Prüfbericht-Nr.: *Test report no.:*	**CN21WQNQ 001**	**Auftrags-Nr.:** *Order no.:*	168305818	Seite 1 von 45 *Page 1 of 45*
Kunden-Referenz-Nr.: *Client reference no.:*	N/A	**Auftragsdatum:** *Order date:*	2021-01-15	
Auftraggeber: *Client:*	**Edifier International Limited** P.O. Box 6264 General Post Office Hong Kong			
Prüfgegenstand: *Test item:*	Multimedia Speaker			
Bezeichnung / Typ-Nr.: *Identification / Type no.:*	EDF100021 (Trademark: EDIFIER)			
Auftrags-Inhalt: *Order content:*	Test Report			
Prüfgrundlage: *Test specification:*	EN 62479:2010 EN 55032:2015 EN 55035:2017 EN 62368-1:2014+A11:2017		EN 301 489-1 V2.2.3 (2019-11) EN 301 489-17 V3.2.4 (2020-09) EN 300 328 V2.2.2 (2019-07)	
Wareneingangsdatum: *Date of sample receipt:*	2021-01-19			
Prüfmuster-Nr.: *Test sample no.:*	Q21011821-1E			
Prüfzeitraum: *Testing period:*	2021-01-20 – 2021-02-07			
Ort der Prüfung: *Place of testing:*	Dongguan Dongdian Testing Service Co. , Ltd.			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: *Test result*:*	Pass			



geprüft von: *tested by:*	X Signed by: Alex Lan	**genehmigt von:** *authorized by:*	X Signed by: Sam Lin
Datum: *Date:* 2021-02-25		**Ausstellungsdatum:** *Issue date:* 2021-02-25	
Stellung / Position	Senior Project Engineer	**Stellung** / Position	Department Manager

Sonstiges / *Other:* This report is for Article 3.2 Radio Spectrum, Article 3.1b EMC and Article 3.1a Health requirements only.
Refer to TÜV Rheinland report 60368277 002 for details of Article 3.1a Electrical Safety requirements.

Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery:* Prüfmuster vollständig und unbeschädigt *Test item complete and undamaged:*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhalt
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	*1 = very good*	*2 = good*	*3 = satisfactory*	*4 = sufficient*	*5 = poor*
	P(ass) = passed a.m. test specifications(s)		*F(ail) = failed a.m. test specifications(s)*	*N/A = not applicable*	*N/T = not tested*

Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.

This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.

V05

Test Summary

5.1.1 RF OUTPUT POWER
RESULT: *Pass*

5.1.2 DUTY CYCLE, TX-SEQUENCE, TX-GAP
RESULT: *Not applicable*

5.1.3 ACCUMULATED TRANSMIT TIME, FREQUENCY OCCUPATION AND HOPPING SEQUENCE
RESULT: *Pass*

5.1.4 HOPPING FREQUENCY SEPARATION
RESULT: *Pass*

5.1.5 MEDIUM UTILISATION (MU) FACTOR
RESULT: *Not applicable*

5.1.6 ADAPTIVITY
RESULT: *Not applicable*

5.1.7 OCCUPIED CHANNEL BANDWIDTH
RESULT: *Pass*

5.1.8 TRANSMITTER UNWANTED EMISSIONS IN THE OUT-OF-BAND DOMAIN
RESULT: *Pass*

5.1.9 TRANSMITTER UNWANTED EMISSIONS IN THE SPURIOUS DOMAIN
RESULT: *Pass*

5.2.1 RECEIVER SPURIOUS EMISSIONS
RESULT: *Pass*

5.2.2 RECEIVER BLOCKING
RESULT: *Pass*

5.2.3 GEO-LOCATION CAPABILITY
RESULT: *Not applicable*

5.3.1 HARMONICS CURRENT EMISSION ON AC MAINS PORT
RESULT: *Pass*

5.3.2 VOLTAGE FLUCTUATIONS AND FLICKER ON AC MAINS
RESULT: *Pass*

5.3.3 CONDUCTED EMISSIONS
RESULT: *Pass*

5.3.4 RADIATED EMISSIONS
RESULT: *Pass*

5.3.5 ELECTROSTATIC DISCHARGES (ESD)
RESULT: *Pass*

5.3.6 RADIO FREQUENCY ELECTROMAGNETIC FIELD (RS)
RESULT: *Pass*

5.3.8 FAST TRANSIENTS (EFT)
RESULT: *Pass*

5.3.9 SURGE
RESULT: *Pass*

5.3.10 RADIO-FREQUENCY CONTINUOUS CONDUCTED (CS)
RESULT: *Pass*

5.3.11 VOLTAGE DIPS AND INTERRUPTIONS
RESULT: *Pass*

6.1.1 ELECTROMAGNETIC FIELDS

RESULT: *Pass*

Contents

1 GENERAL REMARKS 6
1.1 COMPLEMENTARY MATERIALS 6
2 TEST SITES 6
2.1 TEST FACILITIES 6
2.2 LIST OF TEST AND MEASUREMENT INSTRUMENTS 7
2.3 UNCERTAINTY OF MEASUREMENT 9
3 GENERAL PRODUCT INFORMATION 10
3.1 PRODUCT FUNCTION AND INTENDED USE 10
3.2 RATINGS AND SYSTEM DETAILS 10
3.3 INDEPENDENT OPERATION MODES 12
3.4 NOISE GENERATING AND NOISE SUPPRESSING PARTS 12
3.5 SUBMITTED DOCUMENTS 12
4 TEST SET-UP AND OPERATION MODES 13
4.1 PRINCIPLE OF CONFIGURATION SELECTION 13
4.2 TEST OPERATION AND TEST SOFTWARE 13
4.3 SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT 13
4.4 COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE 14
5 TEST RESULTS ERM 15
5.1 TRANSMITTER REQUIREMENT & TEST SUITES 15
5.1.1 RF Output Power 15
5.1.2 Duty Cycle, TX-sequence, TX-gap 16
5.1.3 Accumulated Transmit Time, Frequency Occupation and Hopping Sequence 17
5.1.4 Hopping Frequency Separation 18
5.1.5 Medium Utilisation (MU) Factor 19
5.1.6 Adaptivity 20
5.1.7 Occupied Channel Bandwidth 21
5.1.8 Transmitter Unwanted Emissions in the Out-of-band Domain 22
5.1.9 Transmitter Unwanted Emissions in the Spurious Domain 23
5.2 RECEIVER REQUIREMENT & TEST SUITES 24
5.2.1 Receiver Spurious Emissions 24
5.2.2 Receiver Blocking 25
5.2.3 Geo-location Capability 26
5.3 TEST RESULTS OF EMC REQUIREMENT 27
5.3.1 Harmonics Current Emission on AC Mains port 27
5.3.2 Voltage Fluctuations and Flicker on AC Mains 27
5.3.3 Conducted Emissions 28
5.3.4 Radiated Emissions 29
5.3.5 Electrostatic Discharges (ESD) 30
5.3.6 Radio Frequency Electromagnetic Field (RS) 31
5.3.8 Fast Transients (EFT) 33
5.3.9 Surge 34
5.3.10 Radio-Frequency Continuous Conducted (CS) 35
5.3.11 Voltage Dips and Interruptions 36

6 SAFETY HUMAN EXPOSURE 37

6.1 HUMAN EXPOSURE TO ELECTROMAGNETIC FIELDS 10MHZ-300GHZ 37

6.1.1 Electromagnetic Fields 37

7 PHOTOGRAPHS OF THE TEST SET-UP 38

8 LIST OF TABLES 45

9 LIST OF PHOTOGRAPHS 45

1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Test Results.

2 Test Sites

2.1 Test Facilities

Dongguan Dongdian Testing Service Co. , Ltd.
No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City 523808, Guangdong Province, China

CNAS No.: L6451

The tests at the test sites have been conducted under the supervision of a TÜV engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
RF Connected Test (Tonscend RF Measurement System 2#)					
Spectrum analyzer	R&S	FSU26	200071	Sep. 25, 2020	1 Year
Spectrum analyzer	Agilent	N9020D	MY49100362	Sep. 28, 2020	1 Year
Wideband Radio Communication tester	R&S	CMW500	117491	Jul. 01, 2020	1 Year
Vector Signal Generator	Agilent	N5182A	MY19060405	Jul. 01, 2020	1 Year
Vector Signal Generator	Agilent	N5182A	MY48180912	Jul. 01, 2020	1 Year
RF Control Unit	Tonsend	JS0806-2	DDT-ZC01449	Jul. 01, 2020	1 Year
DC Power Source	MATRIS	MPS-3005L-3	D813058W	Apr. 25, 2020	1 Year
RF Cable	Micable	C10-01-01-1	100309	Sep. 28, 2020	1 Year
Temp&Humi Programmable	ZHIXIANG	ZXGDJS-150L	ZX170110-A	Jul. 01, 2020	1 Year
Test Software	JS Tonscend	JS1120-3	Ver.2.7	N/A	N/A
Radiation 2#chamber					
EMI Test Receiver	R&S	ESCI	101364	Sep. 28, 2020	1 Year
Spectrum analyzer	Agilent	E4447A	MY50180031	Jul. 01, 2020	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	9163-994	Nov. 13, 2020	1 Year
Active Loop antenna	Schwarzbeck	FMZB-1519	1519-038	Nov. 18, 2020	1 Year
Double Ridged Horn Antenna	Schwarzbeck	BBHA9120	02108	Jul. 11, 2020	1 Year
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	790	Apr. 11, 2020	1 Year
Pre-amplifier	TERA-MW	TRLA-0040G35	1013 03	Sep. 28, 2020	1 Year
RF Cable	N/A	14+1.5m	06270619	Sep. 28, 2020	1 Year
Test software	Audix	E3	V 6.11111b	N/A	N/A
Conducted emissions at AC mains power ports					
Test Receiver	R&S	ESCI	101028	Oct. 15, 2020	1 Year
LISN 1	R&S	ENV216	101170	Sep. 28, 2020	1 Year
LISN 2	R&S	ESH2-Z5	100309	Sep. 28, 2020	1 Year
Pulse Limiter	R&S	KH43101	431011801568-12#	Jul. 01, 2020	1 Year
CE Cable 2	HUBSER	N/A	W11.02	Sep. 24, 2020	1 Year
Test software	Audix	E3	V 6.11111b	N/A	N/A

Radiated emissions test					
EMI Test Receiver	R&S	ESCI	101028	Oct. 15, 2020	1 Year
Spectrum analyzer	Agilent	E4447A	MY50180031	Jul. 01, 2020	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	9163-994	Sep. 19, 2020	1 Year
Double Ridged Horn Antenna	Schwarzbeck	BBHA9120	02108	Jul. 11, 2020	1 Year
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	790	Apr. 11, 2020	1 Year
Pre-amplifier	TERA-MW	TRLA-0040G35	101303	Sep. 28, 2020	1 Year
RF Cable	N/A	14+1.5m	06270619	Sep. 28, 2020	1 Year
Test software	Audix	E3	V 6.11111b	N/A	N/A
RF Cable	MI Cable	N/A	DDT-F02-233	Sep. 28, 2020	1 Year
RF Cable	MI Cable	N/A	DDT-F02-234	Sep. 28, 2020	1 Year
RF Cable	MI Cable	N/A	DDT-F02-235	Sep. 28, 2020	1 Year
Harmonic and Flicker					
Harmonics and Voltage fluctuation and flicker tester	EMC-PARTNER	HAR1000-1P	HAP1000-1P230V-0205	Aug. 06,2020	1Year
Test Software	EMC-PARTNER	Harmonics-1000	4.19	N/A	N/A
Electrostatic discharge (ESD)					
ESD Generator	TESEQ	NSG438	1127	Jul.15,2020	1Year
Radio Frequency Electromagnetic Field (RS)					
Signal Generator	Agilent	N5172B	MY53050018	Sep. 24, 2020	1 Year
Amplifier	Wonder	HPA80M1000M500	101	Jul. 10, 2020	1 Year
Amplifier	Wonder	HPA1000M2500M300	102	Jul. 10, 2020	1 Year
Amplifier	Wonder	HPA2500M6000M200	103	Jul. 10, 2020	1 Year
Powermeter	Agilent	E4417A	MY45100568	Sep. 24, 2020	1 Year
Powersensor	Agilent	E9323	MY44420907	Sep. 24, 2020	1 Year
Powersensor	Agilent	E9323	US40410405	Sep. 24, 2020	1 Year
Log-periodic antenna	Schwarzbeck	STLP 9149	587	N/A	N/A
Log-periodic antenna	Schwarzbeck	STLP 9128D special	090	N/A	N/A
Field strength probe	PMM	EP-601	611WX80209	Oct. 21, 2020	1 Year
Electrical fast transients (EFT)					
EFT Generator	EMC PARTNER	TRA3000F	TRA3000F-1502	Jul. 01, 2020	1Year
Capacitive coupling clamp	EMC PARTNER	103648	CN-EFT1000-1514	Jul. 01, 2020	1 Year
Surge					
Surge Generator	EMC PARTNER	TRANSIENT 2000	MIG0603IN2S-T-1504	Jul. 01, 2020	1 Year
Coupling/Decoupling Network for	EMC PARTNER	CDN-UTP8ED3	1557	Oct. 15, 2020	1 Year

communication port					
Coupling/Decoupling Network for signal port	EMC PARTNER	CDN-KIT1000	CDN-KIT1000-1510	Jul. 01, 2020	1 Year
Conducted Disturbances by Radio Frequency Fields(CS)					
Conducted immunity test system	FRANKONIA	CIT-10/75	126B1207	Jul. 01, 2020	1Year
CDN	SCHWARZBECK	CDN M2+M3PE 16A	ZC01558	Sep. 28, 2020	1Year
Attenuation	BIRD	DAM75W (6dB)	1143	Oct. 15, 2020	1Year
EM Clamp	FRANKONIA	EMCL	132A1143/2012	Oct. 15, 2020	1Year
CDN	FRANKONIA	CDNT8	A6100017/2012	Dec. 09, 2020	1Year
Test Software	SKET	EMC-S	V1.2.0.80	N/A	N/A
Voltage Dips & Interruptions					
EFT Generator	EMC PARTNER	TRA3000F	TRA3000F-1502	Jul. 01, 2020	1Year
DIPS TESTER	EMC PARTNER	EXT-TRA3000D	EXT-TRA3000D-1510	Jul. 01, 2020	1Year

2.3 Uncertainty of Measurement

The value of the measurement uncertainty of each parameter is listed as below:

Table 2: Maximum Measurement Uncertainty

Parameter	Uncertainty
Occupied Channel Bandwidth	±5.0 %
RF Output Power, Conducted	±1.5 dB
Power Spectral Density, Conducted	±3.0 dB
Unwanted Emission, Conducted	±3.0 dB
All Emissions, Radiated	±6.0 dB
Temperature	±1.0 °C
Supply voltages	±3.0 %
Time	±5.0 %

3 General Product Information

3.1 Product Function and Intended Use

The EUT is a Multimedia Speaker and it supports Bluetooth function used for audio entertainment in house or similar environment. It operates at 2.4GHz ISM frequency band.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment	Multimedia Speaker
Type Designation	EDF100021
Trade Mark	EDIFIER
Operating Voltage	AC 100-240V, 50/60 Hz, 400mA
Technical Specification of Bluetooth (BDR & EDR)	
Operating Frequency band	2402 – 2480 MHz
Bluetooth Core Version	5.1
Channel Number	79 channels
Channel separation	1MHz
Extreme Temperature Range	-20ºC to +45ºC
Modulation	GFSK, π/4DQPSK, 8DPSK
Antenna Type	Integral Antenna
Antenna Gain	2.5 dBi

Table 4: RF Channel and Frequency of Bluetooth (BDR & EDR)

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	**2402.00**	20	2422.00	40	2442.00	60	2462.00
1	2403.00	21	2423.00	41	2443.00	61	2463.00
2	2404.00	22	2424.00	42	2444.00	62	2464.00
3	2405.00	23	2425.00	43	2445.00	63	2465.00
4	2406.00	24	2426.00	44	2446.00	64	2466.00
5	2407.00	25	2427.00	45	2447.00	65	2467.00
6	2408.00	26	2428.00	46	2448.00	66	2468.00
7	2409.00	27	2429.00	47	2449.00	67	2469.00
8	2410.00	28	2430.00	48	2450.00	68	2470.00
9	2411.00	29	2431.00	49	2451.00	69	2471.00
10	2412.00	30	2432.00	50	2452.00	70	2472.00
11	2413.00	31	2433.00	51	2453.00	71	2473.00
12	2414.00	32	2434.00	52	2454.00	72	2474.00
13	2415.00	33	2435.00	53	2455.00	73	2475.00
14	2416.00	34	2436.00	54	2456.00	74	2476.00
15	2417.00	35	2437.00	55	2457.00	75	2477.00
16	2418.00	36	2438.00	56	2458.00	76	2478.00
17	2419.00	37	2439.00	57	2459.00	77	2479.00
18	2420.00	38	2440.00	58	2460.00	**78**	**2480.00**
19	2421.00	**39**	**2441.00**	59	2461.00		

3.3 Independent Operation Modes

The basic operation modes are:

A. On, Bluetooth mode (BDR & EDR)
   1. Transmitting mode
      a. Low channel
      b. Middle channel
      c. High channel
   2. Receiving mode
      a. Low channel
      d. Middle channel
      b. High channel

B. On, Bluetooth playing
C. On, Line in 1
D. On, Line in 2
E. On, Optical in
F. Off

3.4 Noise Generating and Noise Suppressing Parts

For details refer to the Circuit Diagram.

3.5 Submitted Documents

- Block Diagram
- Schematics
- Rating Label
- User Manual

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

Immunity: The equipment under test (EUT) was configured to have its highest possible susceptibility against the tested phenomena. The test modes were adapted accordingly in reference to the instructions for use.

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5 and chapter 7.

4.3 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Accessory Equipment used for test					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Audio Analyzer	R&S	UPL16	100167	Jul. 01, 2020	1 Year
Audio Analyzer	R&S	UPV	101570	Sep. 24, 2020	1 Year
MXG Vector Generator	Agilent	N5182A	MY47420276	Sep. 28, 2020	1 Year
EXG Vector Signal Generator	Agilent	N5172B	MY53050018	Sep. 24, 2020	1 Year
Digital Video test software	Keysight	N7623B	Version 8.0.0.1	N/A	N/A
Microphone	Supwerlux	ECM888B	E888B5A0298	N/A	N/A
Artificial Ear	AIHUA	Type0213	2018022701	N/A	N/A
Artificial Ear	AIHUA	Type0212	2017102603	N/A	N/A

Assistant equipment	Manufacturer	Model number	Description
iPhone	Apple Inc.	MG4J2ZP/A	F78NN8QCG5MV
Mobile phone	SAMSUNG	SM-G9600/DS	R28K331TTNF

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

5 Test Results ERM

5.1 Transmitter Requirement & Test Suites

5.1.1 RF Output Power

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.2 of EN 300 328
Limit	:	Clause 4.3.1.2.3 of EN 300 328
Test suites	:	Clause 5.4.2 of EN 300 328

Test Setup

Date of testing	:	21.01.2021
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal and extreme temperature
Operation mode	:	A1
Ambient temperature	:	23.8 ℃
Relative humidity	:	46 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A.

5.1.2 Duty Cycle, TX-sequence, TX-gap

RESULT: **Not applicable**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.3 of EN 300 328
Limit	:	Clause 4.3.1.3.3 of EN 300 328
Test suites	:	Clause 5.4.2 of EN 300 328

Exemption Conditions:

☒ These requirements do not apply for equipment with a maximum declared RF Output power of less than 10 dBm e.i.r.p. or for equipment when operating in a mode where the RF Output power is less than 10 dBm e.i.r.p.

Conclusion:

The maximum declared RF output power is less than 10dBm e.i.r.p., hence this requirement is not applicable.

5.1.3 Accumulated Transmit Time, Frequency Occupation and Hopping Sequence

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.4 of EN 300 328
Limit	:	Clause 4.3.1.4.3 of EN 300 328
Test suites	:	Clause 5.4.4 of EN 300 328

Test Setup

Date of testing	:	21.01.2021
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A1
Ambient temperature	:	23.8 ℃
Relative humidity	:	46 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A.

5.1.4 Hopping Frequency Separation

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.5 of EN 300 328
Limit	:	Clause 4.3.1.5.3 of EN 300 328
Test suites	:	Clause 5.4.5 of EN 300 328

Test Setup

Date of testing	:	21.01.2021
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A1
Ambient temperature	:	23.8 ℃
Relative humidity	:	46 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A.

5.1.5 Medium Utilisation (MU) Factor

RESULT: **Not applicable**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.6 of EN 300 328
Limit	:	Clause 4.3.1.6.3 of EN 300 328
Test suites	:	Clause 5.4.2 of EN 300 328

Exemption Conditions:

☒ These requirements do not apply for equipment with a maximum declared RF Output power of less than 10 dBm e.i.r.p. or for equipment when operating in a mode where the RF Output power is less than 10 dBm e.i.r.p.

Conclusion:

The maximum declared RF output power is less than 10dBm e.i.r.p., hence this requirement is not applicable.

5.1.6 Adaptivity

RESULT: **Not applicable**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.7.2 of EN 300 328
Limit	:	Clause 4.3.1.7.2.2 of EN 300 328
Test suites	:	Clause 5.4.6 of EN 300 328

Exemption Conditions:

☒ These requirements do not apply for equipment with a maximum declared RF Output power of less than 10 dBm e.i.r.p. or for equipment when operating in a mode where the RF Output power is less than 10 dBm e.i.r.p.

Conclusion:

The maximum declared RF output power is less than 10dBm e.i.r.p., hence this requirement is not applicable.

5.1.7 Occupied Channel Bandwidth

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.8 of EN 300 328
Limit	:	Clause 4.3.1.8.3 of EN 300 328
Test suites	:	Clause 5.4.7 of EN 300 328

Test Setup

Date of testing	:	21.01.2021
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A1
Ambient temperature	:	23.8 ℃
Relative humidity	:	46 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A.

5.1.8 Transmitter Unwanted Emissions in the Out-of-band Domain

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.9 of EN 300 328
Limit	:	Clause 4.3.1.9.3 of EN 300 328
Test suites	:	Clause 5.4.8 of EN 300 328

Test Setup

Date of testing	:	21.01.2021
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A1
Ambient temperature	:	23.8 ℃
Relative humidity	:	46 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A.

5.1.9 Transmitter Unwanted Emissions in the Spurious Domain

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.10 of EN 300 328
Limit	:	Clause 4.3.1.10.3 of EN 300 328
Test suites	:	Clause 5.4.9 of EN 300 328

Test Setup

Date of testing	:	20.01.2021 to 21.01.2021
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A1
Ambient temperature	:	24.5 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	100.1 kPa

For the measurement records, refer to the appendix A.

5.2 Receiver Requirement & Test Suites

5.2.1 Receiver Spurious Emissions

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.11 of EN 300 328
Limit	:	Clause 4.3.1.11.3 of EN 300 328
Test suites	:	Clause 5.4.10 of EN 300 328

Test Setup

Date of testing	:	20.01.2021 to 21.01.2021
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A2
Ambient temperature	:	24.5 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	100.1 kPa

For the measurement records, refer to the appendix A.

5.2.2 Receiver Blocking

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.12 of EN 300 328
Limit	:	Clause 4.3.1.12.4 of EN 300 328
Test suites	:	Clause 5.4.11 of EN 300 328

Test Setup

Date of testing	:	21.01.2021
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A2
Ambient temperature	:	23.8 ℃
Relative humidity	:	46 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A.

5.2.3 Geo-location Capability

RESULT: **Not applicable**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.13 of EN 300 328

Exemption Conditions:

This requirement only applies to equipment with geo-location capability as defined in clause 4.3.1.13.2.

Conclusion:

The EUT is adaptive equipment and does not support geo-location capability, hence this requirement is not applicable.

5.3 Test Results of EMC Requirement

5.3.1 Harmonics Current Emission on AC Mains port

RESULT: **Pass**

Test Specification

Test standard	:	EN 301 489-17 V3.2.4
Basic standard	:	EN 301 489-1 V2.2.3
		EN 61000-3-2: 2014
Test requirement	:	Clause 8.5 of EN 301 489-1 V2.2.3
Measured harmonics	:	2 - 40
Classification	:	Class A
Limit	:	Table 1 of EN 61000-3-2: 2014

The EUT's rated power is less than 75W and do not belong to lighting equipment, therefore harmonic current test is not applicable in accordance with Clause 7 of EN 61000-3-2: 2014.

5.3.2 Voltage Fluctuations and Flicker on AC Mains

RESULT: **Pass**

Test Specification

Test standard	:	EN 301 489-17 V3.2.4
Basic standard	:	EN 301 489-1 V2.2.3
		EN 61000-3-3: 2013
Test requirement	:	Clause 8.6 of EN 301 489-1 V2.2.3
Frequency range	:	0 – 2 kHz
Limit	:	Clause 5 of EN 61000-3-3: 2013

Test Setup

Date of testing	:	26.01.2021
Test voltage	:	AC 230V, 50Hz
Operation mode	:	B, C, D, E
Test ports	:	AC mains terminals
Earthing	:	Not connected
Test configuration	:	Table-top
Ambient temperature	:	22.5 ℃
Relative humidity	:	52.8 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A.

5.3.3 Conducted Emissions

RESULT: **Pass**

Test Specification

Test standard	:	EN 301 489-1 V2.2.3 EN 301 489-17 V3.2.4 EN 55032: 2015
Frequency range	:	0.15 - 30MHz
Classification	:	Class B
Limit	:	Clause 8.4.3 of EN 301 489-1 V2.2.3 Table A.10 of EN 55032: 2015
Kind of test site	:	Shielded room

Test Setup

Date of testing	:	29.01.2021
Test voltage	:	AC 120V, 60Hz and AC 230V, 50Hz
Operation mode	:	B, C, D, E
Test ports	:	AC mains terminals
Earthing	:	Not connected
Test configuration	:	Table-top
Ambient temperature	:	24.5 ℃
Relative humidity	:	55.5 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A.

5.3.4 Radiated Emissions

RESULT: **Pass**

Test Specification

Test standard	:	EN 301 489-1 V2.2.3 EN 301 489-17 V3.2.4 EN 55032: 2015
Frequency range	:	30 - 6000MHz
Classification	:	Class B
Limit	:	Clause 8.2.3 of EN 301 489-1 V2.2.3 Table A.4 and A.5 of EN 55032: 2015
Kind of test site	:	3m Semi-Anechoic Chamber & 3m Full-Anechoic Chamber
Test ports	:	Enclosure

Test Setup

Date of testing	:	25.01.2021 to 26.01.2021
Test voltage	:	AC 120V, 60Hz and AC 230V, 50Hz
Operation mode	:	B, C, D, E
Earthing	:	Not connected
Test configuration	:	Table-top
Ambient temperature	:	Refer to test data
Relative humidity	:	Refer to test data
Atmospheric pressure	:	Refer to test data

For the measurement records, refer to the appendix A.

5.3.5 Electrostatic Discharges (ESD)

RESULT: **Pass**

Test Specification

Test standard	:	EN 301 489-1 V2.2.3 EN 301 489-17 V3.2.4 EN 55035:2017
Basic standard	:	EN 61000-4-2:2009
Test Requirement	:	Clause 9.3.1 of EN 301 489-1 V2.2.3 Table 1 of EN 55035:2017
Test level	:	Contact discharge: ± 2.0kV, ± 4.0kV Air discharge: ± 2.0kV, ± 4.0kV, ± 8.0kV
Position	:	All exposed surfaces
Criterion	:	Clause 6.4 of EN 301 489-17 V3.2.4 Clause 8 and Annex G of EN 55035:2017

Test Setup

Date of testing	:	07.02.2021
Test voltage	:	AC 230V, 50Hz
Operation mode	:	B, C, D, E
Earthing	:	Not connected
Test configuration	:	Table-top
Ambient temperature	:	22.3 ℃
Relative humidity	:	46.5 %
Atmospheric pressure	:	101 kPa

Table 6: Test result of Electrostatic Discharges (ESD)

Operation mode	Test Voltage	Location	Result
B, C, D, E	± 2.0kV, ± 4.0kV / Contact	HCP	A*
		VCP	A*
		Conducted Enclosure	B**
	± 2.0kV, ± 4.0kV, ± 8.0kV / Air	Non-conducted Enclosure	A*
		Button	A*
		Slot	B**

*Remark: No degradation was observed during and after the tests.
**Remark Temporary loss of function or degradation of performance which ceases after the disturbance ceases, and from which the equipment under test recovers its normal performance, without operator intervention; During the test with optical mode, when contact Electrostatic Discharges ±4kV is applied to the line in interface and air contact Electrostatic Discharges ±8kV is applied on the screw and output interface, , the EUT will play noises, and it will work normally after the test is completed.

5.3.6 Radio Frequency Electromagnetic Field (RS)

RESULT: **Pass**

Test Specification

Test standard	:	EN 301 489-1 V2.2.3 EN 301 489-17 V3.2.4 EN 55035:2017
Basic standard	:	EN 61000-4-3:2006+A1+A2
Test Requirement	:	Clause 9.2.1 of EN 301 489-1 V2.2.3 Table 1 of EN 55035:2017
Test level	:	3V/m, (unmodulated, rms)
Modulation	:	80% AM by a sinusoidal signal of 1kHz
Frequency range	:	80MHz -6GHz
Criterion	:	Clause 6.3 of EN 301 489-17 V3.2.4 Clause 8 and Annex G of EN 55035:2017

Test Setup

Date of testing	:	07.02.2021
Test voltage	:	AC 230V, 50Hz
Operation mode	:	B, C, D, E
Earthing	:	Not connected
Test configuration	:	Table-top
Ambient temperature	:	23.1 ℃
Relative humidity	:	48.6 %
Atmospheric pressure	:	101.4 kPa

Table 7: Test result of Radio Frequency Electromagnetic Field (RS), for swept test

Test Frequency Band	Test port	Polarity	Location	Result
80MHz – 1000MHz	Enclosure	Vertical / Horizontal	Front	A*
			Rear	A*
			Left	A*
			Right	A*
Test Frequency Band	Test port	Polarity	Location	Result
1000MHz – 6000MHz	Enclosure	Vertical / Horizontal	Front	A*
			Rear	A*
			Left	A*
			Right	A*

Table 8: Test result of Radio Frequency Electromagnetic Field (RS), for spot test

Test Frequency	Test port	Polarity	Location	Result
1800MHz 2600MHz 3500MHz 5000MHz	Enclosure	Vertical / Horizontal	Front	A*
			Rear	A*
			Left	A*
			Right	A*

*Remark: No degradation was observed during and after the tests.

5.3.8 Fast Transients (EFT)

RESULT: **Pass**

Test Specification

Test standard	:	EN 301 489-1 V2.2.3 EN 301 489-17 V3.2.4 EN 55035: 2017
Basic standard	:	EN 61000-4-4: 2004
Test Requirement	:	Clause 9.4.1 of EN 301 489-1 V2.2.3 Table 4 of EN 55035:2017
Test level	:	±1kV
Test duration	:	≥60sec
Rise time	:	5/50ns
Repetition frequency	:	5kHz
Criterion	:	Clause 6.4 of EN 301 489-17 V3.2.4 Clause 8 and Annex G of EN 55035:2017

Test Setup

Date of testing	:	07.02.2021
Test voltage	:	AC 230V, 50Hz
Operation mode	:	B, C, D, E
Earthing	:	Not connected
Test configuration	:	Table-top
Ambient temperature	:	25.1℃
Relative humidity	:	49.3 %
Atmospheric pressure	:	101.4 kPa

Table 9: Test result of Electrical Fast Transients (EFT)

Test Mode	Coupling Method	Coupling Port	Test Level	Actual Performance
B, C, D, E	Direct Injection	Live + Neutral	±1kV on AC	A*

*Remark: No degradation was observed during and after the tests.

5.3.9 Surge

RESULT: **Pass**

Test Specification

Test standard	:	EN 301 489-1 V2.2.3 EN 301 489-17 V3.2.4 EN 55035: 2017
Basic standard		EN 61000-4-5: 2006
Test Requirement	:	Clause 9.8.1 of EN 301 489-1 V2.2.3 Table 4 of EN 55035:2017
Test level	:	±1kV
Number of surges	:	5 (for each combination of parameters)
Repetition rate	:	Max. 1/min
Criterion	:	Clause 6.4 of EN 301 489-17 V3.2.4 Clause 8 and Annex G of EN 55035:2017

Test Setup

Date of testing	:	07.02.2021
Test voltage	:	AC 230V, 50Hz
Operation mode	:	B, C, D, E
Earthing	:	Not connected
Test configuration	:	Table-top
Ambient temperature	:	25.1 ℃
Relative humidity	:	49.3 %
Atmospheric pressure	:	101.4 kPa

Table 10: Test result of Surge

Test Mode	Coupling Port	Test Level (±kV)	Coupling Phase	Actual Performance
B, C, D, E	AC mains power port	± 1.0 kV line to line	0	A*
			π/2	A*
			π	A*
			3π/2	A*

*Remark: No degradation was observed during and after the tests.

5.3.10 Radio-Frequency Continuous Conducted (CS)

RESULT: **Pass**

Test Specification

Test standard	:	EN 301 489-1 V2.2.3 EN 301 489-17 V3.2.4 EN 55035: 2017
Basic standard		EN 61000-4-6: 2007
Test Requirement	:	Clause 9.5.1 of EN 301 489-1 V2.2.3 Table 4 of EN 55035:2017
Frequency range	:	0.15 - 80 MHz
Source impedance	:	150Ω
Test level	:	For EN 301 489-1: 3V, (unmodulated, r.m.s.) For EN 55035: 3V (150KHz – 10MHz) 3 to 1V (10MHz – 30MHz), 1V (30MHz – 80MHz)
Modulation	:	AM 80%, 1kHz sine-wave
Sweep mode	:	automatic
Sweep rate	:	$<1.5\times10^{-3}$ decade / sec.
Criterion	:	Clause 6.3 of EN 301 489-17 V3.2.4 Clause 8 and Annex G of EN 55035:2017

Test Setup

Date of testing	:	07.02.2021
Test voltage	:	AC 230V, 50Hz
Operation mode	:	B, C, D, E
Earthing	:	Not connected
Test configuration	:	Table-top
Ambient temperature	:	25.1 ℃
Relative humidity	:	49.3 %
Atmospheric pressure	:	101.4 kPa

Table 11: Test result of Injected Currents / Conducted Susceptibility (CS), for EN 301 489-1

Test Frequency Band	Coupling Method	Test Port	Test Level	Actual Performance
150KHz – 80MHz	Direct Injection	AC mains power port	3.0 V	A*

Table 12: Test result of Injected Currents / Conducted Susceptibility (CS), for EN 55035

Test Frequency Band	Coupling Method	Test Port	Test Level	Actual Performance
150KHz – 10MHz	Direct Injection	AC mains power port	3.0 V	A*
10MHz – 30MHz	Direct Injection	AC mains power port	3.0V to 1.0V	A*
30MHz – 80MHz	Direct Injection	AC mains power port	1.0 V	A*

*Remark: No degradation was observed during and after the tests.

5.3.11 Voltage Dips and Interruptions

RESULT: **Pass**

Test Specification

Test standard	:	EN 301 489-1 V2.2.3 EN 301 489-17 V3.2.4 EN 55035: 2017
Basic standard		EN 61000-4-11: 2004
Test Requirement	:	Clause 9.7.1 of EN 301 489-1 V2.2.3 Table 4 of EN 55035:2017
Test level and durations	:	Voltage Dips: 100% reduction for 0.5 period 100% reduction for 1 periods 30% reduction for 25 periods Voltage interruptions: 0% reduction for 250 period
Criterion	:	Clause 6.4 of EN 301 489-17 V3.2.4 Clause 8 and Annex G of EN 55035:2017

Test Setup

Date of testing	:	07.02.2021
Test voltage	:	AC 230V, 50Hz
Operation mode	:	B, C, D, E
Earthing	:	Not connected
Test configuration	:	Table-top
Ambient temperature	:	25.1 ℃
Relative humidity	:	49.3 %
Atmospheric pressure	:	101.4 kPa

Table 13: Test result of Voltage Dips and Interruptions

Test Mode	Coupling Port	Voltage Reduction (%)	Reduction Duration (in Period)	Actual Performance
B	AC mains power port	100%	0.5	A*
		100%	1	A*
		30%	25	A*
		100%	250	C**
Test Mode	**Coupling Port**	**Voltage Reduction (%)**	**Reduction Duration (in Period)**	**Actual Performance**
C, D, E	AC mains power port	100%	0.5	A*
		30%	25	A*
		100%	250	C**

*Remark: No degradation was observed during and after the tests.
**Remark: During the test, the EUT stopped playing. After the test is completed, it needs to be manually restored to normal

6 Safety Human Exposure

6.1 Human Exposure to Electromagnetic Fields 10MHz-300GHz

6.1.1 Electromagnetic Fields

RESULT: **Pass**

Test Specification

Test standard : EN 62479: 2010

The maximum measured peak power of EUT is only 7.60 dBm (5.754mW).

According to EN 62479:2010 clause 4.2, if the average total radiated power emitted by apparatus operating in the frequency range 10MHz-300GHz is less than or equal to 13.01dBm(20mW), then the apparatus is deemed to comply with the basic restrictions without testing.

7 Photographs of the Test Set-Up

Photograph 1: Set-up for Radio Spectrum Testing, Normal and Extreme Condition



Photograph 2: Set-up for Transmitter & Receiver Spurious Emissions, below 1GHz



Photograph 3: Set-up for Transmitter & Receiver Spurious Emissions, above 1GHz



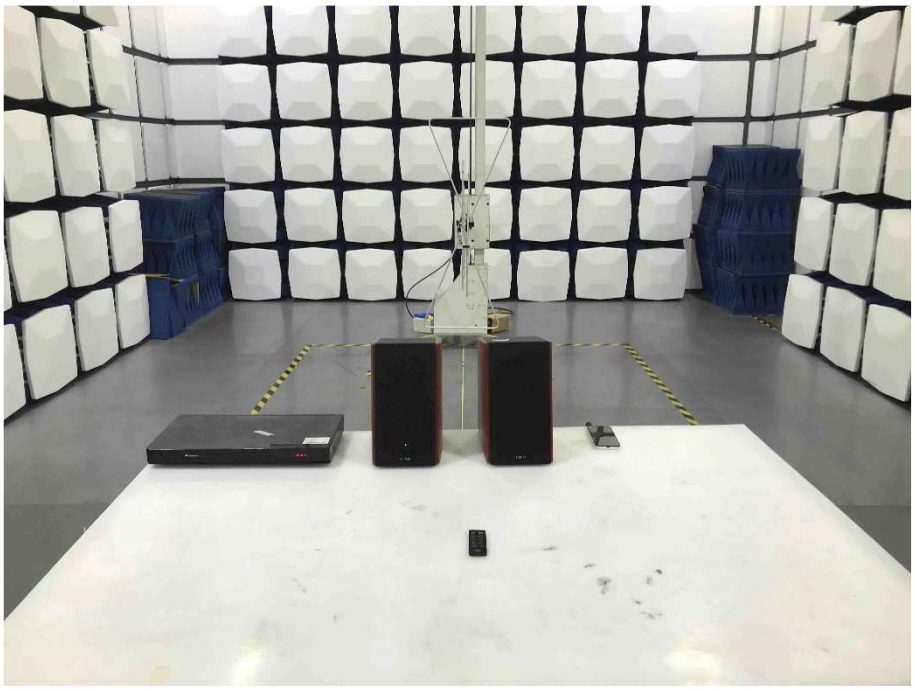
Photograph 4: Set-up for Conducted Emission on AC Mains



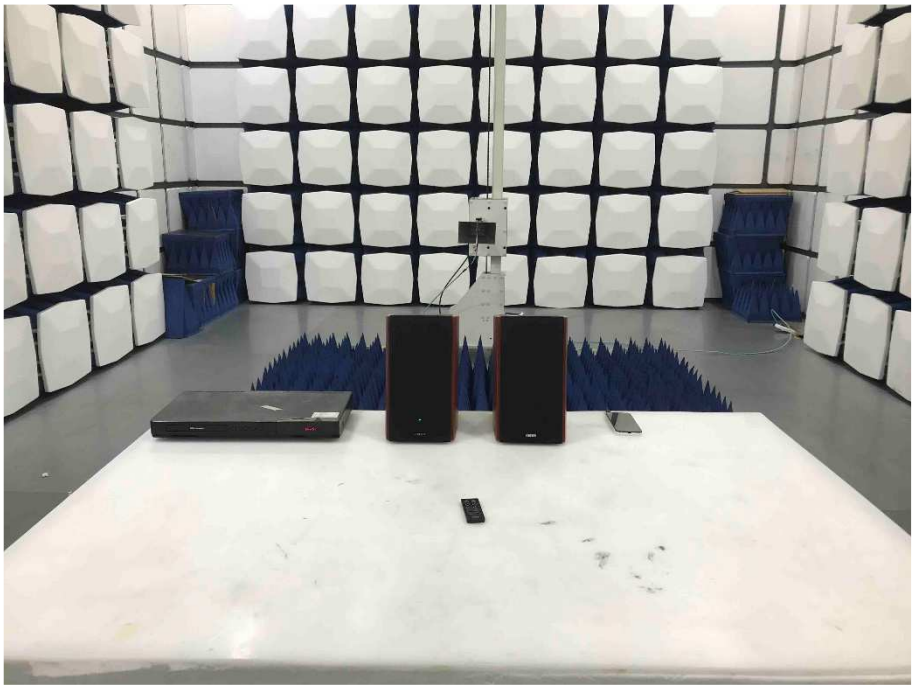
Photograph 5: Set-up for Flicker



Photograph 6: Set-up for Radiated Emission, Below 1GHz



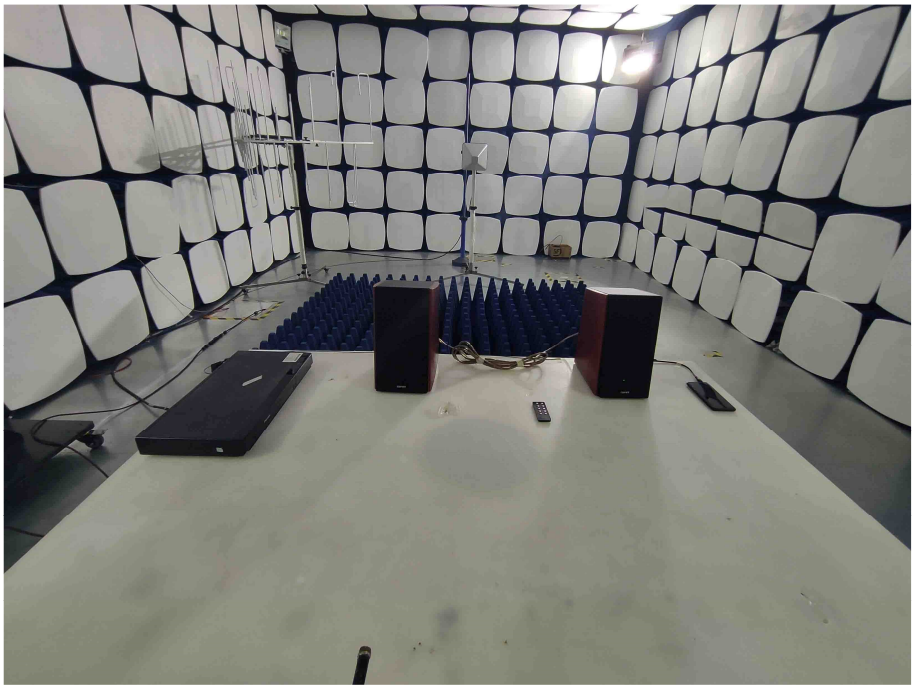
Photograph 7: Set-up for Radiated Emission, Above 1GHz



Photograph 8: Set-up for Radio Frequency Electromagnetic Fields (RS, 80MHz-1GHz)



Photograph 9: Set-up for Radio Frequency Electromagnetic Fields (RS, 1GHz-6GHz)



Photograph 10: Setup for Electrostatic Discharges (ESD)



Photograph 11: Setup for Radio-frequency continuous conducted (CS)



Photograph 12: Setup for Surge



Photograph 13: Setup for Fast Transients (EFT), Voltage dips and interruptions



8 List of Tables

Table 1: List of Test and Measurement Equipment 7
Table 2: Maximum Measurement Uncertainty 9
Table 3: Technical Specification of EUT 10
Table 4: RF Channel and Frequency of Bluetooth (BDR & EDR) 11
Table 5: List of Accessories and Auxiliary Equipment 13
Table 6: Test result of Electrostatic Discharges (ESD) 30
Table 7: Test result of Radio Frequency Electromagnetic Field (RS), for swept test 32
Table 8: Test result of Radio Frequency Electromagnetic Field (RS), for spot test 32
Table 9: Test result of Electrical Fast Transients (EFT) 33
Table 10: Test result of Surge 34
Table 11: Test result of Injected Currents / Conducted Susceptibility (CS), for EN 301 489-1 .. 35
Table 12: Test result of Injected Currents / Conducted Susceptibility (CS), for EN 55035 35
Table 13: Test result of Voltage Dips and Interruptions 36

9 List of Photographs

Photograph 1: Set-up for Radio Spectrum Testing, Normal and Extreme Condition 38
Photograph 2: Set-up for Transmitter & Receiver Spurious Emissions, below 1GHz 38
Photograph 3: Set-up for Transmitter & Receiver Spurious Emissions, above 1GHz 39
Photograph 4: Set-up for Conducted Emission on AC Mains 39
Photograph 5: Set-up for Flicker 40
Photograph 6: Set-up for Radiated Emission, Below 1GHz 40
Photograph 7: Set-up for Radiated Emission, Above 1GHz 41
Photograph 8: Set-up for Radio Frequency Electromagnetic Fields (RS, 80MHz-1GHz) 41
Photograph 9: Set-up for Radio Frequency Electromagnetic Fields (RS, 1GHz-6GHz) 42
Photograph 10: Setup for Electrostatic Discharges (ESD) 42
Photograph 11: Setup for Radio-frequency continuous conducted (CS) 43
Photograph 12: Setup for Surge 43
Photograph 13: Setup for Fast Transients (EFT), Voltage dips and interruptions 44

Appendix A

Test Results

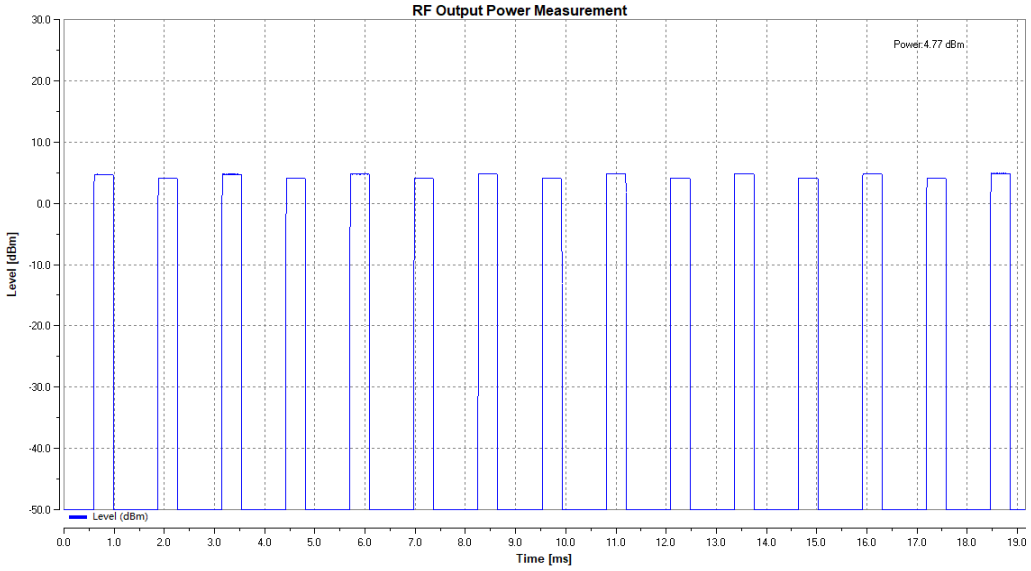
1 APPENDIX A.1 : RF OUTPUT POWER 2
2 APPENDIX A.2 : ACCUMULATED TRANSMIT TIME 9
3 APPENDIX A.3 : FREQUENCY OCCUPATION 12
4 APPENDIX A.4 : HOPPING SEQUENCE 18
5 APPENDIX A.5: HOPPING FREQUENCY SEPARATION 19
6 APPENDIX A.6: OCCUPIED CHANNEL BANDWIDTH 21
7 APPENDIX A.7: RECEIVER BLOCKING 28
8 APPENDIX A.8 : TX UNWANTED EMISSIONS IN THE OUT-OF-BAND DOMAIN 30
9 APPENDIX A.9: TEST PLOTS OF TRANSMITTER UNWANTED EMISSION IN THE SPURIOUS DOMAIN 34
10 APPENDIX A.10: TEST PLOTS OF RECEIVER SPURIOUS EMISSION 42
11 APPENDIX A.11: TEST PLOTS OF FLICKER 50
12 APPENDIX A.12: TEST PLOTS OF CONDUCTED EMISSION 58
13 APPENDIX A.13 : RADIATED EMISSIONS 74

1 Appendix A.1 : RF output power

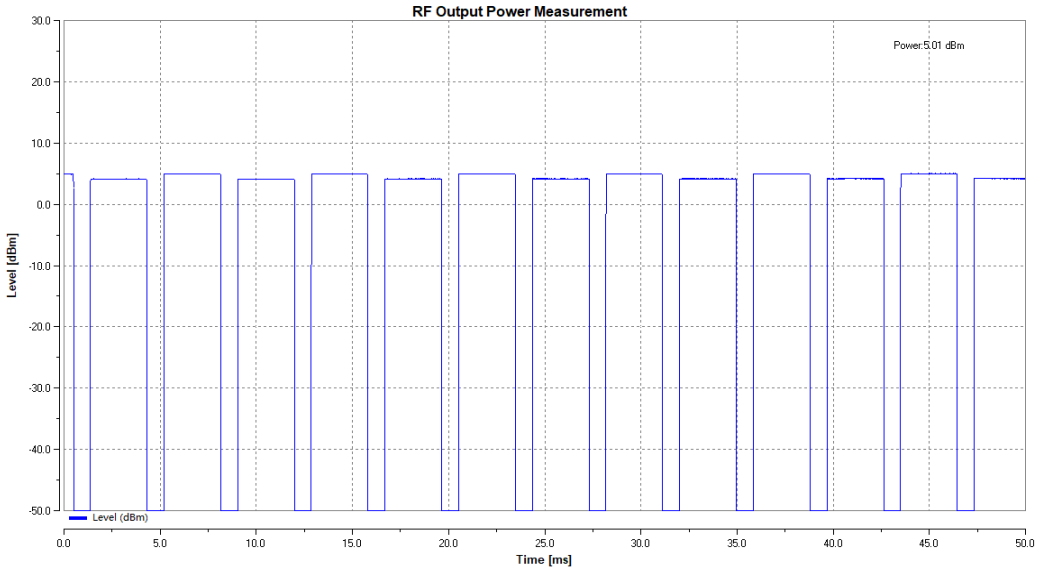
The RF output power is the mean equivalent isotropically radiated power (EIRP) during a transmission burst. Only the worst case for all test modes reported.

