Prüfbericht-Nr.: *Test report no.:*	**CN231KVC 001**	**Auftrags-Nr.:** *Order no.:*	168441508	Seite 1 von 28 *Page 1 of 28*
Kunden-Referenz-Nr.: *Client reference no.:*	N/A	**Auftragsdatum:** *Order date:*	2023-07-18	
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.:*	EDF286005 （Trademark: EDIFIER）			
Auftrags-Inhalt: *Order content:*	Type test			
Prüfgrundlage: *Test specification:*	EN 64279:2010 EN 300 328 V2.2.2 (2019-07)	BS EN 62479:2010 ETSI EN 300 328 V2.2.2 (2019-07)		

Wareneingangsdatum: *Date of sample receipt:*	2023-07-19
Prüfmuster-Nr.: *Test sample no.:*	Q23071809-2E
Prüfzeitraum: *Testing period:*	2023-07-24 - 2023-08-24
Ort der Prüfung: *Place of testing:*	Guangdong Dongdian Testing Service Co. , Ltd.
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.
Prüfergebnis*: *Test result*:*	Pass



geprüft von: *tested by:*	X Signed by: Harry W. C. Wu	**genehmigt von:** *authorized by:*	X Signed by: Alex Lan
Datum: *Date:* 2023-11-27		**Ausstellungsdatum:** *Issue date:* 2023-11-28	
Stellung / Position	Project Manager	**Stellung** / Position	Reviewer

Sonstiges / *Other:* This report is for Article 3.2 Radio Spectrum and Article 3.1a Health requirements only.

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

* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
** Legend:*	*P(ass) = passed a.m. test specification(s)*	*F(ail) = failed a.m. test specification(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.

TÜV Rheinland (Shenzhen) Co., Ltd. 1601 R&D Room, 1602-1604, 17-18F, Building 7 Site C, Vanke Cloud City Phase I, Xingke First Street, Xili Street, Xili Community, Nanshan District, Shenzhen 518052, P.R. China
Mail: service@de.tuv.com · Web: www.tuv.com

Anmerkungen
Remarks

1	The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request. *Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.* *Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.*
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3	Test clauses with remark of * are subcontracted to qualified subcontractors and descripted under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report. *Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.*
4	The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the “Zero Guard Band Rule” and “Simple Acceptance” in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019. *Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnisen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezueglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.*

Test Summary

5.1.1 RF OUTPUT POWER
RESULT: Pass

5.1.2 POWER SPECTRAL DENSITY
RESULT: Pass

5.1.3 DUTY CYCLE, TX-SEQUENCE, TX-GAP
RESULT: Not applicable

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

5.1.5 HOPPING FREQUENCY SEPARATION
RESULT: Pass

5.1.6 MEDIUM UTILISATION (MU) FACTOR
RESULT: Not applicable

5.1.7 ADAPTIVITY
RESULT: Pass

5.1.8 OCCUPIED CHANNEL BANDWIDTH
RESULT: Pass

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

5.1.10 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

6.1.1 ELECTROMAGNETIC FIELDS
RESULT: Pass

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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 of Classical Bluetooth.
Appendix B: Test Results of Bluetooth Low Energy.

2 Test Sites

2.1 Test Facilities

Guangdong Dongdian Testing Service Co. , Ltd.
Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan City 523808, GuangdongProvince, 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 4#)					
Signal &Spectrum analyzer	R&S	FSV40	101407	Jun. 12, 2023	1 Year
Wideband Radio Communication tester	R&S	CMW500	117491	Apr. 27, 2023	1 Year
EXG Analog Signal Generator	KEYSIGHT	N5173B	MY62153058	Aug. 25, 2023	1 Year
Vector Signal Generator	Agilent	N5182A	MY48180912	Apr. 23, 2023	1 Year
RF Control Unit	Tonscend	JS0806-2	20C8060230	Apr. 27, 2023	1 Year
Temp&Humi Programmable	ZHIXIANG	ZXGDJS-150L	ZX170110-A	May 15, 2023	1 Year
Test Software	JS Tonscend	JS1120-3	Ver.3.2.22	N/A	N/A
☒Radiation 3#chamber					
EMI Test Receiver	R&S	ESU26	100472	Apr. 23, 2023	1 Year
Spectrum analyzer	Agilent	E4447A	MY50180031	Apr. 23, 2023	1 Year
Active Loop antenna	Schwarzbeck	FMZB-1519	1519-038	Sep. 29, 2023	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	01429	Jul. 12, 2023	2 Year
Double Ridged Horn Antenna	Schwarzbeck	BBHA9120 D	02468	Sep. 29, 2023	1 Year
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	790	Apr. 26, 2023	1 Year
Pre-amplifier	COM-POWER	PAM-118A	18040084	Jul. 15, 2023	1 Year
Pre-amplifier	COM-POWER	PAM-840A	461369	Apr. 27, 2023	1 Year
RE Cable	N/A	W23.02 CP1-X2 + W23.09 AP1-X8+ JCT26S-NJ-NJ-1.5M	4.5M+8M+1.5M	Apr. 21, 2023	1 Year
RF Cable	Yuhu Technology	JCTB810-NJ-NJ-9M+ ZT26S-SMAJ-SMAJ-1M	21123964	Apr. 23, 2023	1 Year
Micro-Tronics filters	REBES	BRM50702	G555	N/A	N/A
Micro-Tronics filters	REBES	BRM50716	G392	N/A	N/A
High Pass filter	XB	XBLBQ-GTA67	210820-2-3	N/A	N/A
Test software	Tonscend	JS32-RE	V 5.0.0.1	N/A	N/A

2.3 Uncertainty of Measurement

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

Table 2: Maximum Measurement Uncertainty

Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum Analyzer)	0.86 dB (10 MHz ≤ f < 3.6 GHz);
	1.38 dB (3.6 GHz ≤ f < 8 GHz)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB (10 MHz ≤ f < 3.6 GHz);
	1.38 dB (3.6 GHz ≤ f < 8 GHz)
Frequencies Stability	6.7×10^{-8} (Antenna couple method)
	5.5×10^{-8} (Conducted method)
Conducted Spurious Emissions	0.86 dB (10 MHz ≤ f < 3.6 GHz);
	1.40 dB (3.6 GHz ≤ f < 8 GHz)
	1.66 dB (8 GHz≤ f < 22 GHz)
Uncertainty for Radio Frequency (RBW<20 Khz)	3×10^{-8}
Temperature	0.4 ℃
Humidity	2 %
Uncertainty for Radiation Emission Test (9khz -30 Mhz)	3.44 dB
Uncertainty for Radiation Emission Test (30 Mhz-1 Ghz)	4.70 dB (Antenna Polarize: V)
	4.84 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission Test (1 Ghz-40 Ghz)	4.10 dB (1-6 GHz)
	4.40 dB (6 GHz-18 GHz)
	3.54 dB (18 GHz-26 GHz)
	4.30 dB (26 GHz-40 GHz)
Uncertainty for Power Line Conduction Emission Test	3.32 dB (150 kHz-30 MHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3 General Product Information

3.1 Product Function and Intended Use

The EUT is a Multimedia Speaker, which supported Bluetooth dual mode technologies.

There are two building-in AC/DC power supplies in the equipment, one is suppling for the amplifier and speakers and one is GaN power supply for the USB Type-C and USB type-A outputs.
The GaN power supply has two different manufacturers (SHENZHEN HUAKESHENG DIGITAL TECHNOLOGY CO.,LTD and LianGang Optoelectronic Technology Co.,Ltd.).

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	EDF286005
Trade Mark	EDIFIER
Extreme Temperature Range	0°C - +35°C
Operating Voltage	AC 100-240V, 50/60Hz, 1.5A
Technical Specification of Bluetooth (BDR & EDR)	
Operating Frequency band	2402 – 2480 MHz
Bluetooth Core Version	5.3
Channel Number	79 channels
Channel separation	1MHz
Modulation	GFSK, π/4DQPSK, 8DPSK
Antenna Type	PIFA Type
Antenna Gain	-0.29 dBi (Provided by the Client)
Technical Specification of Bluetooth (Bluetooth Low Energy)	
Operating Frequency	2402 – 2480 MHz
Bluetooth Core Version	5.3
Data rate	1Mbps
Channel Number	40 channels
Channel separation	2MHz
Modulation	GFSK
Antenna Type	PIFA Type
Antenna Gain	-0.29 dBi (Provided by the Client)

Table 4: RF Channel and Frequency of Classical Bluetooth

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		

Table 5: RF Channel and Frequency of Bluetooth Low Energy

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
00	**2402.00**	10	2422.00	20	2442.00	30	2462.00
01	2404.00	11	2424.00	21	2444.00	31	2464.00
02	2406.00	12	2426.00	22	2446.00	32	2466.00
03	2408.00	13	2428.00	23	2448.00	33	2468.00
04	2410.00	14	2430.00	24	2450.00	34	2470.00
05	2412.00	15	2432.00	25	2452.00	35	2472.00
06	2414.00	16	2434.00	26	2454.00	36	2474.00
07	2416.00	17	2436.00	27	2456.00	37	2476.00
08	2418.00	18	2438.00	28	2458.00	38	2478.00
09	2420.00	**19**	**2440.00**	29	2460.00	**39**	**2480.00**

3.3 Independent Operation Modes

The basic operation modes are:

A. On, Bluetooth mode (BDR & EDR & BLE)
   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. Off

3.4 Noise Generating and Noise Suppressing Parts

For details refer to the Circuit Diagram.

3.5 Submitted Documents

- Block Diagram
- Schematics
- User Manual
- Rating Label

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.

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.

According to the clause 3.1, the two different GaN power supply only affects Radiated Spurious Emission (below 1G). Therefore, this test items have tested for the two power supplies, and the rest test items only record the worst power supply data.

4.3 Special Accessories and Auxiliary Equipment

Table 6: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N
Notebook	Lenovo	ThinkPad X2502	2014AP6082

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 Clause 4.3.2.2 of EN 300 328
Limit	:	Clause 4.3.1.2.3 of EN 300 328 Clause 4.3.2.2.3 of EN 300 328
Test suites	:	Clause 5.4.2 of EN 300 328
Test Setup		
Date of testing	:	2023-07-24 to 2023-08-24
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal and extreme temperature
Operation mode	:	A.1
Ambient temperature	:	26.3 ℃
Relative humidity	:	43.1 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A & B.

5.1.2 Power Spectral Density

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.2.3 of EN 300 328
Limit	:	Clause 4.3.2.3.3 of EN 300 328
Test suites	:	Clause 5.4.3 of EN 300 328

Test Setup

Date of testing	:	2023-07-24 to 2023-08-24
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	26.3 ℃
Relative humidity	:	43.1 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix B.

5.1.3 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 Condition(s):

☒ These requirements apply to non-adaptive equipment or to adaptive equipment when operating in non-adaptive mode. The equipment is using wide band modulations other than FHSS.

Conclusion:

The EUT is adaptive equipment and does not support non-adaptive mode, hence this requirement is not applicable.

5.1.4 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	:	2023-07-24 to 2023-08-24
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	26.3 ℃
Relative humidity	:	43.1 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A.

5.1.5 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	:	2023-07-24 to 2023-08-24
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	26.3 ℃
Relative humidity	:	43.1 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A.

5.1.6 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
		Clause 4.3.2.5 of EN 300 328
Limit	:	Clause 4.3.1.6.3 of EN 300 328
		Clause 4.3.2.5.3 of EN 300 328
Test suites	:	Clause 5.4.2 of EN 300 328

Exemption Condition(s):
☒ These requirements apply to non-adaptive equipment or to adaptive equipment when operating in non-adaptive mode. The equipment is using wide band modulations other than FHSS.

Conclusion:
The EUT is adaptive equipment and does not support non-adaptive mode, hence this requirement is not applicable.

5.1.7 Adaptivity

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.7.2 of EN 300 328
		Clause 4.3.2.6.3 of EN 300 328
Limit	:	Clause 4.3.1.7.2.2 of EN 300 328
		Clause 4.3.2.6.3.2 of EN 300 328
Test suites	:	Clause 5.4.6 of EN 300 328

Test Setup

Date of testing	:	2023-07-24 to 2023-08-24
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	26.3 ℃
Relative humidity	:	43.1 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A.

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:

For Bluetooth-EDR and Bluetooth Low Energy: The maximum declared RF output power is less than 10dBm e.i.r.p., hence this requirement is not applicable.

5.1.8 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
		Clause 4.3.2.7 of EN 300 328
Limit	:	Clause 4.3.1.8.3 of EN 300 328
		Clause 4.3.2.7.3 of EN 300 328
Test suites	:	Clause 5.4.7 of EN 300 328

Test Setup

Date of testing	:	2023-07-24 to 2023-08-24
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	26.3 ℃
Relative humidity	:	43.1 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A & B.

5.1.9 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
		Clause 4.3.2.8 of EN 300 328
Limit	:	Clause 4.3.1.9.3 of EN 300 328
		Clause 4.3.2.8.3 of EN 300 328
Test suites	:	Clause 5.4.8 of EN 300 328

Test Setup

Date of testing	:	2023-07-24 to 2023-08-24
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	26.3 ℃
Relative humidity	:	43.1 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A & B.

5.1.10 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
		Clause 4.3.2.9 of EN 300 328
Limit	:	Clause 4.3.1.10.3 of EN 300 328
		Clause 4.3.2.9.3 of EN 300 328
Test suites	:	Clause 5.4.9 of EN 300 328

Test Setup

Date of testing	:	2023-07-24 to 2023-08-24
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	Refer to test data
Relative humidity	:	Refer to test data
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A & B

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 Clause 4.3.2.10 of EN 300 328
Limit	:	Clause 4.3.1.11.3 of EN 300 328 Clause 4.3.2.10.3 of EN 300 328
Test suites	:	Clause 5.4.10 of EN 300 328

Test Setup

Date of testing	:	2023-07-24 to 2023-08-24
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.2
Ambient temperature	:	Refer to test data
Relative humidity	:	Refer to test data
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A & B.

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
		Clause 4.3.2.11 of EN 300 328
Limit	:	Clause 4.3.1.12.4 of EN 300 328
		Clause 4.3.2.11.3 of EN 300 328
Test suites	:	Clause 5.4.11 of EN 300 328

Test Setup

Date of testing	:	2023-07-24 to 2023-08-24
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.2
Ambient temperature	:	24.8 ℃
Relative humidity	:	40.3 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A & B.

For Bluetooth-BDR: the maximum RF output power is 10.48dBm.
For Bluetooth-EDR: the maximum RF output power is 8.54dBm.
For Bluetooth-BLE: the maximum RF output power is 1.13dBm.

Hence according to the 4.2.3.2, the Bluetooth-BDR of EUT is belong category 1 receiver and Bluetooth-EDR&BLE is belong category 2 receiver.

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 Clause 4.3.2.12 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 and 4.3.2.12.2.

Conclusion:

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

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 conducted power of EUT is only 10.48 dBm (11.169mW).

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 Condition



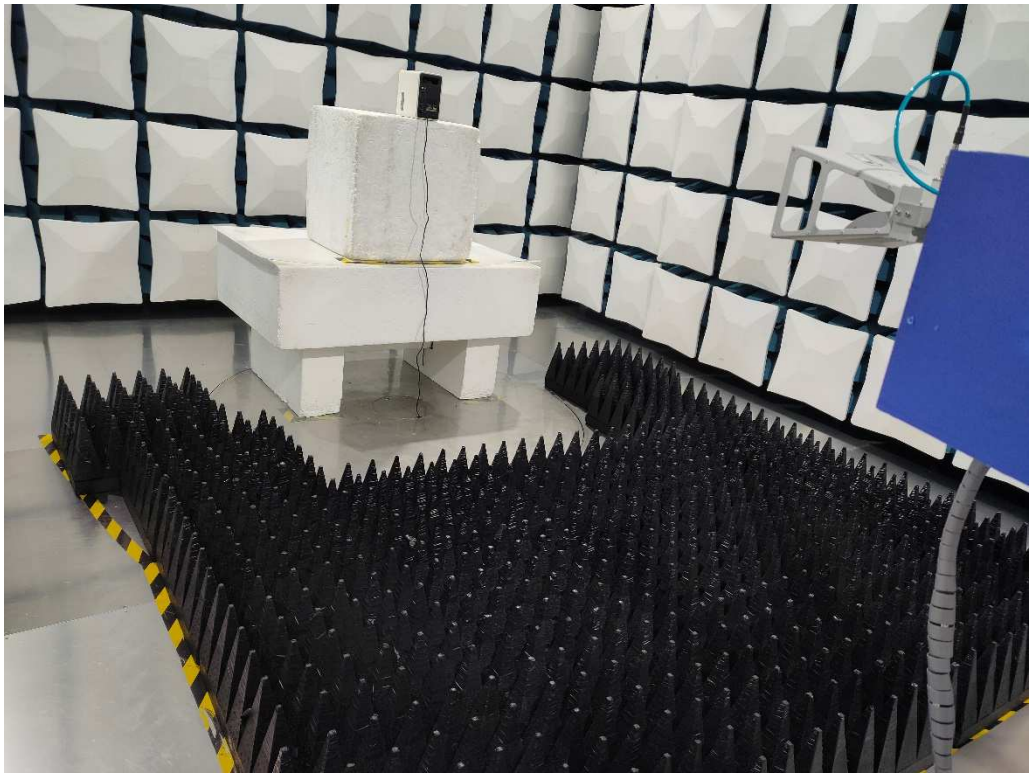
Photograph 2: Set-up for Radio Spectrum Testing, Extreme Condition



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



Photograph 4: Set-up for Transmitter & Receiver Spurious Emissions, Above 1GHz



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Appendix A

Test Results of Classical Bluetooth

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1 Appendix A.1 : RF output power

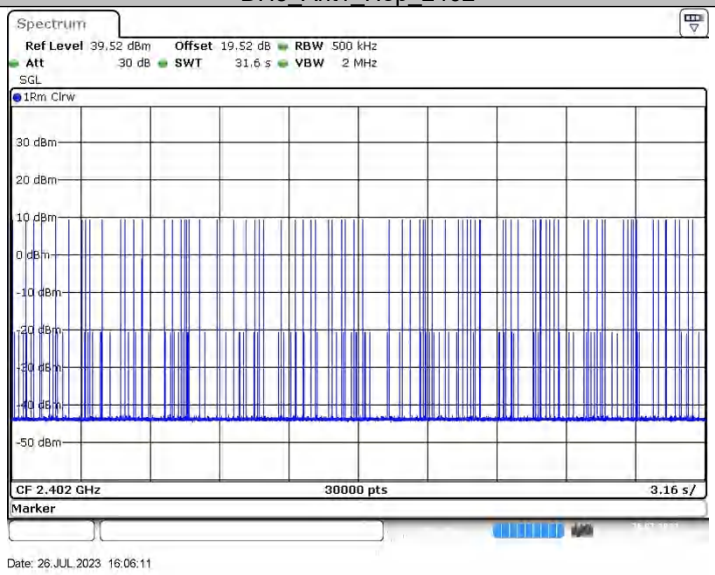
The RF output power is the mean equivalent isotropically radiated power (EIRP) during a transmission burst.
Only the worst case for all test modes reported.

Test Condition	Test Mode	Antenna	Frequency [MHz]	EIRP [dBm]	Limit [dBm]	Verdict
NTNV	DH1	Ant1	Hop	10.48	20	PASS
	DH5	Ant1	Hop	10.37	20	PASS
	2DH1	Ant1	Hop	8.54	20	PASS
	2DH5	Ant1	Hop	7.59	20	PASS
	3DH1	Ant1	Hop	8.56	20	PASS
	3DH5	Ant1	Hop	7.67	20	PASS
LTNV	DH1	Ant1	Hop	10.45	20	PASS
	DH5	Ant1	Hop	10.21	20	PASS
	2DH1	Ant1	Hop	8.54	20	PASS
	2DH5	Ant1	Hop	7.14	20	PASS
	3DH1	Ant1	Hop	8.54	20	PASS
	3DH5	Ant1	Hop	7.59	20	PASS
HTNV	DH1	Ant1	Hop	10.48	20	PASS
	DH5	Ant1	Hop	10.47	20	PASS
	2DH1	Ant1	Hop	8.50	20	PASS
	2DH5	Ant1	Hop	7.59	20	PASS
	3DH1	Ant1	Hop	8.52	20	PASS
	3DH5	Ant1	Hop	7.45	20	PASS

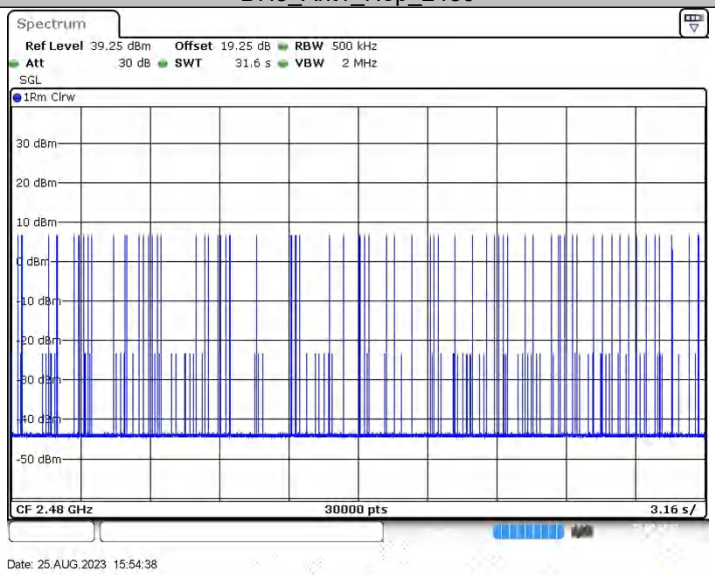
2 Appendix A.2 : Accumulated Transmit Time

Test Mode	Antenna	Channel	Result [ms]	Limit [ms]	Verdict
DH5	Ant1	Hop_2402	248.579	400	PASS
		Hop_2480	220.140	400	PASS
2DH5	Ant1	Hop_2402	222.246	400	PASS
		Hop_2480	250.685	400	PASS
3DH5	Ant1	Hop_2402	242.259	400	PASS
		Hop_2480	244.366	400	PASS

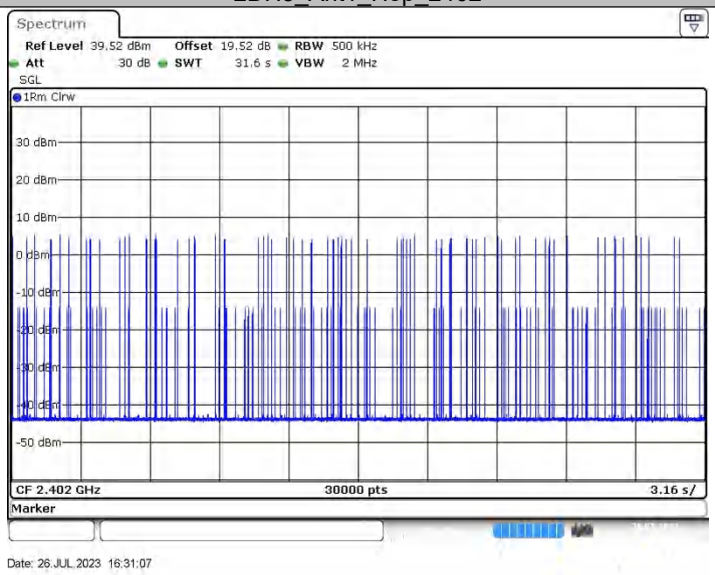
DH5_Ant1_Hop_2402



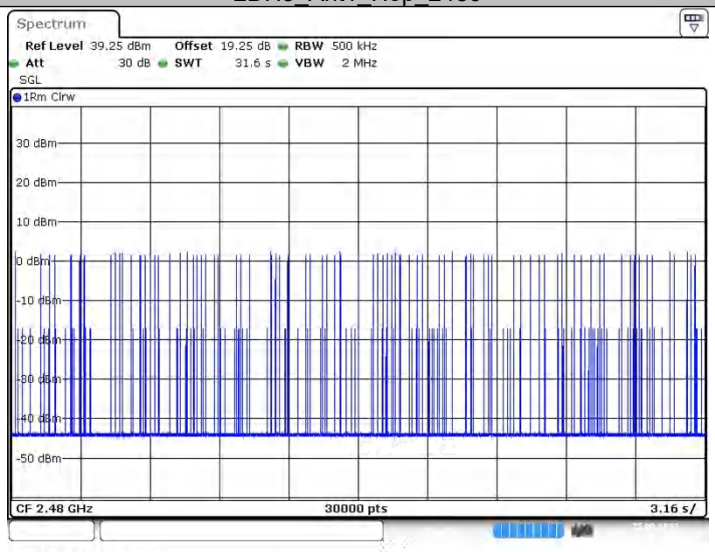
DH5_Ant1_Hop_2480



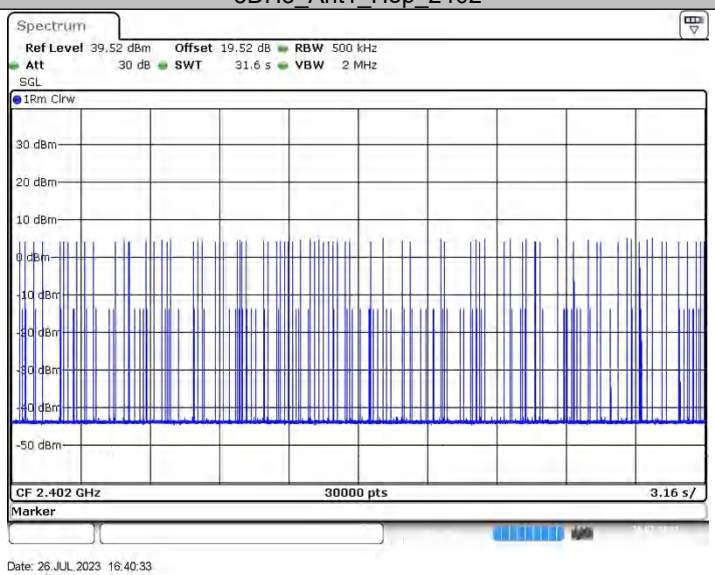
2DH5_Ant1_Hop_2402



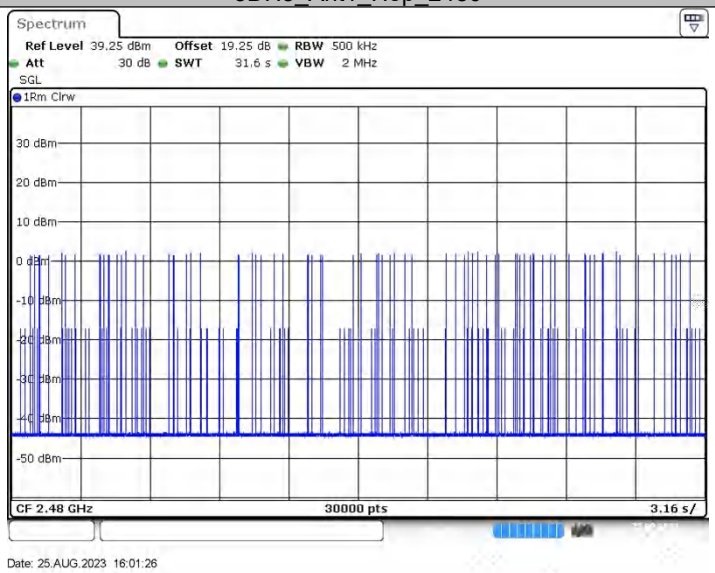
2DH5_Ant1_Hop_2480



3DH5_Ant1_Hop_2402



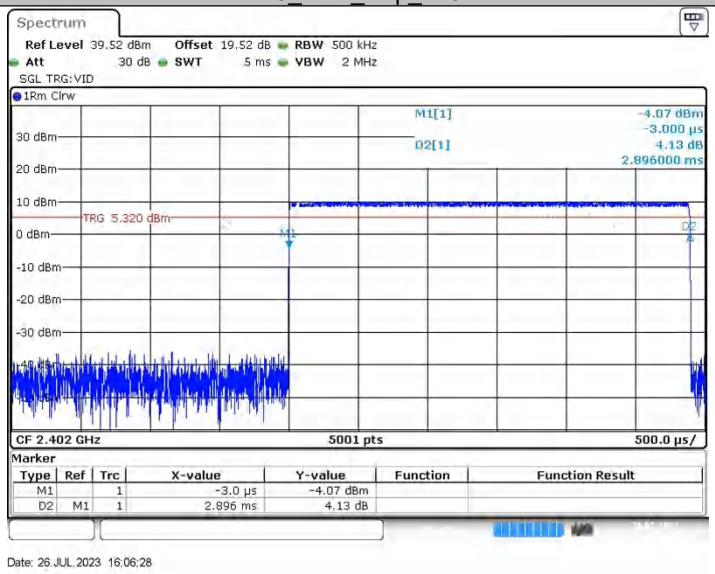
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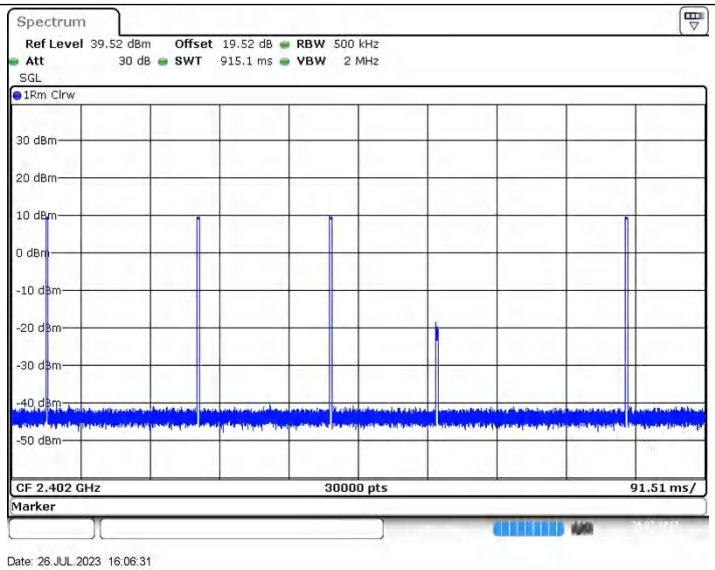


3 Appendix A.3 : Frequency Occupation

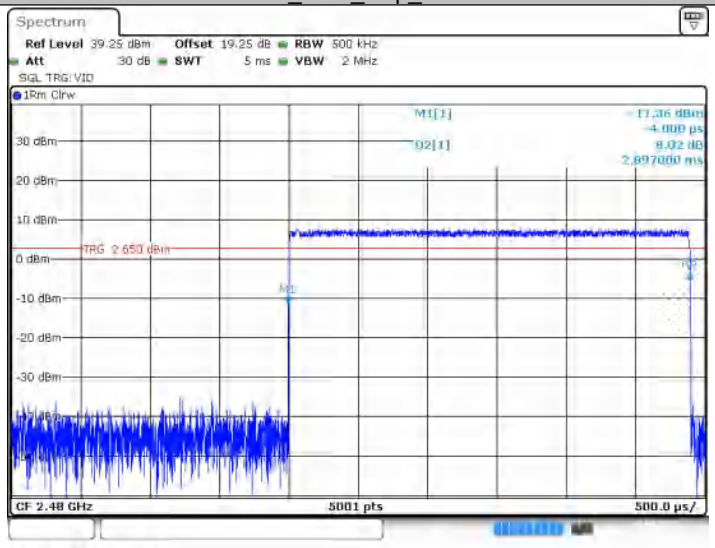
Test Mode	Antenna	Channel	Result [Num.]	Limit [Num.]	Verdict
DH5	Ant1	Hop_2402	4	1	PASS
		Hop_2480	3	1	PASS
2DH5	Ant1	Hop_2402	4	1	PASS
		Hop_2480	1	1	PASS
3DH5	Ant1	Hop_2402	2	1	PASS
		Hop_2480	2	1	PASS

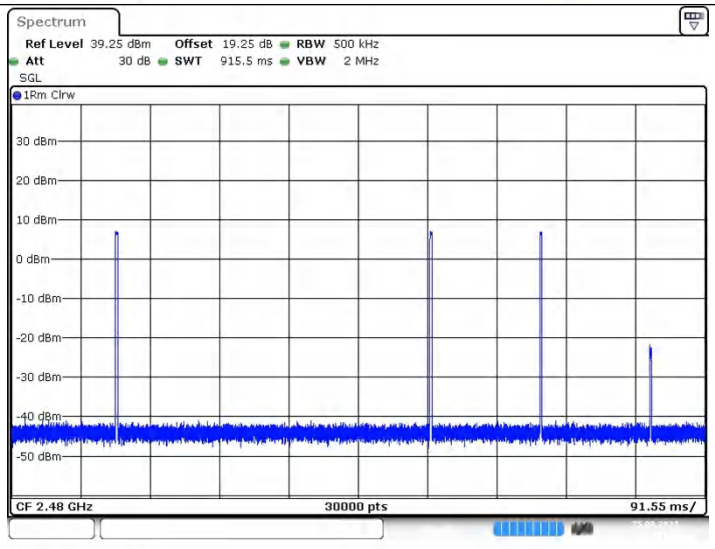
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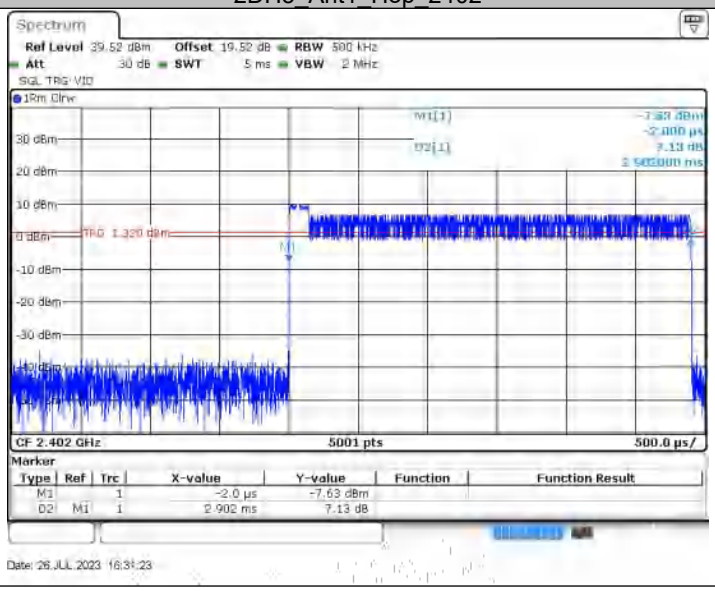


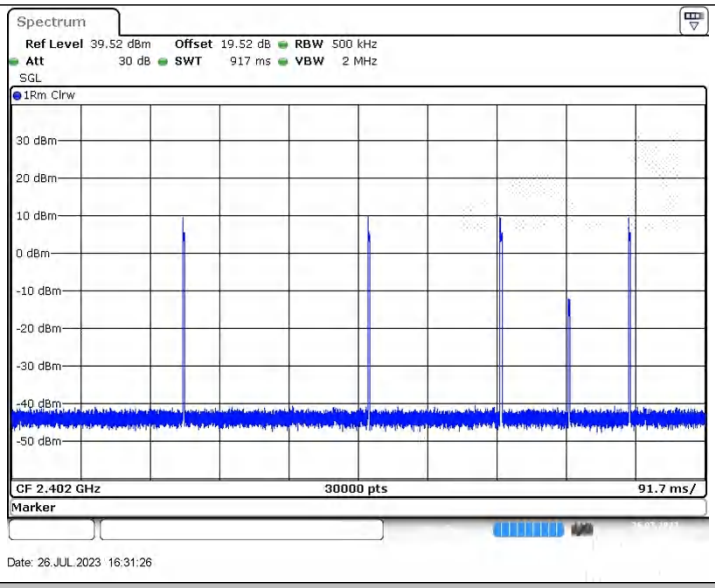
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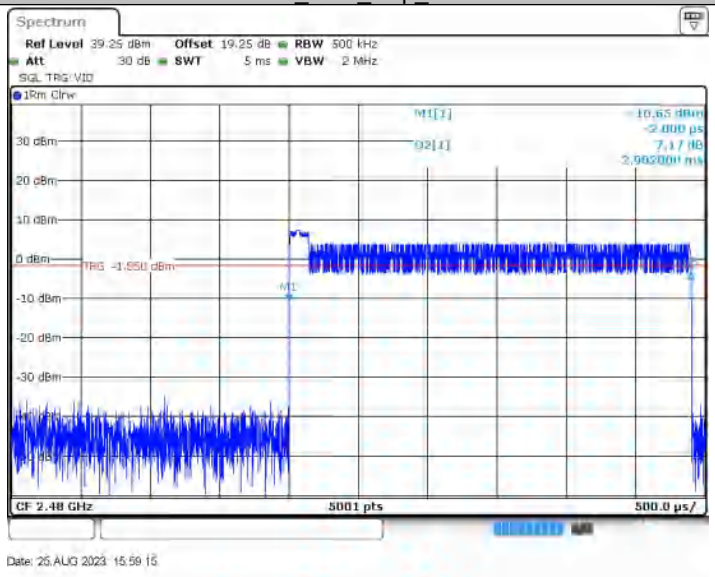


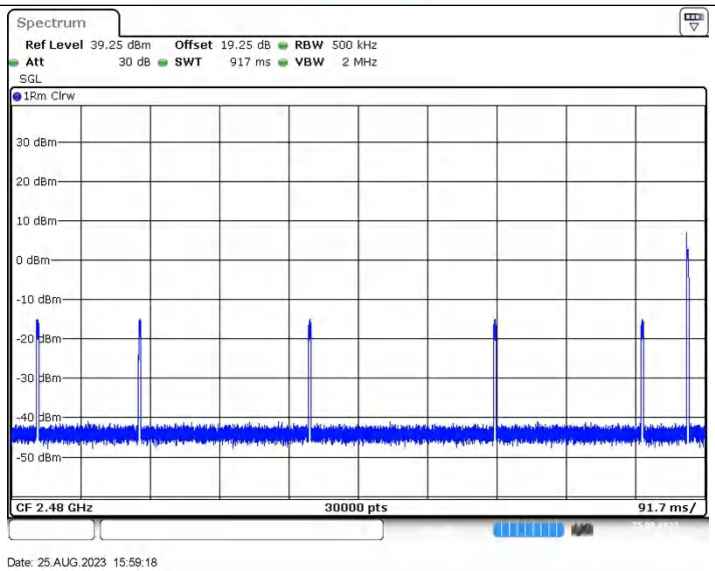
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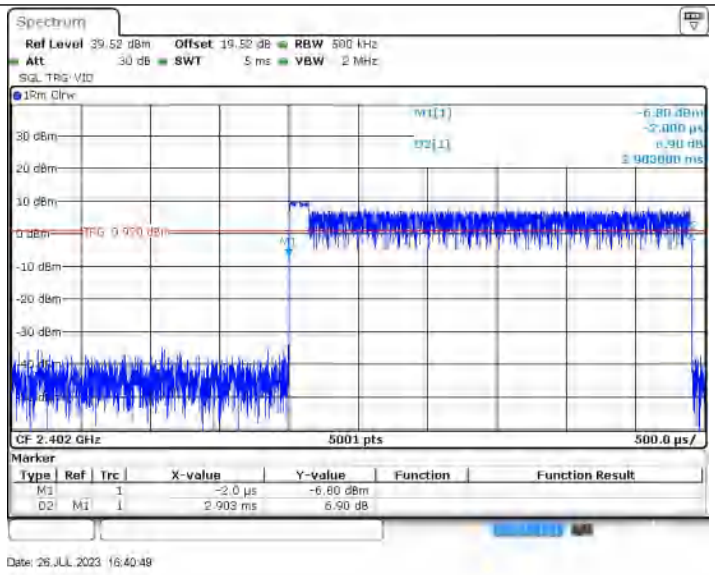


