



FCC PART 15E TEST REPORT FOR CERTIFICATION On Behalf of

BYD Auto Industry Company Limited

Central Computing Platform

Model Number: MTED01

FCC ID: SD4-MTED01

Applicant:	BYD Auto Industry Company Limited
Address:	No.3001, 3007, Hengping Road, Pingshan, Shenzhen, Guangdong, P.R.China
Prepared By:	EST Technology Co., Ltd. Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China
Tel: 86-769-83081888-808	

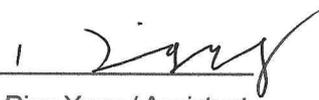
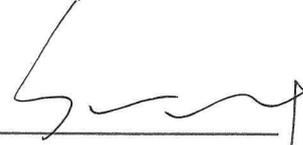
Report Number:	ESTE-R2512203
Date of Test:	Nov. 11, 2025~ Dec. 15, 2025
Date of Report:	Dec. 31, 2025

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Applicant:	BYD Auto Industry Company Limited		
Address:	No.3001, 3007, Hengping Road, Pingshan, Shenzhen, Guangdong, P.R.China		
Manufacturer:	BYD Auto Industry Company Limited		
Address:	No.3001, 3007, Hengping Road, Pingshan, Shenzhen, Guangdong, P.R.China		
E.U.T:	Central Computing Platform		
Model Number:	MTED01		
Power Supply:	DC 12V From Battery		
Trade Name:	BYD	Sample No.:	EST-250411014-002
Date of Receipt:	Nov. 11, 2025	Date of Test:	Nov. 11, 2025~ Dec. 15, 2025
Test Specification:	FCC Part 15 Subpart E 15.407 ANSI C63.10:2020 FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01		
Test Result:	<p>The device described above is tested by EST Technology Co., Ltd. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC Rules and Regulations Part 15 Subpart E requirements.</p> <p>This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd.</p>		
		Date:	Jan. 12, 2026

Prepared by:	Reviewed by:	Approved by:
		
Ring Yang / Assistant	Seven Wang / Engineer	Iceman Hu / Manager

Other Aspects:
None.

Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested

This test report is based on a single evaluation of one sample of above mentioned products, It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd. The statement of compliance in this report is based on the limit in the test standard, the measurement uncertainty is not considered.

1.GENERAL INFORMATION

1.1.Description of Device (EUT)

FCC ID	:	SD4-MTED01
Product Name	:	Central Computing Platform
Model Number	:	MTED01
Software Version	:	N/A
Hardware Version	:	HW0.0.5
Operation frequency	:	U-NII-1: 5150 MHz~5250 MHz U-NII-2A: 5250 MHz~5350 MHz U-NII-2C: 5470 MHz~5725 MHz U-NII-3: 5725 MHz~5850 MHz
Number of channel	:	U-NII-1: IEEE 802.11a / n HT20 / ac VHT20 / ax HE20/be EHT20: 4 Channels; IEEE 802.11n HT40 / ac VHT40 / ax HE40/be EHT40: 2 Channels; IEEE 802.11ac VHT80 / ax HE80/be EHT80: 1 Channel. U-NII-2A: IEEE 802.11a / n HT20 / ac VHT20 / ax HE20/be EHT20: 4 Channels; IEEE 802.11n HT40 / ac VHT40 / ax HE40/be EHT40: 2 Channels; IEEE 802.11ac VHT80 / ax HE80/be EHT80: 1 Channel. IEEE 802.11ac VHT160/ax HE160/be EHT160: 1 Channel. U-NII-2C: IEEE 802.11a / n HT20 / ac VHT20/ ax HE20/be EHT20: 11 Channels; IEEE 802.11n HT40 / ac VHT40 / ax HE40/be EHT40: 5 Channels; IEEE 802.11ac VHT80 / ax HE80/be EHT80: 2 Channel. IEEE 802.11ac VHT160/ax HE160/be EHT160: 1 Channel. U-NII-3: IEEE 802.11a / n HT20 / ac VHT20 / ax HE20/be EHT20: 5 Channels; IEEE 802.11n HT40 / ac VHT40/ ax HE40/be EHT40: 2 Channels; IEEE 802.11ac VHT8 / ax HE80/be EHT80: 1 Channel.
Modulation	:	OFDM, OFDMA
Channels Spacing	:	IEEE 802.11a: 20MHz; IEEE 802.11n HT20: 20MHz; IEEE 802.11n HT40: 40MHz; IEEE 802.11ac VHT20: 20MHz; IEEE 802.11ac VHT40: 40MHz; IEEE 802.11ac VHT80: 80MHz; IEEE 802.11ac VHT160: 160MHz; IEEE 802.11ax HE20: 20MHz; IEEE 802.11ax HE40: 40MHz; IEEE 802.11ax HE80: 80MHz; IEEE 802.11ax HE160: 160MHz; IEEE 802.11be EHT20: 20MHz; IEEE 802.11be EHT40: 40MHz; IEEE 802.11be EHT80: 80MHz; IEEE 802.11be EHT160: 160MHz

Transmit Power	:	U-NII-1	IEEE 802.11a: 14.95dBm; IEEE 802.11n HT20: 14.67dBm IEEE 802.11n HT40: 14.60dBm IEEE 802.11ac VHT20: 14.29dBm IEEE 802.11ac VHT40: 14.29dBm IEEE 802.11ac VHT80: 15.19dBm IEEE 802.11ac VHT160: 12.20dBm IEEE 802.11ax HE20: 14.27dBm IEEE 802.11ax HE40: 15.58dBm IEEE 802.11ax HE80: 15.55dBm IEEE 802.11ax HE160: 11.03dBm IEEE 802.11be EHT20: 15.50dBm IEEE 802.11be EHT40: 15.43dBm IEEE 802.11be EHT80: 15.40dBm IEEE 802.11be EHT160: 11.22dBm
		U-NII-2A	IEEE 802.11a: 14.34dBm; IEEE 802.11n HT20: 14.30dBm IEEE 802.11n HT40: 14.29dBm IEEE 802.11ac VHT20: 14.20dBm IEEE 802.11ac VHT40: 13.84dBm IEEE 802.11ac VHT80: 14.63dBm IEEE 802.11ac VHT160: 11.94dBm IEEE 802.11ax HE20: 13.87dBm IEEE 802.11ax HE40: 15.29dBm IEEE 802.11ax HE80: 14.76dBm IEEE 802.11ax HE160: 10.85dBm IEEE 802.11be EHT20: 14.88dBm IEEE 802.11be EHT40: 15.20dBm IEEE 802.11be EHT80: 14.93dBm IEEE 802.11be EHT160: 10.91dBm
		U-NII-2C	IEEE 802.11a: 13.21dBm; IEEE 802.11n HT20: 13.17dBm IEEE 802.11n HT40: 12.90dBm IEEE 802.11ac VHT20: 12.89dBm IEEE 802.11ac VHT40: 12.15dBm IEEE 802.11ac VHT80: 12.47dBm IEEE 802.11ac VHT160: 13.70dBm IEEE 802.11ax HE20: 12.35dBm IEEE 802.11ax HE40: 13.57dBm IEEE 802.11ax HE80: 13.35dBm IEEE 802.11ax HE160: 13.62dBm IEEE 802.11be EHT20: 14.29dBm IEEE 802.11be EHT40: 13.70dBm IEEE 802.11be EHT80: 13.27dBm IEEE 802.11be EHT160: 13.87dBm
		U-NII-3	IEEE 802.11a: 13.06dBm; IEEE 802.11n HT20: 13.03dBm IEEE 802.11n HT40: 12.84dBm IEEE 802.11ac VHT20: 12.04dBm IEEE 802.11ac VHT40: 11.74dBm IEEE 802.11ac VHT80: 12.46dBm IEEE 802.11ax HE20: 11.82dBm IEEE 802.11ax HE40: 13.58dBm IEEE 802.11ax HE80: 13.28dBm IEEE 802.11be EHT20: 13.91dBm IEEE 802.11be EHT40: 13.81dBm IEEE 802.11be EHT80: 13.61dBm
Sample Type	:	Prototype production	
Note: The product information is provided by the manufacturer. The laboratory is not responsible for this data.			

1.2.The antenna information for EUT

Ant No.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	-	-	External	-	2.2

Note:

1.The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.

2.The test results of this report only apply to the sample as received.

1.3.Information of RF Cable

Cable Loss(dB)	Provided by
1.0	BYD Auto Industry Company Limited

Note:

1.The customer declared the loss value of the RF Cable. and the test results of this report only apply to the sample as received.

2.The laboratory is not responsible for the accuracy of the cable loss.

2.SUMMARY OF TEST

2.1.Summary of test result

No.	Description of Test Item	FCC Standard Section	Results
1	6dB Bandwidth & 26dB Bandwidth & 99% Occupied Bandwidth	15.407(a) 15.407(e)	PASS
2	Maximum Conducted Output Power	15.407(a)	PASS
3	Peak Power Spectral Density	15.407(a)	PASS
4	Unwanted Emissions and Band Edge	15.205 15.209 15.407(b)	PASS
5	Frequency Stability	15.407(g)	PASS
6	AC Power Line Conducted Emissions	15.207 15.407(b)(9)	N/A
7	Antenna Requirement	15.203	PASS

Note:“N/A” denotes test is not applicable in this test report.

2.2.Test Facilities

EMC Lab : Accredited by CNAS, CHINA
Registration No.: L5288
This Accreditation is valid until: November 12, 2029

Recognized by FCC, USA
Designation Number: CN1215
This Recognition is valid until: January 31, 2026

Accredited by A2LA, USA
Registration No.: 4366.01
This Accreditation is valid until: January 31, 2026

Recognized by Industry Canada
CAB identifier No.: CN0035
This Recognition is valid until: January 31, 2026

Recognized by VCCI, Japan
Registration No.:C-14103; T-20073; R-13663;
R-20103; G-20097
Date of registration: Apr. 20, 2020
This Recognition is valid until: Apr. 19, 2026

Recognized by TUV Rheinland, Germany
Registration No.: UA 50413872 0001
Date of registration: July 31, 2018

Recognized by Intertek
Registration No.: 2011-RTL-L2-64
Date of registration: November 08, 2018

Name of Firm : EST Technology Co., Ltd.

Site Location : Chilingxiang, Qishantou, Santun, Houjie, Dongguan,
Guangdong, China

2.3.Measurement uncertainty for EST Technology Co., Ltd.

Test Item	Uncertainty
Uncertainty for Conduction emission test	2.54dB
Uncertainty for spurious emissions test (Below 30MHz)	±1.62 dB
Uncertainty for Radiation Emission test (30MHz-1GHz)	3.62
Uncertainty for Radiation Emission test (1GHz to 18GHz)	4.86
Uncertainty for spurious emissions test (18GHz to 40GHz)	4.67
Uncertainty for radio frequency	7×10-8
Uncertainty for conducted RF Power	1.08dB
Uncertainty for Power density test	0.26dB
Temperature	±0.6°C
Humidity	±4.0 %
Volatage DC	±1.0%
Volatage (AC, <10KHz)	±1.5%

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

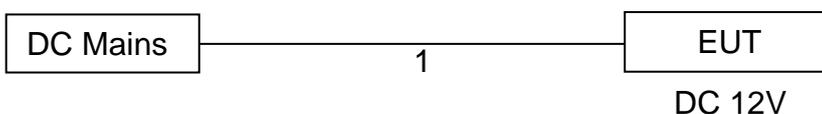
2.4.Assistant equipment used for test

Item	Equipment	Brand	Model Name/Type No.	FCC ID	Series No.
-	-	-	-	-	-

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	2.0m	DC Line

2.5.Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 (or 1.5) meter high above ground.



(EUT: Central Computing Platform)

2.6.Test Mode

Pre-scan has been combined all possible modulations and date rates to determine the worst case test mode,the worst case test mode was selected for the final test as listed below.

Test Item	Test Mode	Channel	Modulation	Data rate
6dB Bandwidth	IEEE 802.11a	149/157/165	OFDM	6Mbps
	IEEE 802.11n HT20	149/157/165	OFDM	MCS0
	IEEE 802.11n HT40	151/159	OFDM	MCS0
	IEEE 802.11ac VHT20	149/157/165	OFDM	MCS0
	IEEE 802.11ac VHT40	151/159	OFDM	MCS0
	IEEE 802.11ac VHT80	155	OFDM	MCS0
	IEEE 802.11ax HE20	149/157/165	OFDMA	MCS0
	IEEE 802.11ax HE40	151/159	OFDMA	MCS0
	IEEE 802.11ax HE80	155	OFDMA	MCS0
	IEEE 802.11be EHT20	149/157/165	OFDMA	MCS0
	IEEE 802.11be EHT40	151/159	OFDMA	MCS0
	IEEE 802.11be EHT80	155	OFDMA	MCS0
26dB Bandwidth	IEEE 802.11a	36/40/48/52/60/64/100/116/140/ 149/157/165	OFDM	6Mbps
	IEEE 802.11n HT20	36/40/48/52/60/64/100/116/140/ 149/157/165	OFDM	MCS0
	IEEE 802.11n HT40	38/46/54/62/102/118/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT20	36/40/48/52/60/64/100/116/140/ 149/157/165	OFDM	MCS0
	IEEE 802.11ac VHT40	38/46/54/62/102/118/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT80	42/58/106/122/155	OFDM	MCS0
	IEEE 802.11ac VHT160	50/114	OFDM	MCS0
	IEEE 802.11ax HE20	36/40/48/52/60/64/100/116/140/ 149/157/165	OFDMA	MCS0
	IEEE 802.11ax HE40	38/46/54/62/102/118/134/151/159	OFDMA	MCS0
	IEEE 802.11ax HE80	42/58/106/122/155	OFDMA	MCS0
	IEEE 802.11ax HE160	50/114	OFDMA	MCS0
	IEEE 802.11be EHT20	36/40/48/52/60/64/100/116/140/ 149/157/165	OFDMA	MCS0
	IEEE 802.11be EHT40	38/46/54/62/102/118/134/151/159	OFDMA	MCS0
	IEEE 802.11be EHT80	42/58/106/122/155	OFDMA	MCS0
IEEE 802.11be EHT160	50/114	OFDMA	MCS0	

99% Occupied Bandwidth	IEEE 802.11a	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	6Mbps
	IEEE 802.11n HT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11n HT40	38/46/54/62/102/118/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11ac VHT40	38/46/54/62/102/118/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT80	42/58/106/122/155	OFDM	MCS0
	IEEE 802.11ac VHT160	50/114	OFDM	MCS0
	IEEE 802.11ax HE20	36/40/48/52/60/64/100/116/140/149/157/165	OFDMA	MCS0
	IEEE 802.11ax HE40	38/46/54/62/102/118/134/151/159	OFDMA	MCS0
	IEEE 802.11ax HE80	42/58/106/122/155	OFDMA	MCS0
	IEEE 802.11ax HE160	50/114	OFDMA	MCS0
	IEEE 802.11be EHT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDMA	MCS0
	IEEE 802.11be EHT40	38/46/54/62/102/118/134/151/159	OFDMA	MCS0
	IEEE 802.11be EHT80	42/58/106/122/155	OFDMA	MCS0
	IEEE 802.11be EHT160	50/114	OFDMA	MCS0
Maximum Conducted Output Power	IEEE 802.11a	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	6Mbps
	IEEE 802.11n HT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11n HT40	38/46/54/62/102/118/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11ac VHT40	38/46/54/62/102/118/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT80	42/58/106/122/155	OFDM	MCS0
	IEEE 802.11ac VHT160	50/114	OFDM	MCS0
	IEEE 802.11ax HE20	36/40/48/52/60/64/100/116/140/149/157/165	OFDMA	MCS0
	IEEE 802.11ax HE40	38/46/54/62/102/118/134/151/159	OFDMA	MCS0
	IEEE 802.11ax HE80	42/58/106/122/155	OFDMA	MCS0
	IEEE 802.11ax HE160	50/114	OFDMA	MCS0
	IEEE 802.11be EHT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDMA	MCS0
	IEEE 802.11be EHT40	38/46/54/62/102/118/134/151/159	OFDMA	MCS0
	IEEE 802.11be EHT80	42/58/106/122/155	OFDMA	MCS0
	IEEE 802.11be EHT160	50/114	OFDMA	MCS0

Peak Power Spectral Density	IEEE 802.11a	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	6Mbps
	IEEE 802.11n HT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11n HT40	38/46/54/62/102/118/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11ac VHT40	38/46/54/62/102/118/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT80	42/58/106/122/155	OFDM	MCS0
	IEEE 802.11ac VHT160	50/114	OFDM	MCS0
	IEEE 802.11ax HE20	36/40/48/52/60/64/100/116/140/149/157/165	OFDMA	MCS0
	IEEE 802.11ax HE40	38/46/54/62/102/118/134/151/159	OFDMA	MCS0
	IEEE 802.11ax HE80	42/58/106/122/155	OFDMA	MCS0
	IEEE 802.11ax HE160	50/114	OFDMA	MCS0
	IEEE 802.11be EHT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDMA	MCS0
	IEEE 802.11be EHT40	38/46/54/62/102/118/134/151/159	OFDMA	MCS0
	IEEE 802.11be EHT80	42/58/106/122/155	OFDMA	MCS0
	IEEE 802.11be EHT160	50/114	OFDMA	MCS0
Unwanted Emissions and Band Edge(Above 1GHz)	IEEE 802.11a	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	6Mbps
	IEEE 802.11n HT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11n HT40	38/46/54/62/102/118/134/151/159	OFDM	MCS0
	IEEE 802.11ac VHT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDM	MCS0
	IEEE 802.11ac VHT40	38/46/54/62/102/118/134/151/ 159	OFDM	MCS0
	IEEE 802.11ac VHT80	42/58/106/122/155	OFDM	MCS0
	IEEE 802.11ac VHT160	50/114	OFDM	MCS0
	IEEE 802.11ax HE20	36/40/48/52/60/64/100/116/140/149/157/165	OFDMA	MCS0
	IEEE 802.11ax HE40	38/46/54/62/102/118/134/151/159	OFDMA	MCS0
	IEEE 802.11ax HE80	42/58/106/122/155	OFDMA	MCS0
	IEEE 802.11ax HE160	50/114	OFDMA	MCS0
	IEEE 802.11be EHT20	36/40/48/52/60/64/100/116/140/149/157/165	OFDMA	MCS0
	IEEE 802.11be EHT40	38/46/54/62/102/118/134/151/159	OFDMA	MCS0
	IEEE 802.11be EHT80	42/58/106/122/155	OFDMA	MCS0
	IEEE 802.11be EHT160	50/114	OFDMA	MCS0

Unwanted Emissions Below 1GHz	IEEE 802.11a	100	OFDM	6Mbps
Frequency Stability	Unmodulation	36/52/100/149	N/A	N/A
AC Power Line Conducted Emissions	IEEE 802.11a	100	OFDM	6Mbps

Note: In radiated measurement, the EUT had been pre-scan on the positioned of each 3 axis(X,Y,Z), the worst case was found when positioned on **X-plane**.

2.7.Channel List

Band	Mode	Channel	Frequency (MHz)
U-NII-1	IEEE 802.11a & n HT20 & ac VHT20 & ax HE20 & be EHT20	36	5180
		40	5200
		44	5220
		48	5240
	IEEE 802.11n HT40 & ac VHT40 & ax HE40 & be EHT40	38	5190
		46	5230
IEEE 802.11ac VHT80 & ax HE80 & be EHT80	42	5210	
U-NII-2A	IEEE 802.11a & n HT20 & ac VHT20 & ax HE20 & be EHT20	52	5260
		56	5280
		60	5300
		64	5320
	IEEE 802.11n HT40 & ac VHT40 & ax HE40 & be EHT40	54	5270
		62	5310
IEEE 802.11ac VHT80 & ax HE80 & be EHT80	58	5290	
IEEE 802.11ac VHT160 & ax HE160 & be EHT160	50	5250	
U-NII-2C	IEEE 802.11a & n HT20 & ac VHT20 & ax HE20 & be EHT20	100	5500
		104	5520
		108	5540
		112	5560
		116	5580
		120	5600
		124	5620
		128	5640
		132	5660
		136	5680
	140	5700	
	IEEE 802.11n HT40 & ac VHT40 & ax HE40 & be EHT40	102	5510
		110	5550
		118	5590
		126	5630
	IEEE 802.11ac VHT80 & ax HE80 & be EHT80	134	5670
		106	5530
	IEEE 802.11ac VHT160 & ax HE160 & be EHT160	122	5610
114		5570	
U-NII-3	IEEE 802.11a & n HT20 & ac VHT20 & ax HE20 & be EHT20	149	5745
		153	5765
		157	5785
		161	5805
		165	5825
	IEEE 802.11n HT40 & ac VHT40 & ax HE40 & be EHT40	151	5755
		159	5795
	IEEE 802.11ac VHT80 & ax HE80 & be EHT80	155	5775

2.8.Power Setting of Test Software

Software Name	AP META TOOL		
U-NII-1			
Frequency(MHz)	5180	5200	5240
IEEE 802.11a Setting	6	6	6
IEEE 802.11n HT20 Setting	6	6	6
IEEE 802.11ac VHT20 Setting	6	6	6
IEEE 802.11ax HE20 Setting	6	6	6
IEEE 802.11be EHT20 Setting	7	7	7
Frequency(MHz)	5190	5230	
IEEE 802.11n HT40 Setting	6	6	
IEEE 802.11ac VHT40 Setting	6	6	
IEEE 802.11ax HE40 Setting	7	7	
IEEE 802.11be EHT40 Setting	7	7	
Frequency(MHz)	5210		
IEEE 802.11ac VHT80 Setting	6		
IEEE 802.11ax HE80 Setting	7		
IEEE 802.11be EHT80 Setting	7		
U-NII-2A			
Frequency(MHz)	5260	5300	5320
IEEE 802.11a Setting	6	6	6
IEEE 802.11n HT20 Setting	6	6	6
IEEE 802.11ac VHT20 Setting	6	6	6
IEEE 802.11ax HE20 Setting	6	6	6
IEEE 802.11be EHT20 Setting	7	7	7
Frequency(MHz)	5270	5310	
IEEE 802.11n HT40 Setting	6	6	
IEEE 802.11ac VHT40 Setting	6	6	
IEEE 802.11ax HE40 Setting	7	7	
IEEE 802.11be EHT40 Setting	7	7	
Frequency(MHz)	5290		
IEEE 802.11ac VHT80 Setting	6		
IEEE 802.11ax HE80 Setting	7		
IEEE 802.11be EHT80 Setting	7		
Frequency(MHz)	5250		
IEEE 802.11ac VHT160 Setting	7		
IEEE 802.11ax HE160 Setting	7		
IEEE 802.11be EHT160 Setting	6		

U-NII-2C			
Frequency(MHz)	5500	5580	5700
IEEE 802.11a Setting	6	6	6
IEEE 802.11n HT20 Setting	6	6	6
IEEE 802.11ac VHT20 Setting	6	6	6
IEEE 802.11ax HE20 Setting	6	6	6
IEEE 802.11be EHT20 Setting	7	7	7
Frequency(MHz)	5510	5550	5670
IEEE 802.11n HT40 Setting	6	6	6
IEEE 802.11ac VHT40 Setting	6	6	6
IEEE 802.11ax HE40 Setting	7	7	7
IEEE 802.11be EHT40 Setting	7	7	7
Frequency(MHz)	5510	5610	
IEEE 802.11ac VHT80 Setting	6	6	
IEEE 802.11ax HE80 Setting	7	7	
IEEE 802.11be EHT80 Setting	7	7	
Frequency(MHz)	5570		
IEEE 802.11be EHT160 Setting	7		
IEEE 802.11ax HE160 Setting	7		
IEEE 802.11be EHT160 Setting	6		
U-NII-3			
Frequency(MHz)	5745	5785	5825
IEEE 802.11a Setting	6	6	6
IEEE 802.11n HT20 Setting	6	6	6
IEEE 802.11ac VHT20 Setting	6	6	6
IEEE 802.11ax HE20 Setting	6	6	6
IEEE 802.11be EHT20 Setting	7	7	7
Frequency(MHz)	5755	5795	
IEEE 802.11n HT40 Setting	6	6	
IEEE 802.11ac VHT40 Setting	6	6	
IEEE 802.11ax HE40 Setting	7	7	
IEEE 802.11be EHT40 Setting	7	7	
Frequency(MHz)	5775		
IEEE 802.11ac VHT80 Setting	6		
IEEE 802.11ax HE80 Setting	7		
IEEE 802.11be EHT80 Setting	7		

Note: This information is provided by the applicant.