Test Condition	TestMode	Antenna	Channel	EIRP[dBm]	Limit[dBm]	Verdict
NTNV	DH1	Ant1	Hop	7.27	20	PASS
	DH5	Ant1	Hop	7.51	20	PASS
	2DH1	Ant1	Hop	7.39	20	PASS
	2DH5	Ant1	Hop	7.37	20	PASS
	3DH1	Ant1	Hop	7.27	20	PASS
	3DH5	Ant1	Hop	7.21	20	PASS
LTNV	DH1	Ant1	Hop	7.30	20	PASS
	DH5	Ant1	Hop	7.60	20	PASS
	2DH1	Ant1	Hop	7.23	20	PASS
	2DH5	Ant1	Hop	7.34	20	PASS
	3DH1	Ant1	Hop	7.49	20	PASS
	3DH5	Ant1	Hop	7.39	20	PASS
HTNV	DH1	Ant1	Hop	7.51	20	PASS
	DH5	Ant1	Hop	7.56	20	PASS
	2DH1	Ant1	Hop	7.31	20	PASS
	2DH5	Ant1	Hop	7.38	20	PASS
	3DH1	Ant1	Hop	7.24	20	PASS
	3DH5	Ant1	Hop	7.44	20	PASS

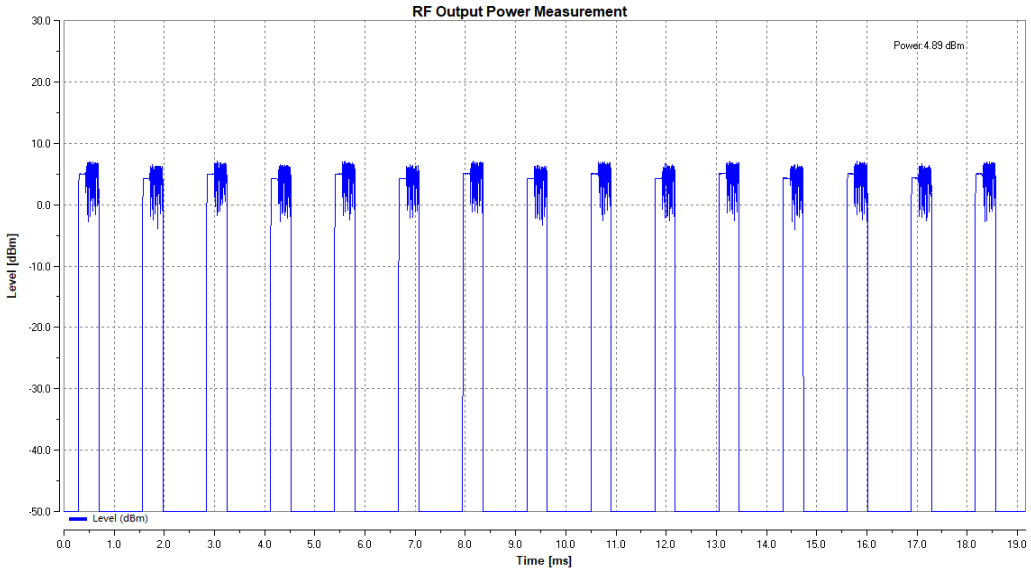
NTNV_DH1_Ant1_Hop



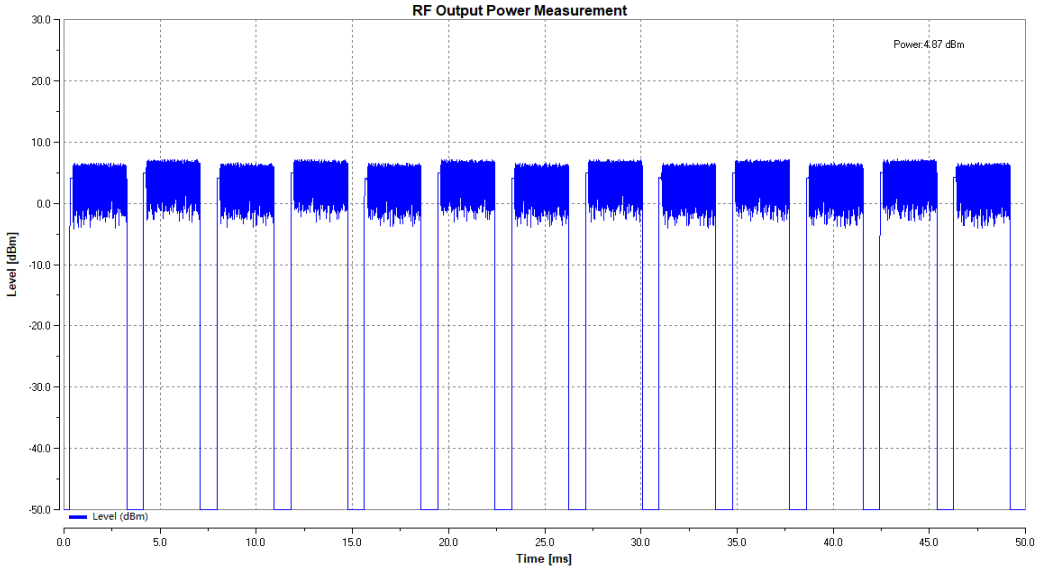
NTNV_DH5_Ant1_Hop



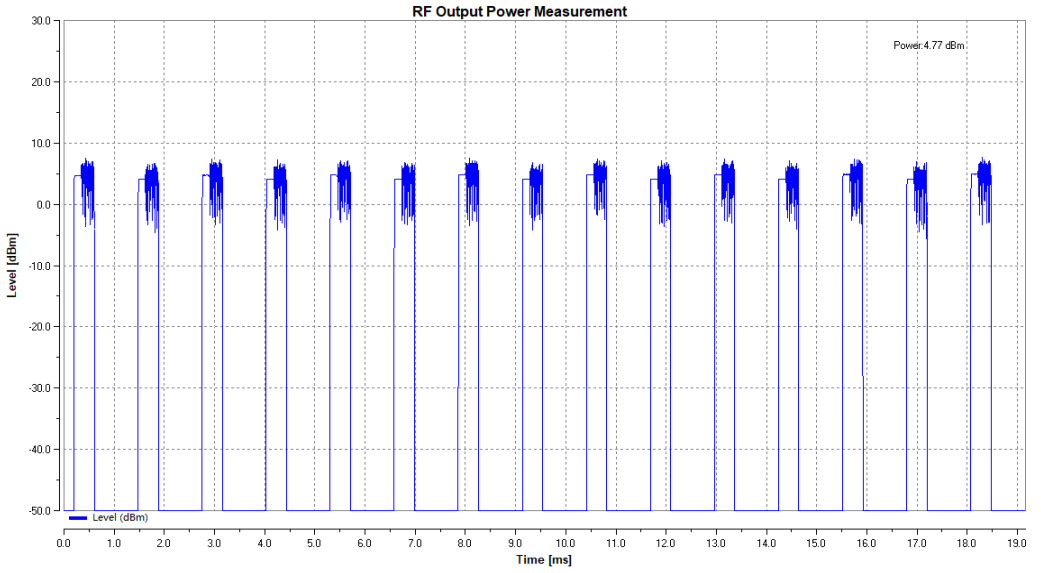
NTNV_2DH1_Ant1_Hop



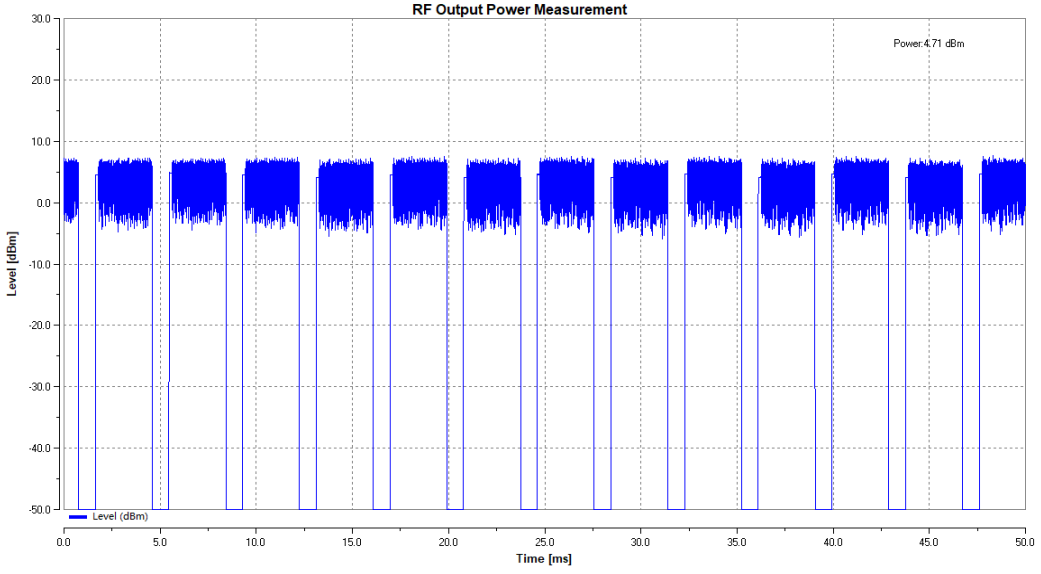
NTNV_2DH5_Ant1_Hop



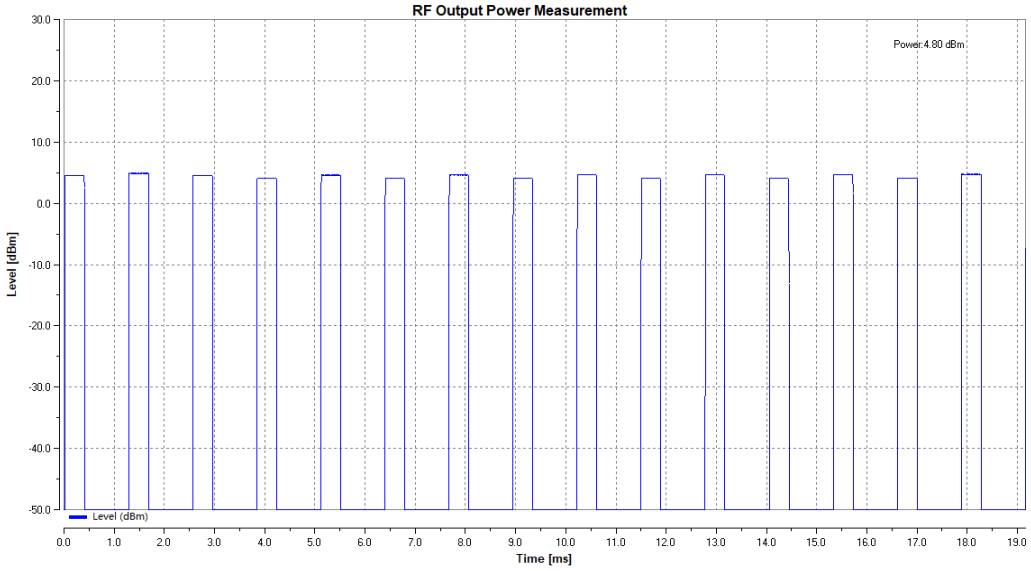
NTNV_3DH1_Ant1_Hop



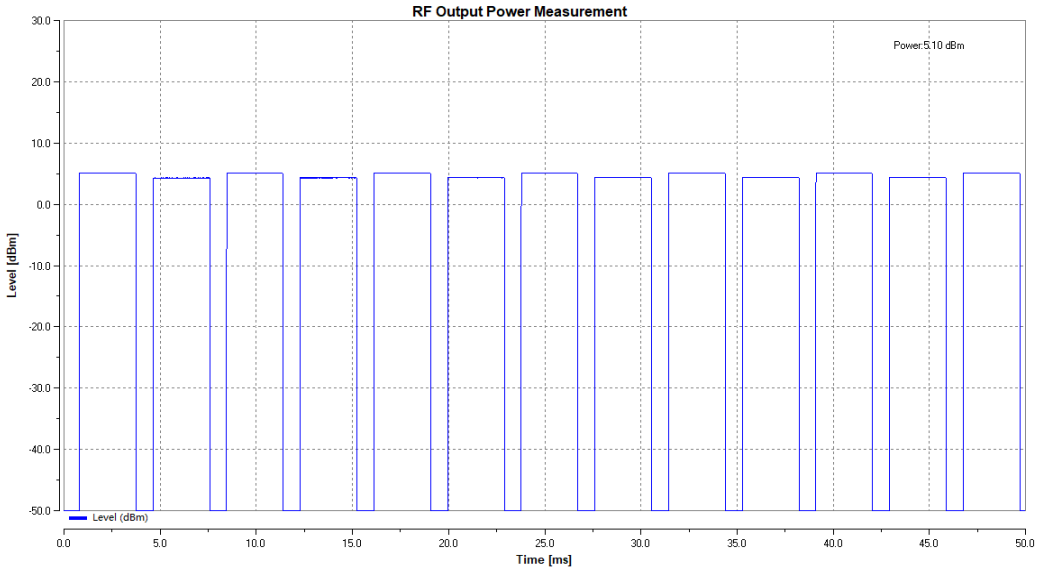
NTNV_3DH5_Ant1_Hop



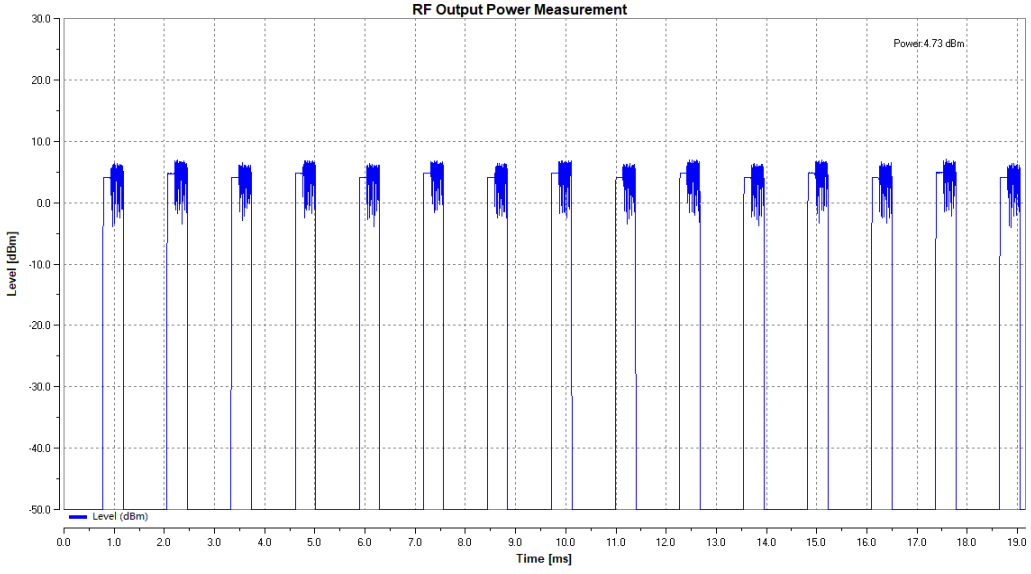
LTNV_DH1_Ant1_Hop



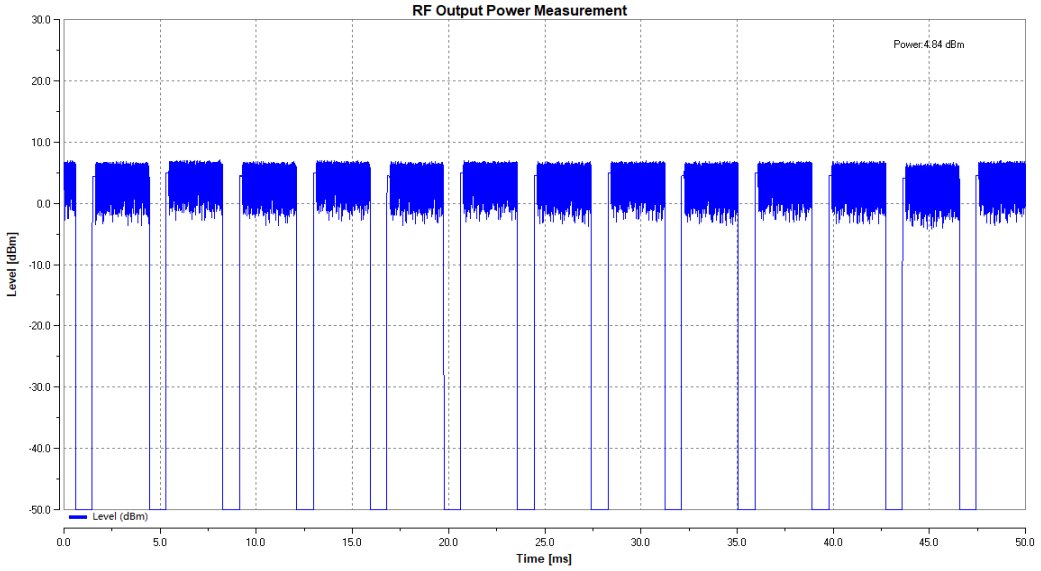
LTNV_DH5_Ant1_Hop



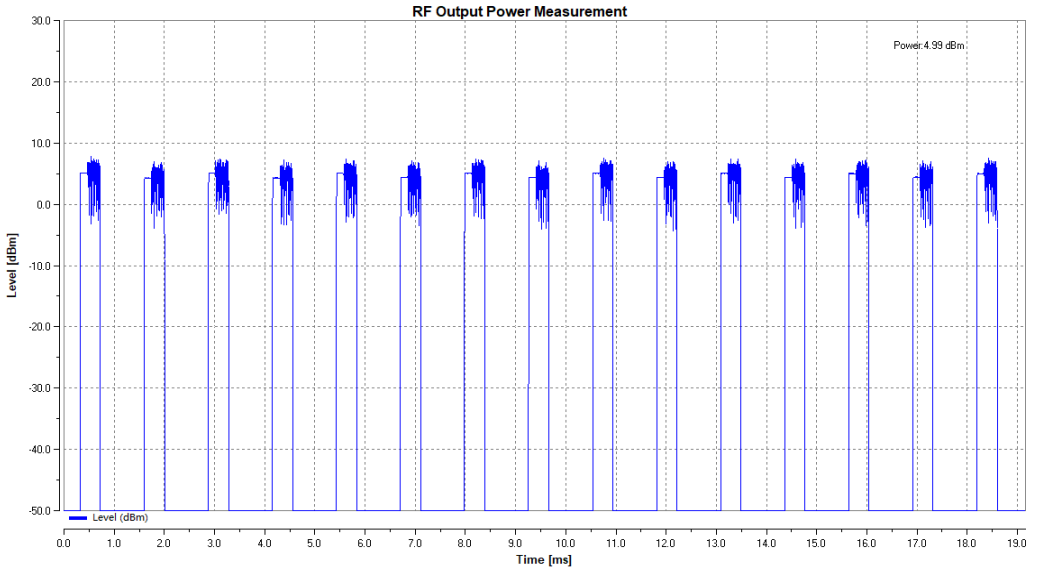
LTNV_2DH1_Ant1_Hop



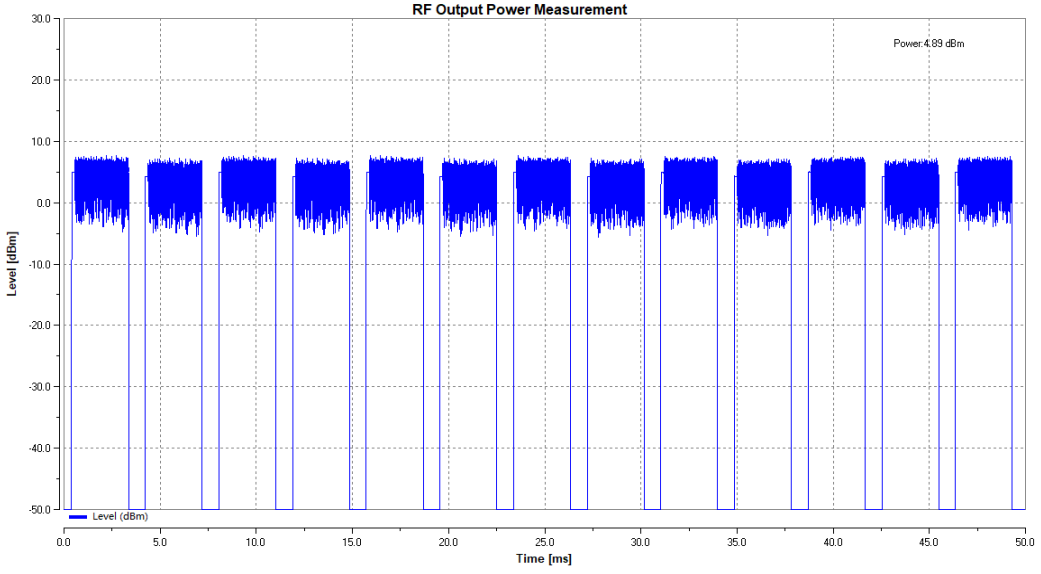
LTNV_2DH5_Ant1_Hop



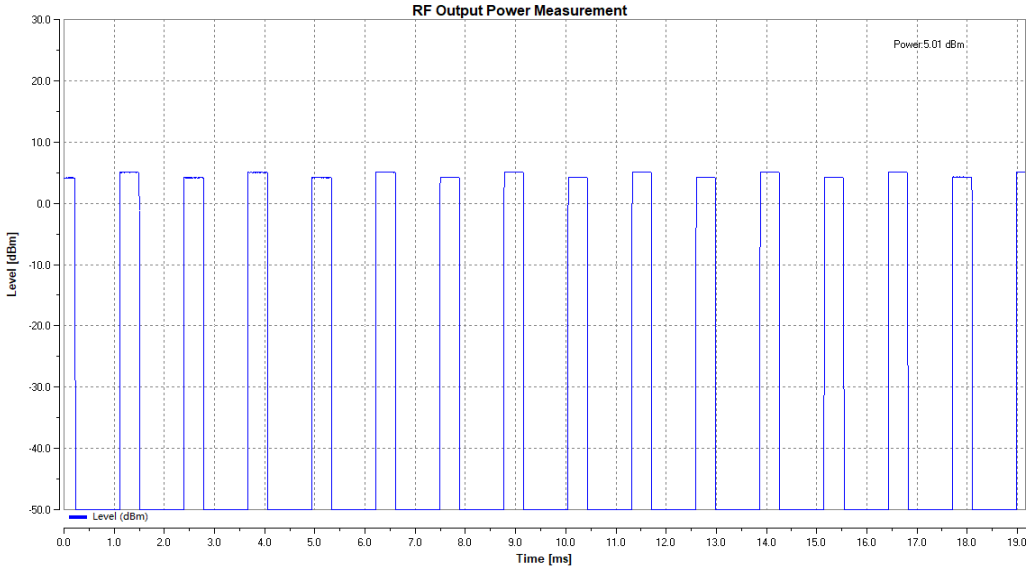
LTNV_3DH1_Ant1_Hop



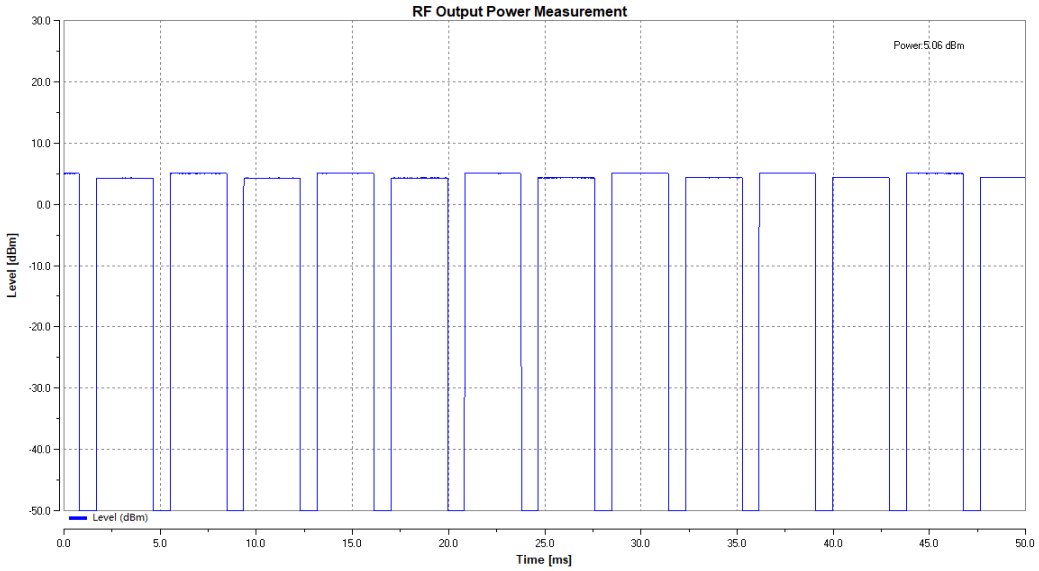
LTNV_3DH5_Ant1_Hop



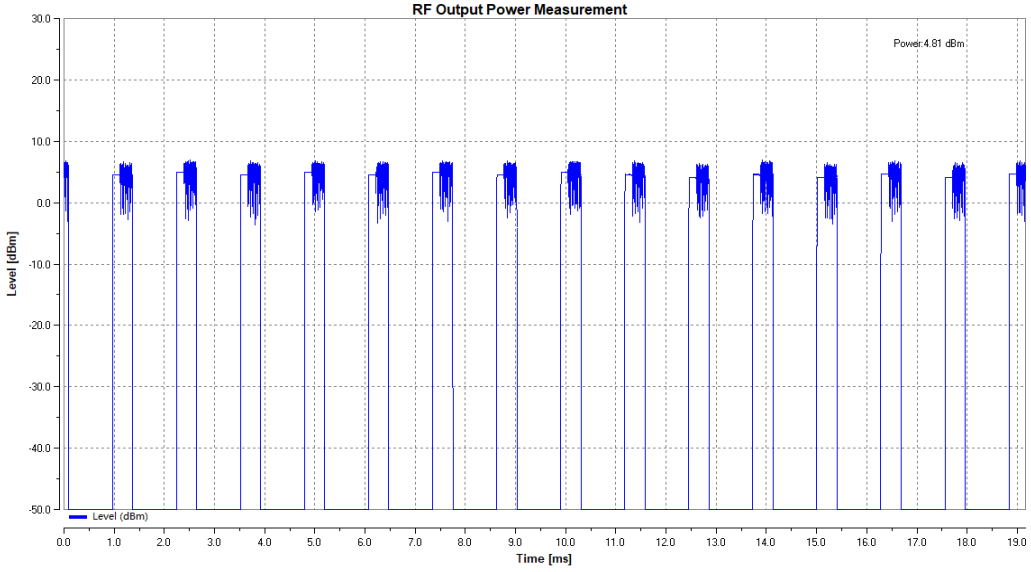
HTNV_DH1_Ant1_Hop



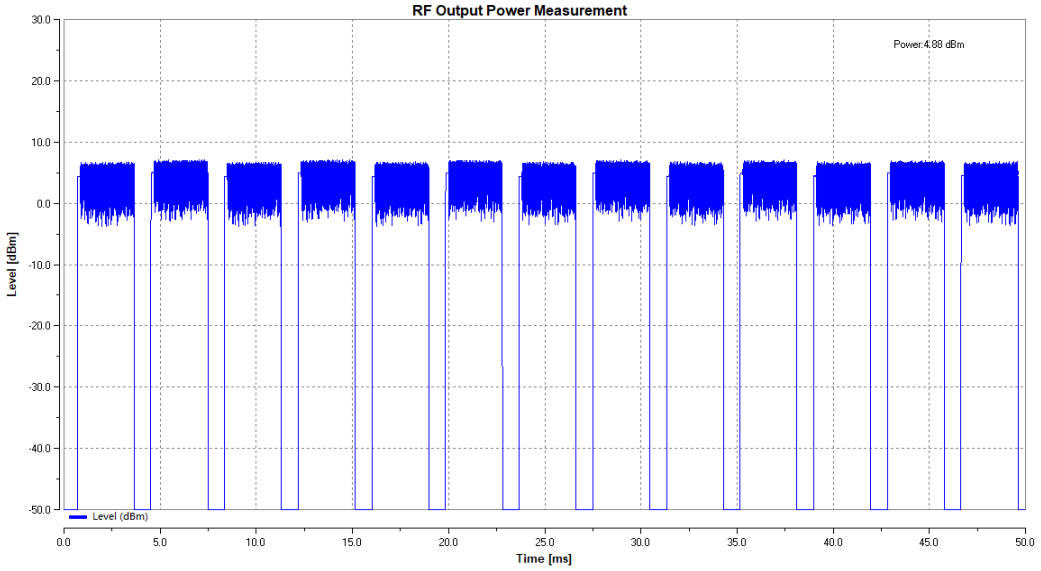
HTNV_DH5_Ant1_Hop



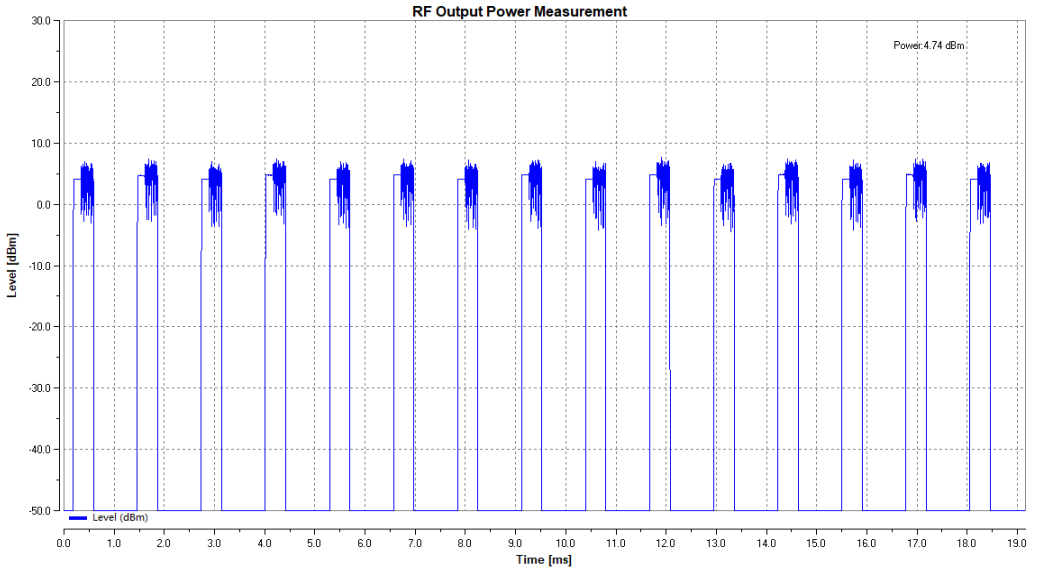
HTNV_2DH1_Ant1_Hop



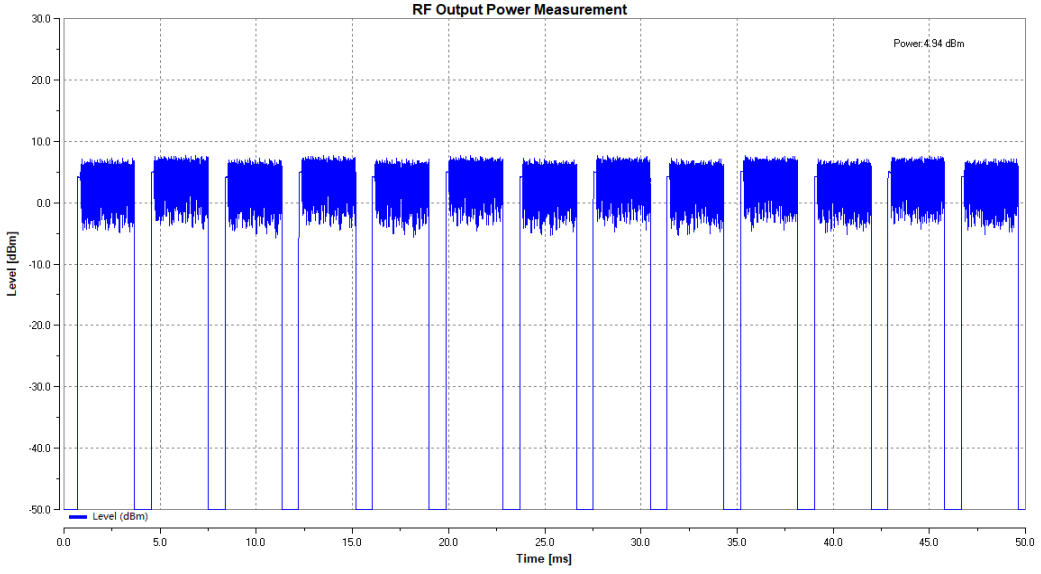
HTNV_2DH5_Ant1_Hop



HTNV_3DH1_Ant1_Hop



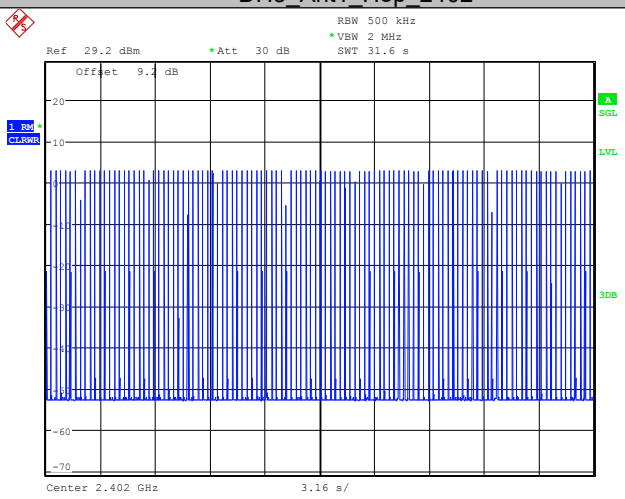
HTNV_3DH5_Ant1_Hop



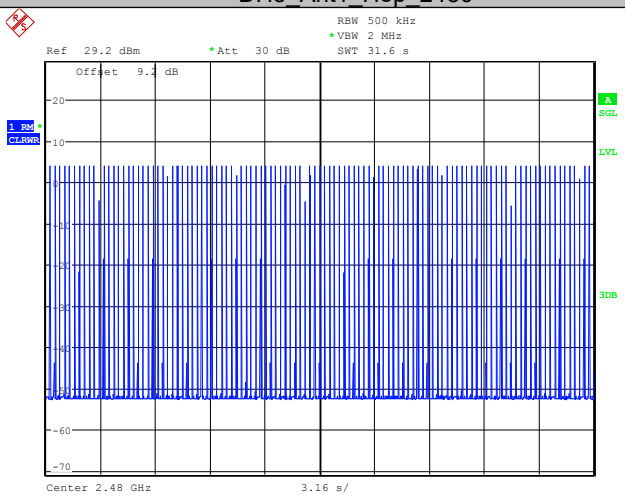
2 Appendix A.2 : Accumulated Transmit Time

TestMode	Antenna	Channel	Result [ms]	Limit[ms]	Verdict
DH5	Ant1	Hop_2402	351.802	400	PASS
		Hop_2480	361.281	400	PASS
2DH5	Ant1	Hop_2402	365.494	400	PASS
		Hop_2480	367.601	400	PASS
3DH5	Ant1	Hop_2402	368.654	400	PASS
		Hop_2480	370.761	400	PASS

