Certificate #7136.01

FCC Radio Test Report

FCC ID: 2BHQS-PSM803

This report concerns: Original Grant

Project No.	:	2405H020
Equipment	:	Smart Module
Brand Name	:	N/A
Test Model	:	PSM803
Series Model	:	N/A
Applicant	:	Phoenix Season LLC
Address	:	113 Cruiser lrvine, California 92618 United States
Manufacturer	:	Phoenix Season LLC
Address	:	113 Cruiser lrvine, California 92618 United States
Date of Receipt	:	May 16, 2024
Date of Test	:	May 20, 2024~Jul. 31, 2024
Issued Date	:	Sep. 25, 2024
Report Version	:	R01
Test Sample	:	Engineering Sample No.: SH202406256 for radiated, SH2024051641 for conducted, SH20240517566 for adapter.
Standard(s)	:	FCC CFR Title 47, Part 15, Subpart E ANSI C63.10-2013 KDB 987594 D02 U-NII 6GHz EMC Measurement v02r01 KDB 789033 D02 General UNII Test Procedures New Rules v02r01 KDB 662911 D01 Multiple Transmitter Output v02r01

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Shanghai)

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

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BTL's laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.
Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-4-2405H020	R00	Original Report.	Sep. 13, 2024	Invalid
BTL-FCCP-4-2405H020	R01	Revised report to address TCB's comments.	Sep. 25, 2024	Valid

1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:
ANSI C63.10-2013
The following reference test guidance is not within the scope of accreditation of A2LA:
KDB 789033 D02 General UNII Test Procedures New Rules v02r01
KDB 662911 D01 Multiple Transmitter Output v02r01

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart E				
Standard(s) Section	**Test Item**	**Test Result**	**Judgment**	**Remark**
15.207 15.407(b)	AC Power Line Conducted Emissions	APPENDIX -	N/A	------
15.407(b) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX A APPENDIX B APPENDIX C	PASS	------
15.407(a)	Bandwidth	APPENDIX D	PASS	------
15.407(a)	Maximum e.i.r.p.	APPENDIX E	PASS	------
15.407(a)	Maximum Power Spectral Density (e.i.r.p.)	APPENDIX F	PASS	------
15.407(b)	In-Band Emission (Mask)	APPENDIX G	PASS	------
15.407(d)	Contention Based Protocol	APPENDIX H	PASS	------
15.407(g)	Frequency Stability	APPENDIX -	N/A	------
15.203 15.407(a)	Antenna Requirements	------	PASS	**NOTE (2)** **NOTE (3)**

Note:
(1) "N/A" denotes test is not applicable in this test report.
(2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.
(3) The device employ a permanently attached integrated antenna.
(4) Device Type:
- ☐ Indoor access point
- ☐ Subordinate device (operating under control of a low-power indoor access point)
- ☐ Indoor client (operating under control of a low-power indoor access point)
- ☒ Dual client (operating under control of either a low-power indoor access point or standard power access point)
- ☐ Standard power access point
- ☐ Standard client (operating under control of a Standard power access point)
- ☐ Fixed client (operating under control of a Standard power access point)

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210,China
BTL's Registration Number for FCC: 964234
BTL's Designation Number for FCC: CN1374

2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))
The BTL measurement uncertainty as below table:

A. Radiated emissions test:

Test Site	Measurement Frequency Range	Ant. H / V	U, (dB)
SH-CB02	9 KHz~30 MHz	-	2.72
	30 MHz~200 MHz	V	4.4
	30 MHz~200 MHz	H	3.16
	200 MHz~1,000 MHz	V	4.6
	200 MHz~1,000 MHz	H	4.2
	1GHz ~ 6GHz	-	4.56
	6GHz ~ 18GHz	-	5.14
	18 ~ 26.5 GHz	-	1.68
	26.5~40 GHz		1.71

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
Radiated Emissions-9kHz to 30MHz	26.1°C	49%	AC 120V/60Hz	Yahya Fang
Radiated Emissions-30MHz to 1000MHz	27°C	54%	AC 120V/60Hz	Yahya Fang
Radiated Emissions-Above 1000 MHz	23.7°C ~24°C	41%~50%	AC 120V/60Hz	Yahya Fang
Bandwidth	24.3°C	55%	AC 120V/60Hz	Thacker Tang
Maximum e.i.r.p.	24.3°C	55%	AC 120V/60Hz	Thacker Tang
Maximum Power Spectral Density (e.i.r.p.)	24.3°C	55%	AC 120V/60Hz	Thacker Tang
In-Band Emission (Mask)	24.3°C	55%	AC 120V/60Hz	Thacker Tang
Contention Based Protocol	24.3°C	55%	AC 120V/60Hz	Thacker Tang