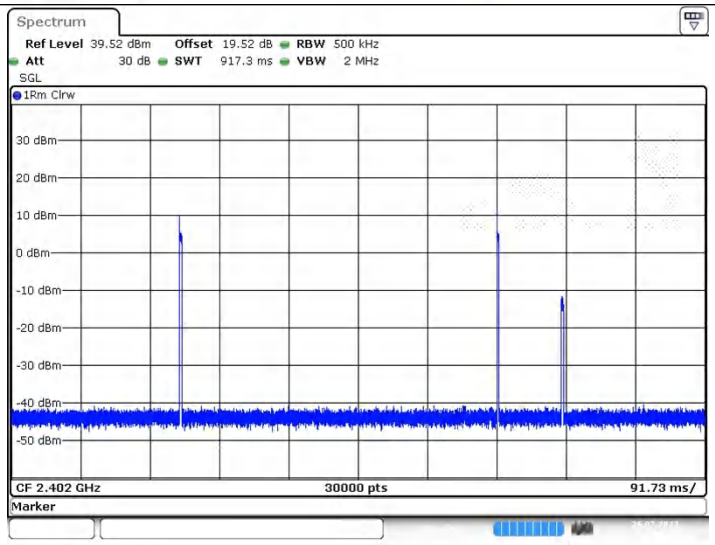
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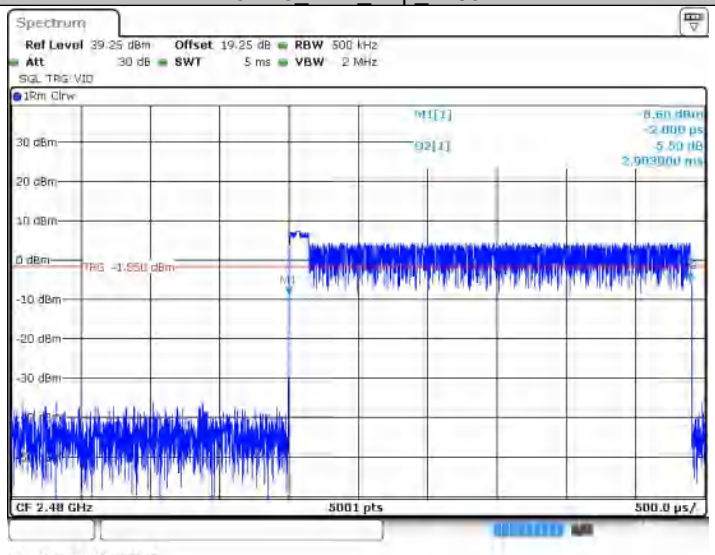


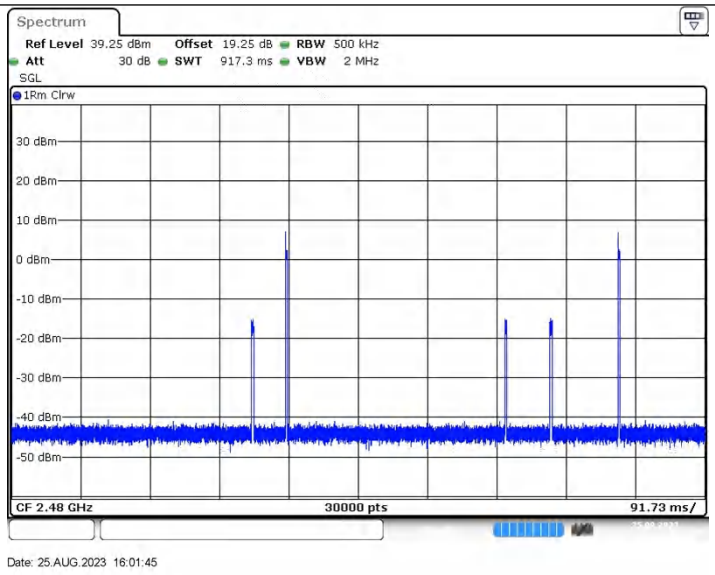
3DH5_Ant1_Hop_2402





3DH5_Ant1_Hop_2480

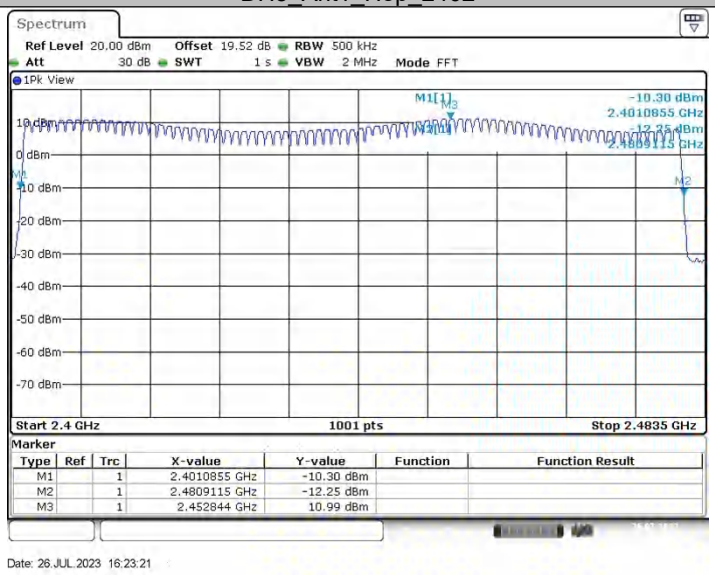



Spectrum
Ref Level 39.25 dBm Offset 19.25 dB RBW 500 kHz
Att 30 dB SWT 917.3 ms VBW 2 MHz
SGL
1Rm Clrw
30 dBm
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
CF 2.48 GHz
30000 pts
91.73 ms/
Date: 25.AUG.2023 16:01:45

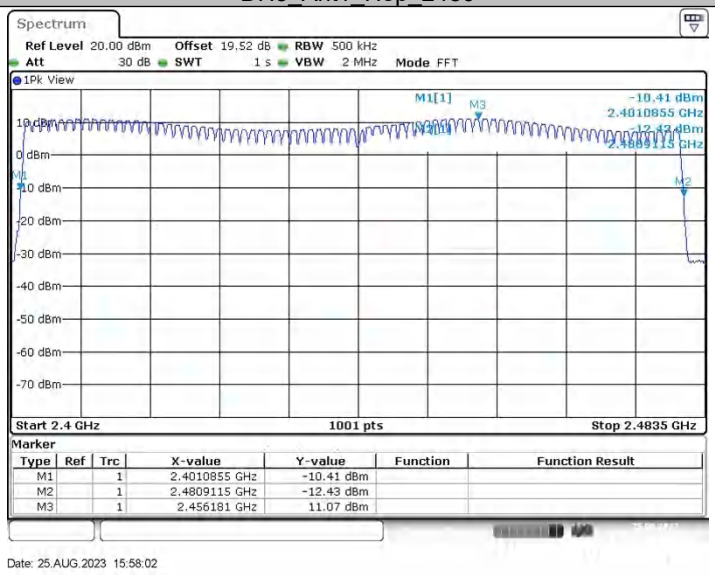
4 Appendix A.4 : Hopping Sequence

Test Mode	Antenna	Channel	Hop. [Num.]	Limit [Num.]	Band Use [%]	Limit [%]	Verdict
DH5	Ant1	Hop_2402	79	15	95.60	70	PASS
		Hop_2480	79	15	95.60	70	PASS
2DH5	Ant1	Hop_2402	79	15	96.00	70	PASS
		Hop_2480	79	15	96.00	70	PASS
3DH5	Ant1	Hop_2402	79	15	96.10	70	PASS
		Hop_2480	79	15	96.00	70	PASS

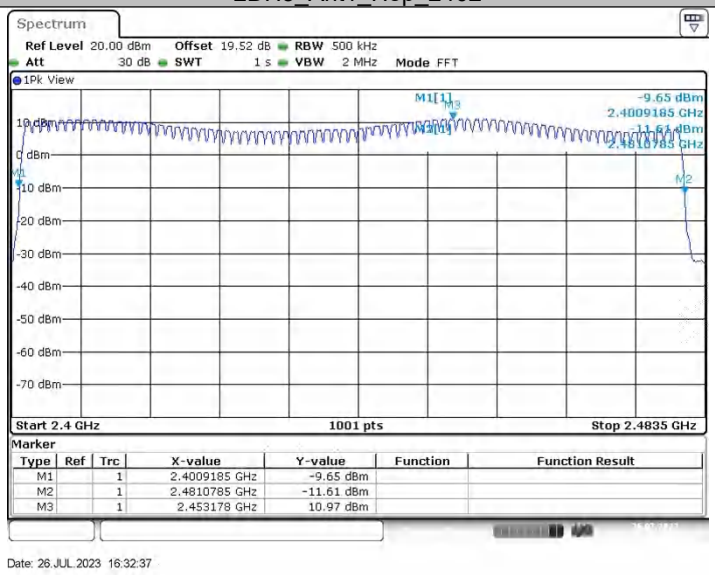
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DH5_Ant1_Hop_2480

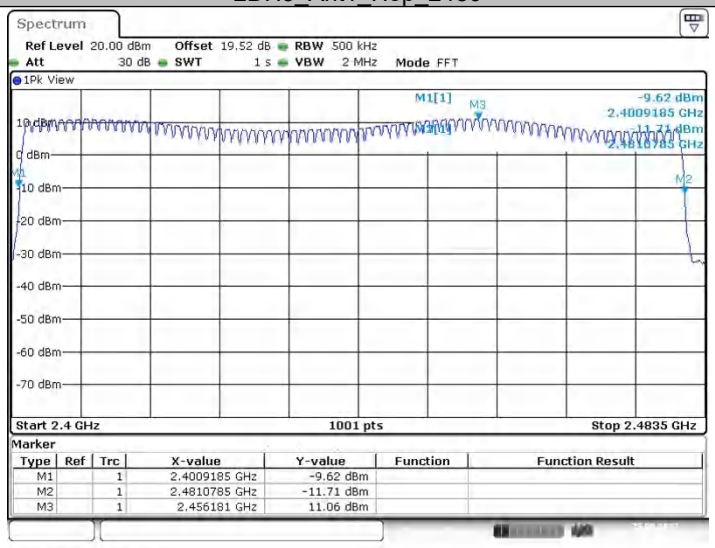


2DH5_Ant1_Hop_2402



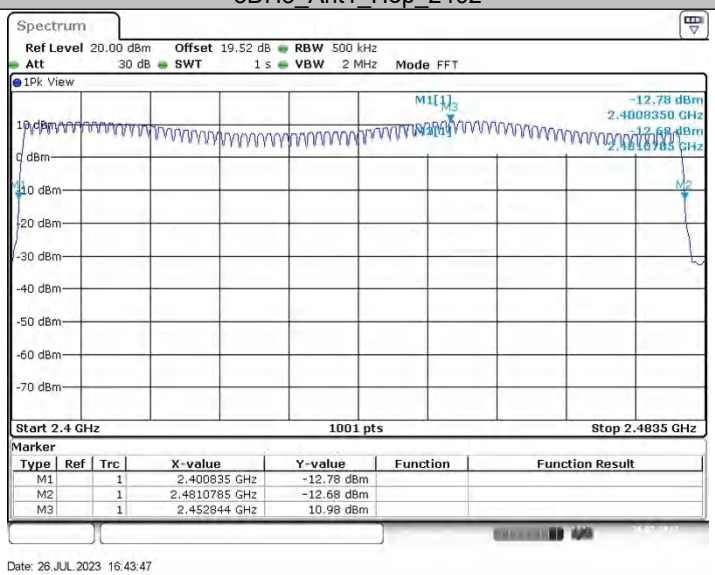
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2DH5_Ant1_Hop_2480



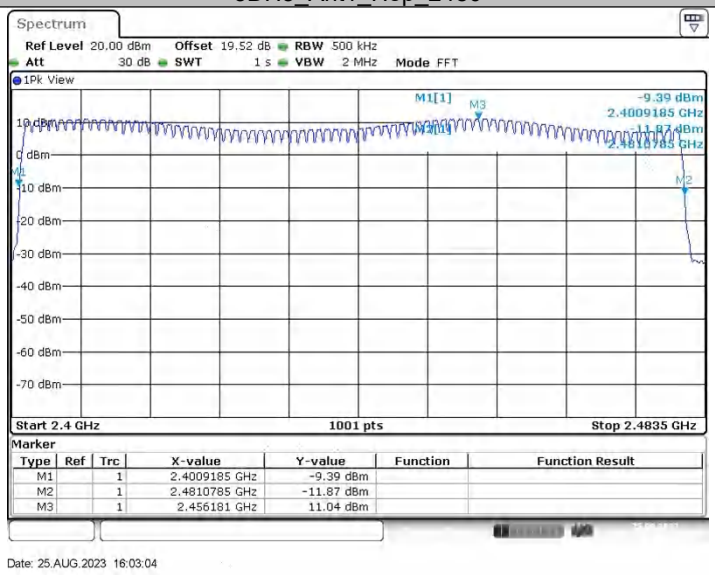
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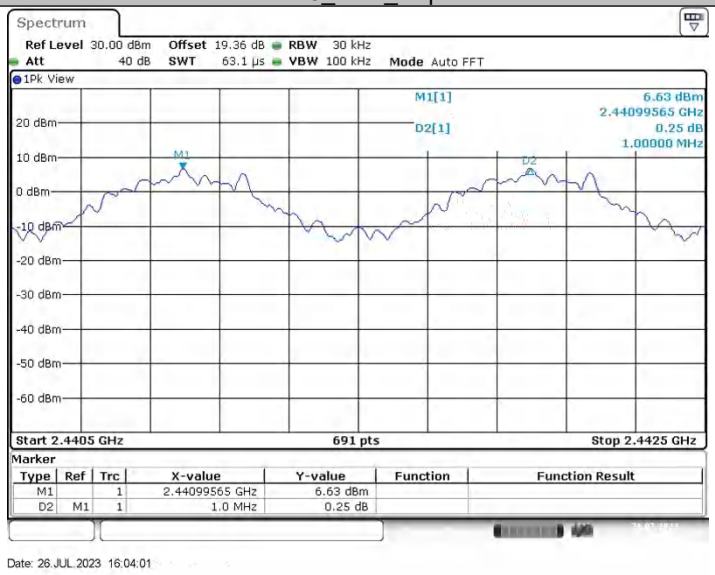
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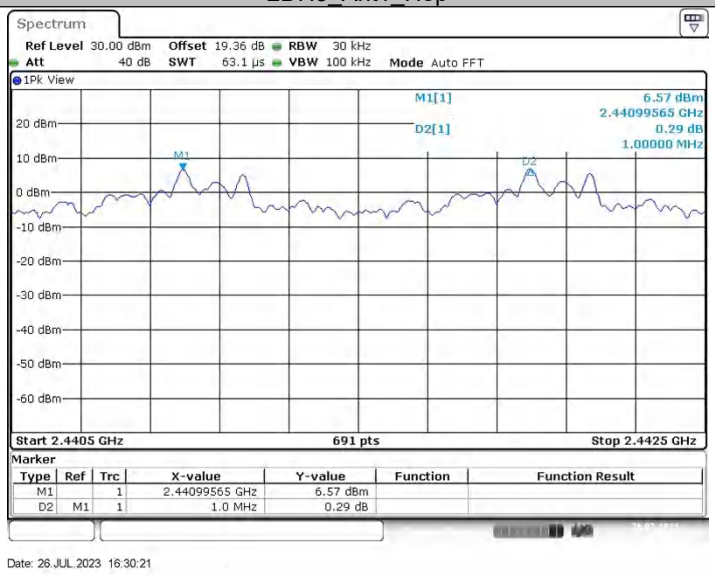
5 Appendix A.5: Hopping Frequency Separation

Test Mode	Antenna	Channel	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1	0.100	PASS
2DH5	Ant1	Hop	1	0.100	PASS
3DH5	Ant1	Hop	1	0.100	PASS

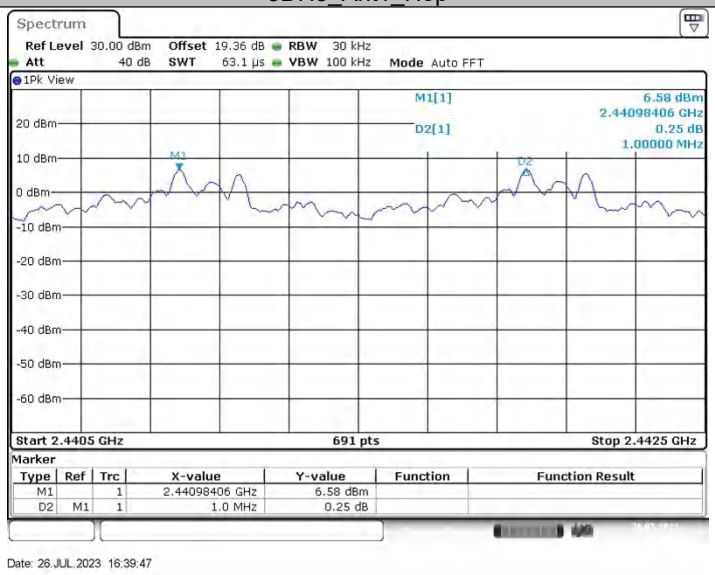
DH5_Ant1_Hop



2DH5_Ant1_Hop



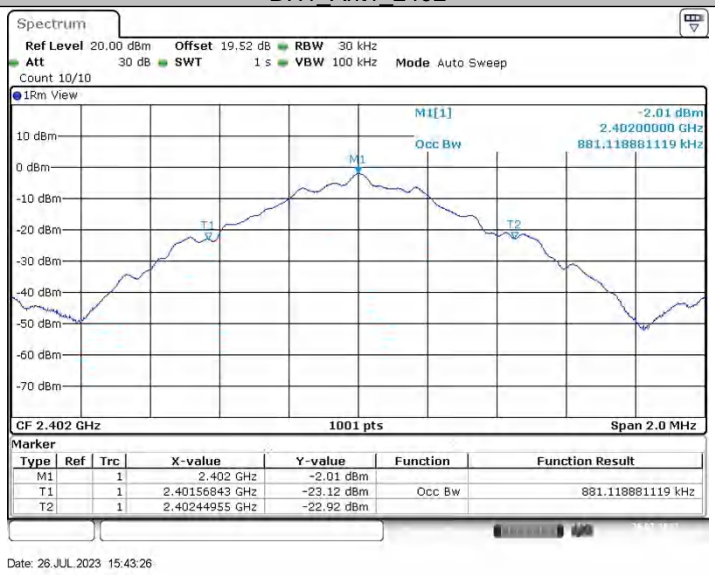
3DH5_Ant1_Hop



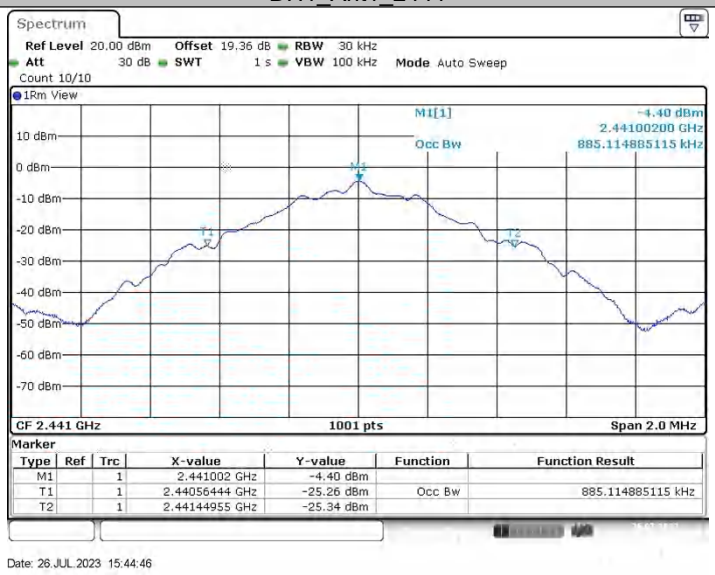
6 Appendix A.6: Occupied Channel Bandwidth

Test Mode	Antenna	Channel	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH1	Ant1	2402	0.881	2401.5684	2402.4496	2400 to 2483.5	PASS
		2441	0.885	2440.5644	2441.4496	2400 to 2483.5	PASS
		2480	0.883	2479.5664	2480.4496	2400 to 2483.5	PASS
DH5	Ant1	2402	0.883	2401.5604	2402.4436	2400 to 2483.5	PASS
		2441	0.885	2440.5584	2441.4436	2400 to 2483.5	PASS
		2480	0.885	2479.5604	2480.4456	2400 to 2483.5	PASS
2DH1	Ant1	2402	1.129	2401.4286	2402.5574	2400 to 2483.5	PASS
		2441	1.127	2440.4286	2441.5554	2400 to 2483.5	PASS
		2480	1.129	2479.4286	2480.5574	2400 to 2483.5	PASS
2DH5	Ant1	2402	1.187	2401.4086	2402.5954	2400 to 2483.5	PASS
		2441	1.189	2440.4066	2441.5954	2400 to 2483.5	PASS
		2480	1.183	2479.4106	2480.5934	2400 to 2483.5	PASS
3DH1	Ant1	2402	1.129	2401.4446	2402.5734	2400 to 2483.5	PASS
		2441	1.127	2440.4446	2441.5714	2400 to 2483.5	PASS
		2480	1.127	2479.4466	2480.5734	2400 to 2483.5	PASS
3DH5	Ant1	2402	1.195	2401.4046	2402.5994	2400 to 2483.5	PASS
		2441	1.193	2440.4046	2441.5974	2400 to 2483.5	PASS
		2480	1.193	2479.4066	2480.5994	2400 to 2483.5	PASS

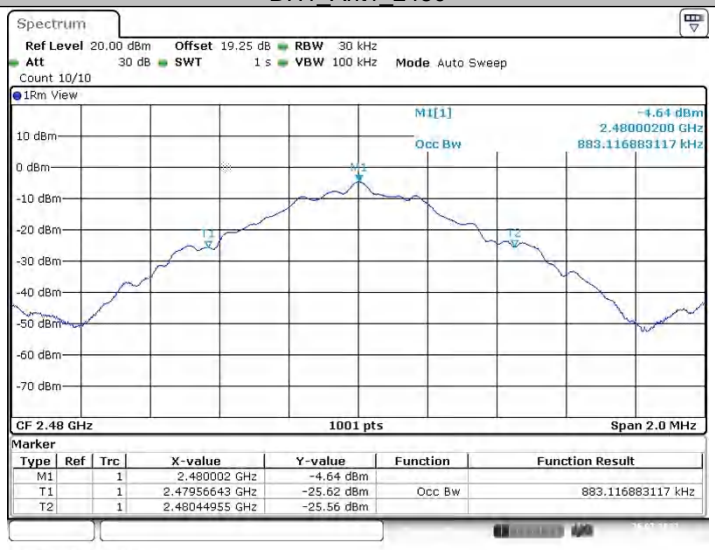
DH1_Ant1_2402



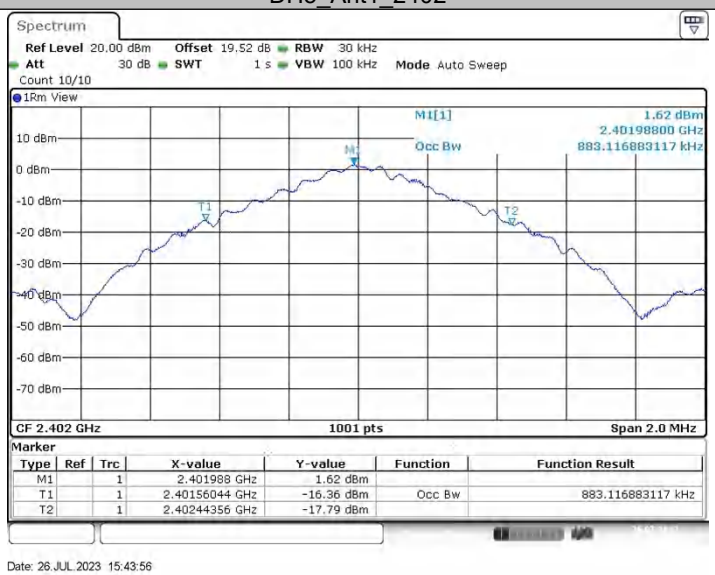
DH1_Ant1_2441



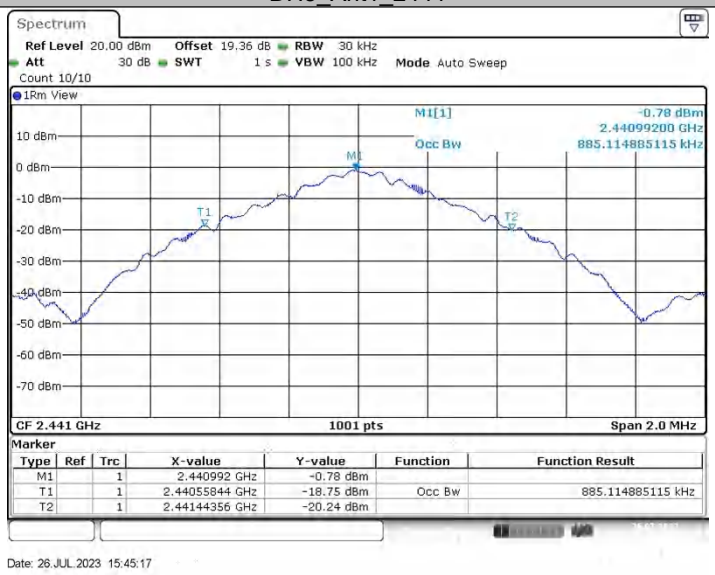
DH1_Ant1_2480



DH5_Ant1_2402

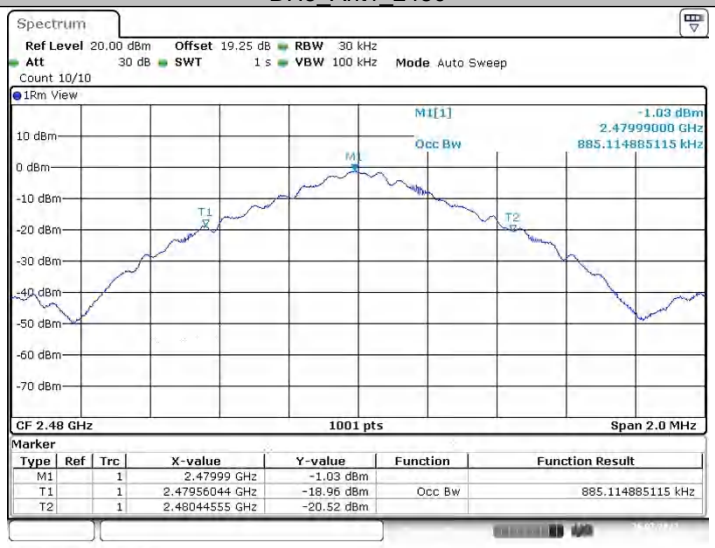


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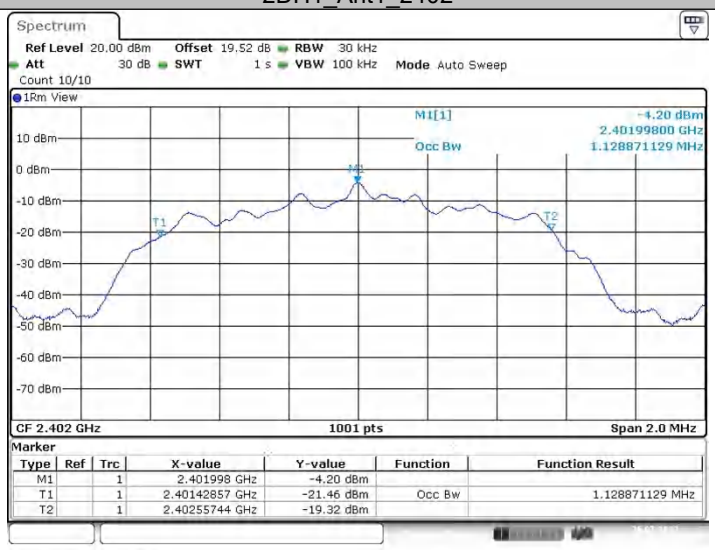
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DH5_Ant1_2480



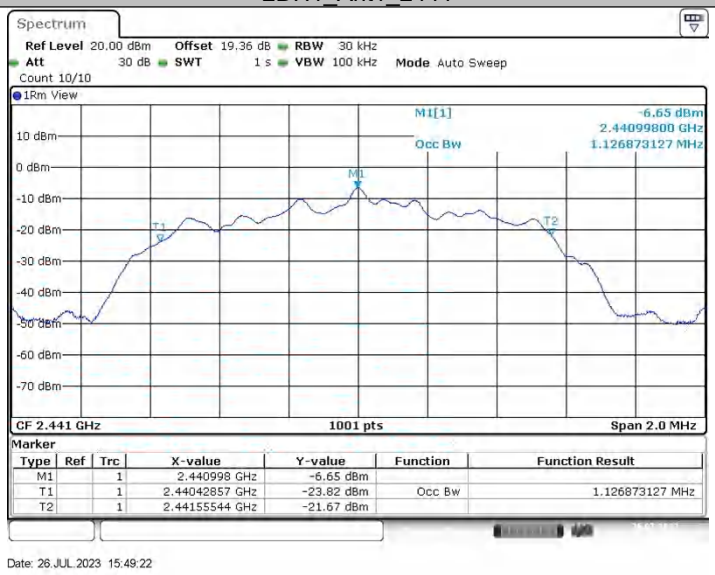
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2DH1_Ant1_2402



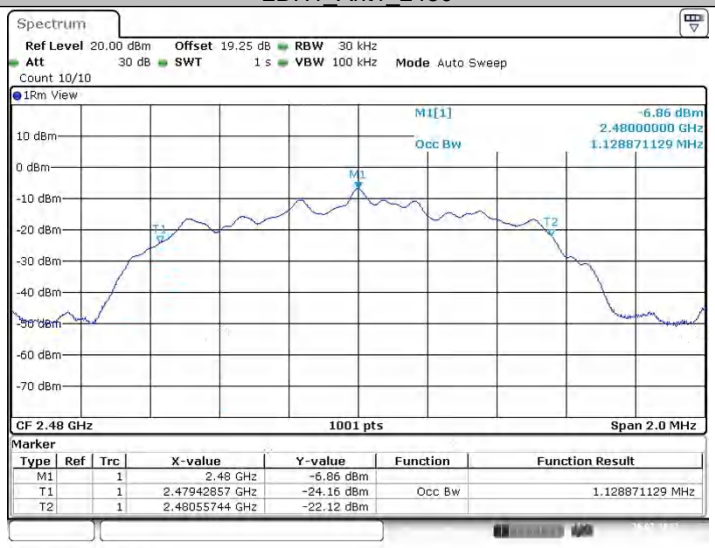
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2DH1_Ant1_2441



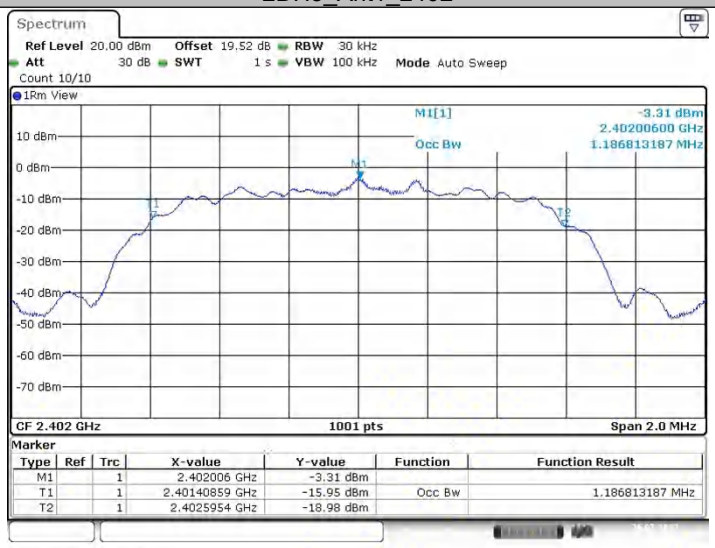
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2DH1_Ant1_2480



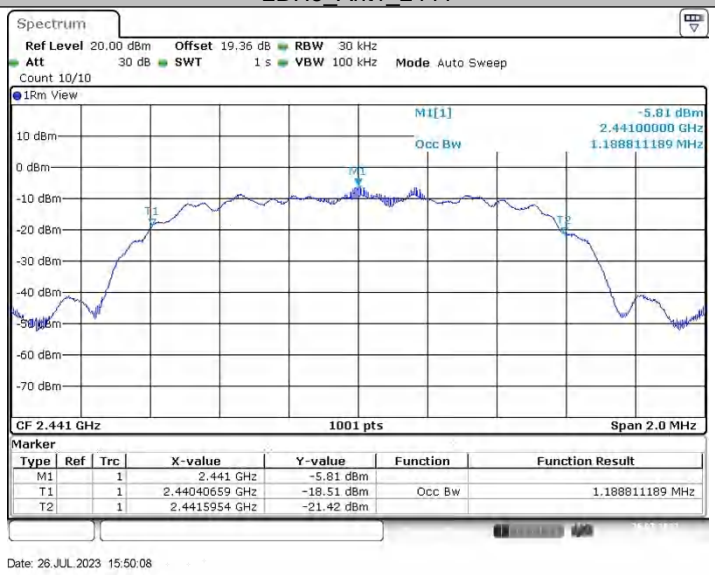
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2DH5_Ant1_2402

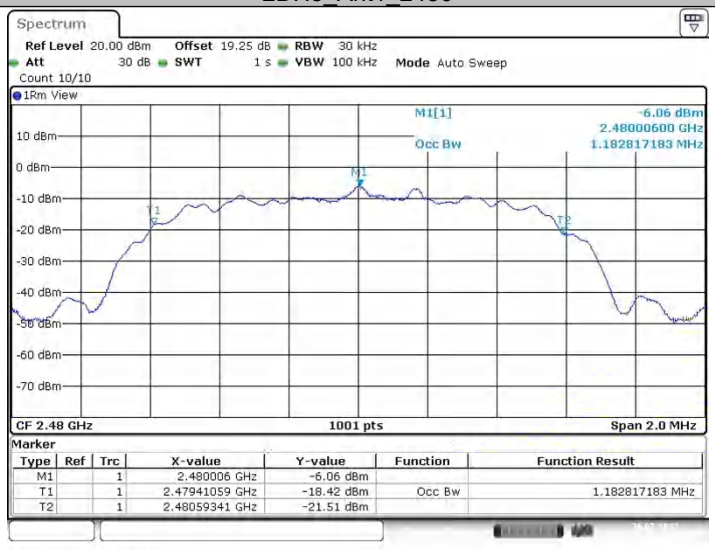


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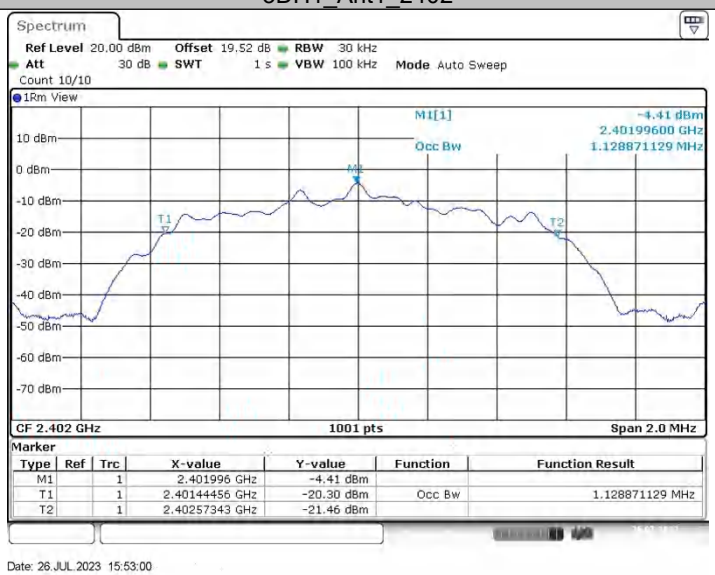
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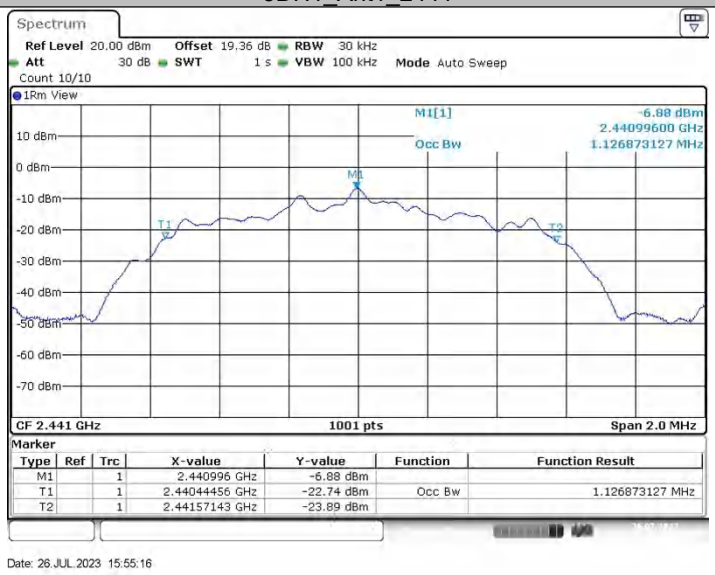
2DH5_Ant1_2480