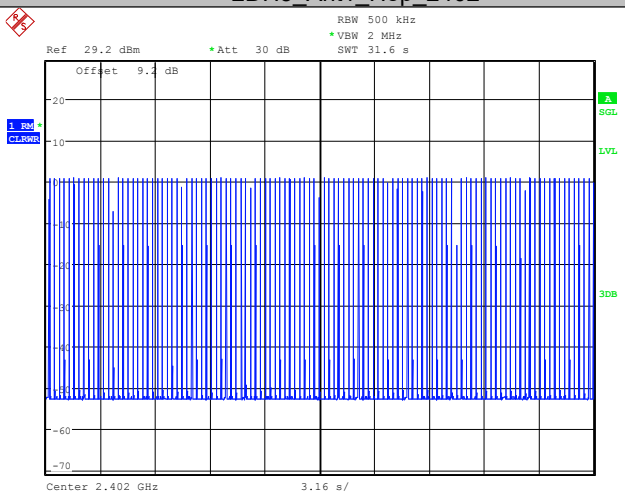
DH5_Ant1_Hop_2402



DH5_Ant1_Hop_2480

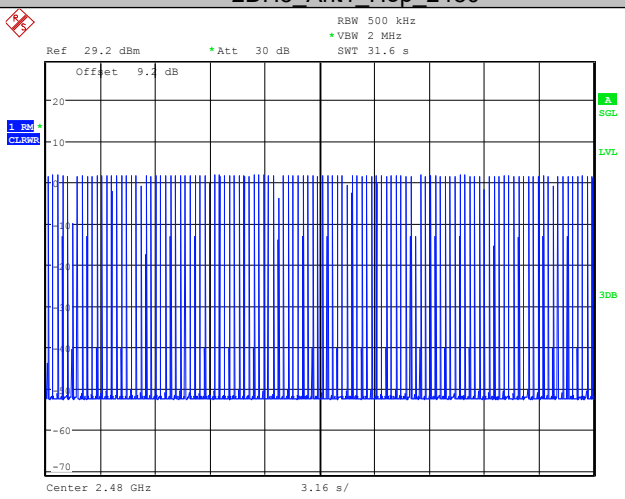


2DH5_Ant1_Hop_2402



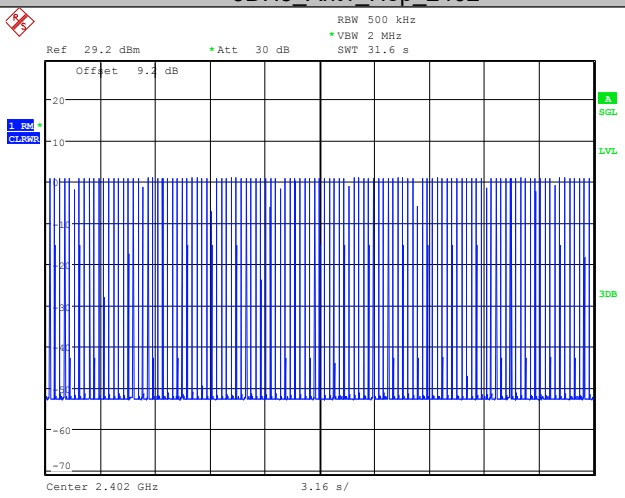
Date: 21.JAN.2021 14:15:33

2DH5_Ant1_Hop_2480



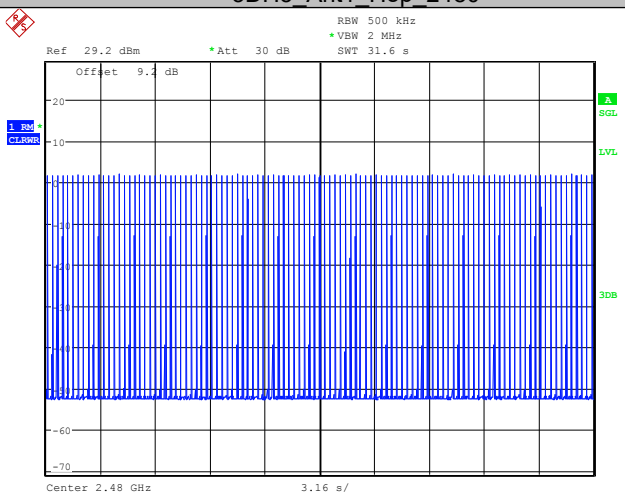
Date: 21.JAN.2021 14:22:13

3DH5_Ant1_Hop_2402



Date: 21.JAN.2021 14:25:24

3DH5_Ant1_Hop_2480

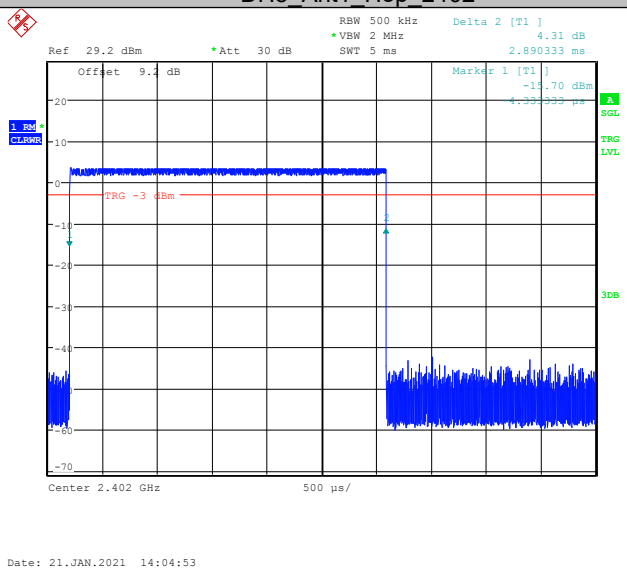


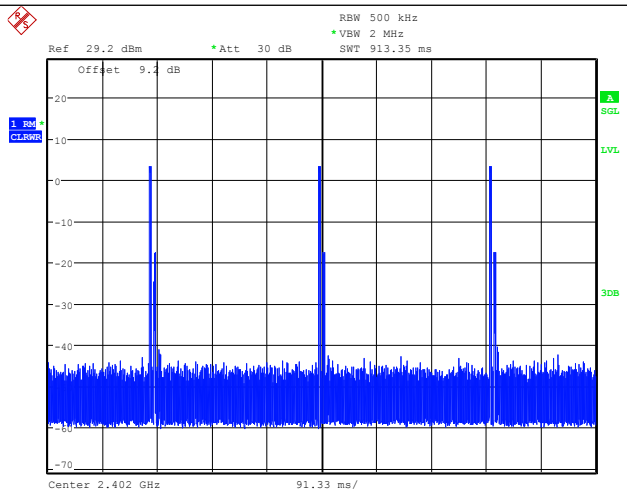
Date: 21.JAN.2021 14:35:31

3 Appendix A.3 : Frequency Occupation

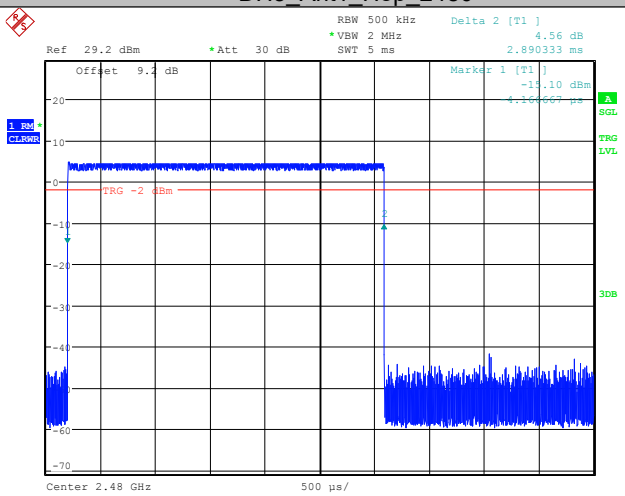
TestMode	Antenna	Channel	Result [Num.]	Limit [Num.]	Verdict
DH5	Ant1	Hop_2402	3	1	PASS
		Hop_2480	3	1	PASS
2DH5	Ant1	Hop_2402	3	1	PASS
		Hop_2480	3	1	PASS
3DH5	Ant1	Hop_2402	3	1	PASS
		Hop_2480	3	1	PASS

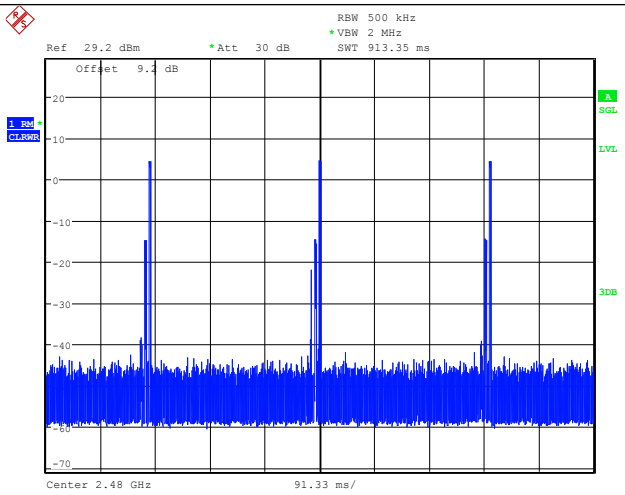
DH5_Ant1_Hop_2402



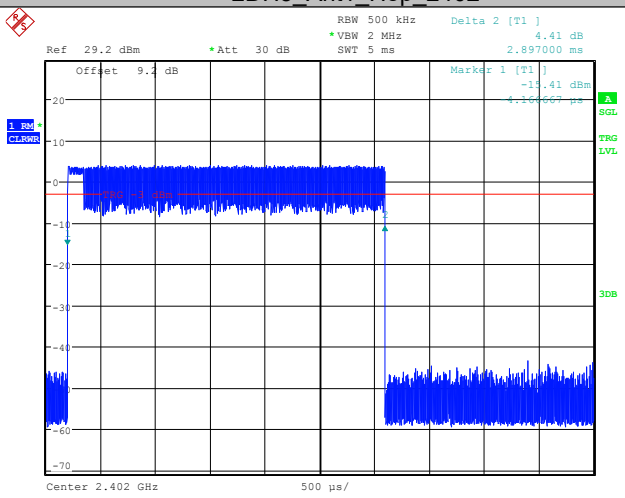


DH5_Ant1_Hop_2480

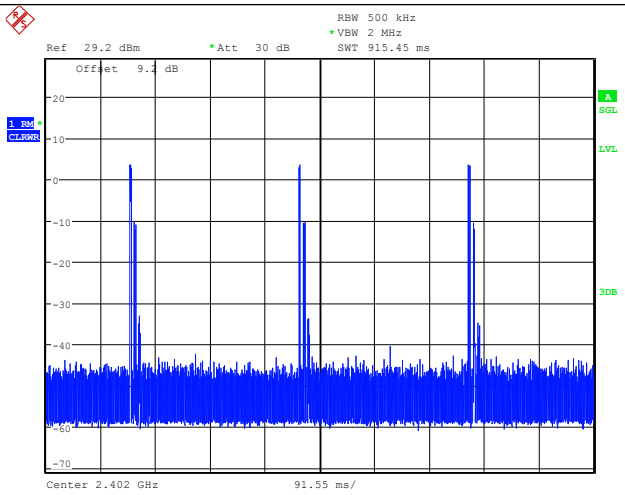




2DH5_Ant1_Hop_2402

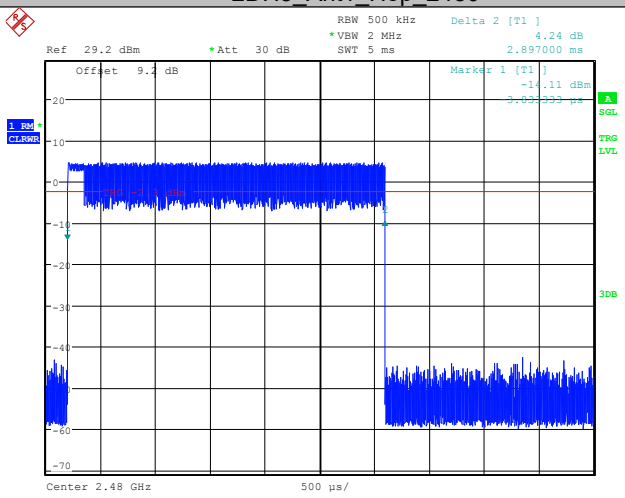


Date: 21.JAN.2021 14:15:52

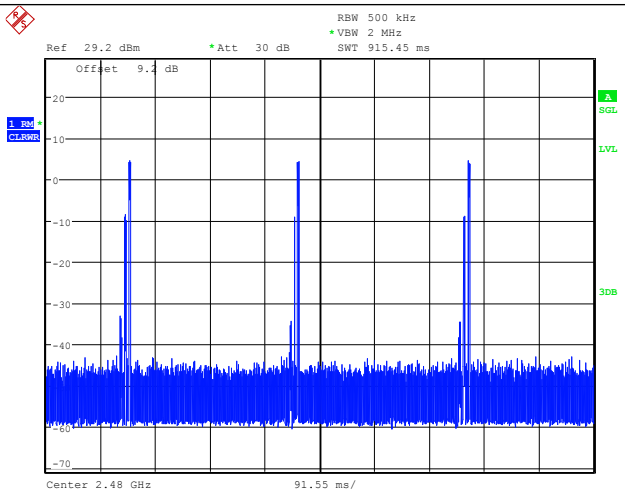


Date: 21.JAN.2021 14:15:56

2DH5_Ant1_Hop_2480

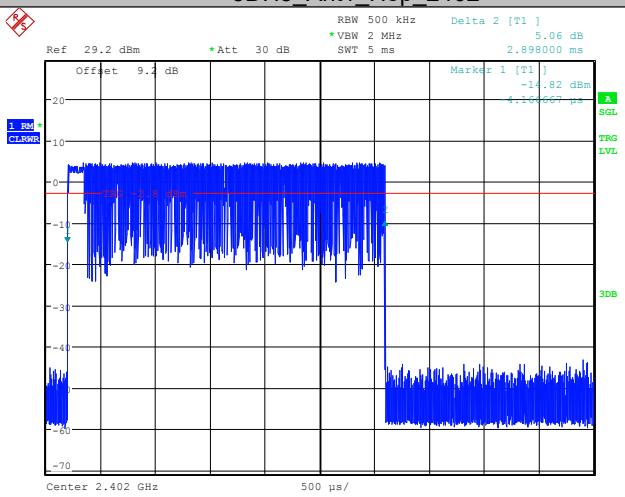


Date: 21.JAN.2021 14:22:33

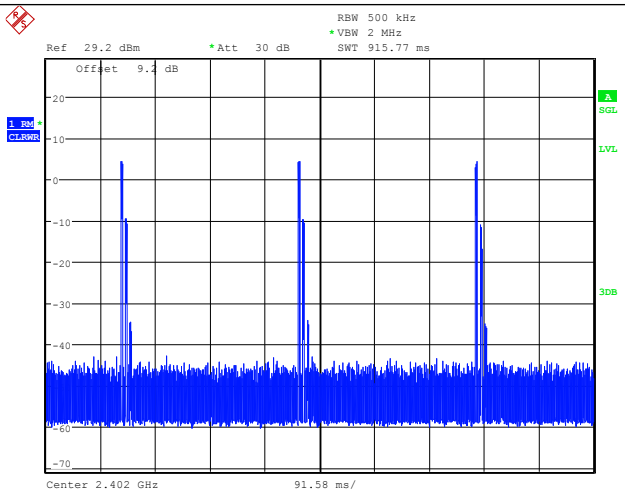


Date: 21.JAN.2021 14:22:36

3DH5_Ant1_Hop_2402

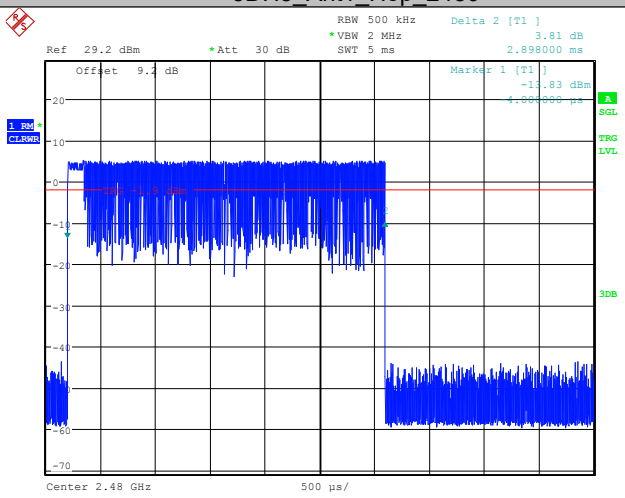


Date: 21.JAN.2021 14:34:35

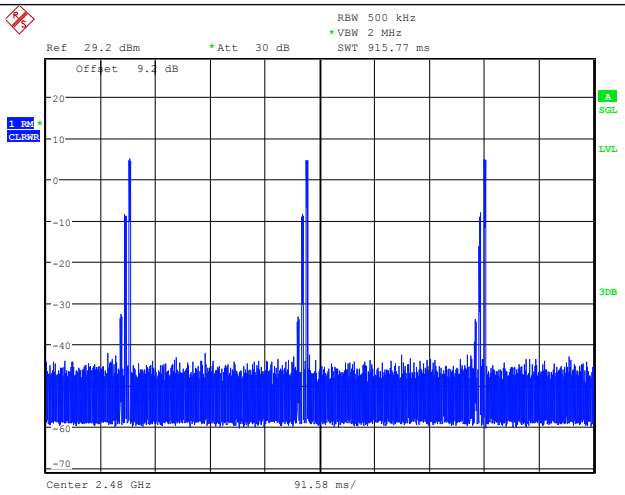


Date: 21.JAN.2021 14:34:38

3DH5_Ant1_Hop_2480



Date: 21.JAN.2021 14:35:51

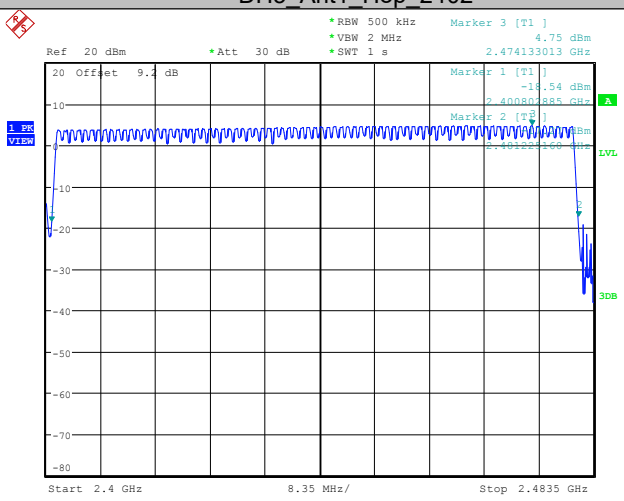


Date: 21.JAN.2021 14:35:54

4 Appendix A.4 : Hopping Sequence

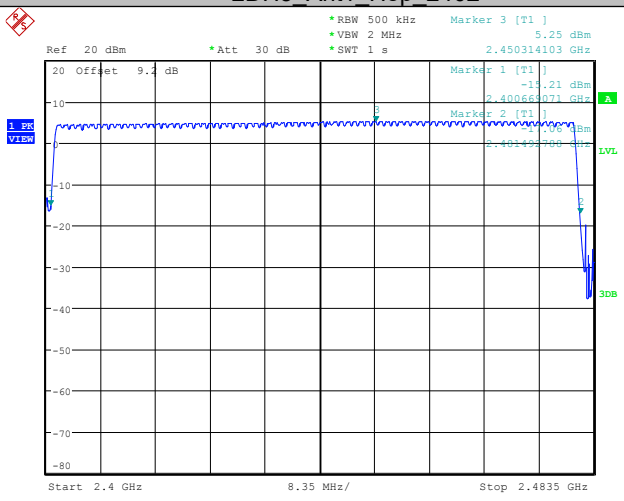
TestMode	Antenna	Channel	Hop. [Num.]	Limit[Num.]	Band Use [%]	Limit [%]	Verdict
DH5	Ant1	Hop_2402	79	15	96.31	70	PASS
2DH5	Ant1	Hop_2402	79	15	96.79	70	PASS

DH5_Ant1_Hop_2402



Date: 21.JAN.2021 14:11:34

2DH5_Ant1_Hop_2402

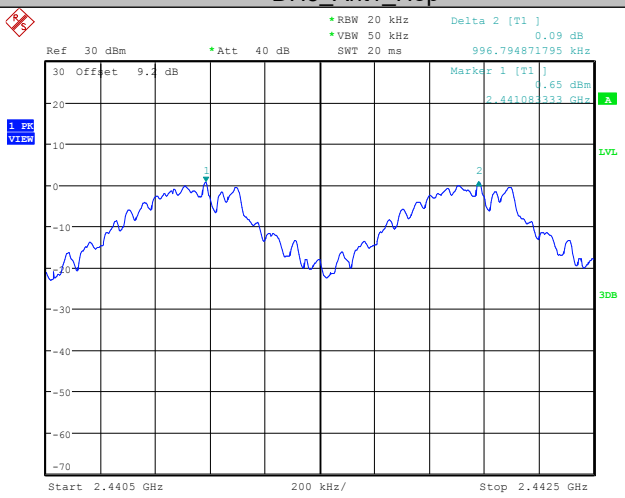


Date: 21.JAN.2021 14:21:17

5 Appendix A.5: Hopping Frequency Separation

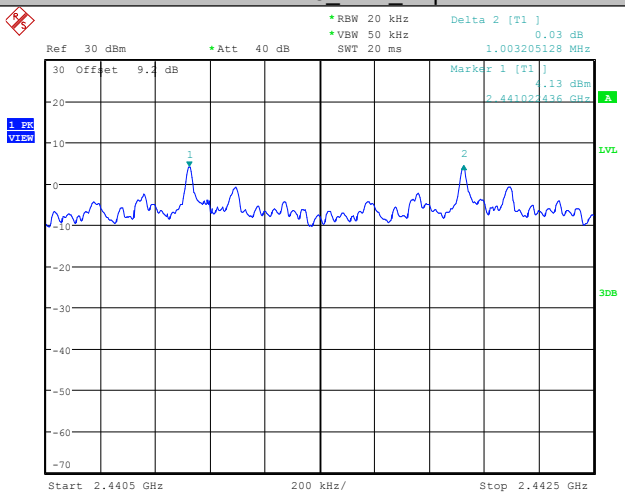
TestMode	Antenna	Channel	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.997	0.100	PASS
2DH5	Ant1	Hop	1.003	0.100	PASS
3DH5	Ant1	Hop	1.003	0.100	PASS

DH5_Ant1_Hop



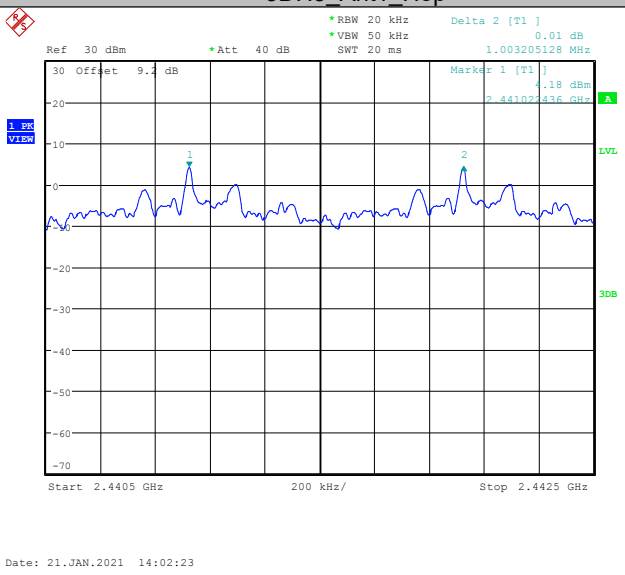
Date: 21.JAN.2021 14:00:37

2DH5_Ant1_Hop



Date: 21.JAN.2021 14:01:24

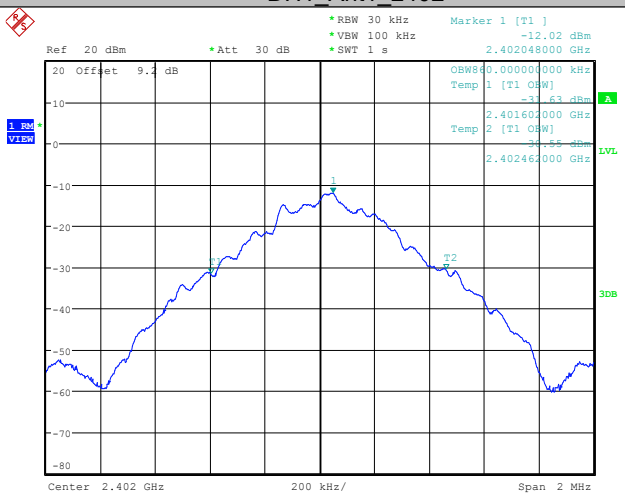
3DH5_Ant1_Hop



6 Appendix A.6: Occupied Channel Bandwidth

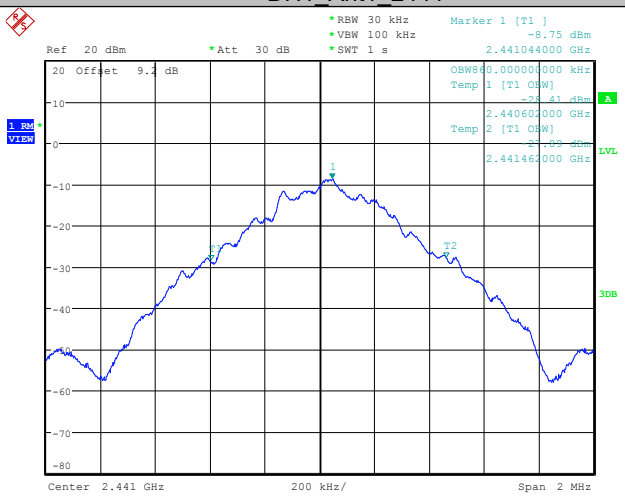
TestMode	Antenna	Channel	OCB[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.86	2401.6020	2402.4620	2400 to 2483.5	PASS
		2441	0.86	2440.6020	2441.4620	2400 to 2483.5	PASS
		2480	0.856	2479.6040	2480.4600	2400 to 2483.5	PASS
DH5	Ant1	2402	0.886	2401.5800	2402.4660	2400 to 2483.5	PASS
		2441	0.884	2440.5800	2441.4640	2400 to 2483.5	PASS
		2480	0.88	2479.5820	2480.4620	2400 to 2483.5	PASS
2DH1	Ant1	2402	1.168	2401.4300	2402.5980	2400 to 2483.5	PASS
		2441	1.17	2440.4280	2441.5980	2400 to 2483.5	PASS
		2480	1.174	2479.4280	2480.6020	2400 to 2483.5	PASS
2DH5	Ant1	2402	1.204	2401.4200	2402.6240	2400 to 2483.5	PASS
		2441	1.206	2440.4200	2441.6260	2400 to 2483.5	PASS
		2480	1.214	2479.4180	2480.6320	2400 to 2483.5	PASS
3DH1	Ant1	2402	1.168	2401.4520	2402.6200	2400 to 2483.5	PASS
		2441	1.168	2440.4520	2441.6200	2400 to 2483.5	PASS
		2480	1.17	2479.4520	2480.6220	2400 to 2483.5	PASS
3DH5	Ant1	2402	1.214	2401.4100	2402.6240	2400 to 2483.5	PASS
		2441	1.218	2440.4180	2441.6360	2400 to 2483.5	PASS
		2480	1.22	2479.4160	2480.6360	2400 to 2483.5	PASS

DH1_Ant1_2402



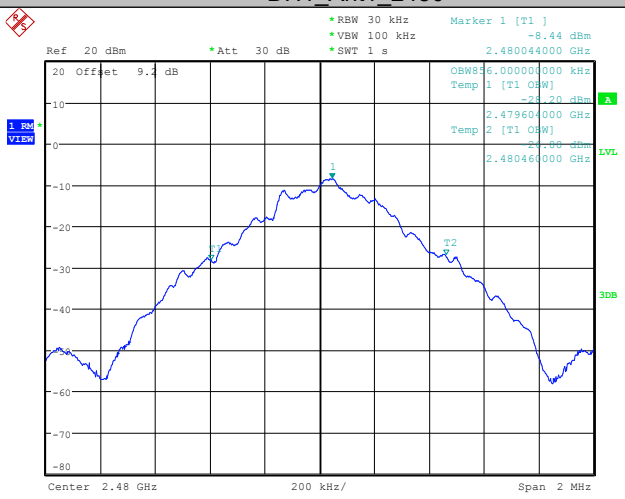
Date: 21.JAN.2021 13:43:24

DH1_Ant1_2441



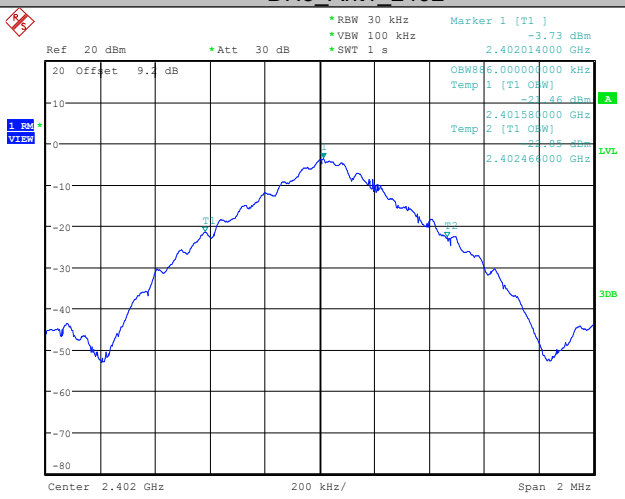
Date: 21.JAN.2021 13:43:49

DH1_Ant1_2480



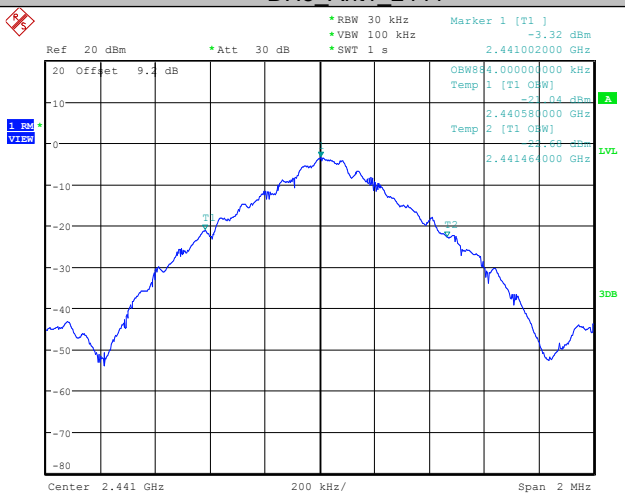
Date: 21.JAN.2021 13:44:14

DH5_Ant1_2402



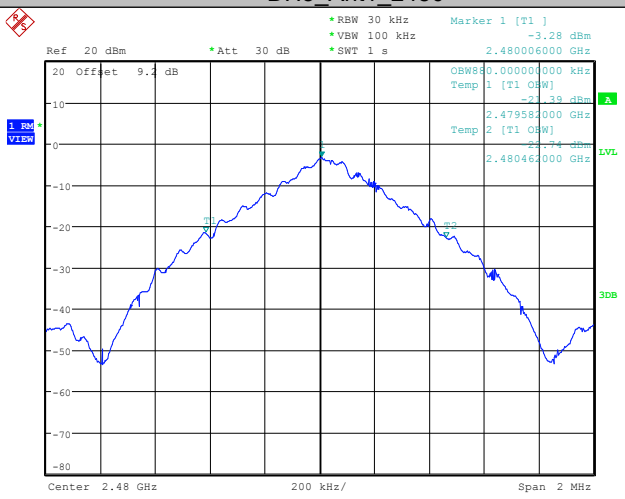
Date: 20.JAN.2021 16:56:04

DH5_Ant1_2441



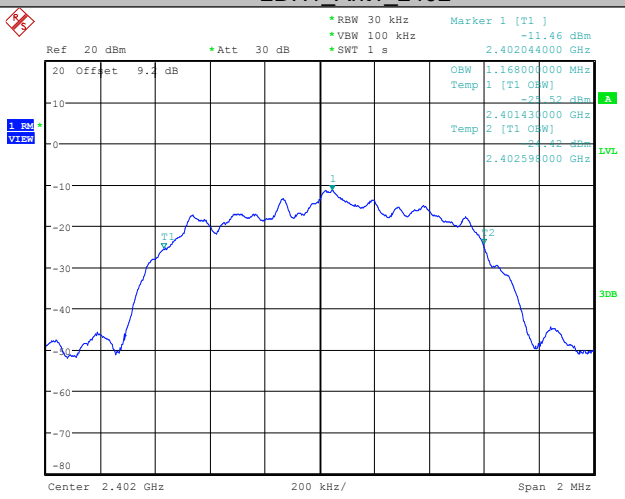
Date: 20.JAN.2021 17:00:37

DH5_Ant1_2480



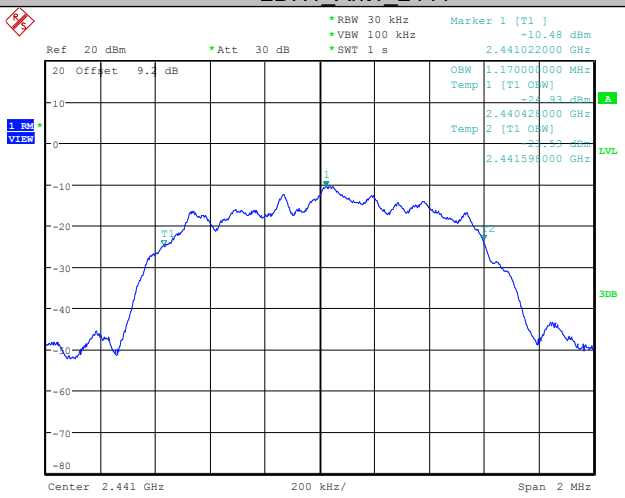
Date: 20.JAN.2021 17:01:11

2DH1_Ant1_2402



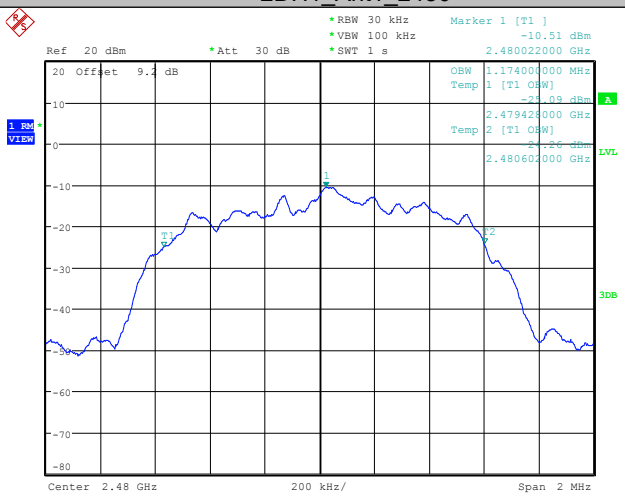
Date: 21.JAN.2021 13:44:46

2DH1_Ant1_2441



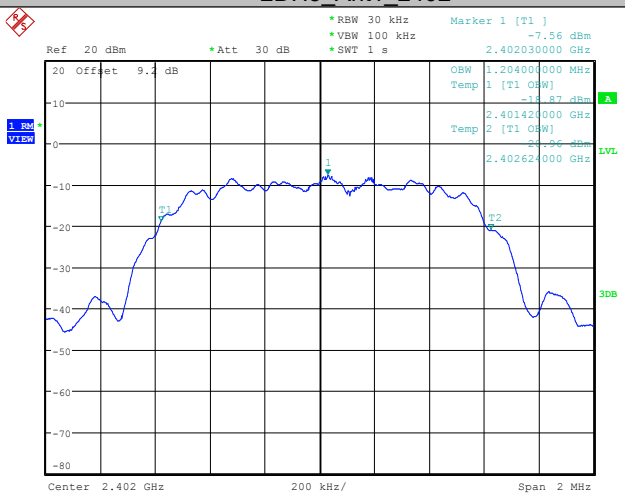
Date: 21.JAN.2021 13:45:11

2DH1_Ant1_2480



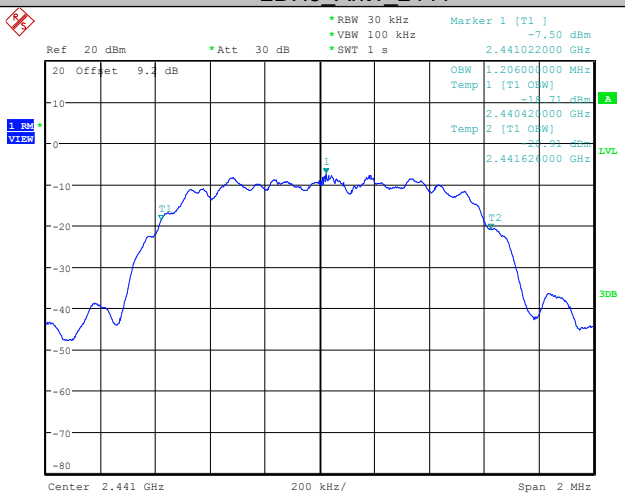
Date: 21.JAN.2021 13:45:32

2DH5_Ant1_2402



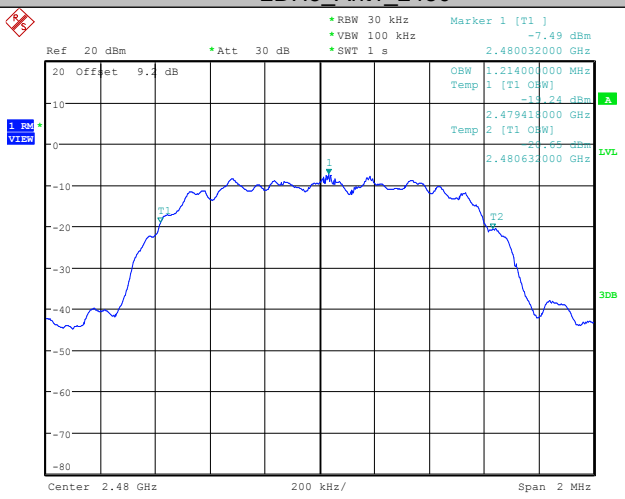
Date: 20.JAN.2021 17:02:03

2DH5_Ant1_2441



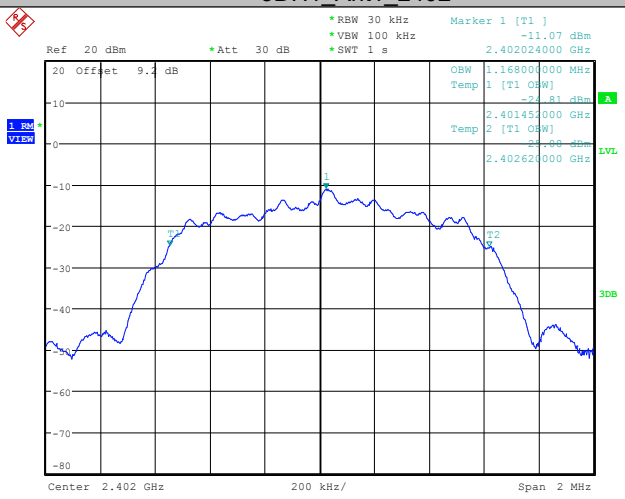
Date: 20.JAN.2021 17:02:36

2DH5_Ant1_2480



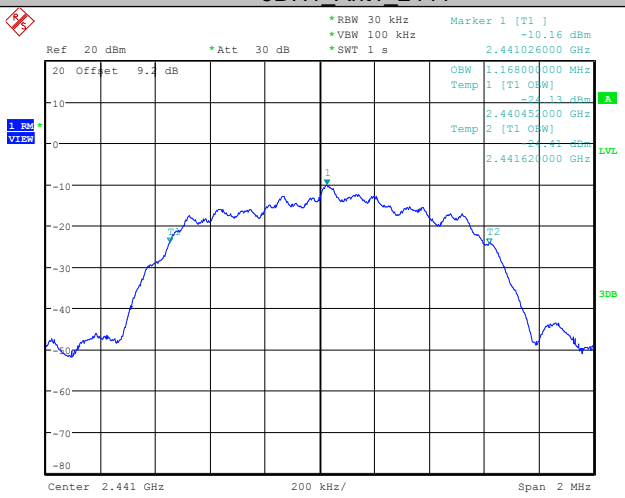
Date: 20.JAN.2021 17:03:05

3DH1_Ant1_2402



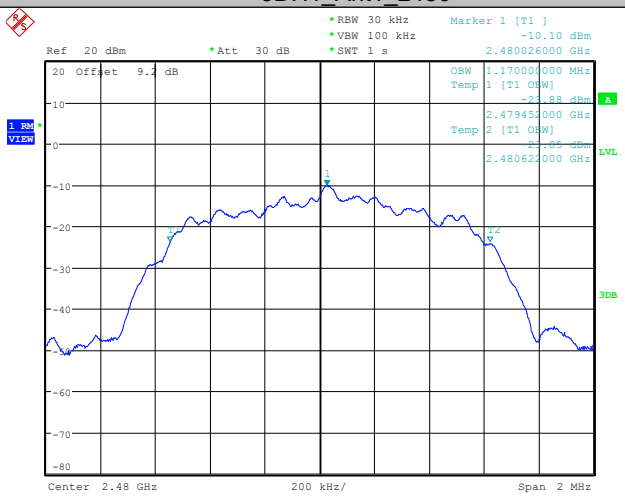
Date: 21.JAN.2021 13:45:59

3DH1_Ant1_2441



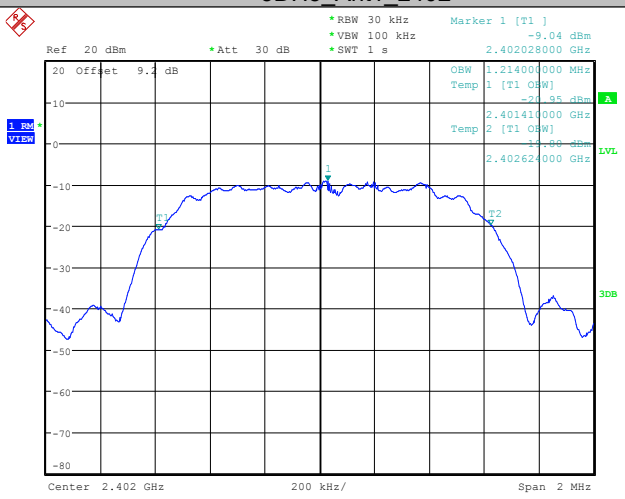
Date: 21.JAN.2021 13:46:20

3DH1_Ant1_2480



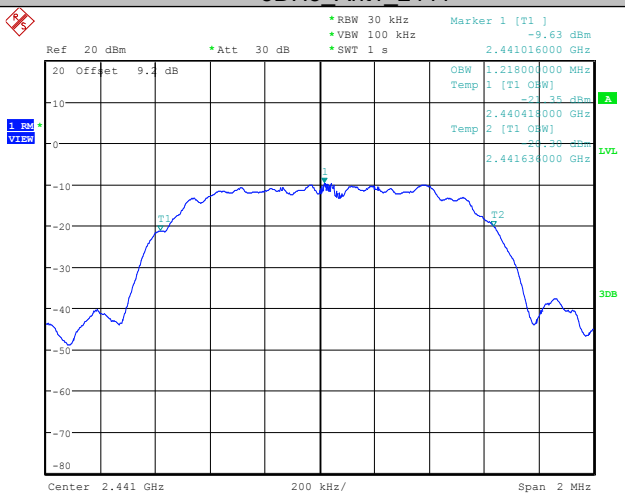
Date: 21.JAN.2021 13:46:46

3DH5_Ant1_2402



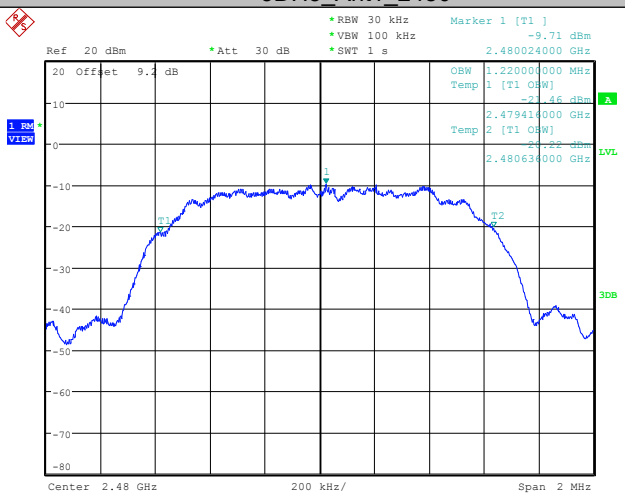
Date: 20.JAN.2021 17:57:15

3DH5_Ant1_2441



Date: 21.JAN.2021 13:42:25

3DH5_Ant1_2480



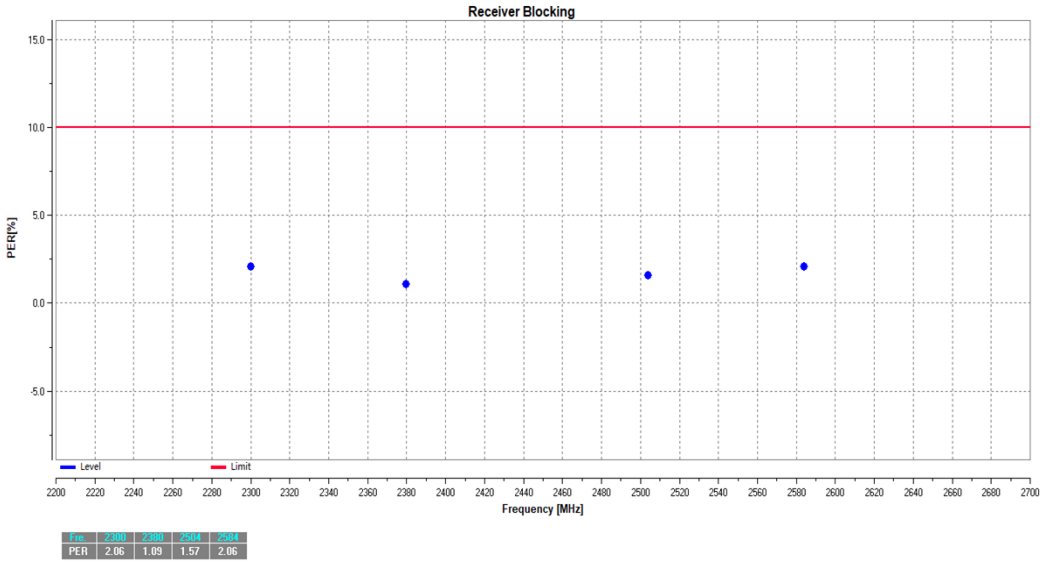
Date: 21.JAN.2021 13:42:53

7 Appendix A.7: Receiver Blocking

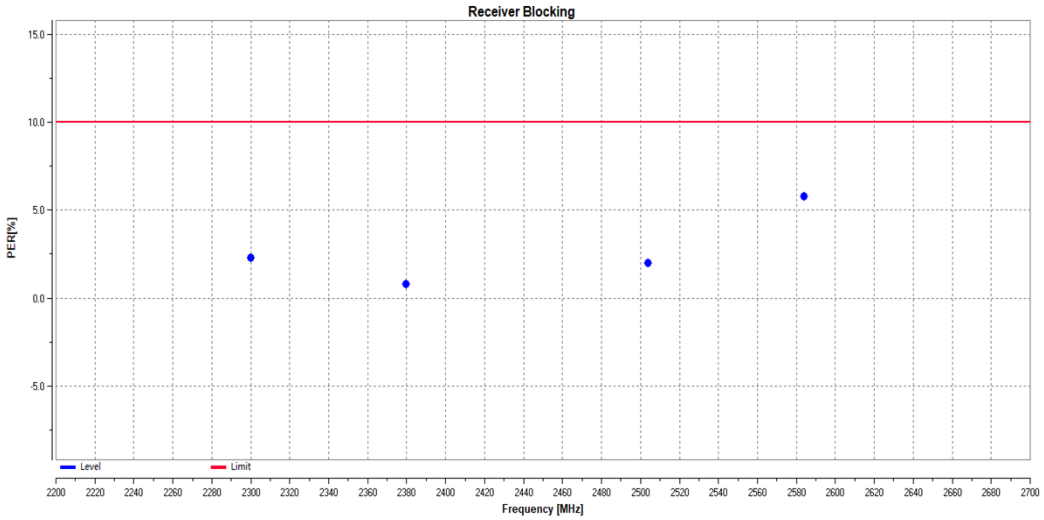
TestMode	Antenna	Channel	Pmin [dBm]	Wanted signal [dBm]	Freq. [MHz]	CW [dBm]	PER [%]	Limit [%]	Verdict
DH1	Ant1	Hop	---	-67.16	2300	-31.5	2.06	<=10	PASS
			---	-67.16	2380	-31.5	1.09	<=10	PASS
			---	-67.16	2504	-31.5	1.57	<=10	PASS
			---	-67.16	2584	-31.5	2.06	<= 10	PASS
2DH1	Ant1	Hop	---	-65.82	2300	-31.5	2.25	<=10	PASS
			---	-65.82	2380	-31.5	0.79	<=10	PASS
			---	-65.82	2504	-31.5	1.96	<=10	PASS
			---	-65.82	2584	-31.5	5.75	<= 10	PASS
3DH1	Ant1	Hop	---	-65.83	2300	-31.5	3.19	<=10	PASS
			---	-65.83	2380	-31.5	3.57	<=10	PASS
			---	-65.83	2504	-31.5	1.67	<=10	PASS
			---	-65.83	2584	-31.5	2.44	<= 10	PASS

Note: The EUT is category 2 receiver.