2.9.Duty Cycle of Test Signal

Refer to Appendix B of Appendix FCC ID 5G Wi-Fi (the test data).

Note:

1. Duty Cycle=On Time/Total Time \times 100%.
2. Duty Factor= $10\times\text{LOG}(1/\text{Duty Cycle})$.
3. If duty cycle <98 %, the conducted average output power and average power spectral density should be add duty factor.
4. If duty cycle \geq 98 %,the EUT is consider to be transmitting continuously,the conducted average output power and average power spectral density no need to add duty factor.
5. The on-time time is transmission duration(T).
6. The VBW Setting is use for RMS measurement in Unwanted Emissions and Band Edge(Above 1GHz) Test.

2.10. Test Equipment List

For conducted emission test						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESRP3	EST-E070	LISAI	June 11,25	June 10,26
Artificial Mains Network	Rohde & Schwarz	ENV216	EST-E048	LISAI	June 11,25	June 10,26
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	EST-E078	LISAI	June 11,25	June 10,26
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A

For radiated emission test(9kHz-30MHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	EST-E047	LISAI	June 11,25	June 10,26
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	EST-E054	LISAI	June 11,25	June 10,26
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A
9kHz-30MHz Cable	N/A	EST-001	N/A	N/A	N/A	N/A

For radiated emissions test (30MHz-1000MHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	EST-E047	LISAI	June 11,25	June 10,26
Bilog Antenna	Teseq	CBL 6111D	EST-E034	LISAI	June 11,25	June 10,26
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A
30-1000MHz Cable	N/A	EST-002	N/A	N/A	N/A	N/A

For radiated emission test(Above 1000MHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
Horn Antenna	SCHWARZBECK	BBHA9120D	EST-E144	LISAI	June 11,25	June 10,26
Horn Antenna	Com-Power	AHA-840	EST-E133	LISAI	June 11,25	June 10,26
Low Noise Amplifier	RF	TRLA-010180 G45N	EST-E142	LISAI	June 11,25	June 10,26
Spectrum Analyzer	Rohde & Schwarz	FSV40	EST-E069	LISAI	June 11,25	June 10,26
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A
Above 1GHz Cable	N/A	EST-003	N/A	N/A	N/A	N/A

For connect EUT antenna terminal test

Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
TS 1120	Tonscend	/	/	/	/	/
Test Software	Tonscend	JS1120-3	3.5.39	/	/	/
RF Control Unit	Tonscend	JS0806-2	EST-E134	LISAI	June 11,25	June 10,26
Signal and Spectrum Analyzer	Keysight	N9010B	EST-E141	LISAI	June 11,25	June 10,26

3.6dB BANDWIDTH & 26dB BANDWIDTH & 99% OCCUPIED BANDWIDTH

3.1.Limit

Band	Frequency (MHz)	Test Item	Limit
U-NII-1	5150-5250	26dB Bandwidth&99% Occupied Bandwidth	N/A
U-NII-2A	5250-5350	26dB Bandwidth&99% Occupied Bandwidth	N/A
U-NII-2C	5470-5725	26dB Bandwidth&99% Occupied Bandwidth	N/A
U-NII-3	5725-5850	6dB Bandwidth&99% Occupied Bandwidth	6dB Bandwidth≥500KHz

3.2.Test Setup



3.3.Spectrum Analyzer Setting

6dB Bandwidth	
Spectrum Parameters	Setting
RBW	100KHz
VBW	300KHz
Span	40MHz(20MHz Bandwidth mode) 60MHz(40MHz Bandwidth mode) 120MHz(80MHz Bandwidth mode)
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

26dB Bandwidth	
Spectrum Parameters	Setting
RBW	approximately 1% of the emission bandwidth
VBW	>RBW
Span	40MHz(20MHz Bandwidth mode) 60MHz(40MHz Bandwidth mode) 120MHz(80MHz Bandwidth mode)
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

99% Occupied Bandwidth	
Spectrum Parameters	Setting
RBW	1% to 5% of the OBW
VBW	approximately three times the RBW
Span	between 1.5 times and 5.0 times the OBW
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

3.4. Test Procedure

For 26dB Bandwidth Measurement :

- a. Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- b. Spectrum analyzer setting parameters in accordance with section 3.3.
- c. Set the EUT transmit continuously with maximum output power.
- d. Allow trace to stabilize, measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
- e. Repeat above procedures until all modes and channels were measured.
- f. Record the results in the test report.

For 6dB Bandwidth Measurement :

- a. Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- b. Spectrum analyzer setting parameters in accordance with section 3.3.
- c. Set the EUT transmit continuously with maximum output power.
- d. Allow trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
- e. Repeat above procedures until all modes and channels were measured.
- f. Record the results in the test report.

For 99% Occupied Bandwidth Measurement :

- a. Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- b. Spectrum analyzer setting parameters in accordance with section 3.3.
- c. Set the EUT transmit continuously with maximum output power.
- d. Allow trace to stabilize, use the 99% power bandwidth function to measure bandwidth.
- e. Repeat above procedures until all modes and channels were measured.
- f. Record the results in the test report.

3.5. Test Result

Refer to Appendix A1/A2/A3 of Appendix FCC ID 5G Wi-Fi (the test data).

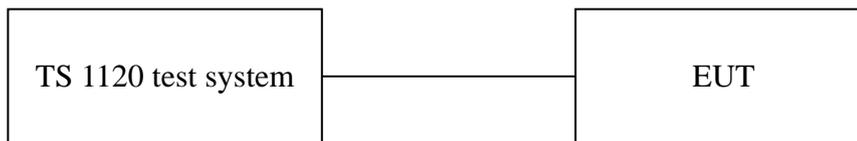
4. MAXIMUM CONDUCTED OUTPUT POWER

4.1. Limit

Band	EUT Type	Limit
U-NII-1	Outdoor Access Point	1W(30dBm) (Max. e.i.r.p _≤ 125mW at any elevation angle above 30 degrees as measured from the horizon)
	Indoor Access Point	1W(30dBm)
	Fixed point-to-point Access Point	1W(30dBm)
	Mobile and Portable Client Device	250mW(23.98dBm)
U-NII-2A	All Device	250mW(23.98dBm) or 11dBm+10 log B, Which is lesser. (B is 26dB Bandwidth in MHz)
U-NII-2C	All Device	250mW(23.98dBm) or 11dBm+10 log B, Which is lesser. (B is 26dB Bandwidth in MHz)
U-NII-3	All Device	1W(30dBm)

Note: For the Band U-NII-2A and U-NII-2C, the maximum conducted output power limit calculate result refer to section 3.5.

4.2. Test Setup



4.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	1MHz
VBW	3MHz
Span	40MHz(20MHz Bandwidth mode) 80MHz(40MHz Bandwidth mode) 160MHz(80MHz Bandwidth mode)
Sweep Time	Auto
Detector	RMS
Trace Mode	Max Hold

4.4.Test Procedure

- a. Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- b. Spectrum analyzer setting parameters in accordance with section 4.3.
- c. Set the EUT transmit continuously with maximum output power.
- d. Use the channel power function to measure maximum peak output power, allow trace to stabilize, save test pictures.
- e. Repeat above procedures until all modes and channels were measured.
- f. Record the results in the test report.

4.5.Test Result

Refer to Appendix C of Appendix FCC ID 5G Wi-Fi (the test data).

5. PEAK POWER SPECTRAL DENSITY

5.1. Limit

Band	EUT Type	Limit
U-NII-1	Outdoor Access Point	17dBm/MHz
	Indoor Access Point	17dBm/MHz
	Fixed point-to-point Access Point	17dBm/MHz
	Mobile and Portable Client Device	11dBm/MHz
U-NII-2A	All Device	11dBm/MHz
U-NII-2C	All Device	11dBm/MHz
U-NII-3	All Device	30dBm/500KHz

5.2. Test Setup



5.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	1MHz(For U-NII-1&U-NII-2A&U-NII-2C) 500KHz(For U-NII-3)
VBW	3MHz(For U-NII-1&U-NII-2A&U-NII-2C) 2MHz(For U-NII-3)
Span	encompass the entire 26 dB EBW or 99% OBW of the signal
Sweep Time	Auto
Number of Sweep Point	$\geq 2 \times \text{SPAN} / \text{RBW}$
Detector	RMS(power averaging)
Trace Average	≥ 100 traces

5.4. Test Procedure

- a. Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- b. Spectrum analyzer setting parameters in accordance with section 5.3.
- c. Set the EUT transmit continuously with maximum output power.
- d. Allow trace to stabilize, use the marker-to-peak function to set the marker to the average of the emission.
- e. If the duty cycle of test signal $< 98\%$, the result = max measured value + $10 \times \log(1/\text{duty cycle})$;
If the duty cycle of test signal $\geq 98\%$, the result = max measured value.
- f. Repeat above procedures until all modes and channels were measured.
- g. Record the results in the test report.

5.5. Test Result

Refer to Appendix D of Appendix FCC ID 5G Wi-Fi (the test data).

6.UNWANTED EMISSIONS AND BAND EDGE

6.1.Limit

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

The unwanted emissions which fall in Restricted bands shall not exceed the field strength levels specified in the following table:

15.209 Radiated emission limits

Frequency (MHz)	Field Strength(μ V/m)	Distance(m)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

Note:

1. $\text{dB}\mu\text{V}/\text{m} = 20\text{Log}(\mu\text{V}/\text{m})$

2. Above 1GHz the formula is used to convert the EIRP to field strength

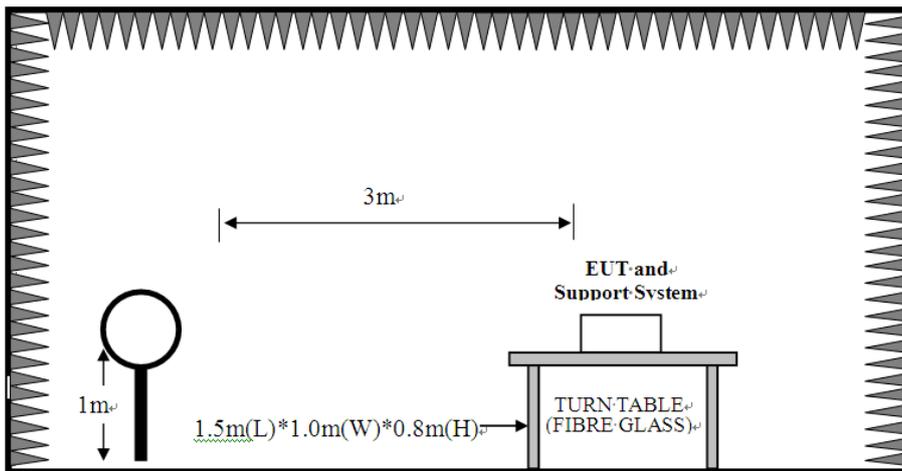
$$E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log (d[\text{m}]) + 104.77$$

where E is field strength and d is distance at which the field strength limit is specified in the applicable requirements.

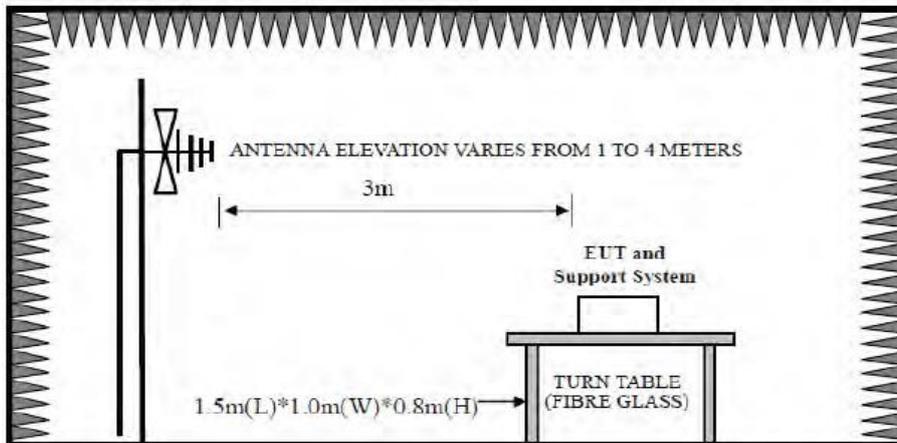
for example, 3m field strength($\text{dB}\mu\text{V}/\text{m}$)= $\text{EIRP} - 20\log(3) + 104.77 = \text{EIRP} + 95.2$

6.2. Test Setup

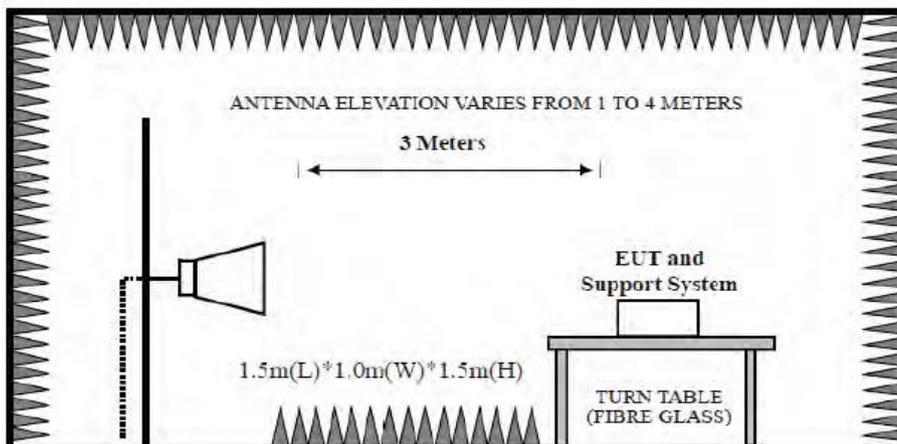
9kHz~30MHz



30~1000MHz



Above 1GHz



6.3.Spectrum Analyzer Setting

For 9KHz-150KHz

Spectrum Parameters	Setting
RBW	300Hz(for Peak&AVG)/CISPR 200Hz(for QP)
VBW	300Hz(for Peak&AVG)/CISPR 200Hz(for QP)
Start frequency	9KHz
Stop frequency	150KHz
Sweep Time	Auto
Detector	PEAK/QP/AVG
Trace Mode	Max Hold

Note : For 9KHz-90KHz&110KHz-150KHz,the detector is average,other frequency is CISPR QP detector.

For 150KHz-30MHz

Spectrum Parameters	Setting
RBW	9KHz
VBW	9KHz
Start frequency	150KHz
Stop frequency	30MHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

Note : For 150KHz-490KHz,the detector is average,other frequency is CISPR QP detector.

For 30MHz-1GHz

Spectrum Parameters	Setting
RBW	120KHz
VBW	300KHz
Start frequency	30MHz
Stop frequency	1GHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

For Above 1GHz

Spectrum Parameters	Setting
RBW	1MHz
VBW	PEAK Measurement
	AVG Measurement Duty cycle \geq 98%,VBW=10Hz Duty cycle $<$ 98%,VBW \geq 1/T Video bandwidth mode=RMS (power averaging)
Start frequency	1GHz
Stop frequency	40GHz

Sweep Time	Auto
Detector	PEAK
Trace Mode	Max Hold

Note: T is the on-time of the duty cycle, when EUT is continuously emitted Maximum output power, in seconds. Refer to Section 2.8 on time.

6.4.Test Procedure

- a. EUT was placed on a turn table, which is 0.8 meter high above ground for below 1GHz test, and which is 1.5 meter high above ground for above 1GHz test.
- b. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower.
- c. Set the EUT transmit continuously with maximum output power.
- d. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
- e. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.
- f. Spectrum analyzer setting parameters in accordance with section 6.3.
- g. Repeat above procedures until all channels were measured.
- h. Record the results in the test report.
- i. IEEE 802.11a, IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40, IEEE 802.11ac VHT80, IEEE 802.11ac VHT160, IEEE 802.11ax HE20, IEEE 802.11ax HE40, IEEE 802.11ax HE80, IEEE 802.11ax HE160, IEEE 802.11be EHT20, IEEE 802.11be EHT40, IEEE 802.11be EHT80, IEEE 802.11be EHT160 all have been tested, only worst case 802.11be EHT20 is recorded.

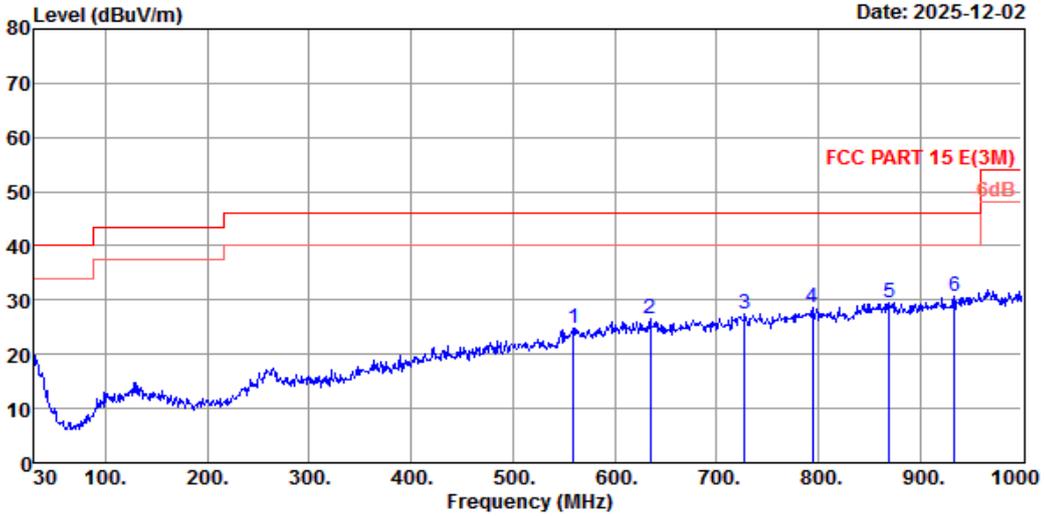
6.5.Test Result

Radiated Emissions Below 1GHz

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan,Guangdong,China
Tel:+86-769-83081888
Fax:+86-769-83081878

Data: 63 File: \\EMC-966-5\Test Data2\2025\RF\B\Bi Ya Di\MTED01-30-1000.EM6 (66) Date: 2025-12-02



Site no. : 5# 966 Chamber Data no. : 63
 Dis. / Ant. : 3m 54681 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 E(3M)
 Env. / Ins. : Temp:22.6°C;Humi:51.5%;Press:101.55kPa
 Engineer : Aron
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : TX Mode
 Sample No : EST-250411014-002

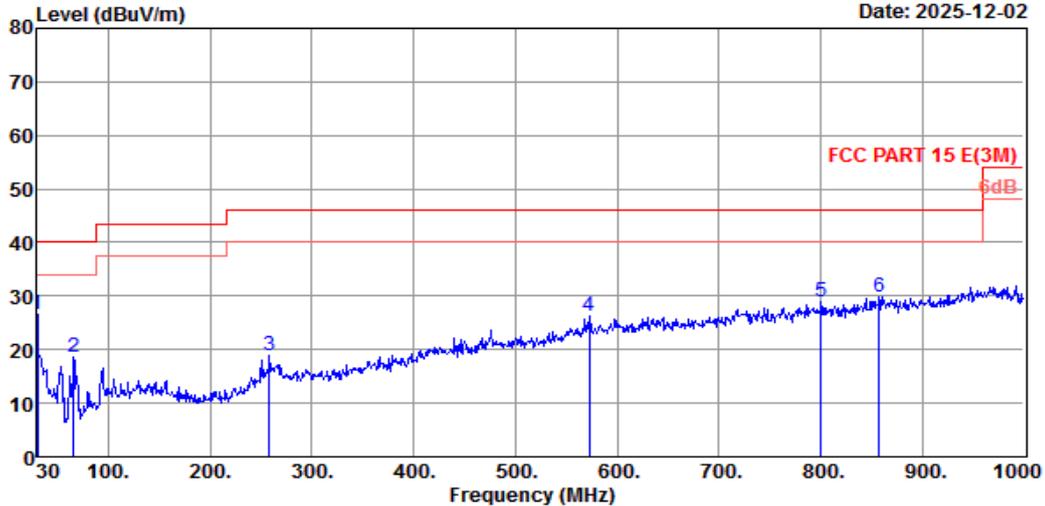
	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	559.62	19.45	4.31	1.17	24.93	46.00	21.07	QP
2	635.28	20.15	4.62	1.70	26.47	46.00	19.53	QP
3	727.43	20.76	4.97	1.76	27.49	46.00	18.51	QP
4	794.36	21.92	5.23	1.63	28.78	46.00	17.22	QP
5	870.02	22.70	5.49	1.33	29.52	46.00	16.48	QP
6	934.04	23.36	5.70	1.50	30.56	46.00	15.44	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 64 File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01-30-1000.EM6 (66) Date: 2025-12-02



Site no. : 5# 966 Chamber Data no. : 64
 Dis. / Ant. : 3m 54681 Ant. pol. : VERTICAL
 Limit : FCC PART 15 E(3M)
 Env. / Ins. : Temp:22.6°C;Humi:51.5%;Press:101.55kPa
 Engineer : Aron
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : TX Mode
 Sample No : EST-250411014-002

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.00	19.30	0.93	6.42	26.65	40.00	13.35	QP
2	65.89	6.20	1.38	11.02	18.60	40.00	21.40	QP
3	257.95	14.30	2.84	1.69	18.83	46.00	27.17	QP
4	572.23	19.58	4.36	2.28	26.22	46.00	19.78	QP
5	800.18	21.80	5.25	1.89	28.94	46.00	17.06	QP
6	857.41	22.76	5.44	1.73	29.93	46.00	16.07	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

Note:

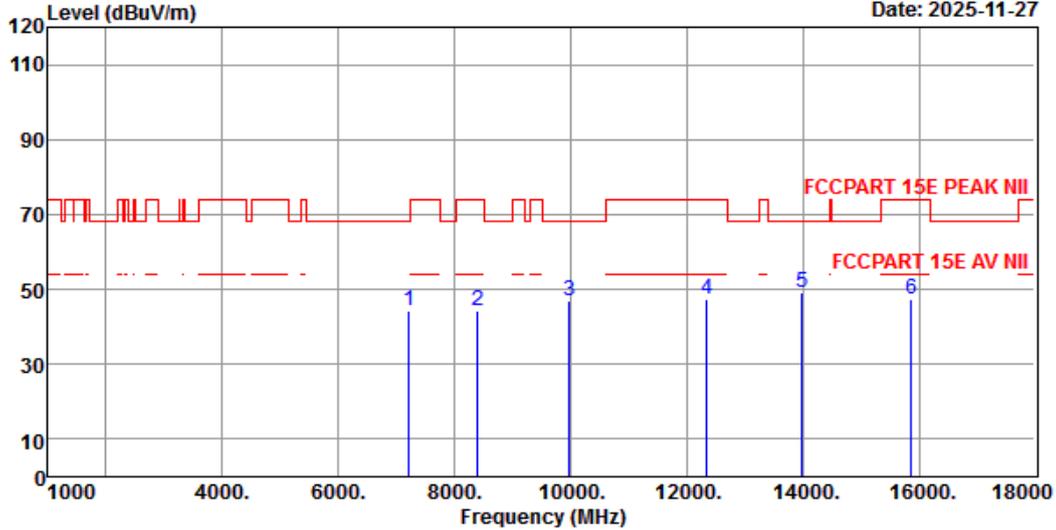
1. The amplitude of 9KHz to 30MHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.
2. All channels had been pre-test, only the worst case was reported.