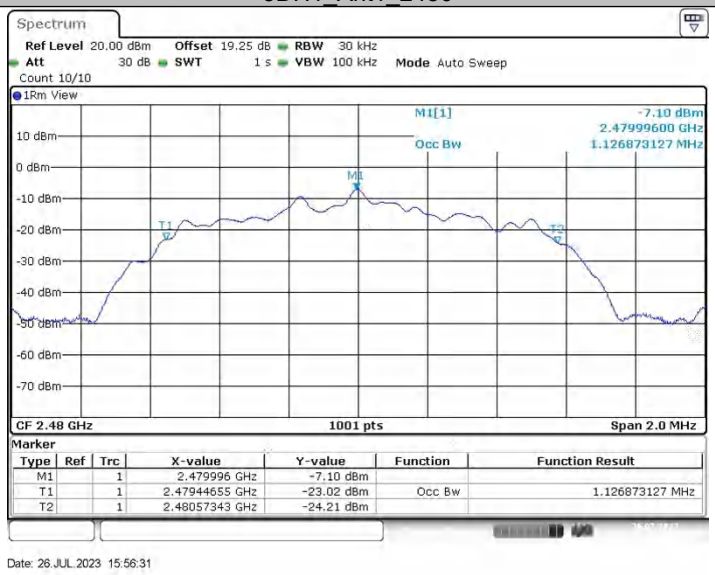
3DH1_Ant1_2402



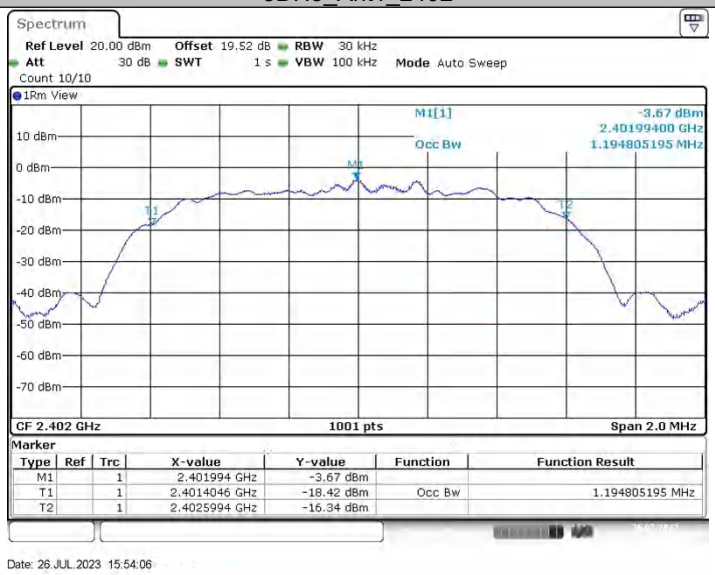
3DH1_Ant1_2441



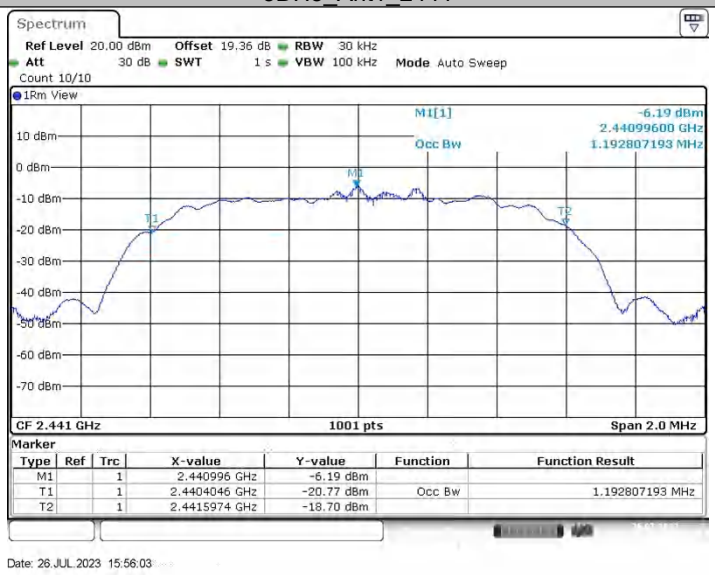
3DH1_Ant1_2480



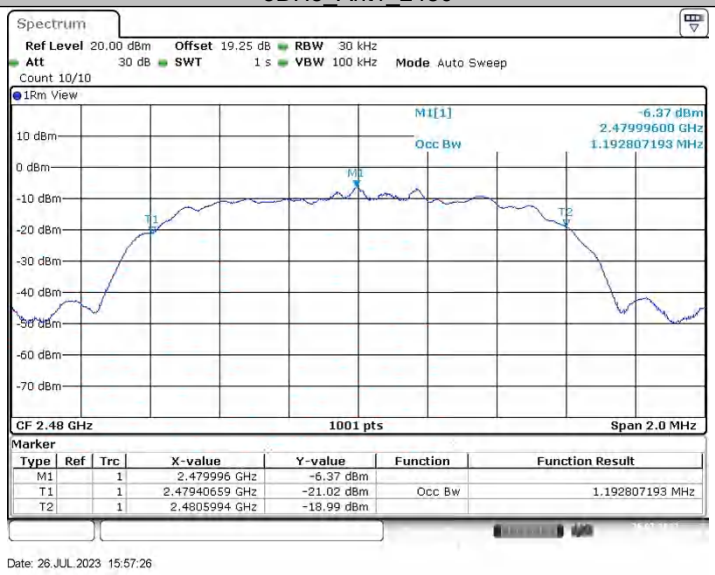
3DH5_Ant1_2402



3DH5_Ant1_2441



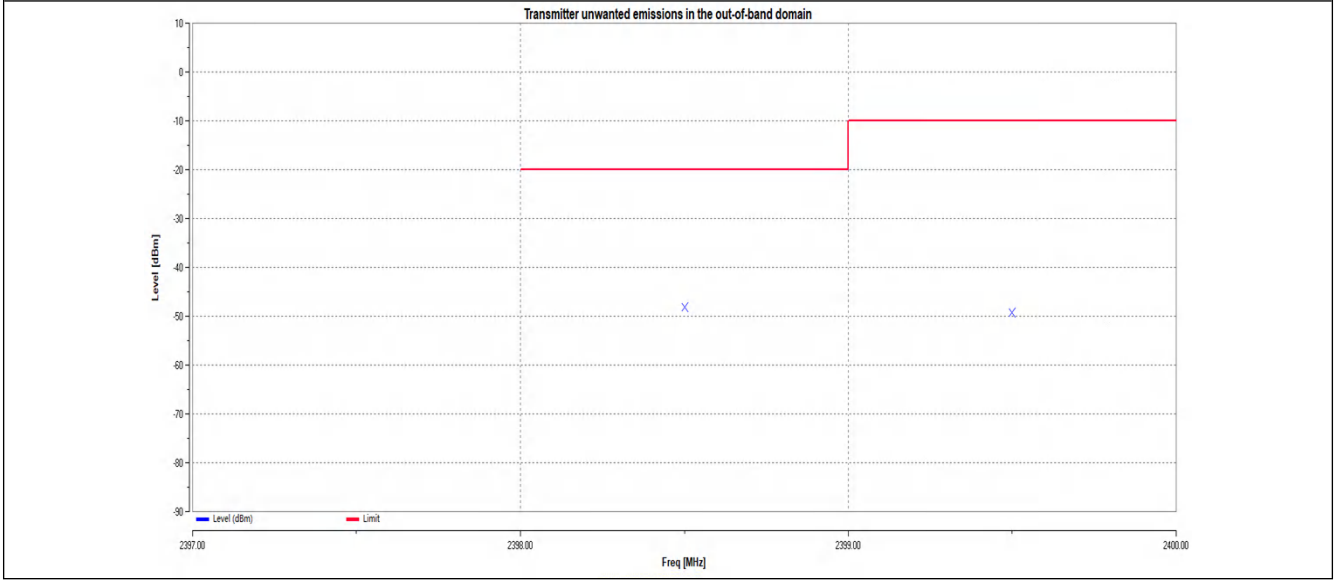
3DH5_Ant1_2480



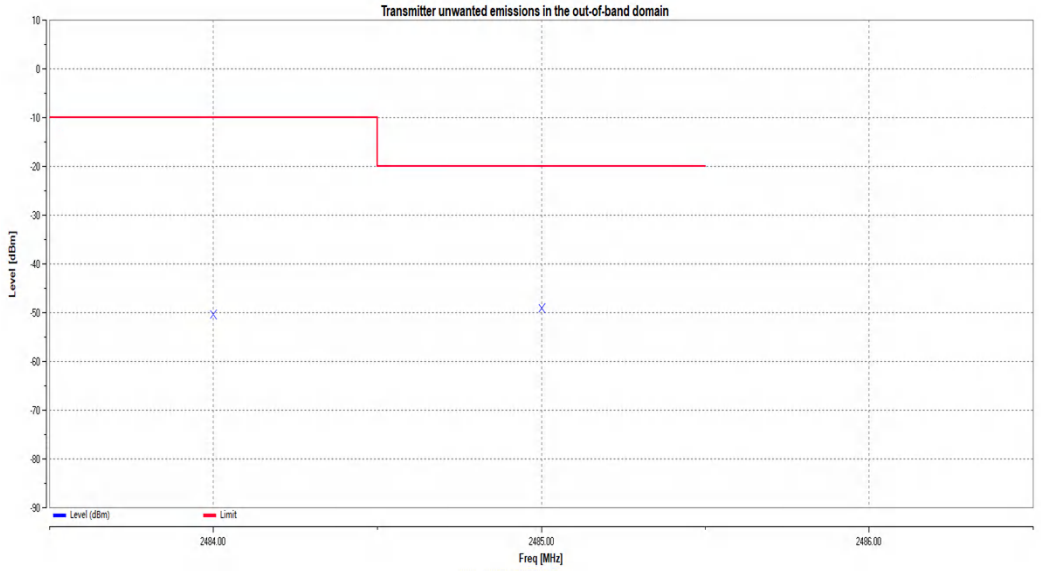
7 Appendix A.7 : Tx unwanted emissions in the out-of-band domain

Test Mode	Antenna	Channel	Frequency [MHz]	Level [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Hop	2398.5	-48.15	-20.00	PASS
			2399.5	-49.27	-10.00	PASS
			2484	-50.46	-10.00	PASS
			2485	-49.11	-20.00	PASS
2DH5	Ant1	Hop	2398.126	-46.72	-20.00	PASS
			2398.313	-46.97	-20.00	PASS
			2399.313	-46.20	-10.00	PASS
			2399.5	-45.34	-10.00	PASS
			2484	-46.32	-10.00	PASS
			2484.187	-46.85	-10.00	PASS
			2485.187	-46.31	-20.00	PASS
			2485.374	-46.31	-20.00	PASS
3DH5	Ant1	Hop	2398.11	-46.17	-20.00	PASS
			2398.305	-46.40	-20.00	PASS
			2399.305	-46.17	-10.00	PASS
			2399.5	-45.30	-10.00	PASS
			2484	-47.17	-10.00	PASS
			2484.195	-45.59	-10.00	PASS
			2485.195	-46.73	-20.00	PASS
			2485.39	-46.26	-20.00	PASS

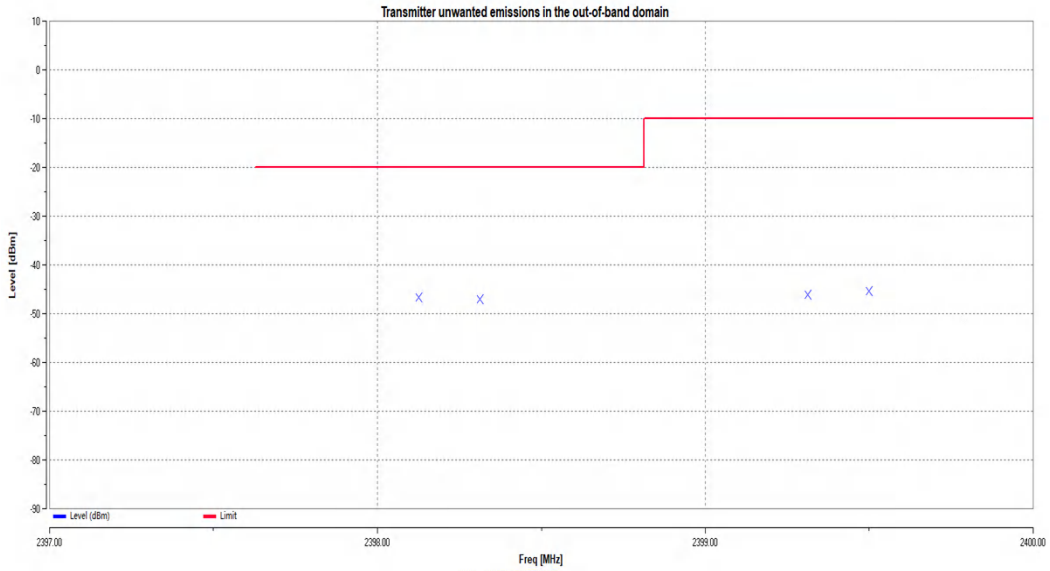
DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



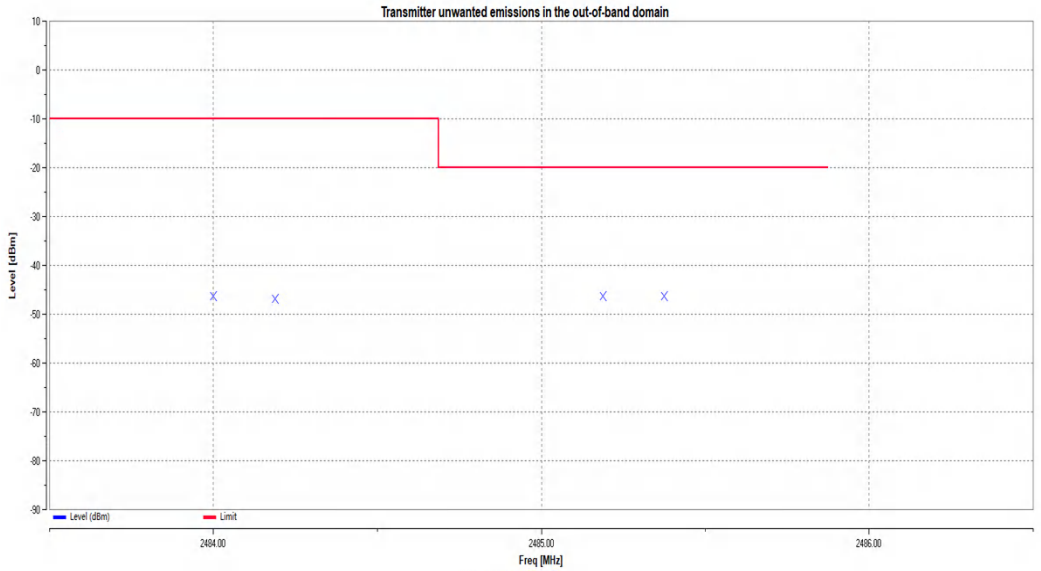
DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW



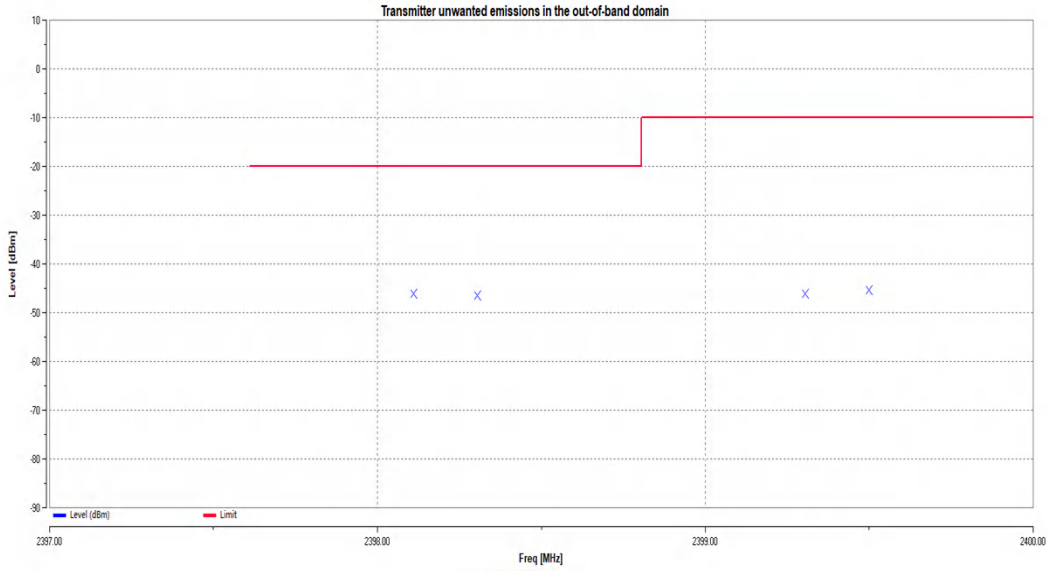
2DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



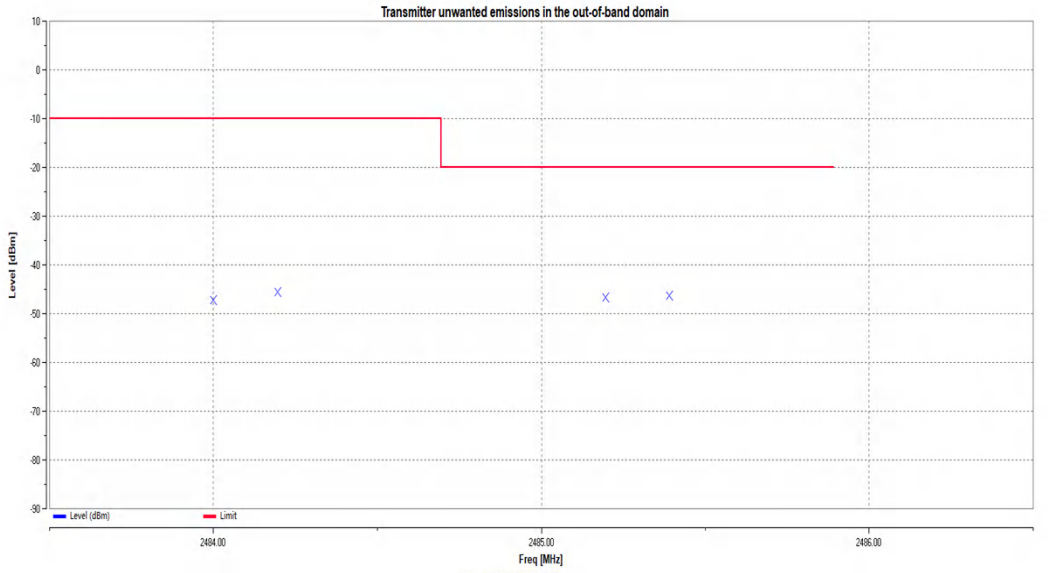
2DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW



3DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



3DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW

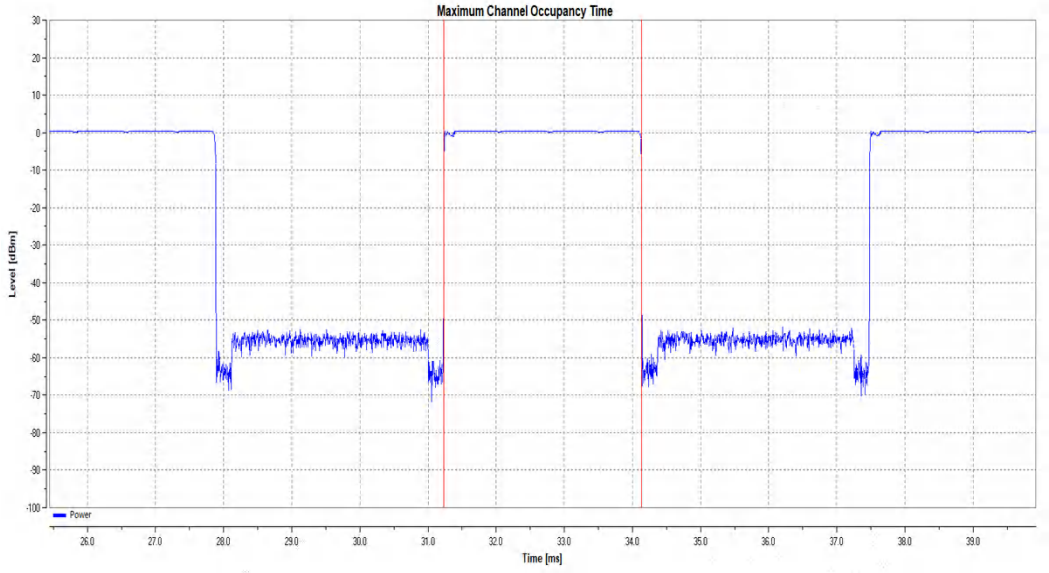


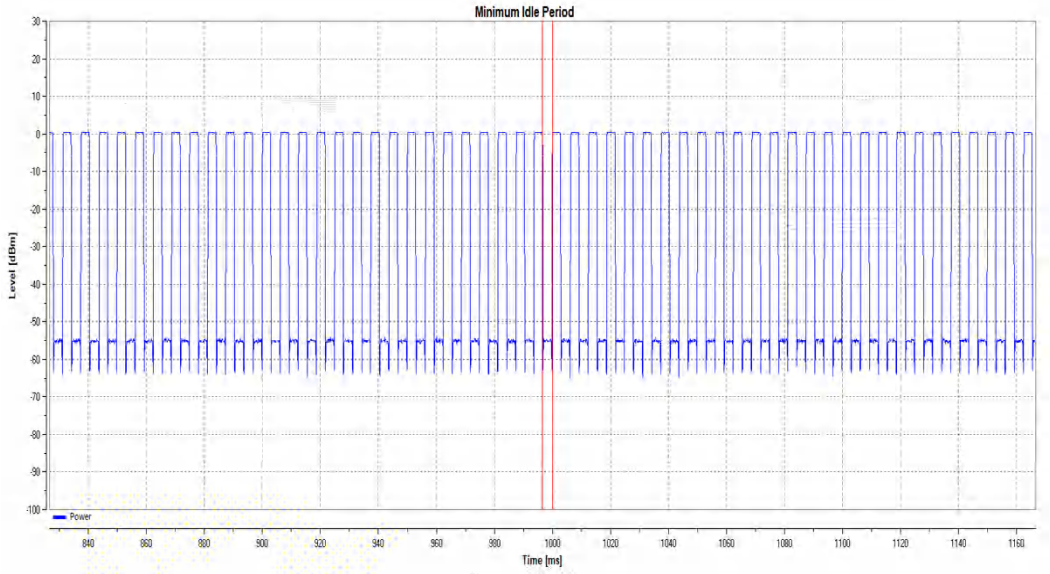
8 Appendix A.8: Adaptivity

Test Mode	Antenna	Channel	Max.COT [ms]	Limit [ms]	Min.Idel Time [ms]	Limit [ms]	Verdict
DH5	Ant1	Hop_2402	2.895	40	3.400	0.145	PASS
		Hop_2480	2.890	40	3.400	0.145	PASS

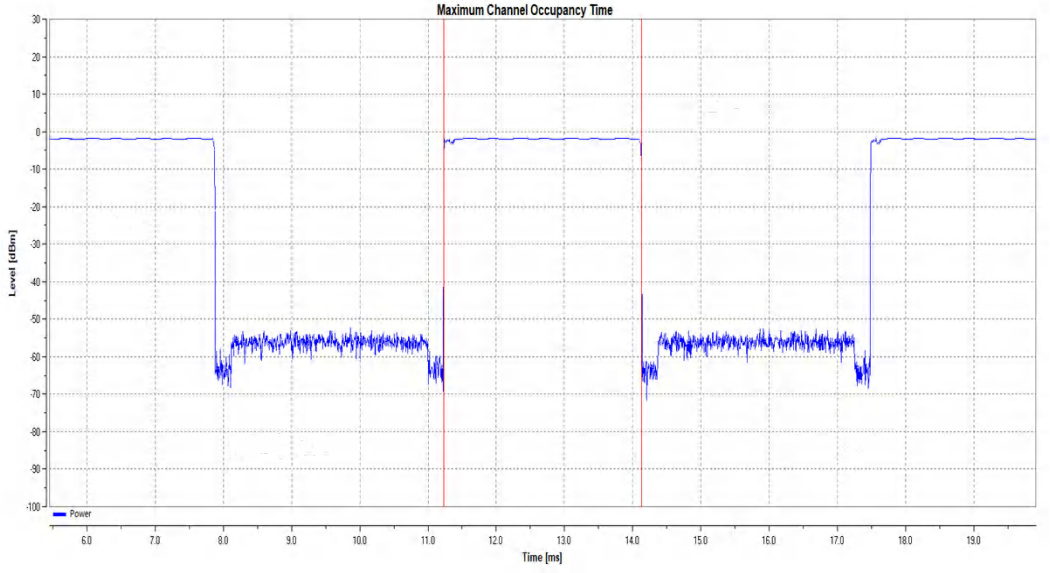
Test Mode	Antenna	Channel	Add Signal Type	Add Signal Time [ms]	Add Signal Level [dbm]	Max. Short Time [%]	Limit [%]	Verdict
DH5	Ant1	Hop_2402	AWGN	3001	-60.66	0.00	10	PASS
			CW	65998	-35.29	0.00	10	PASS
		Hop_2480	AWGN	3001	-60.66	0.00	10	PASS
			CW	66001	-35.29	0.00	10	PASS

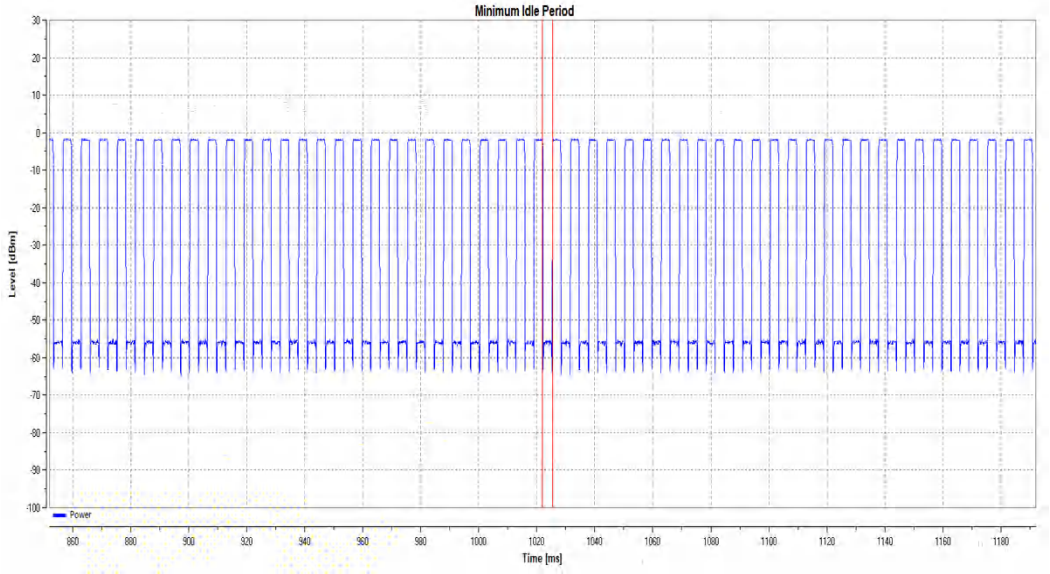
H5_Ant1_Hop_2402



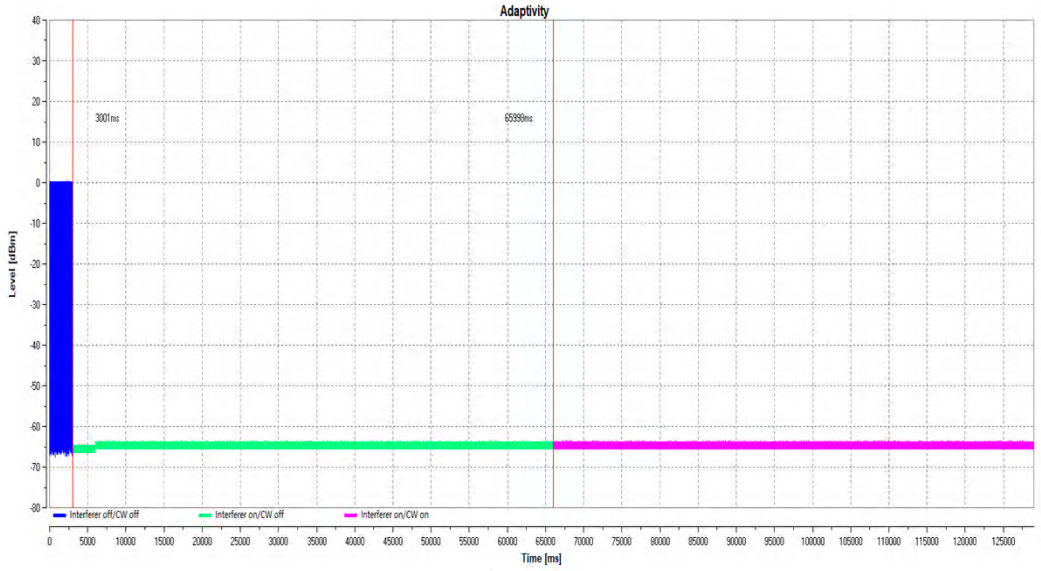


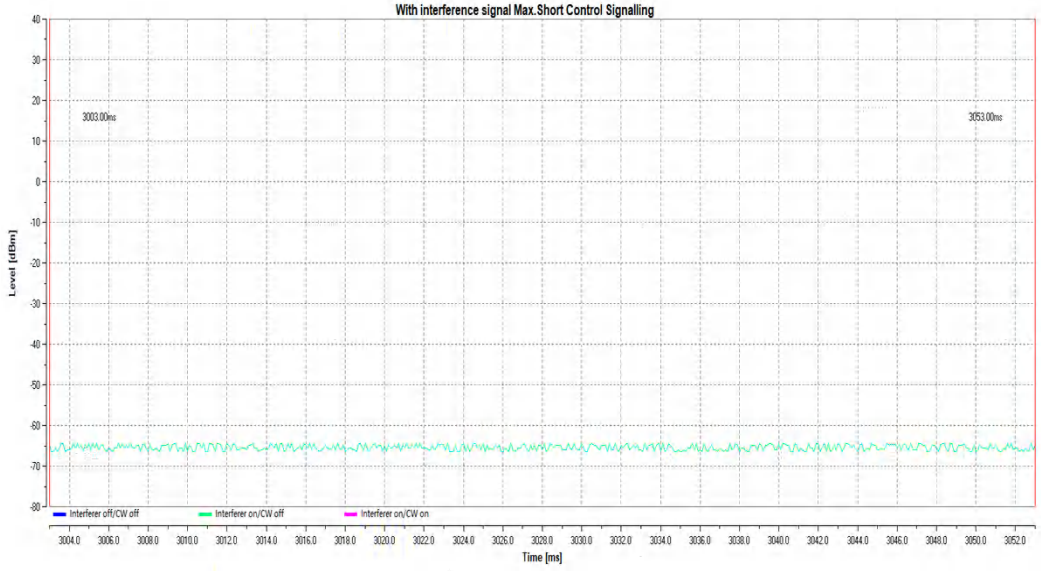
DH5_Ant1_Hop_2480

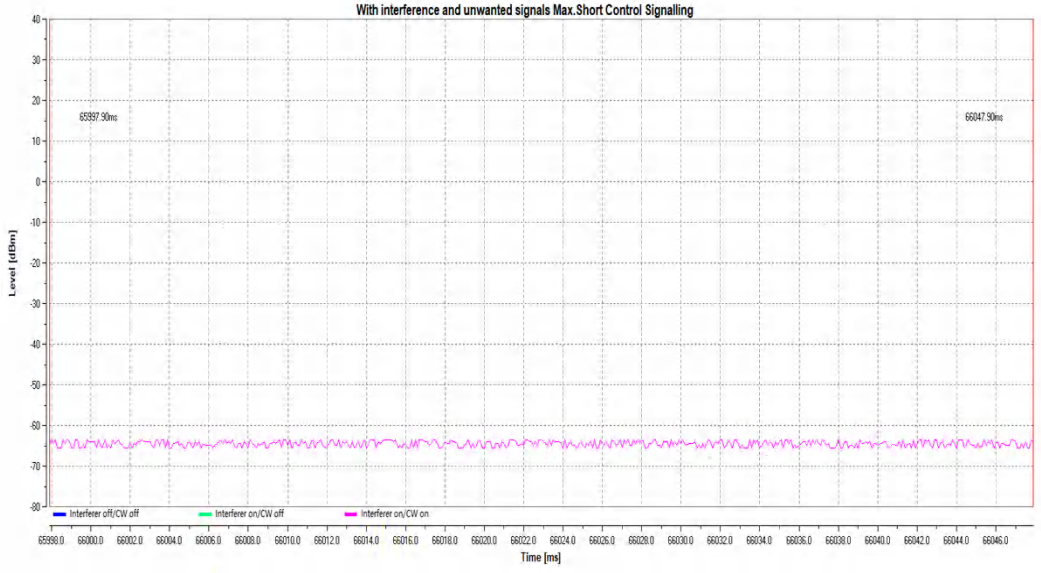




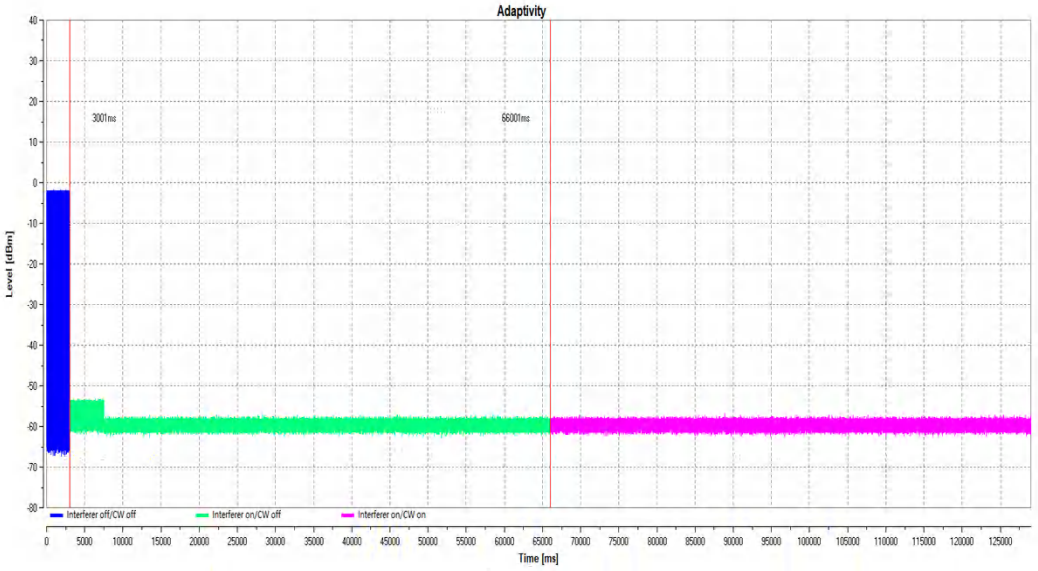
DH5_Ant1_Hop_2402

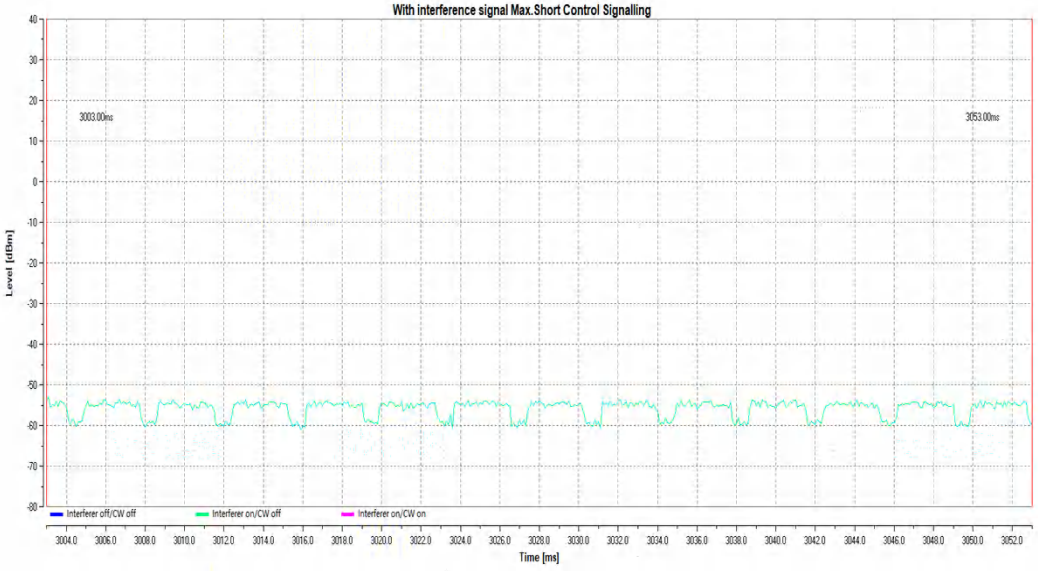


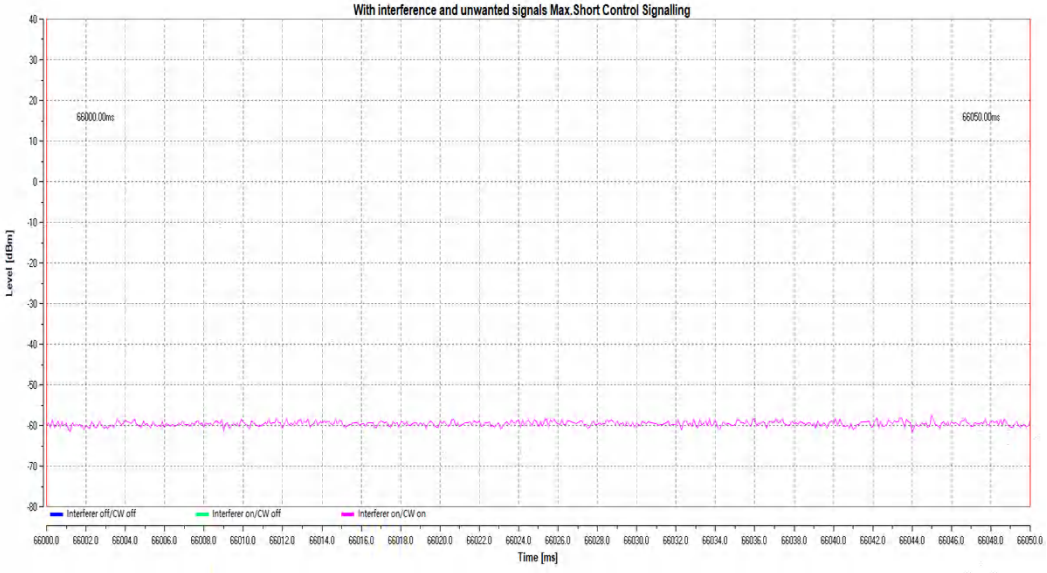




DH5_Ant1_Hop_2480



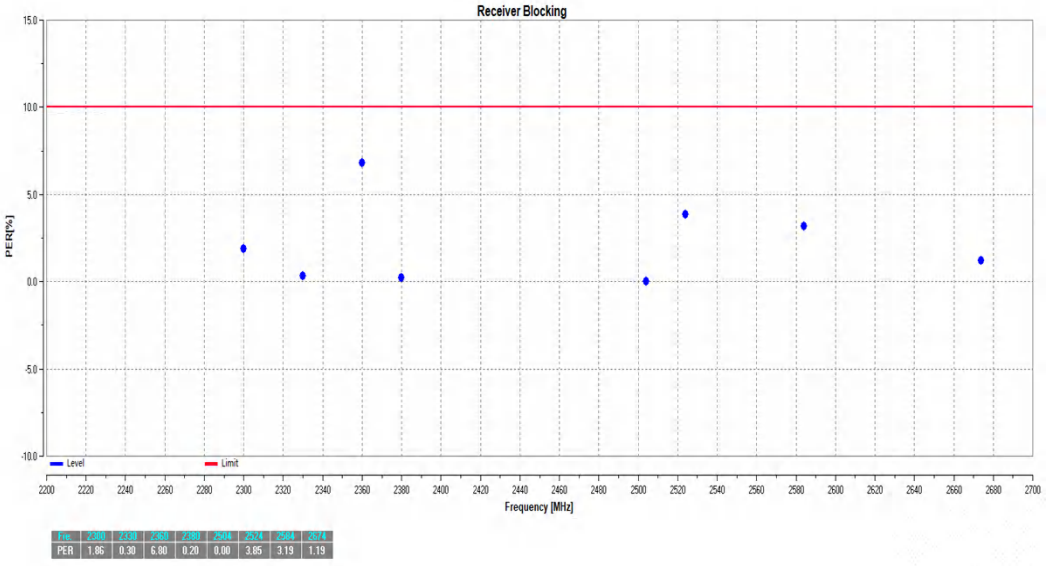




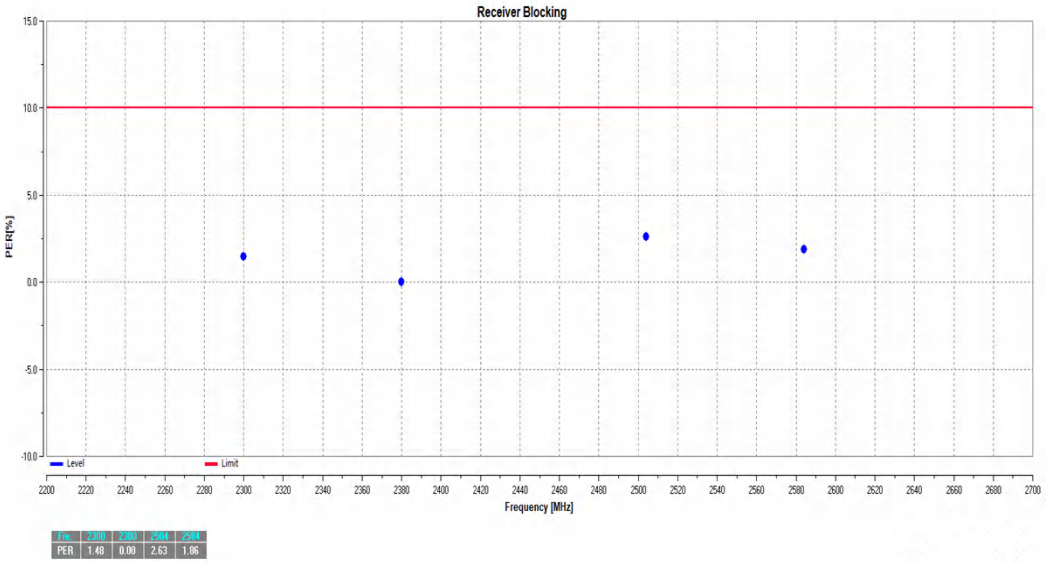
9 Appendix A.9: Receiver Blocking

Test Mode	Antenna	Channel	Pmin [dBm]	Wanted signal [dBm]	Freq. [MHz]	CW [dBm]	PER [%]	Limit [%]	Verdict
DH1	Ant1	Hop	---	-79.82	2300	-34.29	1.86	≤10	PASS
			---	-79.82	2330	-34.29	0.30	≤10	PASS
			---	-79.82	2360	-34.29	6.80	≤10	PASS
			---	-73.82	2380	-34.29	0.20	≤10	PASS
			---	-73.82	2504	-34.29	0.00	≤10	PASS
			---	-79.82	2524	-34.29	3.85	≤10	PASS
			---	-79.82	2584	-34.29	3.19	≤10	PASS
			---	-79.82	2674	-34.29	1.19	≤10	PASS
2DH1	Ant1	Hop	---	-68.76	2300	-34.29	1.48	≤10	PASS
			---	-68.76	2380	-34.29	0.00	≤10	PASS
			---	-68.76	2504	-34.29	2.63	≤10	PASS
			---	-68.76	2584	-34.29	1.86	≤10	PASS
3DH1	Ant1	Hop	---	-68.76	2300	-34.29	1.55	≤10	PASS
			---	-68.76	2380	-34.29	2.41	≤10	PASS
			---	-68.76	2504	-34.29	1.83	≤10	PASS
			---	-68.76	2584	-34.29	1.27	≤10	PASS