DH1_Ant1_Hop

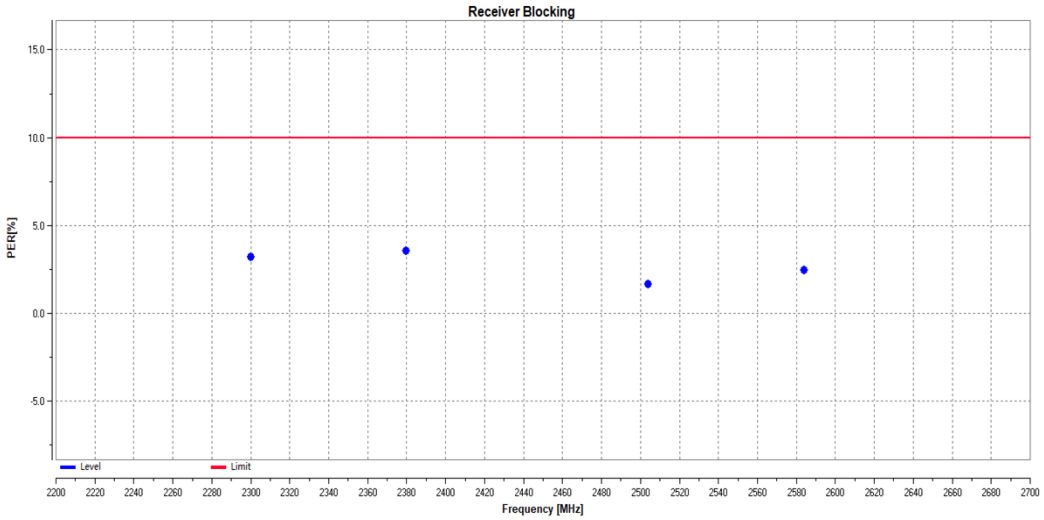


2DH1_Ant1_Hop



Fre.	2380	2380	2504	2504
PER	2.25	0.79	1.96	5.75

3DH1_Ant1_Hop

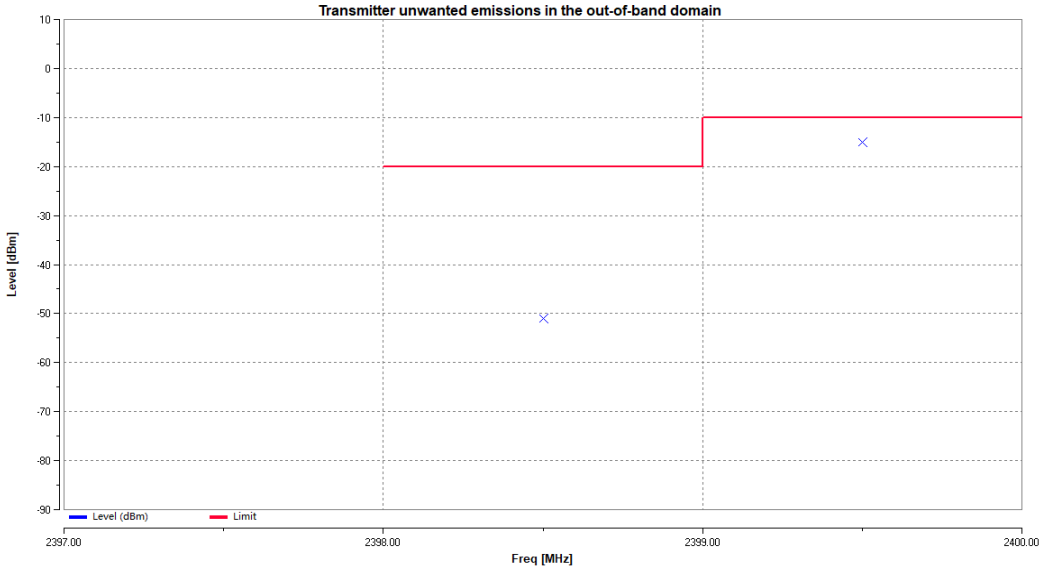


Fre.	2380	2380	2504	2504
PER	3.19	3.57	1.67	2.44

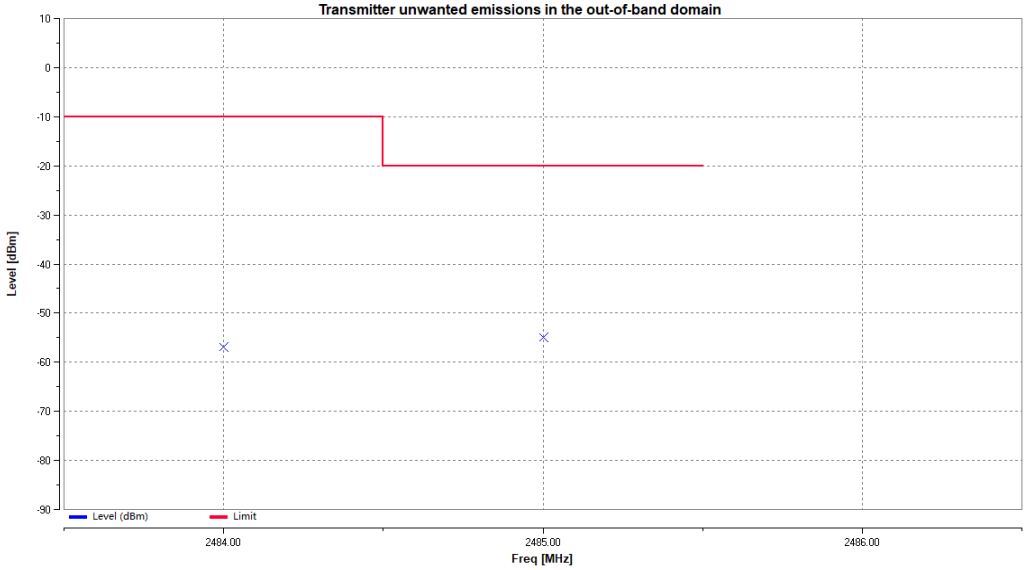
8 Appendix A.8 : Tx unwanted emissions in the out-of-band domain

TestMode	Antenna	Channel	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	2398.5	-51.00	-20.00	PASS
			2399.5	-15.09	-10.00	PASS
			2484	-56.97	-10.00	PASS
			2485	-55.00	-20.00	PASS
2DH5	Ant1	Hop	2398.072	-56.91	-20.00	PASS
			2398.286	-36.94	-20.00	PASS
			2399.286	-44.39	-10.00	PASS
			2399.5	-15.05	-10.00	PASS
			2484	-56.82	-10.00	PASS
			2484.214	-54.60	-10.00	PASS
			2485.214	-47.85	-20.00	PASS
			2485.428	-54.87	-20.00	PASS
3DH5	Ant1	Hop	2398.06	-32.24	-20.00	PASS
			2398.28	-56.46	-20.00	PASS
			2399.28	-42.73	-10.00	PASS
			2399.5	-15.00	-10.00	PASS
			2484	-53.43	-10.00	PASS
			2484.22	-54.51	-10.00	PASS
			2485.22	-45.26	-20.00	PASS
			2485.44	-56.96	-20.00	PASS

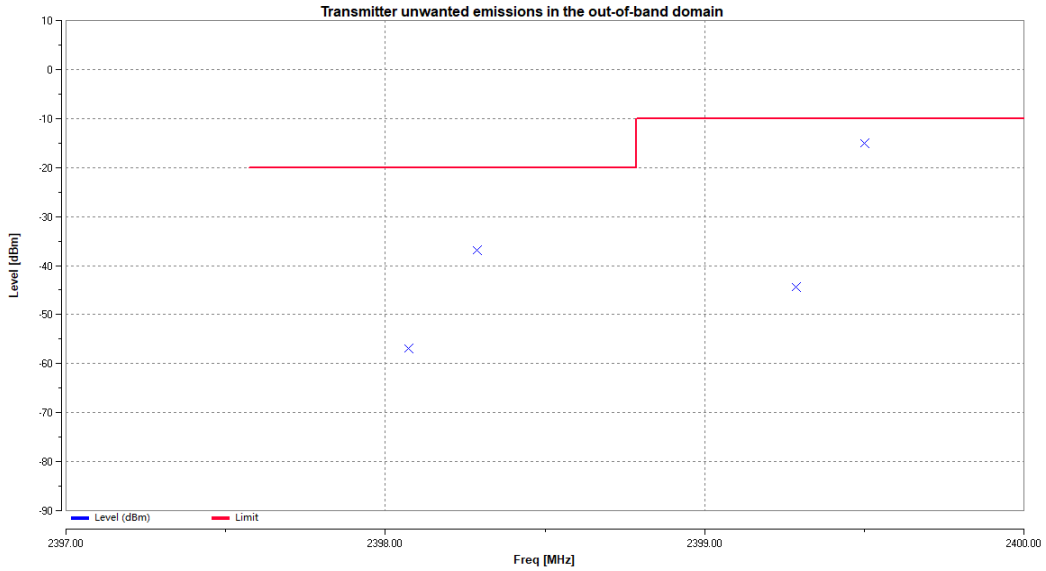
DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



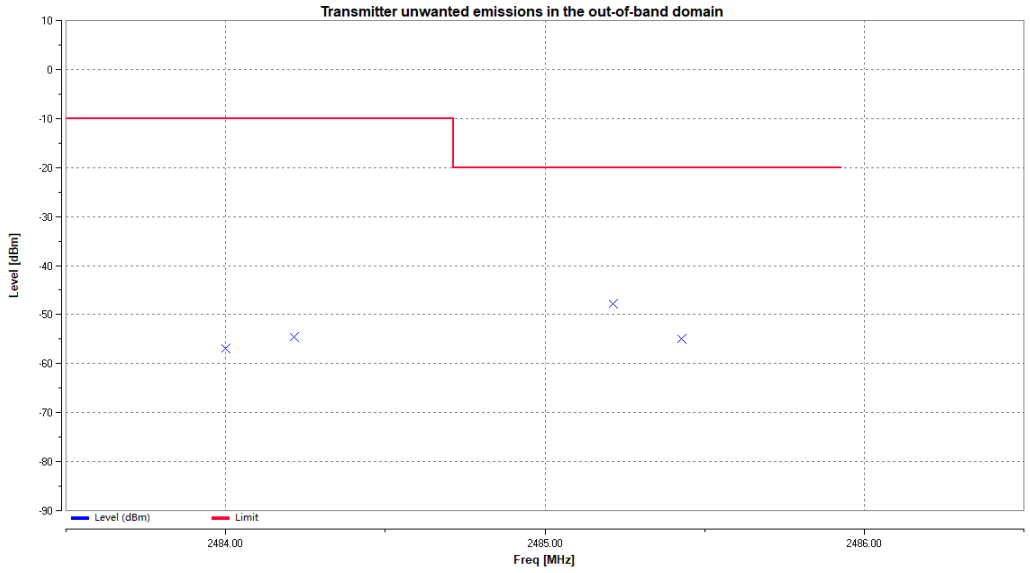
DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW



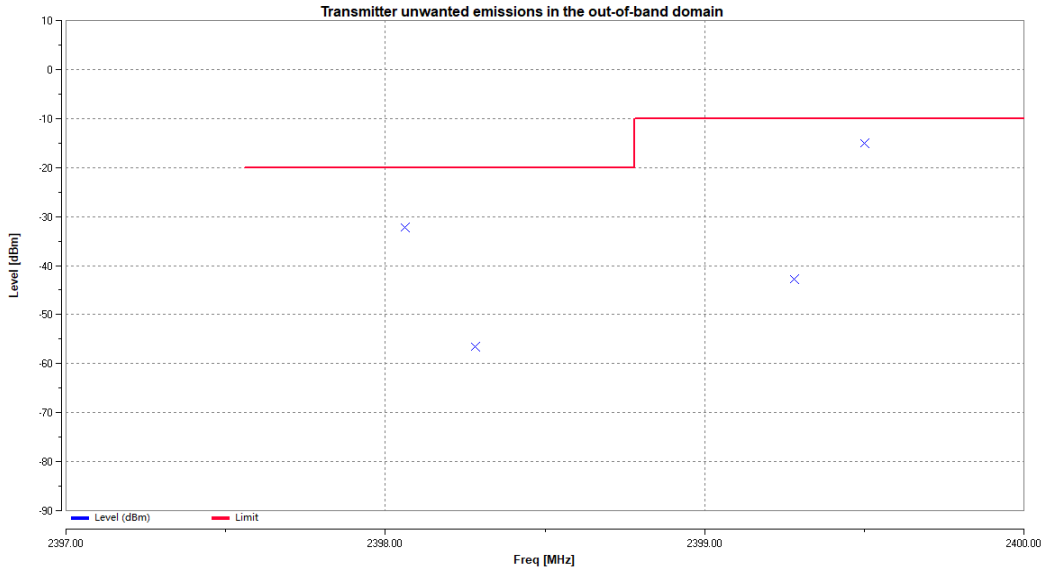
2DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



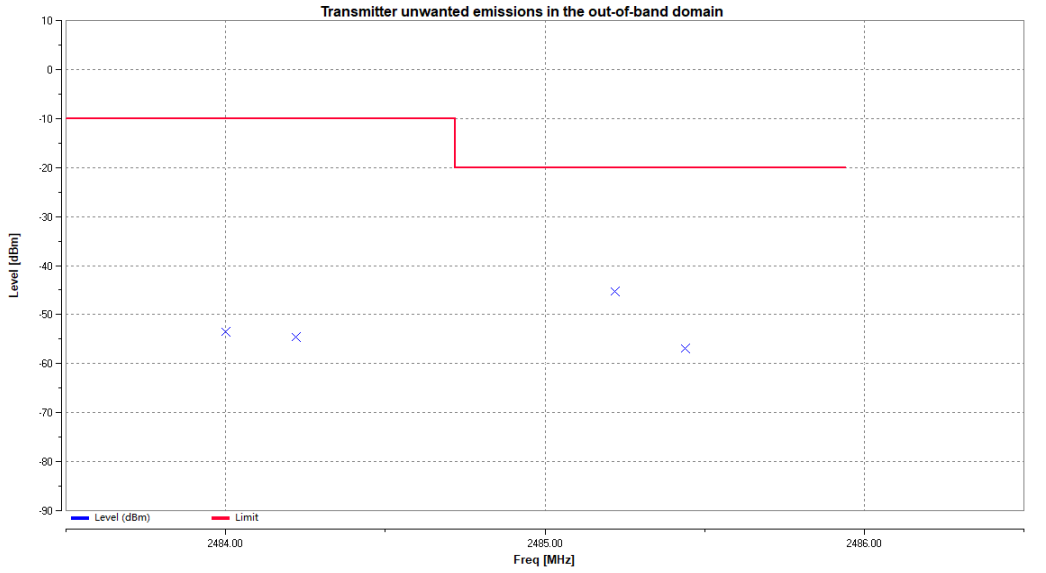
2DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW



3DH5_Ant1_Hop_2400MHz-2BW to 2400MHz

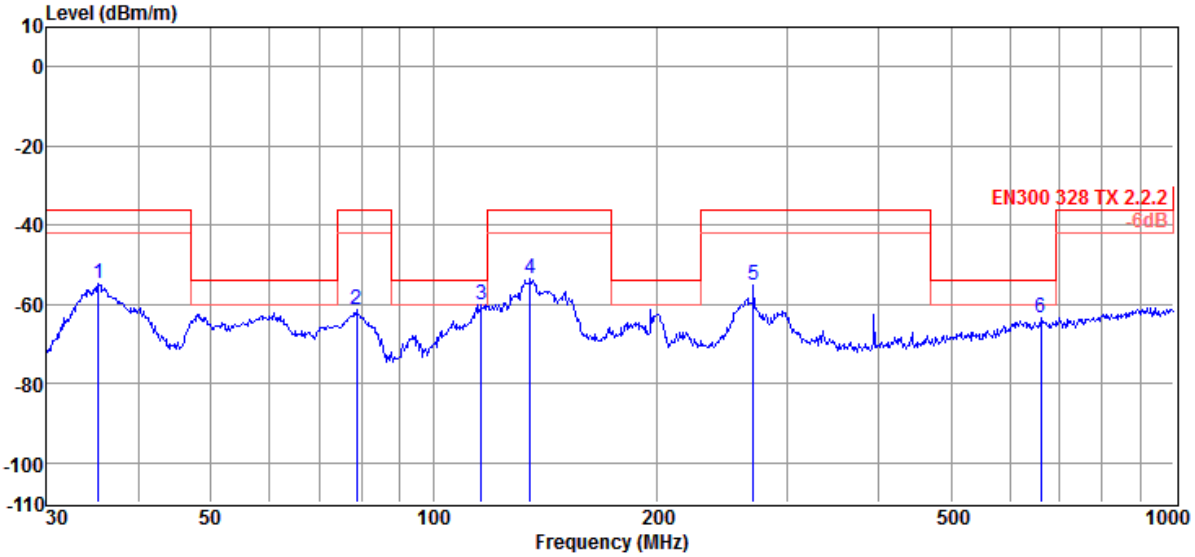


3DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW



9 Appendix A.9: Test Plots of Transmitter Unwanted Emission in the spurious domain

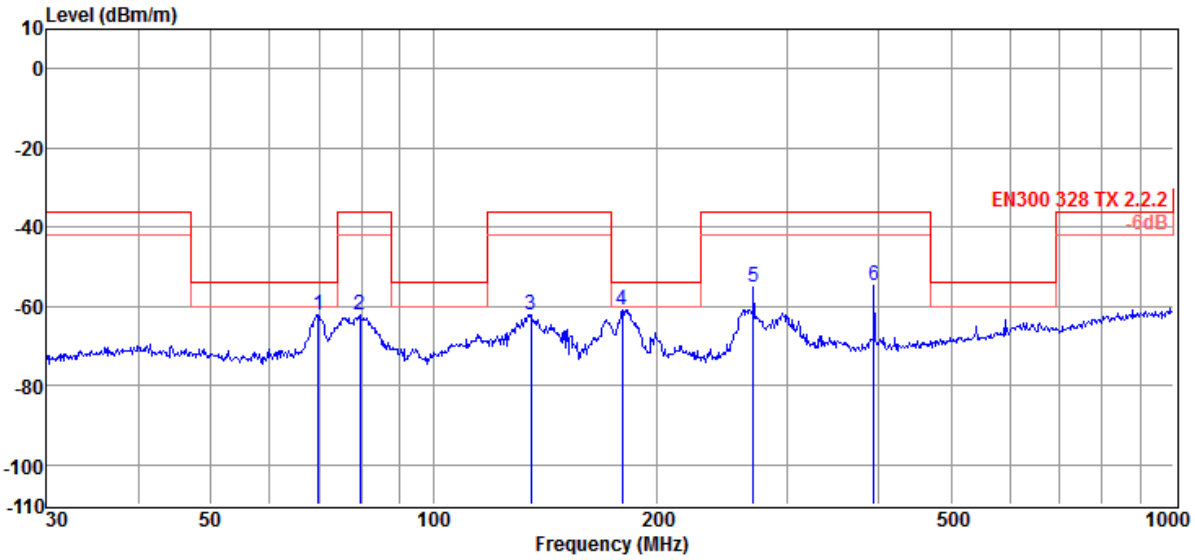
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-21	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: TX Mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2019 VULB 9163 2#/3m/VERTICAL
Memo	: DH5 2402		



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Site Loss Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	35.25	-86.52	13.49	3.66	14.49	-54.88	-36.00	-18.88	EIRP
2	78.69	-86.99	8.75	4.03	12.85	-61.36	-36.00	-25.36	EIRP
3	116.13	-88.44	10.66	4.33	13.54	-59.91	-54.00	-5.91	EIRP
4	135.03	-79.52	8.54	4.46	13.01	-53.51	-36.00	-17.51	EIRP
5	270.38	-84.70	13.33	5.23	11.11	-55.03	-36.00	-19.03	EIRP
6	661.15	-99.86	19.68	7.02	9.86	-63.30	-54.00	-9.30	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

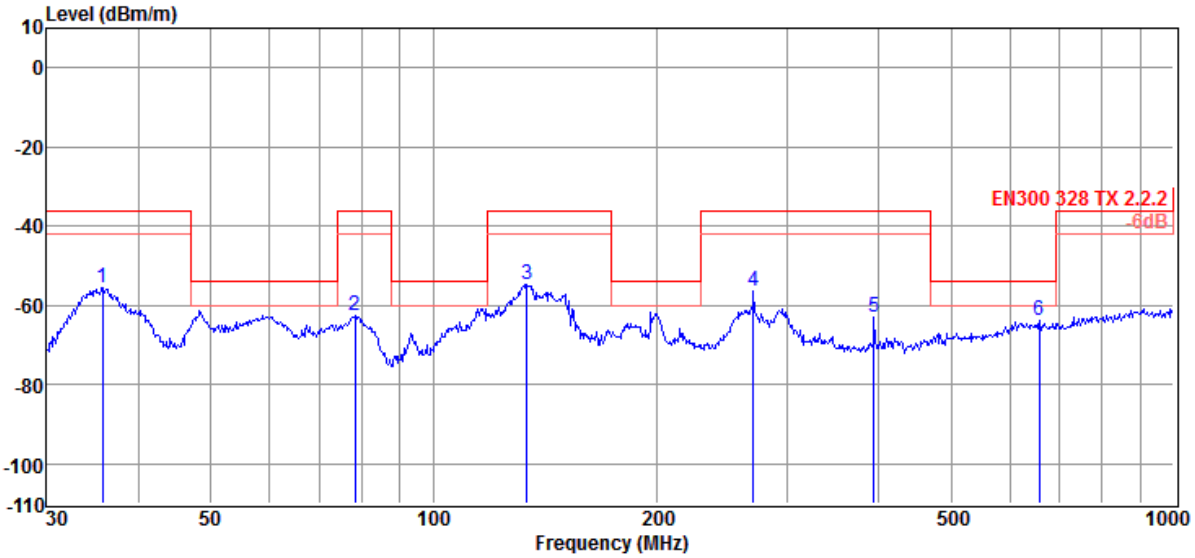
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-21	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: TX Mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1 kPa	**Antenna/Distance**	: 2019 VULB 9163 2#/3m/HORIZONTAL
Memo	: DH5 2402		



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Site Loss Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	69.85	-88.10	9.14	3.96	12.92	-62.08	-54.00	-8.08	EIRP
2	79.52	-87.34	8.72	4.04	12.23	-62.35	-36.00	-26.35	EIRP
3	135.51	-86.53	8.52	4.46	11.53	-62.02	-36.00	-26.02	EIRP
4	180.02	-88.08	9.80	4.73	12.73	-60.82	-54.00	-6.82	EIRP
5	270.38	-85.06	13.33	5.23	11.38	-55.12	-36.00	-19.12	EIRP
6	393.47	-86.01	15.41	5.80	10.09	-54.71	-36.00	-18.71	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

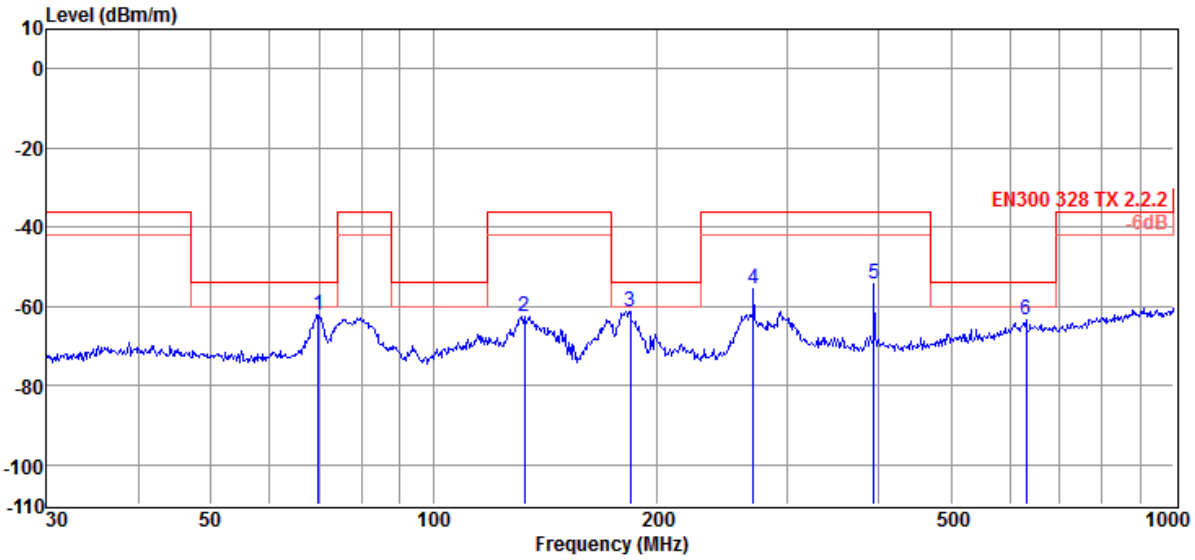
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-21	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: TX Mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1 kPa	**Antenna/Distance**	: 2019 VULB 9163 2#/3m/VERTICAL
Memo	: DH5 2480		



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Site Loss Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	35.75	-87.30	13.60	3.67	14.49	-55.54	-36.00	-19.54	EIRP
2	78.41	-88.18	8.76	4.03	12.85	-62.54	-36.00	-26.54	EIRP
3	133.62	-80.65	8.61	4.45	13.01	-54.58	-36.00	-18.58	EIRP
4	270.38	-86.11	13.33	5.23	11.11	-56.44	-36.00	-20.44	EIRP
5	393.47	-94.57	15.41	5.80	10.23	-63.13	-36.00	-27.13	EIRP
6	658.84	-100.27	19.66	7.02	9.86	-63.73	-54.00	-9.73	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

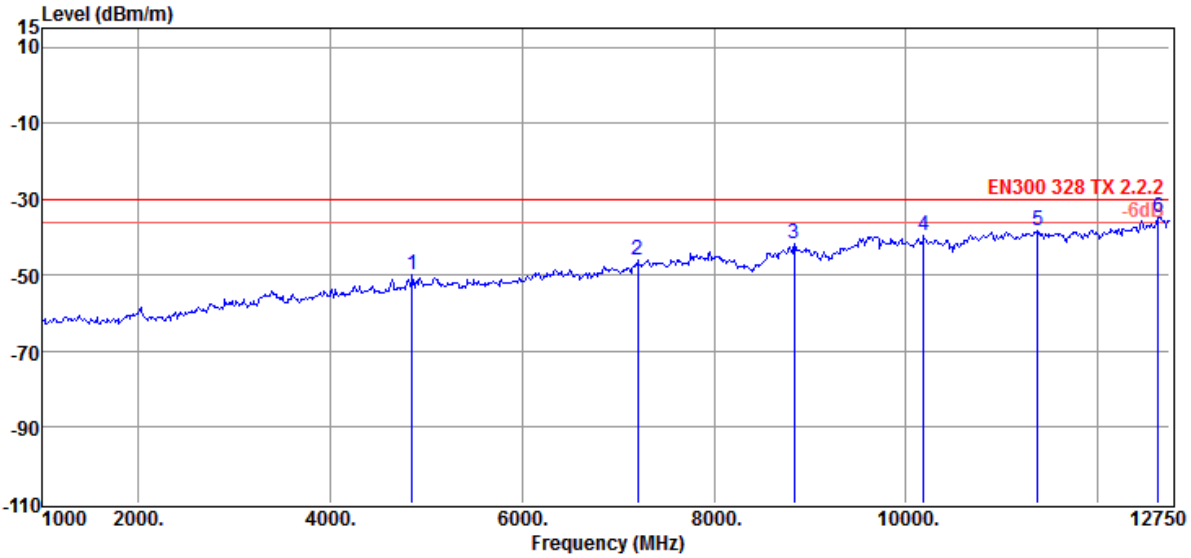
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-21	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: TX Mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1 kPa	**Antenna/Distance**	: 2019 VULB 9163 2#/3m/HORIZONTAL
Memo	: DH5 2480		



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Site Loss Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	69.85	-88.21	9.14	3.96	12.92	-62.19	-54.00	-8.19	EIRP
2	132.69	-87.11	8.66	4.44	11.53	-62.48	-36.00	-26.48	EIRP
3	184.49	-89.15	10.35	4.76	12.73	-61.31	-54.00	-7.31	EIRP
4	270.38	-85.47	13.33	5.23	11.38	-55.53	-36.00	-19.53	EIRP
5	393.47	-85.75	15.41	5.80	10.09	-54.45	-36.00	-18.45	EIRP
6	631.69	-99.82	19.50	6.90	10.01	-63.41	-54.00	-9.41	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

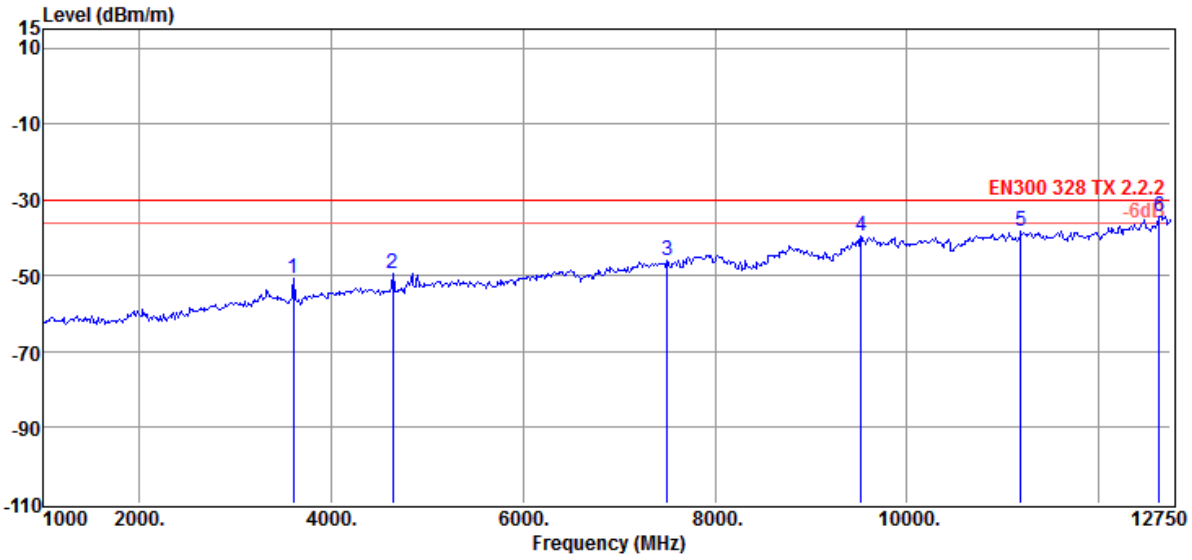
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-20	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: Tx mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1 kPa	**Antenna/Distance**	: 2019 BBHA9120D/3m/VERTICAL
Memo	: DH5 2402		



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Site Loss dB	Filter Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	4854.00	-142.90	32.30	43.47	6.19	97.91	0.00	-49.97	-30.00	-19.97	EIRP
2	7204.00	-143.97	37.12	42.91	7.79	96.10	0.00	-45.87	-30.00	-15.87	EIRP
3	8837.25	-141.80	38.37	42.62	8.61	95.66	0.00	-41.78	-30.00	-11.78	EIRP
4	10188.50	-140.25	39.76	42.39	9.36	93.89	0.00	-39.63	-30.00	-9.63	EIRP
5	11375.25	-138.45	39.87	42.33	9.77	92.99	0.00	-38.15	-30.00	-8.15	EIRP
6	12632.50	-134.01	38.86	41.63	10.64	91.39	0.00	-34.75	-30.00	-4.75	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

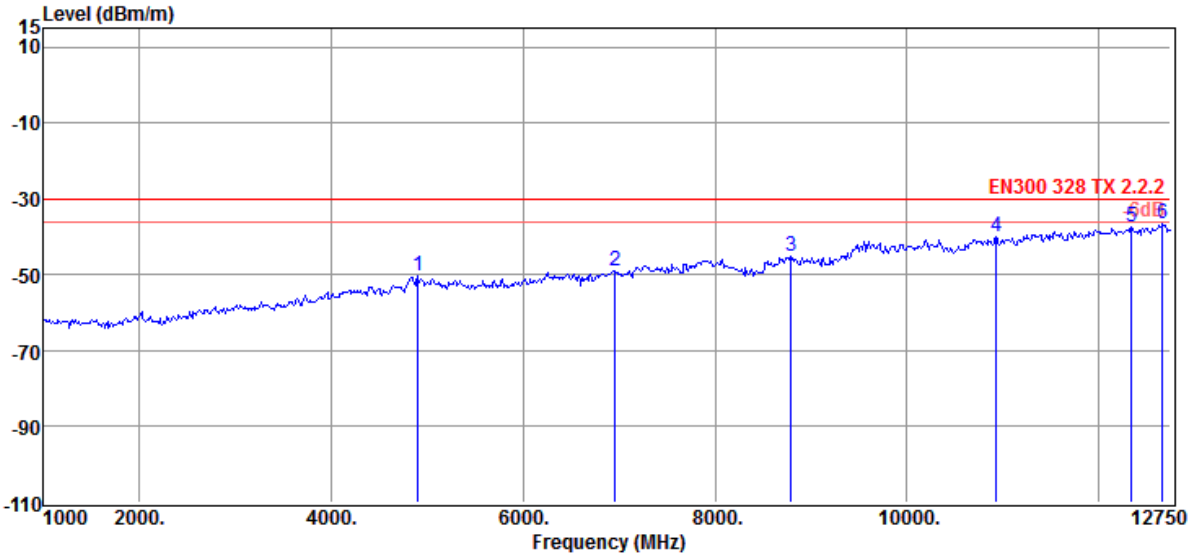
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-20	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: Tx mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1 kPa	**Antenna/Distance**	: 2019 BBHA9120D/3m/HORIZONTAL
Memo	: DH5 2402		



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Site Loss dB	Filter Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	3608.50	-50.74	29.58	43.68	5.27	8.68	0.00	-50.89	-30.00	-20.89	EIRP
2	4642.50	-51.96	32.00	43.54	6.06	7.82	0.00	-49.62	-30.00	-19.62	EIRP
3	7497.75	-55.77	37.30	42.87	8.12	7.34	0.00	-45.88	-30.00	-15.88	EIRP
4	9518.75	-56.57	39.11	42.49	9.00	11.36	0.00	-39.59	-30.00	-9.59	EIRP
5	11187.25	-56.67	40.14	42.34	9.53	10.95	0.00	-38.39	-30.00	-8.39	EIRP
6	12632.50	-56.54	38.86	41.63	10.64	14.26	0.00	-34.41	-30.00	-4.41	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

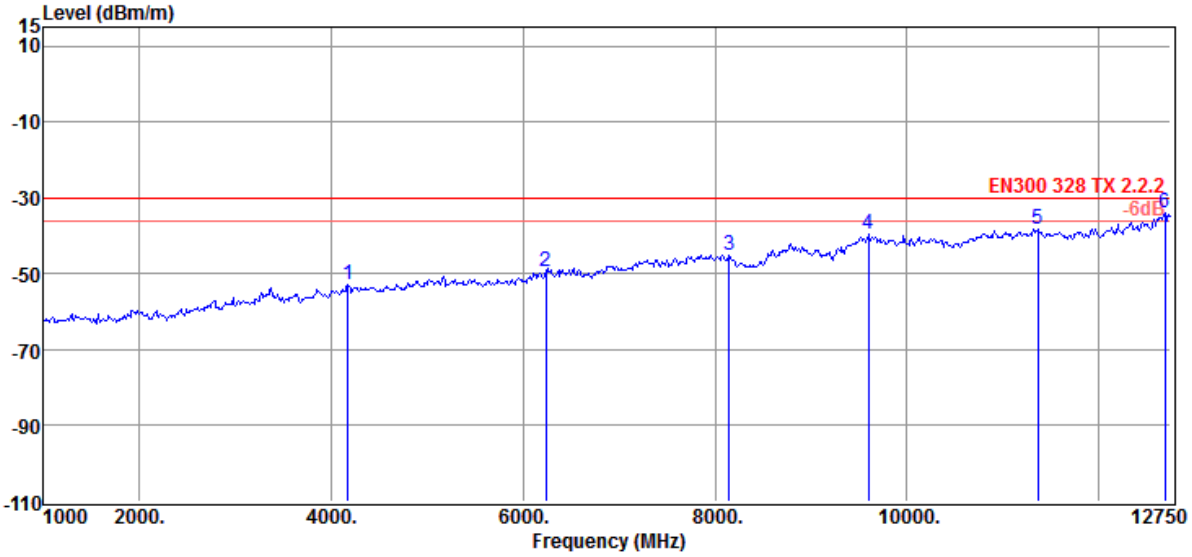
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-20	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: Tx mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1 kPa	**Antenna/Distance**	: 2019 BBHA9120D/3m/VERTICAL
Memo	: DH5 2480		



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Site Loss dB	Filter Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	4901.00	-54.42	32.36	43.45	6.21	8.97	0.00	-50.33	-30.00	-20.33	EIRP
2	6957.25	-56.92	36.85	42.95	7.53	6.65	0.00	-48.84	-30.00	-18.84	EIRP
3	8790.25	-59.29	38.28	42.63	8.62	9.68	0.00	-45.34	-30.00	-15.34	EIRP
4	10928.75	-57.37	40.37	42.35	9.31	10.12	0.00	-39.92	-30.00	-9.92	EIRP
5	12338.75	-57.15	38.76	41.94	10.60	12.27	0.00	-37.46	-30.00	-7.46	EIRP
6	12667.75	-57.63	38.94	41.60	10.64	13.26	0.00	-36.39	-30.00	-6.39	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-20	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: Tx mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2019 BBHA9120D/3m/HORIZONTAL
Memo	: DH5 2480		

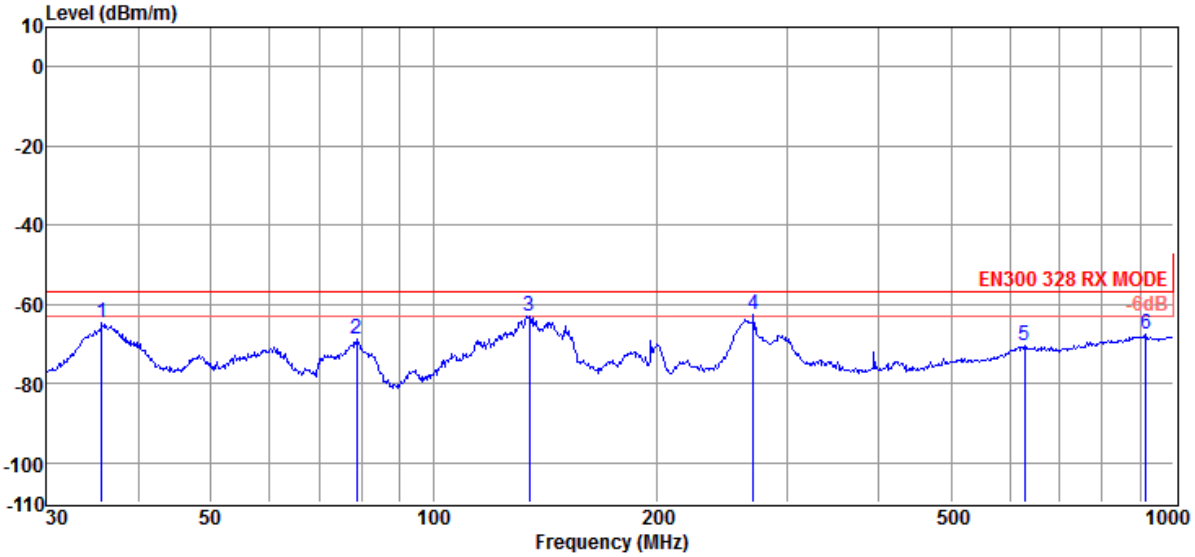


Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Site Loss dB	Filter Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	4172.50	-54.45	31.01	43.73	5.79	8.62	0.00	-52.76	-30.00	-22.76	EIRP
2	6240.50	-56.60	34.21	43.06	7.11	8.78	0.00	-49.56	-30.00	-19.56	EIRP
3	8144.00	-56.19	37.91	42.77	8.68	7.42	0.00	-44.95	-30.00	-14.95	EIRP
4	9601.00	-57.03	39.18	42.47	9.07	11.51	0.00	-39.74	-30.00	-9.74	EIRP
5	11363.50	-56.51	39.89	42.33	9.75	10.84	0.00	-38.36	-30.00	-8.36	EIRP
6	12691.25	-56.85	38.98	41.57	10.65	14.67	0.00	-34.12	-30.00	-4.12	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

10 Appendix A.10: Test Plots of Receiver Spurious Emission

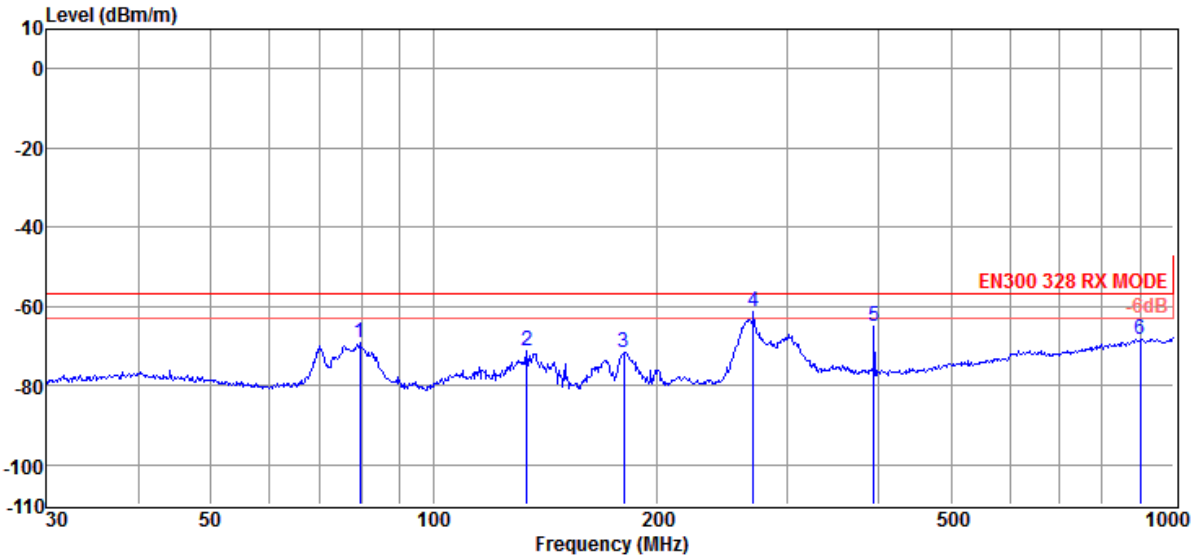
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-21	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: RX Mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1 kPa	**Antenna/Distance**	: 2019 VULB 9163 2#/3m/VERTICAL
Memo	: DH5 2402		



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Site Loss Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	35.62	-96.47	13.57	3.67	14.49	-64.74	-57.00	-7.74	EIRP
2	78.69	-94.50	8.75	4.03	12.85	-68.87	-57.00	-11.87	EIRP
3	134.56	-89.06	8.57	4.45	13.01	-63.03	-57.00	-6.03	EIRP
4	270.38	-92.37	13.33	5.23	11.11	-62.70	-57.00	-5.70	EIRP
5	629.48	-107.10	19.49	6.89	10.28	-70.44	-57.00	-13.44	EIRP
6	916.07	-107.28	22.22	7.98	9.65	-67.43	-57.00	-10.43	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