Radiated Emissions Above 1G

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 121 File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144) Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 121
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5180MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7222.00	36.95	6.71	43.36	43.84	44.14	68.20	24.06	Peak
2	8395.00	37.40	6.99	43.12	43.08	44.35	74.00	29.65	Peak
3	9976.00	39.54	8.09	42.71	42.03	46.95	68.20	21.25	Peak
4	12339.00	40.17	9.09	40.49	38.71	47.48	74.00	26.52	Peak
5	13988.00	42.07	10.21	39.89	36.78	49.17	68.20	19.03	Peak
6	15875.00	38.88	11.54	42.64	39.70	47.48	74.00	26.52	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

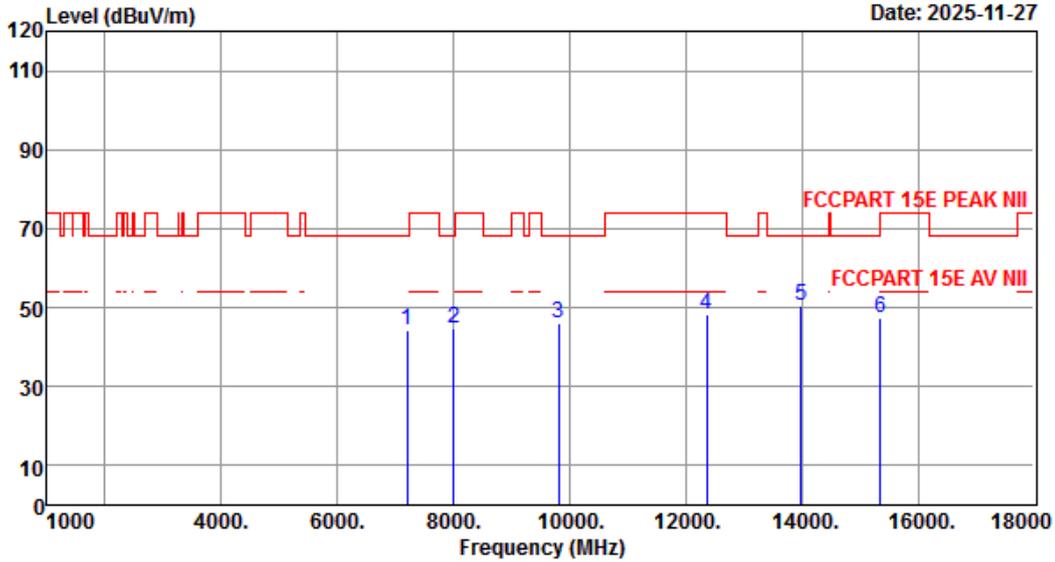
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 122

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 122
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5180MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7205.00	37.10	6.70	43.36	43.82	44.26	68.20	23.94	Peak
2	8004.00	38.20	6.94	43.20	42.80	44.74	68.20	23.46	Peak
3	9806.00	39.80	7.91	42.76	40.92	45.87	68.20	22.33	Peak
4	12356.00	40.17	9.10	40.47	39.41	48.21	74.00	25.79	Peak
5	13988.00	42.07	10.21	39.89	37.89	50.28	68.20	17.92	Peak
6	15348.00	39.26	11.24	42.37	39.34	47.47	68.20	20.73	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

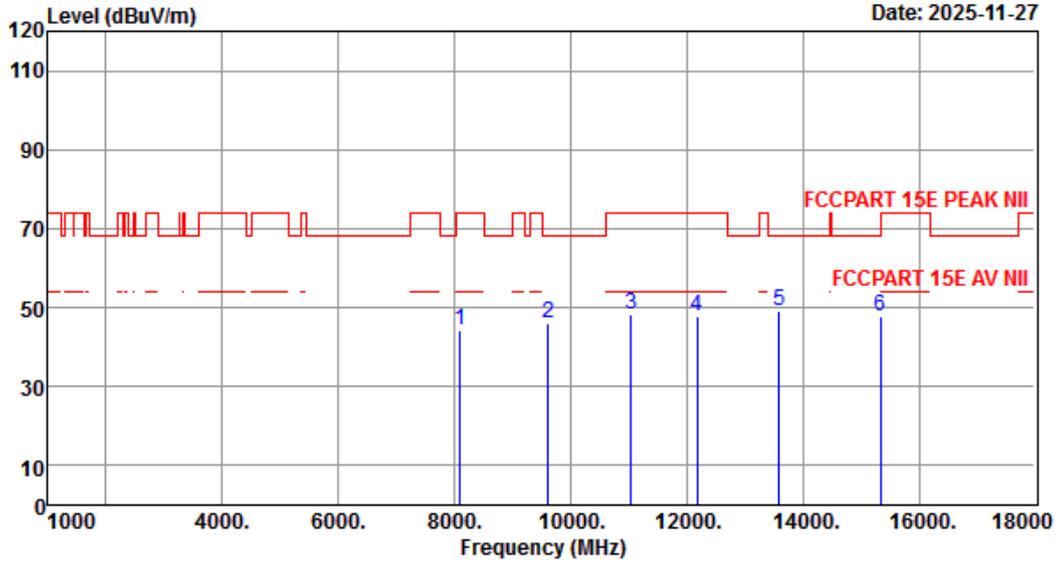
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 123

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 123
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5200MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	8089.00	37.70	6.95	43.18	42.94	44.41	74.00	29.59	Peak
2	9619.00	39.65	7.71	42.81	41.42	45.97	68.20	22.23	Peak
3	11047.00	39.44	8.78	41.95	41.85	48.12	74.00	25.88	Peak
4	12186.00	40.14	9.02	40.72	39.59	48.03	74.00	25.97	Peak
5	13597.00	41.37	9.90	39.74	37.58	49.11	68.20	19.09	Peak
6	15331.00	39.27	11.23	42.36	39.63	47.77	68.20	20.43	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

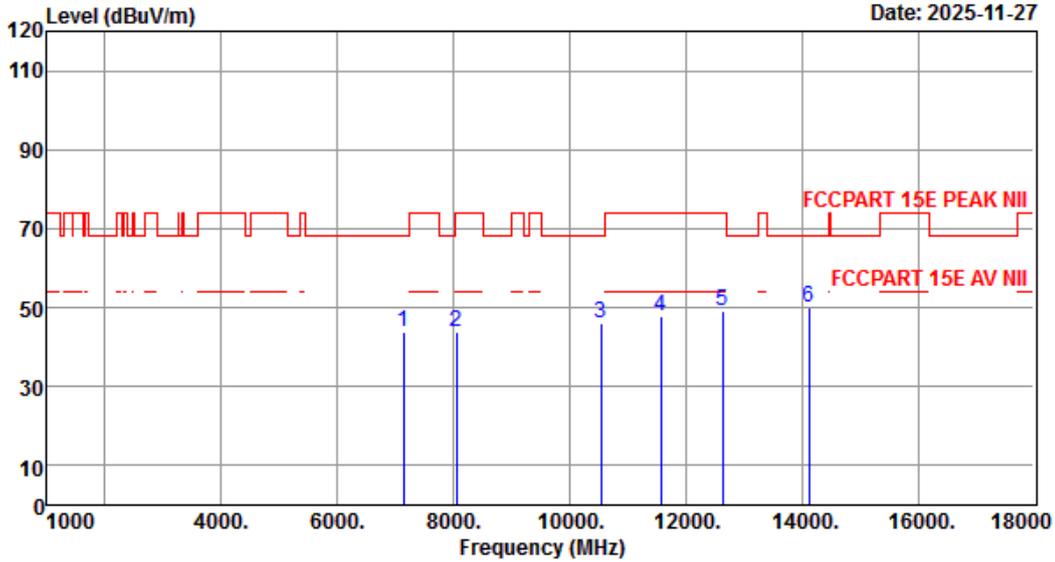
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 125

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 125
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5240MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7137.00	36.83	6.68	43.37	43.71	43.85	68.20	24.35	Peak
2	8055.00	37.90	6.95	43.19	42.25	43.91	74.00	30.09	Peak
3	10537.00	39.49	8.47	42.32	40.27	45.91	68.20	22.29	Peak
4	11574.00	39.80	8.86	41.42	40.56	47.80	74.00	26.20	Peak
5	12628.00	40.23	9.24	40.06	39.87	49.28	74.00	24.72	Peak
6	14124.00	41.79	10.32	40.17	38.06	50.00	68.20	18.20	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

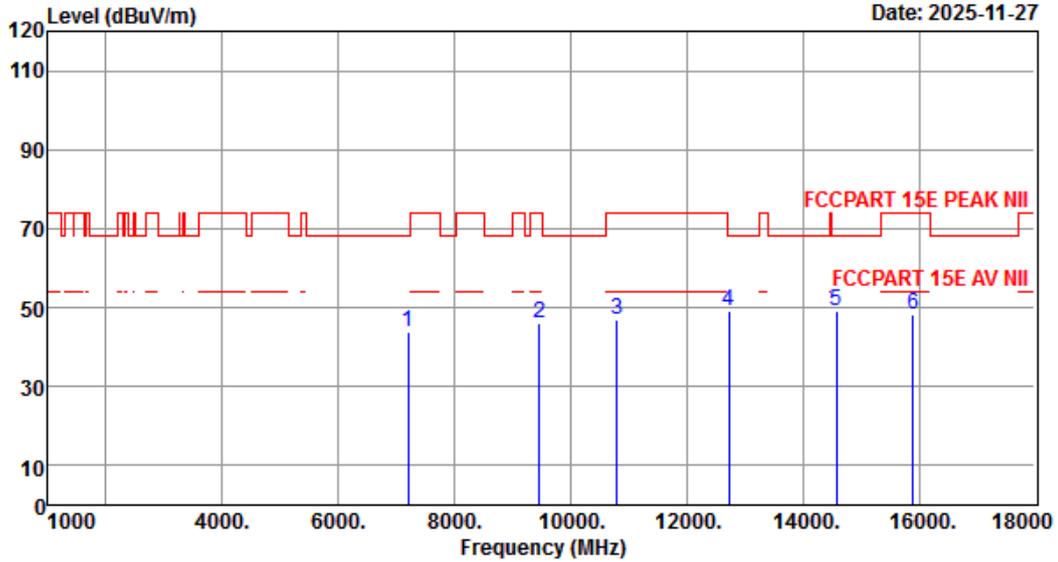
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan,Guangdong,China
Tel:+86-769-83081888
Fax:+86-769-83081878

Data: 126

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 126
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5240MHz
 Sample No : EST-250411014-002

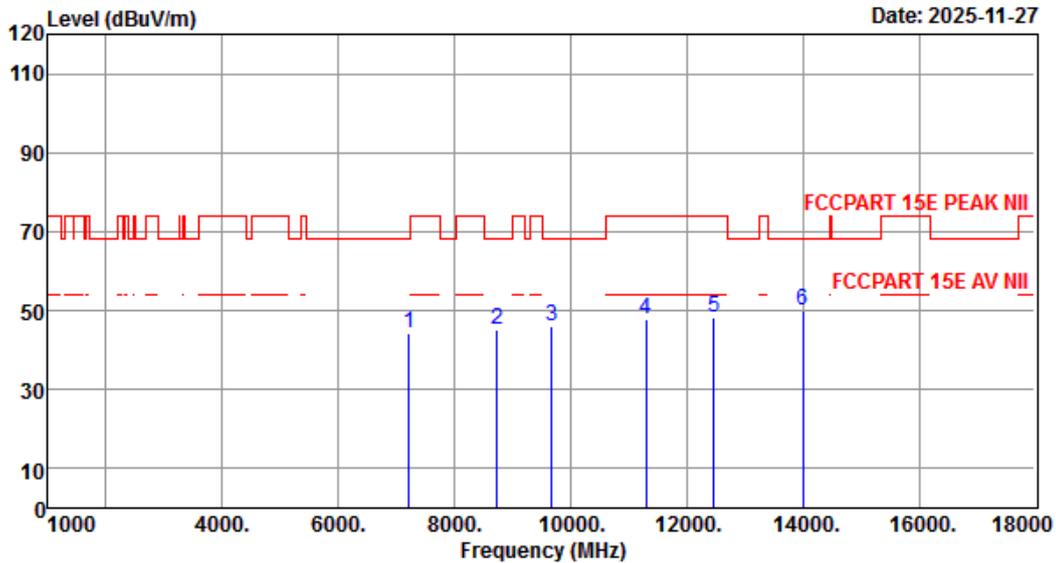
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7205.00	37.10	6.70	43.36	43.19	43.63	68.20	24.57	Peak
2	9466.00	39.13	7.55	42.86	42.19	46.01	74.00	27.99	Peak
3	10792.00	39.44	8.64	42.14	41.08	47.02	74.00	26.98	Peak
4	12730.00	40.25	9.29	39.91	39.61	49.24	68.20	18.96	Peak
5	14583.00	40.60	10.69	41.23	38.92	48.98	68.20	19.22	Peak
6	15892.00	38.87	11.55	42.65	40.29	48.06	74.00	25.94	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan,Guangdong,China
Tel:+86-769-83081888
Fax:+86-769-83081878

Data: 127 File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)



Site no. : 5# 966 Chamber Data no. : 127
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5260MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7222.00	36.95	6.71	43.36	43.98	44.28	68.20	23.92	Peak
2	8735.00	38.67	7.03	43.05	42.55	45.20	68.20	23.00	Peak
3	9670.00	40.10	7.77	42.80	40.88	45.95	68.20	22.25	Peak
4	11302.00	39.61	8.82	41.69	40.94	47.68	74.00	26.32	Peak
5	12475.00	40.19	9.16	40.29	39.29	48.35	74.00	25.65	Peak
6	14005.00	42.10	10.22	39.90	37.45	49.87	68.20	18.33	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

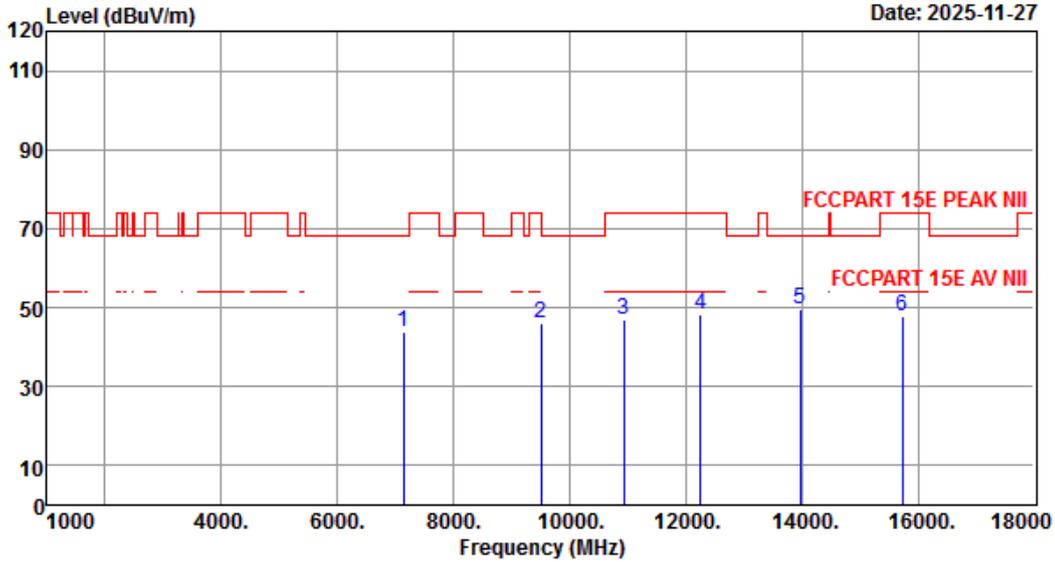
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 128

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 128
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5260MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7137.00	36.83	6.68	43.37	43.75	43.89	68.20	24.31	Peak
2	9500.00	39.20	7.59	42.85	42.07	46.01	68.20	22.19	Peak
3	10928.00	39.41	8.73	42.05	40.69	46.78	74.00	27.22	Peak
4	12254.00	40.15	9.05	40.62	39.84	48.42	74.00	25.58	Peak
5	13971.00	42.04	10.19	39.89	37.18	49.52	68.20	18.68	Peak
6	15739.00	38.98	11.46	42.57	40.05	47.92	74.00	26.08	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

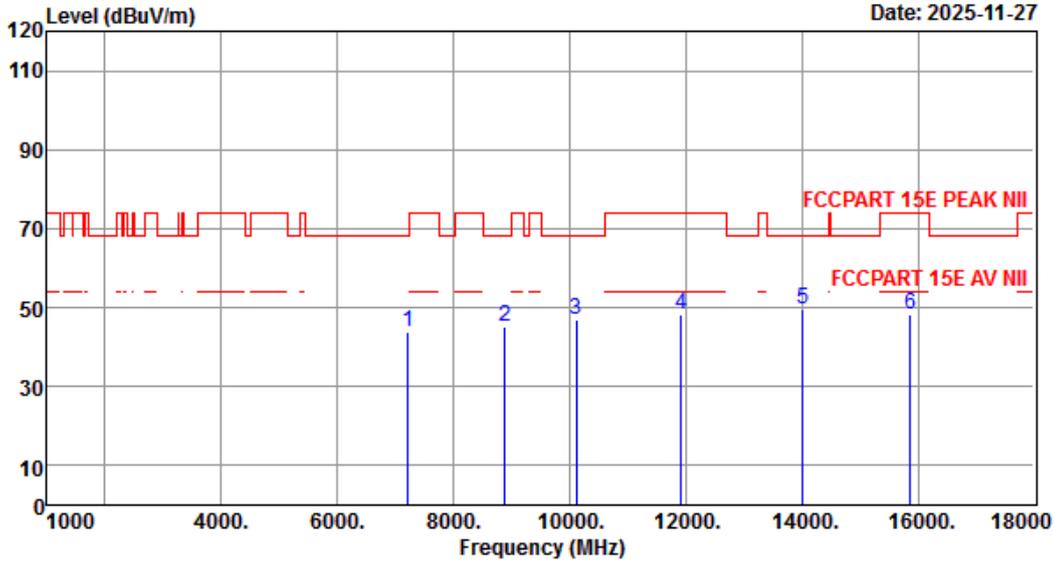
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 129

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 129
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5300MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7222.00	36.95	6.71	43.36	43.40	43.70	68.20	24.50	Peak
2	8888.00	38.90	7.05	43.02	42.05	44.98	68.20	23.22	Peak
3	10112.00	39.58	8.19	42.62	41.67	46.82	68.20	21.38	Peak
4	11914.00	40.04	8.91	41.08	40.29	48.16	74.00	25.84	Peak
5	14022.00	42.06	10.23	39.94	37.17	49.52	68.20	18.68	Peak
6	15875.00	38.88	11.54	42.64	40.49	48.27	74.00	25.73	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

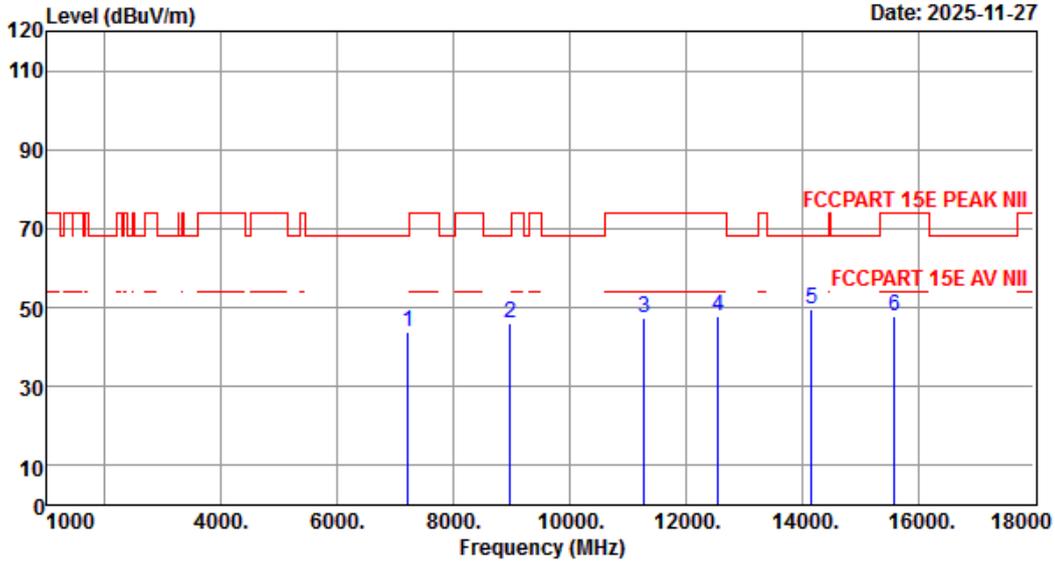
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan,Guangdong,China
Tel:+86-769-83081888
Fax:+86-769-83081878

Data: 130

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 130
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5300MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7222.00	36.95	6.71	43.36	43.68	43.98	68.20	24.22	Peak
2	8973.00	38.53	7.06	43.01	43.44	46.02	68.20	22.18	Peak
3	11285.00	39.60	8.81	41.71	40.59	47.29	74.00	26.71	Peak
4	12560.00	40.21	9.21	40.16	38.51	47.77	74.00	26.23	Peak
5	14175.00	41.66	10.36	40.29	37.84	49.57	68.20	18.63	Peak
6	15603.00	39.08	11.38	42.50	39.98	47.94	74.00	26.06	Peak

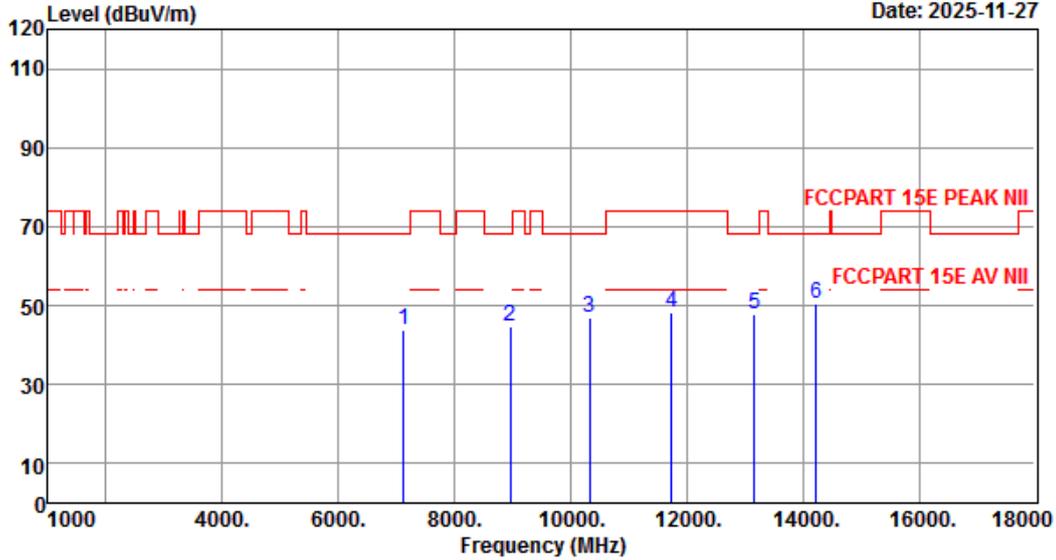
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 131 File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 131
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5320MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7120.00	36.77	6.68	43.38	43.95	44.02	68.20	24.18	Peak
2	8956.00	38.65	7.05	43.01	41.91	44.60	68.20	23.60	Peak
3	10333.00	39.53	8.33	42.46	41.43	46.83	68.20	21.37	Peak
4	11744.00	39.92	8.88	41.25	40.63	48.18	74.00	25.82	Peak
5	13172.00	40.61	9.56	39.57	37.42	48.02	68.20	20.18	Peak
6	14226.00	41.53	10.40	40.41	38.87	50.39	68.20	17.81	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

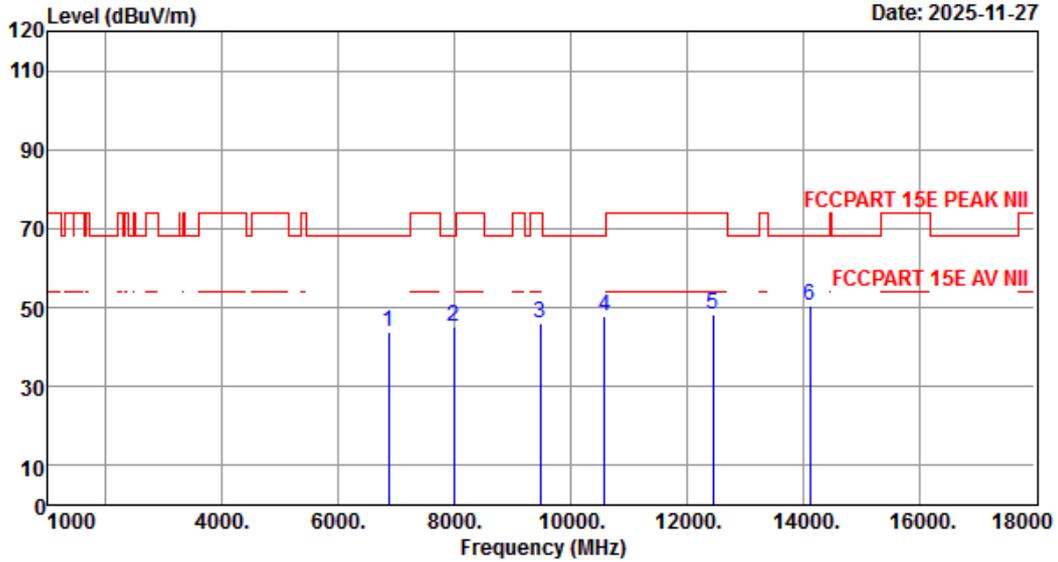
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 132