DH1_Ant1_Hop

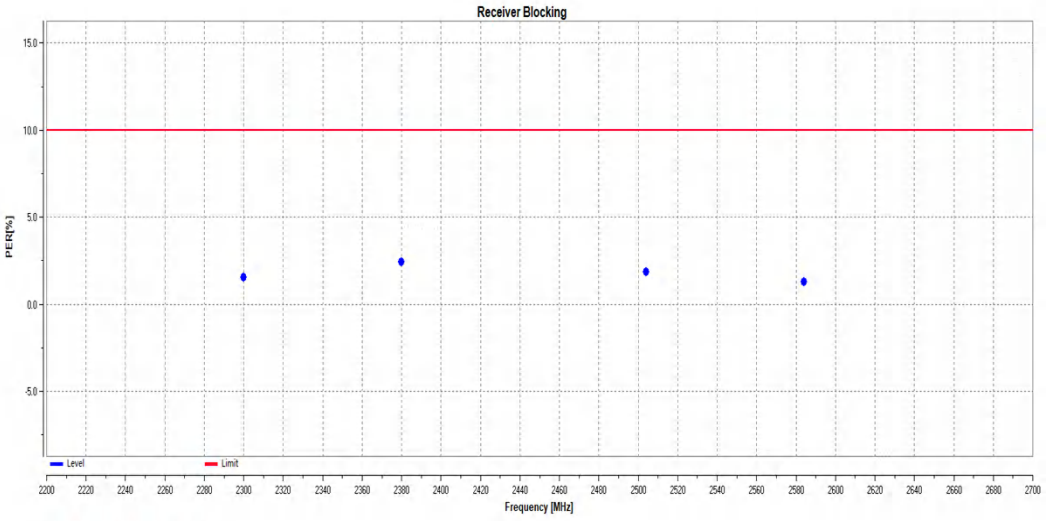


2DH1_Ant1_Hop



Freq	2300	2380	2504	2594
PER	1.48	0.00	2.63	1.86

3DH1_Ant1_Hop



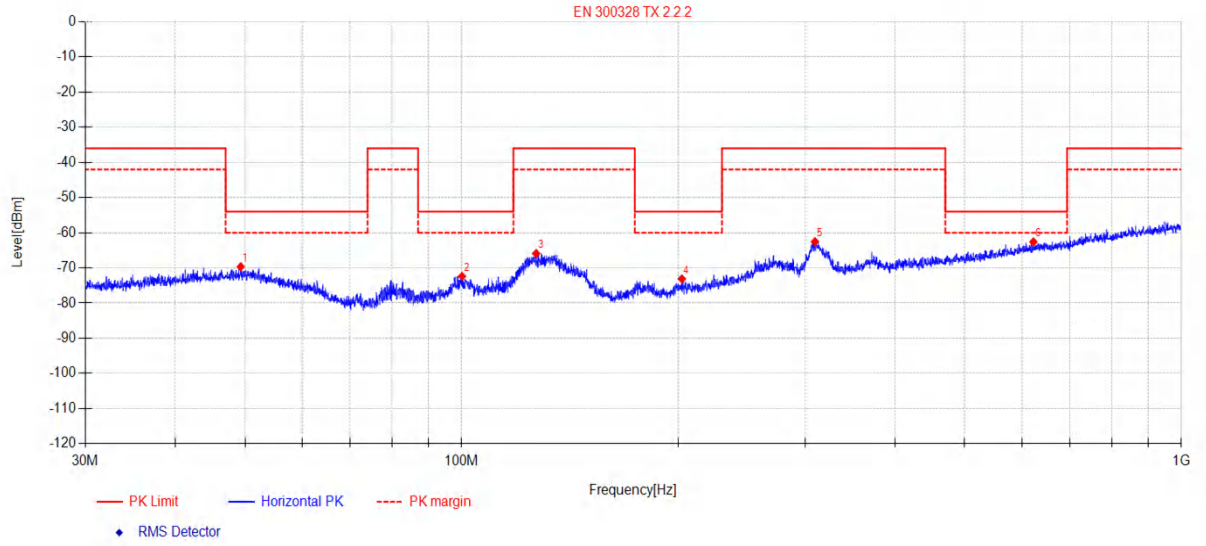
Freq	2300	2380	2504	2594
PER	1.55	2.41	1.83	1.27

10 Appendix A.10: Test Plots of Transmitter Unwanted Emission in the spurious domain

Note: The EUT without antenna connector.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2402 (LianGang)		

Test Graph

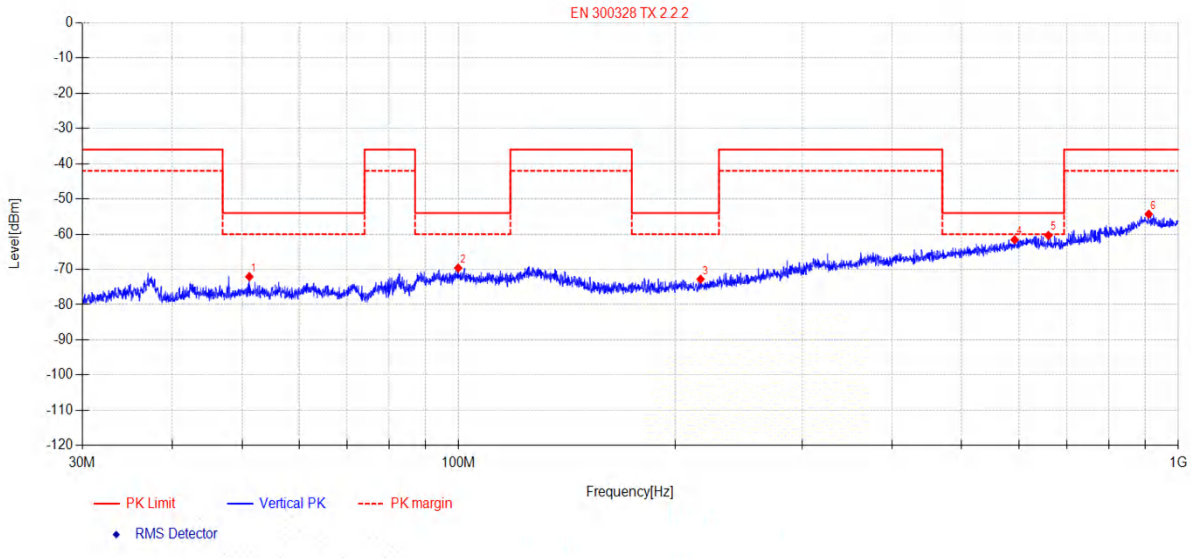


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	49.32	8.40	-78.06	-69.66	-54.00	15.66	PK	Horizontal	ERP
2	100.13	11.43	-83.83	-72.40	-54.00	18.40	PK	Horizontal	ERP
3	126.91	19.56	-85.47	-65.91	-36.00	29.91	PK	Horizontal	ERP
4	202.31	9.80	-82.94	-73.14	-54.00	19.14	PK	Horizontal	ERP
5	309.64	15.95	-78.47	-62.52	-36.00	26.52	PK	Horizontal	ERP
6	622.95	8.61	-71.22	-62.61	-54.00	8.61	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2402 (LianGang)		

Test Graph



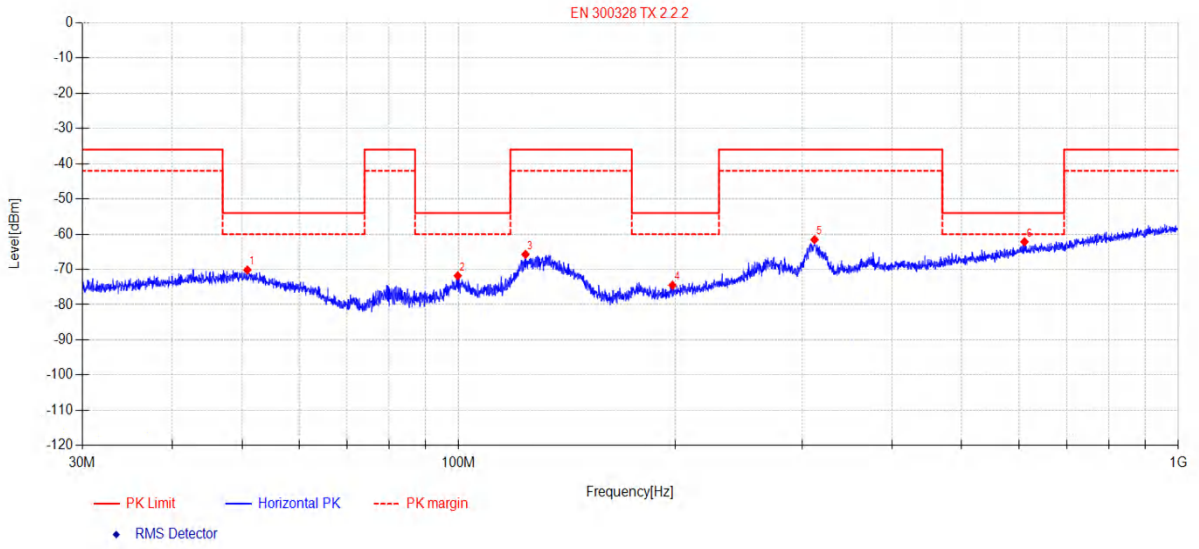
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	51.19	10.83	-82.89	-72.06	-54.00	18.06	PK	Vertical	ERP
2	99.85	9.27	-78.87	-69.60	-54.00	15.60	PK	Vertical	ERP
3	216.85	8.00	-80.78	-72.78	-54.00	18.78	PK	Vertical	ERP
4	592.28	8.04	-69.63	-61.59	-54.00	7.59	PK	Vertical	ERP
5	659.82	7.85	-68.21	-60.36	-54.00	6.36	PK	Vertical	ERP
6	909.68	8.85	-63.17	-54.32	-36.00	18.32	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2441 (LianGang)		

Test Graph



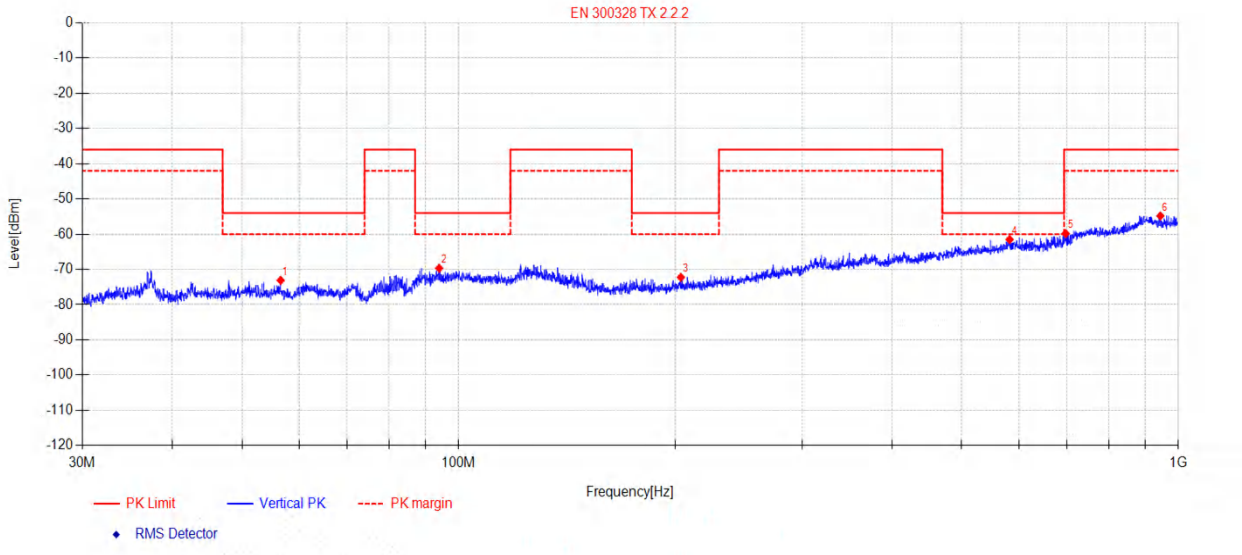
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	50.87	8.13	-78.28	-70.15	-54.00	16.15	PK	Horizontal	ERP
2	99.71	12.03	-83.85	-71.82	-54.00	17.82	PK	Horizontal	ERP
3	123.84	19.53	-85.27	-65.74	-36.00	29.74	PK	Horizontal	ERP
4	198.23	8.77	-83.26	-74.49	-54.00	20.49	PK	Horizontal	ERP
5	312.25	16.80	-78.35	-61.55	-36.00	25.55	PK	Horizontal	ERP
6	611.27	9.24	-71.40	-62.16	-54.00	8.16	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2441 (LianGang)		

Test Graph



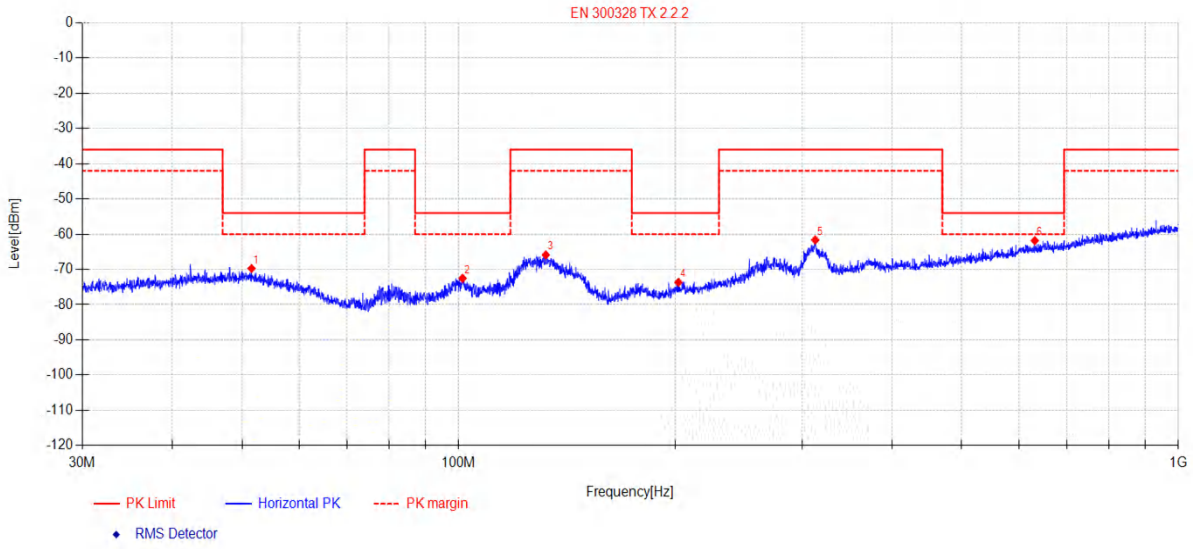
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	56.59	10.31	-83.41	-73.10	-54.00	19.10	PK	Vertical	ERP
2	93.94	10.01	-79.66	-69.65	-54.00	15.65	PK	Vertical	ERP
3	203.59	9.09	-81.32	-72.23	-54.00	18.23	PK	Vertical	ERP
4	582.81	8.35	-69.86	-61.51	-54.00	7.51	PK	Vertical	ERP
5	697.40	7.98	-67.81	-59.83	-36.00	23.83	PK	Vertical	ERP
6	944.13	9.31	-64.13	-54.82	-36.00	18.82	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2480 (LianGang)		

Test Graph



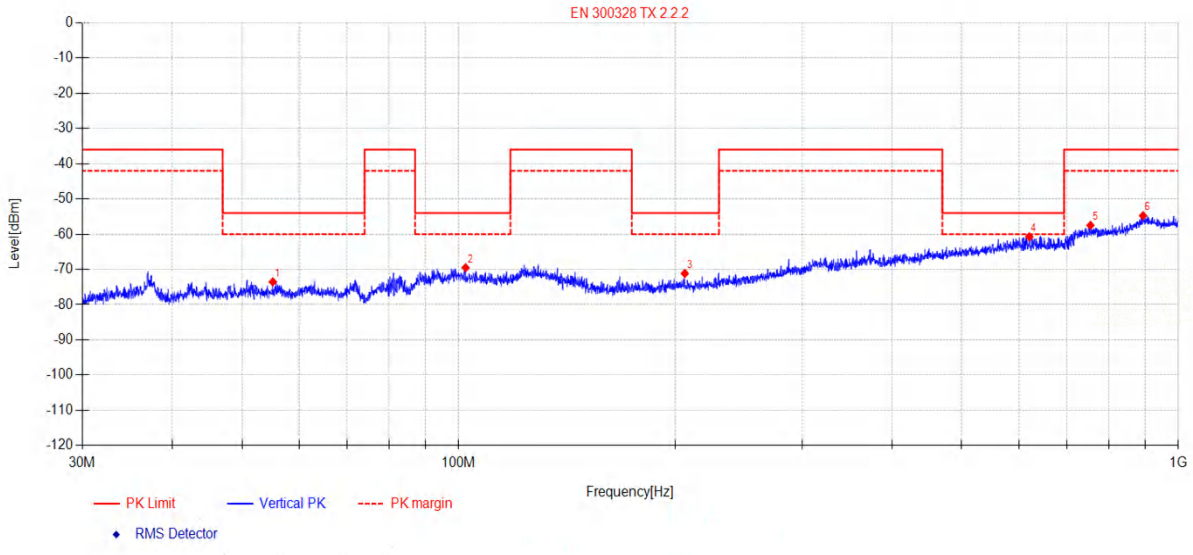
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	51.55	8.78	-78.52	-69.74	-54.00	15.74	PK	Horizontal	ERP
2	101.26	11.35	-83.89	-72.54	-54.00	18.54	PK	Horizontal	ERP
3	132.18	19.89	-85.78	-65.89	-36.00	29.89	PK	Horizontal	ERP
4	202.02	9.31	-82.96	-73.65	-54.00	19.65	PK	Horizontal	ERP
5	312.91	16.68	-78.32	-61.64	-36.00	25.64	PK	Horizontal	ERP
6	631.75	9.26	-71.09	-61.83	-54.00	7.83	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2480 (LianGang)		

Test Graph



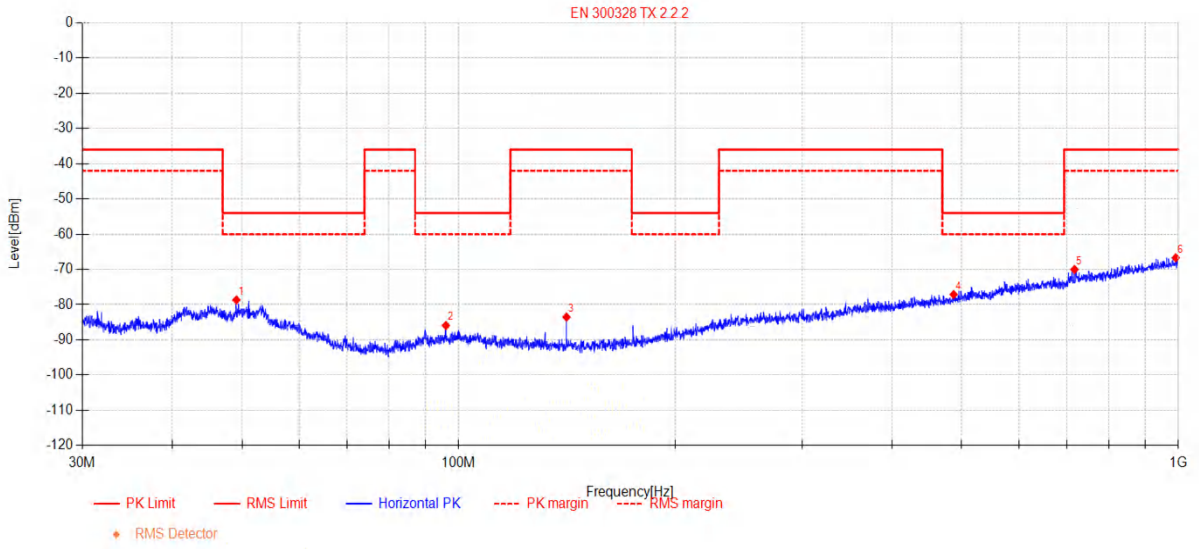
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	55.18	9.73	-83.27	-73.54	-54.00	19.54	PK	Vertical	ERP
2	102.26	9.51	-79.01	-69.50	-54.00	15.50	PK	Vertical	ERP
3	206.17	10.06	-81.21	-71.15	-54.00	17.15	PK	Vertical	ERP
4	620.77	8.23	-68.98	-60.75	-54.00	6.75	PK	Vertical	ERP
5	754.90	8.74	-66.23	-57.49	-36.00	21.49	PK	Vertical	ERP
6	893.25	8.50	-63.26	-54.76	-36.00	18.76	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2402 (HUAKESHENG)		

Test Graph



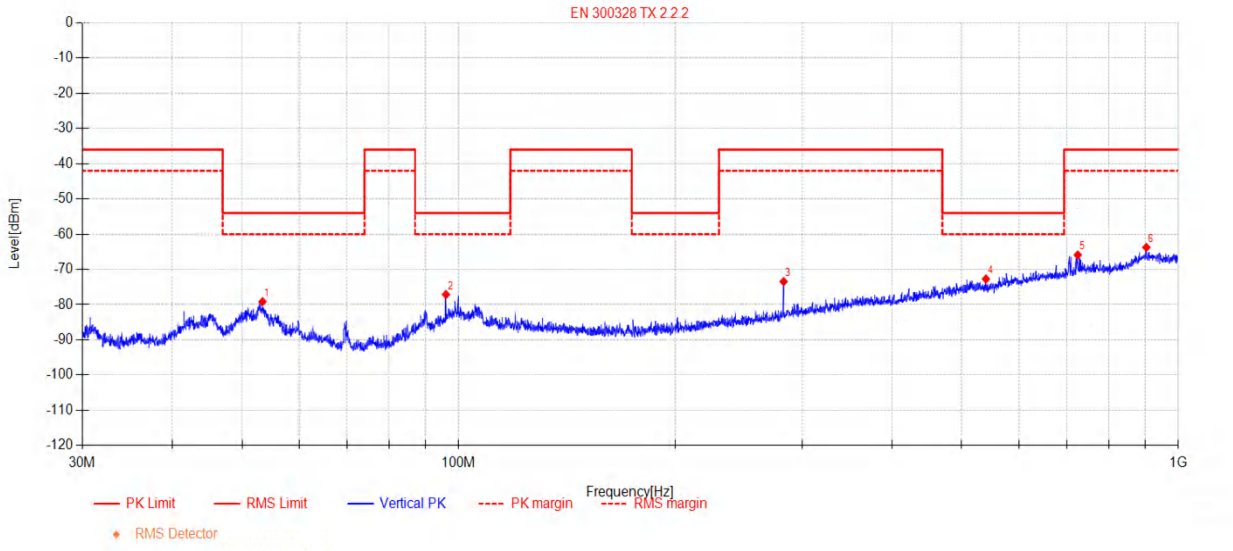
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	49.11	30.14	-108.80	-78.66	-54.00	24.66	PK	Horizontal	ERP
2	96.01	29.18	-115.10	-85.92	-54.00	31.92	PK	Horizontal	ERP
3	141.19	33.58	-117.11	-83.53	-36.00	47.53	PK	Horizontal	ERP
4	487.39	26.99	-104.12	-77.13	-54.00	23.13	PK	Horizontal	ERP
5	717.23	29.61	-99.63	-70.02	-36.00	34.02	PK	Horizontal	ERP
6	991.62	27.09	-93.80	-66.71	-36.00	30.71	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2402 (HUAKESHENG)		

Test Graph



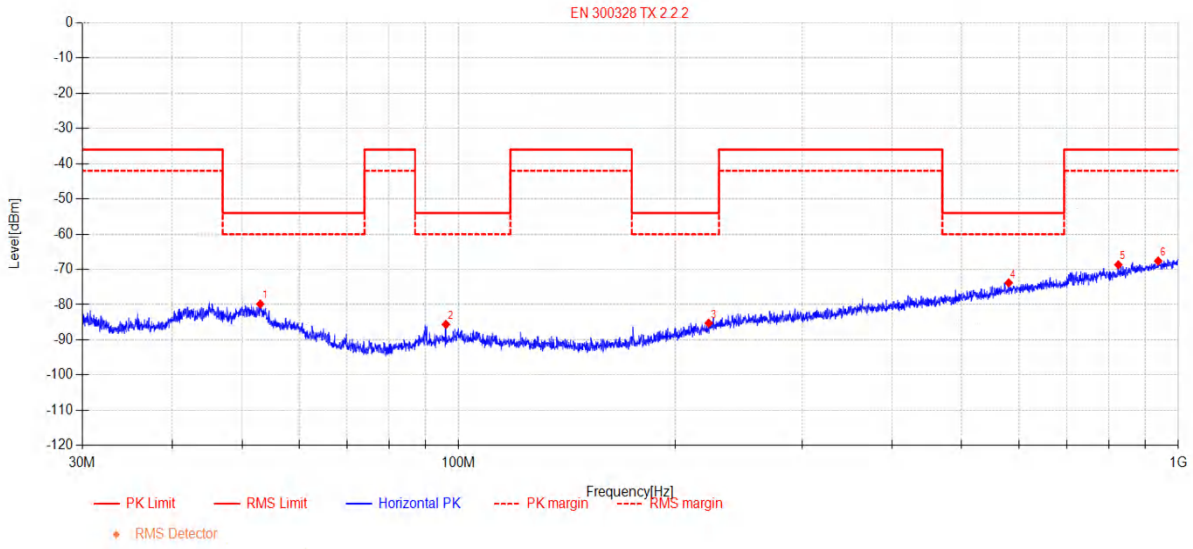
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	53.39	34.63	-113.78	-79.15	-54.00	25.15	PK	Vertical	ERP
2	96.01	33.06	-110.20	-77.14	-54.00	23.14	PK	Vertical	ERP
3	282.86	34.85	-108.32	-73.47	-36.00	37.47	PK	Vertical	ERP
4	540.30	28.01	-100.72	-72.71	-54.00	18.71	PK	Vertical	ERP
5	724.82	31.01	-96.90	-65.89	-36.00	29.89	PK	Vertical	ERP
6	902.69	28.21	-91.95	-63.74	-36.00	27.74	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2480 (HUAKESHENG)		

Test Graph



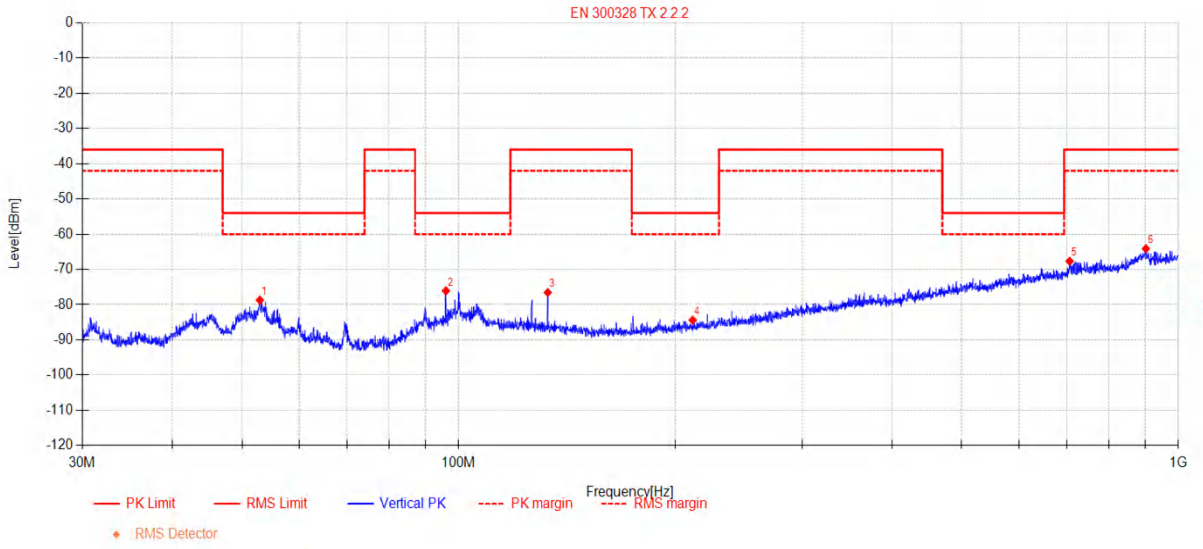
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	53.01	29.88	-109.70	-79.82	-54.00	25.82	PK	Horizontal	ERP
2	96.01	29.47	-115.10	-85.63	-54.00	31.63	PK	Horizontal	ERP
3	222.55	26.54	-111.79	-85.25	-54.00	31.25	PK	Horizontal	ERP
4	581.17	28.11	-101.92	-73.81	-54.00	19.81	PK	Horizontal	ERP
5	825.21	28.73	-97.41	-68.68	-36.00	32.68	PK	Horizontal	ERP
6	937.53	27.16	-94.77	-67.61	-36.00	31.61	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2480 (HUAKESHENG)		

Test Graph



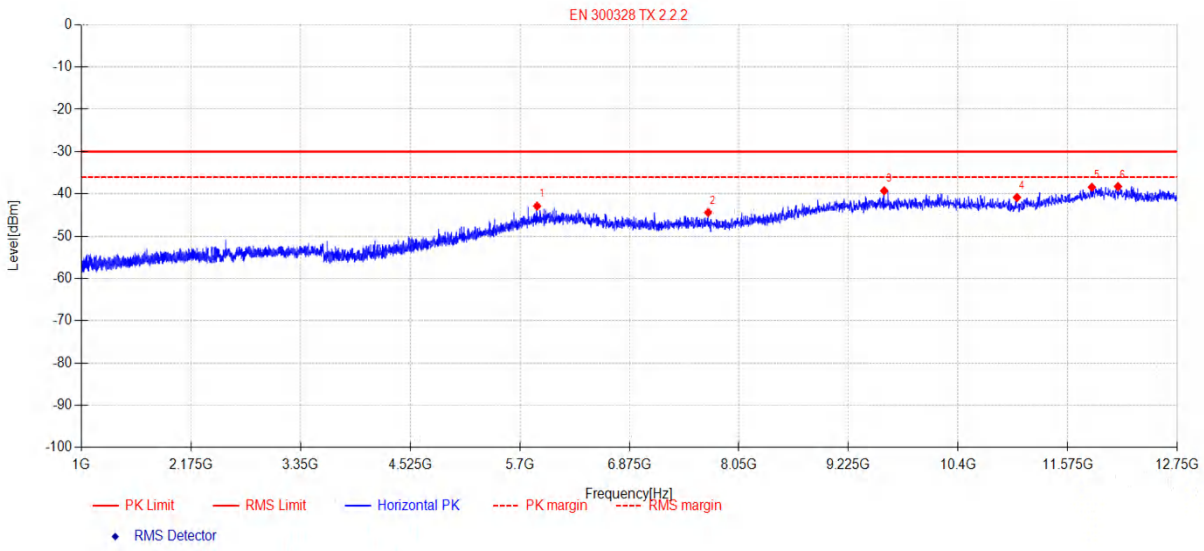
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	52.94	35.01	-113.73	-78.72	-54.00	24.72	PK	Vertical	ERP
2	96.01	34.11	-110.20	-76.09	-54.00	22.09	PK	Vertical	ERP
3	133.02	35.34	-111.90	-76.56	-36.00	40.56	PK	Vertical	ERP
4	211.44	27.19	-111.57	-84.38	-54.00	30.38	PK	Vertical	ERP
5	706.25	29.81	-97.49	-67.68	-36.00	31.68	PK	Vertical	ERP
6	901.43	27.81	-91.92	-64.11	-36.00	28.11	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-25	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2402		

Test Graph



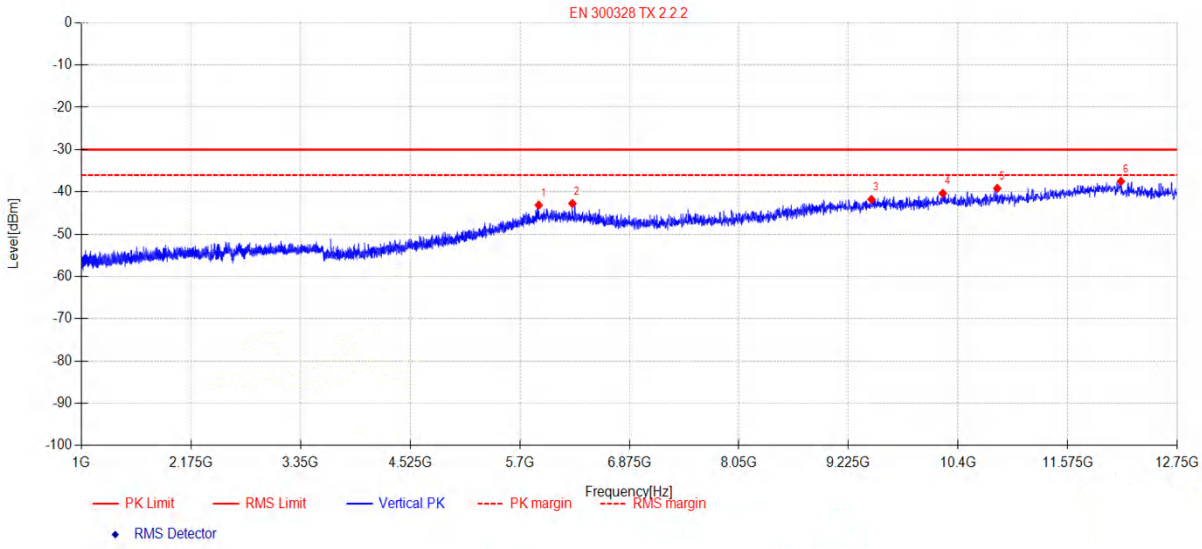
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	5885.73	49.60	-92.48	-42.88	-30.00	12.88	PK	Horizontal	EIRP
2	7720.33	48.86	-93.25	-44.39	-30.00	14.39	PK	Horizontal	EIRP
3	9607.04	48.91	-88.18	-39.27	-30.00	9.27	PK	Horizontal	EIRP
4	11030.95	47.32	-88.17	-40.85	-30.00	10.85	PK	Horizontal	EIRP
5	11833.74	47.39	-85.81	-38.42	-30.00	8.42	PK	Horizontal	EIRP
6	12114.11	47.24	-85.50	-38.26	-30.00	8.26	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-25	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2402		

Test Graph



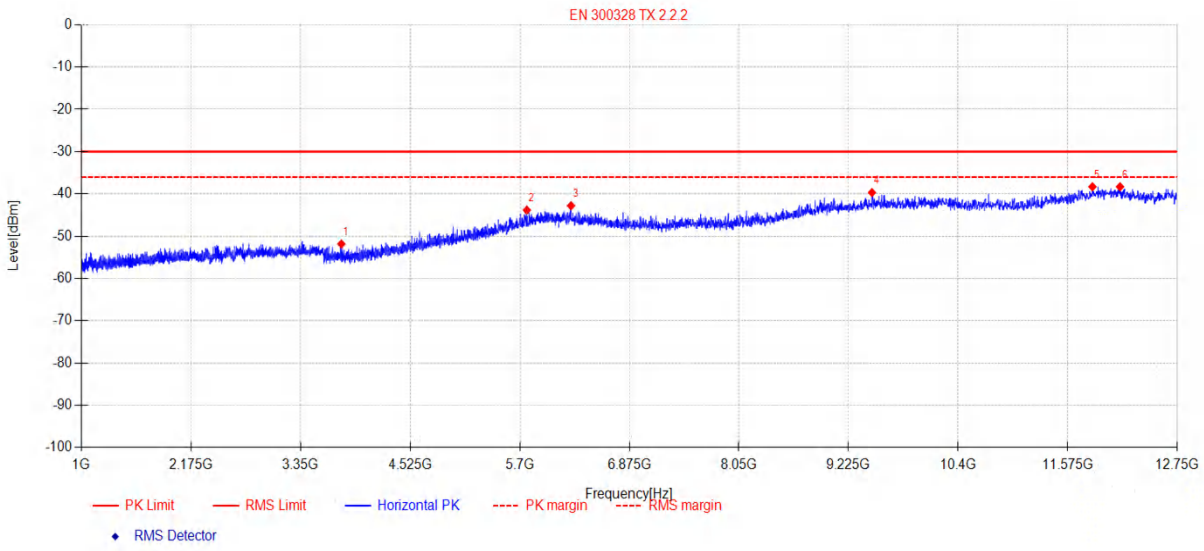
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	5903.73	49.26	-92.40	-43.14	-30.00	13.14	PK	Vertical	EIRP
2	6264.45	49.63	-92.37	-42.74	-30.00	12.74	PK	Vertical	EIRP
3	9471.08	46.91	-88.70	-41.79	-30.00	11.79	PK	Vertical	EIRP
4	10235.62	47.69	-88.04	-40.35	-30.00	10.35	PK	Vertical	EIRP
5	10819.62	48.00	-87.17	-39.17	-30.00	9.17	PK	Vertical	EIRP
6	12144.99	47.54	-85.06	-37.52	-30.00	7.52	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-25	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2441		

Test Graph



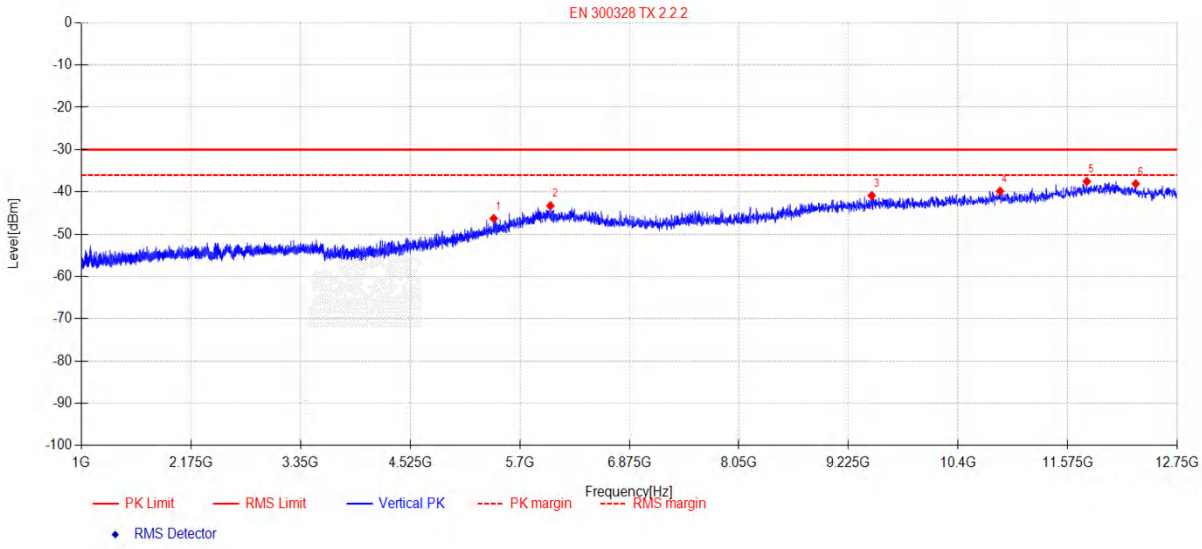
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3787.43	50.01	-101.86	-51.85	-30.00	21.85	PK	Horizontal	EIRP
2	5775.91	49.26	-93.09	-43.83	-30.00	13.83	PK	Horizontal	EIRP
3	6250.11	49.53	-92.33	-42.80	-30.00	12.80	PK	Horizontal	EIRP
4	9475.90	48.59	-88.28	-39.69	-30.00	9.69	PK	Horizontal	EIRP
5	11839.76	47.47	-85.78	-38.31	-30.00	8.31	PK	Horizontal	EIRP
6	12135.72	47.22	-85.54	-38.32	-30.00	8.32	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-25	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2441		