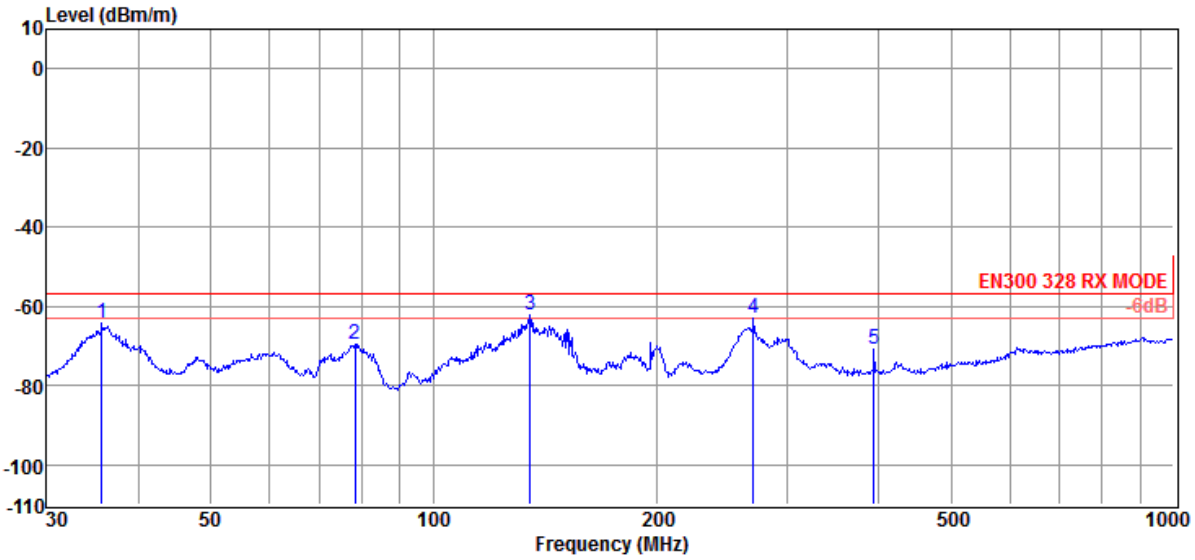
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-21	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: RX Mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1 kPa	**Antenna/Distance**	: 2019 VULB 9163 2#/3m/HORIZONTAL
Memo	: DH5 2402		



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Site Loss Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	79.52	-94.20	8.72	4.04	12.23	-69.21	-57.00	-12.21	EIRP
2	133.62	-95.63	8.61	4.45	11.53	-71.04	-57.00	-14.04	EIRP
3	180.65	-99.10	9.88	4.73	12.73	-71.76	-57.00	-14.76	EIRP
4	270.38	-91.19	13.33	5.23	11.38	-61.25	-57.00	-4.25	EIRP
5	393.47	-96.38	15.41	5.80	10.09	-65.08	-57.00	-8.08	EIRP
6	900.15	-108.13	22.10	7.92	9.82	-68.29	-57.00	-11.29	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

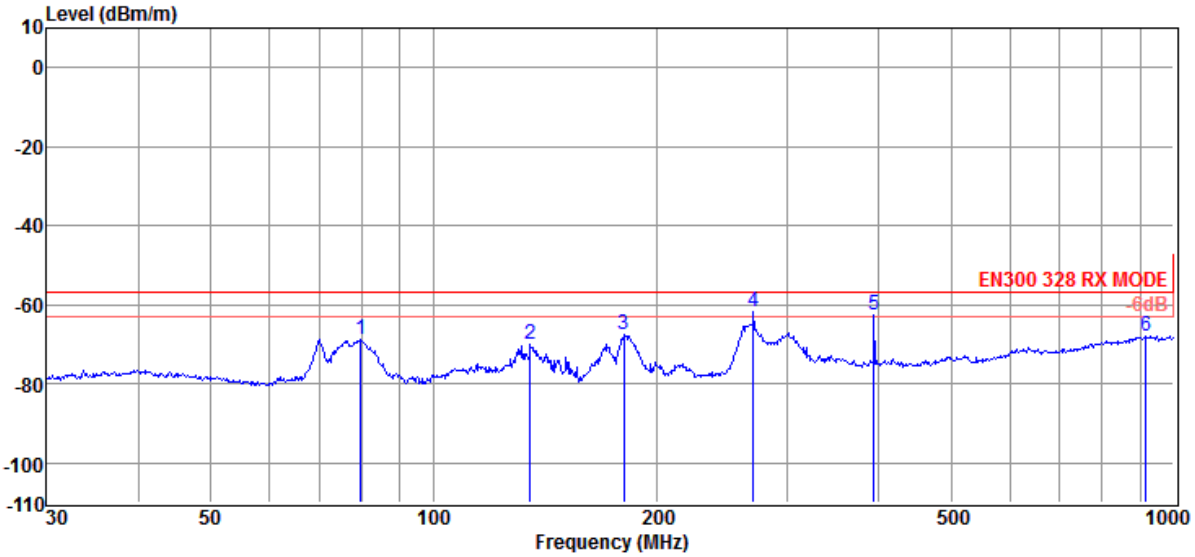
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-21	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: RX Mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1 kPa	**Antenna/Distance**	: 2019 VULB 9163 2#/3m/VERTICAL
Memo	: DH5 2480		



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Site Loss Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	35.62	-96.00	13.57	3.67	14.49	-64.27	-57.00	-7.27	EIRP
2	78.41	-95.15	8.76	4.03	12.85	-69.51	-57.00	-12.51	EIRP
3	135.03	-88.03	8.54	4.46	13.01	-62.02	-57.00	-5.02	EIRP
4	270.38	-92.68	13.33	5.23	11.11	-63.01	-57.00	-6.01	EIRP
5	393.47	-102.24	15.41	5.80	10.23	-70.80	-57.00	-13.80	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

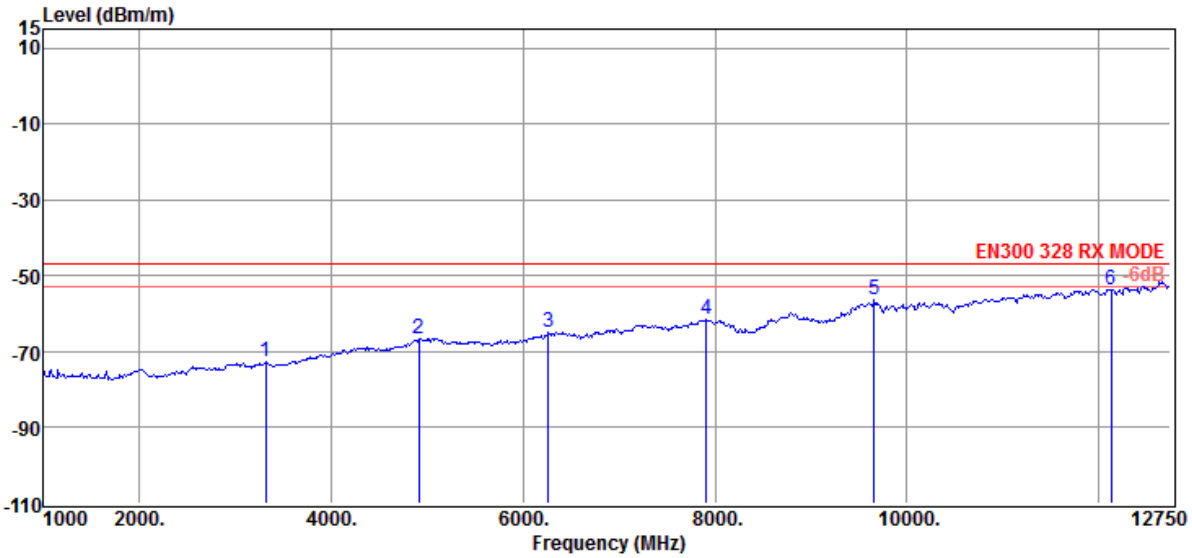
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-21	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: RX Mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1 kPa	**Antenna/Distance**	: 2019 VULB 9163 2#/3m/HORIZONTAL
Memo	: DH5 2480		



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Site Loss Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	79.80	-93.69	8.71	4.04	12.23	-68.71	-57.00	-11.71	EIRP
2	135.03	-94.56	8.54	4.46	11.53	-70.03	-57.00	-13.03	EIRP
3	180.65	-94.88	9.88	4.73	12.73	-67.54	-57.00	-10.54	EIRP
4	270.38	-91.76	13.33	5.23	11.38	-61.82	-57.00	-4.82	EIRP
5	393.47	-93.98	15.41	5.80	10.09	-62.68	-57.00	-5.68	EIRP
6	916.07	-107.97	22.22	7.98	9.73	-68.04	-57.00	-11.04	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

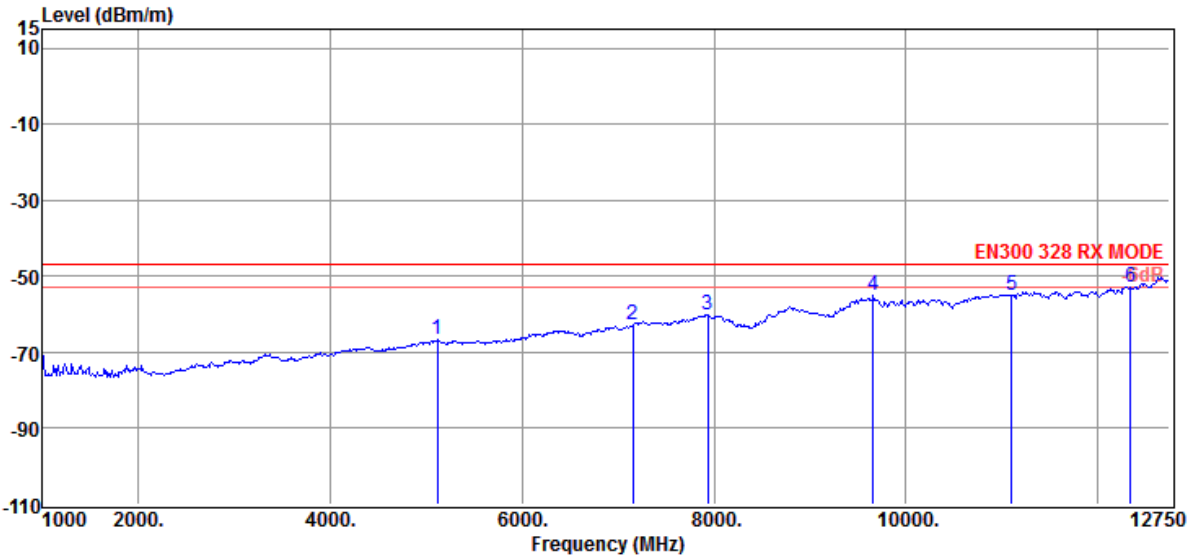
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-20	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: Rx mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1 kPa	**Antenna/Distance**	: 2019 BBHA9120D/3m/VERTICAL
Memo	: DH5 2402		



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Site Loss dB	Filter Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	3314.75	-72.02	29.23	43.58	4.96	8.59	0.00	-72.82	-47.00	-25.82	EIRP
2	4912.75	-70.71	32.38	43.45	6.22	8.94	0.00	-66.62	-47.00	-19.62	EIRP
3	6264.00	-71.86	34.31	43.06	7.13	8.50	0.00	-64.98	-47.00	-17.98	EIRP
4	7909.00	-72.98	37.87	42.81	8.59	7.71	0.00	-61.62	-47.00	-14.62	EIRP
5	9659.75	-72.37	39.23	42.46	9.11	10.07	0.00	-56.42	-47.00	-9.42	EIRP
6	12127.25	-72.59	38.97	42.16	10.57	11.65	0.00	-53.56	-47.00	-6.56	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

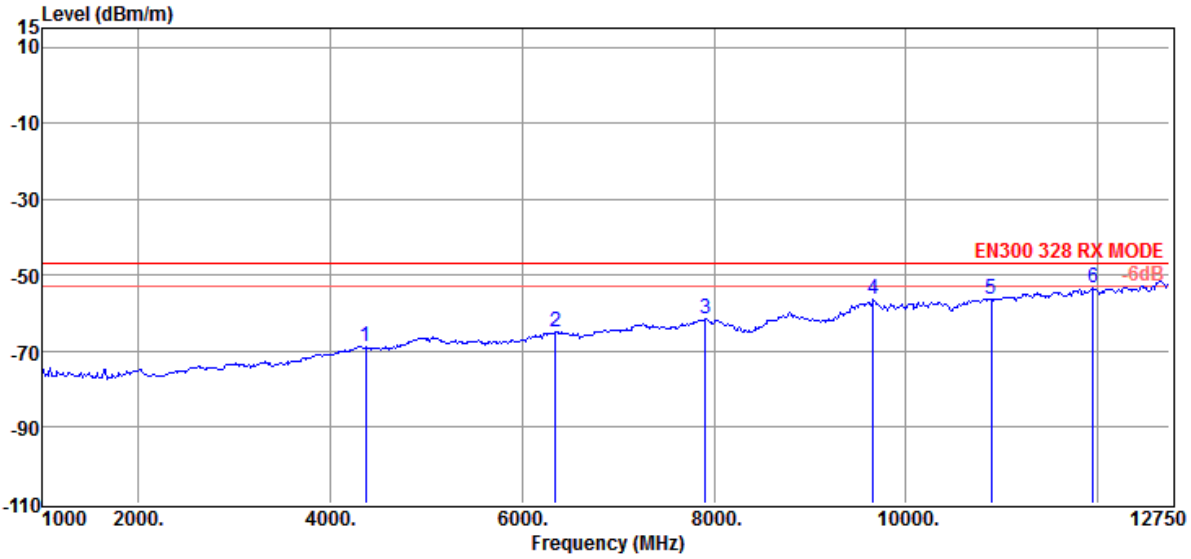
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-20	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: Rx mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1 kPa	**Antenna/Distance**	: 2019 BBHA9120D/3m/HORIZONTAL
Memo	: DH5 2402		



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Site Loss dB	Filter Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	5112.50	-70.67	32.55	43.38	6.35	8.32	0.00	-66.83	-47.00	-19.83	EIRP
2	7157.00	-72.29	37.09	42.92	7.74	7.55	0.00	-62.83	-47.00	-15.83	EIRP
3	7932.50	-72.53	37.91	42.81	8.61	8.57	0.00	-60.25	-47.00	-13.25	EIRP
4	9659.75	-72.22	39.23	42.46	9.11	11.23	0.00	-55.11	-47.00	-8.11	EIRP
5	11105.00	-73.17	40.25	42.34	9.43	11.00	0.00	-54.83	-47.00	-7.83	EIRP
6	12338.75	-72.90	38.76	41.94	10.60	12.52	0.00	-52.96	-47.00	-5.96	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

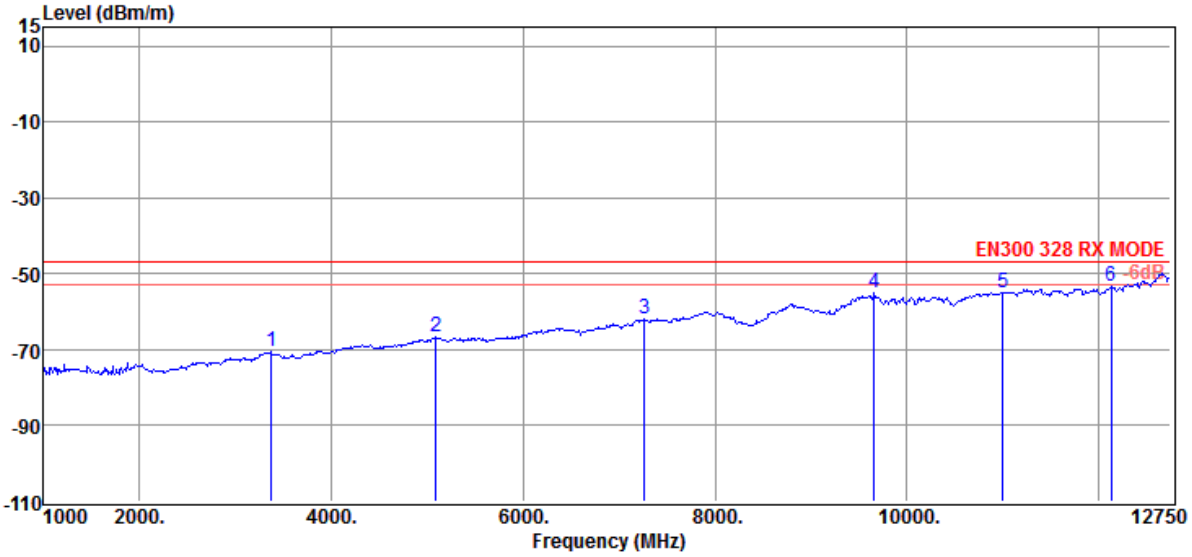
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-20	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: Rx mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1 kPa	**Antenna/Distance**	: 2019 BBHA9120D/3m/VERTICAL
Memo	: DH5 2480		



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Site Loss dB	Filter Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	4372.25	-71.05	31.49	43.65	5.91	8.50	0.00	-68.80	-47.00	-21.80	EIRP
2	6346.25	-72.06	34.65	43.04	7.17	8.42	0.00	-64.86	-47.00	-17.86	EIRP
3	7909.00	-72.83	37.87	42.81	8.59	7.71	0.00	-61.47	-47.00	-14.47	EIRP
4	9659.75	-72.42	39.23	42.46	9.11	10.07	0.00	-56.47	-47.00	-9.47	EIRP
5	10893.50	-73.56	40.36	42.35	9.31	10.08	0.00	-56.16	-47.00	-9.16	EIRP
6	11951.00	-71.99	39.16	42.30	10.49	11.19	0.00	-53.45	-47.00	-6.45	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-20	**Tested By**	: Jacky
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: Rx mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1 kPa	**Antenna/Distance**	: 2019 BBHA9120D/3m/HORIZONTAL
Memo	: DH5 2480		



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Site Loss dB	Filter Factor dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	3373.50	-71.97	29.25	43.60	5.02	10.65	0.00	-70.65	-47.00	-23.65	EIRP
2	5089.00	-70.65	32.54	43.38	6.33	8.41	0.00	-66.75	-47.00	-19.75	EIRP
3	7262.75	-72.12	37.16	42.90	7.86	7.93	0.00	-62.07	-47.00	-15.07	EIRP
4	9659.75	-72.26	39.23	42.46	9.11	11.23	0.00	-55.15	-47.00	-8.15	EIRP
5	10999.25	-73.28	40.40	42.35	9.30	11.06	0.00	-54.87	-47.00	-7.87	EIRP
6	12127.25	-72.12	38.97	42.16	10.57	11.29	0.00	-53.45	-47.00	-6.45	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor + Site Loss Factor.
2. Below 1 GHz test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.
3. Above 1 GHz test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

11 Appendix A.11: Test Plots of Flicker

Flicker Emission - IEC 61000-3-3 , EN 61000-3-3

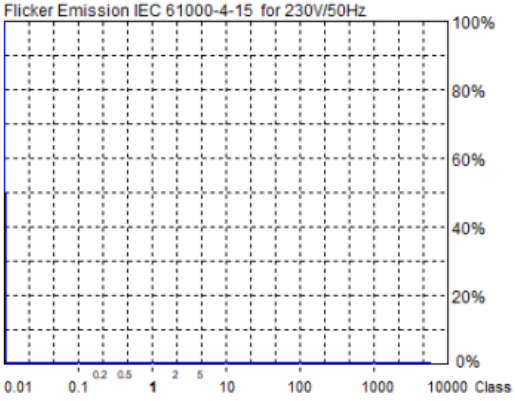
Comply: IEC 61000-3-3 Ed.3 - IEC 61000-4-15 Ed.2

Ambient Condition: 22.5℃, 52.8%RH, 101.4kPa

HARCS Setup File : unnamed
HARCS Report File : unnamed

Operator	Elosky Liu
Unit	R2000DB
Serial Number	R2000DB
Test Mode	BT mode

Flicker Emission IEC 61000-4-15 for 230V/50Hz



Actual Flicker (Fli):	**0.00**
Short-term Flicker (Pst):	**0.07**
Limit (Pst):	1.00
Long-term Flicker (Plt):	**0.07**
Limit (Plt):	0.65
Maximum Relative Volt. Change (dmax):	**0.00%**
Limit (dmax):	4.00%
Relative Steady-state Voltage Change (dc):	**0.00%**
Limit (dc):	3.30%
Tmax 3.30% (dt):	**0.00ms**
Limit (dt>Lim):	500ms

Flicker Emission - IEC 61000-3-3 , EN 61000-3-3

2021/1/26 11:31:29

Urms =	231.7	V	P =	7.215	W
Irms =	0.088	A	pf =	0.354	

Range: 0.5 A
V-nom: 230 V
TestTime: 10 min (100%)

Test completed, Result: PASSED

HAR-1000 EMC-Partner

Full Bar : Actual Values
Empty Bar : Maximum Values
Circles : Average Values
Blue : Current , Green : Voltage , Red : Failed

Measurement

```
Ambient Condition: 22.5℃, 52.8%RH, 101.4kPa Date : 2021/1/26
11:31:29 V5.0

File :

Operator                    Elosky Liu
Unit                        R2000DB
Serial Number               R2000DB
Test Mode                   BT mode

Urms =  231.7V  Freq =  50.000  Range:  0.5 A
Irms =  0.088A  Ipk  =  0.370A  cf    =  4.208
P    =  7.215W  S    =  20.36VA pf    =  0.354

Test - Time :   1 x 10min = 10min      ( 100 %)

LIN (Line Impedance Network) :  L: 0.24ohm +j0.15ohm N: 0.16ohm
+j0.10ohm

Limits :        Plt  :  0.65    Pst   : 1.00
                dmax :  4.00 %  dc    : 3.30 %
                dtLim:  3.30 %  dt>Lim: 500ms

Test completed, Result: PASSED

        dmax
        [%]
1       0.000
```

Flicker Emission - IEC 61000-3-3 , EN 61000-3-3

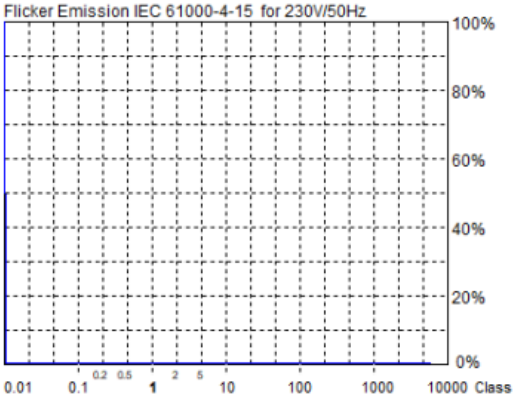
Comply: IEC 61000-3-3 Ed.3 - IEC 61000-4-15 Ed.2

Ambient Condition: 22.5℃, 52.8%RH, 101.4kPa

HARCS Setup File : unnamed
HARCS Report File : unnamed

Operator	Elosky Liu
Unit	R2000DB
Serial Number	R2000DB
Test Mode	OPT mode

Flicker Emission IEC 61000-4-15 for 230V/50Hz



Actual Flicker (Fli):	**0.00**
Short-term Flicker (Pst):	**0.07**
Limit (Pst):	1.00
Long-term Flicker (Plt):	**0.07**
Limit (Plt):	0.65
Maximum Relative Volt. Change (dmax):	**0.00%**
Limit (dmax):	4.00%
Relative Steady-state Voltage Change (dc):	**0.00%**
Limit (dc):	3.30%
Tmax 3.30% (dt):	**0.00ms**
Limit (dt>Lim):	500ms

Flicker Emission - IEC 61000-3-3 , EN 61000-3-3

2021/1/26 11:46:05

Urms =	231.5	V	P =	7.240	W
Irms =	0.088	A	pf =	0.354	

Range:	0.5 A
V-nom:	230 V
TestTime:	10 min (100%)

Test completed, Result: PASSED

HAR-1000 EMC-Partner

Full Bar : Actual Values
Empty Bar : Maximum Values
Circles : Average Values
Blue : Current , Green : Voltage , Red : Failed

Measurement

```
Ambient Condition: 22.5℃, 52.8%RH, 101.4kPa Date : 2021/1/26
11:46:05 V5.0

File :

Operator                    Elosky Liu
Unit                        R2000DB
Serial Number               R2000DB
Test Mode                   OPT mode

Urms =  231.5V  Freq =  49.987  Range:  0.5 A
Irms =  0.088A  Ipk  =  0.375A  cf    =  4.243
P    =  7.240W  S    =  20.46VA pf    =  0.354

Test - Time :   1 x 10min = 10min      ( 100 %)

LIN (Line Impedance Network) :  L: 0.24ohm +j0.15ohm N: 0.16ohm
+j0.10ohm

Limits :        Plt  :  0.65    Pst   : 1.00
                dmax :  4.00 %  dc    : 3.30 %
                dtLim:  3.30 %  dt>Lim: 500ms

Test completed, Result: PASSED

        dmax
        [%]
1       0.000
```

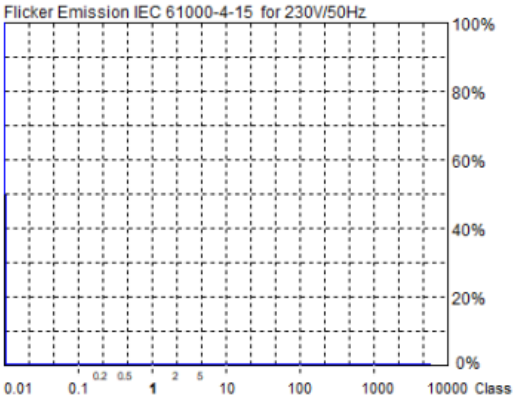
Flicker Emission - IEC 61000-3-3 , EN 61000-3-3

Comply: IEC 61000-3-3 Ed.3 - IEC 61000-4-15 Ed.2

Ambient Condition: 22.5℃, 52.8%RH, 101.4kPa

HARCS Setup File : unnamed
HARCS Report File : unnamed

Operator	Elosky Liu
Unit	R2000DB
Serial Number	R2000DB
Test Mode	LINE IN 1 mode



Actual Flicker (Fli):	**0.00**
Short-term Flicker (Pst):	**0.07**
Limit (Pst):	1.00
Long-term Flicker (Plt):	**0.07**
Limit (Plt):	0.65
Maximum Relative Volt. Change (dmax):	**0.00%**
Limit (dmax):	4.00%
Relative Steady-state Voltage Change (dc):	**0.00%**
Limit (dc):	3.30%
Tmax 3.30% (dt):	**0.00ms**
Limit (dt>Lim):	500ms

Flicker Emission - IEC 61000-3-3 , EN 61000-3-3

2021/1/26 11:57:35

Urms =	231.7	V	P =	7.240	W
Irms =	0.089	A	pf =	0.353	

Range:	0.5 A
V-nom:	230 V
TestTime:	10 min (100%)

Test completed, Result: PASSED

HAR-1000 EMC-Partner

Full Bar : Actual Values
Empty Bar : Maximum Values
Circles : Average Values
Blue : Current , Green : Voltage , Red : Failed

Measurement

```
Ambient Condition: 22.5℃, 52.8%RH, 101.4kPa Date : 2021/1/26
11:57:35 V5.0

File :

Operator                        Elosky Liu
Unit                            R2000DB
Serial Number                   R2000DB
Test Mode                       LINE IN 1 mode

Urms =  231.7V  Freq =  50.000  Range:  0.5 A
Irms =  0.089A  Ipk  =  0.378A  cf    =  4.262
P    =  7.240W  S    =  20.53VA pf    =  0.353

Test - Time :   1 x 10min = 10min       ( 100 %)

LIN (Line Impedance Network) :  L: 0.24ohm +j0.15ohm N: 0.16ohm
+j0.10ohm

Limits :        Plt  :  0.65    Pst   : 1.00
                dmax :  4.00 %  dc    : 3.30 %
                dtLim:  3.30 %  dt>Lim: 500ms

Test completed, Result: PASSED

        dmax
        [%]
1       0.000
```

Flicker Emission - IEC 61000-3-3 , EN 61000-3-3

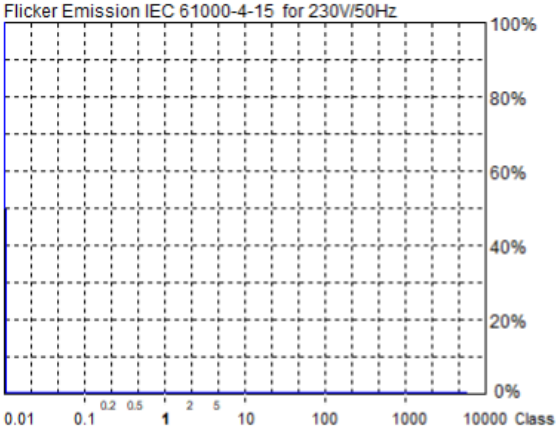
Comply: IEC 61000-3-3 Ed.3 - IEC 61000-4-15 Ed.2

Ambient Condition: 22.5℃, 52.8%RH, 101.4kPa

HARCS Setup File : unnamed
HARCS Report File : unnamed

Operator	Elosky Liu
Unit	R2000DB
Serial Number	R2000DB
Test Mode	LINE IN 2 mode

Flicker Emission IEC 61000-4-15 for 230V/50Hz



Actual Flicker (Fli):	**0.00**
Short-term Flicker (Pst):	**0.07**
Limit (Pst):	1.00
Long-term Flicker (Plt):	**0.07**
Limit (Plt):	0.65
Maximum Relative Volt. Change (dmax):	**0.00%**
Limit (dmax):	4.00%
Relative Steady-state Voltage Change (dc):	**0.00%**
Limit (dc):	3.30%
Tmax 3.30% (dt):	**0.00ms**
Limit (dt>Lim):	500ms

Flicker Emission - IEC 61000-3-3 , EN 61000-3-3

2021/1/26 12:14:17

Urms =	231.5	V	P =	7.240	W
Irms =	0.089	A	pf =	0.352	

Range:	0.5 A
V-nom:	230 V
TestTime:	10 min (100%)

Test completed, Result: PASSED

HAR-1000 EMC-Partner

Full Bar : Actual Values
Empty Bar : Maximum Values
Circles : Average Values
Blue : Current , Green : Voltage , Red : Failed

Measurement

```
Ambient Condition: 22.5℃, 52.8%RH, 101.4kPa Date : 2021/1/26
12:14:17 V5.0

File :

Operator                        Elosky Liu
Unit                            R2000DB
Serial Number                   R2000DB
Test Mode                       LINE IN 2 mode

Urms =  231.5V  Freq =  49.987  Range:  0.5 A
Irms =  0.089A  Ipk  =  0.380A  cf    =  4.272
P    =  7.240W  S    =  20.57VA pf    =  0.352

Test - Time :   1 x 10min = 10min       ( 100 %)

LIN (Line Impedance Network) :  L: 0.24ohm +j0.15ohm N: 0.16ohm
+j0.10ohm

Limits :        Plt  :  0.65    Pst   : 1.00
                dmax :  4.00 %  dc    : 3.30 %
                dtLim:  3.30 %  dt>Lim: 500ms

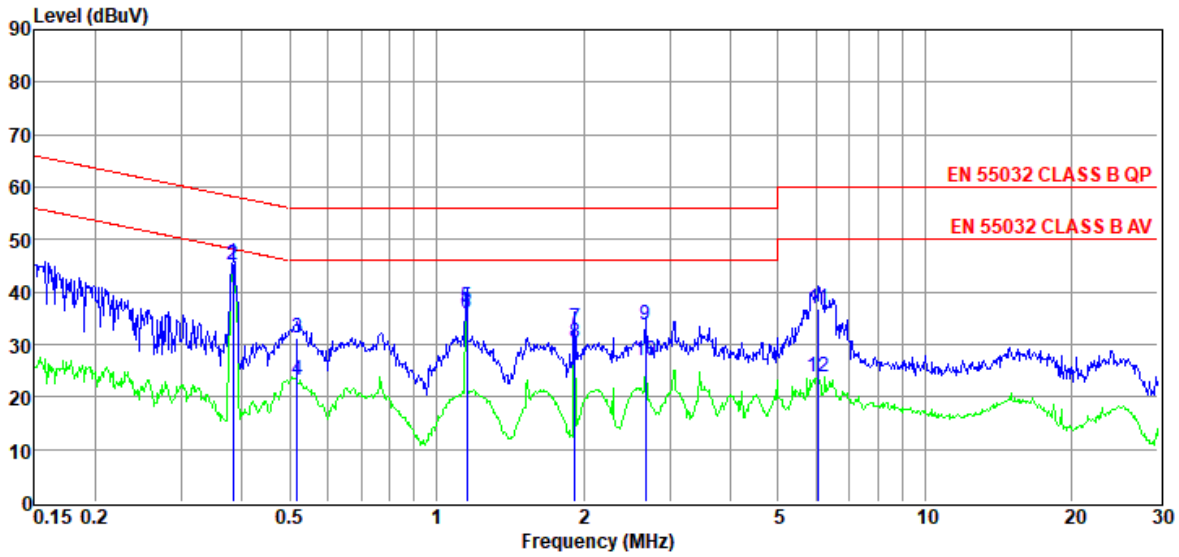
Test completed, Result: PASSED

        dmax
        [%]
1       0.000
```

12 Appendix A.12: Test Plots of Conducted Emission

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: LINE IN 2 mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/LINE
Memo	:		

Data: 15

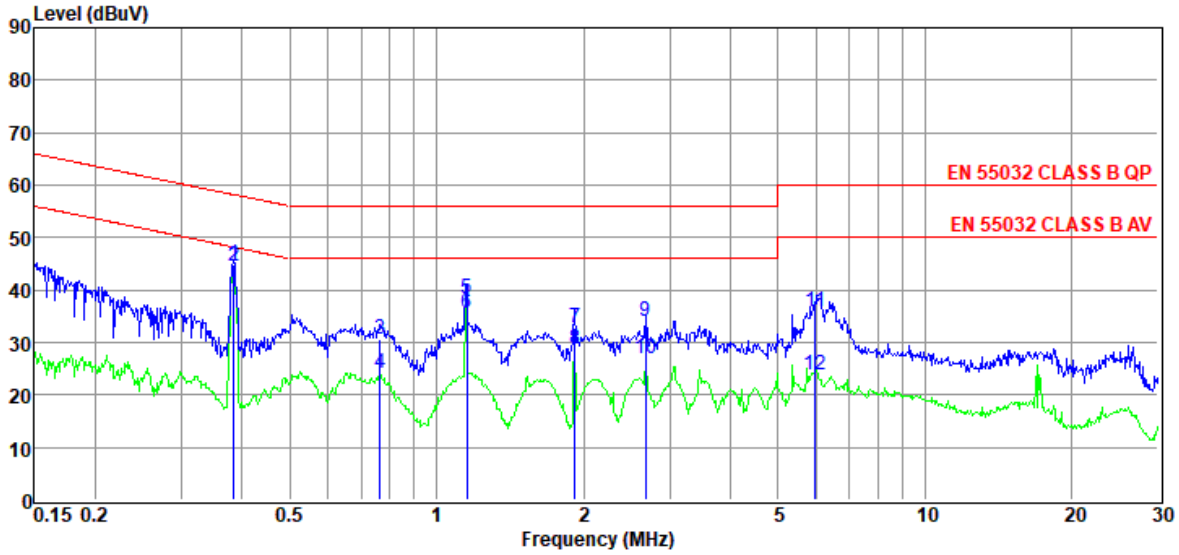


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.38	26.00	9.44	0.02	10.01	45.47	58.21	-12.74	QP	LINE
2	0.38	25.70	9.44	0.02	10.01	45.17	48.21	-3.04	Average	LINE
3	0.52	11.61	9.45	0.02	10.01	31.09	56.00	-24.91	QP	LINE
4	0.52	3.73	9.45	0.02	10.01	23.21	46.00	-22.79	Average	LINE
5	1.15	17.50	9.43	0.03	10.01	36.97	56.00	-19.03	QP	LINE
6	1.15	16.42	9.43	0.03	10.01	35.89	46.00	-10.11	Average	LINE
7	1.92	13.73	9.43	0.05	10.01	33.22	56.00	-22.78	QP	LINE
8	1.92	10.85	9.43	0.05	10.01	30.34	46.00	-15.66	Average	LINE
9	2.68	14.05	9.44	0.06	10.01	33.56	56.00	-22.44	QP	LINE
10	2.68	7.45	9.44	0.06	10.01	26.96	46.00	-19.04	Average	LINE
11	6.06	17.20	9.52	0.09	10.01	36.82	60.00	-23.18	QP	LINE
12	6.06	4.20	9.52	0.09	10.01	23.82	50.00	-26.18	Average	LINE

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: LINE IN 2 mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/NEUTRAL
Memo	:		

Data: 17

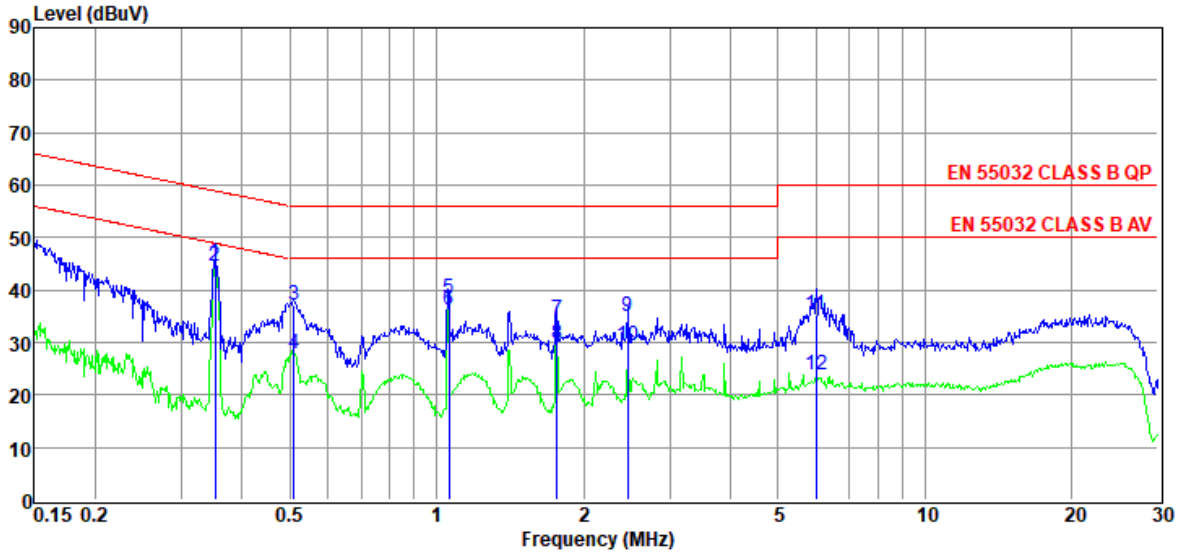


Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBµV)	(dB)	(dB)	(dB)	(dBµV)	(dBµV)	(dB)		
1	0.38	25.53	9.39	0.02	10.01	44.95	58.19	-13.24	QP	NEUTRAL
2	0.38	25.13	9.39	0.02	10.01	44.55	48.19	-3.64	Average	NEUTRAL
3	0.77	11.32	9.40	0.03	10.01	30.76	56.00	-25.24	QP	NEUTRAL
4	0.77	4.56	9.40	0.03	10.01	24.00	46.00	-22.00	Average	NEUTRAL
5	1.15	18.95	9.41	0.03	10.01	38.40	56.00	-17.60	QP	NEUTRAL
6	1.15	16.24	9.41	0.03	10.01	35.69	46.00	-10.31	Average	NEUTRAL
7	1.92	13.40	9.41	0.05	10.01	32.87	56.00	-23.13	QP	NEUTRAL
8	1.92	9.32	9.41	0.05	10.01	28.79	46.00	-17.21	Average	NEUTRAL
9	2.68	14.40	9.42	0.06	10.01	33.89	56.00	-22.11	QP	NEUTRAL
10	2.68	7.46	9.42	0.06	10.01	26.95	46.00	-19.05	Average	NEUTRAL
11	5.96	16.26	9.50	0.09	10.01	35.86	60.00	-24.14	QP	NEUTRAL
12	5.96	4.20	9.50	0.09	10.01	23.80	50.00	-26.20	Average	NEUTRAL

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: OPT mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/NEUTRAL
Memo	:		

Data: 19

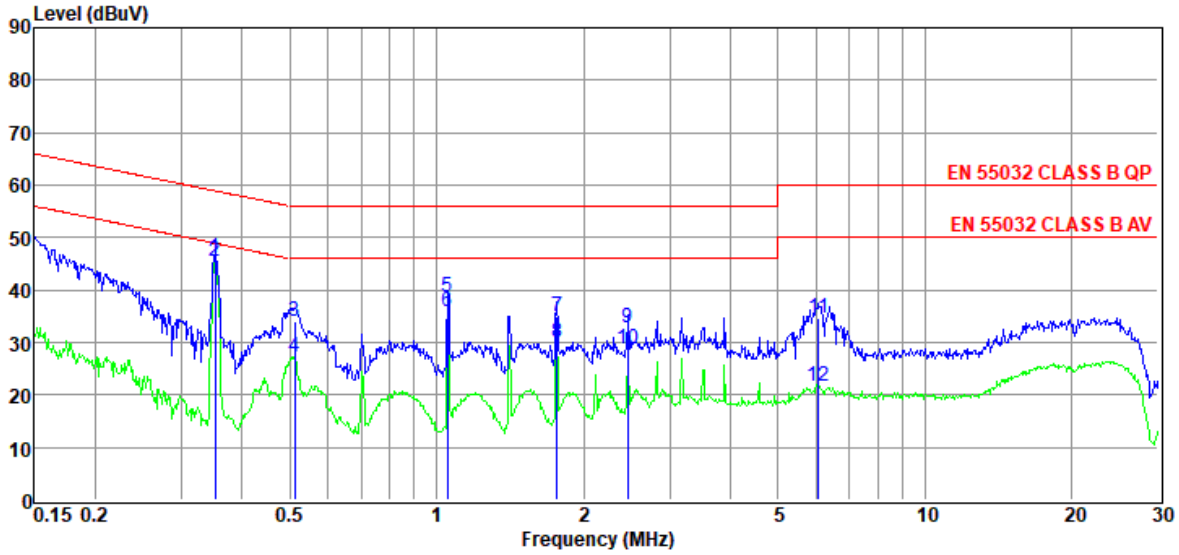


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.35	25.80	9.39	0.02	10.01	45.22	58.91	-13.69	QP	NEUTRAL
2	0.35	25.14	9.39	0.02	10.01	44.56	48.91	-4.35	Average	NEUTRAL
3	0.51	17.63	9.40	0.02	10.01	37.06	56.00	-18.94	QP	NEUTRAL
4	0.51	8.51	9.40	0.02	10.01	27.94	46.00	-18.06	Average	NEUTRAL
5	1.06	19.00	9.41	0.03	10.01	38.45	56.00	-17.55	QP	NEUTRAL
6	1.06	16.84	9.41	0.03	10.01	36.29	46.00	-9.71	Average	NEUTRAL
7	1.76	14.83	9.41	0.05	10.01	34.30	56.00	-21.70	QP	NEUTRAL
8	1.76	10.09	9.41	0.05	10.01	29.56	46.00	-16.44	Average	NEUTRAL
9	2.46	15.42	9.42	0.06	10.01	34.91	56.00	-21.09	QP	NEUTRAL
10	2.46	9.74	9.42	0.06	10.01	29.23	46.00	-16.77	Average	NEUTRAL
11	5.99	15.78	9.50	0.09	10.01	35.38	60.00	-24.62	QP	NEUTRAL
12	5.99	4.13	9.50	0.09	10.01	23.73	50.00	-26.27	Average	NEUTRAL

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: OPT mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/LINE
Memo	:		