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 132
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5320MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	6865.00	35.57	6.54	43.40	44.91	43.62	68.20	24.58	Peak
2	7987.00	38.08	6.93	43.20	43.31	45.12	68.20	23.08	Peak
3	9483.00	39.17	7.57	42.86	42.20	46.08	74.00	27.92	Peak
4	10588.00	39.48	8.50	42.28	41.92	47.62	68.20	20.58	Peak
5	12458.00	40.19	9.15	40.31	39.30	48.33	74.00	25.67	Peak
6	14124.00	41.79	10.32	40.17	38.32	50.26	68.20	17.94	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

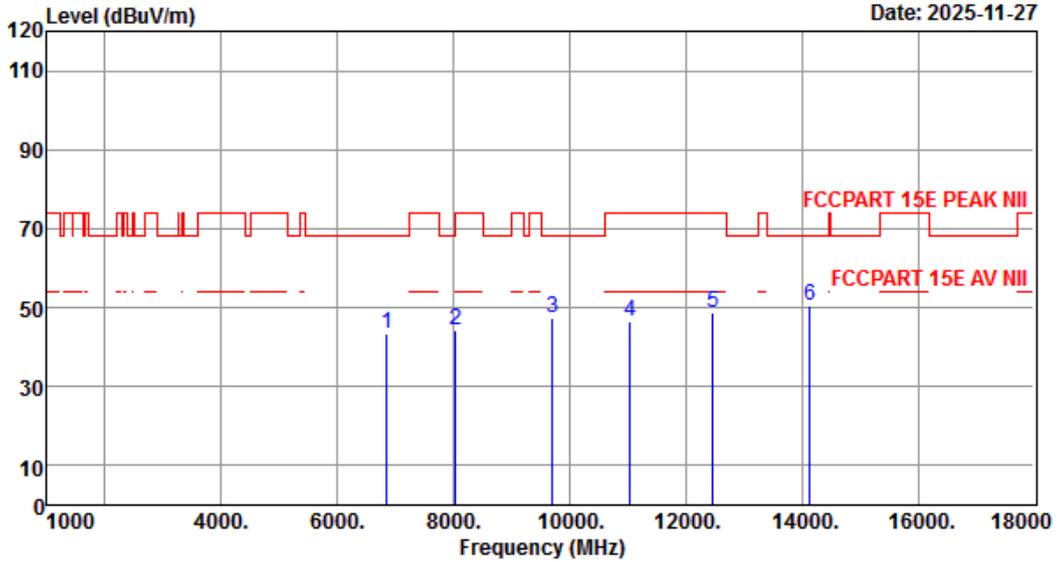
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan,Guangdong,China
Tel:+86-769-83081888
Fax:+86-769-83081878

Data: 133

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 133
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5500MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	6848.00	35.45	6.52	43.40	44.67	43.24	68.20	24.96	Peak
2	8038.00	38.00	6.94	43.19	42.58	44.33	74.00	29.67	Peak
3	9704.00	40.40	7.80	42.79	41.96	47.37	68.20	20.83	Peak
4	11047.00	39.44	8.78	41.95	40.30	46.57	74.00	27.43	Peak
5	12475.00	40.19	9.16	40.29	39.44	48.50	74.00	25.50	Peak
6	14141.00	41.75	10.33	40.21	38.58	50.45	68.20	17.75	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

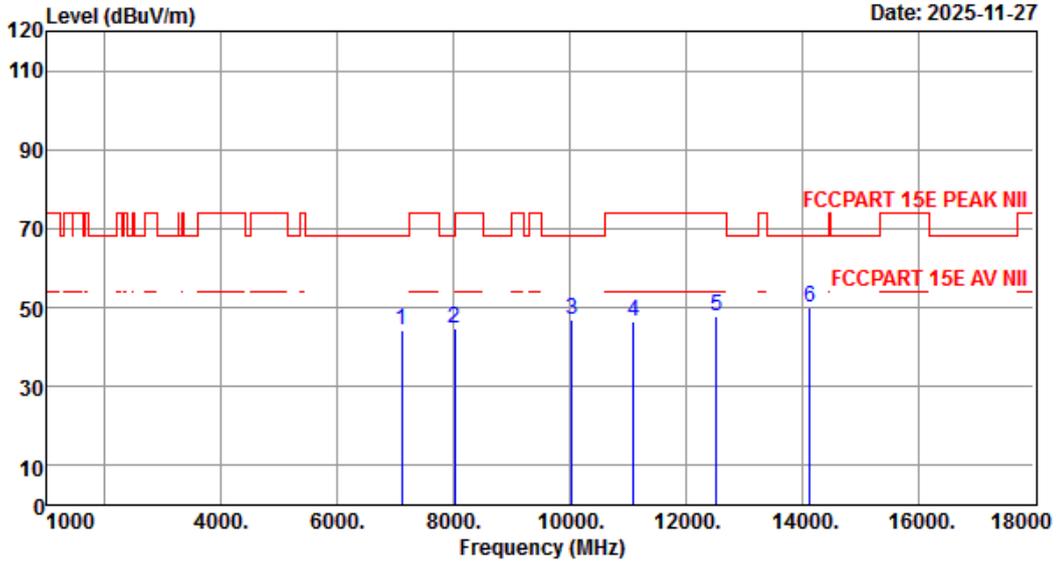
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 134

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 134
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5500MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7103.00	36.70	6.67	43.38	44.14	44.13	68.20	24.07	Peak
2	8021.00	38.10	6.94	43.20	42.72	44.56	68.20	23.64	Peak
3	10044.00	39.59	8.14	42.66	41.72	46.79	68.20	21.41	Peak
4	11098.00	39.47	8.79	41.90	40.22	46.58	74.00	27.42	Peak
5	12526.00	40.21	9.19	40.21	38.72	47.91	74.00	26.09	Peak
6	14141.00	41.75	10.33	40.21	37.97	49.84	68.20	18.36	Peak

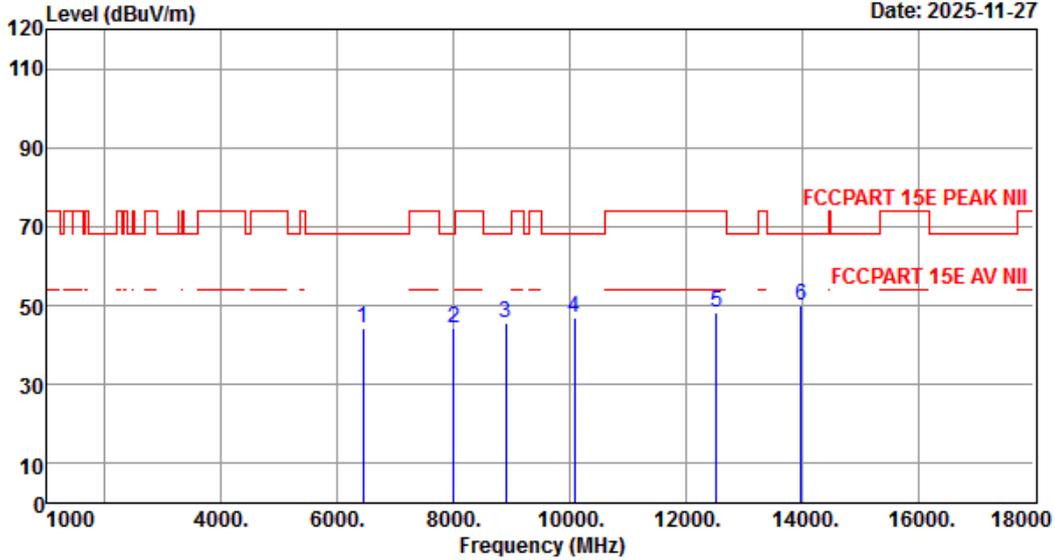
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 135 File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 135
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5700MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	6440.00	35.83	6.21	43.40	45.75	44.39	68.20	23.81	Peak
2	8004.00	38.20	6.94	43.20	42.33	44.27	68.20	23.93	Peak
3	8905.00	39.00	7.05	43.02	42.61	45.64	68.20	22.56	Peak
4	10078.00	39.58	8.17	42.64	41.64	46.75	68.20	21.45	Peak
5	12526.00	40.21	9.19	40.21	39.00	48.19	74.00	25.81	Peak
6	13988.00	42.07	10.21	39.89	37.71	50.10	68.20	18.10	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

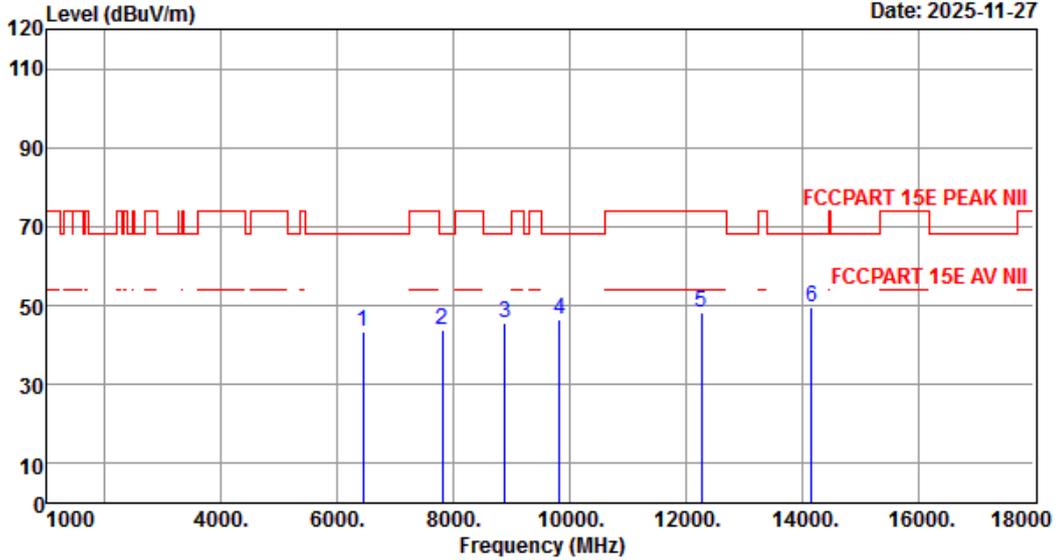
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan,Guangdong,China
Tel:+86-769-83081888
Fax:+86-769-83081878

Data: 136

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 136
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5700MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	6440.00	35.83	6.21	43.40	44.61	43.25	68.20	24.95	Peak
2	7800.00	36.60	6.88	43.24	43.66	43.90	68.20	24.30	Peak
3	8888.00	38.90	7.05	43.02	42.60	45.53	68.20	22.67	Peak
4	9823.00	39.72	7.93	42.75	41.63	46.53	68.20	21.67	Peak
5	12271.00	40.15	9.06	40.59	39.45	48.07	74.00	25.93	Peak
6	14175.00	41.66	10.36	40.29	37.86	49.59	68.20	18.61	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

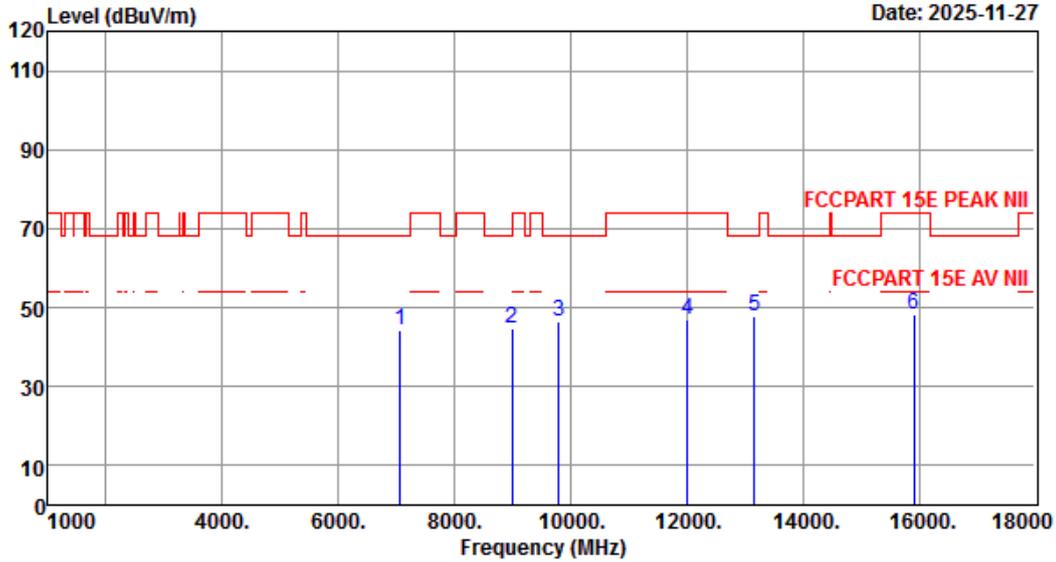
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 137

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 137
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5745MHz
 Sample No : EST-250411014-002

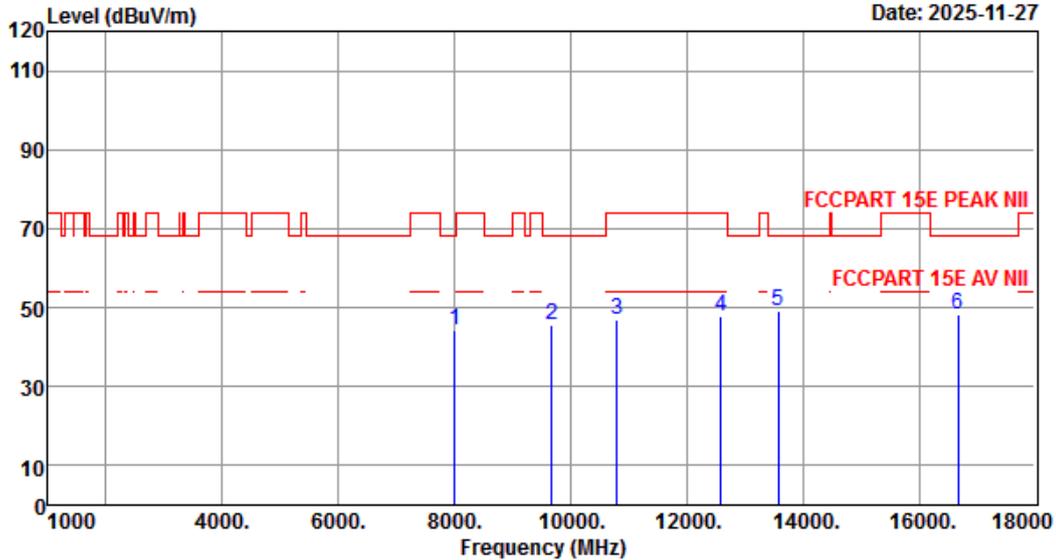
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7069.00	36.43	6.66	43.39	44.53	44.23	68.20	23.97	Peak
2	8990.00	38.42	7.06	43.00	42.29	44.77	68.20	23.43	Peak
3	9789.00	39.90	7.89	42.76	41.39	46.42	68.20	21.78	Peak
4	12016.00	40.10	8.93	40.97	39.07	47.13	74.00	26.87	Peak
5	13172.00	40.61	9.56	39.57	37.08	47.68	68.20	20.52	Peak
6	15909.00	38.86	11.56	42.66	40.32	48.08	74.00	25.92	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 138 File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144) Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 138
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5745MHz
 Sample No : EST-250411014-002

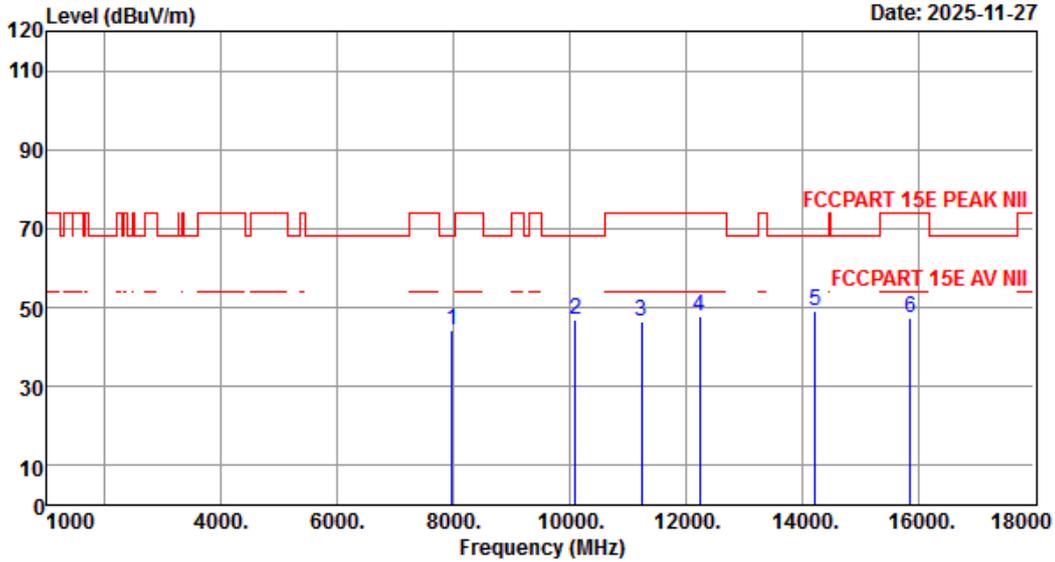
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	8004.00	38.20	6.94	43.20	42.55	44.49	68.20	23.71	Peak
2	9670.00	40.10	7.77	42.80	40.38	45.45	68.20	22.75	Peak
3	10792.00	39.44	8.64	42.14	40.80	46.74	74.00	27.26	Peak
4	12594.00	40.22	9.22	40.11	38.38	47.71	74.00	26.29	Peak
5	13580.00	41.34	9.89	39.73	37.73	49.23	68.20	18.97	Peak
6	16674.00	40.09	12.44	42.56	38.38	48.35	68.20	19.85	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 139 File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)



Site no. : 5# 966 Chamber Data no. : 139
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5580MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7970.00	37.97	6.93	43.21	42.51	44.20	68.20	24.00	Peak
2	10095.00	39.58	8.18	42.63	41.89	47.02	68.20	21.18	Peak
3	11234.00	39.57	8.81	41.76	39.78	46.40	74.00	27.60	Peak
4	12237.00	40.15	9.04	40.64	39.11	47.66	74.00	26.34	Peak
5	14226.00	41.53	10.40	40.41	37.84	49.36	68.20	18.84	Peak
6	15875.00	38.88	11.54	42.64	39.44	47.22	74.00	26.78	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

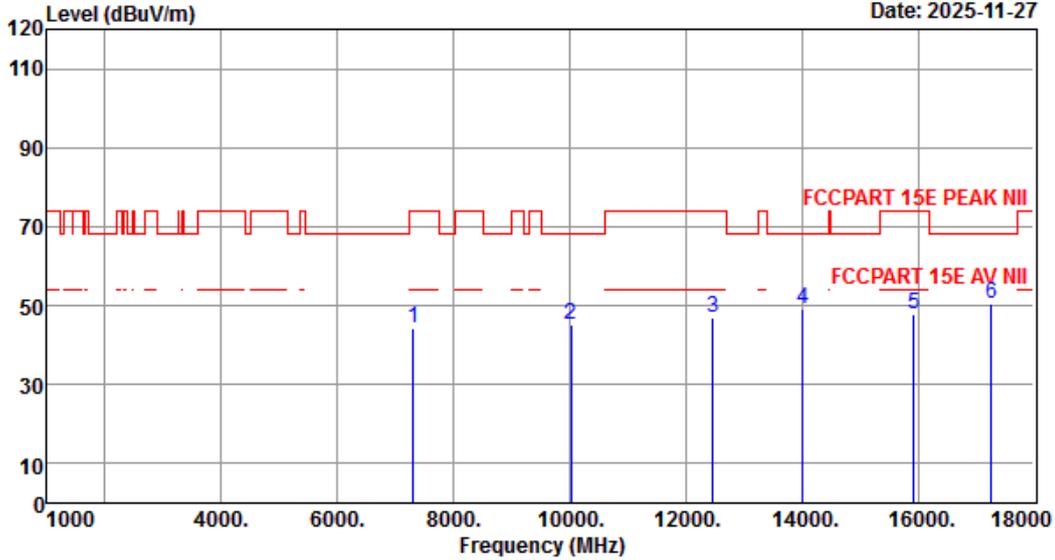
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan,Guangdong,China
Tel:+86-769-83081888
Fax:+86-769-83081878

Data: 140

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 140
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5580MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7307.00	36.20	6.73	43.34	44.57	44.16	74.00	29.84	Peak
2	10027.00	39.59	8.13	42.68	40.28	45.32	68.20	22.88	Peak
3	12475.00	40.19	9.16	40.29	37.80	46.86	74.00	27.14	Peak
4	14022.00	42.06	10.23	39.94	36.88	49.23	68.20	18.97	Peak
5	15926.00	38.85	11.57	42.67	39.93	47.68	74.00	26.32	Peak
6	17269.00	42.46	12.89	42.20	37.26	50.41	68.20	17.79	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

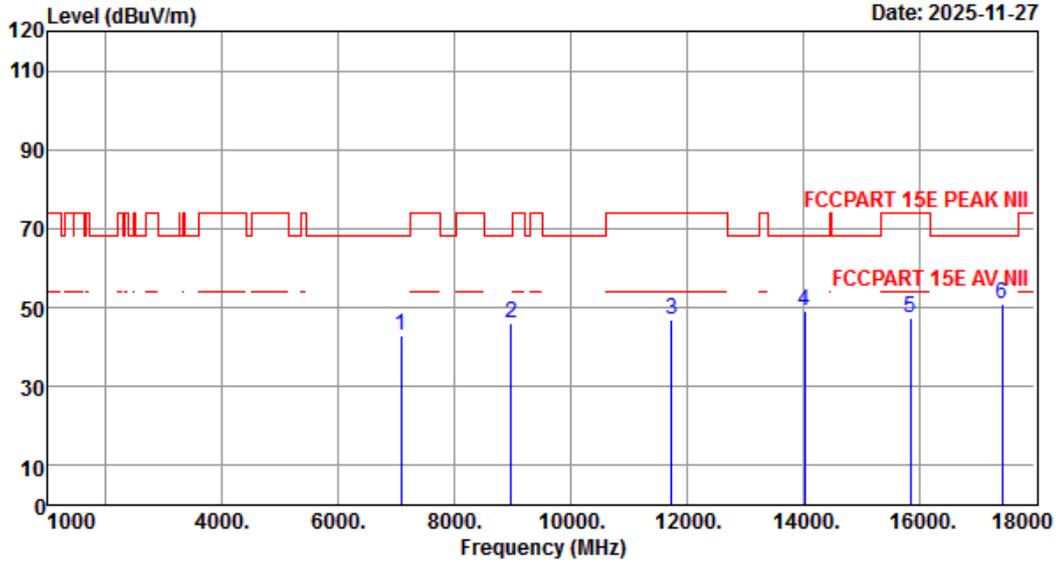
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan,Guangdong,China
Tel:+86-769-83081888
Fax:+86-769-83081878

Data: 141

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 141
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5785MHz
 Sample No : EST-250411014-002