Test Graph



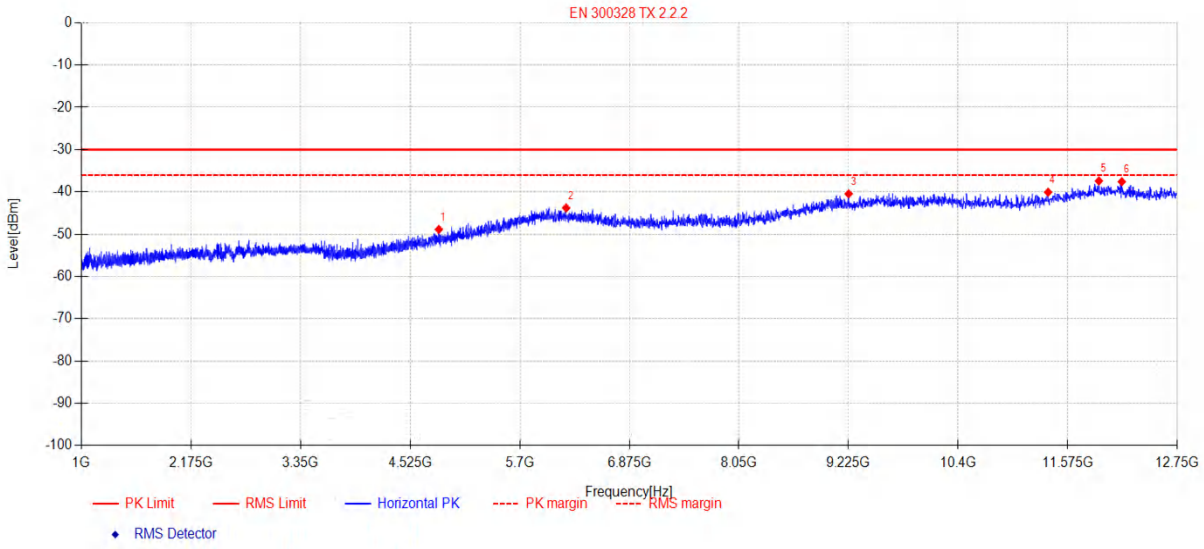
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	5421.21	49.04	-95.34	-46.30	-30.00	16.30	PK	Vertical	EIRP
2	6028.25	48.57	-91.87	-43.30	-30.00	13.30	PK	Vertical	EIRP
3	9473.49	47.82	-88.70	-40.88	-30.00	10.88	PK	Vertical	EIRP
4	10849.95	47.28	-87.13	-39.85	-30.00	9.85	PK	Vertical	EIRP
5	11779.65	47.70	-85.24	-37.54	-30.00	7.54	PK	Vertical	EIRP
6	12303.67	47.30	-85.38	-38.08	-30.00	8.08	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-25	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2480		

Test Graph



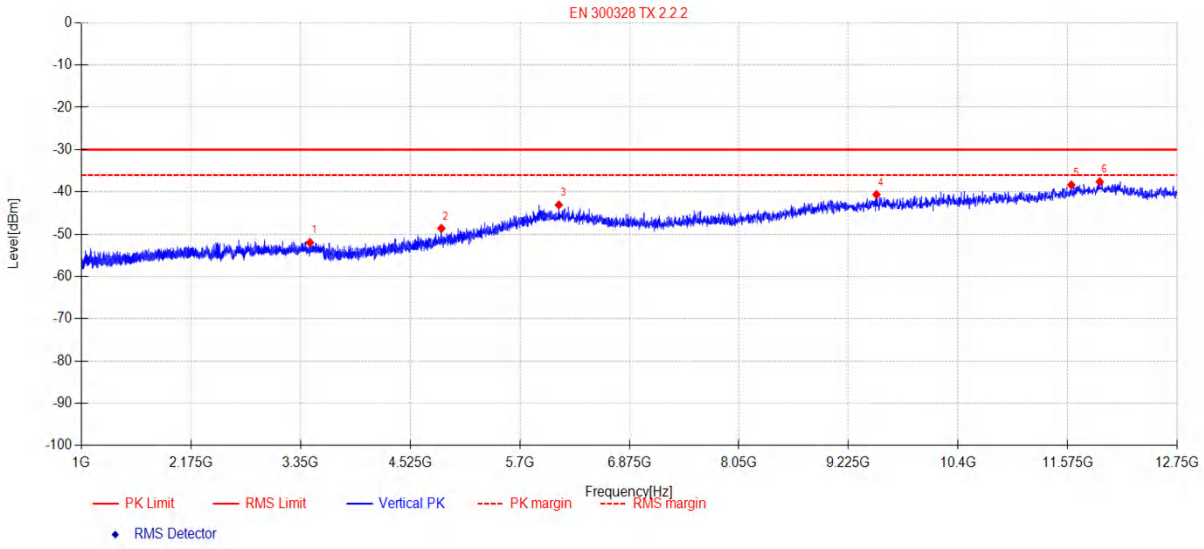
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	4832.05	49.26	-98.14	-48.88	-30.00	18.88	PK	Horizontal	EIRP
2	6197.83	48.44	-92.23	-43.79	-30.00	13.79	PK	Horizontal	EIRP
3	9226.01	48.00	-88.46	-40.46	-30.00	10.46	PK	Horizontal	EIRP
4	11364.39	47.11	-87.19	-40.08	-30.00	10.08	PK	Horizontal	EIRP
5	11909.28	48.17	-85.58	-37.41	-30.00	7.41	PK	Horizontal	EIRP
6	12154.26	47.96	-85.56	-37.60	-30.00	7.60	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-25	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2480		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3450.54	50.09	-102.07	-51.98	-30.00	21.98	PK	Vertical	EIRP
2	4859.19	49.81	-98.45	-48.64	-30.00	18.64	PK	Vertical	EIRP
3	6119.46	48.98	-92.07	-43.09	-30.00	13.09	PK	Vertical	EIRP
4	9524.26	48.04	-88.67	-40.63	-30.00	10.63	PK	Vertical	EIRP
5	11612.94	47.25	-85.59	-38.34	-30.00	8.34	PK	Vertical	EIRP
6	11918.38	47.34	-84.94	-37.60	-30.00	7.60	PK	Vertical	EIRP

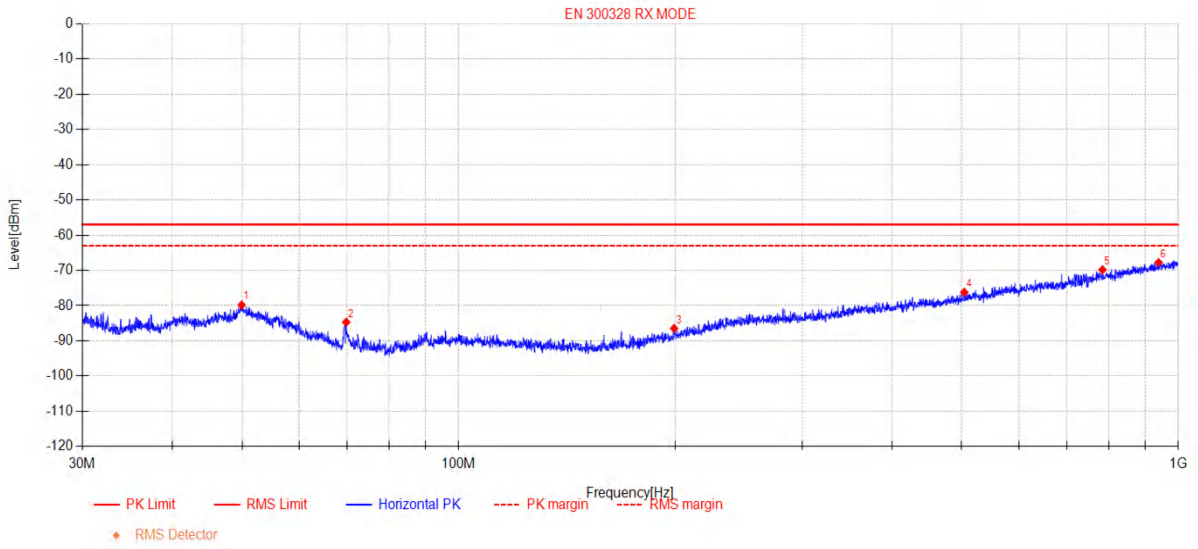
Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

11 Appendix A.11: Test Plots of Receiver Spurious Emission

Note: The EUT without antenna connector.

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2402 (HUAKESHENG)		

Test Graph



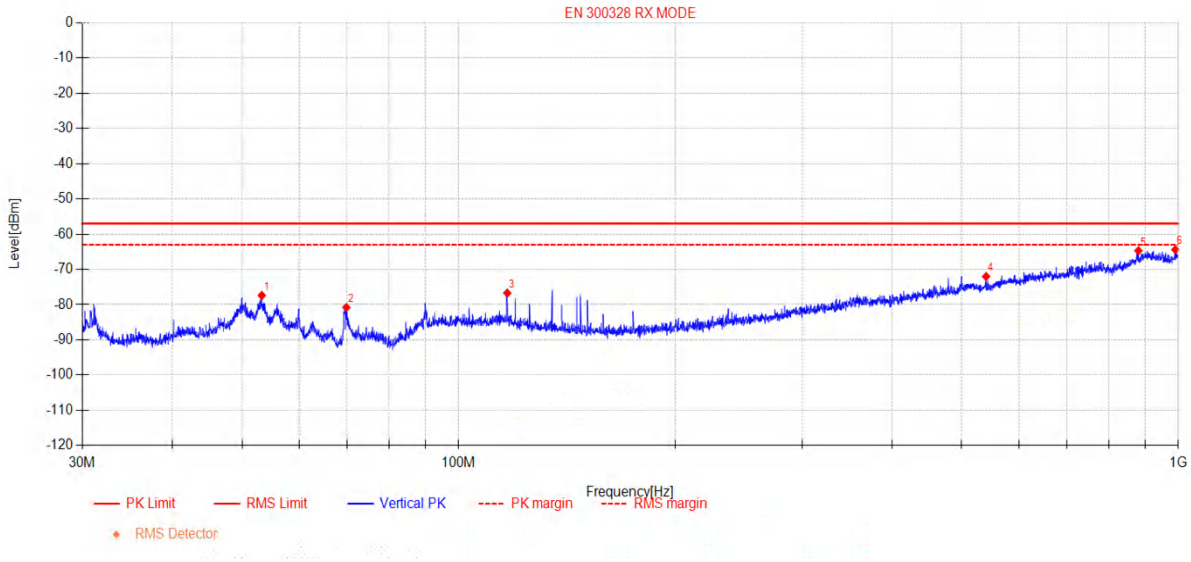
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	49.95	28.85	-108.68	-79.83	-57.00	22.83	PK	Horizontal	ERP
2	69.78	32.68	-117.38	-84.70	-57.00	27.70	PK	Horizontal	ERP
3	199.21	27.32	-113.79	-86.47	-57.00	29.47	PK	Horizontal	ERP
4	504.07	27.46	-103.67	-76.21	-57.00	19.21	PK	Horizontal	ERP
5	784.58	28.44	-98.27	-69.83	-57.00	12.83	PK	Horizontal	ERP
6	938.84	27.00	-94.74	-67.74	-57.00	10.74	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2402 (HUAKESHENG)		

Test Graph



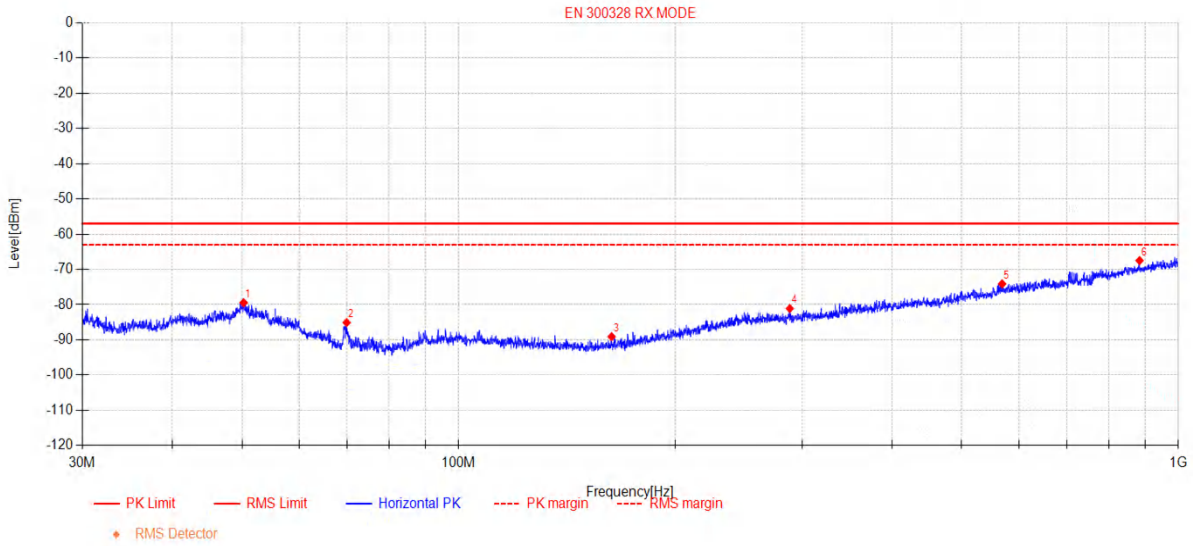
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	53.27	36.37	-113.77	-77.40	-57.00	20.40	PK	Vertical	ERP
2	69.83	36.90	-117.69	-80.79	-57.00	23.79	PK	Vertical	ERP
3	116.84	34.12	-110.85	-76.73	-57.00	19.73	PK	Vertical	ERP
4	540.68	28.71	-100.71	-72.00	-57.00	15.00	PK	Vertical	ERP
5	880.19	28.48	-93.17	-64.69	-57.00	7.69	PK	Vertical	ERP
6	990.23	27.71	-92.11	-64.40	-57.00	7.40	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2480 (HUAKESHENG)		

Test Graph



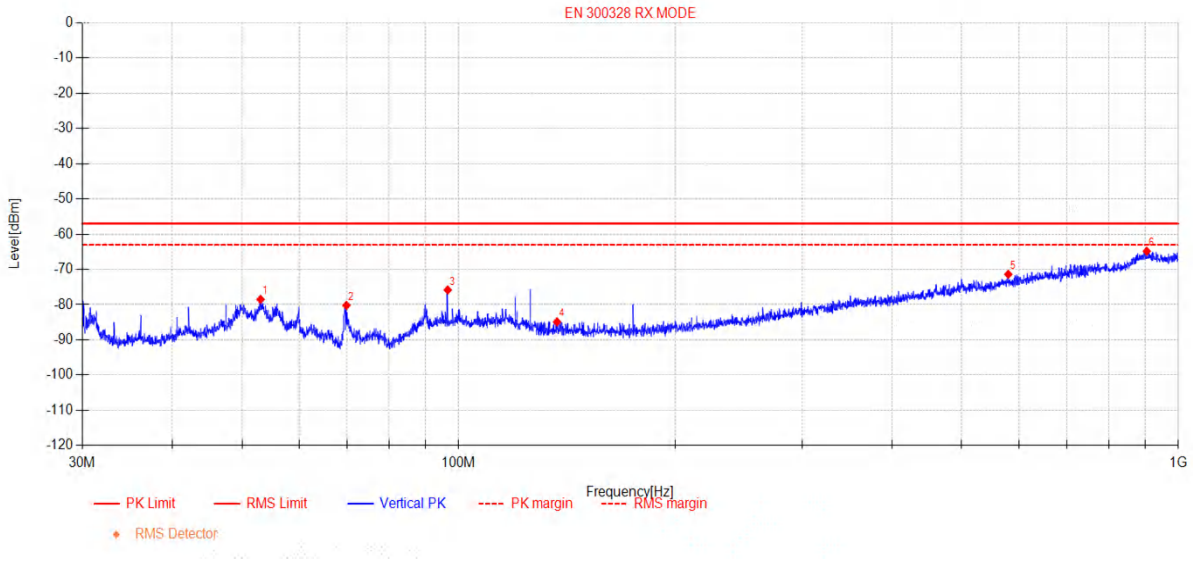
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	50.26	29.30	-108.76	-79.46	-57.00	22.46	PK	Horizontal	ERP
2	69.88	32.35	-117.44	-85.09	-57.00	28.09	PK	Horizontal	ERP
3	163.13	27.50	-116.60	-89.10	-57.00	32.10	PK	Horizontal	ERP
4	288.47	28.11	-109.22	-81.11	-57.00	24.11	PK	Horizontal	ERP
5	569.08	28.09	-102.19	-74.10	-57.00	17.10	PK	Horizontal	ERP
6	883.29	28.49	-95.98	-67.49	-57.00	10.49	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2480 (HUAKESHENG)		

Test Graph



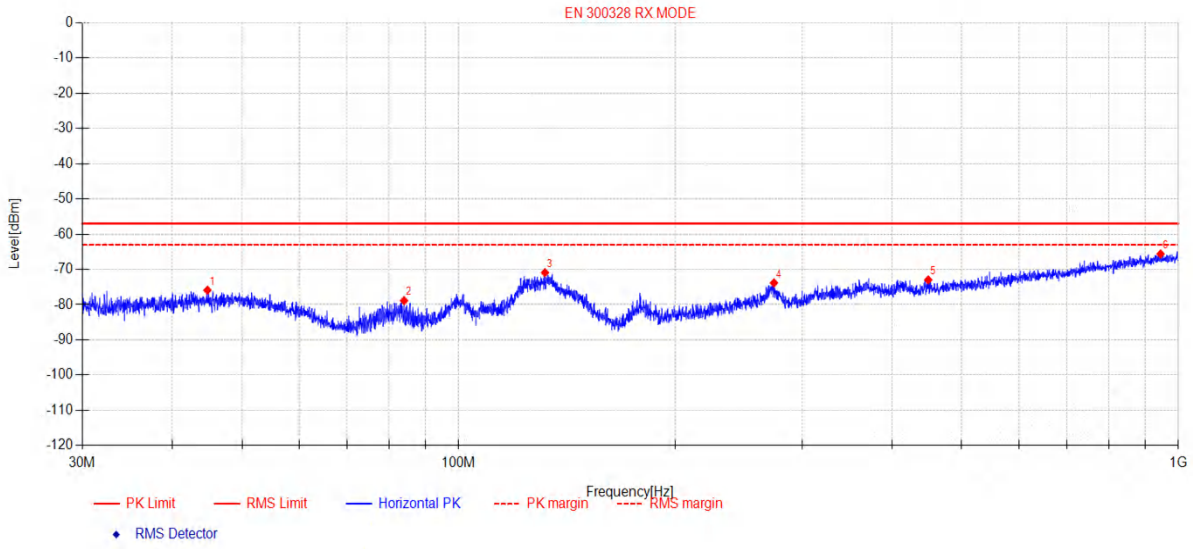
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	53.05	35.24	-113.75	-78.51	-57.00	21.51	PK	Vertical	ERP
2	69.83	37.49	-117.69	-80.20	-57.00	23.20	PK	Vertical	ERP
3	96.55	34.29	-110.13	-75.84	-57.00	18.84	PK	Vertical	ERP
4	136.99	27.29	-112.17	-84.88	-57.00	27.88	PK	Vertical	ERP
5	580.36	28.43	-99.82	-71.39	-57.00	14.39	PK	Vertical	ERP
6	903.96	27.15	-91.97	-64.82	-57.00	7.82	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2402 (LianGang)		

Test Graph



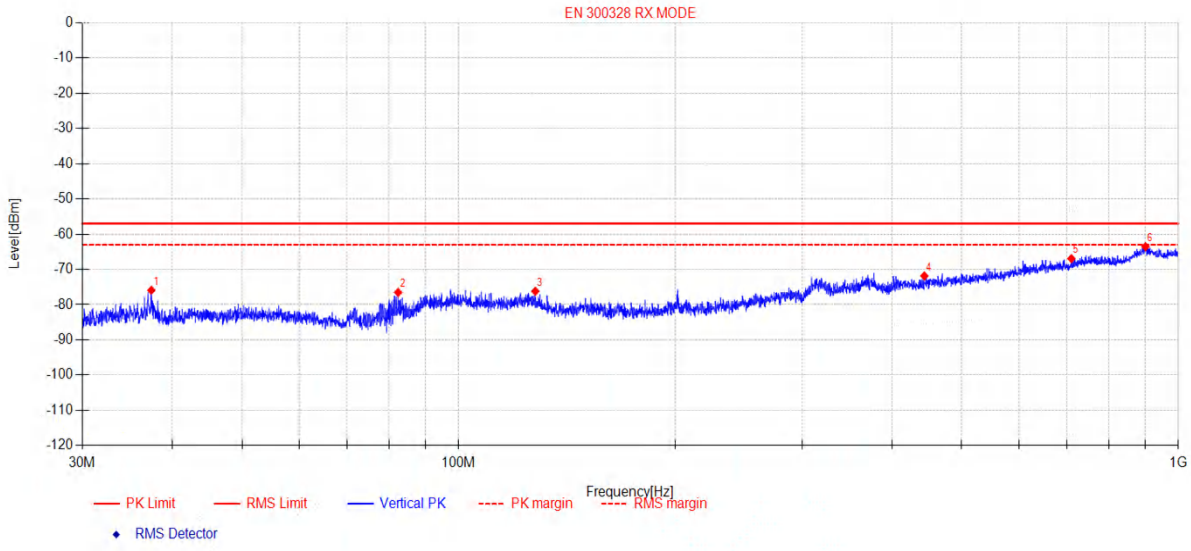
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	44.77	2.76	-78.67	-75.91	-57.00	18.91	PK	Horizontal	ERP
2	83.97	7.46	-86.32	-78.86	-57.00	21.86	PK	Horizontal	ERP
3	131.81	14.84	-85.76	-70.92	-57.00	13.92	PK	Horizontal	ERP
4	274.26	5.07	-78.92	-73.85	-57.00	16.85	PK	Horizontal	ERP
5	449.31	2.19	-75.16	-72.97	-57.00	15.97	PK	Horizontal	ERP
6	944.79	0.40	-66.01	-65.61	-57.00	8.61	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2402 (LianGang)		

Test Graph



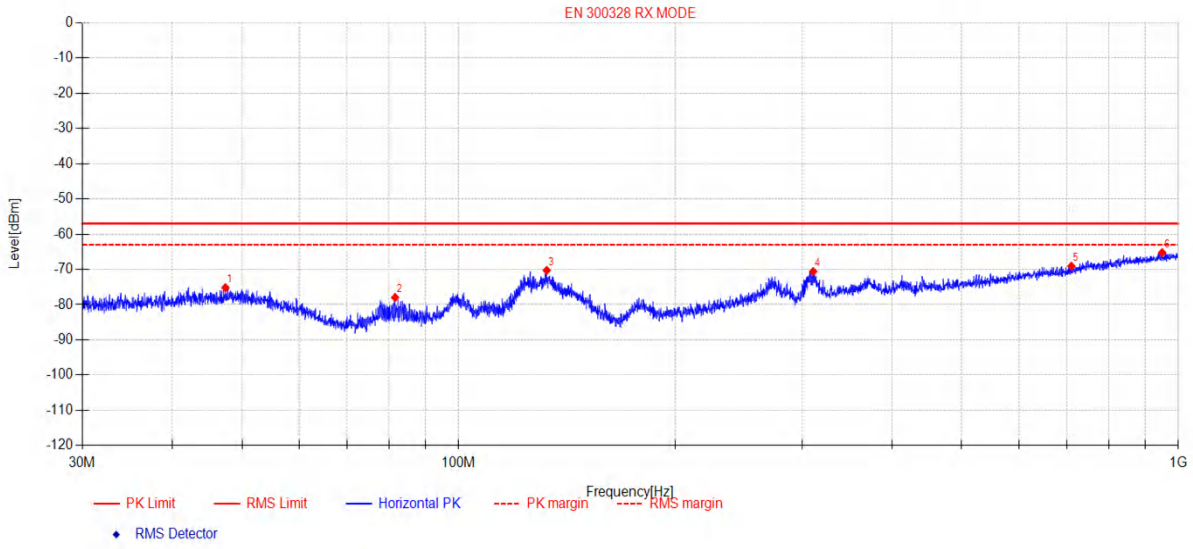
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	37.41	8.12	-84.05	-75.93	-57.00	18.93	PK	Vertical	ERP
2	82.40	8.25	-84.78	-76.53	-57.00	19.53	PK	Vertical	ERP
3	127.81	4.55	-80.75	-76.20	-57.00	19.20	PK	Vertical	ERP
4	443.68	1.39	-73.24	-71.85	-57.00	14.85	PK	Vertical	ERP
5	710.23	0.53	-67.46	-66.93	-57.00	9.93	PK	Vertical	ERP
6	900.17	-0.65	-62.90	-63.55	-57.00	6.55	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2441 (LianGang)		

Test Graph



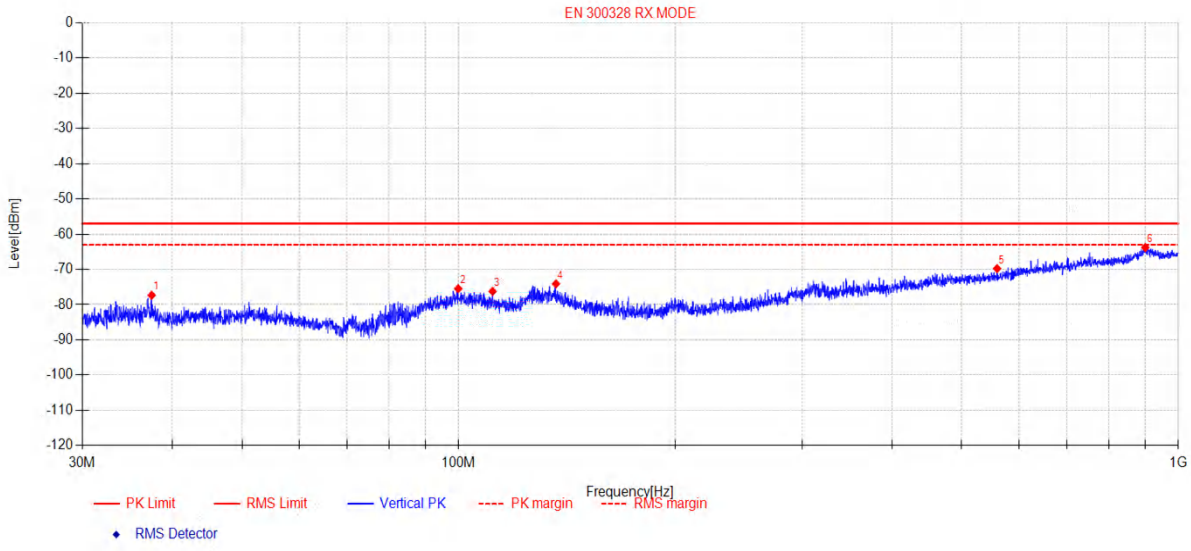
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	47.42	3.12	-78.31	-75.19	-57.00	18.19	PK	Horizontal	ERP
2	81.60	8.88	-86.85	-77.97	-57.00	20.97	PK	Horizontal	ERP
3	132.55	15.53	-85.81	-70.28	-57.00	13.28	PK	Horizontal	ERP
4	310.94	7.81	-78.41	-70.60	-57.00	13.60	PK	Horizontal	ERP
5	710.23	0.90	-69.99	-69.09	-57.00	12.09	PK	Horizontal	ERP
6	949.44	0.72	-65.95	-65.23	-57.00	8.23	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2441 (LianGang)		

Test Graph



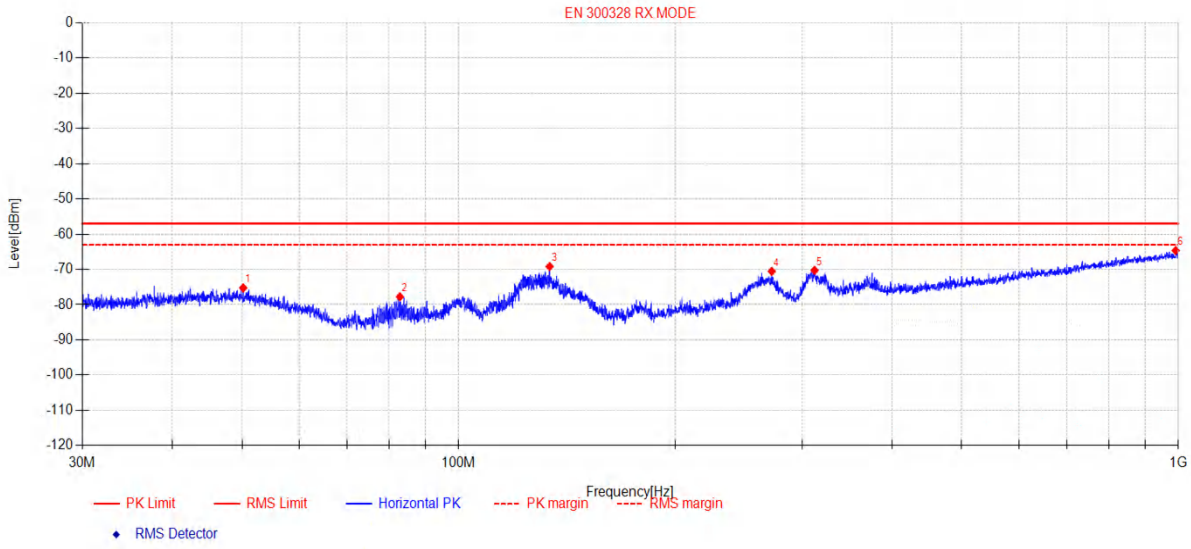
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	37.44	6.71	-84.04	-77.33	-57.00	20.33	PK	Vertical	ERP
2	99.85	3.40	-78.87	-75.47	-57.00	18.47	PK	Vertical	ERP
3	111.47	3.40	-79.63	-76.23	-57.00	19.23	PK	Vertical	ERP
4	136.51	7.23	-81.34	-74.11	-57.00	17.11	PK	Vertical	ERP
5	559.97	0.65	-70.41	-69.76	-57.00	12.76	PK	Vertical	ERP
6	899.54	-0.87	-62.91	-63.78	-57.00	6.78	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2480 (LianGang)		

Test Graph



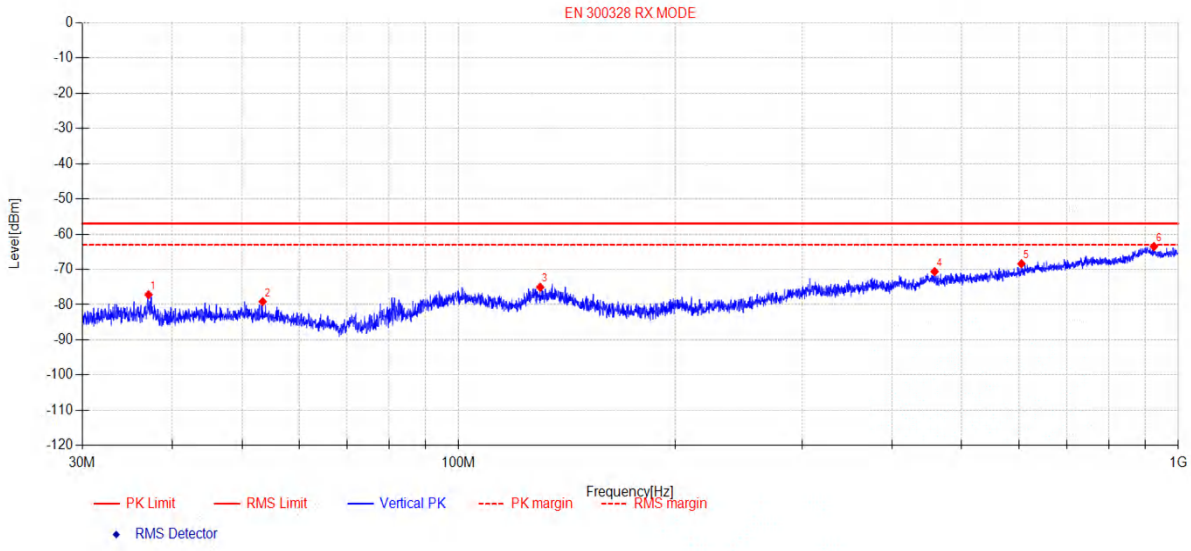
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	50.19	2.80	-78.04	-75.24	-57.00	18.24	PK	Horizontal	ERP
2	82.86	8.81	-86.57	-77.76	-57.00	20.76	PK	Horizontal	ERP
3	133.77	16.69	-85.88	-69.19	-57.00	12.19	PK	Horizontal	ERP
4	272.35	8.38	-78.93	-70.55	-57.00	13.55	PK	Horizontal	ERP
5	312.25	8.08	-78.35	-70.27	-57.00	13.27	PK	Horizontal	ERP
6	991.62	0.98	-65.62	-64.64	-57.00	7.64	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2480 (LianGang)		

Test Graph



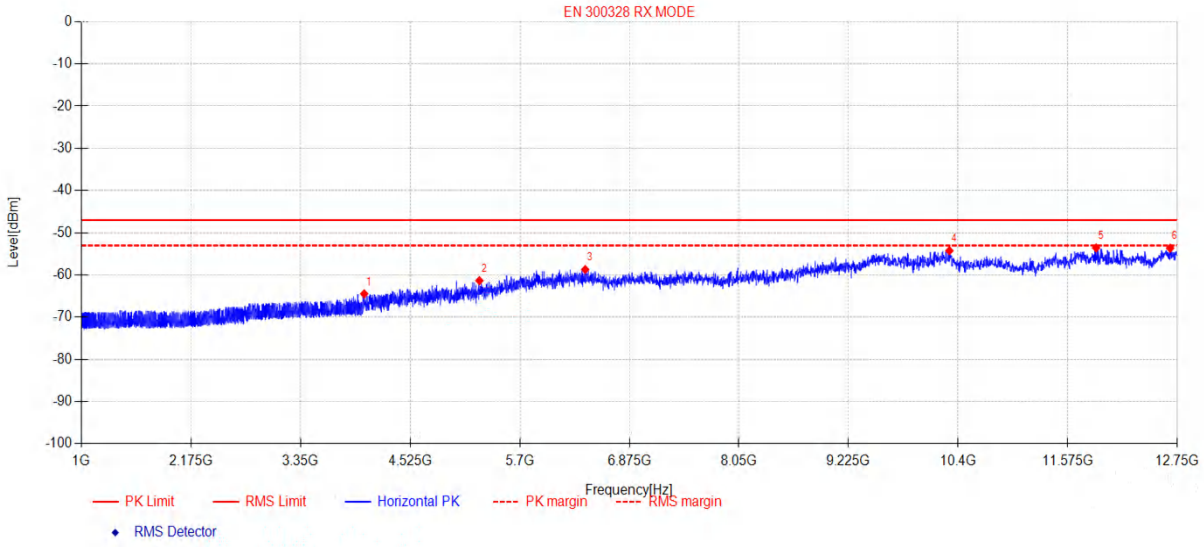
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	37.08	6.92	-84.09	-77.17	-57.00	20.17	PK	Vertical	ERP
2	53.42	3.94	-83.10	-79.16	-57.00	22.16	PK	Vertical	ERP
3	129.79	5.83	-80.88	-75.05	-57.00	18.05	PK	Vertical	ERP
4	458.54	2.21	-72.83	-70.62	-57.00	13.62	PK	Vertical	ERP
5	605.30	0.95	-69.33	-68.38	-57.00	11.38	PK	Vertical	ERP
6	925.12	0.08	-63.59	-63.51	-57.00	6.51	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2402		

Test Graph



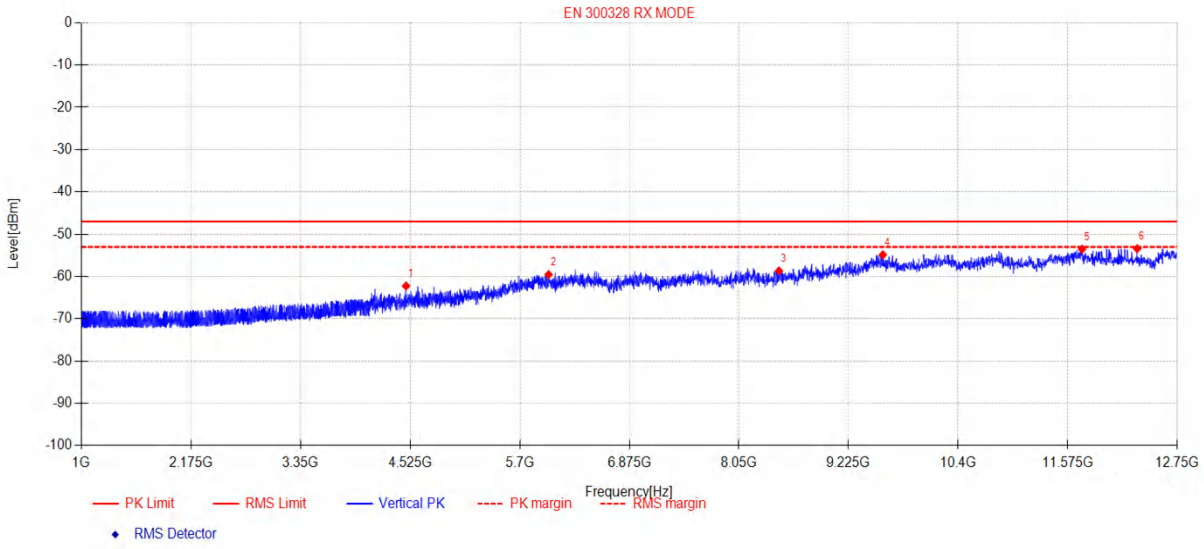
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	4032.16	37.94	-102.43	-64.49	-47.00	17.49	PK	Horizontal	EIRP
2	5267.50	37.19	-98.53	-61.34	-47.00	14.34	PK	Horizontal	EIRP
3	6401.45	36.28	-94.99	-58.71	-47.00	11.71	PK	Horizontal	EIRP
4	10306.20	34.41	-88.67	-54.26	-47.00	7.26	PK	Horizontal	EIRP
5	11879.01	33.10	-86.70	-53.60	-47.00	6.60	PK	Horizontal	EIRP
6	12672.35	33.70	-87.37	-53.67	-47.00	6.67	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2402		

Test Graph



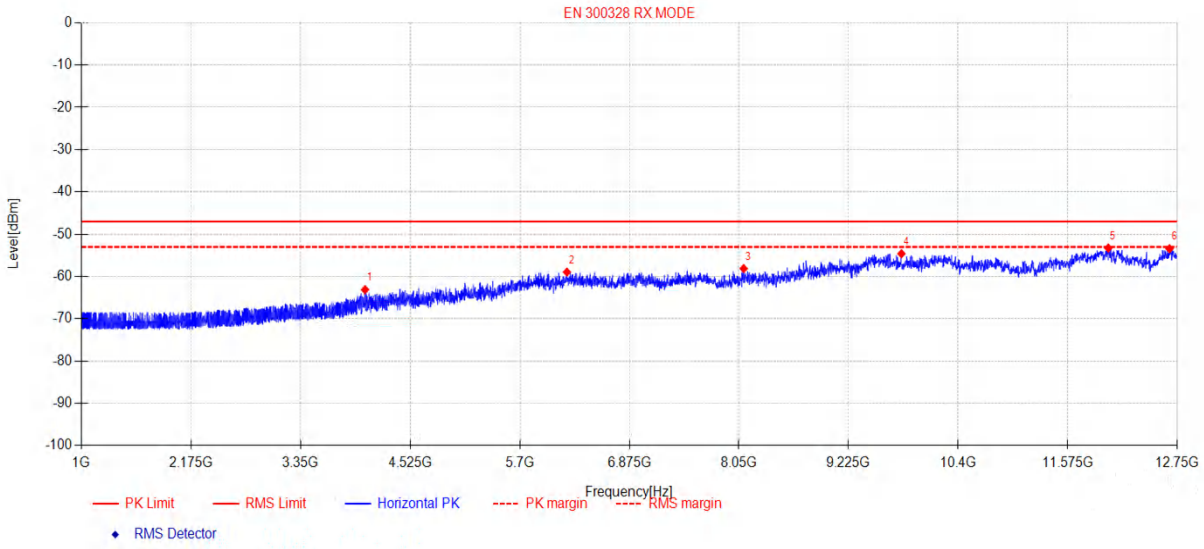
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	4481.38	39.21	-101.46	-62.25	-47.00	15.25	PK	Vertical	EIRP
2	6009.86	35.52	-95.08	-59.56	-47.00	12.56	PK	Vertical	EIRP
3	8478.41	33.28	-91.97	-58.69	-47.00	11.69	PK	Vertical	EIRP
4	9592.38	34.64	-89.52	-54.88	-47.00	7.88	PK	Vertical	EIRP
5	11728.79	32.75	-86.31	-53.56	-47.00	6.56	PK	Vertical	EIRP
6	12319.34	32.99	-86.43	-53.44	-47.00	6.44	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2441		