Data: 21

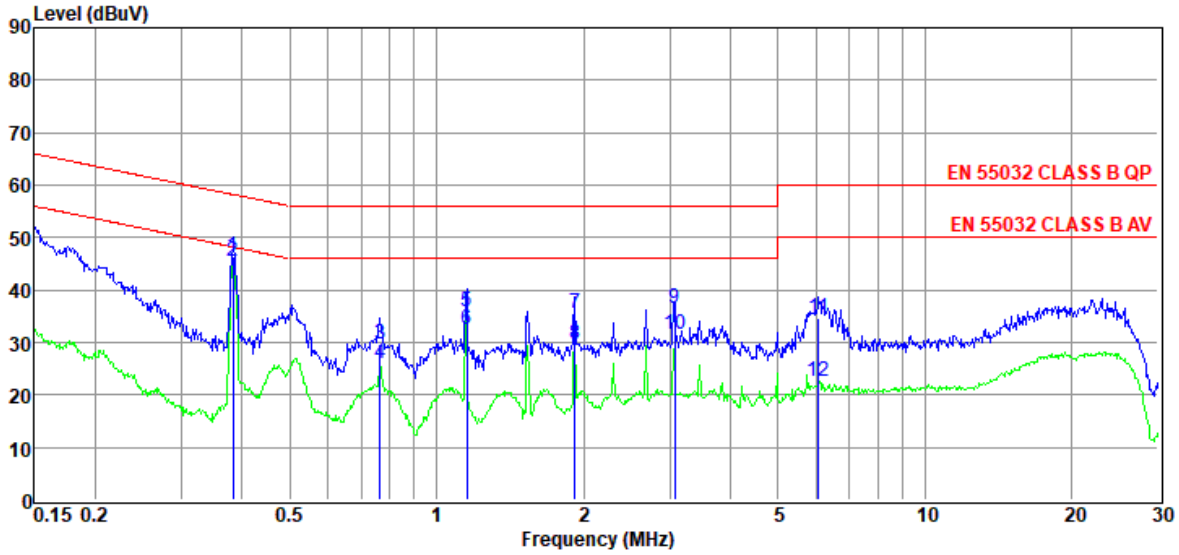


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.35	26.56	9.44	0.02	10.01	46.03	58.91	-12.88	QP	LINE
2	0.35	25.84	9.44	0.02	10.01	45.31	48.91	-3.60	Average	LINE
3	0.51	14.57	9.45	0.02	10.01	34.05	56.00	-21.95	QP	LINE
4	0.51	7.63	9.45	0.02	10.01	27.11	46.00	-18.89	Average	LINE
5	1.05	19.18	9.43	0.03	10.01	38.65	56.00	-17.35	QP	LINE
6	1.05	16.44	9.43	0.03	10.01	35.91	46.00	-10.09	Average	LINE
7	1.76	15.50	9.43	0.05	10.01	34.99	56.00	-21.01	QP	LINE
8	1.76	10.59	9.43	0.05	10.01	30.08	46.00	-15.92	Average	LINE
9	2.46	13.28	9.44	0.06	10.01	32.79	56.00	-23.21	QP	LINE
10	2.46	9.28	9.44	0.06	10.01	28.79	46.00	-17.21	Average	LINE
11	6.06	15.06	9.52	0.09	10.01	34.68	60.00	-25.32	QP	LINE
12	6.06	2.12	9.52	0.09	10.01	21.74	50.00	-28.26	Average	LINE

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: LINE IN 1 mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/LINE
Memo	:		

Data: 23

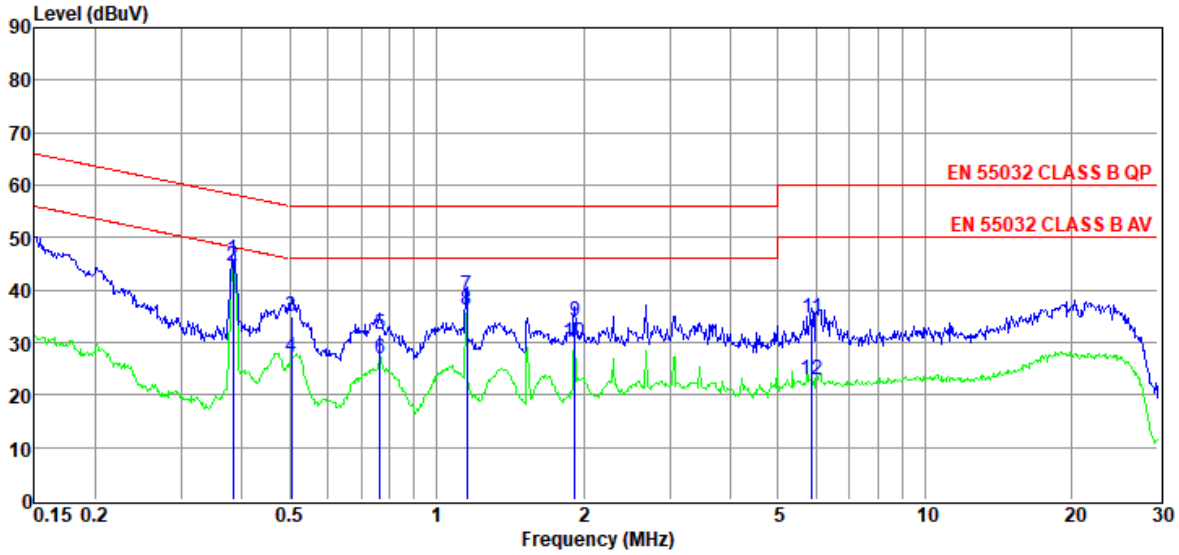


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.38	26.82	9.44	0.02	10.01	46.29	58.21	-11.92	QP	LINE
2	0.38	25.85	9.44	0.02	10.01	45.32	48.21	-2.89	Average	LINE
3	0.77	10.33	9.44	0.03	10.01	29.81	56.00	-26.19	QP	LINE
4	0.77	6.36	9.44	0.03	10.01	25.84	46.00	-20.16	Average	LINE
5	1.15	16.32	9.43	0.03	10.01	35.79	56.00	-20.21	QP	LINE
6	1.15	12.85	9.43	0.03	10.01	32.32	46.00	-13.68	Average	LINE
7	1.92	16.18	9.43	0.05	10.01	35.67	56.00	-20.33	QP	LINE
8	1.92	10.29	9.43	0.05	10.01	29.78	46.00	-16.22	Average	LINE
9	3.07	17.00	9.45	0.06	10.01	36.52	56.00	-19.48	QP	LINE
10	3.07	11.92	9.45	0.06	10.01	31.44	46.00	-14.56	Average	LINE
11	6.06	14.87	9.52	0.09	10.01	34.49	60.00	-25.51	QP	LINE
12	6.06	2.94	9.52	0.09	10.01	22.56	50.00	-27.44	Average	LINE

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: LINE IN 1 mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/NEUTRAL
Memo	:		

Data: 25

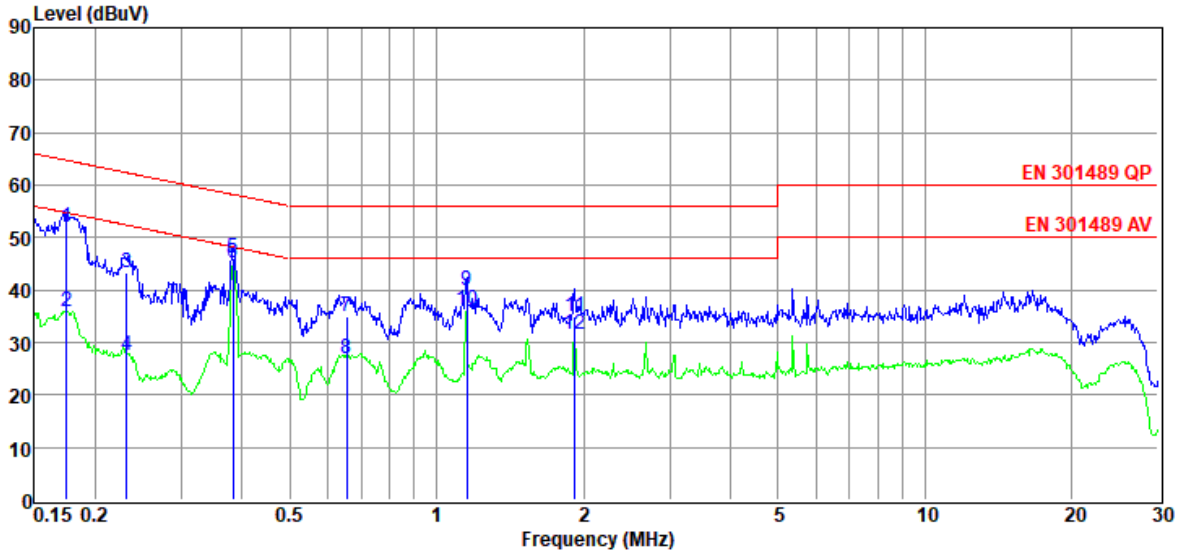


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.38	26.25	9.39	0.02	10.01	45.67	58.21	-12.54	QP	NEUTRAL
2	0.38	25.22	9.39	0.02	10.01	44.64	48.21	-3.57	Average	NEUTRAL
3	0.50	15.56	9.40	0.02	10.01	34.99	56.00	-21.01	QP	NEUTRAL
4	0.50	7.77	9.40	0.02	10.01	27.20	46.00	-18.80	Average	NEUTRAL
5	0.77	12.17	9.40	0.03	10.01	31.61	56.00	-24.39	QP	NEUTRAL
6	0.77	7.33	9.40	0.03	10.01	26.77	46.00	-19.23	Average	NEUTRAL
7	1.15	19.43	9.41	0.03	10.01	38.88	56.00	-17.12	QP	NEUTRAL
8	1.15	16.79	9.41	0.03	10.01	36.24	46.00	-9.76	Average	NEUTRAL
9	1.92	14.46	9.41	0.05	10.01	33.93	56.00	-22.07	QP	NEUTRAL
10	1.92	10.52	9.41	0.05	10.01	29.99	46.00	-16.01	Average	NEUTRAL
11	5.87	14.93	9.50	0.09	10.01	34.53	60.00	-25.47	QP	NEUTRAL
12	5.87	3.32	9.50	0.09	10.01	22.92	50.00	-27.08	Average	NEUTRAL

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: BT mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/NEUTRAL
Memo	:		

Data: 27

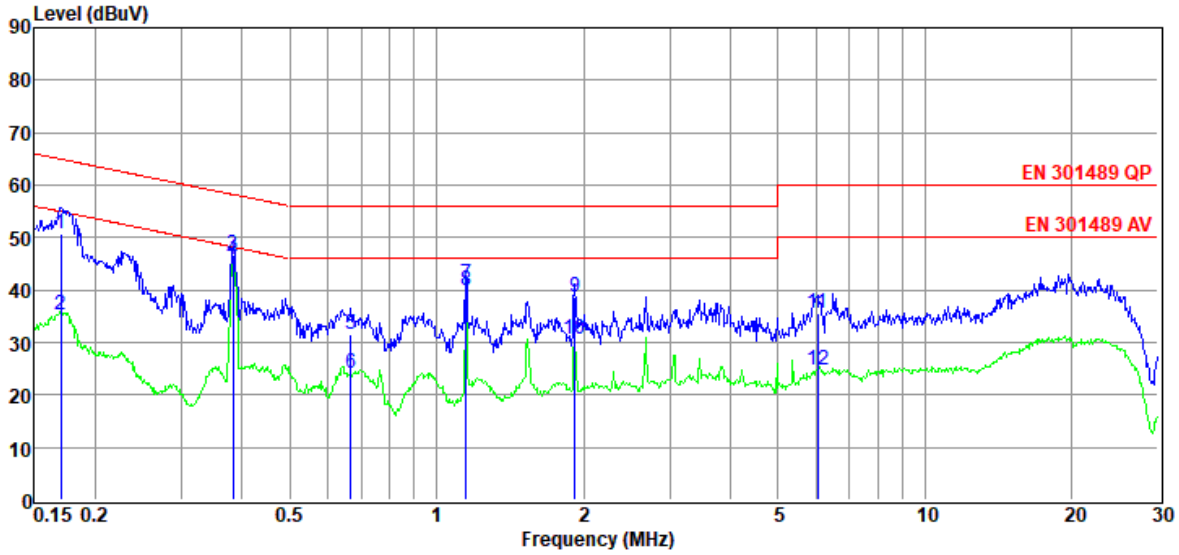


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.17	32.44	9.39	0.02	10.01	51.86	64.72	-12.86	QP	NEUTRAL
2	0.17	16.60	9.39	0.02	10.01	36.02	54.72	-18.70	Average	NEUTRAL
3	0.23	24.01	9.39	0.02	10.01	43.43	62.39	-18.96	QP	NEUTRAL
4	0.23	8.04	9.39	0.02	10.01	27.46	52.39	-24.93	Average	NEUTRAL
5	0.38	26.81	9.39	0.02	10.01	46.23	58.21	-11.98	QP	NEUTRAL
6	0.38	25.78	9.39	0.02	10.01	45.20	48.21	-3.01	Average	NEUTRAL
7	0.65	15.35	9.40	0.03	10.01	34.79	56.00	-21.21	QP	NEUTRAL
8	0.65	7.42	9.40	0.03	10.01	26.86	46.00	-19.14	Average	NEUTRAL
9	1.15	20.41	9.41	0.03	10.01	39.86	56.00	-16.14	QP	NEUTRAL
10	1.15	16.66	9.41	0.03	10.01	36.11	46.00	-9.89	Average	NEUTRAL
11	1.92	15.36	9.41	0.05	10.01	34.83	56.00	-21.17	QP	NEUTRAL
12	1.92	12.04	9.41	0.05	10.01	31.51	46.00	-14.49	Average	NEUTRAL

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: BT mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/LINE
Memo	:		

Data: 29

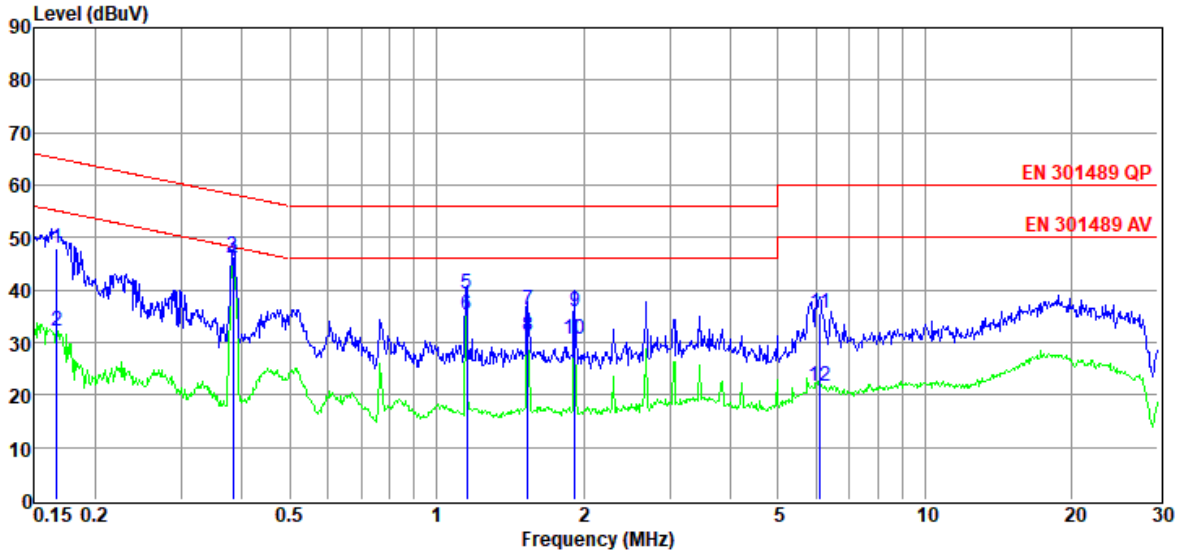


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.17	31.37	9.41	0.02	10.01	50.81	64.94	-14.13	QP	LINE
2	0.17	15.71	9.41	0.02	10.01	35.15	54.94	-19.79	Average	LINE
3	0.38	27.18	9.44	0.02	10.01	46.65	58.21	-11.56	QP	LINE
4	0.38	26.32	9.44	0.02	10.01	45.79	48.21	-2.42	Average	LINE
5	0.67	12.15	9.45	0.03	10.01	31.64	56.00	-24.36	QP	LINE
6	0.67	4.60	9.45	0.03	10.01	24.09	46.00	-21.91	Average	LINE
7	1.15	21.62	9.43	0.03	10.01	41.09	56.00	-14.91	QP	LINE
8	1.15	20.42	9.43	0.03	10.01	39.89	46.00	-6.11	Average	LINE
9	1.92	19.20	9.43	0.05	10.01	38.69	56.00	-17.31	QP	LINE
10	1.92	11.19	9.43	0.05	10.01	30.68	46.00	-15.32	Average	LINE
11	6.02	15.94	9.52	0.09	10.01	35.56	60.00	-24.44	QP	LINE
12	6.02	5.23	9.52	0.09	10.01	24.85	50.00	-25.15	Average	LINE

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: BT mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/LINE
Memo	:		

Data: 31

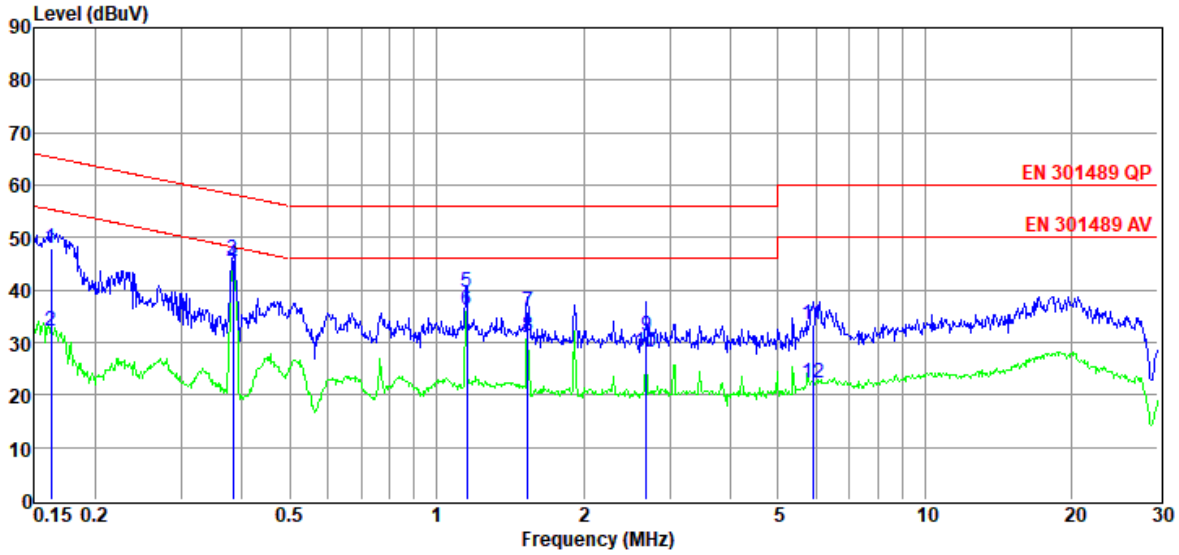


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.17	28.59	9.41	0.02	10.01	48.03	65.12	-17.09	QP	LINE
2	0.17	12.60	9.41	0.02	10.01	32.04	55.12	-23.08	Average	LINE
3	0.38	26.97	9.44	0.02	10.01	46.44	58.21	-11.77	QP	LINE
4	0.38	26.07	9.44	0.02	10.01	45.54	48.21	-2.67	Average	LINE
5	1.15	19.88	9.43	0.03	10.01	39.35	56.00	-16.65	QP	LINE
6	1.15	15.94	9.43	0.03	10.01	35.41	46.00	-10.59	Average	LINE
7	1.54	16.66	9.43	0.04	10.01	36.14	56.00	-19.86	QP	LINE
8	1.54	11.66	9.43	0.04	10.01	31.14	46.00	-14.86	Average	LINE
9	1.92	16.52	9.43	0.05	10.01	36.01	56.00	-19.99	QP	LINE
10	1.92	11.20	9.43	0.05	10.01	30.69	46.00	-15.31	Average	LINE
11	6.09	16.05	9.52	0.09	10.01	35.67	60.00	-24.33	QP	LINE
12	6.09	2.00	9.52	0.09	10.01	21.62	50.00	-28.38	Average	LINE

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: BT mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/NEUTRAL
Memo	:		

Data: 33

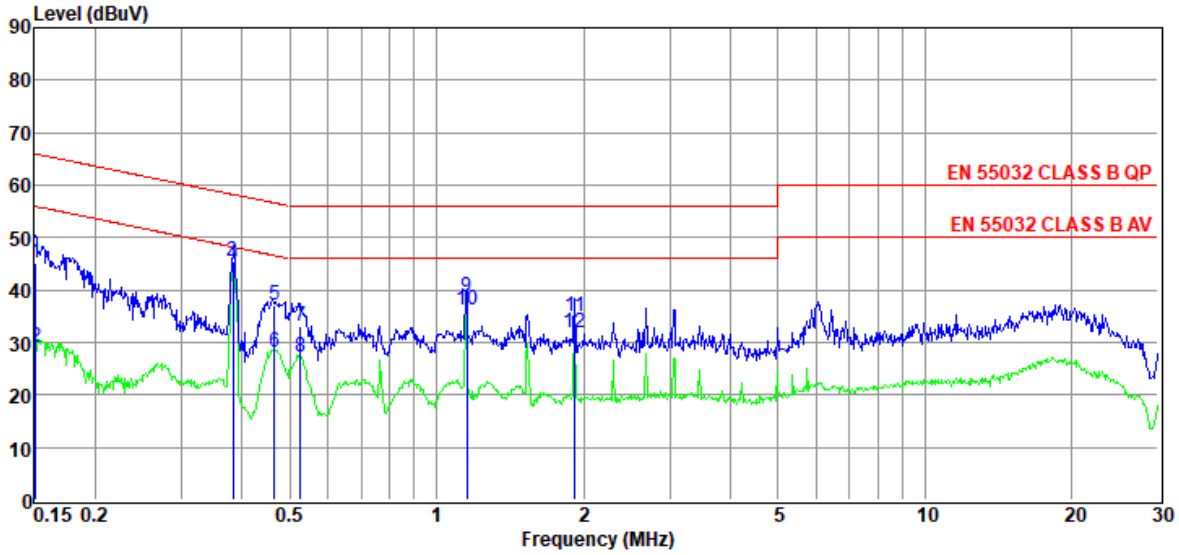


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.16	28.64	9.38	0.02	10.01	48.05	65.34	-17.29	QP	NEUTRAL
2	0.16	12.75	9.38	0.02	10.01	32.16	55.34	-23.18	Average	NEUTRAL
3	0.38	26.31	9.39	0.02	10.01	45.73	58.21	-12.48	QP	NEUTRAL
4	0.38	25.45	9.39	0.02	10.01	44.87	48.21	-3.34	Average	NEUTRAL
5	1.15	19.98	9.41	0.03	10.01	39.43	56.00	-16.57	QP	NEUTRAL
6	1.15	16.83	9.41	0.03	10.01	36.28	46.00	-9.72	Average	NEUTRAL
7	1.54	16.46	9.41	0.04	10.01	35.92	56.00	-20.08	QP	NEUTRAL
8	1.54	11.69	9.41	0.04	10.01	31.15	46.00	-14.85	Average	NEUTRAL
9	2.69	11.71	9.42	0.06	10.01	31.20	56.00	-24.80	QP	NEUTRAL
10	2.69	8.79	9.42	0.06	10.01	28.28	46.00	-17.72	Average	NEUTRAL
11	5.90	13.91	9.50	0.09	10.01	33.51	60.00	-26.49	QP	NEUTRAL
12	5.90	2.56	9.50	0.09	10.01	22.16	50.00	-27.84	Average	NEUTRAL

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: Line IN 1 mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/NEUTRAL
Memo	:		

Data: 35

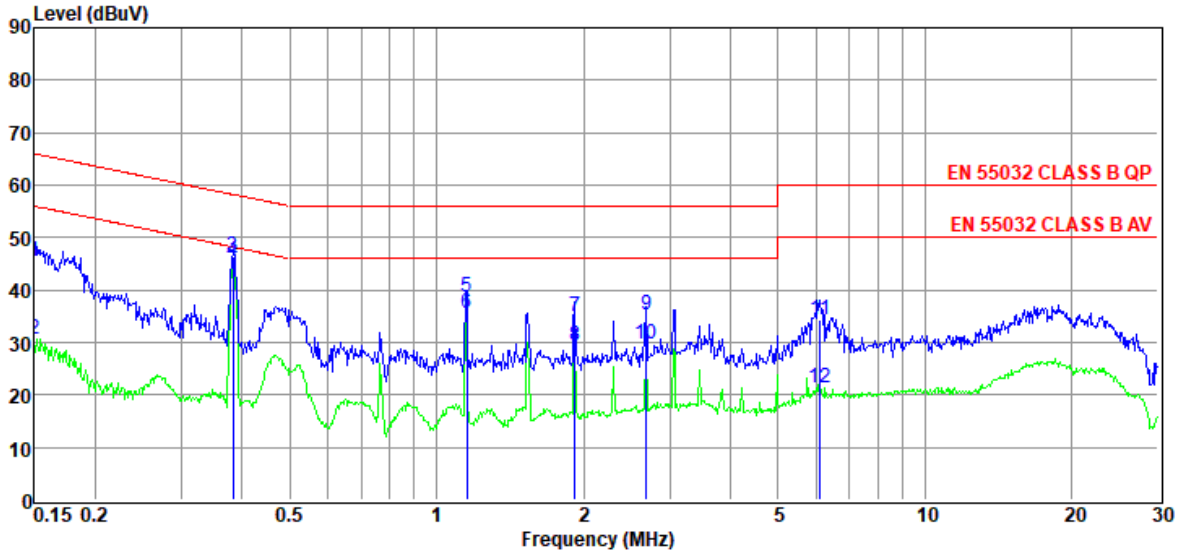


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.15	25.81	9.38	0.02	10.01	45.22	65.96	-20.74	QP	NEUTRAL
2	0.15	9.76	9.38	0.02	10.01	29.17	55.96	-26.79	Average	NEUTRAL
3	0.38	26.17	9.39	0.02	10.01	45.59	58.21	-12.62	QP	NEUTRAL
4	0.38	25.29	9.39	0.02	10.01	44.71	48.21	-3.50	Average	NEUTRAL
5	0.47	17.61	9.40	0.02	10.01	37.04	56.58	-19.54	QP	NEUTRAL
6	0.47	8.64	9.40	0.02	10.01	28.07	46.58	-18.51	Average	NEUTRAL
7	0.53	13.76	9.40	0.02	10.01	33.19	56.00	-22.81	QP	NEUTRAL
8	0.53	7.86	9.40	0.02	10.01	27.29	46.00	-18.71	Average	NEUTRAL
9	1.15	19.30	9.41	0.03	10.01	38.75	56.00	-17.25	QP	NEUTRAL
10	1.15	16.79	9.41	0.03	10.01	36.24	46.00	-9.76	Average	NEUTRAL
11	1.92	15.48	9.41	0.05	10.01	34.95	56.00	-21.05	QP	NEUTRAL
12	1.92	12.31	9.41	0.05	10.01	31.78	46.00	-14.22	Average	NEUTRAL

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: Line IN 1 mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/LINE
Memo	:		

Data: 37

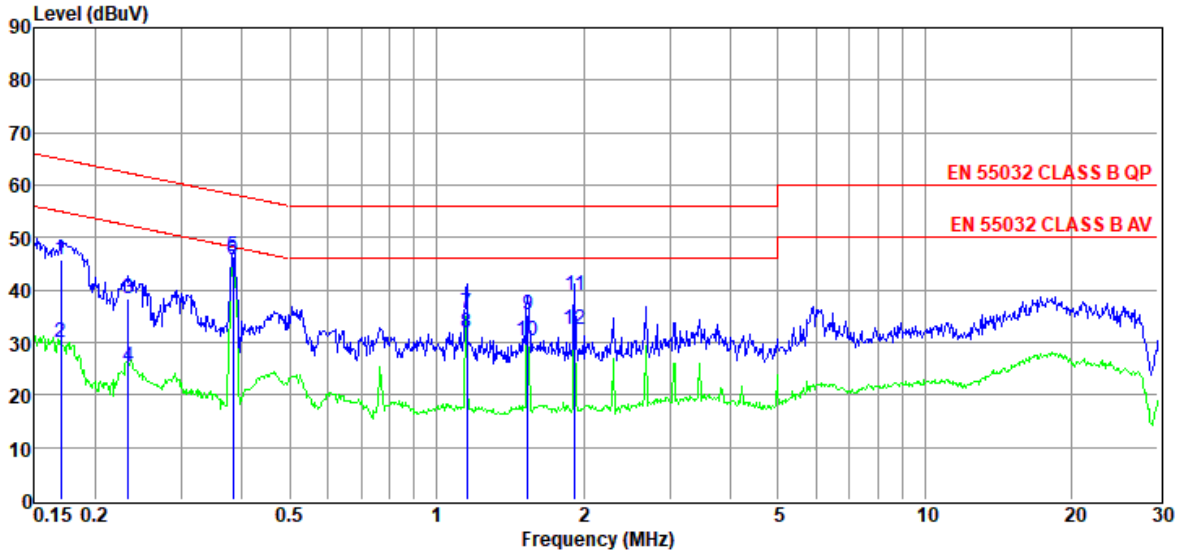


Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBµV)	(dB)	(dB)	(dB)	(dBµV)	(dBµV)	(dB)		
1	0.15	25.90	9.41	0.02	10.01	45.34	66.00	-20.66	QP	LINE
2	0.15	11.07	9.41	0.02	10.01	30.51	56.00	-25.49	Average	LINE
3	0.38	26.83	9.44	0.02	10.01	46.30	58.21	-11.91	QP	LINE
4	0.38	25.94	9.44	0.02	10.01	45.41	48.21	-2.80	Average	LINE
5	1.15	19.09	9.43	0.03	10.01	38.56	56.00	-17.44	QP	LINE
6	1.15	16.21	9.43	0.03	10.01	35.68	46.00	-10.32	Average	LINE
7	1.92	15.46	9.43	0.05	10.01	34.95	56.00	-21.05	QP	LINE
8	1.92	10.02	9.43	0.05	10.01	29.51	46.00	-16.49	Average	LINE
9	2.69	15.79	9.44	0.06	10.01	35.30	56.00	-20.70	QP	LINE
10	2.69	10.12	9.44	0.06	10.01	29.63	46.00	-16.37	Average	LINE
11	6.09	14.74	9.52	0.09	10.01	34.36	60.00	-25.64	QP	LINE
12	6.09	1.64	9.52	0.09	10.01	21.26	50.00	-28.74	Average	LINE

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: Line IN 2 mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/LINE
Memo	:		

Data: 39

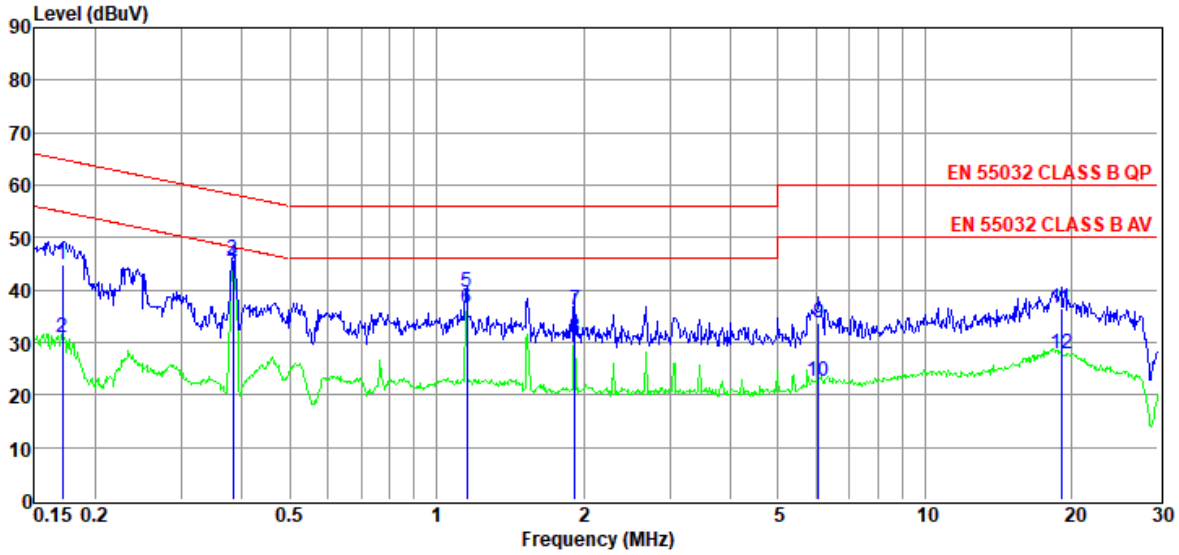


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.17	26.39	9.41	0.02	10.01	45.83	64.94	-19.11	QP	LINE
2	0.17	10.52	9.41	0.02	10.01	29.96	54.94	-24.98	Average	LINE
3	0.23	18.85	9.43	0.02	10.01	38.31	62.30	-23.99	QP	LINE
4	0.23	6.04	9.43	0.02	10.01	25.50	52.30	-26.80	Average	LINE
5	0.38	26.96	9.44	0.02	10.01	46.43	58.21	-11.78	QP	LINE
6	0.38	26.15	9.44	0.02	10.01	45.62	48.21	-2.59	Average	LINE
7	1.15	16.21	9.43	0.03	10.01	35.68	56.00	-20.32	QP	LINE
8	1.15	12.27	9.43	0.03	10.01	31.74	46.00	-14.26	Average	LINE
9	1.54	15.76	9.43	0.04	10.01	35.24	56.00	-20.76	QP	LINE
10	1.54	10.68	9.43	0.04	10.01	30.16	46.00	-15.84	Average	LINE
11	1.92	19.36	9.43	0.05	10.01	38.85	56.00	-17.15	QP	LINE
12	1.92	13.04	9.43	0.05	10.01	32.53	46.00	-13.47	Average	LINE

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: Line IN 2 mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/NEUTRAL
Memo	:		

Data: 41

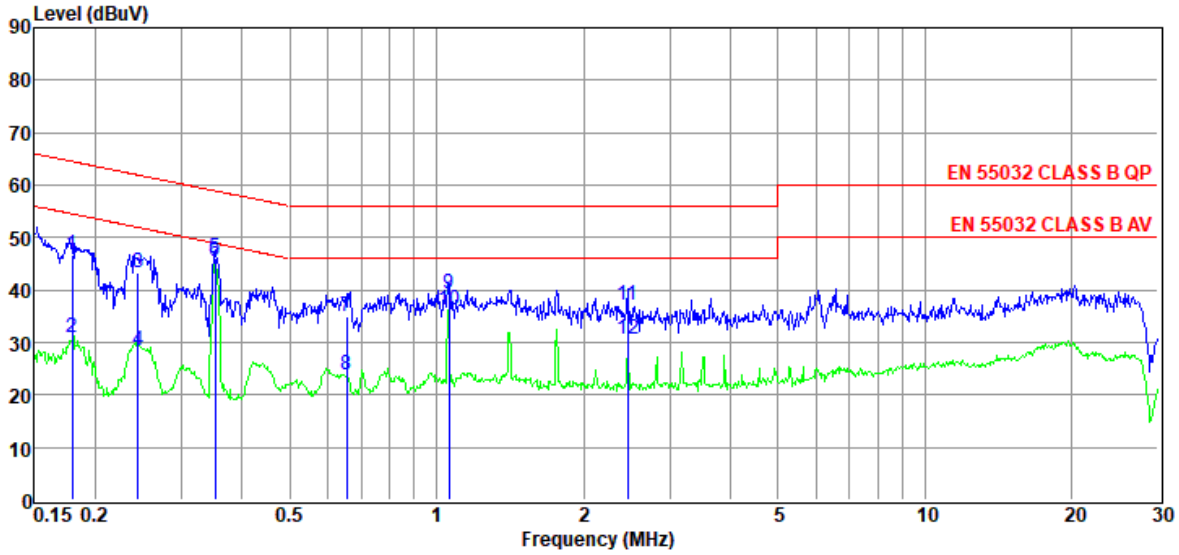


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.17	25.42	9.38	0.02	10.01	44.83	64.90	-20.07	QP	NEUTRAL
2	0.17	11.49	9.38	0.02	10.01	30.90	54.90	-24.00	Average	NEUTRAL
3	0.38	26.29	9.39	0.02	10.01	45.71	58.21	-12.50	QP	NEUTRAL
4	0.38	25.53	9.39	0.02	10.01	44.95	48.21	-3.26	Average	NEUTRAL
5	1.15	20.05	9.41	0.03	10.01	39.50	56.00	-16.50	QP	NEUTRAL
6	1.15	16.95	9.41	0.03	10.01	36.40	46.00	-9.60	Average	NEUTRAL
7	1.92	16.68	9.41	0.05	10.01	36.15	56.00	-19.85	QP	NEUTRAL
8	1.92	11.54	9.41	0.05	10.01	31.01	46.00	-14.99	Average	NEUTRAL
9	6.06	14.18	9.50	0.09	10.01	33.78	60.00	-26.22	QP	NEUTRAL
10	6.06	3.03	9.50	0.09	10.01	22.63	50.00	-27.37	Average	NEUTRAL
11	19.02	16.89	9.59	0.15	10.02	36.65	60.00	-23.35	QP	NEUTRAL
12	19.02	7.96	9.59	0.15	10.02	27.72	50.00	-22.28	Average	NEUTRAL

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: OPT mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/NEUTRAL
Memo	:		

Data: 43

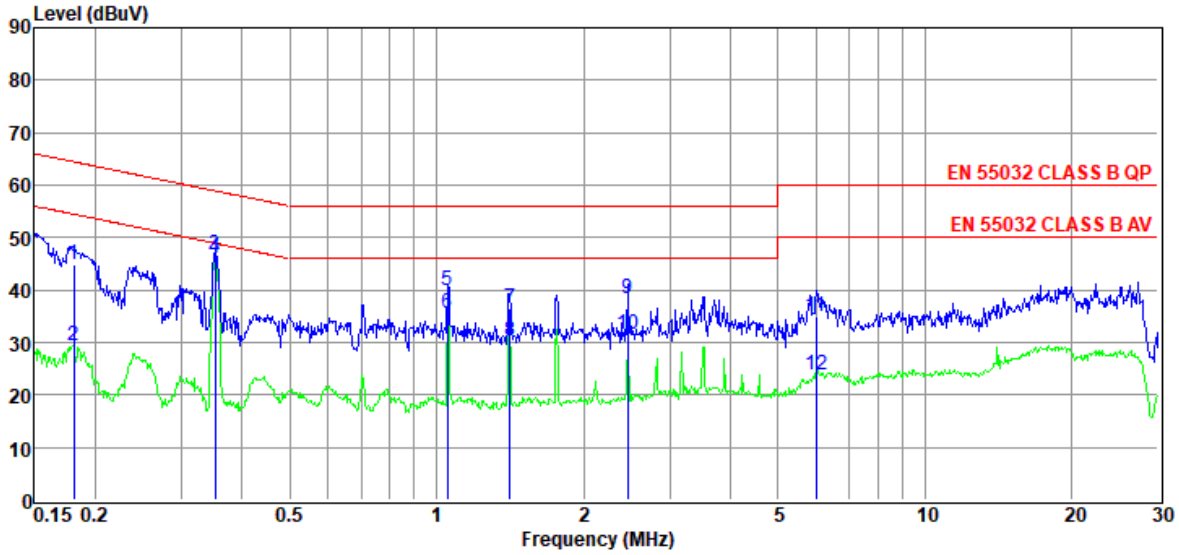


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.18	27.37	9.39	0.02	10.01	46.79	64.50	-17.71	QP	NEUTRAL
2	0.18	11.51	9.39	0.02	10.01	30.93	54.50	-23.57	Average	NEUTRAL
3	0.24	23.85	9.39	0.02	10.01	43.27	61.95	-18.68	QP	NEUTRAL
4	0.24	9.08	9.39	0.02	10.01	28.50	51.95	-23.45	Average	NEUTRAL
5	0.35	26.59	9.39	0.02	10.01	46.01	58.91	-12.90	QP	NEUTRAL
6	0.35	25.90	9.39	0.02	10.01	45.32	48.91	-3.59	Average	NEUTRAL
7	0.65	15.39	9.40	0.03	10.01	34.83	56.00	-21.17	QP	NEUTRAL
8	0.65	4.33	9.40	0.03	10.01	23.77	46.00	-22.23	Average	NEUTRAL
9	1.06	19.76	9.41	0.03	10.01	39.21	56.00	-16.79	QP	NEUTRAL
10	1.06	16.66	9.41	0.03	10.01	36.11	46.00	-9.89	Average	NEUTRAL
11	2.46	17.61	9.42	0.06	10.01	37.10	56.00	-18.90	QP	NEUTRAL
12	2.46	11.26	9.42	0.06	10.01	30.75	46.00	-15.25	Average	NEUTRAL

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Test Site	: DDT 5# Shield Room		
Test Date	: 2021-01-29	**Tested By**	: Caesar Peng
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: OPT mode
Condition	: Temp:24.5°C,Humi:55.5%,Press:101.4kPa	**LISN**	: 2020 ENV 216 2#/LINE
Memo	:		

Data: 45

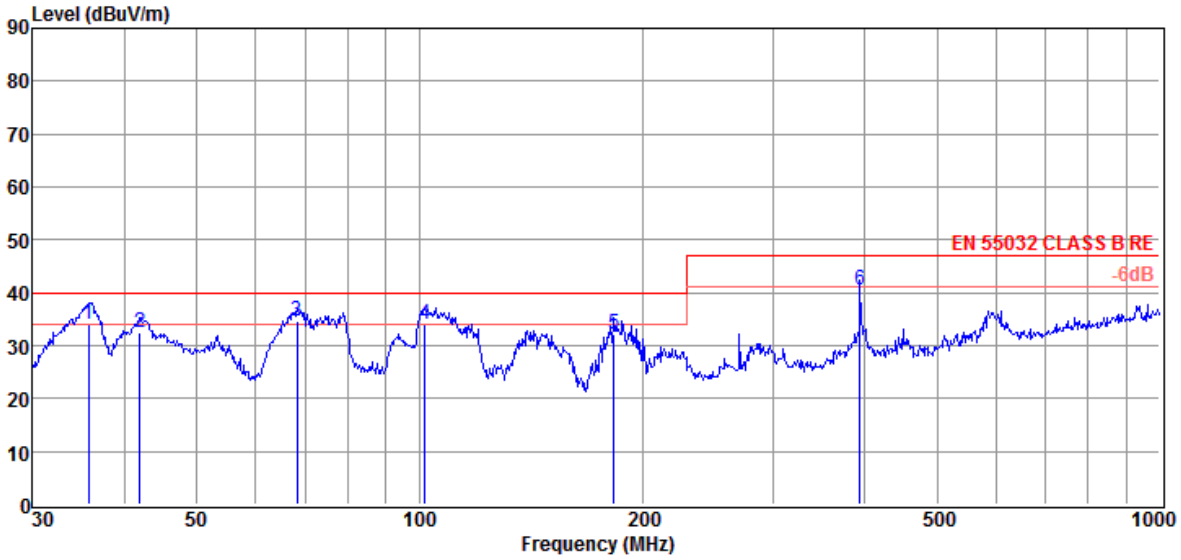


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.18	25.38	9.42	0.02	10.01	44.83	64.46	-19.63	QP	LINE
2	0.18	9.84	9.42	0.02	10.01	29.29	54.46	-25.17	Average	LINE
3	0.35	27.14	9.44	0.02	10.01	46.61	58.91	-12.30	QP	LINE
4	0.35	26.51	9.44	0.02	10.01	45.98	48.91	-2.93	Average	LINE
5	1.05	20.56	9.43	0.03	10.01	40.03	56.00	-15.97	QP	LINE
6	1.05	16.22	9.43	0.03	10.01	35.69	46.00	-10.31	Average	LINE
7	1.41	16.94	9.43	0.04	10.01	36.42	56.00	-19.58	QP	LINE
8	1.41	10.92	9.43	0.04	10.01	30.40	46.00	-15.60	Average	LINE
9	2.46	18.95	9.44	0.06	10.01	38.46	56.00	-17.54	QP	LINE
10	2.46	12.15	9.44	0.06	10.01	31.66	46.00	-14.34	Average	LINE
11	5.99	15.34	9.52	0.09	10.01	34.96	60.00	-25.04	QP	LINE
12	5.99	4.24	9.52	0.09	10.01	23.86	50.00	-26.14	Average	LINE