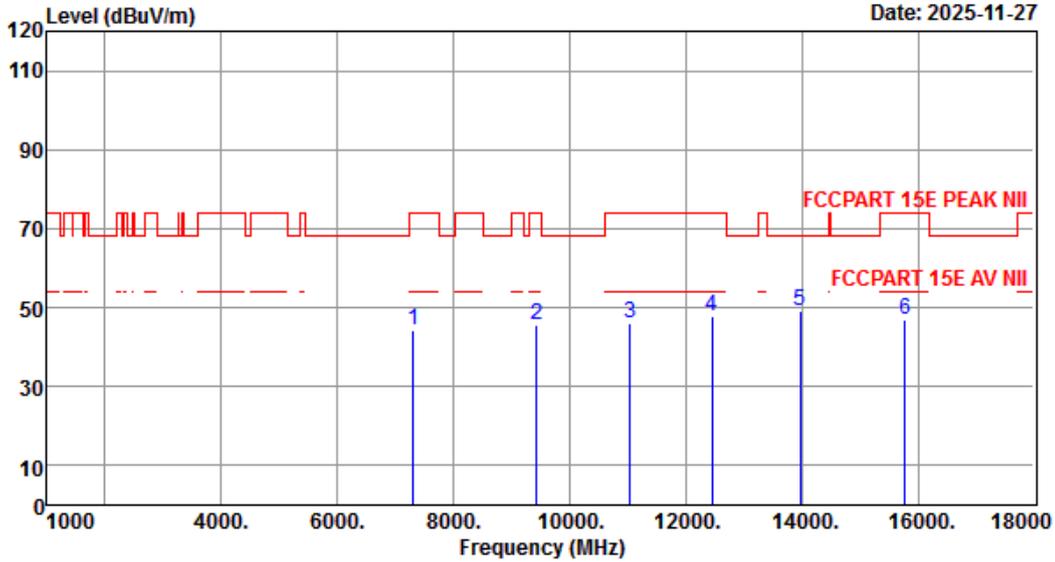
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7086.00	36.57	6.67	43.38	43.19	43.05	68.20	25.15	Peak
2	8973.00	38.53	7.06	43.01	43.27	45.85	68.20	22.35	Peak
3	11744.00	39.92	8.88	41.25	39.24	46.79	74.00	27.21	Peak
4	14039.00	42.01	10.25	39.98	37.04	49.32	68.20	18.88	Peak
5	15858.00	38.90	11.53	42.63	39.51	47.31	74.00	26.69	Peak
6	17439.00	43.56	12.92	42.02	36.33	50.79	68.20	17.41	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 142 File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144) Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 142
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5785MHz
 Sample No : EST-250411014-002

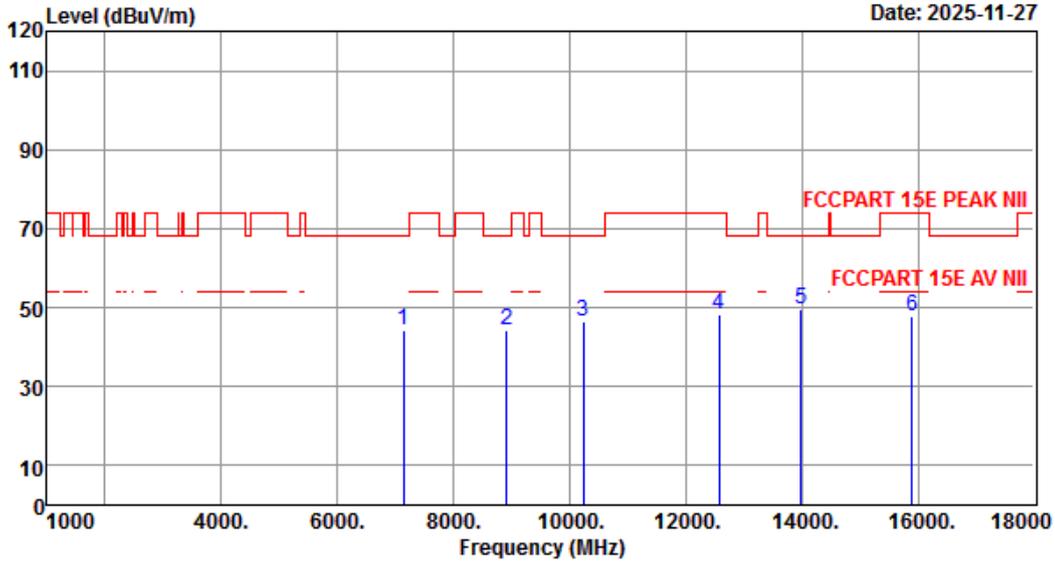
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7307.00	36.20	6.73	43.34	44.55	44.14	74.00	29.86	Peak
2	9432.00	39.07	7.51	42.87	41.92	45.63	74.00	28.37	Peak
3	11047.00	39.44	8.78	41.95	39.74	46.01	74.00	27.99	Peak
4	12458.00	40.19	9.15	40.31	38.70	47.73	74.00	26.27	Peak
5	13971.00	42.04	10.19	39.89	36.82	49.16	68.20	19.04	Peak
6	15773.00	38.96	11.48	42.59	39.29	47.14	74.00	26.86	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 143 File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)



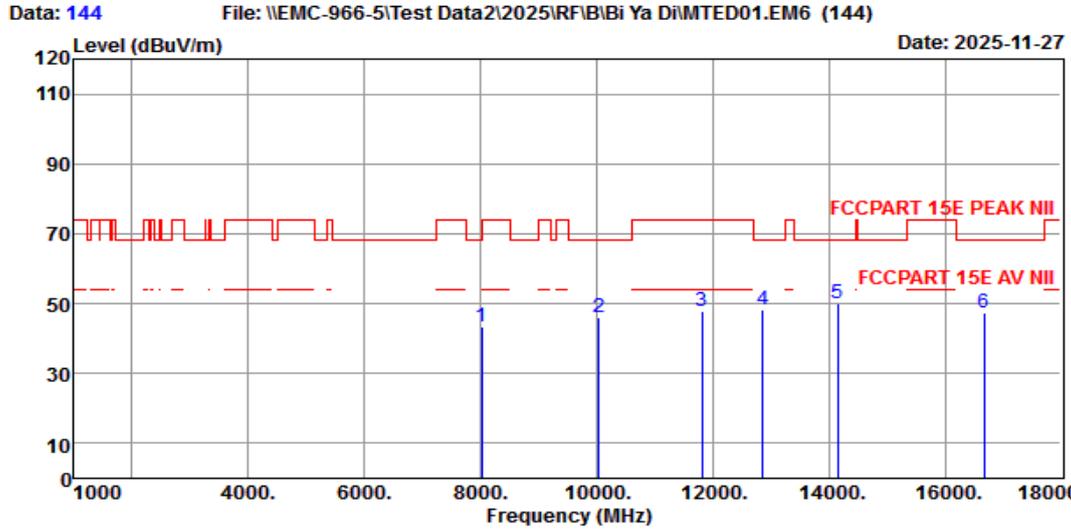
Site no. : 5# 966 Chamber Data no. : 143
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5825MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	7137.00	36.83	6.68	43.37	44.13	44.27	68.20	23.93	Peak
2	8922.00	38.88	7.05	43.02	41.50	44.41	68.20	23.79	Peak
3	10231.00	39.55	8.27	42.53	41.30	46.59	68.20	21.61	Peak
4	12577.00	40.22	9.21	40.14	39.11	48.40	74.00	25.60	Peak
5	13988.00	42.07	10.21	39.89	37.08	49.47	68.20	18.73	Peak
6	15892.00	38.87	11.55	42.65	39.89	47.66	74.00	26.34	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878



Site no. : 5# 966 Chamber Data no. : 144
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5825MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	8021.00	38.10	6.94	43.20	41.58	43.42	68.20	24.78	Peak
2	10044.00	39.59	8.14	42.66	40.88	45.95	68.20	22.25	Peak
3	11812.00	39.97	8.89	41.19	40.20	47.87	74.00	26.13	Peak
4	12866.00	40.27	9.36	39.70	38.15	48.08	68.20	20.12	Peak
5	14158.00	41.70	10.35	40.25	38.11	49.91	68.20	18.29	Peak
6	16674.00	40.09	12.44	42.56	37.33	47.30	68.20	20.90	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

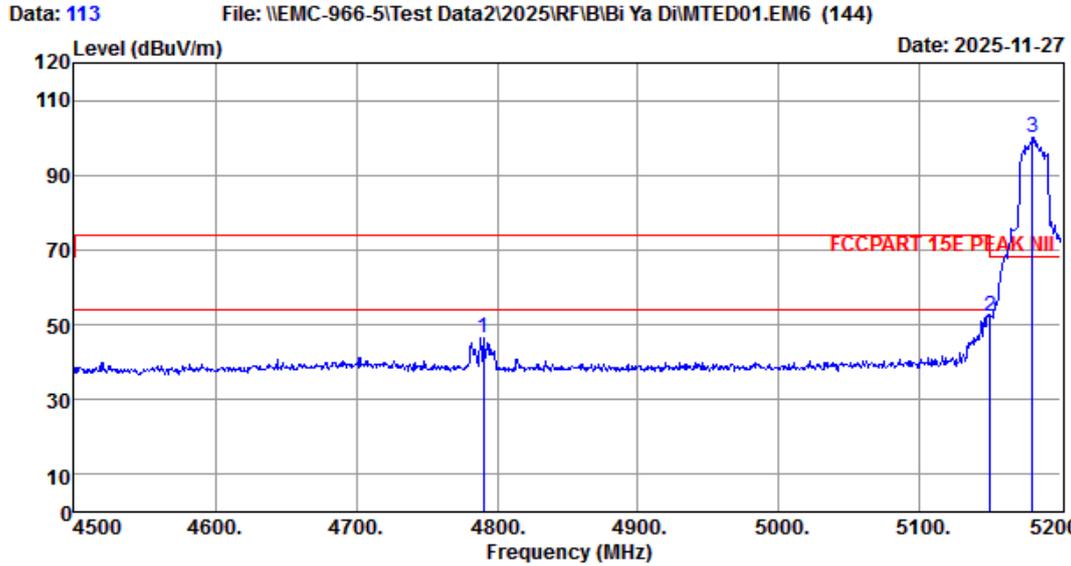
Note:

1. The amplitude of 18GHz to 40GHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.
2. All test mode had been pre-test, only Low/Middle/High Channel of the worst case modulation mode was reported

Band Edge

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878



Site no. : site Data no. : 113
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5180MHz
 Sample No : EST-250411014-002

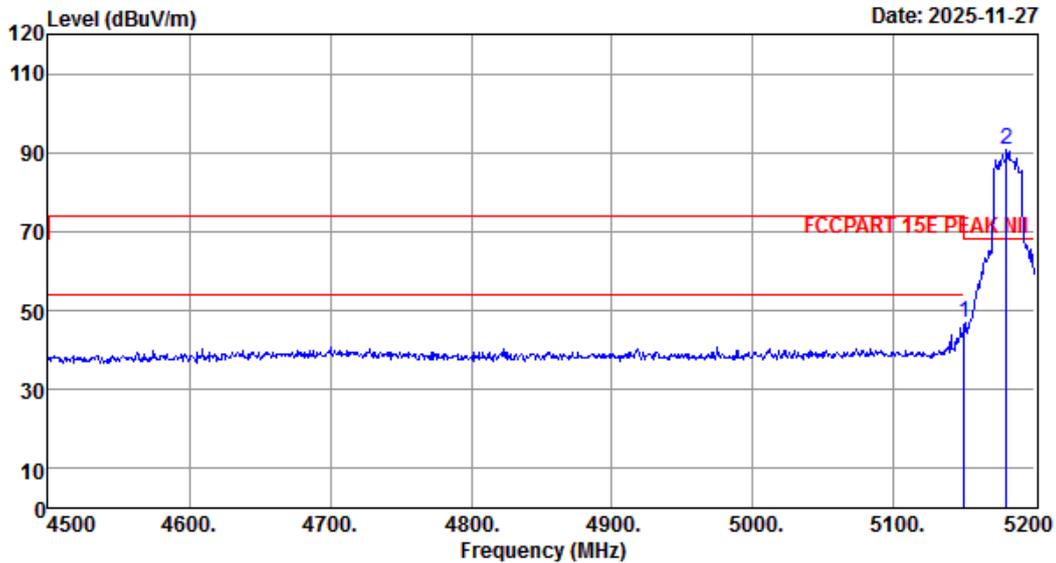
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4790.50	31.87	5.28	43.24	52.61	46.52	74.00	27.48	Peak
2	5150.00	32.55	5.46	43.23	57.67	52.45	68.20	15.75	Peak
3	5179.70	32.58	5.48	43.24	105.26	100.08	68.20	-31.88	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan,Guangdong,China
Tel:+86-769-83081888
Fax:+86-769-83081878

Data: 114 File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)



Site no. : 5# 966 Chamber Data no. : 114
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5180MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5150.00	32.55	5.46	43.23	52.33	47.11	68.20	21.09	Peak
2	5179.70	32.58	5.48	43.24	96.17	90.99	68.20	-22.79	Peak

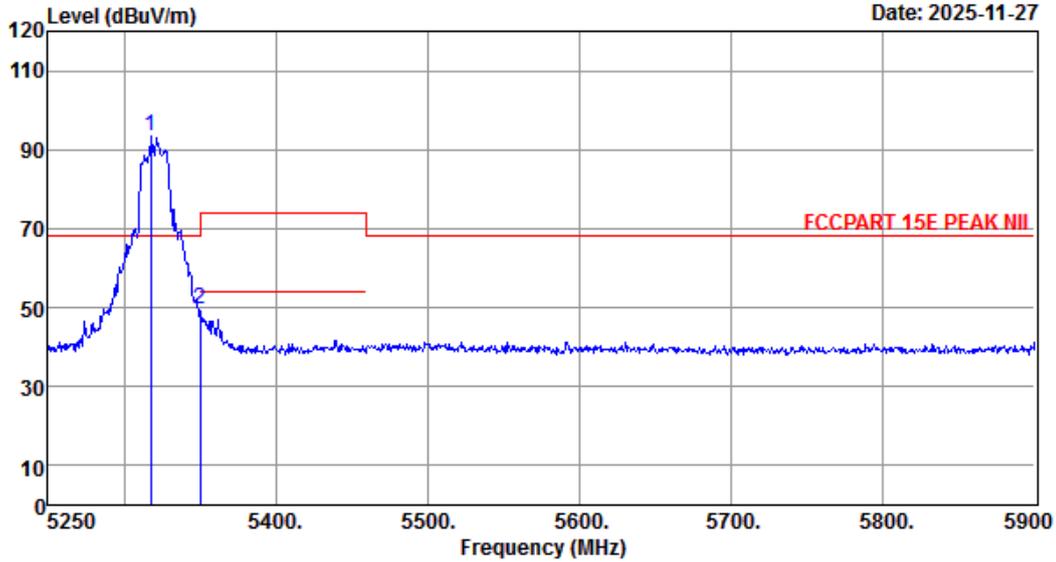
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan,Guangdong,China
Tel:+86-769-83081888
Fax:+86-769-83081878

Data: 115 File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : site Data no. : 115
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5320MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5317.60	33.03	5.55	43.26	97.93	93.25	68.20	-25.05	Peak
2	5350.00	32.90	5.56	43.27	54.42	49.61	68.20	18.59	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

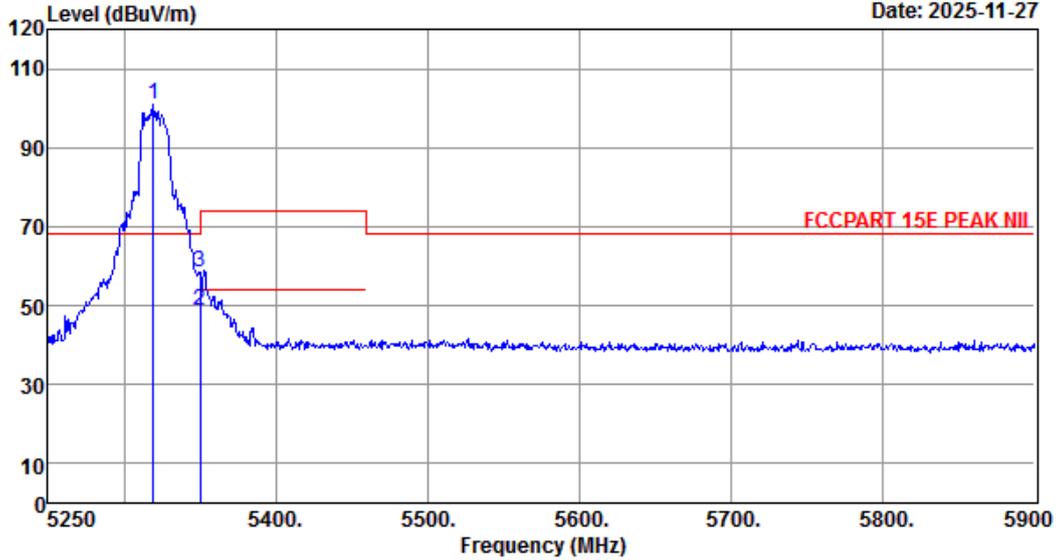
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 116

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 116
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5320MHz
 Sample No : EST-250411014-002

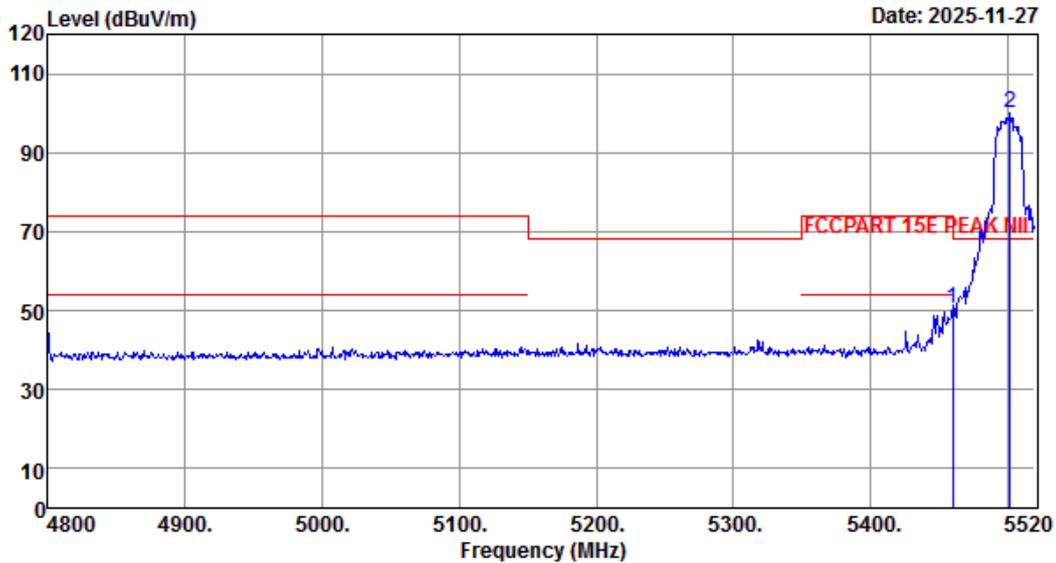
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5319.55	33.03	5.55	43.26	105.42	100.74	68.20	-32.54	Peak
2	5350.00	32.90	5.56	43.27	53.63	48.82	54.00	5.18	Average
3	5350.00	32.90	5.56	43.27	63.28	58.47	68.20	9.73	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 117 File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)



Site no. : 5# 966 Chamber Data no. : 117
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5500MHz
 Sample No : EST-250411014-002

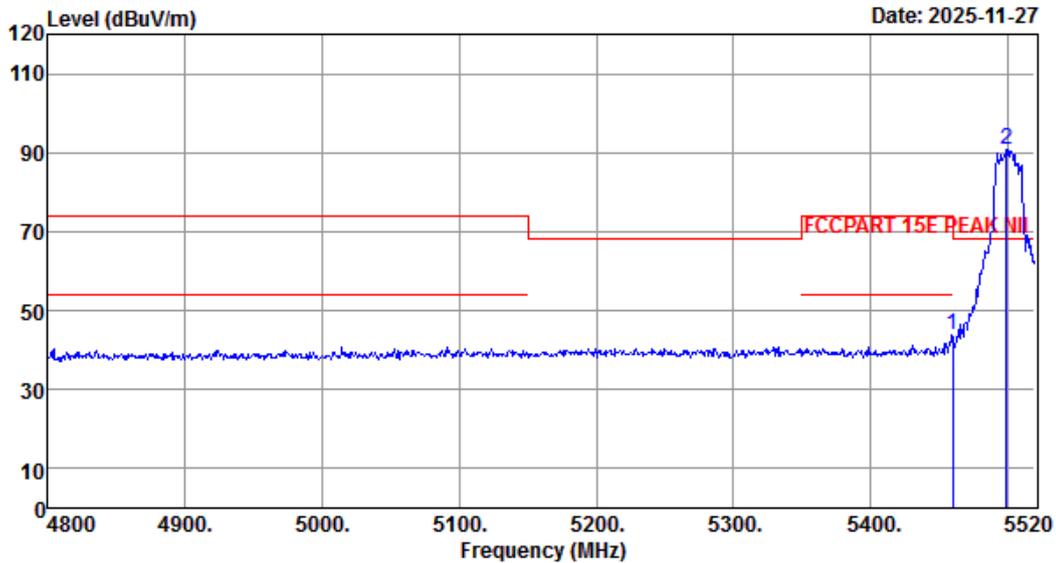
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.20	5.61	43.29	54.82	50.34	68.20	17.86	Peak
2	5502.00	33.70	5.64	43.30	104.09	100.13	68.20	-31.93	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 118 File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)



Site no. : 5# 966 Chamber Data no. : 118
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5500MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5460.00	33.20	5.61	43.29	48.27	43.79	68.20	24.41	Peak
2	5499.12	33.70	5.64	43.30	94.91	90.95	68.20	-22.75	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

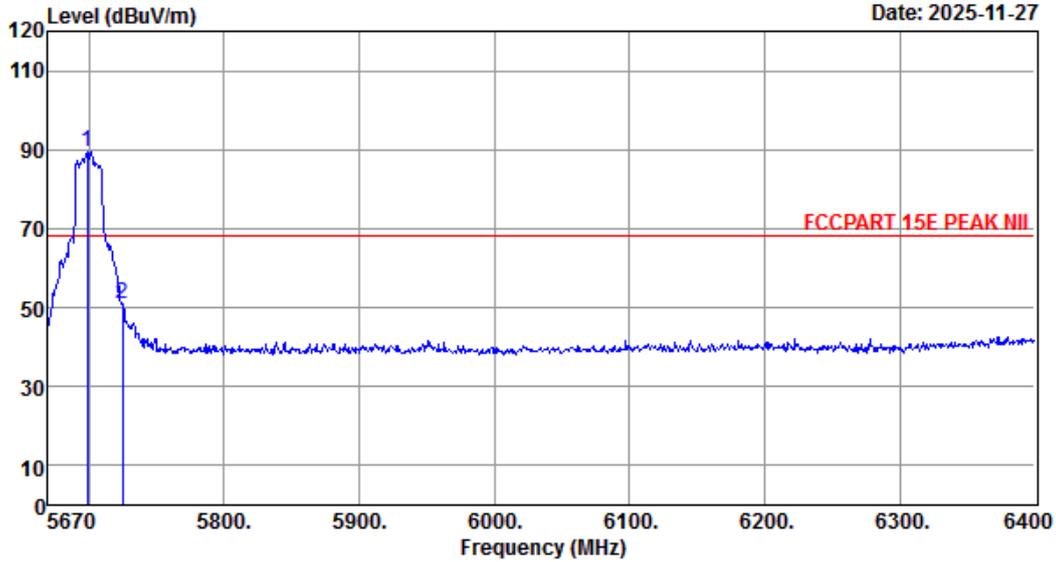
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan, Guangdong, China
Tel: +86-769-83081888
Fax: +86-769-83081878

Data: 119

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 119
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5700MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5699.20	33.00	5.73	43.34	94.25	89.64	68.20	-21.44	Peak
2	5725.00	33.13	5.75	43.35	55.58	51.11	68.20	17.09	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

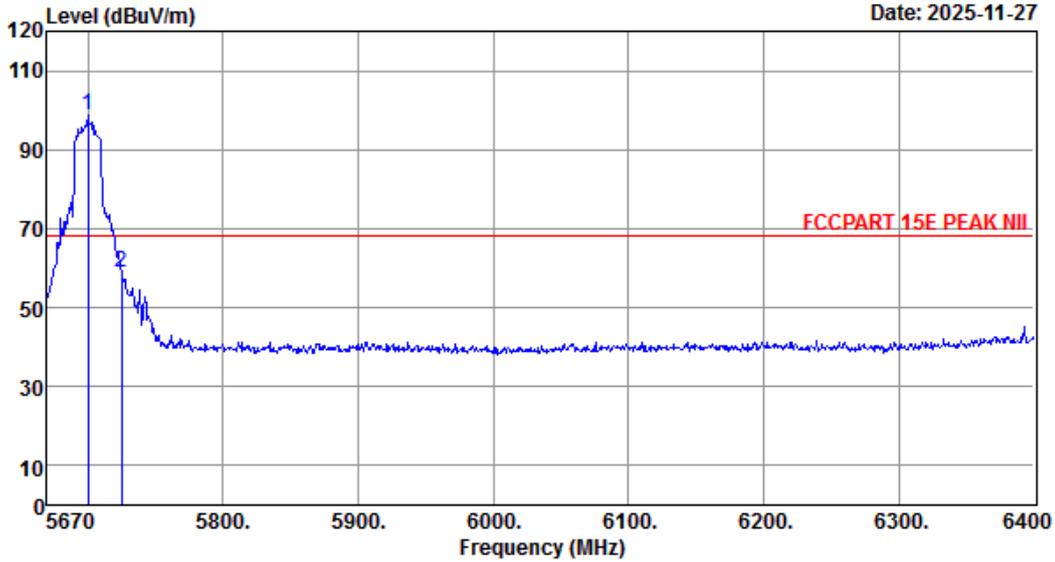
EST Technology

Chilingxiang, Qishantou, Santun,
Houjie, Dongguan,Guangdong,China
Tel:+86-769-83081888
Fax:+86-769-83081878

Data: 120

File: \\EMC-966-5\Test Data2\2025\RF\Bibi Ya Di\MTED01.EM6 (144)

Date: 2025-11-27



Site no. : 5# 966 Chamber Data no. : 120
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : FCCPART 15E PEAK NII
 Env. / Ins. : Temp:20.3°C;Humi:48%;Press:101.55kPa
 Engineer : Aron Zhang
 EUT : Central Computing Platform
 Power : DC 12V From Battery
 M/N : MTED01
 Test Mode : IEEE 802.11be EHT20 TX 5700MHz
 Sample No : EST-250411014-002

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5699.93	33.00	5.73	43.34	103.16	98.55	68.20	-30.35	Peak
2	5725.00	33.13	5.75	43.35	63.40	58.93	68.20	9.27	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

Band 4

Refer to Appendix E of Appendix FCC ID 5G Wi-Fi (the test data).