Test Graph



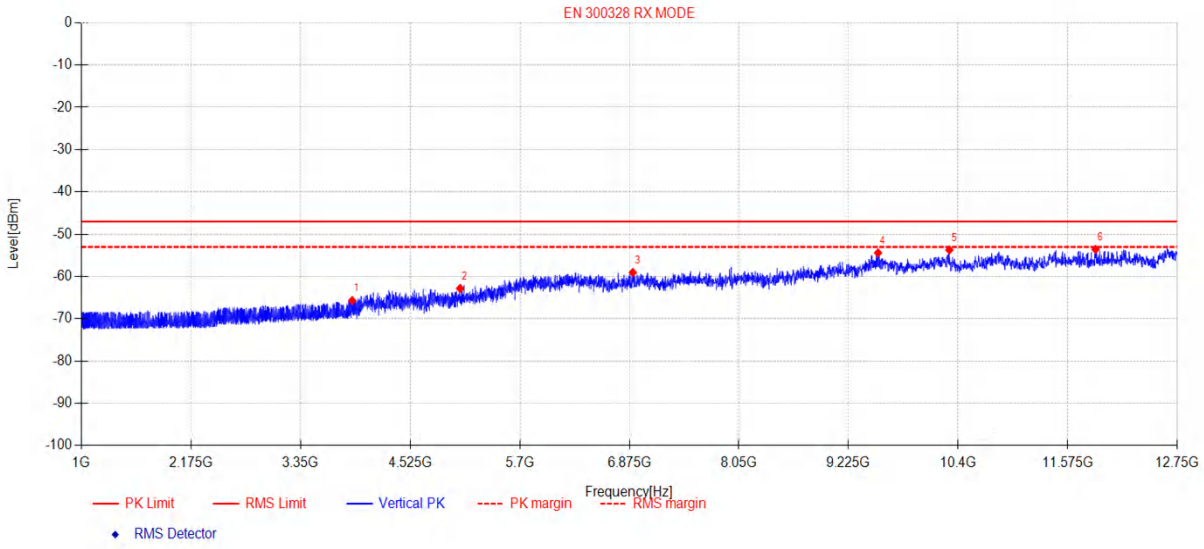
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	4041.41	39.29	-102.41	-63.12	-47.00	16.12	PK	Horizontal	EIRP
2	6205.73	36.08	-95.06	-58.98	-47.00	11.98	PK	Horizontal	EIRP
3	8100.80	35.45	-93.59	-58.14	-47.00	11.14	PK	Horizontal	EIRP
4	9792.20	34.20	-88.82	-54.62	-47.00	7.62	PK	Horizontal	EIRP
5	12009.73	33.13	-86.41	-53.28	-47.00	6.28	PK	Horizontal	EIRP
6	12665.90	33.92	-87.37	-53.45	-47.00	6.45	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2441		

Test Graph



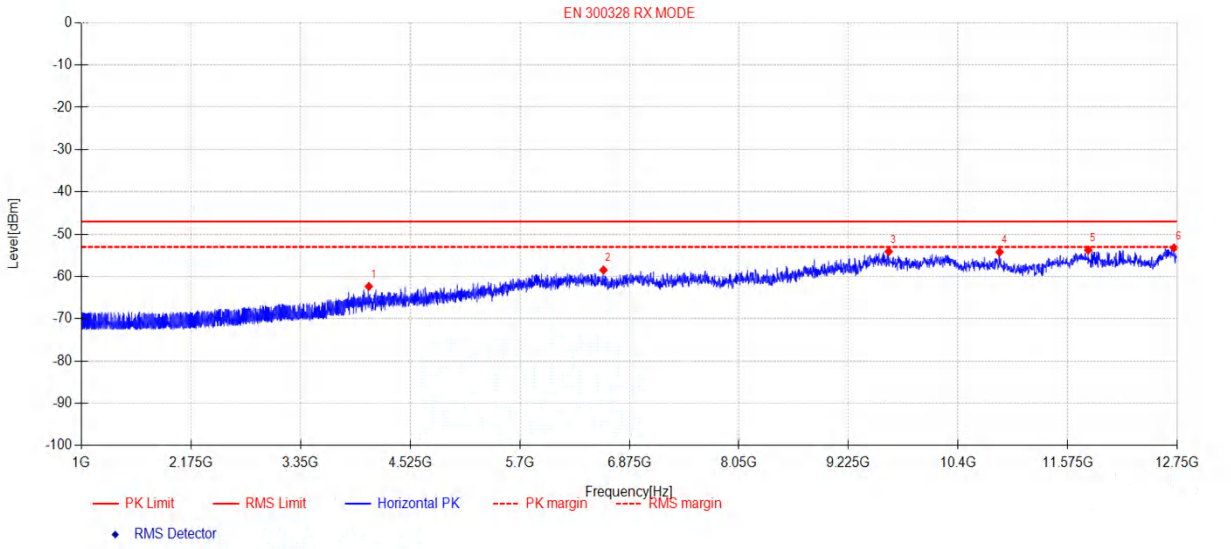
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3903.91	36.96	-102.65	-65.69	-47.00	18.69	PK	Vertical	EIRP
2	5061.16	37.12	-99.97	-62.85	-47.00	15.85	PK	Vertical	EIRP
3	6912.92	35.90	-94.97	-59.07	-47.00	12.07	PK	Vertical	EIRP
4	9541.25	35.16	-89.58	-54.42	-47.00	7.42	PK	Vertical	EIRP
5	10306.20	34.86	-88.60	-53.74	-47.00	6.74	PK	Vertical	EIRP
6	11872.96	32.45	-86.06	-53.61	-47.00	6.61	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2480		

Test Graph



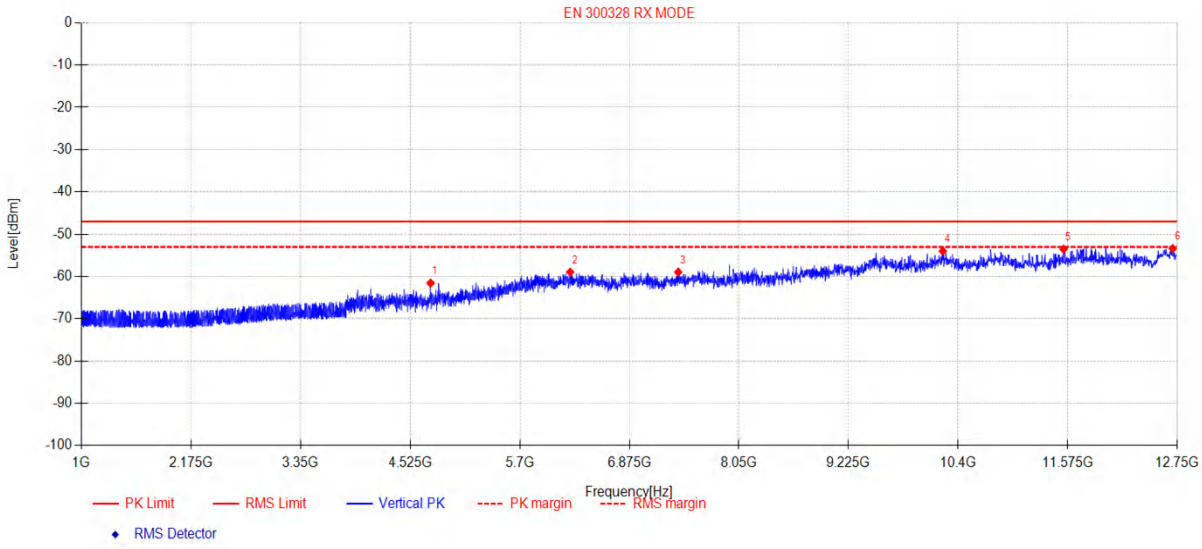
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	4081.73	39.93	-102.30	-62.37	-47.00	15.37	PK	Horizontal	EIRP
2	6598.31	36.46	-94.94	-58.48	-47.00	11.48	PK	Horizontal	EIRP
3	9656.07	34.89	-89.00	-54.11	-47.00	7.11	PK	Horizontal	EIRP
4	10844.43	34.65	-88.89	-54.24	-47.00	7.24	PK	Horizontal	EIRP
5	11794.65	33.14	-86.91	-53.77	-47.00	6.77	PK	Horizontal	EIRP
6	12714.35	34.17	-87.43	-53.26	-47.00	6.26	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	DH5 2480		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	4744.31	39.29	-100.86	-61.57	-47.00	14.57	PK	Vertical	EIRP
2	6240.57	36.10	-95.06	-58.96	-47.00	11.96	PK	Vertical	EIRP
3	7399.05	35.44	-94.42	-58.98	-47.00	11.98	PK	Vertical	EIRP
4	10235.62	34.71	-88.71	-54.00	-47.00	7.00	PK	Vertical	EIRP
5	11530.47	33.12	-86.66	-53.54	-47.00	6.54	PK	Vertical	EIRP
6	12701.41	33.72	-87.12	-53.40	-47.00	6.40	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Appendix B

Test Results of Bluetooth Low Energy

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1 Appendix B.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.

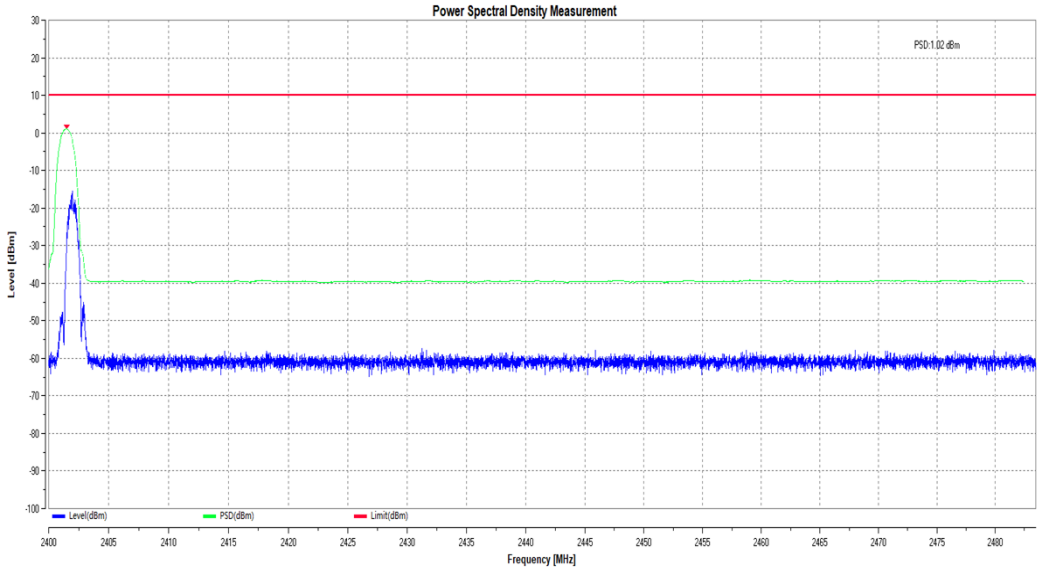
Test Condition	Test Mode	Antenna	Frequency [MHz]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
NTNV	BLE_1M	Ant1	2402	1.11	20	PASS
			2440	-1.63	20	PASS
			2480	-1.44	20	PASS
LTNV	BLE_1M	Ant1	2402	1.10	20	PASS
			2440	-1.61	20	PASS
			2480	-1.43	20	PASS
HTNV	BLE_1M	Ant1	2402	1.13	20	PASS
			2440	-1.65	20	PASS
			2480	-1.44	20	PASS

2 Appendix B.2: Power density

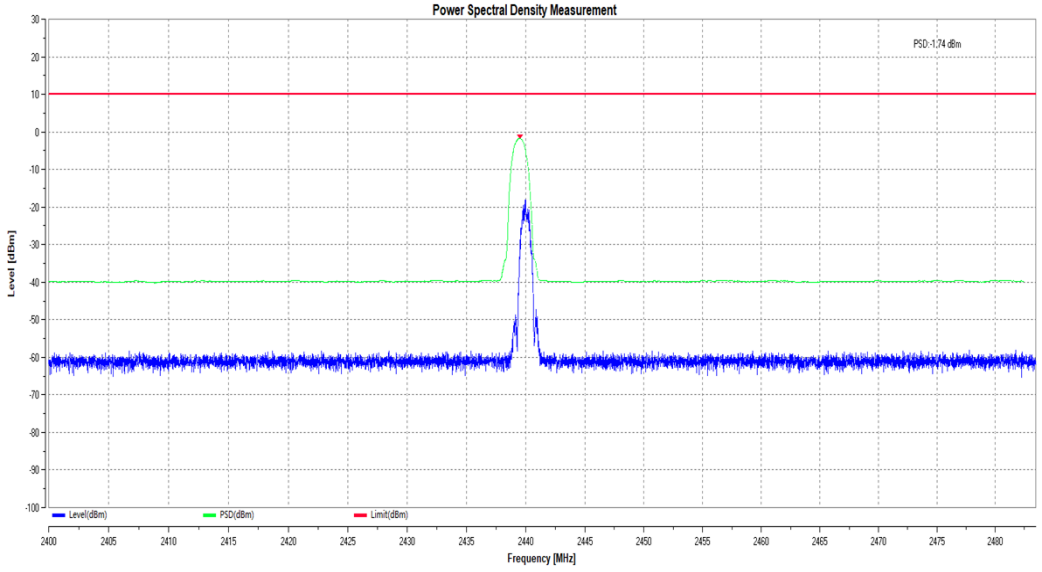
The power density is the mean Equivalent Isotropically Radiated Power (EIRP) density during a transmission burst. Only the worst case for all test modes reported.

Test Mode	Antenna	Frequency [MHz]	EIRP PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
BLE_1M	Ant1	2402	1.02	10	PASS
		2440	-1.74	10	PASS
		2480	-1.55	10	PASS

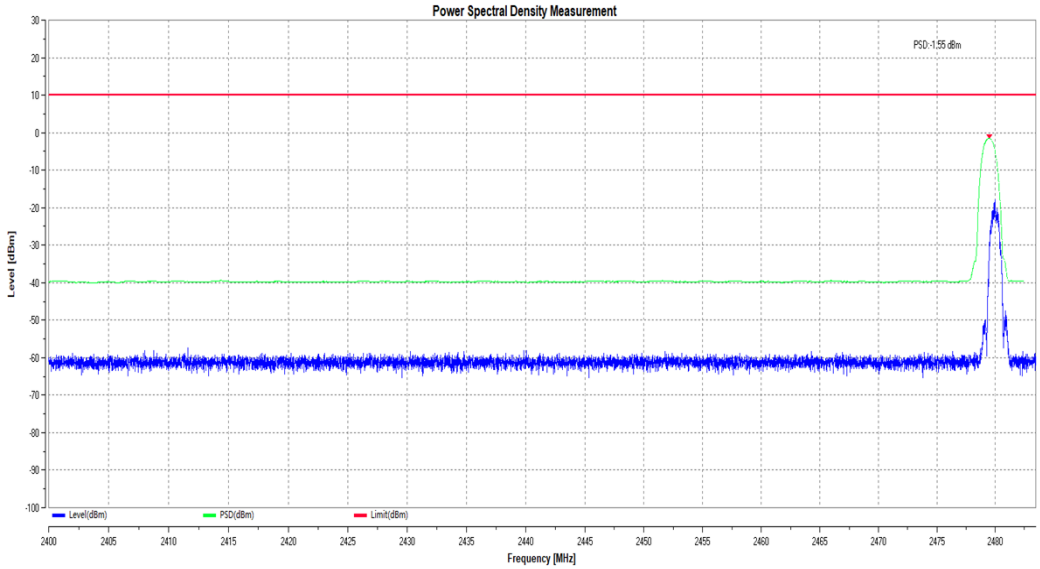
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



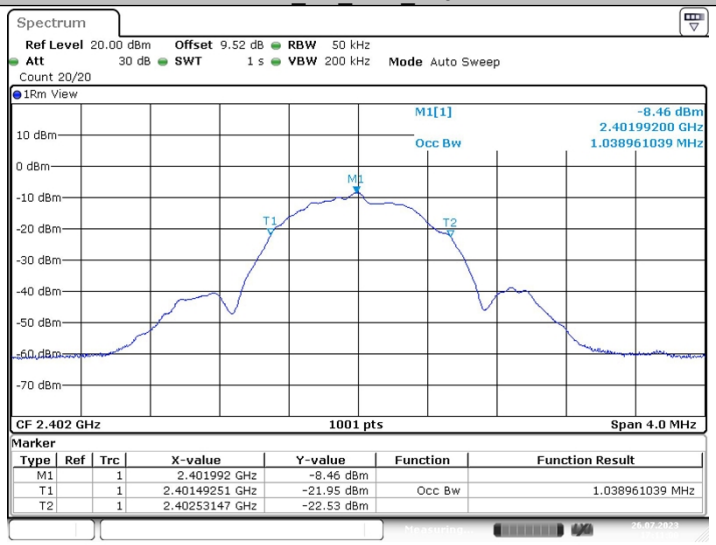
BLE_1M_Ant1_2480



3 Appendix B.3 : Occupied Channel Bandwidth

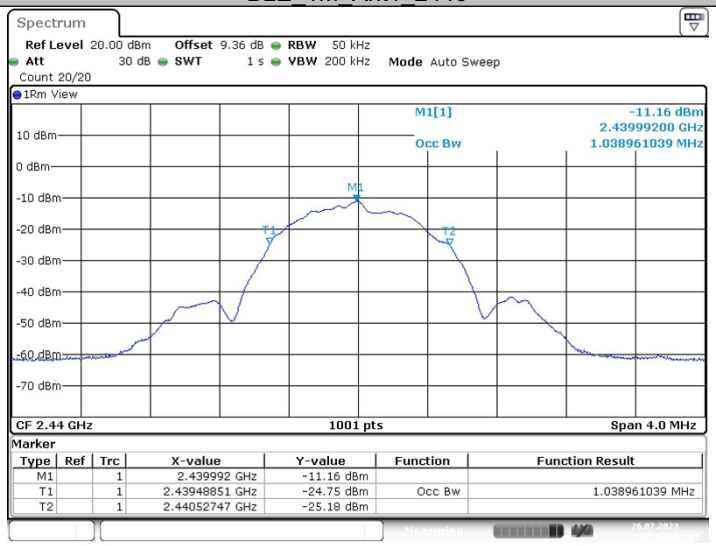
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.039	2401.4925	2402.5315	2400 to 2483.5	PASS
		2440	1.039	2439.4885	2440.5275	2400 to 2483.5	PASS
		2480	1.039	2479.4885	2480.5275	2400 to 2483.5	PASS

BLE_1M_Ant1_2402



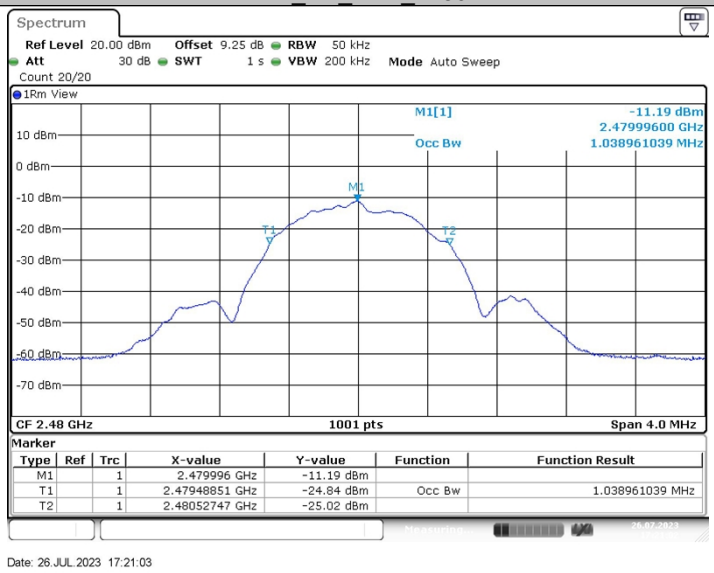
Date: 26.JUL.2023 17:11:00

BLE_1M_Ant1_2440



Date: 26.JUL.2023 17:16:16

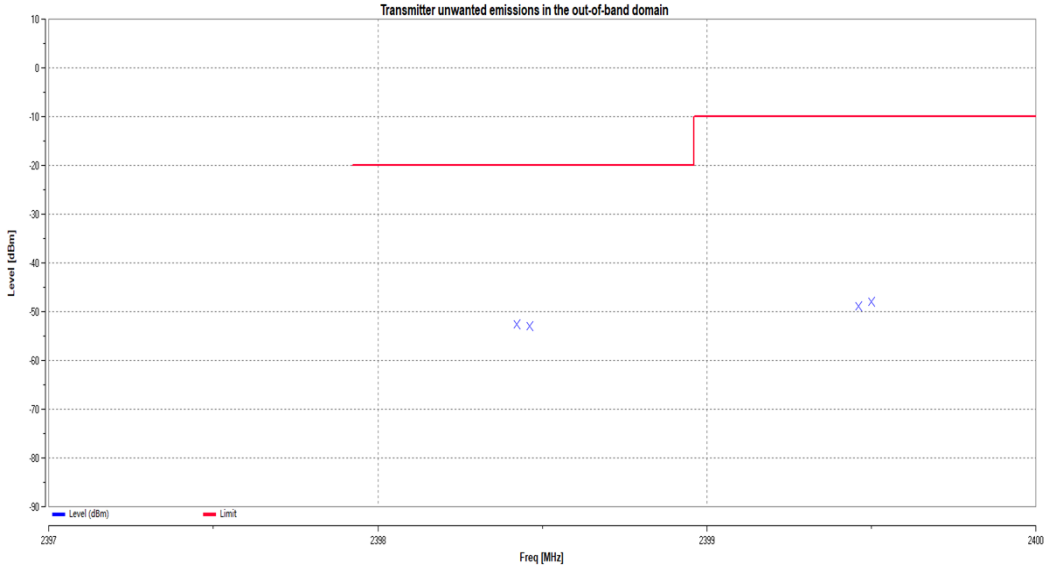
BLE_1M_Ant1_2480



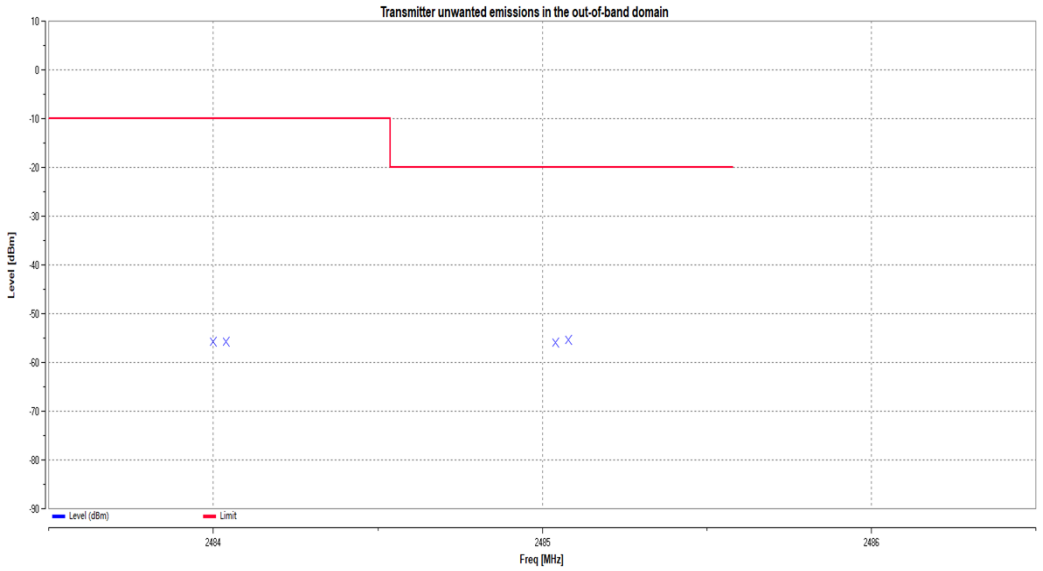
4 Appendix B.4 : Tx unwanted emissions in the out-of-band domain

Test Mode	Antenna	Frequency [MHz]	Frequency [MHz]	Level [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	2398.422	-52.58	-20.00	PASS
			2398.461	-53.00	-20.00	PASS
			2399.461	-48.82	-10.00	PASS
			2399.5	-48.03	-10.00	PASS
			2484	-55.81	-10.00	PASS
			2484.039	-55.70	-10.00	PASS
			2485.039	-55.97	-20.00	PASS
			2485.078	-55.36	-20.00	PASS
		2480	2398.422	-55.85	-20.00	PASS
			2398.461	-55.72	-20.00	PASS
			2399.461	-55.84	-10.00	PASS
			2399.5	-55.49	-10.00	PASS
			2484	-52.92	-10.00	PASS
			2484.039	-53.28	-10.00	PASS
			2485.039	-53.75	-20.00	PASS
			2485.078	-53.85	-20.00	PASS

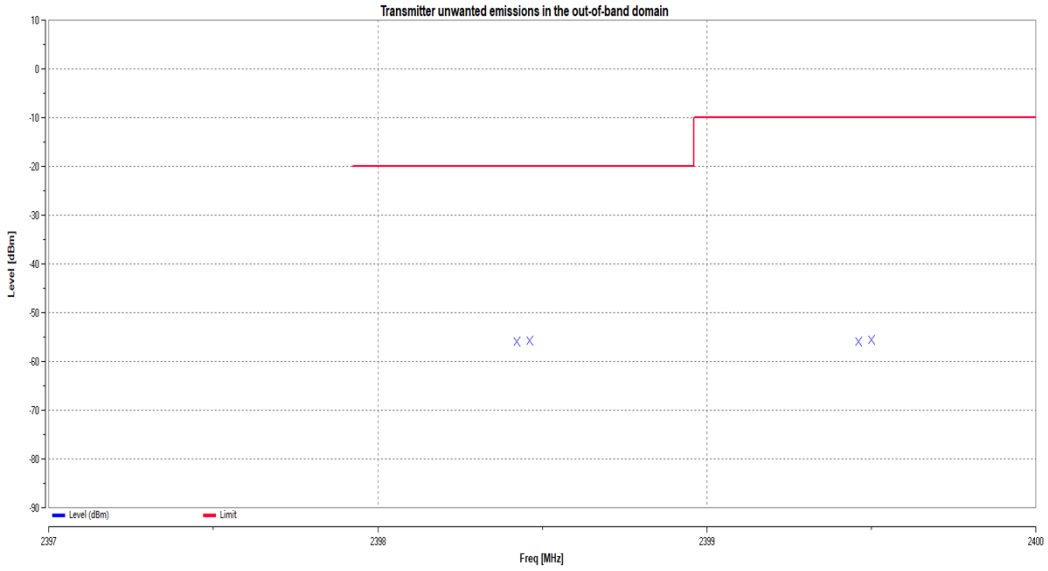
BLE_1M_Ant1_2402_2400MHz-2BW to 2400MHz



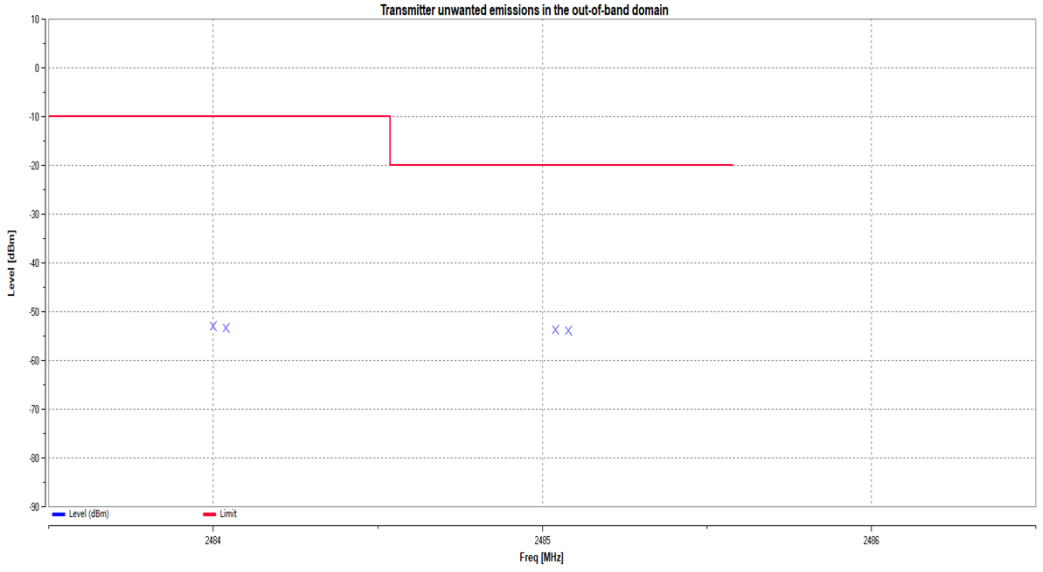
BLE_1M_Ant1_2402_2483.5MHz to 2483.5MHz+2BW



BLE_1M_Ant1_2480_2400MHz-2BW to 2400MHz



BLE_1M_Ant1_2480_2483.5MHz to 2483.5MHz+2BW

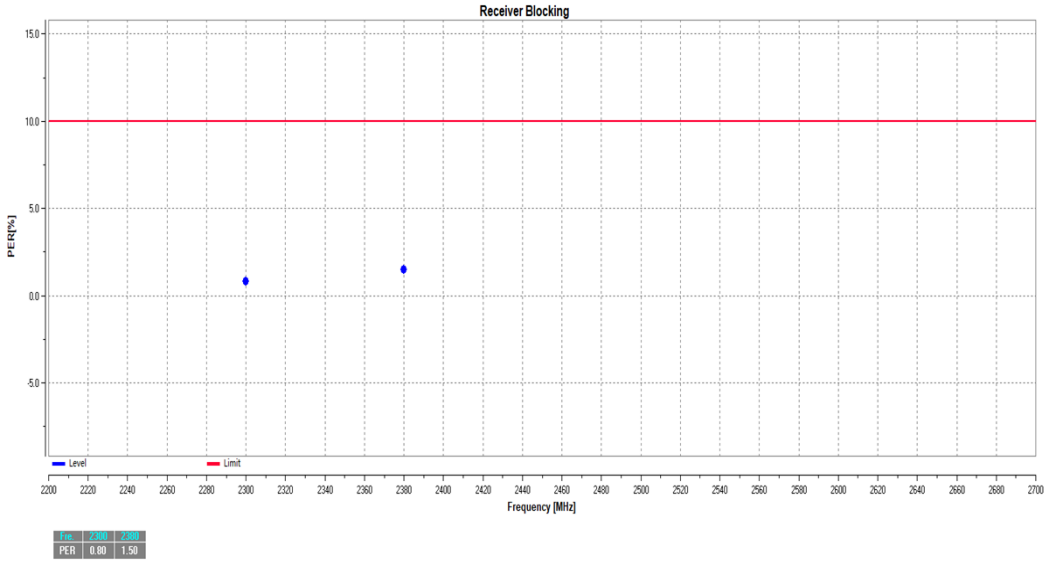


5 Appendix B.5: Receiver Blocking

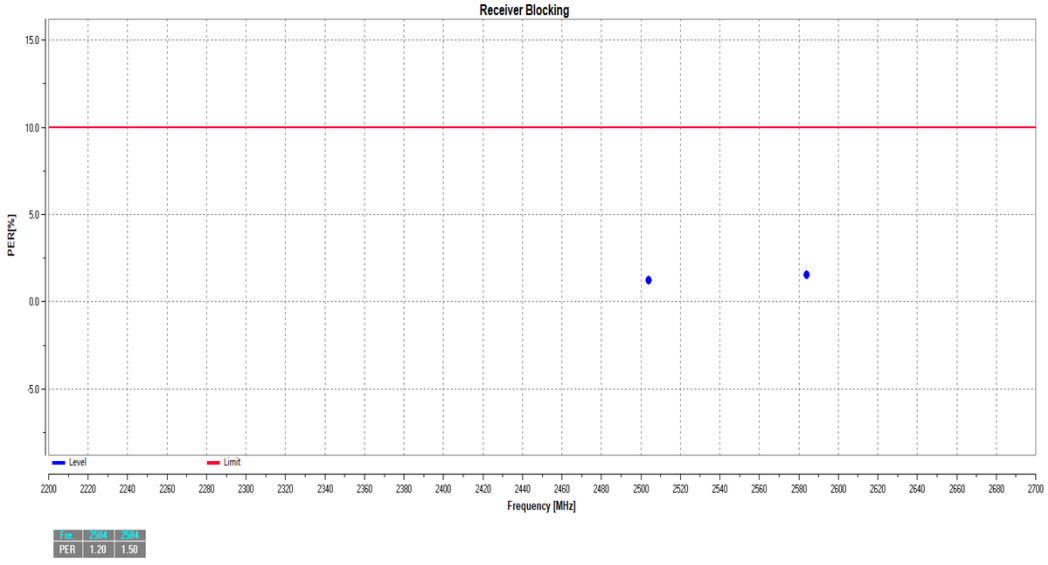
Note: The EUT is category 2 receiver.

Test Mode	Antenna	Frequency [MHz]	Pmin [dBm]	Wanted signal [dBm]	Frequency [MHz]	CW [dBm]	PER [%]	Limit [%]	Verdict
BLE_1M	Ant1	2402	---	-69.12	2300	-34.29	0.80	≤10	PASS
			---	-69.12	2380	-34.29	1.50	≤10	PASS
		2480	---	-59.12	2504	-34.29	1.20	≤10	PASS
			---	-59.12	2584	-34.29	1.50	≤10	PASS

BLE_1M_Ant1_2402



BLE_1M_Ant1_2480



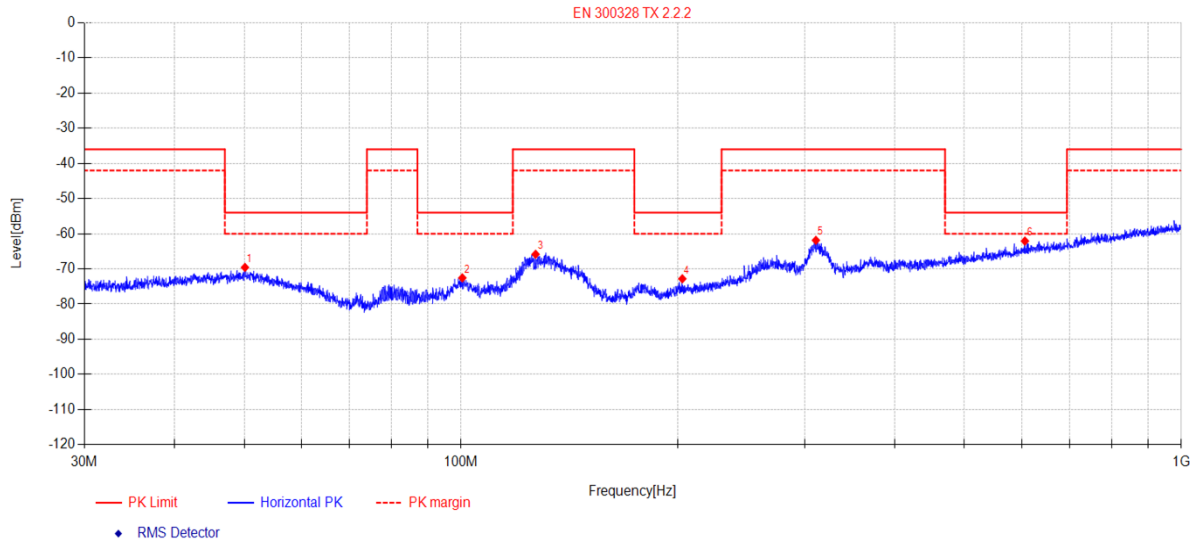
6 Appendix B.6 : Transmitter uwanted emissions

Note: The EUT without antenna connectors.