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

13 Appendix A.13 : Radiated Emissions

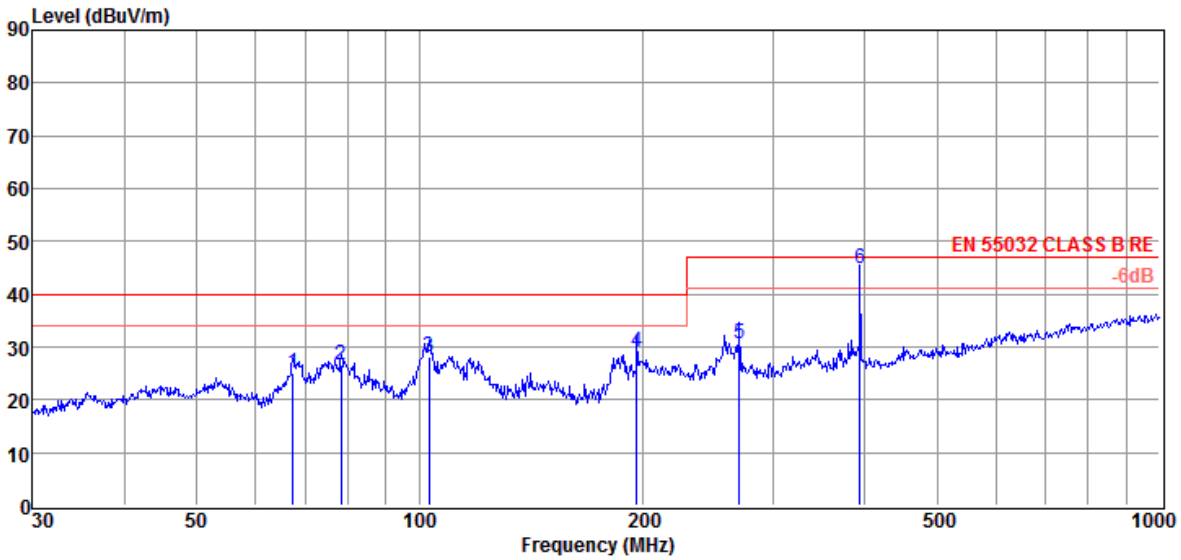
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: LINE IN 1 mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/VERTICAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	35.75	19.70	10.45	3.73	33.88	40.00	-6.12	QP	VERTICAL
2	41.86	16.57	12.06	3.78	32.41	40.00	-7.59	QP	VERTICAL
3	68.39	21.53	9.16	4.09	34.78	40.00	-5.22	QP	VERTICAL
4	101.64	18.11	11.52	4.41	34.04	40.00	-5.96	QP	VERTICAL
5	183.20	17.64	9.56	4.95	32.15	40.00	-7.85	QP	VERTICAL
6	393.47	19.20	15.35	5.89	40.44	47.00	-6.56	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

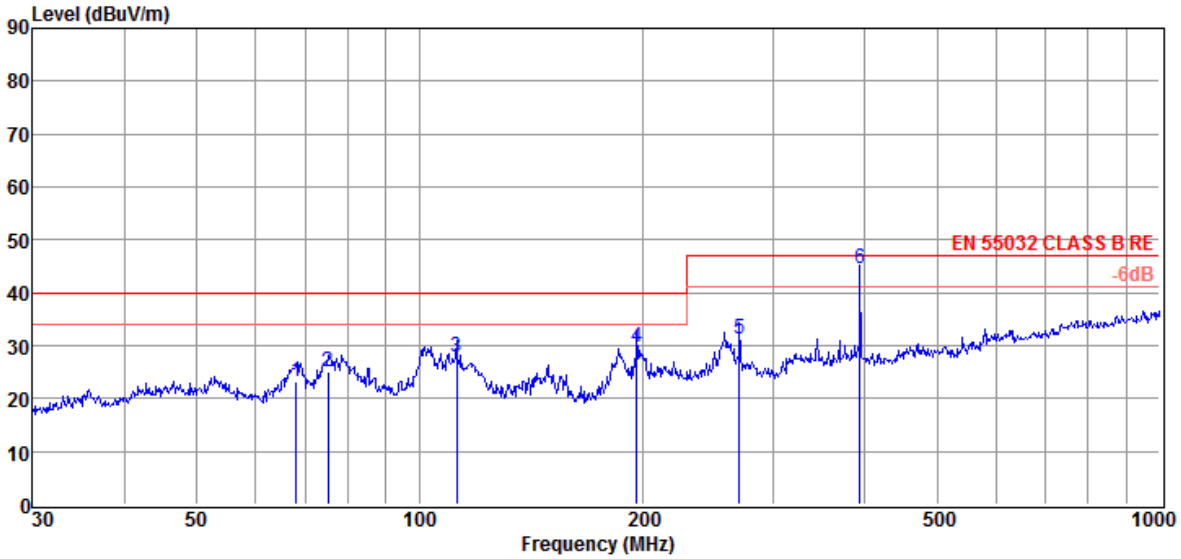
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: LINE IN 1 mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/HORIZONTAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	67.44	11.07	9.82	4.07	24.96	40.00	-15.04	QP	HORIZONTAL
2	78.41	15.03	7.34	4.23	26.60	40.00	-13.40	QP	HORIZONTAL
3	103.08	11.79	12.08	4.43	28.30	40.00	-11.70	QP	HORIZONTAL
4	196.51	13.58	10.50	5.02	29.10	40.00	-10.90	QP	HORIZONTAL
5	270.38	12.62	12.56	5.36	30.54	47.00	-16.46	QP	HORIZONTAL
6	393.47	23.70	15.35	5.89	44.94	47.00	-2.06	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

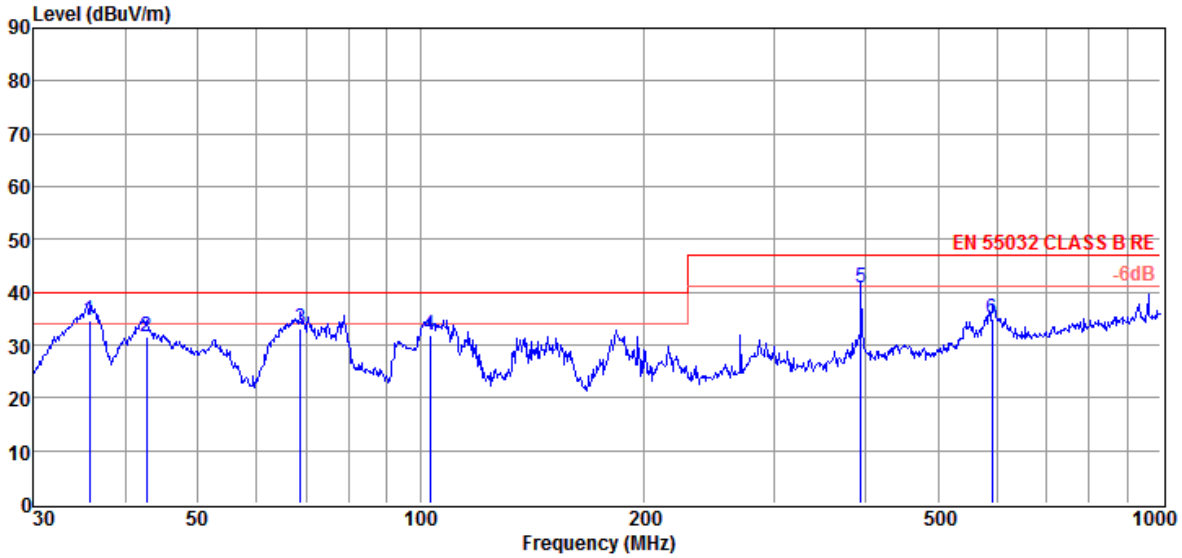
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: LINE IN 2 mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/HORIZONTAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	68.15	9.98	9.18	4.08	23.24	40.00	-16.76	QP	HORIZONTAL
2	75.18	13.69	7.30	4.18	25.17	40.00	-14.83	QP	HORIZONTAL
3	112.13	13.14	10.23	4.50	27.87	40.00	-12.13	QP	HORIZONTAL
4	196.51	14.25	10.50	5.02	29.77	40.00	-10.23	QP	HORIZONTAL
5	270.38	13.32	12.56	5.36	31.24	47.00	-15.76	QP	HORIZONTAL
6	393.47	23.20	15.35	5.89	44.44	47.00	-2.56	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

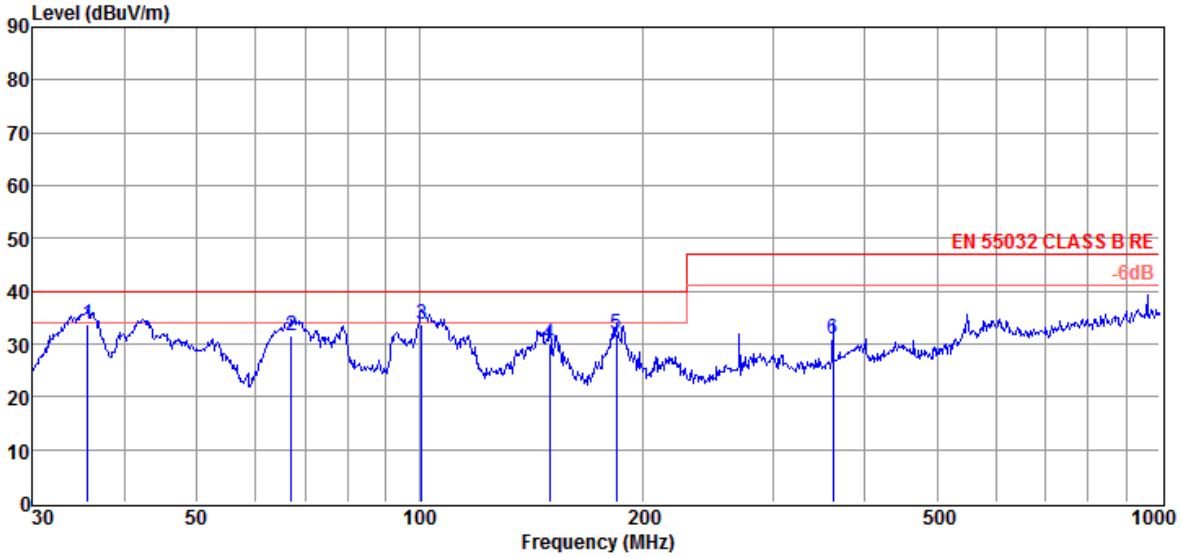
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: LINE IN 2 mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/VERTICAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	35.75	20.38	10.45	3.73	34.56	40.00	-5.44	QP	VERTICAL
2	42.60	15.52	12.34	3.79	31.65	40.00	-8.35	QP	VERTICAL
3	68.87	19.94	9.11	4.09	33.14	40.00	-6.86	QP	VERTICAL
4	103.08	15.35	12.08	4.43	31.86	40.00	-8.14	QP	VERTICAL
5	393.47	19.57	15.35	5.89	40.81	47.00	-6.19	QP	VERTICAL
6	590.97	9.21	18.94	6.68	34.83	47.00	-12.17	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

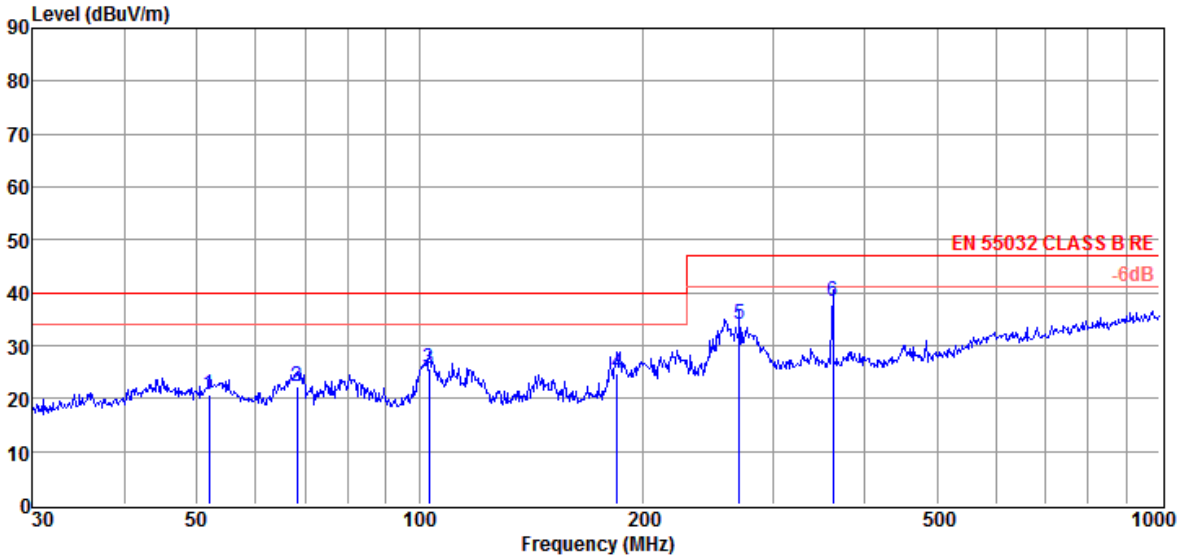
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: OPT mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/VERTICAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	35.62	19.42	10.43	3.73	33.58	40.00	-6.42	QP	VERTICAL
2	67.20	17.51	10.08	4.07	31.66	40.00	-8.34	QP	VERTICAL
3	100.58	18.15	11.05	4.40	33.60	40.00	-6.40	QP	VERTICAL
4	150.01	17.45	7.80	4.75	30.00	40.00	-10.00	QP	VERTICAL
5	184.49	17.25	9.70	4.96	31.91	40.00	-8.09	QP	VERTICAL
6	361.71	10.19	15.10	5.76	31.05	47.00	-15.95	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

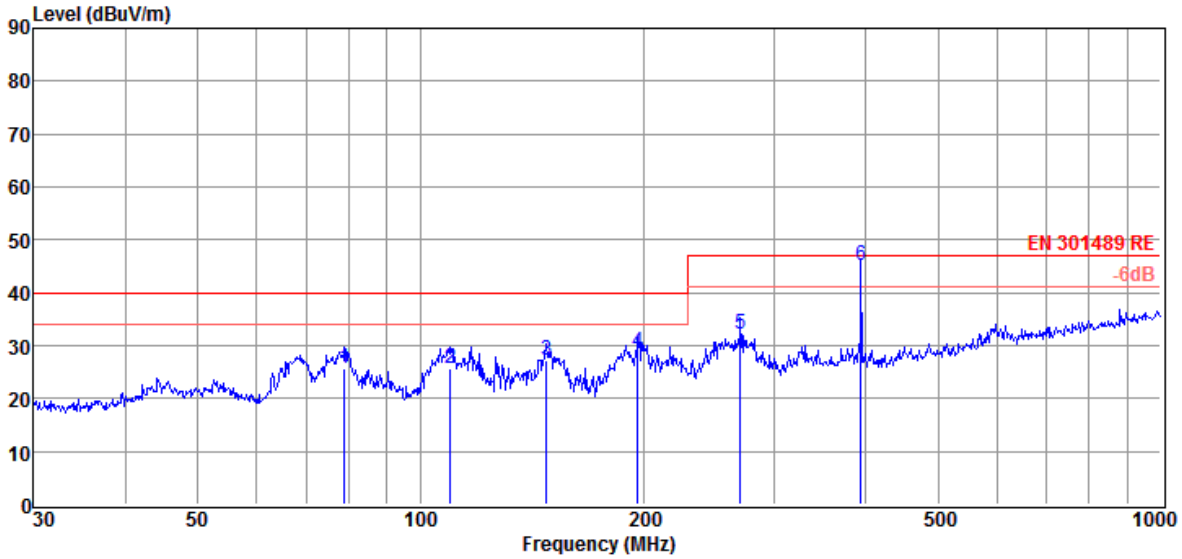
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: OPT mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/HORIZONTAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	52.03	3.61	13.31	3.87	20.79	40.00	-19.21	QP	HORIZONTAL
2	68.39	8.94	9.16	4.09	22.19	40.00	-17.81	QP	HORIZONTAL
3	103.08	9.25	12.08	4.43	25.76	40.00	-14.24	QP	HORIZONTAL
4	185.14	10.05	9.77	4.96	24.78	40.00	-15.22	QP	HORIZONTAL
5	270.38	15.99	12.56	5.36	33.91	47.00	-13.09	QP	HORIZONTAL
6	361.71	17.63	15.10	5.76	38.49	47.00	-8.51	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

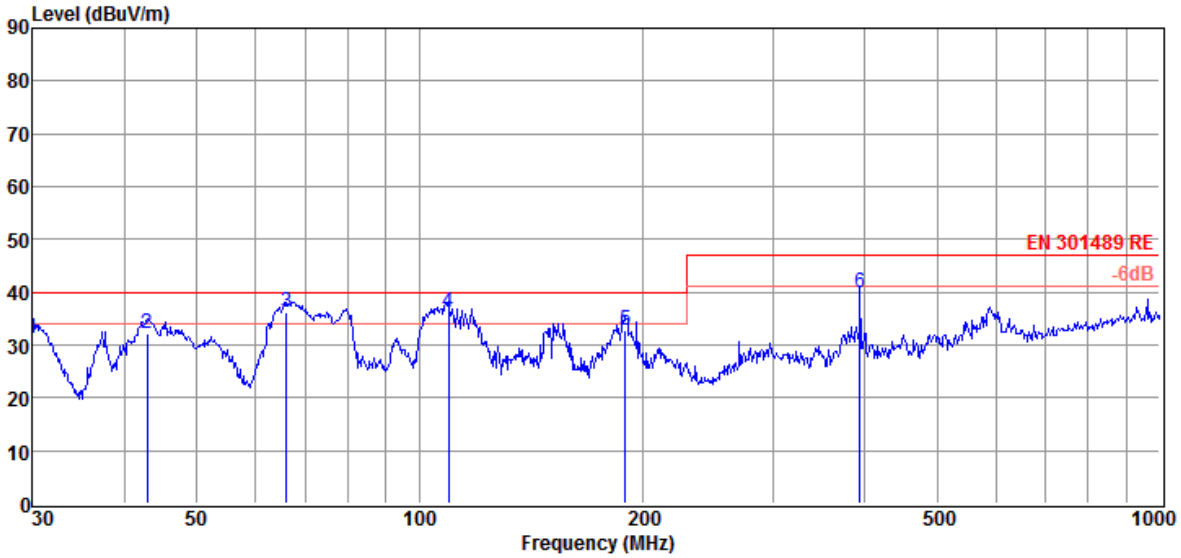
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: BT mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/HORIZONTAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	78.97	14.18	7.40	4.24	25.82	40.00	-14.18	QP	HORIZONTAL
2	109.80	10.45	10.64	4.48	25.57	40.00	-14.43	QP	HORIZONTAL
3	147.92	14.67	7.76	4.74	27.17	40.00	-12.83	QP	HORIZONTAL
4	196.51	13.13	10.50	5.02	28.65	40.00	-11.35	QP	HORIZONTAL
5	270.38	14.32	12.56	5.36	32.24	47.00	-14.76	QP	HORIZONTAL
6	393.47	23.88	15.35	5.89	45.12	47.00	-1.88	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

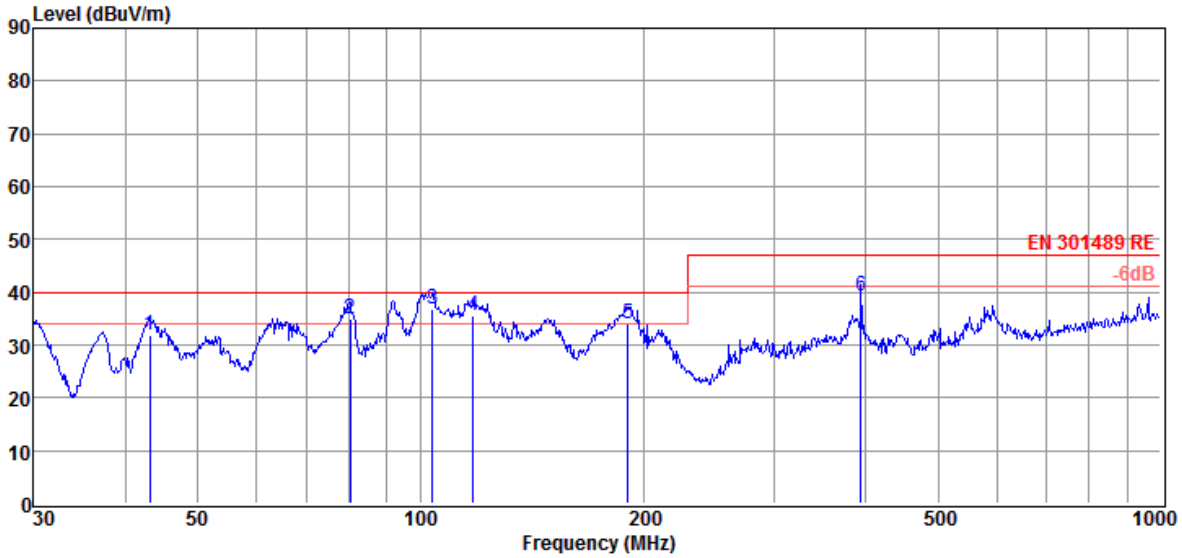
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: BT mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/VERTICAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	30.00	17.95	9.50	3.69	31.14	40.00	-8.86	QP	VERTICAL
2	42.90	15.82	12.46	3.79	32.07	40.00	-7.93	QP	VERTICAL
3	66.03	21.76	10.30	4.05	36.11	40.00	-3.89	QP	VERTICAL
4	109.41	21.04	10.72	4.48	36.24	40.00	-3.76	QP	VERTICAL
5	189.74	17.46	10.27	4.99	32.72	40.00	-7.28	QP	VERTICAL
6	393.47	18.60	15.35	5.89	39.84	47.00	-7.16	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

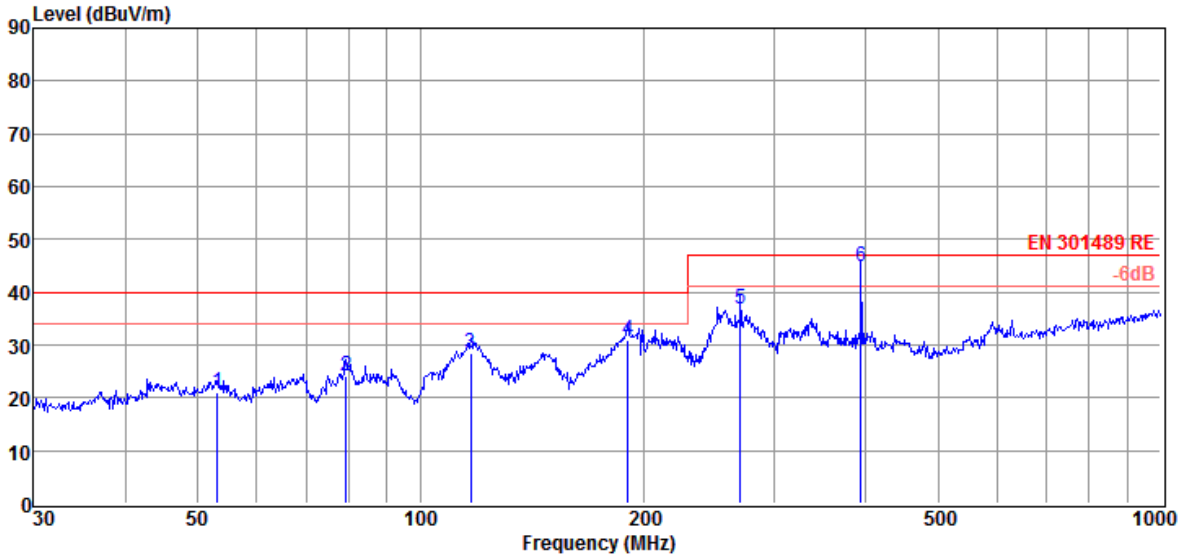
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: BT mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/VERTICAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	43.05	15.52	12.52	3.79	31.83	40.00	-8.17	QP	VERTICAL
2	80.36	23.33	7.40	4.25	34.98	40.00	-5.02	QP	VERTICAL
3	103.81	20.42	11.92	4.43	36.77	40.00	-3.23	QP	VERTICAL
4	117.77	21.83	9.27	4.54	35.64	40.00	-4.36	QP	VERTICAL
5	190.41	18.85	10.31	4.99	34.15	40.00	-5.85	QP	VERTICAL
6	393.47	18.19	15.35	5.89	39.43	47.00	-7.57	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

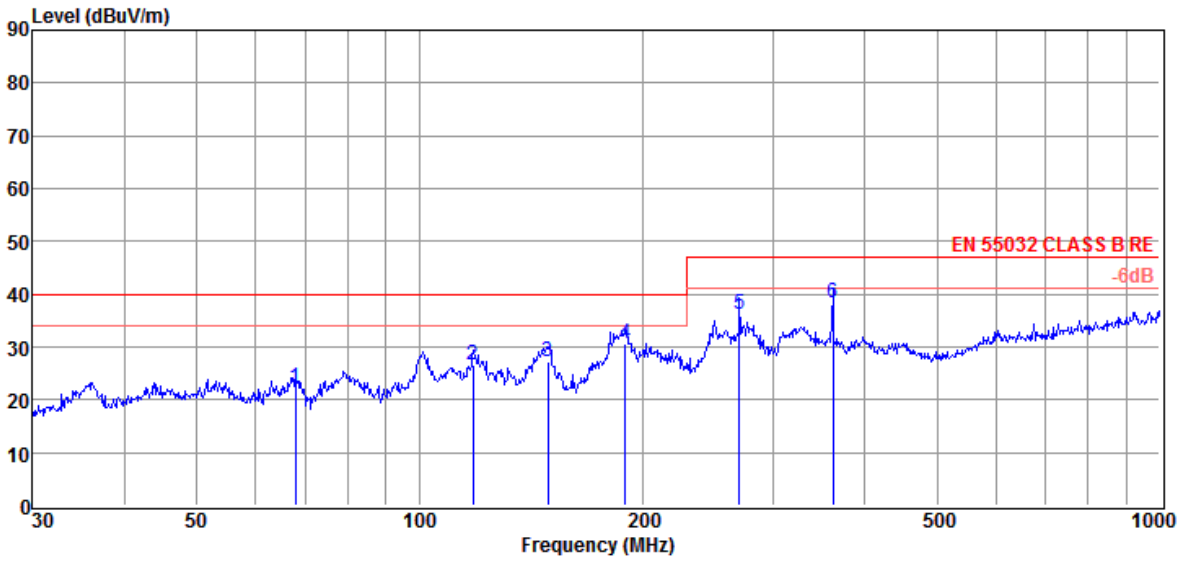
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: BT mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/HORIZONTAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	53.13	3.50	13.73	3.89	21.12	40.00	-18.88	QP	HORIZONTAL
2	79.24	12.51	7.40	4.24	24.15	40.00	-15.85	QP	HORIZONTAL
3	116.95	14.36	9.40	4.54	28.30	40.00	-11.70	QP	HORIZONTAL
4	190.41	15.73	10.31	4.99	31.03	40.00	-8.97	QP	HORIZONTAL
5	270.38	18.81	12.56	5.36	36.73	47.00	-10.27	QP	HORIZONTAL
6	393.47	23.74	15.35	5.89	44.98	47.00	-2.02	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

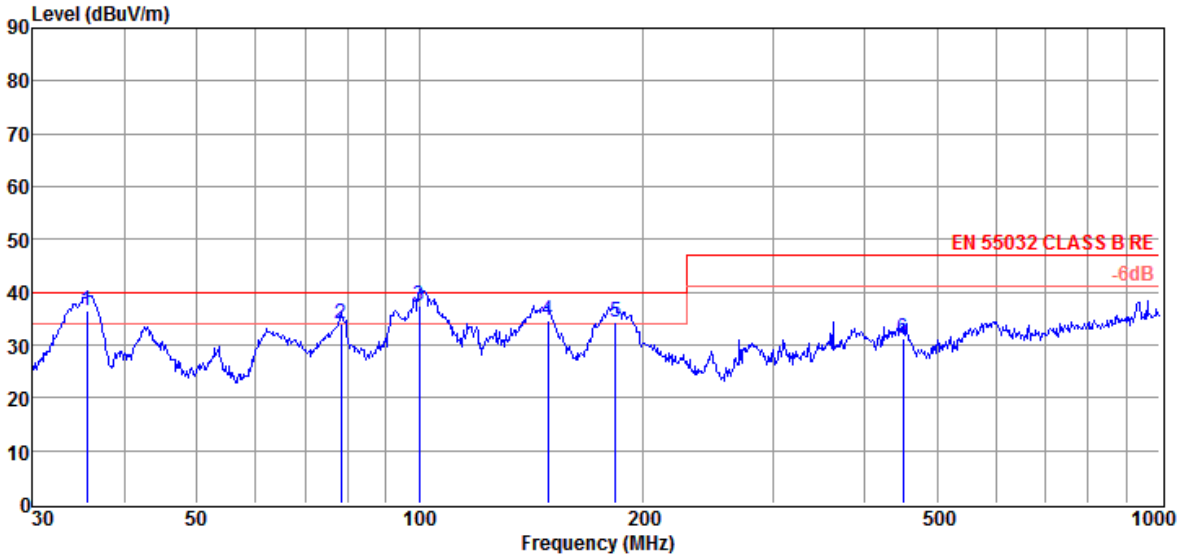
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: OPT mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/HORIZONTAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	67.91	8.85	9.30	4.08	22.23	40.00	-17.77	QP	HORIZONTAL
2	118.19	12.72	9.20	4.54	26.46	40.00	-13.54	QP	HORIZONTAL
3	148.96	14.57	7.78	4.74	27.09	40.00	-12.91	QP	HORIZONTAL
4	189.74	15.20	10.27	4.99	30.46	40.00	-9.54	QP	HORIZONTAL
5	270.38	18.39	12.56	5.36	36.31	47.00	-10.69	QP	HORIZONTAL
6	361.71	17.38	15.10	5.76	38.24	47.00	-8.76	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

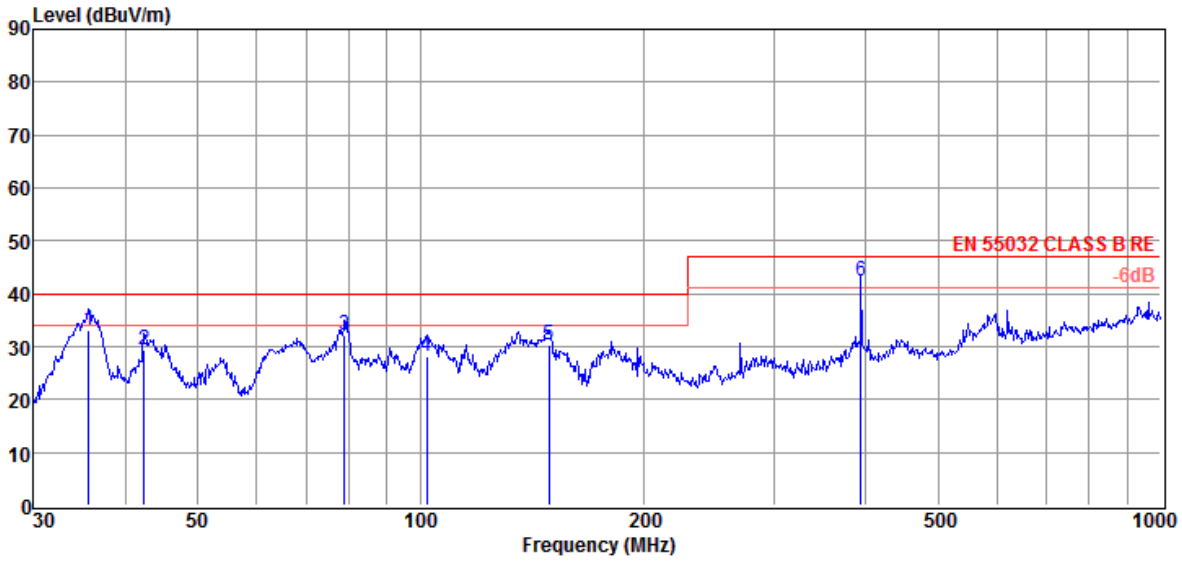
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: OPT mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/VERTICAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	35.50	22.27	10.40	3.73	36.40	40.00	-3.60	QP	VERTICAL
2	78.41	22.54	7.34	4.23	34.11	40.00	-5.89	QP	VERTICAL
3	99.88	22.29	10.77	4.40	37.46	40.00	-2.54	QP	VERTICAL
4	148.96	21.96	7.78	4.74	34.48	40.00	-5.52	QP	VERTICAL
5	183.84	19.61	9.63	4.96	34.20	40.00	-5.80	QP	VERTICAL
6	449.56	8.80	16.21	6.11	31.12	47.00	-15.88	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

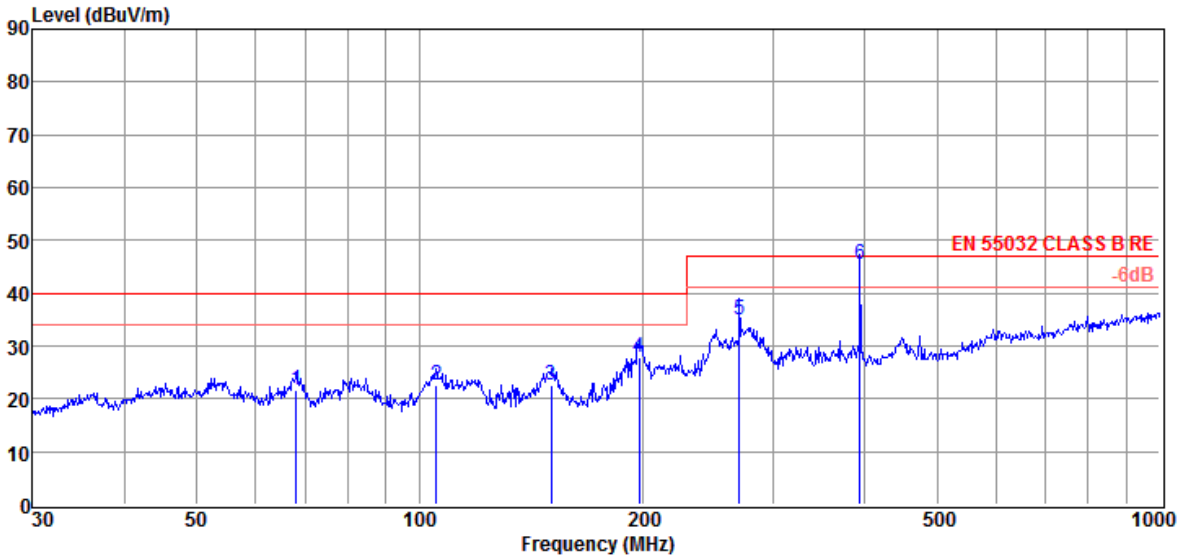
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: LINE IN 2 mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/VERTICAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	35.62	18.91	10.43	3.73	33.07	40.00	-6.93	QP	VERTICAL
2	42.30	13.41	12.22	3.78	29.41	40.00	-10.59	QP	VERTICAL
3	78.97	20.44	7.40	4.24	32.08	40.00	-7.92	QP	VERTICAL
4	102.00	12.06	11.67	4.42	28.15	40.00	-11.85	QP	VERTICAL
5	148.96	17.69	7.78	4.74	30.21	40.00	-9.79	QP	VERTICAL
6	393.47	21.11	15.35	5.89	42.35	47.00	-4.65	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

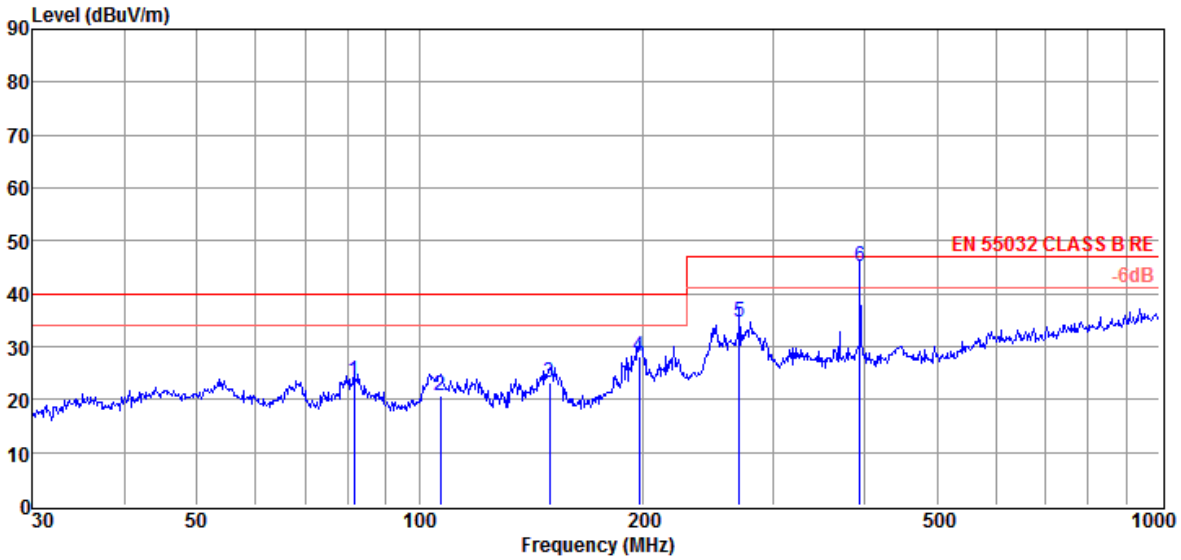
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: LINE IN 2 mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/HORIZONTAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	68.15	8.47	9.18	4.08	21.73	40.00	-18.27	QP	HORIZONTAL
2	105.27	6.51	11.60	4.44	22.55	40.00	-17.45	QP	HORIZONTAL
3	150.54	10.11	7.83	4.75	22.69	40.00	-17.31	QP	HORIZONTAL
4	197.89	12.31	10.54	5.03	27.88	40.00	-12.12	QP	HORIZONTAL
5	270.38	17.04	12.56	5.36	34.96	47.00	-12.04	QP	HORIZONTAL
6	393.47	24.13	15.35	5.89	45.37	47.00	-1.63	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

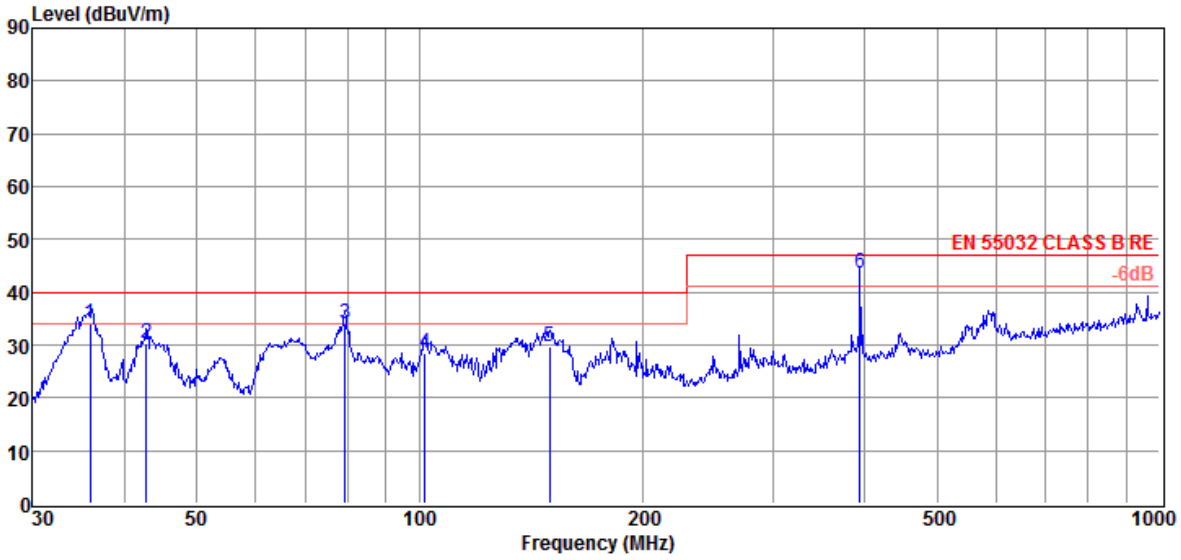
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: LINE IN 1 mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/HORIZONTAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	81.50	11.70	7.40	4.26	23.36	40.00	-16.64	QP	HORIZONTAL
2	106.76	4.92	11.28	4.46	20.66	40.00	-19.34	QP	HORIZONTAL
3	150.01	10.50	7.80	4.75	23.05	40.00	-16.95	QP	HORIZONTAL
4	197.89	12.43	10.54	5.03	28.00	40.00	-12.00	QP	HORIZONTAL
5	270.38	16.61	12.56	5.36	34.53	47.00	-12.47	QP	HORIZONTAL
6	393.47	23.88	15.35	5.89	45.12	47.00	-1.88	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

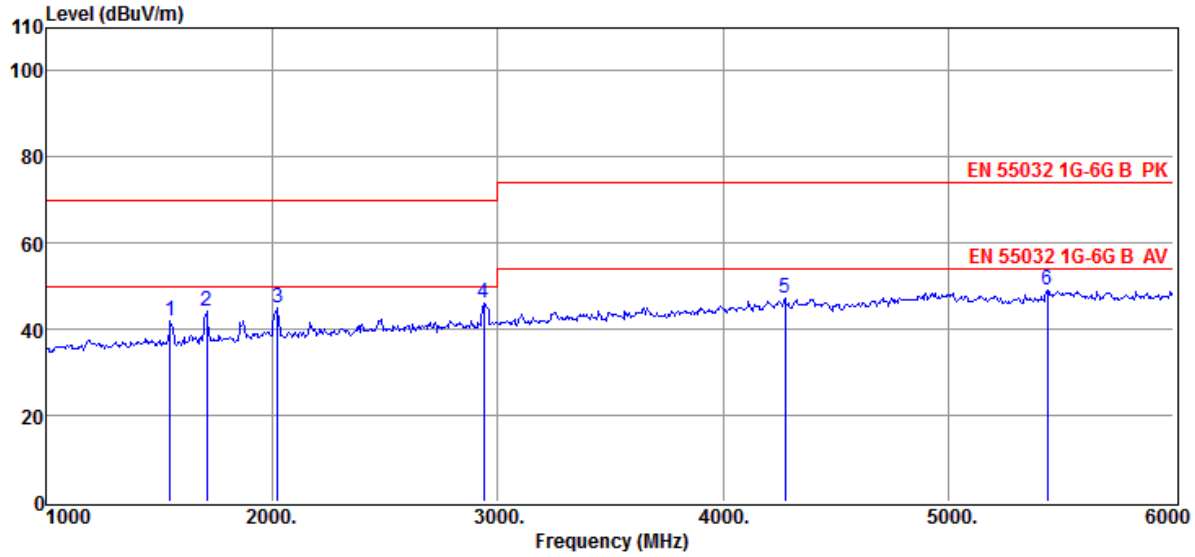
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-25	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: LINE IN 1 mode
Condition	: Temp:24.5 °C,Humi:55%,Press:100.1kPa	**Antenna/Distance**	: 2020 VULB 9163 2#/3m/VERTICAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	35.88	19.74	10.48	3.73	33.95	40.00	-6.05	QP	VERTICAL
2	42.75	14.05	12.40	3.79	30.24	40.00	-9.76	QP	VERTICAL
3	79.24	22.46	7.40	4.24	34.10	40.00	-5.90	QP	VERTICAL
4	101.64	12.49	11.52	4.41	28.42	40.00	-11.58	QP	VERTICAL
5	150.01	17.26	7.80	4.75	29.81	40.00	-10.19	QP	VERTICAL
6	393.47	22.45	15.35	5.89	43.69	47.00	-3.31	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-26	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: LINE IN 1 mode
Condition	: Temp:26.1°C,Humi:59%,Press:101.4kPa	**Antenna/Distance**	: 2020 BBHA9120D/3m/VERTICAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1550.00	54.04	26.24	42.11	3.63	41.80	70.00	-28.20	Peak	VERTICAL
2	1710.00	55.94	26.69	42.34	3.90	44.19	70.00	-25.81	Peak	VERTICAL
3	2025.00	55.90	27.52	42.73	4.35	45.04	70.00	-24.96	Peak	VERTICAL
4	2940.00	55.67	28.97	43.65	5.12	46.11	70.00	-23.89	Peak	VERTICAL
5	4275.00	53.76	31.11	43.76	6.24	47.35	74.00	-26.65	Peak	VERTICAL
6	5440.00	52.53	32.88	43.34	7.11	49.18	74.00	-24.82	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site : DDT 3m Chamber 2#

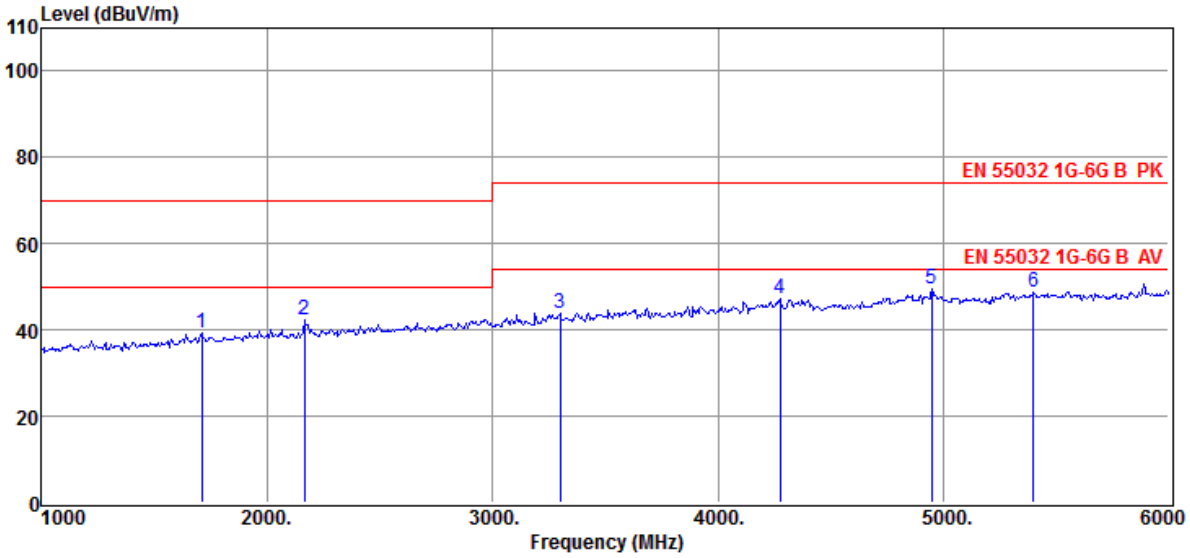
Test Date : 2021-01-26 **Tested By** : Vic Xie