18000MHz-40000MHz

Pass

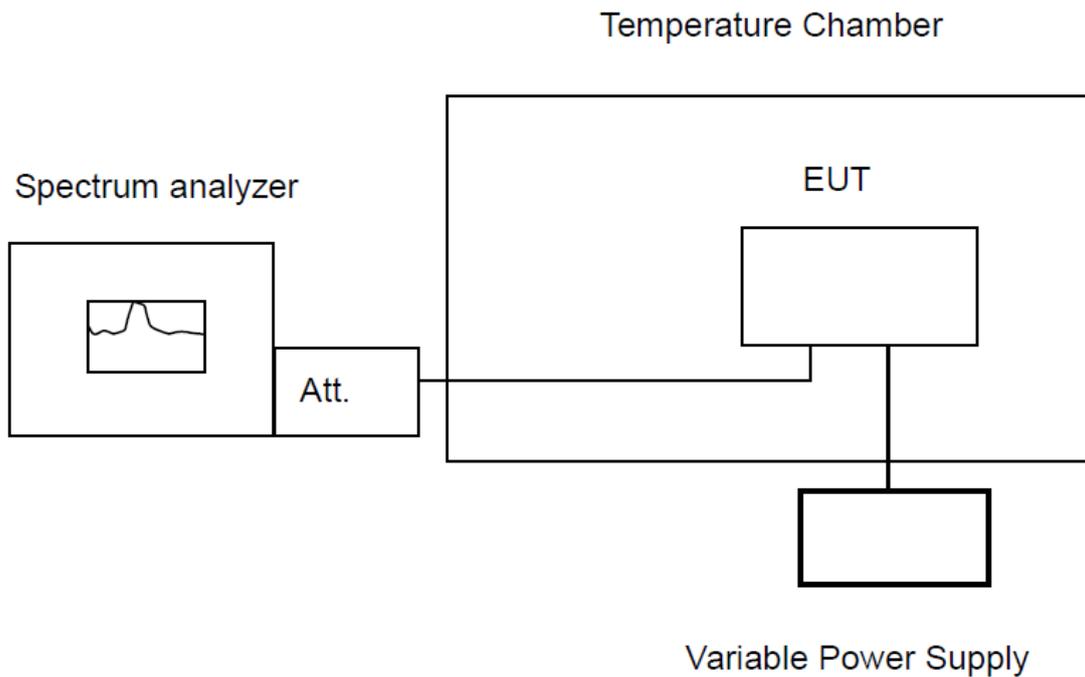
Note: The amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

7.FREQUENCY STABILITY

7.1.Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the operational description.

7.2.Test Setup



7.3.Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	10KHz
VBW	10KHz
Span	200KHz
Sweep Time	Auto
Detector	PEAK
Trace Mode	Max Hold

7.4.Test Procedure

For measurement frequency stability under temperature variation :

- a. Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT.
- b. Turn the EUT OFF and place it inside the environmental temperature chamber.
- c. Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- d. Spectrum analyzer setting parameters in accordance with section 7.3.
- e. Set the temperature control on the chamber to the Specified temperature and allow the oscillator heater and the chamber temperature to stabilize.
- f. Turn the EUT ON with the rated voltage, and the EUT transmit continuously with maximum output power.
- g. Record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized.
- h. Repeat step d through step f to measured the temperature form -20°C to $+50^{\circ}\text{C}$ in 10°C steps.

For frequency stability under voltage variation:

- a. Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT.
- b. Turn the EUT OFF and place it inside the environmental temperature chamber.
- c. Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- d. Spectrum analyzer setting parameters in accordance with section 7.3.
- e. Unless otherwise specified, set the temperature control on the chamber to the ambient room temperature ($+15^{\circ}\text{C}$ to $+25^{\circ}\text{C}$) and allow the oscillator heater and the chamber temperature to stabilize.
- f. Turn the EUT ON with the rated voltage, and the EUT transmit continuously with maximum output power.
- g. Record the operating frequency.
- h. Repeat step d through step f to measured the varied from 85% to 115% of the rated voltage.

7.5.Test Result

Refer to Appendix F of Appendix FCC ID 5G Wi-Fi (the test data).

8.ANTENNA REQUIREMENTS

8.1.Limit

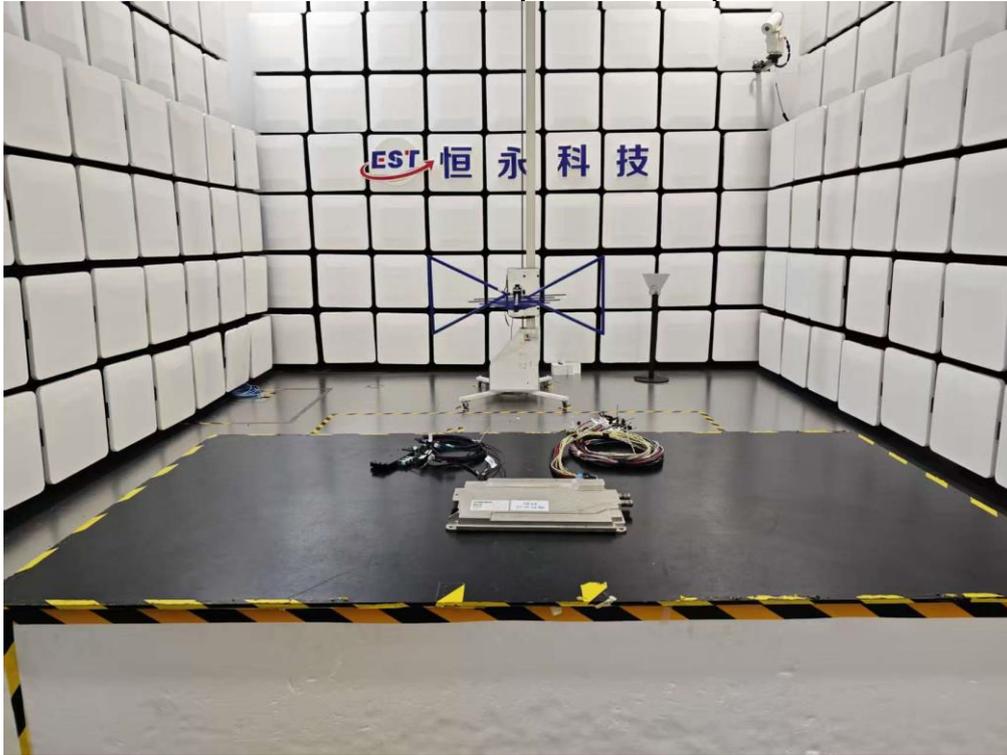
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

8.2.Test Result

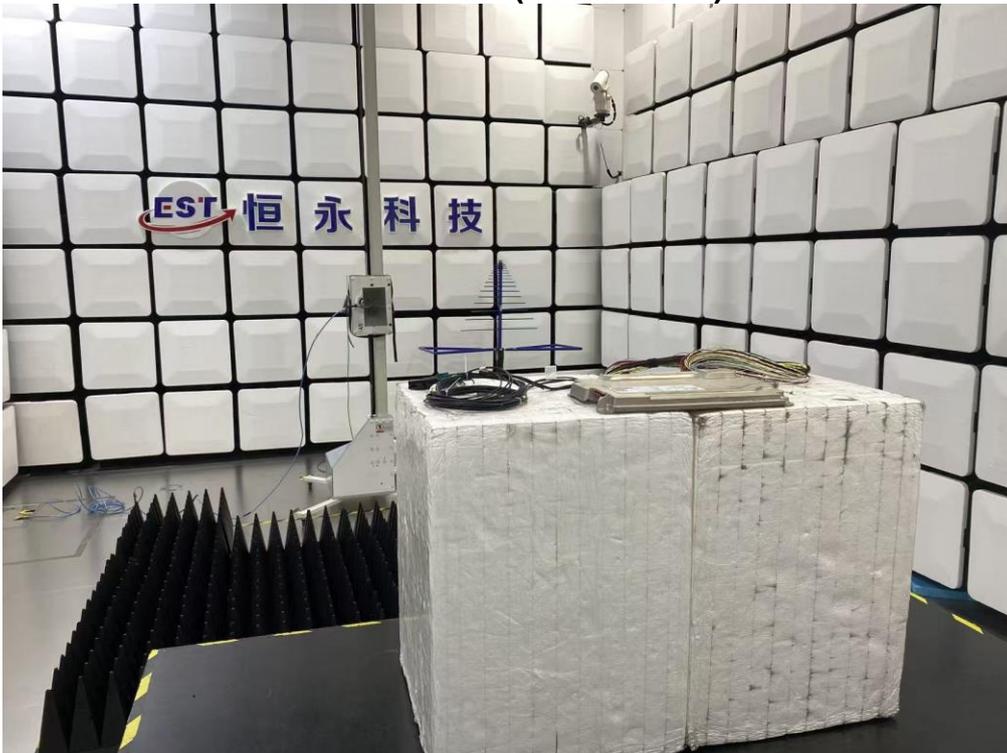
The antennas used for this product is internal antenna, so compliance with antenna requirements. (Please refer to the EUT photo for details)

9.TEST SETUP PHOTO

Radiated Test (Below 1GHz)



Radiated Test (Above 1GHz)



10.EUT PHOTO

Refer to report no. ESTE-R2512200

End of Test Report

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.400	5170.840	5189.240	---	---
11A	Ant1	5200	18.280	5190.880	5209.160	---	---
11A	Ant1	5240	18.080	5231.000	5249.080	---	---
11A	Ant1	5260	18.240	5251.040	5269.280	---	---
11A	Ant1	5300	18.400	5290.880	5309.280	---	---
11A	Ant1	5320	18.320	5310.920	5329.240	---	---
11A	Ant1	5500	18.200	5491.000	5509.200	---	---
11A	Ant1	5580	18.120	5571.040	5589.160	---	---
11A	Ant1	5700	18.480	5690.640	5709.120	---	---
11A	Ant1	5745	18.200	5736.080	5754.280	---	---
11A	Ant1	5785	18.160	5775.960	5794.120	---	---
11A	Ant1	5825	18.280	5815.840	5834.120	---	---
11N20SISO	Ant1	5180	19.000	5170.640	5189.640	---	---
11N20SISO	Ant1	5200	18.920	5190.600	5209.520	---	---
11N20SISO	Ant1	5240	18.800	5230.640	5249.440	---	---
11N20SISO	Ant1	5260	18.880	5250.640	5269.520	---	---
11N20SISO	Ant1	5300	18.800	5290.640	5309.440	---	---
11N20SISO	Ant1	5320	18.960	5310.560	5329.520	---	---
11N20SISO	Ant1	5500	18.840	5490.640	5509.480	---	---
11N20SISO	Ant1	5580	18.880	5570.600	5589.480	---	---
11N20SISO	Ant1	5700	18.960	5690.560	5709.520	---	---
11N20SISO	Ant1	5745	18.920	5735.600	5754.520	---	---
11N20SISO	Ant1	5785	18.840	5775.720	5794.560	---	---
11N20SISO	Ant1	5825	19.000	5815.560	5834.560	---	---
11N40SISO	Ant1	5190	38.160	5170.960	5209.120	---	---
11N40SISO	Ant1	5230	38.480	5210.800	5249.280	---	---
11N40SISO	Ant1	5270	38.400	5250.800	5289.200	---	---
11N40SISO	Ant1	5310	38.320	5290.880	5329.200	---	---
11N40SISO	Ant1	5510	38.320	5490.960	5529.280	---	---
11N40SISO	Ant1	5590	38.240	5570.960	5609.200	---	---
11N40SISO	Ant1	5670	38.400	5650.880	5689.280	---	---
11N40SISO	Ant1	5755	38.160	5735.960	5774.120	---	---
11N40SISO	Ant1	5795	38.080	5775.960	5814.040	---	---
11AC20SISO	Ant1	5180	18.840	5170.720	5189.560	---	---
11AC20SISO	Ant1	5200	18.960	5190.560	5209.520	---	---



11AC20SISO	Ant1	5240	18.800	5230.680	5249.480	---	---
11AC20SISO	Ant1	5260	18.840	5250.640	5269.480	---	---
11AC20SISO	Ant1	5300	19.000	5290.640	5309.640	---	---
11AC20SISO	Ant1	5320	18.920	5310.680	5329.600	---	---
11AC20SISO	Ant1	5500	18.920	5490.680	5509.600	---	---
11AC20SISO	Ant1	5580	18.920	5570.600	5589.520	---	---
11AC20SISO	Ant1	5700	18.800	5690.720	5709.520	---	---
11AC20SISO	Ant1	5745	18.960	5735.600	5754.560	---	---
11AC20SISO	Ant1	5785	18.880	5775.680	5794.560	---	---
11AC20SISO	Ant1	5825	18.920	5815.720	5834.640	---	---
11AC40SISO	Ant1	5190	38.480	5170.800	5209.280	---	---
11AC40SISO	Ant1	5230	38.240	5210.960	5249.200	---	---
11AC40SISO	Ant1	5270	38.000	5251.120	5289.120	---	---
11AC40SISO	Ant1	5310	38.160	5290.960	5329.120	---	---
11AC40SISO	Ant1	5510	38.240	5491.040	5529.280	---	---
11AC40SISO	Ant1	5590	38.160	5571.040	5609.200	---	---
11AC40SISO	Ant1	5670	38.400	5650.880	5689.280	---	---
11AC40SISO	Ant1	5755	38.320	5735.960	5774.280	---	---
11AC40SISO	Ant1	5795	38.080	5776.120	5814.200	---	---
11AC80SISO	Ant1	5210	79.040	5170.480	5249.520	---	---
11AC80SISO	Ant1	5290	78.880	5250.480	5329.360	---	---
11AC80SISO	Ant1	5530	79.360	5490.320	5569.680	---	---
11AC80SISO	Ant1	5610	78.880	5570.640	5649.520	---	---
11AC80SISO	Ant1	5775	79.360	5735.320	5814.680	---	---
11AC160SISO	Ant1	5250	160.000	5170.000	5330.000	---	---
11AC160SISO	Ant1	5250_UNII-1	80	5170.000	5250	---	---
11AC160SISO	Ant1	5250_UNII-2A	80	5250	5330.000	---	---
11AC160SISO	Ant1	5570	160.000	5490.000	5650.000	---	---
11AX20SISO	Ant1	5180	19.680	5170.240	5189.920	---	---
11AX20SISO	Ant1	5200	19.680	5190.240	5209.920	---	---
11AX20SISO	Ant1	5240	19.840	5230.160	5250.000	---	---
11AX20SISO	Ant1	5260	19.760	5250.200	5269.960	---	---
11AX20SISO	Ant1	5300	19.840	5290.120	5309.960	---	---
11AX20SISO	Ant1	5320	19.840	5310.160	5330.000	---	---
11AX20SISO	Ant1	5500	19.840	5490.160	5510.000	---	---
11AX20SISO	Ant1	5580	19.760	5570.200	5589.960	---	---
11AX20SISO	Ant1	5700	19.760	5690.200	5709.960	---	---
11AX20SISO	Ant1	5745	19.800	5735.280	5755.080	---	---
11AX20SISO	Ant1	5785	19.840	5775.160	5795.000	---	---
11AX20SISO	Ant1	5825	19.880	5815.120	5835.000	---	---
11AX40SISO	Ant1	5190	39.440	5170.400	5209.840	---	---
11AX40SISO	Ant1	5230	39.360	5210.320	5249.680	---	---
11AX40SISO	Ant1	5270	39.360	5250.400	5289.760	---	---

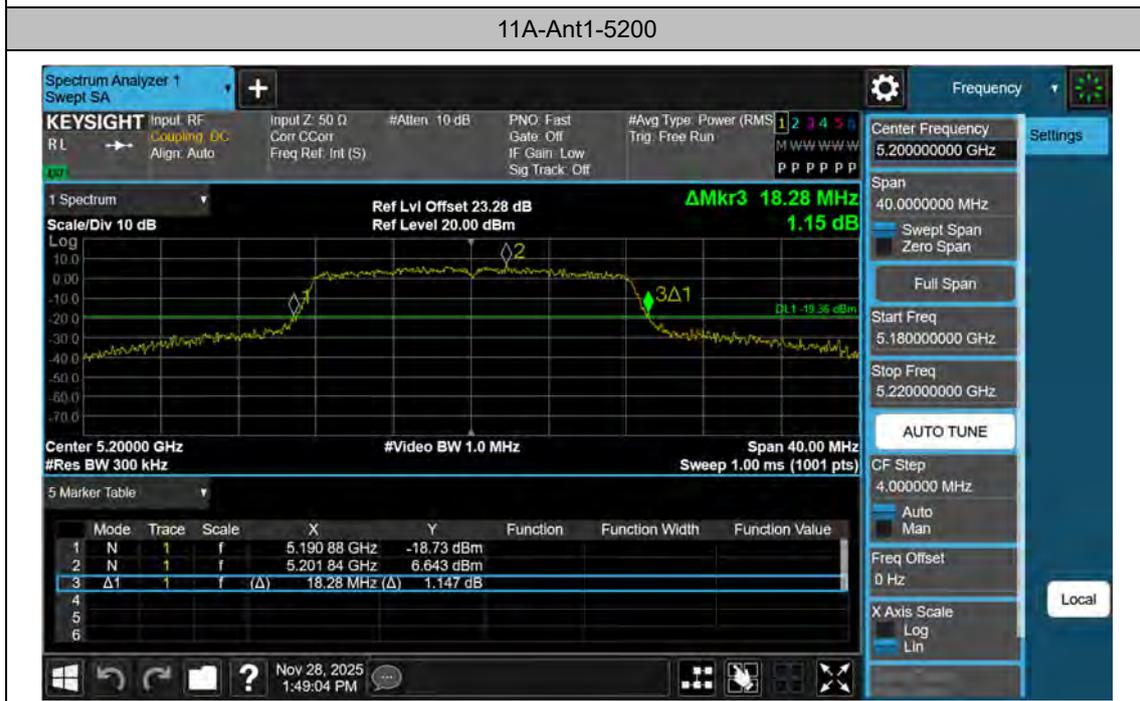
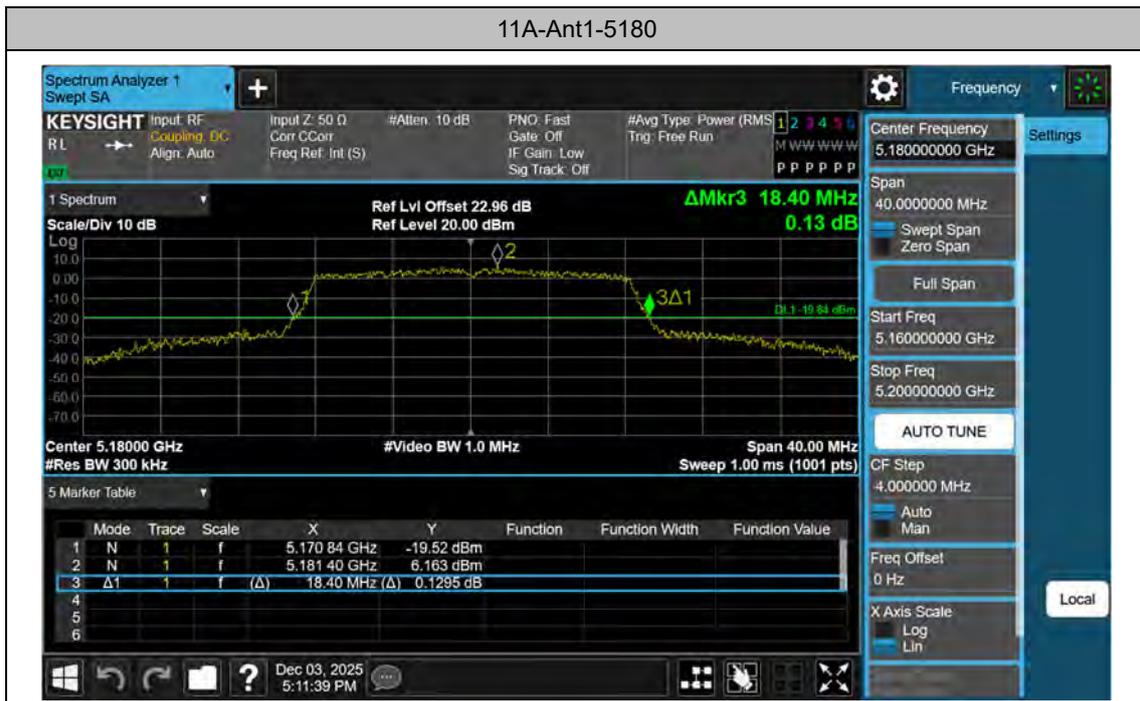