Bluetooth Low Energy, 1Mbps

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2402 (LianGang)		

Test Graph

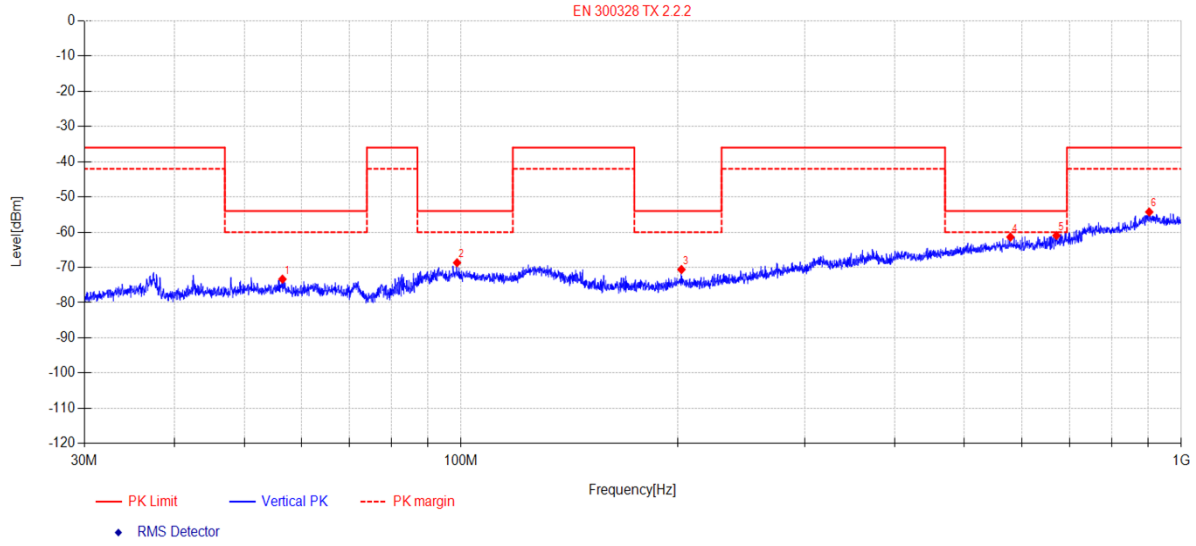


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	50.12	8.43	-78.01	-69.58	-54.00	15.58	PK	Horizontal	ERP
2	100.42	11.30	-83.85	-72.55	-54.00	18.55	PK	Horizontal	ERP
3	126.91	19.62	-85.47	-65.85	-36.00	29.85	PK	Horizontal	ERP
4	202.88	10.09	-82.89	-72.80	-54.00	18.80	PK	Horizontal	ERP
5	310.94	16.54	-78.41	-61.87	-36.00	25.87	PK	Horizontal	ERP
6	606.57	9.38	-71.47	-62.09	-54.00	8.09	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2402 (LianGang)		

Test Graph

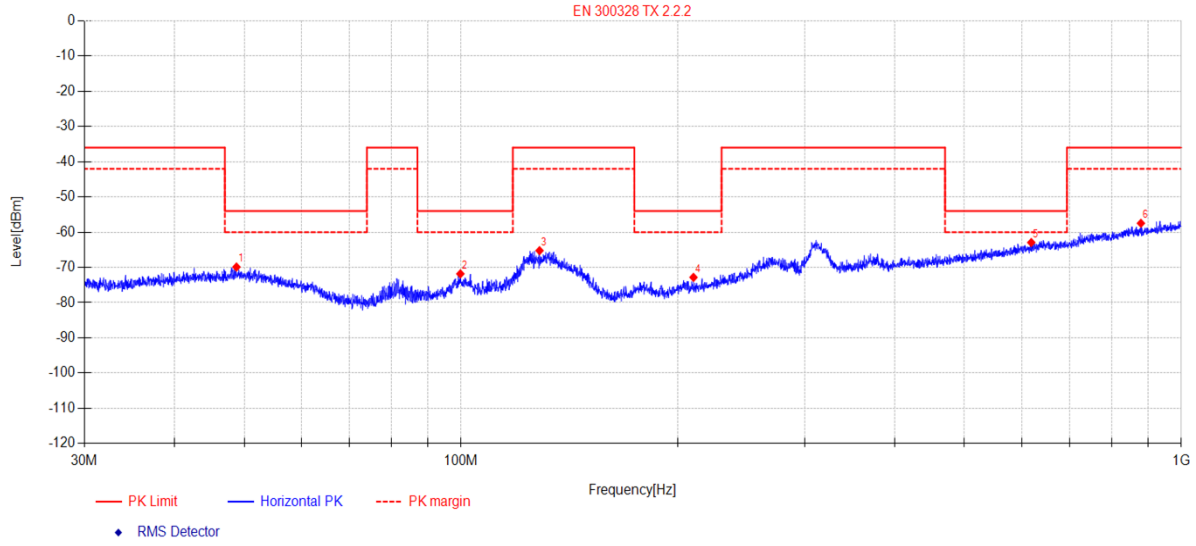


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	56.51	10.06	-83.40	-73.34	-54.00	19.34	PK	Vertical	ERP
2	98.74	10.35	-79.02	-68.67	-54.00	14.67	PK	Vertical	ERP
3	202.31	10.77	-81.38	-70.61	-54.00	16.61	PK	Vertical	ERP
4	579.14	8.55	-69.95	-61.40	-54.00	7.40	PK	Vertical	ERP
5	671.01	7.12	-68.09	-60.97	-54.00	6.97	PK	Vertical	ERP
6	902.69	8.70	-62.97	-54.27	-36.00	18.27	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2440 (LianGang)		

Test Graph



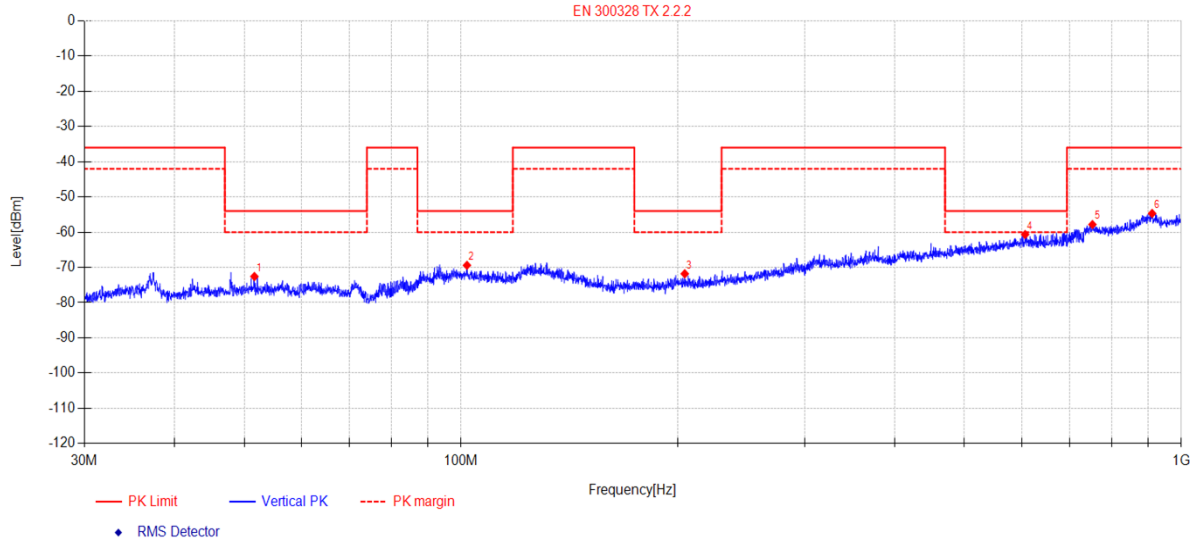
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	48.77	8.25	-78.14	-69.89	-54.00	15.89	PK	Horizontal	ERP
2	99.78	12.02	-83.84	-71.82	-54.00	17.82	PK	Horizontal	ERP
3	128.53	20.32	-85.56	-65.24	-36.00	29.24	PK	Horizontal	ERP
4	210.26	9.45	-82.28	-72.83	-54.00	18.83	PK	Horizontal	ERP
5	619.03	8.35	-71.28	-62.93	-54.00	8.93	PK	Horizontal	ERP
6	878.96	9.41	-66.89	-57.48	-36.00	21.48	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2440 (LianGang)		

Test Graph

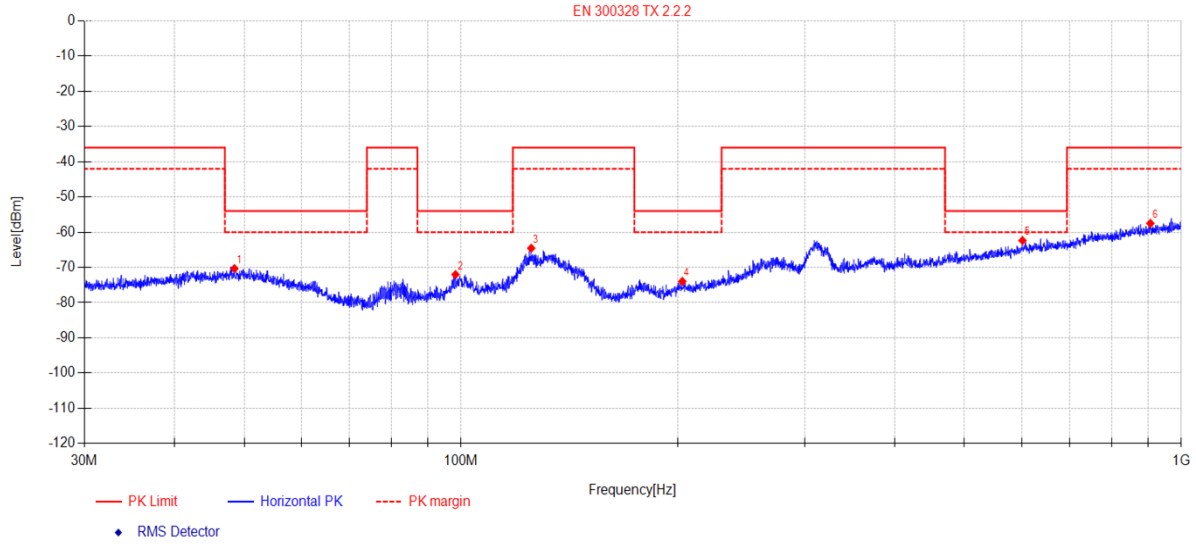


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	51.66	10.36	-82.94	-72.58	-54.00	18.58	PK	Vertical	ERP
2	101.90	9.57	-78.98	-69.41	-54.00	15.41	PK	Vertical	ERP
3	204.45	9.48	-81.29	-71.81	-54.00	17.81	PK	Vertical	ERP
4	607.00	8.62	-69.29	-60.67	-54.00	6.67	PK	Vertical	ERP
5	752.79	8.39	-66.21	-57.82	-36.00	21.82	PK	Vertical	ERP
6	910.96	8.51	-63.20	-54.69	-36.00	18.69	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2480 (LianGang)		

Test Graph



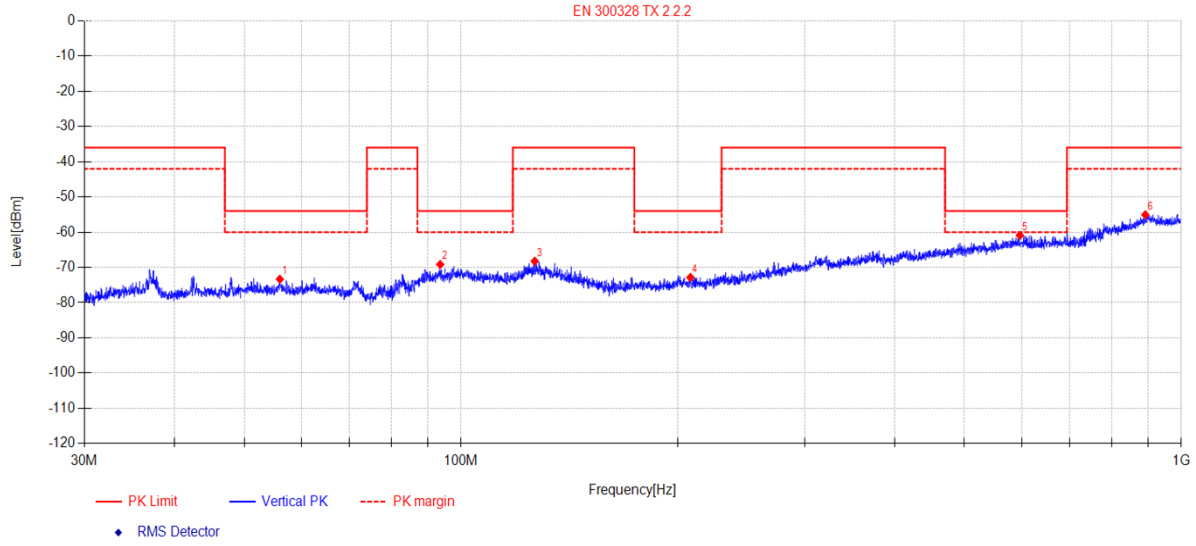
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	48.46	7.85	-78.18	-70.33	-54.00	16.33	PK	Horizontal	ERP
2	98.26	11.99	-84.02	-72.03	-54.00	18.03	PK	Horizontal	ERP
3	125.15	20.79	-85.35	-64.56	-36.00	28.56	PK	Horizontal	ERP
4	202.88	8.92	-82.89	-73.97	-54.00	19.97	PK	Horizontal	ERP
5	601.91	9.16	-71.54	-62.38	-54.00	8.38	PK	Horizontal	ERP
6	905.86	9.07	-66.57	-57.50	-36.00	21.50	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2480 (LianGang)		

Test Graph



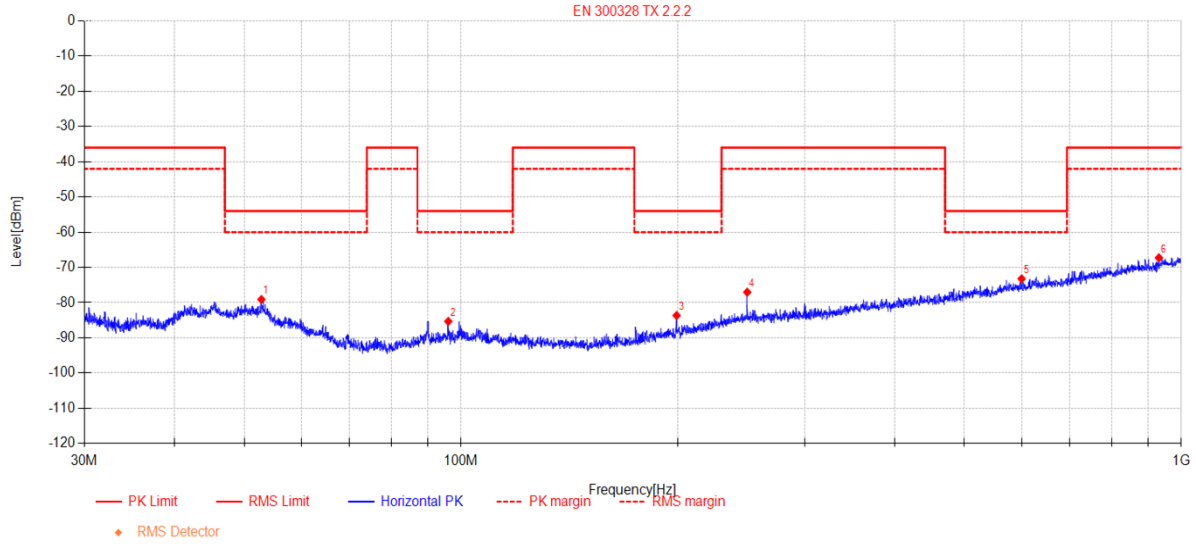
Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	56.03	10.00	-83.35	-73.35	-54.00	19.35	PK	Vertical	ERP
2	93.55	10.55	-79.70	-69.15	-54.00	15.15	PK	Vertical	ERP
3	126.56	12.42	-80.66	-68.24	-36.00	32.24	PK	Vertical	ERP
4	208.21	8.29	-81.14	-72.85	-54.00	18.85	PK	Vertical	ERP
5	596.87	8.61	-69.52	-60.91	-54.00	6.91	PK	Vertical	ERP
6	891.37	8.32	-63.37	-55.05	-36.00	19.05	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber

Memo: BLE 2402 (HUAKESHENG)

Test Graph

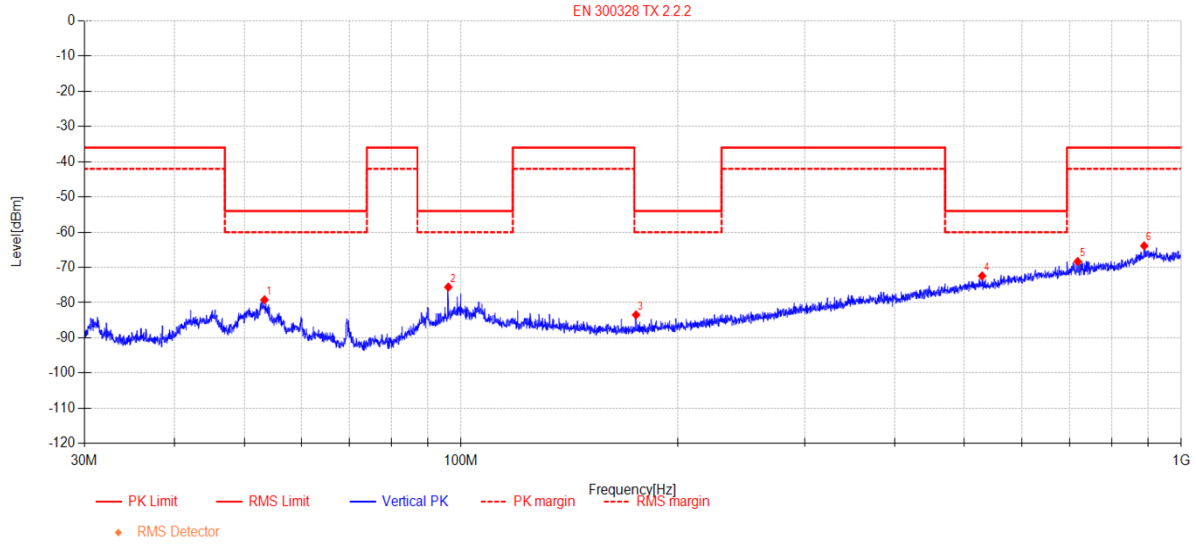


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	52.83	30.54	-109.64	-79.10	-54.00	25.10	PK	Horizontal	ERP
2	96.01	29.78	-115.10	-85.32	-54.00	31.32	PK	Horizontal	ERP
3	199.21	30.15	-113.79	-83.64	-54.00	29.64	PK	Horizontal	ERP
4	249.67	32.42	-109.45	-77.03	-36.00	41.03	PK	Horizontal	ERP
5	600.22	28.24	-101.47	-73.23	-54.00	19.23	PK	Horizontal	ERP
6	930.98	27.67	-94.93	-67.26	-36.00	31.26	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2402 (HUAKESHENG)		

Test Graph

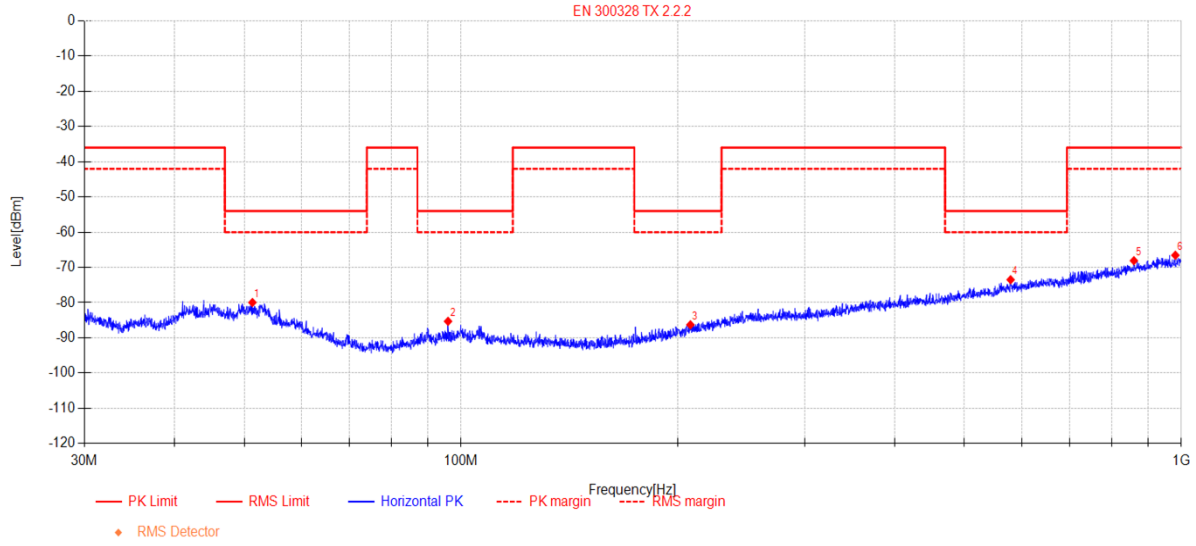


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	53.35	34.58	-113.77	-79.19	-54.00	25.19	PK	Vertical	ERP
2	96.01	34.60	-110.20	-75.60	-54.00	21.60	PK	Vertical	ERP
3	174.98	29.08	-112.55	-83.47	-54.00	29.47	PK	Vertical	ERP
4	529.05	28.49	-100.91	-72.42	-54.00	18.42	PK	Vertical	ERP
5	718.24	28.76	-97.10	-68.34	-36.00	32.34	PK	Vertical	ERP
6	888.25	28.78	-92.65	-63.87	-36.00	27.87	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2480 (HUAKESHENG)		

Test Graph

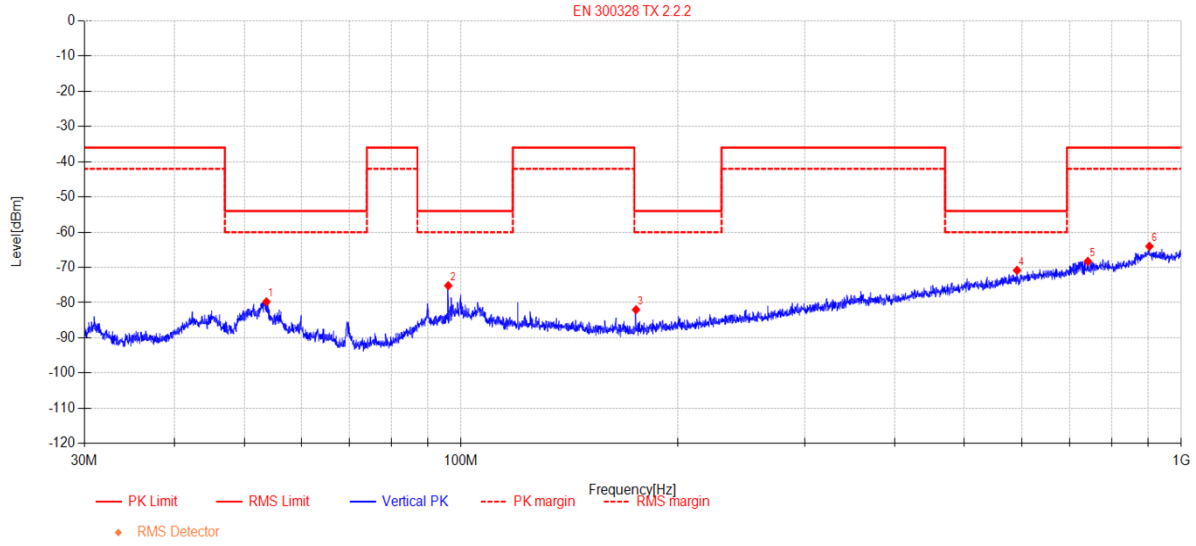


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	51.33	29.18	-109.13	-79.95	-54.00	25.95	PK	Horizontal	ERP
2	95.94	29.81	-115.11	-85.30	-54.00	31.30	PK	Horizontal	ERP
3	208.21	26.75	-113.03	-86.28	-54.00	32.28	PK	Horizontal	ERP
4	579.55	28.45	-101.95	-73.50	-54.00	19.50	PK	Horizontal	ERP
5	859.46	28.37	-96.46	-68.09	-36.00	32.09	PK	Horizontal	ERP
6	981.25	27.43	-93.98	-66.55	-36.00	30.55	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2480 (HUAKESHENG)		

Test Graph

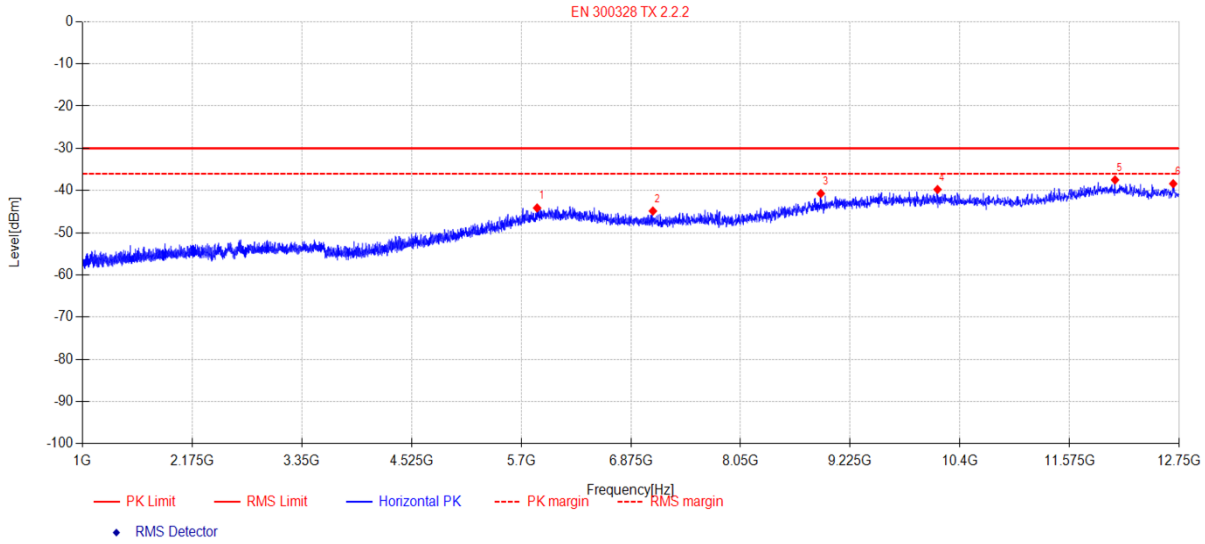


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	53.69	34.05	-113.81	-79.76	-54.00	25.76	PK	Vertical	ERP
2	96.01	35.01	-110.20	-75.19	-54.00	21.19	PK	Vertical	ERP
3	174.98	30.55	-112.55	-82.00	-54.00	28.00	PK	Vertical	ERP
4	591.45	28.71	-99.55	-70.84	-54.00	16.84	PK	Vertical	ERP
5	741.78	28.09	-96.36	-68.27	-36.00	32.27	PK	Vertical	ERP
6	903.33	27.94	-91.96	-64.02	-36.00	28.02	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2402		

Test Graph

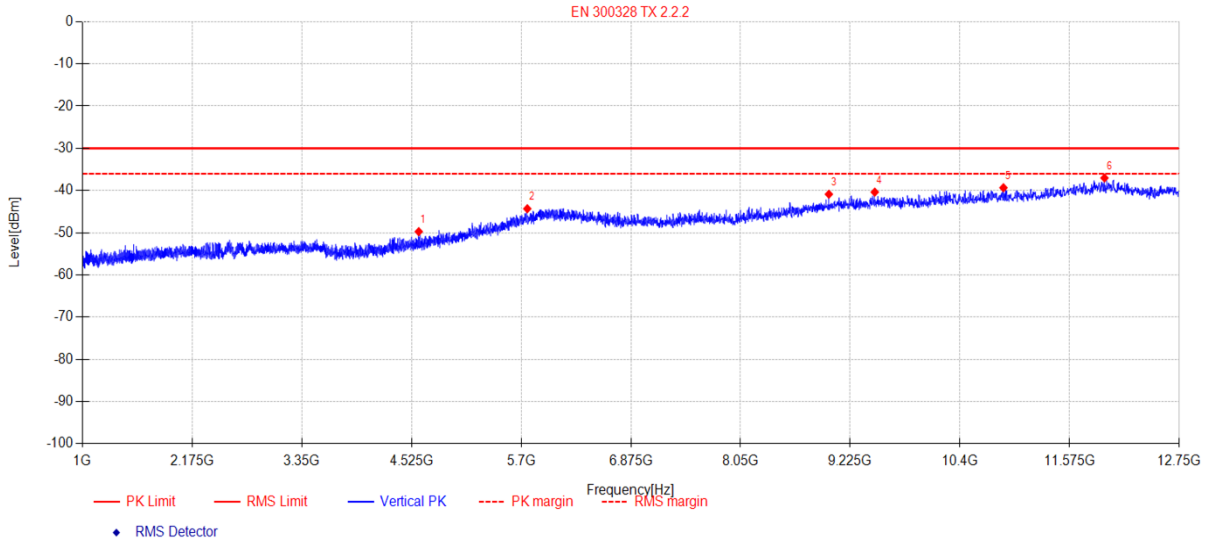


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	5870.77	48.43	-92.56	-44.13	-30.00	14.13	PK	Horizontal	EIRP
2	7111.01	48.85	-93.71	-44.86	-30.00	14.86	PK	Horizontal	EIRP
3	8909.84	48.30	-89.02	-40.72	-30.00	10.72	PK	Horizontal	EIRP
4	10160.35	48.20	-87.95	-39.75	-30.00	9.75	PK	Horizontal	EIRP
5	12061.81	47.93	-85.41	-37.48	-30.00	7.48	PK	Horizontal	EIRP
6	12685.26	48.07	-86.46	-38.39	-30.00	8.39	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2402		

Test Graph



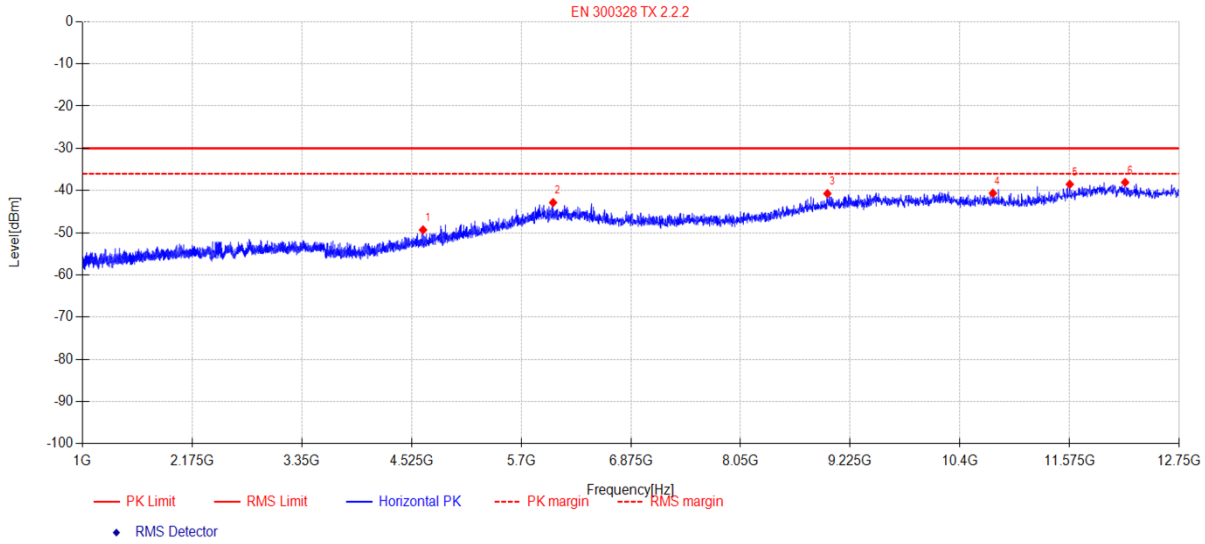
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	4602.76	49.70	-99.44	-49.74	-30.00	19.74	PK	Vertical	EIRP
2	5765.63	48.93	-93.24	-44.31	-30.00	14.31	PK	Vertical	EIRP
3	8996.43	48.10	-88.98	-40.88	-30.00	10.88	PK	Vertical	EIRP
4	9487.97	48.31	-88.69	-40.38	-30.00	10.38	PK	Vertical	EIRP
5	10866.54	47.75	-87.09	-39.34	-30.00	9.34	PK	Vertical	EIRP
6	11948.75	47.86	-84.88	-37.02	-30.00	7.02	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2440		

Test Graph

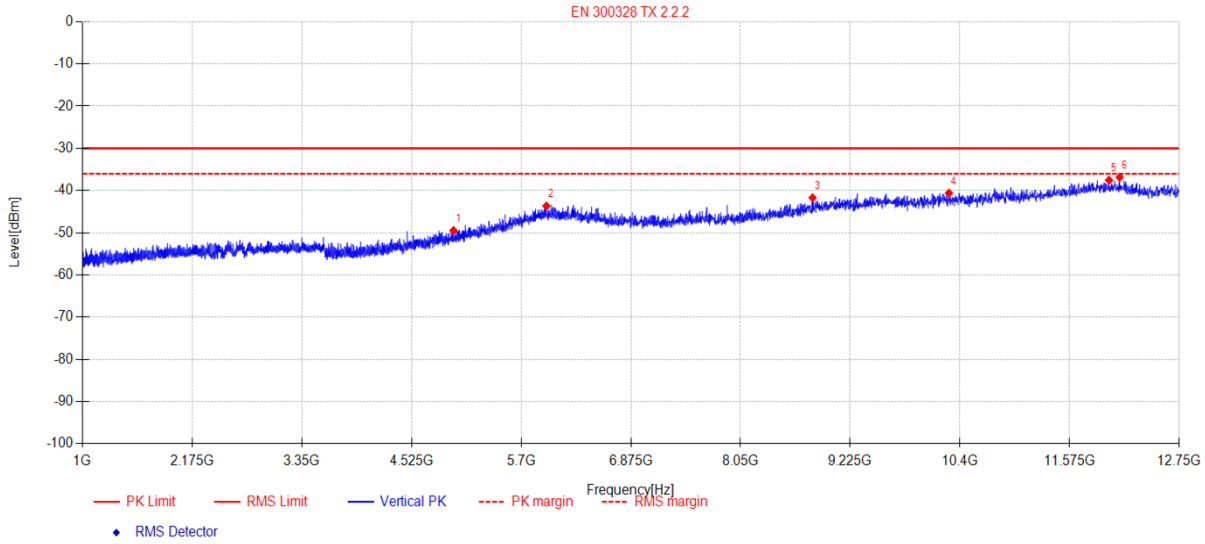


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	4648.68	49.60	-98.93	-49.33	-30.00	19.33	PK	Horizontal	EIRP
2	6042.07	49.07	-91.92	-42.85	-30.00	12.85	PK	Horizontal	EIRP
3	8980.42	47.98	-88.71	-40.73	-30.00	10.73	PK	Horizontal	EIRP
4	10753.73	47.52	-88.16	-40.64	-30.00	10.64	PK	Horizontal	EIRP
5	11577.52	48.03	-86.56	-38.53	-30.00	8.53	PK	Horizontal	EIRP
6	12169.74	47.51	-85.59	-38.08	-30.00	8.08	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2440		

Test Graph



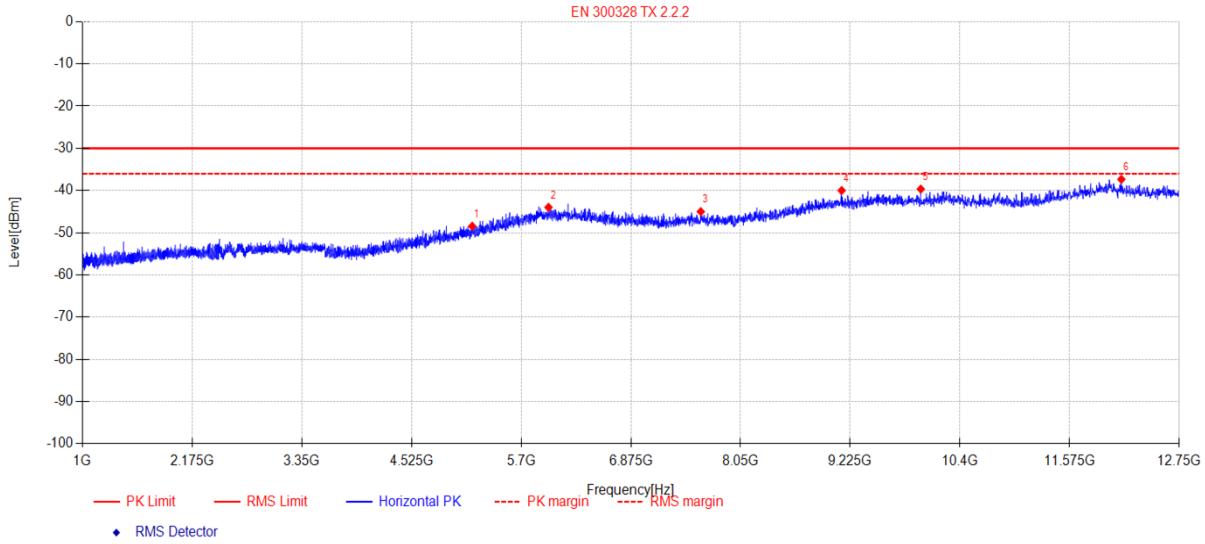
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	4975.58	48.54	-98.02	-49.48	-30.00	19.48	PK	Vertical	EIRP
2	5970.22	48.32	-91.99	-43.67	-30.00	13.67	PK	Vertical	EIRP
3	8821.83	47.91	-89.63	-41.72	-30.00	11.72	PK	Vertical	EIRP
4	10282.62	47.36	-87.97	-40.61	-30.00	10.61	PK	Vertical	EIRP
5	11997.51	47.21	-84.77	-37.56	-30.00	7.56	PK	Vertical	EIRP
6	12111.03	48.13	-84.99	-36.86	-30.00	6.86	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2480		

Test Graph

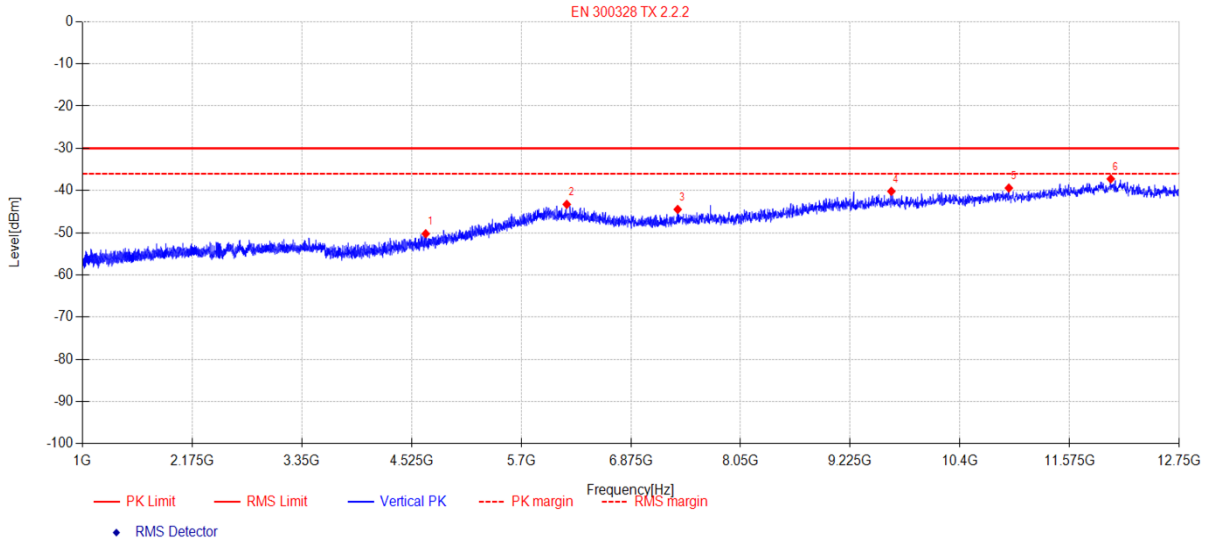


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	5175.80	47.97	-96.44	-48.47	-30.00	18.47	PK	Horizontal	EIRP
2	5993.06	47.89	-91.88	-43.99	-30.00	13.99	PK	Horizontal	EIRP
3	7624.64	48.32	-93.32	-45.00	-30.00	15.00	PK	Horizontal	EIRP
4	9132.55	48.53	-88.53	-40.00	-30.00	10.00	PK	Horizontal	EIRP
5	9980.92	48.24	-87.90	-39.66	-30.00	9.66	PK	Horizontal	EIRP
6	12129.54	48.18	-85.53	-37.35	-30.00	7.35	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2480		

Test Graph



Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	4677.17	48.91	-99.15	-50.24	-30.00	20.24	PK	Vertical	EIRP
2	6188.38	48.94	-92.22	-43.28	-30.00	13.28	PK	Vertical	EIRP
3	7376.48	48.97	-93.45	-44.48	-30.00	14.48	PK	Vertical	EIRP
4	9665.91	48.39	-88.58	-40.19	-30.00	10.19	PK	Vertical	EIRP
5	10924.77	47.60	-87.01	-39.41	-30.00	9.41	PK	Vertical	EIRP
6	12015.85	47.56	-84.81	-37.25	-30.00	7.25	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

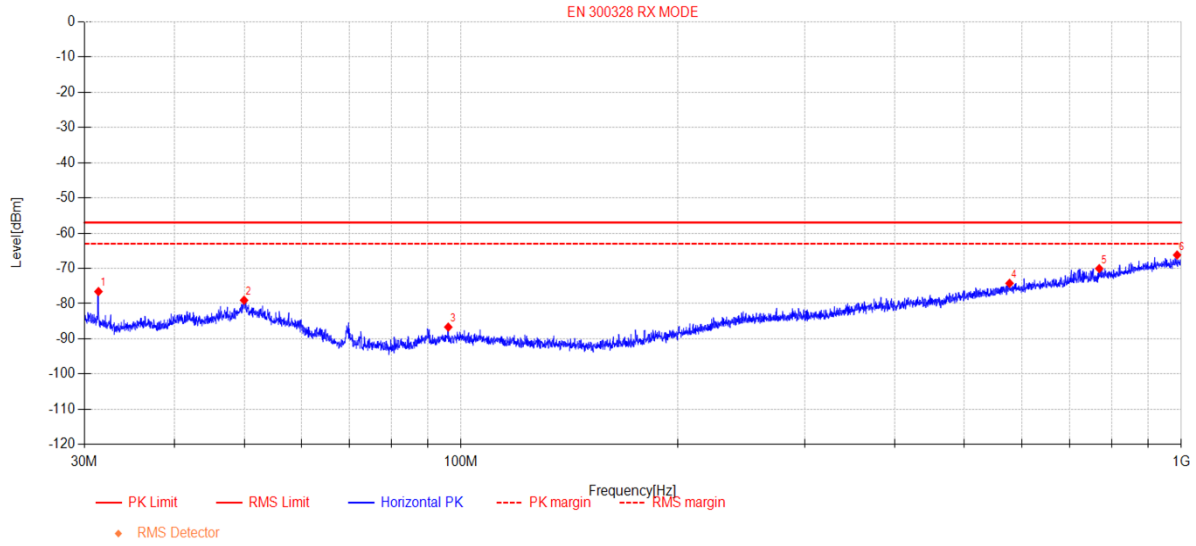
7 Appendix B.7 : Receiver spurious emissions

Note: The EUT without antenna connectors.