EUT : EDF100021 **Model Number** : EDF100021

Power Supply : AC 110V/60Hz **Test Mode** : LINE IN 1 mode

Condition : Temp:26.1°C,Humi:59%,Press:101.4kPa **Antenna/Distance** : 2020 BBHA9120D/3m/HORIZONTAL

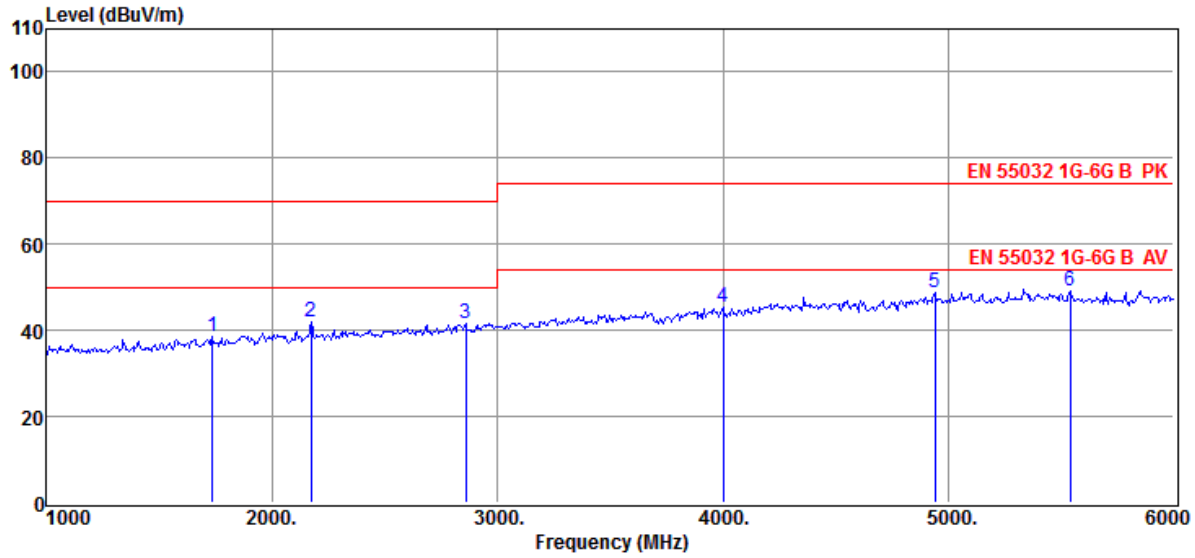
Memo :



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1710.00	51.11	26.69	42.34	3.90	39.36	70.00	-30.64	Peak	HORIZONTAL
2	2165.00	52.97	27.67	42.90	4.53	42.27	70.00	-27.73	Peak	HORIZONTAL
3	3300.00	52.97	29.28	43.80	5.47	43.92	74.00	-30.08	Peak	HORIZONTAL
4	4275.00	53.75	31.11	43.76	6.24	47.34	74.00	-26.66	Peak	HORIZONTAL
5	4950.00	53.25	32.60	43.24	6.98	49.59	74.00	-24.41	Peak	HORIZONTAL
6	5400.00	52.14	32.86	43.33	7.10	48.77	74.00	-25.23	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-26	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: LINE IN 1 mode
Condition	: Temp:26.1°C,Humi:59%,Press:101.4kPa	**Antenna/Distance**	: 2020 BBHA9120D/3m/HORIZONTAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1735.00	50.17	26.76	42.37	3.93	38.49	70.00	-31.51	Peak	HORIZONTAL
2	2175.00	52.55	27.67	42.91	4.55	41.86	70.00	-28.14	Peak	HORIZONTAL
3	2860.00	51.30	28.79	43.58	5.09	41.60	70.00	-28.40	Peak	HORIZONTAL
4	4000.00	52.77	30.40	44.00	6.04	45.21	74.00	-28.79	Peak	HORIZONTAL
5	4940.00	52.57	32.58	43.24	6.97	48.88	74.00	-25.12	Peak	HORIZONTAL
6	5540.00	52.59	32.95	43.37	7.14	49.31	74.00	-24.69	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site : DDT 3m Chamber 2#

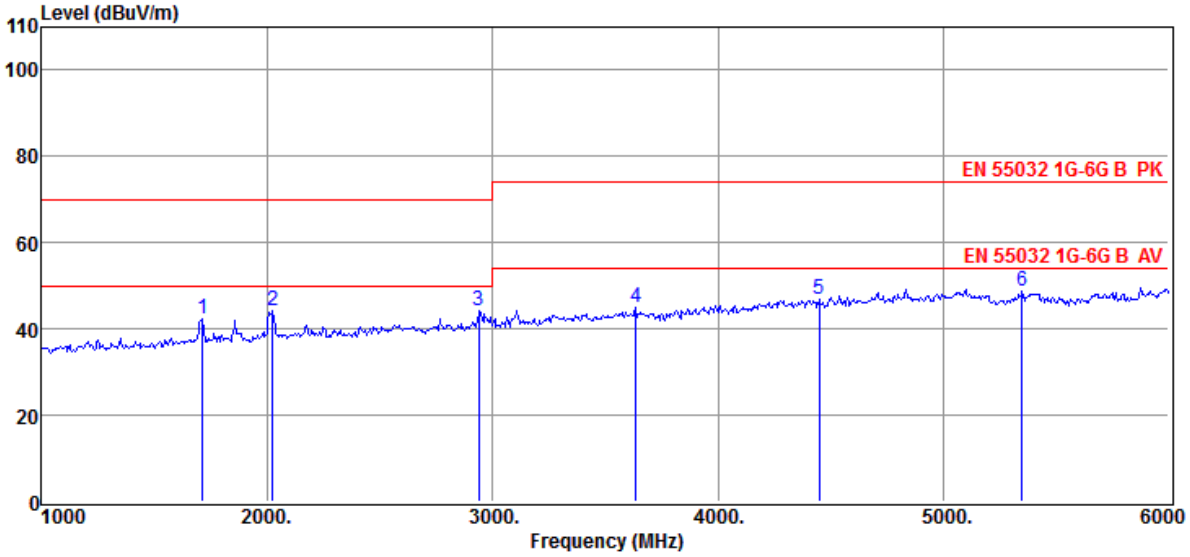
Test Date : 2021-01-26 **Tested By** : Vic Xie

EUT : EDF100021 **Model Number** : EDF100021

Power Supply : AC 230V/50Hz **Test Mode** : LINE IN 1 mode

Condition : Temp:26.1°C,Humi:59%,Press:101.4kPa **Antenna/Distance** : 2020 BBHA9120D/3m/VERTICAL

Memo :



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1715.00	54.01	26.70	42.35	3.90	42.26	70.00	-27.74	Peak	VERTICAL
2	2025.00	55.09	27.52	42.73	4.35	44.23	70.00	-25.77	Peak	VERTICAL
3	2940.00	53.79	28.97	43.65	5.12	44.23	70.00	-25.77	Peak	VERTICAL
4	3635.00	53.42	29.67	43.90	5.77	44.96	74.00	-29.04	Peak	VERTICAL
5	4450.00	52.56	31.57	43.62	6.37	46.88	74.00	-27.12	Peak	VERTICAL
6	5350.00	52.05	32.84	43.31	7.10	48.68	74.00	-25.32	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site : DDT 3m Chamber 2#

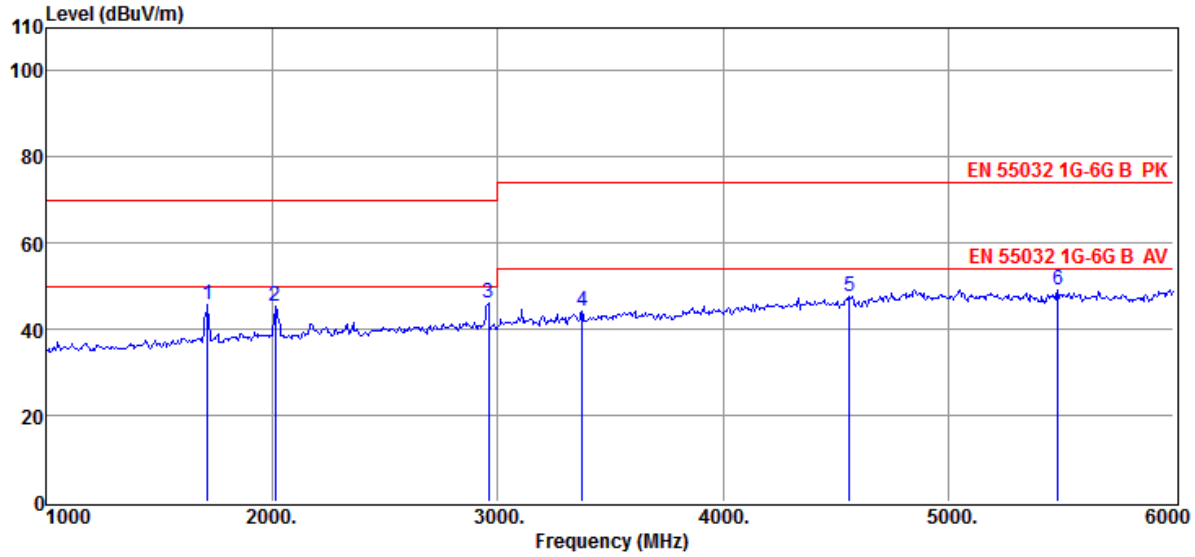
Test Date : 2021-01-26 **Tested By** : Vic Xie

EUT : EDF100021 **Model Number** : EDF100021

Power Supply : AC 230V/50Hz **Test Mode** : LINE IN 2 mode

Condition : Temp:26.1°C,Humi:59%,Press:101.4kPa **Antenna/Distance** : 2020 BBHA9120D/3m/VERTICAL

Memo :



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1715.00	57.58	26.70	42.35	3.90	45.83	70.00	-24.17	Peak	VERTICAL
2	2015.00	56.41	27.51	42.72	4.34	45.54	70.00	-24.46	Peak	VERTICAL
3	2960.00	55.62	29.01	43.67	5.13	46.09	70.00	-23.91	Peak	VERTICAL
4	3375.00	53.26	29.33	43.82	5.54	44.31	74.00	-29.69	Peak	VERTICAL
5	4560.00	52.75	31.82	43.53	6.48	47.52	74.00	-26.48	Peak	VERTICAL
6	5485.00	52.33	32.89	43.35	7.12	48.99	74.00	-25.01	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site : DDT 3m Chamber 2#

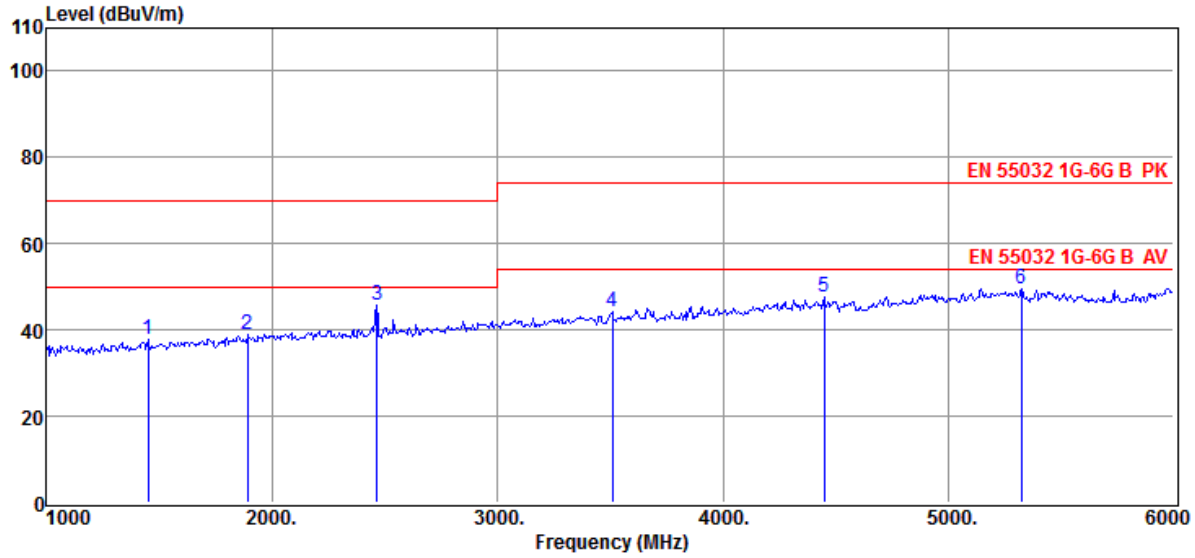
Test Date : 2021-01-26 **Tested By** : Vic Xie

EUT : EDF100021 **Model Number** : EDF100021

Power Supply : AC 230V/50Hz **Test Mode** : LINE IN 2 mode

Condition : Temp:26.1°C,Humi:59%,Press:101.4kPa **Antenna/Distance** : 2020 BBHA9120D/3m/HORIZONTAL

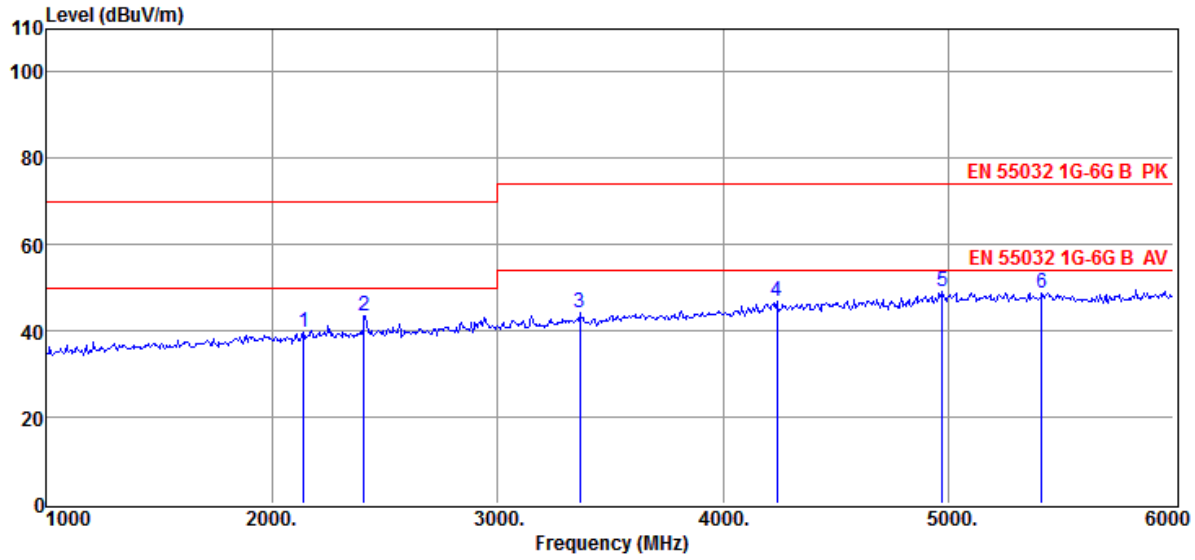
Memo :



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1450.00	50.21	25.99	41.96	3.48	37.72	70.00	-32.28	Peak	HORIZONTAL
2	1890.00	50.24	27.19	42.57	4.17	39.03	70.00	-30.97	Peak	HORIZONTAL
3	2465.00	56.15	27.97	43.22	4.88	45.78	70.00	-24.22	Peak	HORIZONTAL
4	3510.00	53.13	29.42	43.86	5.67	44.36	74.00	-29.64	Peak	HORIZONTAL
5	4450.00	53.16	31.57	43.62	6.37	47.48	74.00	-26.52	Peak	HORIZONTAL
6	5325.00	52.90	32.83	43.30	7.09	49.52	74.00	-24.48	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

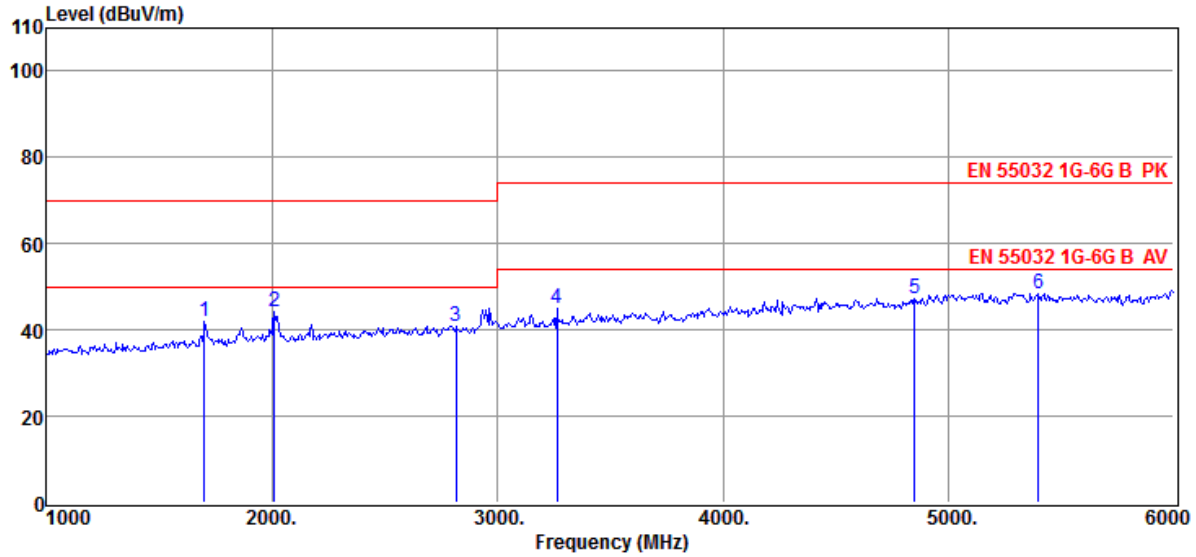
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-26	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: LINE IN 2 mode
Condition	: Temp:26.1°C,Humi:59%,Press:101.4kPa	**Antenna/Distance**	: 2020 BBHA9120D/3m/HORIZONTAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2140.00	50.51	27.64	42.87	4.50	39.78	70.00	-30.22	Peak	HORIZONTAL
2	2410.00	53.85	27.91	43.16	4.82	43.42	70.00	-26.58	Peak	HORIZONTAL
3	3365.00	53.36	29.32	43.82	5.53	44.39	74.00	-29.61	Peak	HORIZONTAL
4	4240.00	53.50	31.02	43.79	6.22	46.95	74.00	-27.05	Peak	HORIZONTAL
5	4975.00	52.70	32.65	43.22	7.01	49.14	74.00	-24.86	Peak	HORIZONTAL
6	5415.00	52.25	32.87	43.33	7.11	48.90	74.00	-25.10	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

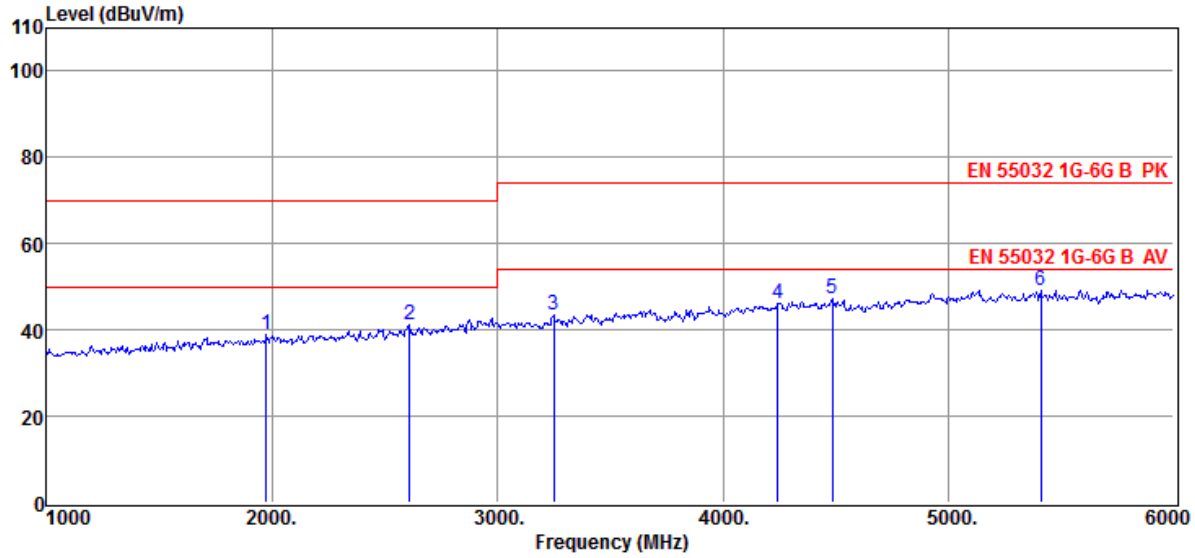
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-26	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: LINE IN 2 mode
Condition	: Temp:26.1°C,Humi:59%,Press:101.4kPa	**Antenna/Distance**	: 2020 BBHA9120D/3m/VERTICAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1700.00	53.91	26.66	42.32	3.88	42.13	70.00	-27.87	Peak	VERTICAL
2	2010.00	55.27	27.51	42.71	4.33	44.40	70.00	-25.60	Peak	VERTICAL
3	2815.00	50.76	28.69	43.54	5.07	40.98	70.00	-29.02	Peak	VERTICAL
4	3265.00	54.26	29.26	43.79	5.43	45.16	74.00	-28.84	Peak	VERTICAL
5	4850.00	51.31	32.40	43.31	6.85	47.25	74.00	-26.75	Peak	VERTICAL
6	5400.00	51.82	32.86	43.33	7.10	48.45	74.00	-25.55	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

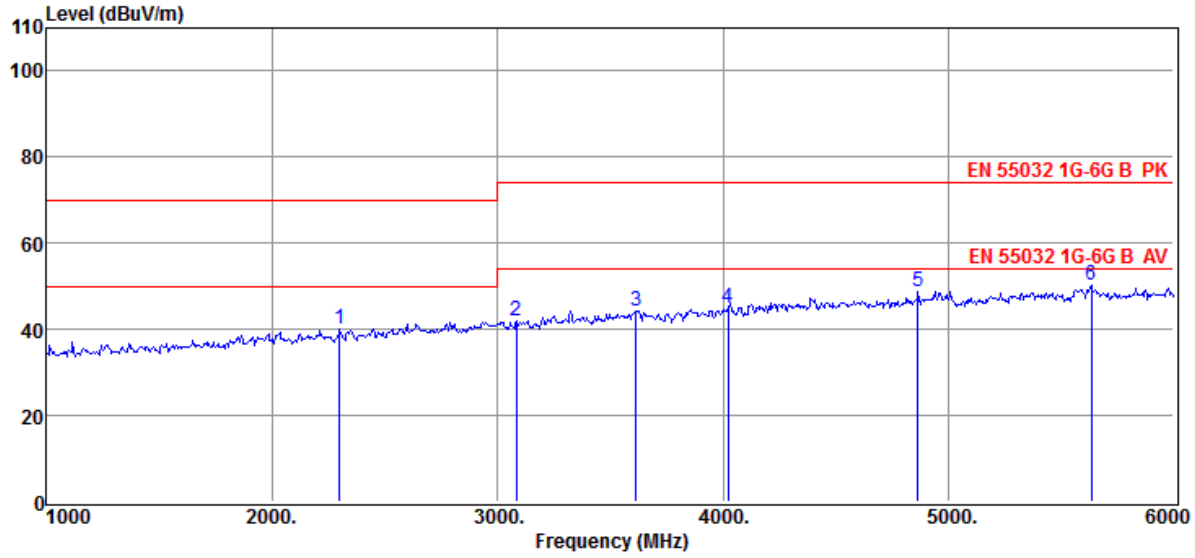
Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-26	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: OPT mode
Condition	: Temp:26.1°C,Humi:59%,Press:101.4kPa	**Antenna/Distance**	: 2020 BBHA9120D/3m/VERTICAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1975.00	49.78	27.43	42.67	4.29	38.83	70.00	-31.17	Peak	VERTICAL
2	2610.00	51.16	28.24	43.36	4.97	41.01	70.00	-28.99	Peak	VERTICAL
3	3250.00	52.55	29.25	43.78	5.41	43.43	74.00	-30.57	Peak	VERTICAL
4	4245.00	52.67	31.04	43.79	6.22	46.14	74.00	-27.86	Peak	VERTICAL
5	4485.00	52.70	31.66	43.59	6.39	47.16	74.00	-26.84	Peak	VERTICAL
6	5410.00	52.54	32.86	43.33	7.11	49.18	74.00	-24.82	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-26	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 110V/60Hz	**Test Mode**	: OPT mode
Condition	: Temp:26.1°C,Humi:59%,Press:101.4kPa	**Antenna/Distance**	: 2020 BBHA9120D/3m/HORIZONTAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2300.00	50.74	27.80	43.04	4.70	40.20	70.00	-29.80	Peak	HORIZONTAL
2	3085.00	51.35	29.15	43.73	5.24	42.01	74.00	-31.99	Peak	HORIZONTAL
3	3615.00	52.92	29.63	43.89	5.75	44.41	74.00	-29.59	Peak	HORIZONTAL
4	4025.00	52.43	30.47	43.98	6.06	44.98	74.00	-29.02	Peak	HORIZONTAL
5	4865.00	52.58	32.43	43.30	6.87	48.58	74.00	-25.42	Peak	HORIZONTAL
6	5635.00	53.24	33.06	43.40	7.20	50.10	74.00	-23.90	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site : DDT 3m Chamber 2#

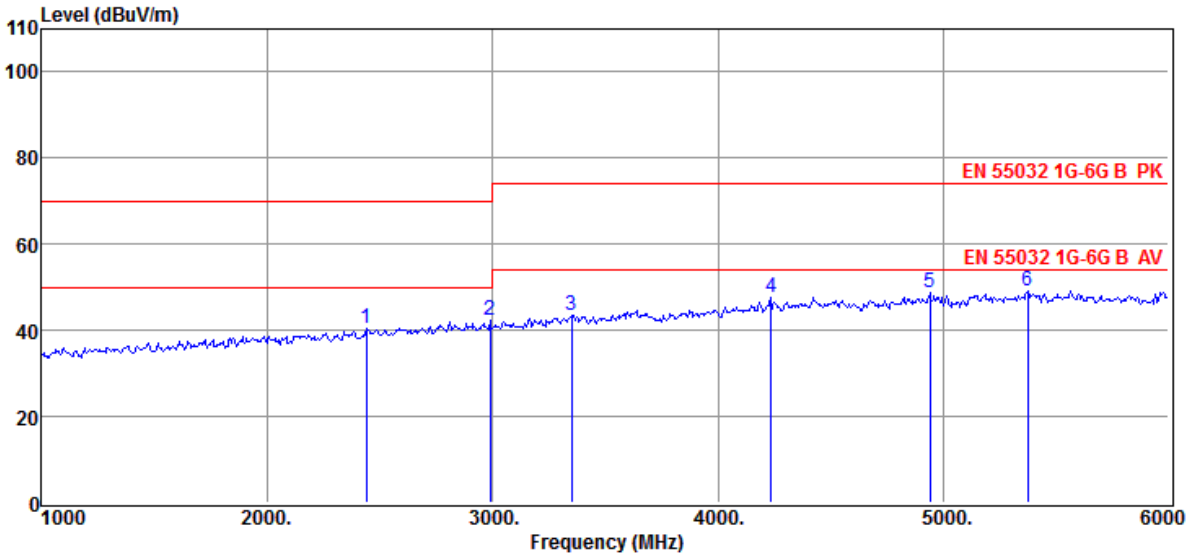
Test Date : 2021-01-26 **Tested By** : Vic Xie

EUT : EDF100021 **Model Number** : EDF100021

Power Supply : AC 230V/50Hz **Test Mode** : OPT mode

Condition : Temp:26.1°C,Humi:59%,Press:101.4kPa **Antenna/Distance** : 2020 BBHA9120D/3m/HORIZONTAL

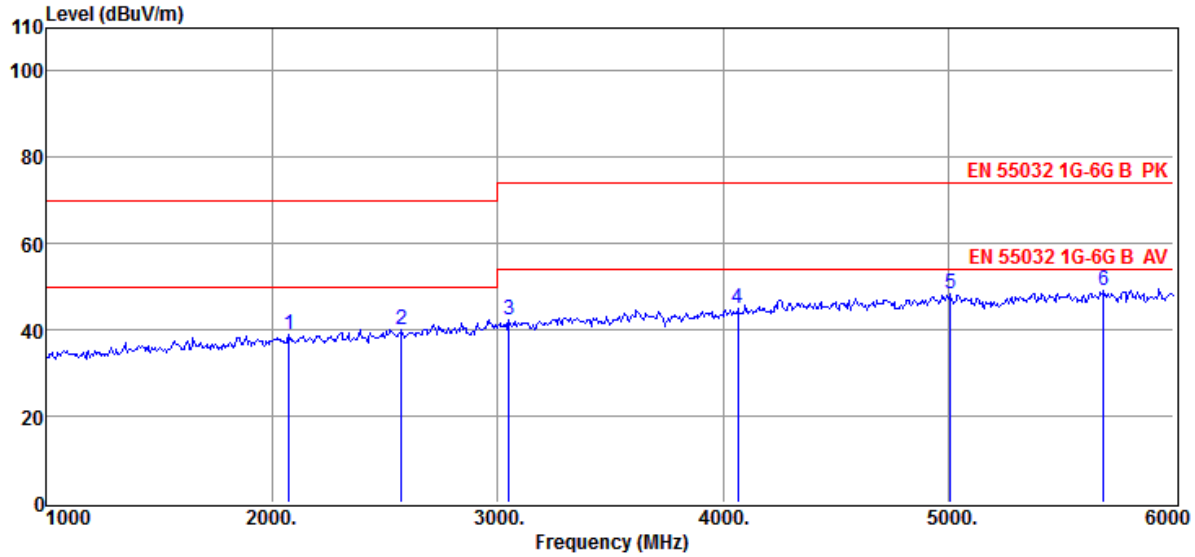
Memo :



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2440.00	50.84	27.94	43.19	4.85	40.44	70.00	-29.56	Peak	HORIZONTAL
2	2990.00	51.74	29.08	43.69	5.15	42.28	70.00	-27.72	Peak	HORIZONTAL
3	3350.00	52.53	29.31	43.82	5.52	43.54	74.00	-30.46	Peak	HORIZONTAL
4	4235.00	54.03	31.01	43.80	6.21	47.45	74.00	-26.55	Peak	HORIZONTAL
5	4940.00	52.31	32.58	43.24	6.97	48.62	74.00	-25.38	Peak	HORIZONTAL
6	5375.00	52.67	32.85	43.32	7.10	49.30	74.00	-24.70	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: DDT 3m Chamber 2#		
Test Date	: 2021-01-26	**Tested By**	: Vic Xie
EUT	: EDF100021	**Model Number**	: EDF100021
Power Supply	: AC 230V/50Hz	**Test Mode**	: OPT mode
Condition	: Temp:26.1°C,Humi:59%,Press:101.4kPa	**Antenna/Distance**	: 2020 BBHA9120D/3m/VERTICAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2075.00	49.59	27.58	42.79	4.42	38.80	70.00	-31.20	Peak	VERTICAL
2	2575.00	50.41	28.17	43.32	4.96	40.22	70.00	-29.78	Peak	VERTICAL
3	3050.00	51.72	29.13	43.72	5.20	42.33	74.00	-31.67	Peak	VERTICAL
4	4065.00	52.24	30.57	43.94	6.09	44.96	74.00	-29.04	Peak	VERTICAL
5	5010.00	52.03	32.70	43.20	7.04	48.57	74.00	-25.43	Peak	VERTICAL
6	5690.00	52.03	33.13	43.41	7.23	48.98	74.00	-25.02	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site : DDT 3m Chamber 2#

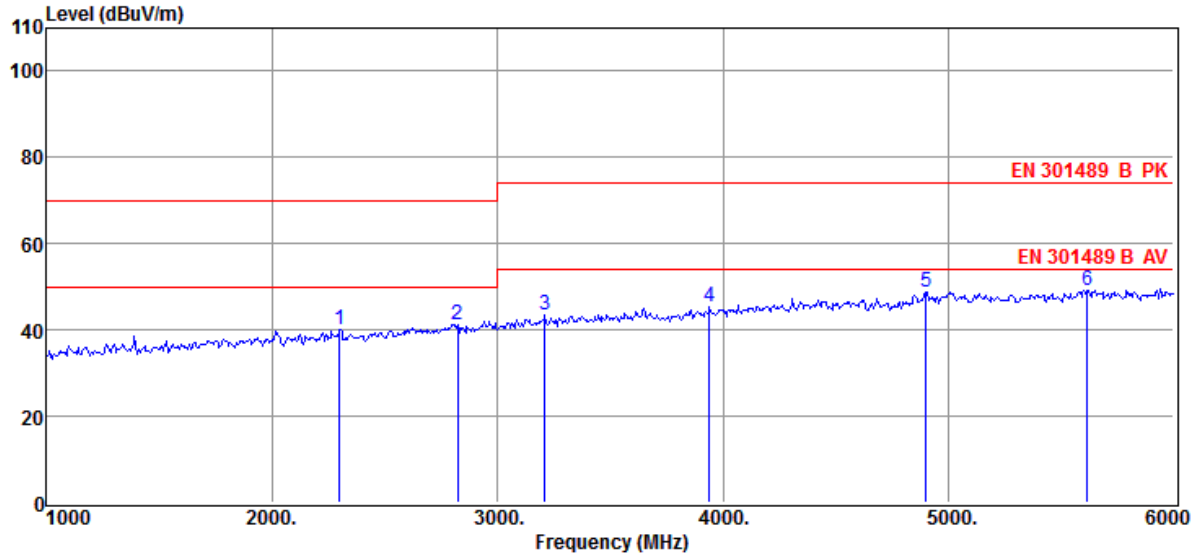
Test Date : 2021-01-26 **Tested By** : Vic Xie

EUT : EDF100021 **Model Number** : EDF100021

Power Supply : AC 230V/50Hz **Test Mode** : BT mode

Condition : Temp:26.1°C,Humi:59%,Press:101.4kPa **Antenna/Distance** : 2020 BBHA9120D/3m/HORIZONTAL

Memo :



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2300.00	50.61	27.80	43.04	4.70	40.07	70.00	-29.93	Peak	HORIZONTAL
2	2825.00	51.09	28.72	43.55	5.07	41.33	70.00	-28.67	Peak	HORIZONTAL
3	3210.00	52.46	29.23	43.77	5.37	43.29	74.00	-30.71	Peak	HORIZONTAL
4	3940.00	53.08	30.28	43.98	6.00	45.38	74.00	-28.62	Peak	HORIZONTAL
5	4900.00	52.69	32.50	43.27	6.92	48.84	74.00	-25.16	Peak	HORIZONTAL
6	5615.00	52.47	33.04	43.39	7.18	49.30	74.00	-24.70	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site : DDT 3m Chamber 2#

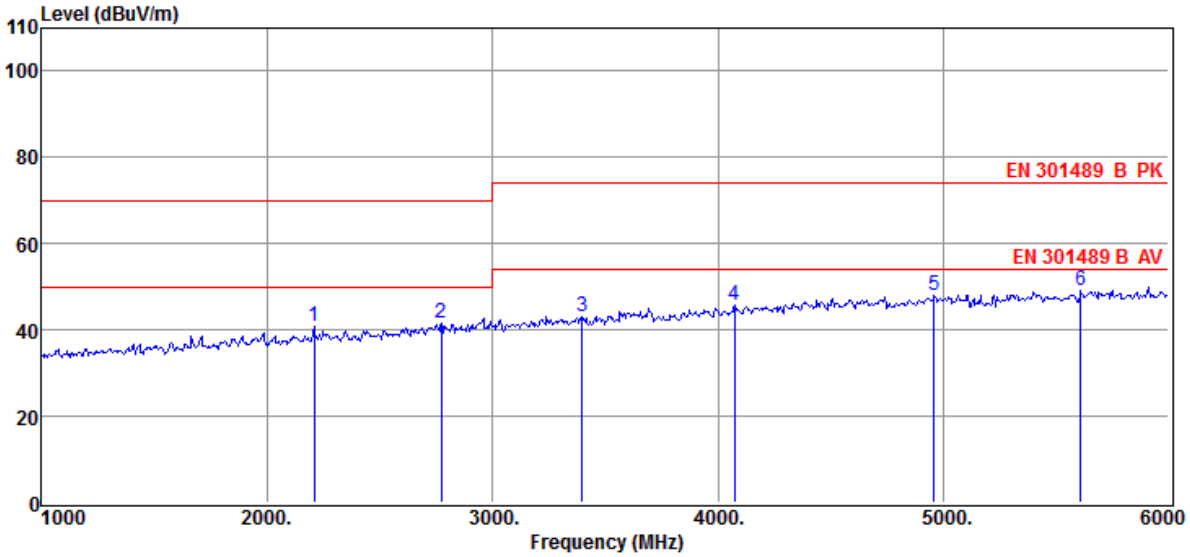
Test Date : 2021-01-26 **Tested By** : Vic Xie

EUT : EDF100021 **Model Number** : EDF100021

Power Supply : AC 230V/50Hz **Test Mode** : BT mode

Condition : Temp:26.1°C,Humi:59%,Press:101.4kPa **Antenna/Distance** : 2020 BBHA9120D/3m/VERTICAL

Memo :



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2210.00	51.58	27.71	42.95	4.59	40.93	70.00	-29.07	Peak	VERTICAL
2	2775.00	51.54	28.60	43.51	5.05	41.68	70.00	-28.32	Peak	VERTICAL
3	3400.00	51.94	29.34	43.83	5.56	43.01	74.00	-30.99	Peak	VERTICAL
4	4075.00	52.97	30.59	43.93	6.10	45.73	74.00	-28.27	Peak	VERTICAL
5	4960.00	51.61	32.62	43.23	6.99	47.99	74.00	-26.01	Peak	VERTICAL
6	5610.00	52.48	33.03	43.39	7.18	49.30	74.00	-24.70	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site : DDT 3m Chamber 2#

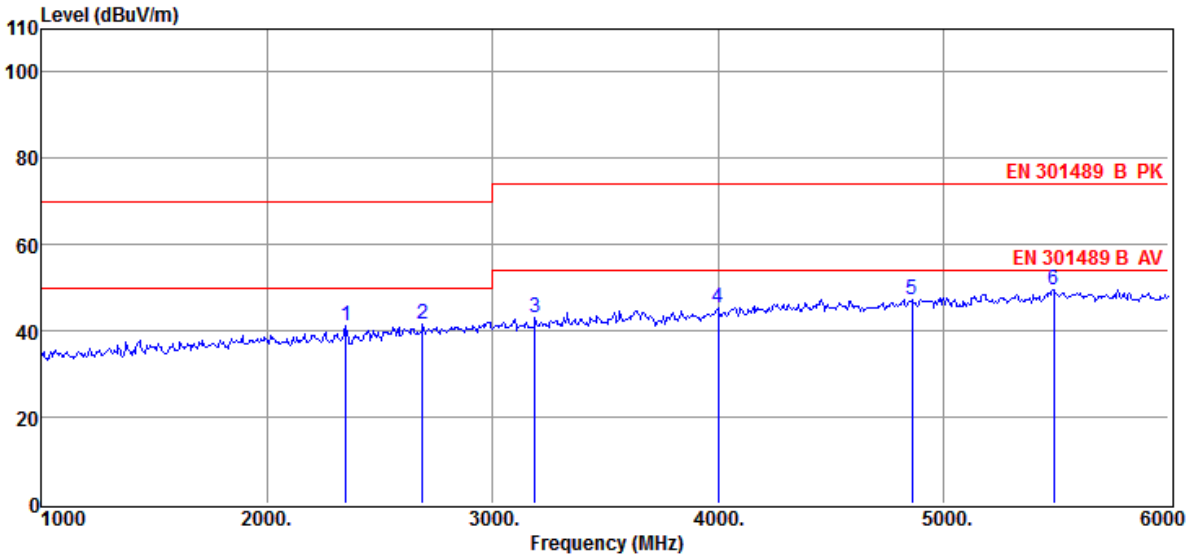
Test Date : 2021-01-26 **Tested By** : Vic Xie

EUT : EDF100021 **Model Number** : EDF100021

Power Supply : AC 110V/60Hz **Test Mode** : BT mode

Condition : Temp:26.1°C,Humi:59%,Press:101.4kPa **Antenna/Distance** : 2020 BBHA9120D/3m/VERTICAL

Memo :



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2350.00	51.55	27.85	43.10	4.75	41.05	70.00	-28.95	Peak	VERTICAL
2	2690.00	51.51	28.42	43.43	5.01	41.51	70.00	-28.49	Peak	VERTICAL
3	3190.00	52.26	29.21	43.76	5.35	43.06	74.00	-30.94	Peak	VERTICAL
4	4000.00	52.92	30.40	44.00	6.04	45.36	74.00	-28.64	Peak	VERTICAL
5	4860.00	51.32	32.42	43.30	6.87	47.31	74.00	-26.69	Peak	VERTICAL
6	5490.00	52.73	32.90	43.35	7.12	49.40	74.00	-24.60	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site : DDT 3m Chamber 2#

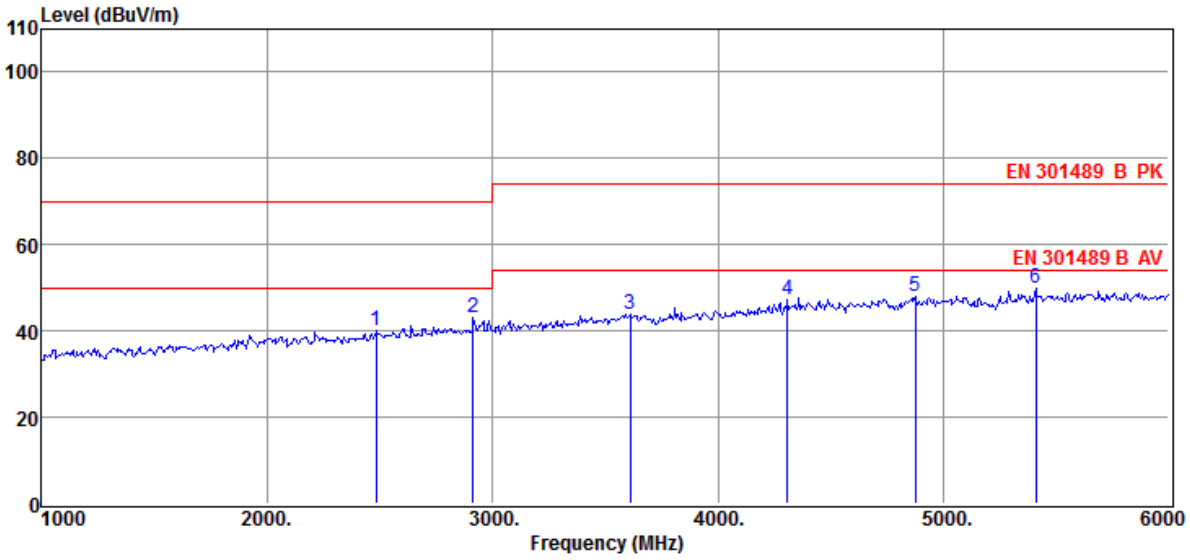
Test Date : 2021-01-26 **Tested By** : Vic Xie

EUT : EDF100021 **Model Number** : EDF100021

Power Supply : AC 110V/60Hz **Test Mode** : BT mode

Condition : Temp:26.1°C,Humi:59%,Press:101.4kPa **Antenna/Distance** : 2020 BBHA9120D/3m/HORIZONTAL

Memo :



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2485.00	50.27	27.99	43.24	4.90	39.92	70.00	-30.08	Peak	HORIZONTAL
2	2915.00	52.58	28.91	43.63	5.11	42.97	70.00	-27.03	Peak	HORIZONTAL
3	3610.00	52.44	29.62	43.89	5.75	43.92	74.00	-30.08	Peak	HORIZONTAL
4	4310.00	53.60	31.21	43.73	6.27	47.35	74.00	-26.65	Peak	HORIZONTAL
5	4875.00	51.95	32.45	43.29	6.89	48.00	74.00	-26.00	Peak	HORIZONTAL
6	5410.00	53.16	32.86	43.33	7.11	49.80	74.00	-24.20	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.