11AX40SISO	Ant1	5310	39.360	5290.480	5329.840	---	---
11AX40SISO	Ant1	5510	39.120	5490.480	5529.600	---	---
11AX40SISO	Ant1	5590	39.360	5570.400	5609.760	---	---
11AX40SISO	Ant1	5670	39.360	5650.480	5689.840	---	---
11AX40SISO	Ant1	5755	39.520	5735.240	5774.760	---	---
11AX40SISO	Ant1	5795	39.360	5775.320	5814.680	---	---
11AX80SISO	Ant1	5210	79.840	5170.160	5250.000	---	---
11AX80SISO	Ant1	5290	80.160	5250.000	5330.160	---	---
11AX80SISO	Ant1	5530	80.000	5490.160	5570.160	---	---
11AX80SISO	Ant1	5610	79.840	5570.160	5650.000	---	---
11AX80SISO	Ant1	5775	80.000	5735.160	5815.160	---	---
11AX160SISO	Ant1	5250	161.600	5169.360	5330.960	---	---
11AX160SISO	Ant1	5250_UNII-1	80.64	5169.360	5250	---	---
11AX160SISO	Ant1	5250_UNII-2A	80.96	5250	5330.960	---	---
11AX160SISO	Ant1	5570	161.600	5489.360	5650.960	---	---
11BE20SISO	Ant1	5180	19.840	5170.160	5190.000	---	---
11BE20SISO	Ant1	5200	19.800	5190.160	5209.960	---	---
11BE20SISO	Ant1	5240	19.800	5230.160	5249.960	---	---
11BE20SISO	Ant1	5260	19.800	5250.160	5269.960	---	---
11BE20SISO	Ant1	5300	19.880	5290.160	5310.040	---	---
11BE20SISO	Ant1	5320	19.760	5310.160	5329.920	---	---
11BE20SISO	Ant1	5500	19.800	5490.160	5509.960	---	---
11BE20SISO	Ant1	5580	19.800	5570.160	5589.960	---	---
11BE20SISO	Ant1	5700	19.880	5690.120	5710.000	---	---
11BE20SISO	Ant1	5745	19.760	5735.160	5754.920	---	---
11BE20SISO	Ant1	5785	19.800	5775.160	5794.960	---	---
11BE20SISO	Ant1	5825	19.840	5815.160	5835.000	---	---
11BE40SISO	Ant1	5190	39.360	5170.400	5209.760	---	---
11BE40SISO	Ant1	5230	39.440	5210.400	5249.840	---	---
11BE40SISO	Ant1	5270	39.280	5250.400	5289.680	---	---
11BE40SISO	Ant1	5310	39.360	5290.480	5329.840	---	---
11BE40SISO	Ant1	5510	39.440	5490.400	5529.840	---	---
11BE40SISO	Ant1	5590	39.440	5570.400	5609.840	---	---
11BE40SISO	Ant1	5670	39.440	5650.400	5689.840	---	---
11BE40SISO	Ant1	5755	39.440	5735.320	5774.760	---	---
11BE40SISO	Ant1	5795	39.520	5775.240	5814.760	---	---
11BE80SISO	Ant1	5210	80.000	5170.160	5250.160	---	---
11BE80SISO	Ant1	5290	80.160	5250.000	5330.160	---	---
11BE80SISO	Ant1	5530	79.840	5490.160	5570.000	---	---
11BE80SISO	Ant1	5610	79.840	5570.160	5650.000	---	---
11BE80SISO	Ant1	5775	80.000	5735.000	5815.000	---	---
11BE160SISO	Ant1	5250	161.600	5169.360	5330.960	---	---
11BE160SISO	Ant1	5250_UNII-1	80.64	5169.360	5250	---	---



11BE160SISO	Ant1	5250_UNII-2A	80.96	5250	5330.960	---	---
11BE160SISO	Ant1	5570	161.600	5489.360	5650.960	---	---

Test Graphs



11A-Ant1-5240



11A-Ant1-5260



11A-Ant1-5300



11A-Ant1-5320



11A-Ant1-5500



11A-Ant1-5580



11A-Ant1-5700



11A-Ant1-5745



11A-Ant1-5785



11A-Ant1-5825



11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



11N20SISO-Ant1-5240



11N20SISO-Ant1-5260



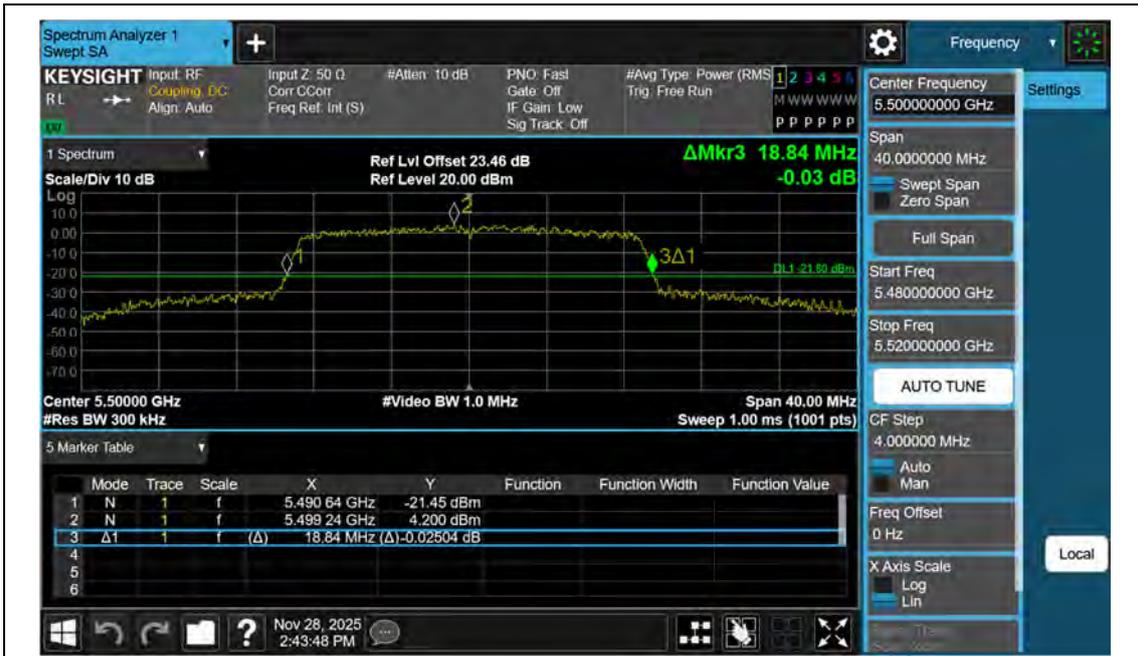
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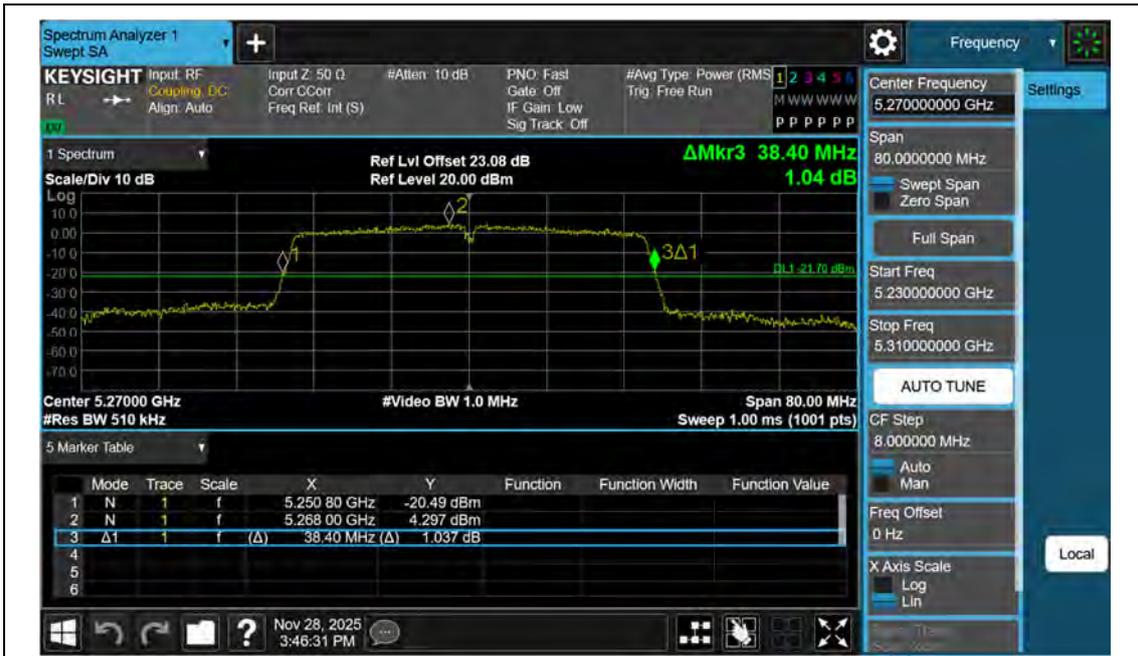
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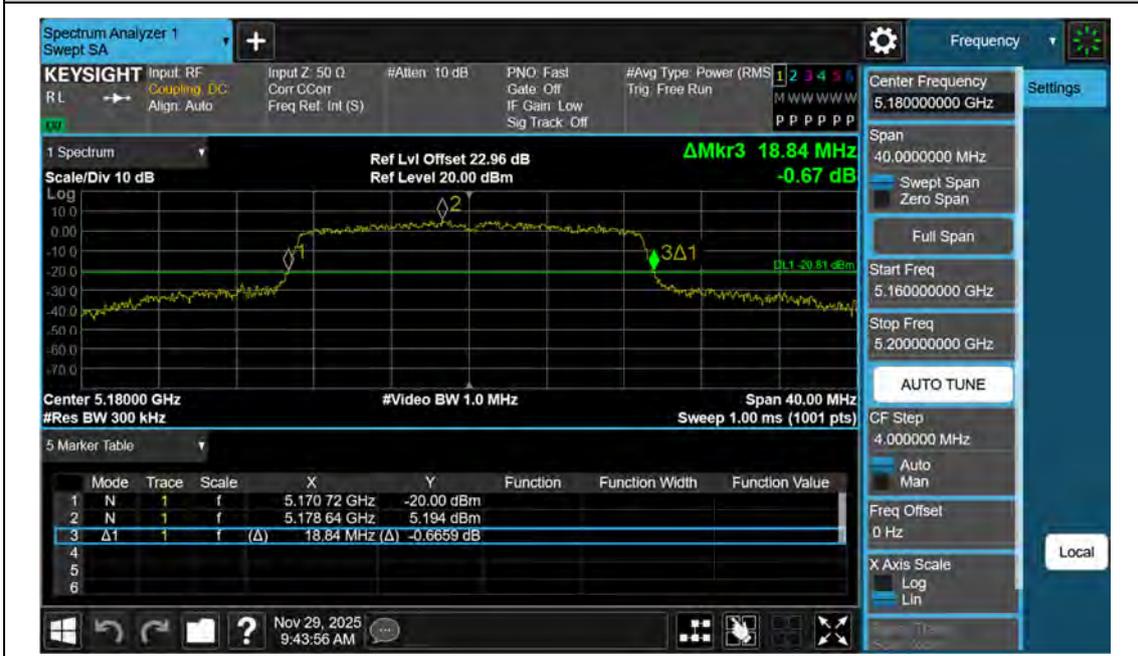
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11AC20SISO-Ant1-5260



11AC20SISO-Ant1-5300



11AC20SISO-Ant1-5320



11AC20SISO-Ant1-5500



11AC20SISO-Ant1-5580



11AC20SISO-Ant1-5700



11AC20SISO-Ant1-5745



11AC20SISO-Ant1-5785



11AC20SISO-Ant1-5825



11AC40SISO-Ant1-5190



11AC40SISO-Ant1-5230



11AC40SISO-Ant1-5270



11AC40SISO-Ant1-5310



11AC40SISO-Ant1-5510



11AC40SISO-Ant1-5590



11AC40SISO-Ant1-5670



11AC40SISO-Ant1-5755



11AC40SISO-Ant1-5795



11AC80SISO-Ant1-5210



11AC80SISO-Ant1-5290



11AC80SISO-Ant1-5530



11AC80SISO-Ant1-5610



11AC80SISO-Ant1-5775



11AC160SISO-Ant1-5250



11AC160SISO-Ant1-5570



11AX20SISO-Ant1-5180



11AX20SISO-Ant1-5200



11AX20SISO-Ant1-5240



11AX20SISO-Ant1-5260



11AX20SISO-Ant1-5300



11AX20SISO-Ant1-5320



11AX20SISO-Ant1-5500



11AX20SISO-Ant1-5580



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11AX20SISO-Ant1-5785



11AX20SISO-Ant1-5825



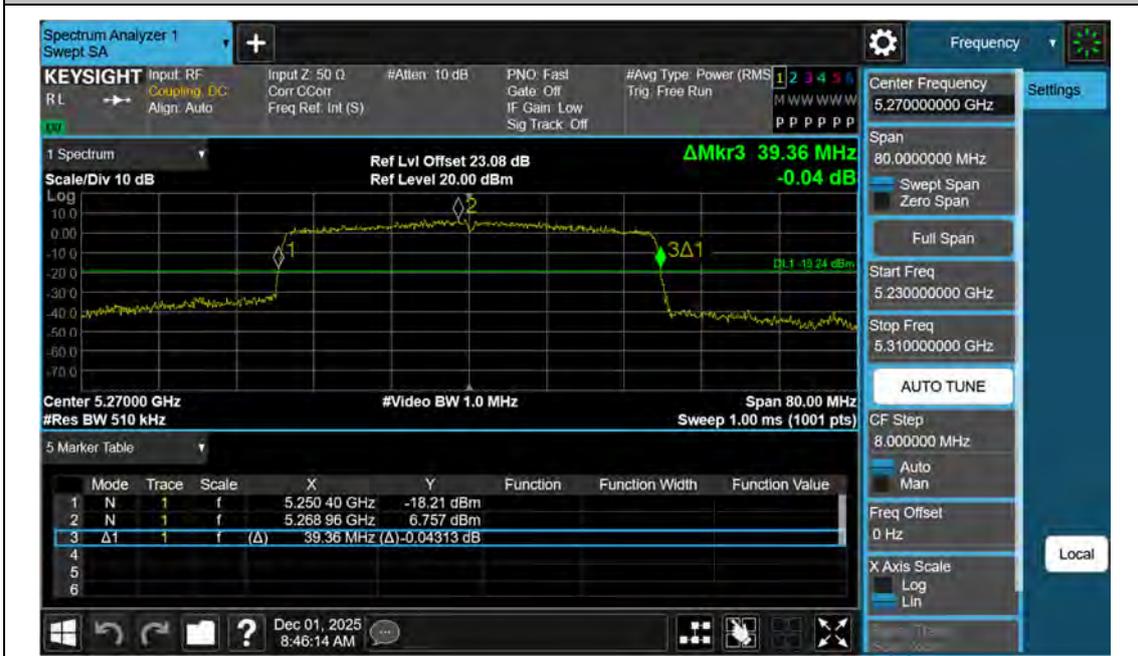
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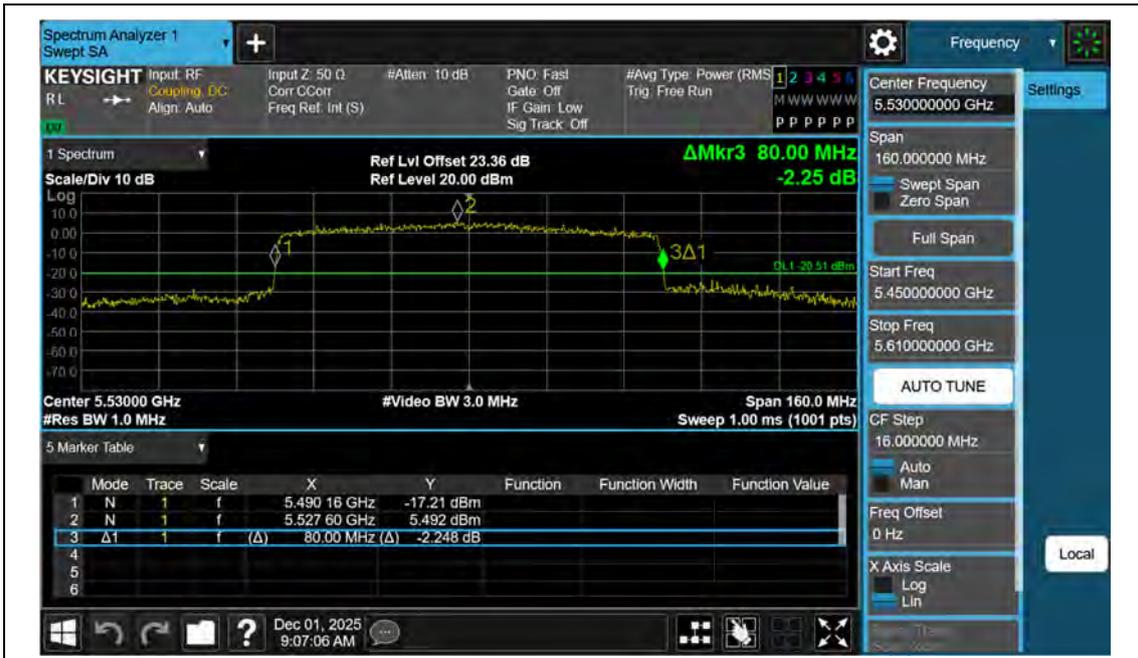
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11AX80SISO-Ant1-5775



11AX160SISO-Ant1-5250



11AX160SISO-Ant1-5570



11BE20SISO-Ant1-5180



11BE20SISO-Ant1-5200



11BE20SISO-Ant1-5240



11BE20SISO-Ant1-5260



DFS TEST REPORT FOR CERTIFICATION On Behalf of

BYD Auto Industry Company Limited

Central Computing Platform

Model Number: MTED01

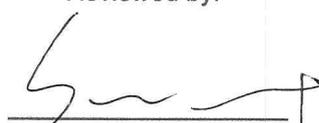
FCC ID: SD4-MTED01

Applicant:	BYD Auto Industry Company Limited
Address:	No.3001, 3007, Hengping Road, Pingshan, Shenzhen, Guangdong, P.R.China
Prepared By:	EST Technology Co., Ltd. Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China
Tel: 86-769-83081888-808	

Report Number:	ESTE-R2512204
Date of Test:	Nov. 11, 2025~ Dec. 15, 2025
Date of Report:	Dec. 31, 2025

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Applicant:	BYD Auto Industry Company Limited		
Address:	No.3001, 3007, Hengping Road, Pingshan, Shenzhen, Guangdong, P.R.China		
Manufacturer:	BYD Auto Industry Company Limited		
Address:	No.3001, 3007, Hengping Road, Pingshan, Shenzhen, Guangdong, P.R.China		
E.U.T:	Central Computing Platform		
Model Number:	MTED01		
Power Supply:	DC 12V From Battery		
Trade Name:	BYD	Sample No.:	EST-250411014-002
Date of Receipt:	Nov. 11, 2025	Date of Test:	Nov. 11, 2025~ Dec. 15, 2025
Test Specification:	FCC Part 15 Subpart E 15.407 KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02		
Test Result:	<p>The device described above is tested by EST Technology Co., Ltd. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the Dynamic Frequency Selection (DFS) tests under FCC Rules and Regulations Part 15 Subpart E requirements.</p> <p>This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd.</p>		
Prepared by:	Reviewed by:	Date: Jan. 12, 2026	
 Ring Yang / Assistant	 Seven Wang / Engineer	 Iceman Hu / Manager	
Other Aspects: None.			
Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested			
This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd. The statement of compliance in this report is based on the limit in the test standard, the measurement uncertainty is not considered.			

1.GENERAL INFORMATION

1.1.Description of Device (EUT)

FCC ID	:	SD4-MTED01
Product Name	:	Central Computing Platform
Model Number	:	MTED01
Software Version	:	N/A
Hardware Version	:	HW0.0.5
Number of channel	:	<p>U-NII-2A(5250 MHz~5350 MHz):</p> <p>IEEE 802.11a / n HT20 / ac VHT20 / ax HE20/be EHT20: 4 Channels; IEEE 802.11n HT40 / ac VHT40 / ax HE40/be EHT40: 2 Channels; IEEE 802.11ac VHT80 / ax HE80/be EHT80: 1 Channel. IEEE 802.11ac VHT160/ax HE160/be EHT160: 1 Channel.</p> <p>U-NII-2C(5470 MHz~5725 MHz):</p> <p>IEEE 802.11a / n HT20 / ac VHT20/ ax HE20/be EHT20: 11 Channels; IEEE 802.11n HT40 / ac VHT40 / ax HE40/be EHT40: 5 Channels; IEEE 802.11ac VHT80 / ax HE80/be EHT80: 2 Channel. IEEE 802.11ac VHT160/ax HE160/be EHT160: 1 Channel.</p>
Modulation	:	OFDM, OFDMA
Channels Spacing	:	<p>IEEE 802.11a: 20MHz;</p> <p>IEEE 802.11n HT20: 20MHz;</p> <p>IEEE 802.11n HT40: 40MHz;</p> <p>IEEE 802.11ac VHT20: 20MHz;</p> <p>IEEE 802.11ac VHT40: 40MHz;</p> <p>IEEE 802.11ac VHT80: 80MHz;</p> <p>IEEE 802.11ac VHT160: 160MHz;</p> <p>IEEE 802.11ax HE20: 20MHz;</p> <p>IEEE 802.11ax HE40: 40MHz;</p> <p>IEEE 802.11ax HE80: 80MHz;</p> <p>IEEE 802.11ax HE160: 160MHz;</p> <p>IEEE 802.11be EHT20: 20MHz;</p> <p>IEEE 802.11be EHT40: 40MHz;</p> <p>IEEE 802.11be EHT80: 80MHz;</p> <p>IEEE 802.11be EHT160: 160MHz</p>
TPC Function	:	<input checked="" type="checkbox"/> Without TPC <input type="checkbox"/> With TPC
DFS Mode(s)	:	<input type="checkbox"/> Master <input type="checkbox"/> Slave with radar detection <input checked="" type="checkbox"/> Slave without radar detection
Sample Type	:	Prototype production

Note: The product information is provided by the manufacturer. The laboratory is not responsible for this data.

1.2.The antenna information for EUT

Ant No.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	-	-	External	-	2.2

Note:

1.The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.

2.The test results of this report only apply to the sample as received.

1.3.Information of RF Cable

Cable Loss(dB)	Provided by
1.0	BYD Auto Industry Company Limited

Note:

1.The customer declared the loss value of the RF Cable. and the test results of this report only apply to the sample as received.

2.The laboratory is not responsible for the accuracy of the cable loss.

2.SUMMARY OF TEST

2.1.Summary of test result

Description of Test Item	Test Mode	FCC Standard Section	Results
Channel Closing Transmission Time	IEEE 802.11a 5260/5500MHz IEEE 802.11n HT40 5270/5510MHz	15.407(h)	PASS
Channel Move Time	IEEE 802.11ac VHT80 5290MHz IEEE 802.11ax HE80 5290MHz IEEE 802.11be EHT80 5290MHz	15.407(h)	PASS
Non-Occupancy Period	IEEE 802.11ac VHT160 5570MHz IEEE 802.11ax HE160 5570MHz IEEE 802.11be EHT160 5570MHz	15.407(h)	PASS

2.2.Test Facilities

EMC Lab : Accredited by CNAS, CHINA
Registration No.: L5288
This Accreditation is valid until: November 12, 2029

Recognized by FCC, USA
Designation Number: CN1215
This Recognition is valid until: January 31, 2026

Accredited by A2LA, USA
Registration No.: 4366.01
This Accreditation is valid until: January 31, 2026

Recognized by Industry Canada
CAB identifier No.: CN0035
This Recognition is valid until: January 31, 2026

Recognized by VCCI, Japan
Registration No.:C-14103; T-20073; R-13663;
R-20103; G-20097
Date of registration: Apr. 20, 2020
This Recognition is valid until: Apr. 19, 2026

Recognized by TUV Rheinland, Germany
Registration No.: UA 50413872 0001
Date of registration: July 31, 2018

Recognized by Intertek
Registration No.: 2011-RTL-L2-64
Date of registration: November 08, 2018

Name of Firm : EST Technology Co., Ltd.

Site Location : Chilingxiang, Qishantou, Santun, Houjie, Dongguan,
Guangdong, China

2.3.Measurement uncertainty for EST Technology Co., Ltd.

Test Item	Uncertainty
Uncertainty for Conduction emission test	2.54dB
Uncertainty for spurious emissions test (Below 30MHz)	±1.62 dB
Uncertainty for Radiation Emission test (30MHz-1GHz)	3.62
Uncertainty for Radiation Emission test (1GHz to 18GHz)	4.86
Uncertainty for spurious emissions test (18GHz to 40GHz)	4.67
Uncertainty for radio frequency	7×10 ⁻⁸
Uncertainty for conducted RF Power	1.08dB
Uncertainty for Power density test	0.26dB
Temperature	±0.6°C
Humidity	±4.0 %
Volatage DC	±1.0%
Volatage (AC, <10KHz)	±1.5%

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

2.4.Test Equipment List

Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
TS 8997	Rohde &Schwarz	/	/	/	/	/
Open Switch and Control Unit	Rohde &Schwarz	OSP-B157WB	EST-E036	LISAI	June 11,25	June 10,26
Signal and Spectrum Analyzer	Rohde &Schwarz	FSV	EST-E037	LISAI	June 11,25	June 10,26
Signal Generator	Rohde &Schwarz	SMB100A	EST-E038	LISAI	June 11,25	June 10,26
Vector Signal Generator	Rohde &Schwarz	SMBV100A	EST-E039	LISAI	June 11,25	June 10,26
Test Software	Rohde &Schwarz	WMS32	10.50.40	N/A	N/A	N/A
Master AP	LINKSYS	WRT3200ACM	1981060A62 1419	N/A	N/A	N/A
Notebook	DELL	Laititude E6420	N/A	N/A	N/A	N/A

Note: The FCC ID of Master AP is Q87-WRT3200ACM.