Bluetooth Low Energy, 1Mbps

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2402 (HUAKESHENG)		

Test Graph

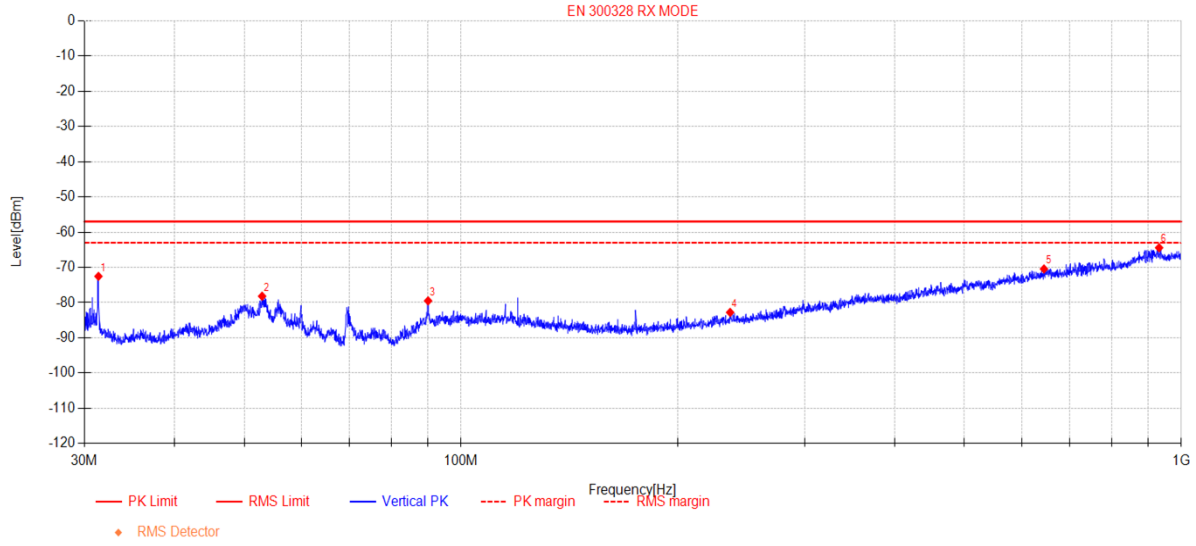


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	31.38	35.53	-112.10	-76.57	-57.00	19.31	PK	Horizontal	ERP
2	49.98	29.63	-108.67	-79.04	-57.00	22.04	PK	Horizontal	ERP
3	96.01	28.44	-115.10	-86.66	-57.00	29.66	PK	Horizontal	ERP
4	577.52	27.78	-102.00	-74.22	-57.00	17.22	PK	Horizontal	ERP
5	769.33	28.31	-98.36	-70.05	-57.00	13.05	PK	Horizontal	ERP
6	986.77	27.68	-93.88	-66.20	-57.00	9.20	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2402 (HUAKESHENG)		

Test Graph

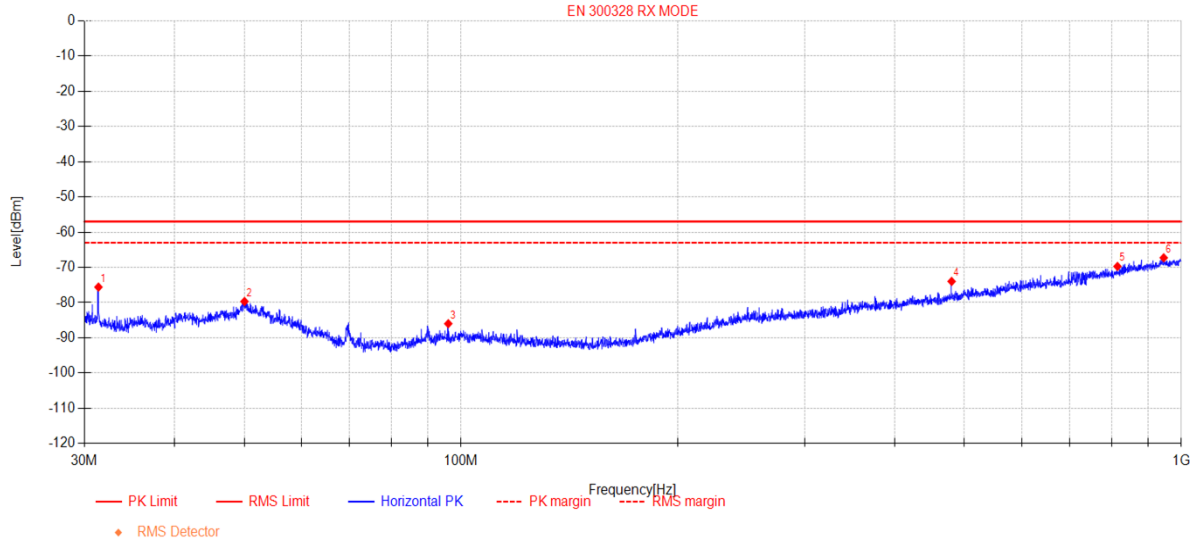


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	31.38	43.24	-115.78	-72.54	-57.00	15.54	PK	Vertical	ERP
2	52.94	35.56	-113.73	-78.17	-57.00	21.17	PK	Vertical	ERP
3	90.01	31.38	-110.87	-79.49	-57.00	22.49	PK	Vertical	ERP
4	236.38	27.70	-110.47	-82.77	-57.00	25.77	PK	Vertical	ERP
5	644.72	27.91	-98.34	-70.43	-57.00	13.43	PK	Vertical	ERP
6	931.63	28.09	-92.50	-64.41	-57.00	7.41	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2480 (HUAKESHENG)		

Test Graph

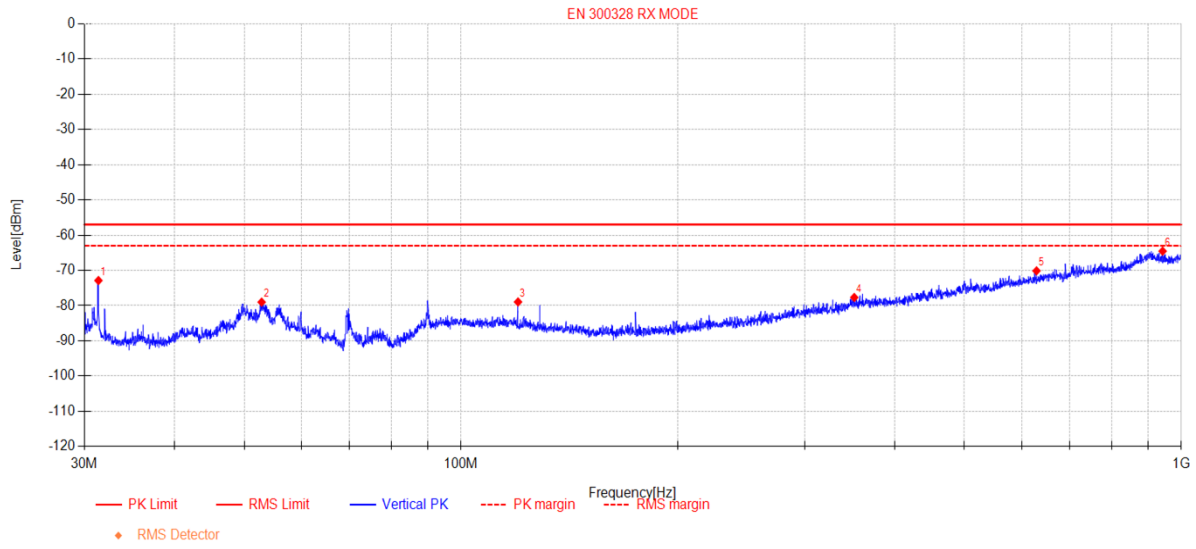


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	31.38	36.51	-112.10	-75.59	-57.00	18.59	PK	Horizontal	ERP
2	50.05	29.01	-108.69	-79.68	-57.00	22.68	PK	Horizontal	ERP
3	96.01	29.13	-115.10	-85.97	-57.00	28.97	PK	Horizontal	ERP
4	479.92	30.36	-104.33	-73.97	-57.00	16.97	PK	Horizontal	ERP
5	815.43	28.00	-97.71	-69.71	-57.00	12.71	PK	Horizontal	ERP
6	945.45	27.32	-94.59	-67.27	-57.00	10.27	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-08-24	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2480 (HUAKESHENG)		

Test Graph

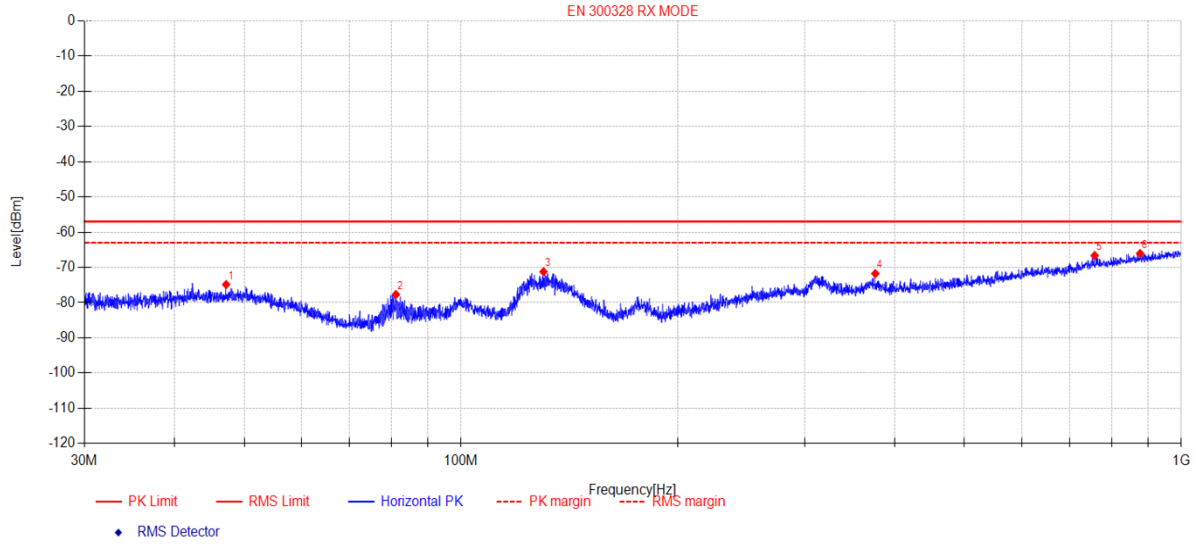


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	31.38	42.91	-115.78	-72.87	-57.00	15.87	PK	Vertical	ERP
2	52.87	34.73	-113.73	-79.00	-57.00	22.00	PK	Vertical	ERP
3	119.99	32.10	-111.05	-78.95	-57.00	21.95	PK	Vertical	ERP
4	351.53	27.27	-104.95	-77.68	-57.00	20.68	PK	Vertical	ERP
5	629.54	28.56	-98.68	-70.12	-57.00	13.12	PK	Vertical	ERP
6	942.14	28.15	-92.69	-64.54	-57.00	7.54	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2402 (LianGang)		

Test Graph

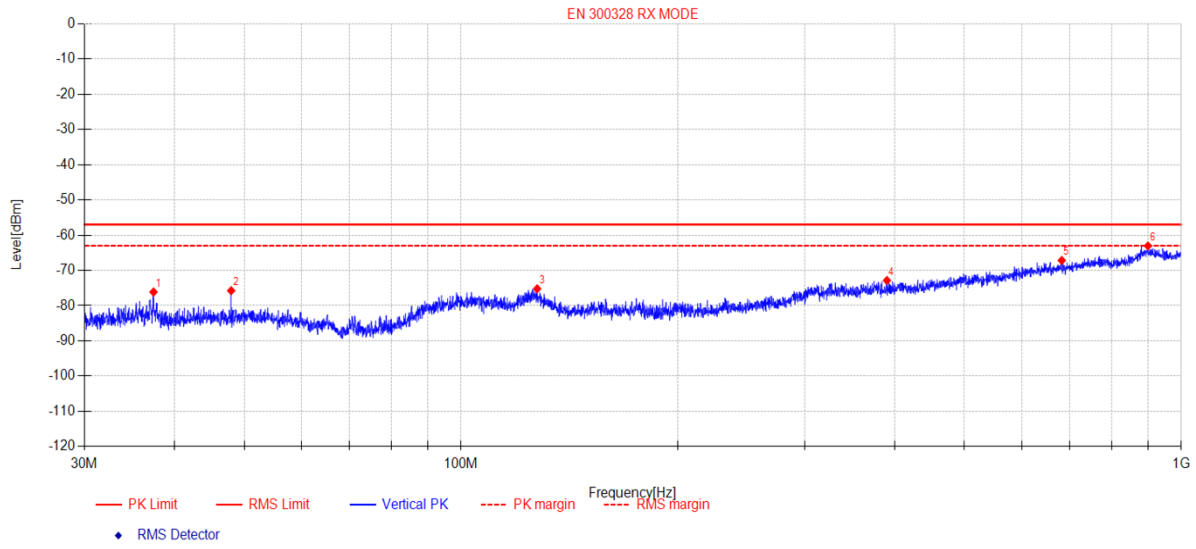


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	47.19	3.49	-78.35	-74.86	-57.00	17.86	PK	Horizontal	ERP
2	81.20	9.25	-86.95	-77.70	-57.00	20.70	PK	Horizontal	ERP
3	130.16	14.45	-85.66	-71.21	-57.00	14.21	PK	Horizontal	ERP
4	376.01	4.51	-76.27	-71.76	-57.00	14.76	PK	Horizontal	ERP
5	758.08	1.88	-68.51	-66.63	-57.00	9.63	PK	Horizontal	ERP
6	876.50	0.84	-66.90	-66.06	-57.00	9.06	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2402 (LianGang)		

Test Graph



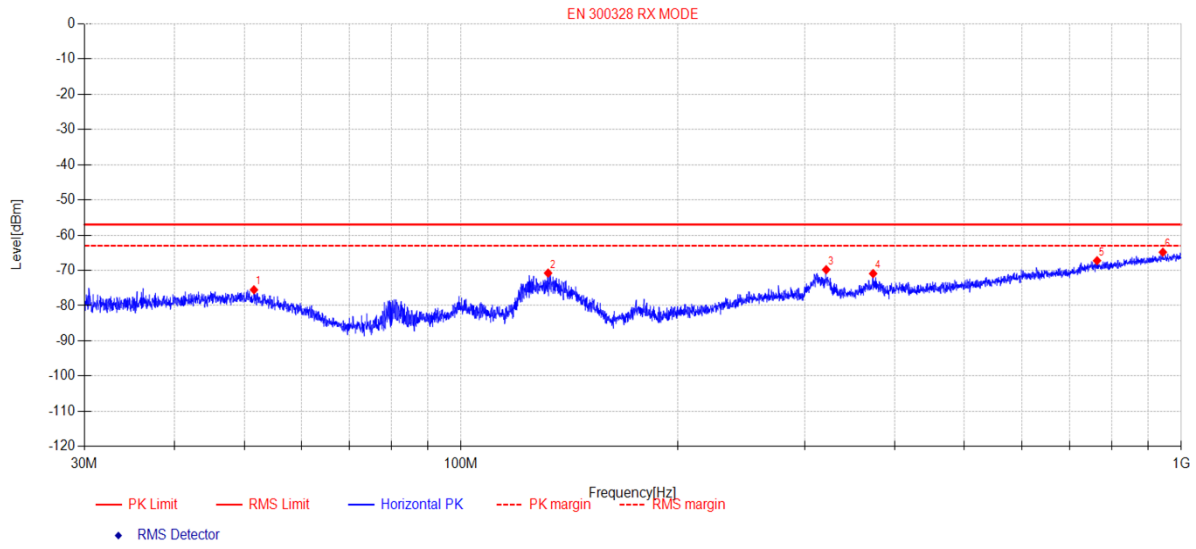
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	37.41	7.92	-84.05	-76.13	-57.00	19.13	PK	Vertical	ERP
2	47.96	7.22	-82.97	-75.75	-57.00	18.75	PK	Vertical	ERP
3	127.54	5.51	-80.73	-75.22	-57.00	18.22	PK	Vertical	ERP
4	390.25	1.47	-74.33	-72.86	-57.00	15.86	PK	Vertical	ERP
5	682.40	0.80	-67.97	-67.17	-57.00	10.17	PK	Vertical	ERP
6	898.90	-0.10	-62.95	-63.05	-57.00	6.05	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2440 (LianGang)		

Test Graph

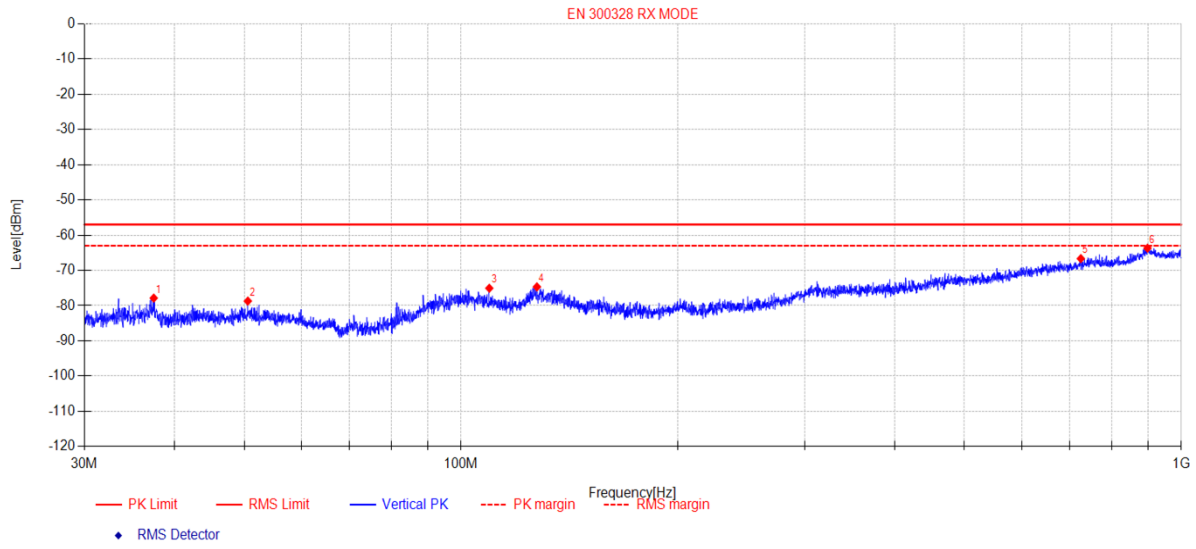


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	51.58	3.02	-78.53	-75.51	-57.00	18.51	PK	Horizontal	ERP
2	132.09	15.02	-85.78	-70.76	-57.00	13.76	PK	Horizontal	ERP
3	321.36	8.16	-77.96	-69.80	-57.00	12.80	PK	Horizontal	ERP
4	373.38	5.41	-76.32	-70.91	-57.00	13.91	PK	Horizontal	ERP
5	763.95	1.25	-68.49	-67.24	-57.00	10.24	PK	Horizontal	ERP
6	942.80	1.21	-66.04	-64.83	-57.00	7.83	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2440 (LianGang)		

Test Graph

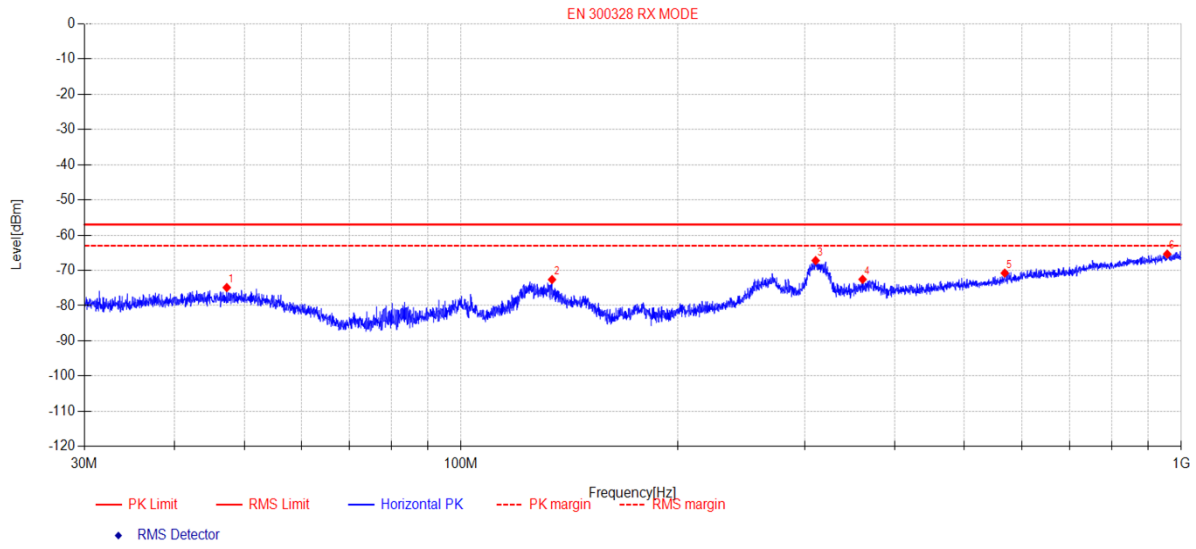


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	37.44	6.19	-84.04	-77.85	-57.00	20.85	PK	Vertical	ERP
2	50.58	4.13	-82.83	-78.70	-57.00	21.70	PK	Vertical	ERP
3	109.46	4.44	-79.49	-75.05	-57.00	18.05	PK	Vertical	ERP
4	127.45	6.04	-80.72	-74.68	-57.00	17.68	PK	Vertical	ERP
5	725.32	0.33	-66.98	-66.65	-57.00	9.65	PK	Vertical	ERP
6	897.65	-0.67	-63.02	-63.69	-57.00	6.69	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2480 (LianGang)		

Test Graph

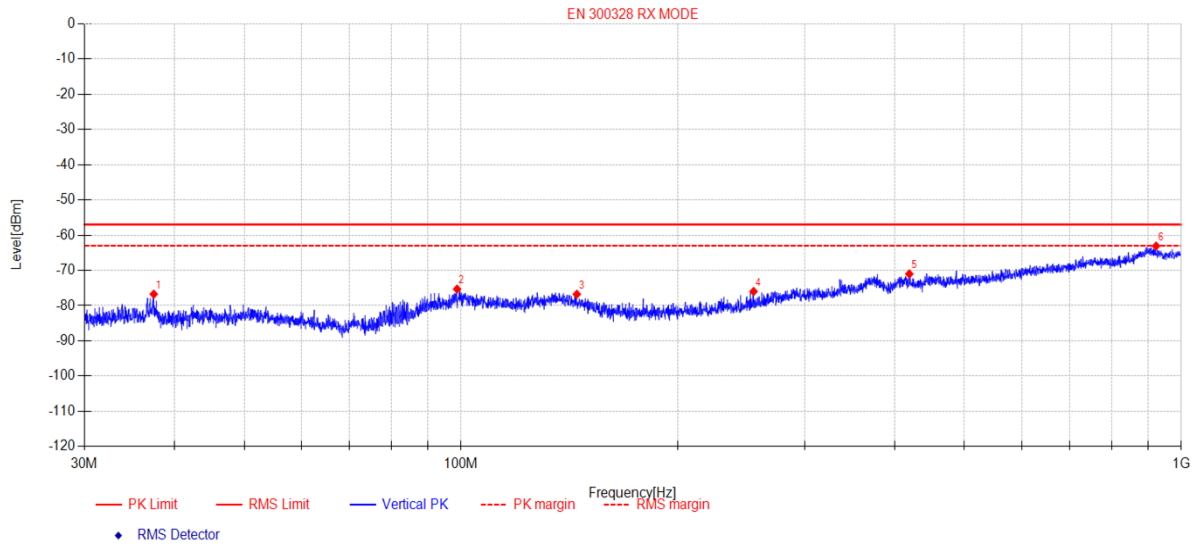


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	47.29	3.48	-78.34	-74.86	-57.00	17.86	PK	Horizontal	ERP
2	133.77	13.27	-85.88	-72.61	-57.00	15.61	PK	Horizontal	ERP
3	310.72	11.21	-78.42	-67.21	-57.00	10.21	PK	Horizontal	ERP
4	361.03	3.99	-76.54	-72.55	-57.00	15.55	PK	Horizontal	ERP
5	568.68	1.54	-72.31	-70.77	-57.00	13.77	PK	Horizontal	ERP
6	956.12	0.52	-65.89	-65.37	-57.00	8.37	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2480 (LianGang)		

Test Graph



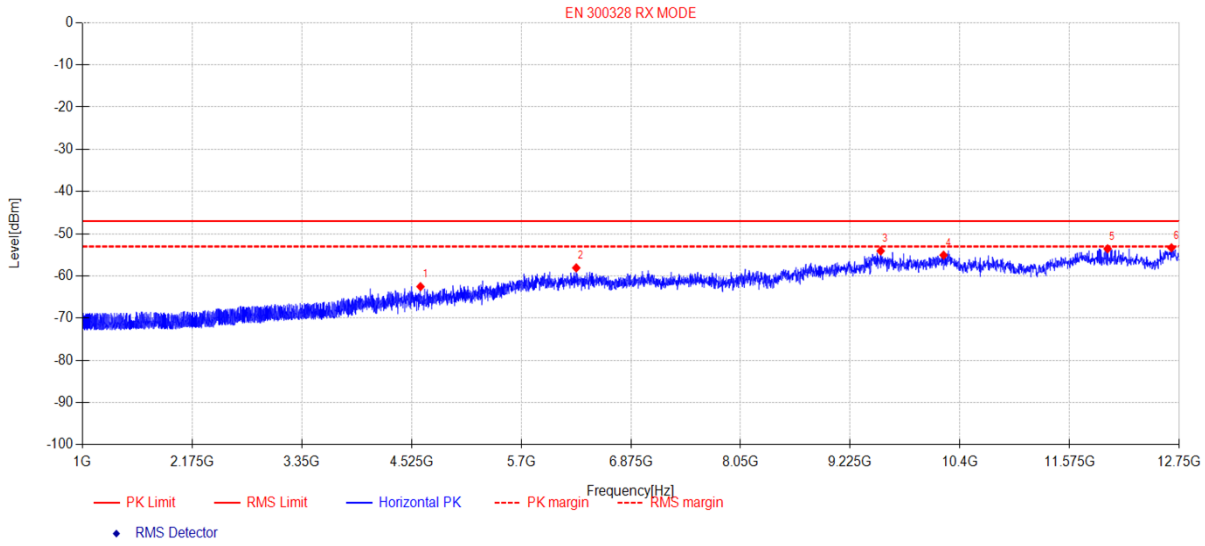
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	37.44	7.30	-84.04	-76.74	-57.00	19.74	PK	Vertical	ERP
2	98.74	3.72	-79.02	-75.30	-57.00	18.30	PK	Vertical	ERP
3	144.80	5.15	-81.91	-76.76	-57.00	19.76	PK	Vertical	ERP
4	254.80	3.23	-79.21	-75.98	-57.00	18.98	PK	Vertical	ERP
5	419.18	2.80	-73.80	-71.00	-57.00	14.00	PK	Vertical	ERP
6	922.53	0.43	-63.52	-63.09	-57.00	6.09	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2402		

Test Graph

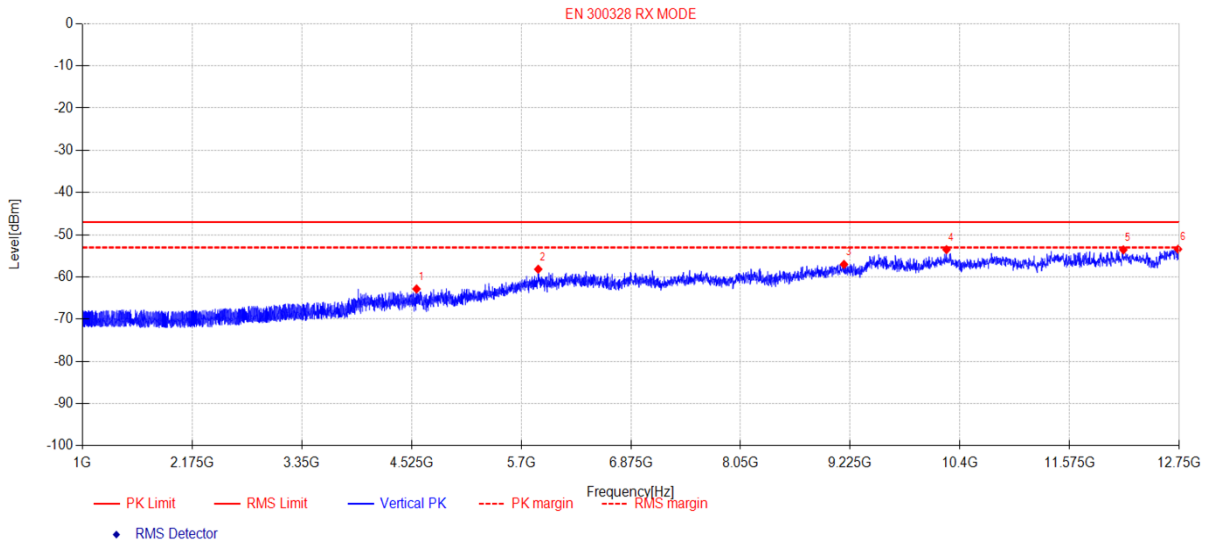


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	4621.55	38.29	-100.82	-62.53	-47.00	15.53	PK	Horizontal	EIRP
2	6290.01	36.94	-95.03	-58.09	-47.00	11.09	PK	Horizontal	EIRP
3	9550.97	35.06	-89.14	-54.08	-47.00	7.08	PK	Horizontal	EIRP
4	10225.21	33.56	-88.64	-55.08	-47.00	8.08	PK	Horizontal	EIRP
5	11982.25	32.87	-86.44	-53.57	-47.00	6.57	PK	Horizontal	EIRP
6	12665.90	34.04	-87.37	-53.33	-47.00	6.33	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2402		

Test Graph

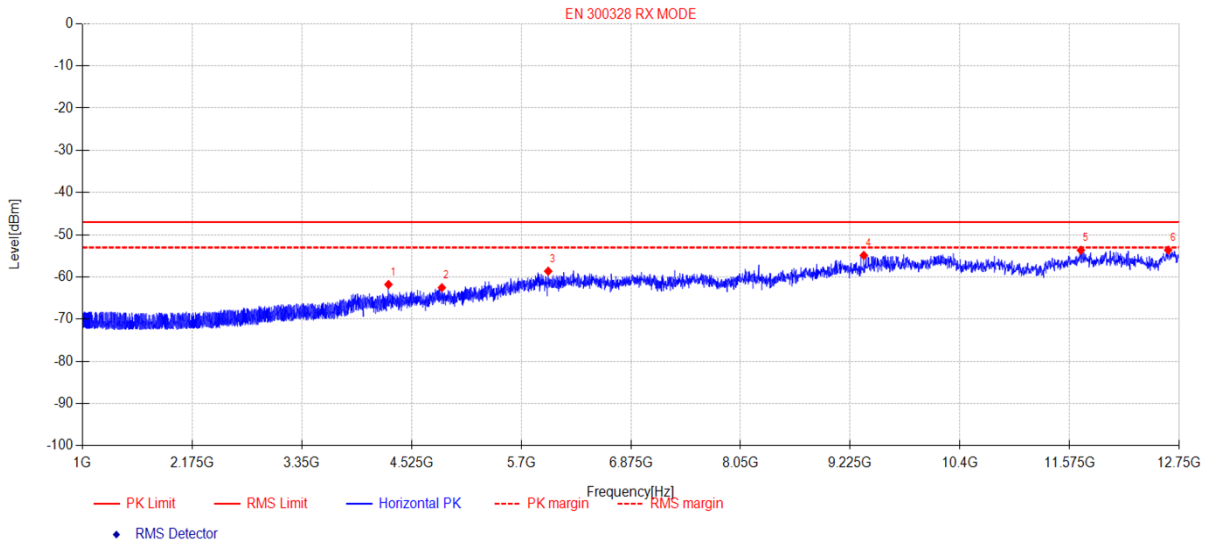


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	4579.39	38.39	-101.24	-62.85	-47.00	15.85	PK	Vertical	EIRP
2	5882.73	37.53	-95.70	-58.17	-47.00	11.17	PK	Vertical	EIRP
3	9158.16	33.00	-90.03	-57.03	-47.00	10.03	PK	Vertical	EIRP
4	10256.48	35.14	-88.67	-53.53	-47.00	6.53	PK	Vertical	EIRP
5	12151.17	32.54	-86.12	-53.58	-47.00	6.58	PK	Vertical	EIRP
6	12737.03	33.77	-87.19	-53.42	-47.00	6.42	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2440		

Test Graph

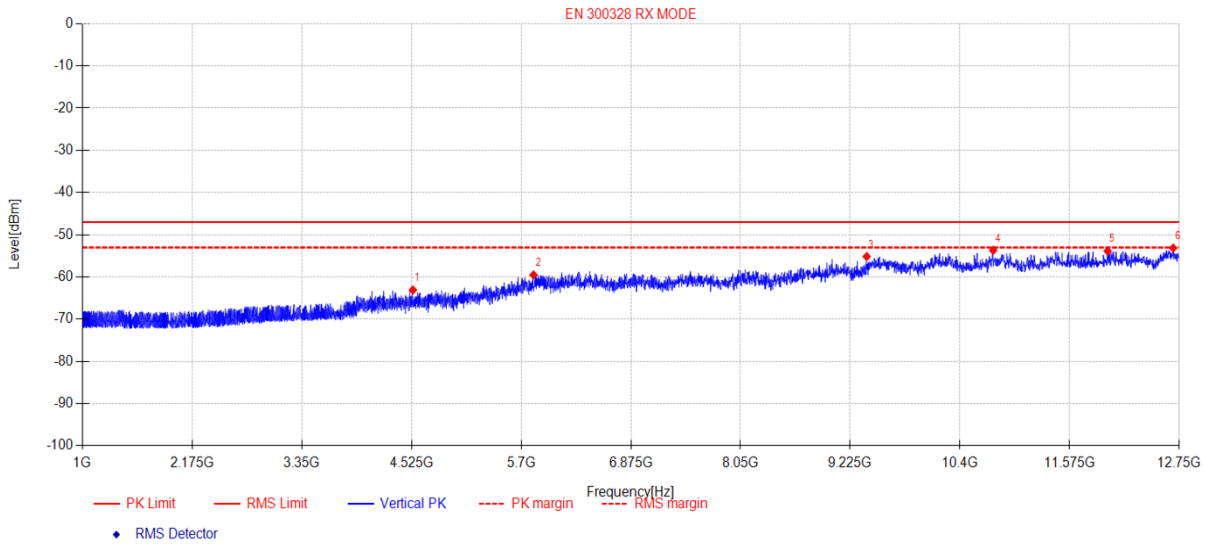


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	4278.52	39.97	-101.76	-61.79	-47.00	14.79	PK	Horizontal	EIRP
2	4850.54	37.65	-100.18	-62.53	-47.00	15.53	PK	Horizontal	EIRP
3	5990.01	36.52	-95.16	-58.64	-47.00	11.64	PK	Horizontal	EIRP
4	9370.37	34.49	-89.38	-54.89	-47.00	7.89	PK	Horizontal	EIRP
5	11695.99	33.50	-87.17	-53.67	-47.00	6.67	PK	Horizontal	EIRP
6	12630.49	33.66	-87.31	-53.65	-47.00	6.65	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2440		

Test Graph

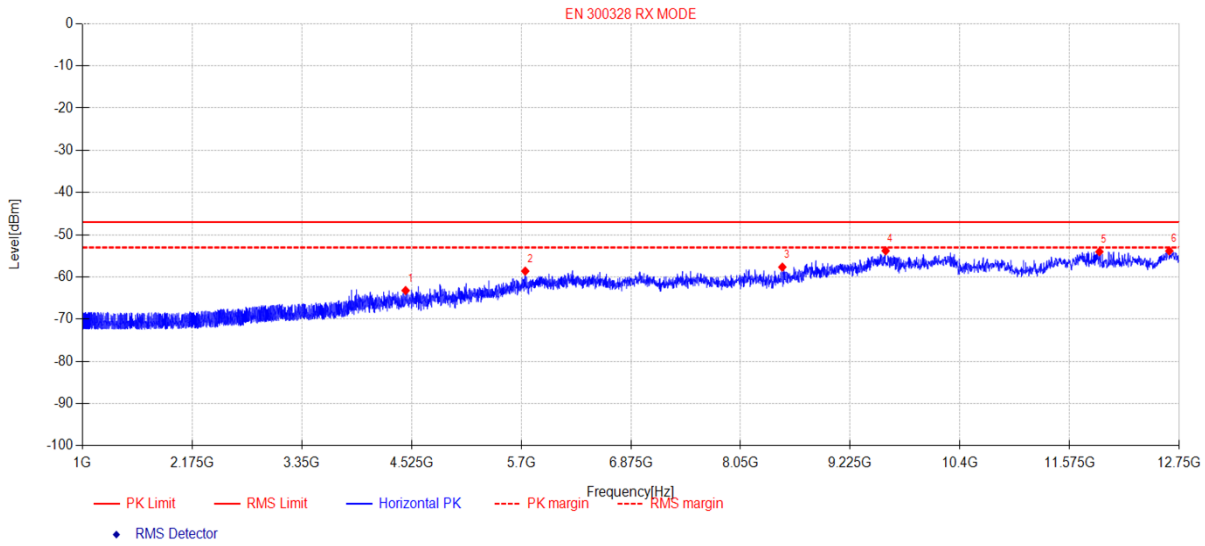


Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	4539.93	38.23	-101.33	-63.10	-47.00	16.10	PK	Vertical	EIRP
2	5832.05	36.44	-95.96	-59.52	-47.00	12.52	PK	Vertical	EIRP
3	9401.43	34.59	-89.74	-55.15	-47.00	8.15	PK	Vertical	EIRP
4	10756.46	34.25	-87.94	-53.69	-47.00	6.69	PK	Vertical	EIRP
5	11982.25	32.02	-85.88	-53.86	-47.00	6.86	PK	Vertical	EIRP
6	12685.26	33.94	-87.10	-53.16	-47.00	6.16	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2480		

Test Graph



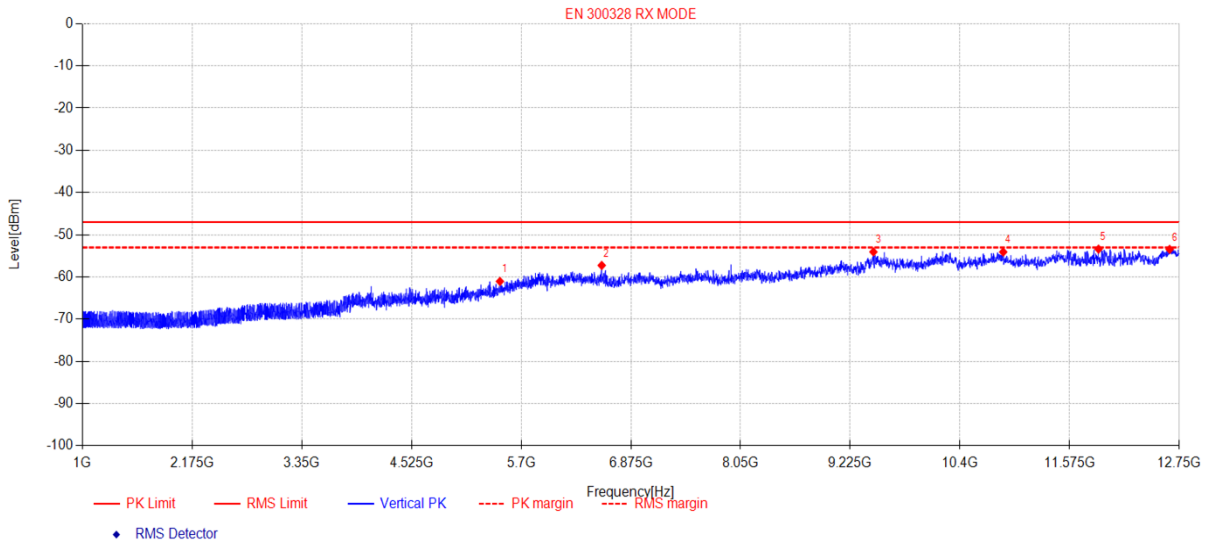
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	4462.03	38.03	-101.25	-63.22	-47.00	16.22	PK	Horizontal	EIRP
2	5743.66	37.69	-96.31	-58.62	-47.00	11.62	PK	Horizontal	EIRP
3	8497.86	34.28	-91.95	-57.67	-47.00	10.67	PK	Horizontal	EIRP
4	9604.60	35.25	-89.07	-53.82	-47.00	6.82	PK	Horizontal	EIRP
5	11894.13	32.63	-86.66	-54.03	-47.00	7.03	PK	Horizontal	EIRP
6	12643.36	33.48	-87.32	-53.84	-47.00	6.84	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2023-07-26	**Tested By**:	Bairong
EUT:	Multimedia Speaker	**Model Number**:	EDF286005
Test Mode:	RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:23.6°C;Humi:58.5%	**Test Site**:	DDT 3# Chamber
Memo:	BLE 2480		

Test Graph



Suspected Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	5472.50	36.77	-97.82	-61.05	-47.00	14.05	PK	Vertical	EIRP
2	6563.14	37.75	-95.02	-57.27	-47.00	10.27	PK	Vertical	EIRP
3	9473.49	35.60	-89.67	-54.07	-47.00	7.07	PK	Vertical	EIRP
4	10863.77	33.69	-87.77	-54.08	-47.00	7.08	PK	Vertical	EIRP
5	11885.05	32.64	-86.05	-53.41	-47.00	6.41	PK	Vertical	EIRP
6	12646.57	33.56	-87.02	-53.46	-47.00	6.46	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.