3.DYNAMIC FREQUENCY SELECTION REQUIREMENTS

3.1.DFS Overview

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	Master Device or Client with Radar Detection	Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

3.2.DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.
Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.
Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

3.3.Response Requirements

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.

Note 1: *Channel Move Time* and the *Channel Closing Transmission Time* should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.
Note 2: The *Channel Closing Transmission Time* is comprised of 200 milliseconds starting at the beginning of the *Channel Move Time* plus any additional intermittent control signals required to facilitate a *Channel* move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.
Note 3: During the *U-NII Detection Bandwidth* detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic

3.4.Radar Test Waveforms

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

3.4.1.Short Pulse Radar Test Waveforms

Table 5 – Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a	$\text{Roundup} \left\{ \begin{array}{l} \left(\frac{1}{360} \right) \cdot \\ \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \end{array} \right\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B.

For example if in Short Pulse Radar Type 1 Test B a PRI of 3066 μ sec is selected, the number of pulses would be Roundup $\{ (1/360)(19 \times 10^6 / 3066) \} = \text{Round up } \{ 17.2 \} = 18$.

Table 5a - Pulse Repetition Intervals Values for Test A

Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
1	1930.5	518
2	1858.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

The aggregate is the average of the percentage of successful detections of Short Pulse Radar Types 1-4. For example, the following table indicates how to compute the aggregate of percentage of successful detections.

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
1	35	29	82.9%
2	30	18	60%
3	30	27	90%
4	50	44	88%
Aggregate $(82.9\% + 60\% + 90\% + 88\%) / 4 = 80.2\%$			

3.4.2. Long Pulse Radar Test Waveform

Table 6 – Long Pulse Radar Test Waveform

Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Number of Pulses per <i>Burst</i>	Number of <i>Bursts</i>	Minimum Percentage of Successful Detection	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse Radar Type waveforms. If more than 30 waveforms are used for the Long Pulse Radar Type waveforms, then each additional waveform must also be unique and not repeated from the previous waveforms.

Each waveform is defined as follows:

- 1) The transmission period for the Long Pulse Radar test signal is 12 seconds.
- 2) There are a total of 8 to 20 *Bursts* in the 12 second period, with the number of *Bursts* being randomly chosen. This number is *Burst Count*.
- 3) Each *Burst* consists of 1 to 3 pulses, with the number of pulses being randomly chosen. Each *Burst* within the 12 second sequence may have a different number of pulses.
- 4) The pulse width is between 50 and 100 microseconds, with the pulse width being randomly chosen. Each pulse within a *Burst* will have the same pulse width. Pulses in different *Bursts* may have different pulse widths.
- 5) Each pulse has a linear frequency modulated chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a *transmission period* will have the same chirp width. The chirp is centered on the pulse. For example, with a radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and ends at 5310 MHz.
- 6) If more than one pulse is present in a *Burst*, the time between the pulses will be between 1000 and 2000 microseconds, with the time being randomly chosen. If three pulses are present in a *Burst*, the random time interval between the first and second pulses is chosen independently of the random time interval between the second and third pulses.
- 7) The 12 second transmission period is divided into even intervals. The number of intervals is equal to *Burst Count*. Each interval is of length $(12,000,000 / \textit{Burst Count})$ microseconds. Each interval contains one *Burst*. The start time for the *Burst*, relative to the beginning of the interval, is between 1 and $[(12,000,000 / \textit{Burst Count}) - (\textit{Total Burst Length}) + (\textit{One Random PRI Interval})]$ microseconds, with the start time being randomly chosen. The step interval for the start time is 1 microsecond. The start time for each *Burst* is chosen randomly.

A representative example of a Long Pulse Radar Type waveform:

- 1) The total test waveform length is 12 seconds.
- 2) Eight (8) *Bursts* are randomly generated for the *Burst Count*.
- 3) *Burst 1* has 2 randomly generated pulses.
- 4) The pulse width (for both pulses) is randomly selected to be 75 microseconds.
- 5) The PRI is randomly selected to be at 1213 microseconds.
- 6) *Bursts 2* through 8 are generated using steps 3 – 5.
- 7) Each *Burst* is contained in even intervals of 1,500,000 microseconds. The starting location for Pulse 1, *Burst 1* is randomly generated (1 to 1,500,000 minus the total *Burst 1* length + 1 random PRI interval) at the 325,001 microsecond step. *Bursts 2* through 8

randomly fall in successive 1,500,000 microsecond intervals (i.e. Burst 2 falls in the 1,500,001 – 3,000,000 microsecond range).

3.4.3.Frequency Hopping Radar Test Waveform

Table 7 – Frequency Hopping Radar Test Waveform

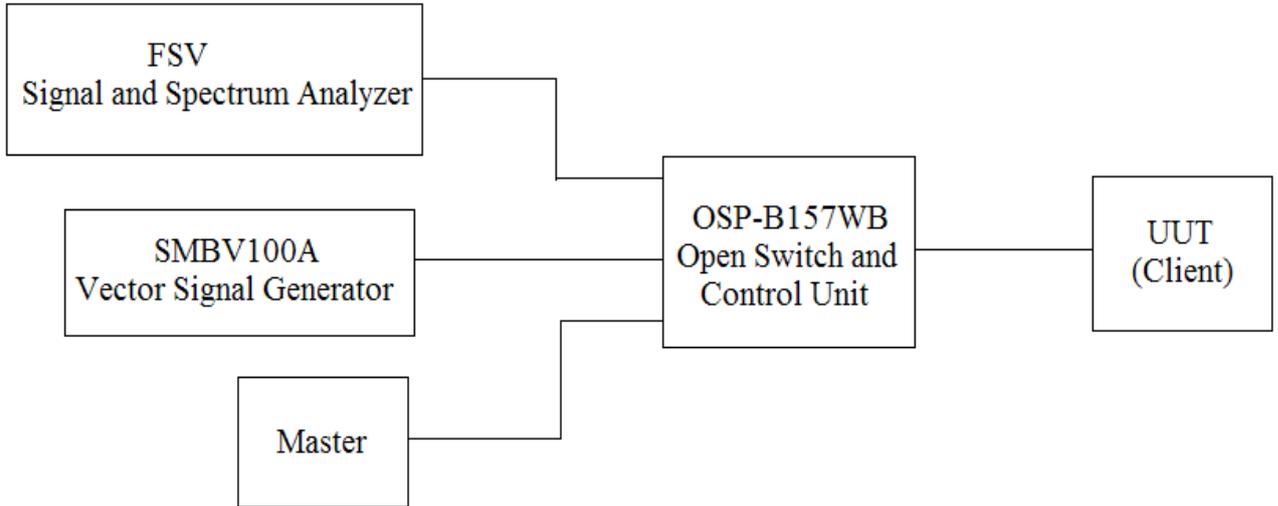
Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

For the Frequency Hopping Radar Type, the same *Burst* parameters are used for each waveform. The hopping sequence is different for each waveform and a 100-length segment is selected from the hopping sequence defined by the following algorithm:

The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues until all 475 frequencies are chosen for the set. For selection of a random frequency, the frequencies remaining within the group are always treated as equally likely.

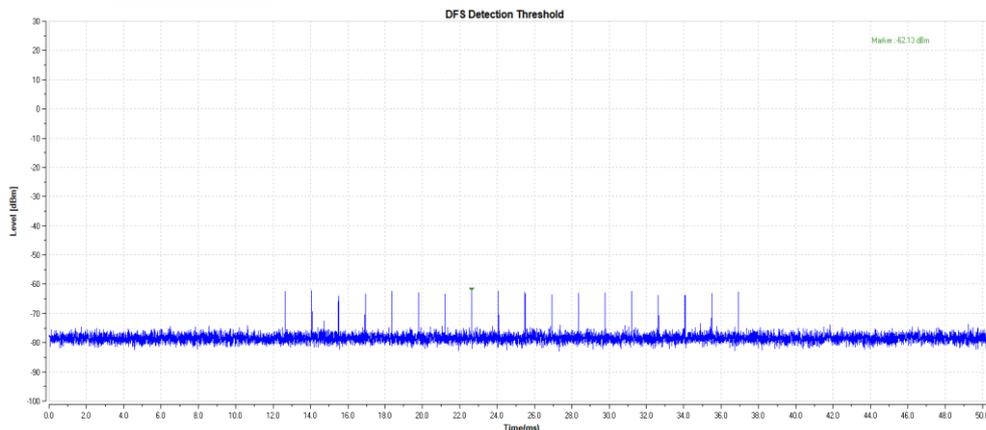
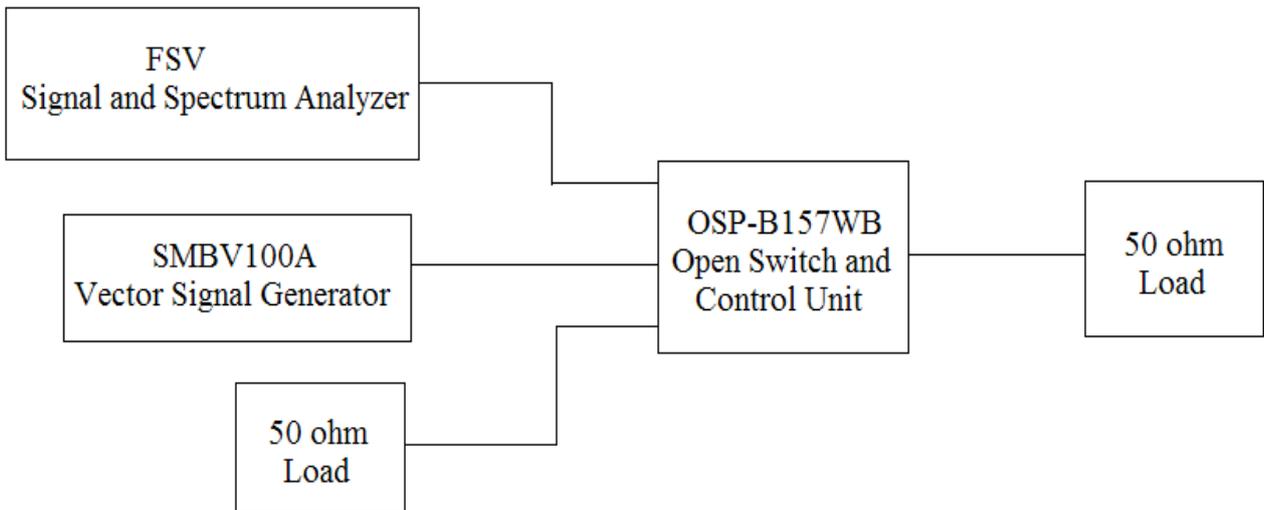
4. TEST SETUP

4.1. Setup Configuration of EUT and TS8997 System



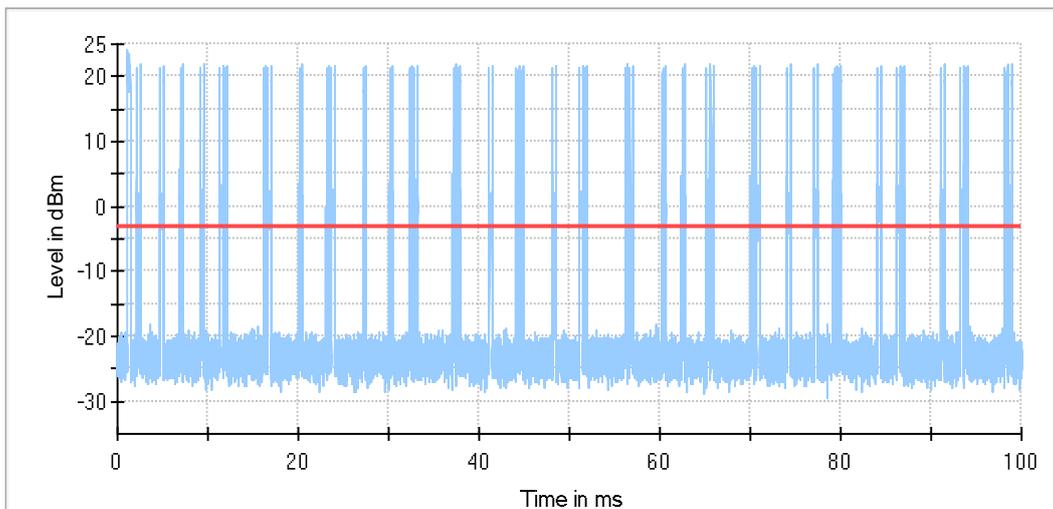
4.2. Radar Waveform Calibration

The conducted radar waveform calibration diagram of TS8997 is shown below.



4.3.Channel Loading

DUT Frequency (MHz)	Tx-Test Duty Cycle (%)	Tx-Test Duty Cycle Limit	Tx-Test No. of Pulses found	Tx-Test Result
IEEE 802.11a 5260MHz	29.336	>=17 %	126	PASS
IEEE 802.11a 5500 MHz	29.014	>=17 %	135	PASS
IEEE 802.11 n HT40 5270 MHz	21.189	>=17 %	111	PASS
IEEE 802.11 n HT40 5510 MHz	20.723	>=17 %	109	PASS
IEEE 802.11ac VHT80 5290 MHz	28.364	>=17 %	132	PASS
IEEE 802.11ax HE80 5290 MHz	18.360	>=17 %	89	PASS
IEEE 802.11be EHT80 5290MHz	19.723	>=17 %	94	PASS
IEEE 802.11ac VHT160 5570MHz	28.189	>=17 %	131	PASS
IEEE 802.11ax HE160 5570MHz	28.355	>=17 %	132	PASS
IEEE 802.11be EHT160 5570MHz	18.360	>=17 %	92	PASS



— In-Service Monitoring Transmitt Test Sweep — Threshold

5.IN-SERVICE MONITORING FOR CHANNEL MOVE TIME, CHANNEL CLOSING TRANSMISSION TIME AND NON-OCCUPANCY PERIOD

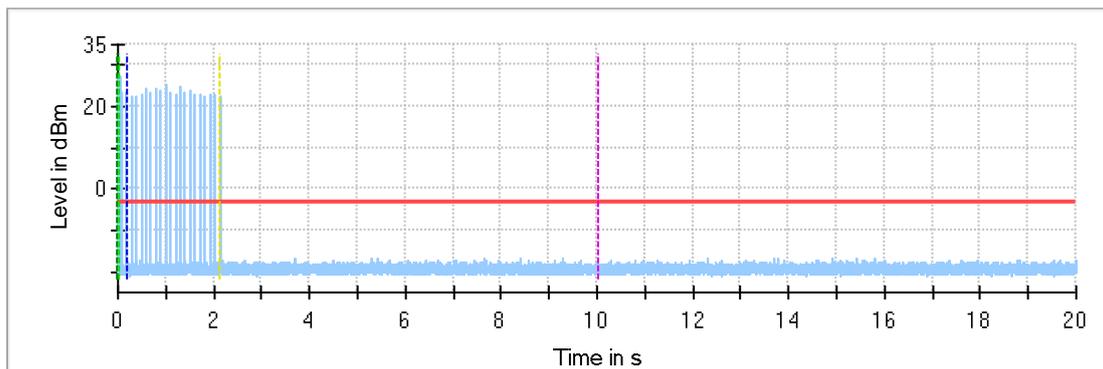
5.1.Test Procedure

The steps below define the procedure to determine the above mentioned parameters when a radar Burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device (In- Service Monitoring).

- a) One frequency will be chosen from the Operating Channels of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals are detected, another frequency must be selected within the emission bandwidth where control signals are detected.
- b) In case the UUT is a U-NII device operating as a Client Device (with or without DFS), a U-NII device operating as a Master Device will be used to allow the UUT (Client device) to Associate with the Master Device. In case the UUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will Associate with the UUT (Master). In both cases for conducted tests, the Radar Waveform generator will be connected to the Master Device. For radiated tests, the emissions of the Radar Waveform generator will be directed towards the Master Device. If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.
- c) Stream the channel loading test file from the Master Device to the Client Device on the test Channel for the entire period of the test.
- d) At time T₀ the Radar Waveform generator sends a Burst of pulses for one of the Radar Type 0 in **Table 5** at levels defined in **Table 3**, on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
- e) Observe the transmissions of the UUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). Measure and record the Channel Move Time and Channel Closing Transmission Time if radar detection occurs. f) When operating as a Master Device, monitor the UUT for more than 30 minutes following instant T₂ to verify that the UUT does not resume any transmissions on this Channel. Perform this test once and record the measurement result.
- g) In case the UUT is a U-NII device operating as a Client Device with In-Service Monitoring, perform steps a) to f).

5.2.Channel Move Time&Channel Close Transmission Time Test Result

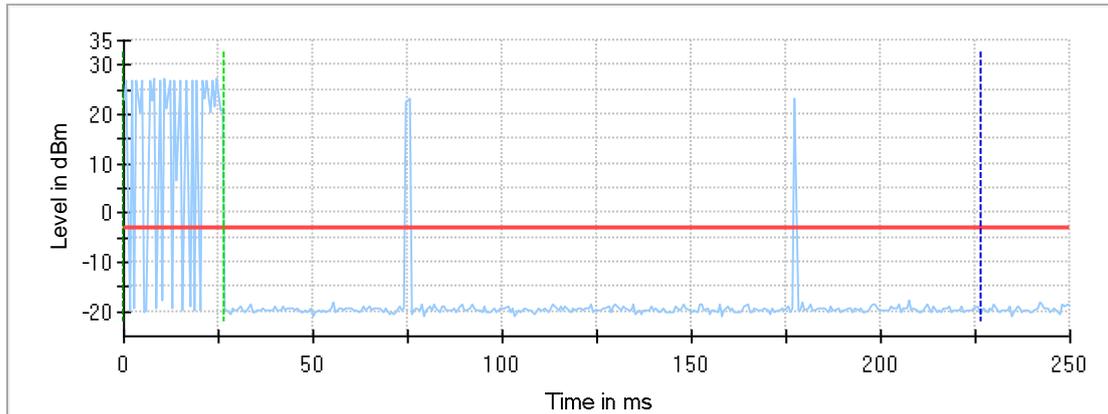
Frequency (MHz)	Radar Type No.	CMT Tx Time (s)	CMT Limit (s)	Result
IEEE 802.11a 5260MHz	0	2.097	10.000	PASS
IEEE 802.11a 5500 MHz	0	2.127	10.000	PASS
IEEE 802.11 n HT40 5270 MHz	0	2.091	10.000	PASS
IEEE 802.11 n HT40 5510 MHz	0	2.072	10.000	PASS
IEEE 802.11ac VHT80 5290 MHz	0	1.993	10.000	PASS
IEEE 802.11ax HE80 5290 MHz	0	2.129	10.000	PASS
IEEE 802.11be EHT80 5290MHz	0	2.095	10.000	PASS
IEEE 802.11ac VHT160 5570MHz	0	2.121	10.000	PASS
IEEE 802.11ax HE160 5570MHz	0	2.121	10.000	PASS
IEEE 802.11be EHT160 5570MHz	0	2.061	10.000	PASS



- In-Service Monitoring Channel Move Time
- Threshold
- - - Start of Radar
- - - Trigger at end of Radar
- - - First 200ms of Channel Closing Tx Time
- - - 10sec Channel Move Time Limit
- - - Last measured edge of Channel Closing Tx Time

Frequency (MHz)	Radar Type No.	CCTT Type of Value	CCTT No. of Pulses found	CCTT Tx Time (ms)	Limit (ms)	Result
IEEE 802.11a 5260MHz	0	first 200 ms	2	0.672	200	PASS
	0	remaining 10.0 second(s) period	19	6.472	60	PASS
IEEE 802.11a 5500MHz	0	first 200 ms	2	0.676	200	PASS
	0	remaining 10.0 second(s) period	19	6.468	60	PASS
IEEE 802.11 n HT40 5270 MHz	0	first 200 ms	602	11.520	200	PASS
	0	remaining 10.0 second(s) period	357	14.968	60	PASS
IEEE 802.11 n HT40 5510 MHz	0	first 200 ms	2	0.832	200	PASS
	0	remaining 10.0 second(s) period	19	7.992	60	PASS
IEEE 802.11ac VHT80 5290 MHz	0	first 200 ms	6	0.340	200	PASS
	0	remaining 10.0 second(s) period	85	13.864	60	PASS
IEEE 802.11ax HE80 5290 MHz	0	first 200 ms	8	2.020	200	PASS
	0	remaining 10.0 second(s) period	84	26.432	60	PASS
IEEE 802.11be EHT80 5290MHz	0	first 200 ms	11	3.840	200	PASS
	0	remaining 10.0 second(s) period	85	27.564	60	PASS
IEEE 802.11ac VHT160 5570MHz	0	first 200 ms	6	0.268	200	PASS
	0	remaining 10.0 second(s) period	67	3.132	60	PASS
IEEE 802.11ax HE160	0	first 200 ms	6	0.268	200	PASS

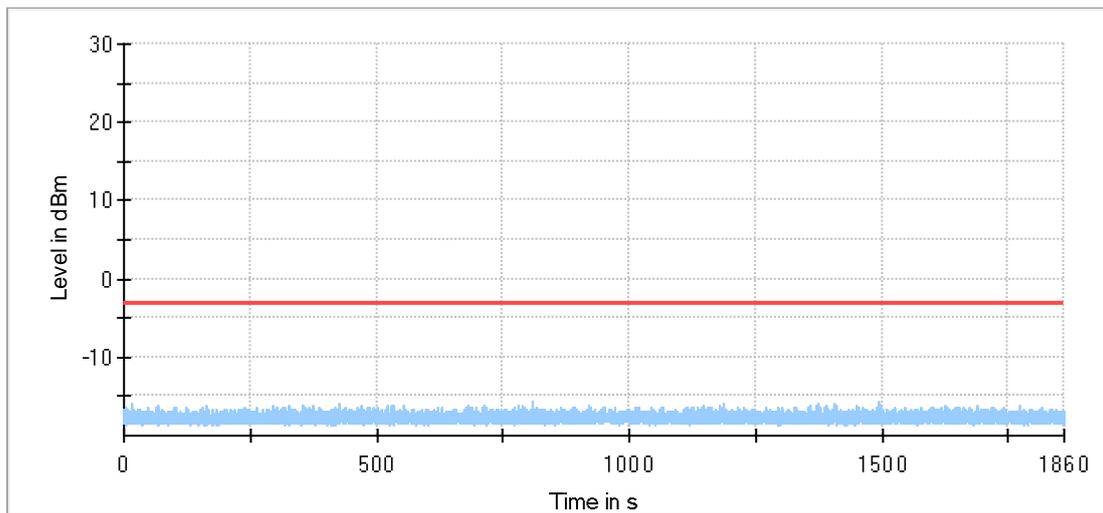
5570MHz	0	remaining 10.0 second(s) period	67	3.132	60	PASS
IEEE 802.11be EHT160 5570MHz	0	first 200 ms	8	0.388	200	PASS
	0	remaining 10.0 second(s) period	65	3.028	60	PASS



- In-Service Monitoring Channel Move Time first 200ms
- Threshold
- - - Start of Radar
- - - Trigger at end of Radar
- - - First 200ms of Channel Closing Tx Time

5.3.Non-Occupancy Period Test Result

Frequency (MHz)	Radar Type No.	NOP No. of Pulses found	NOP No. of Pulses Limit	NOP Tx Time (s)	NOP Tx Time Limit (s)	Result
IEEE 802.11a 5260MHz	0	0	0	0.000	0.000	PASS
IEEE 802.11a 5500 MHz	0	0	0	0.000	0.000	PASS
IEEE 802.11 n HT40 5270 MHz	0	0	0	0.000	0.000	PASS
IEEE 802.11 n HT40 5510 MHz	0	0	0	0.000	0.000	PASS
IEEE 802.11ac VHT80 5290 MHz	0	0	0	0.000	0.000	PASS
IEEE 802.11ax HE80 5290 MHz	0	0	0	0.000	0.000	PASS
IEEE 802.11be EHT80 5290MHz	0	0	0	0.000	0.000	PASS
IEEE 802.11ac VHT160 5570MHz	0	0	0	0.000	0.000	PASS
IEEE 802.11ax HE160 5570MHz	0	0	0	0.000	0.000	PASS
IEEE 802.11be EHT160 5570MHz	0	0	0	0.000	0.000	PASS



— In-Service Monitoring Non-occupancy period — Threshold

6.TEST SETUP PHOTO



End of Test Report