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Smart Module
Brand Name	N/A
Test Model	PSM803
Series Model	N/A
Model Difference(s)	N/A
Software Version	QCS8550_LE.1.0_AP
Hardware Version	PSM803
Power Source	DC Voltage supplied from AC/DC adapter
Power Rating	I/P: 100-240V~50/60Hz 1.5A O/P: 12.0V⎓5.0A 60.0W
Frequency Range	UNII-5: 5925 MHz ~ 6425 MHz UNII-6: 6425 MHz ~ 6525 MHz UNII-7: 6525 MHz ~ 6875 MHz UNII-8: 6875 MHz ~ 7125 MHz
Operation Frequency	UNII-5: 5955 MHz ~ 6435 MHz UNII-6: 6425 MHz ~ 6515 MHz UNII-7: 6535 MHz ~ 6875 MHz UNII-8: 6895 MHz ~ 7115 MHz
Modulation Type	IEEE 802.11ax/be: OFDMA
Bit Rate of Transmitter	IEEE 802.11ax: up to 2402 Mbps IEEE 802.11be: up to 5764 Mbps
Maximum e.i.r.p. _UNII-5	IEEE 802.11ax (HE20): 14.56 dBm (0.0286 W) IEEE 802.11ax (HE40): 15.60 dBm (0.0363 W) IEEE 802.11ax (HE80): 15.07 dBm (0.0321 W) IEEE 802.11ax (HE160): 14.73 dBm (0.0297 W) IEEE 802.11be (EHT20): 13.77 dBm (0.0238 W) IEEE 802.11be (EHT40): 15.28 dBm (0.0337 W) IEEE 802.11be (EHT80): 14.92 dBm (0.0310 W) IEEE 802.11be (EHT160): 13.47 dBm (0.0222 W)
Maximum e.i.r.p. _UNII-5+ UNII-6+ UNII-7	IEEE 802.11be (EHT320): 13.66 dBm (0.0232 W)
Maximum e.i.r.p. _UNII-6	IEEE 802.11ax (HE20): 13.98 dBm (0.0250 W) IEEE 802.11ax (HE40): 15.30 dBm (0.0339 W) IEEE 802.11ax (HE80): 14.90 dBm (0.0309 W) IEEE 802.11be (EHT20): 14.21 dBm (0.0264 W) IEEE 802.11be (EHT40): 14.98 dBm (0.0315 W) IEEE 802.11be (EHT80): 14.76 dBm (0.0299 W)
Maximum e.i.r.p. _UNII-6+ UNII-7	IEEE 802.11ax (HE40): 15.23 dBm (0.0333 W) IEEE 802.11ax (HE80): 14.93 dBm (0.0311 W) IEEE 802.11ax (HE160): 14.41 dBm (0.0276 W) IEEE 802.11be (EHT40): 15.03 dBm (0.0318 W) IEEE 802.11be (EHT80): 14.72 dBm (0.0296 W) IEEE 802.11be (EHT160): 13.23 dBm (0.0210W) IEEE 802.11be (EHT320): 13.57 dBm (0.0228 W)
Maximum e.i.r.p. _UNII-7	IEEE 802.11ax (HE20): 14.35 dBm (0.0272 W) IEEE 802.11ax (HE40): 15.35 dBm (0.0343 W) IEEE 802.11ax (HE80): 15.13 dBm (0.0326 W) IEEE 802.11ax (HE160): 14.69 dBm (0.0294 W) IEEE 802.11be (EHT20): 14.12 dBm (0.0258 W) IEEE 802.11be (EHT40): 15.19 dBm (0.0330W) IEEE 802.11be (EHT80): 14.97 dBm (0.0314 W) IEEE 802.11be (EHT160): 12.95 dBm (0.0197 W)

Maximum e.i.r.p. _UNII-7+ UNII-8	IEEE 802.11ax (HE20): 11.87 dBm (0.0154 W) IEEE 802.11ax (HE40): 15.21 dBm (0.0332 W) IEEE 802.11ax (HE80): 14.87 dBm (0.0307 W) IEEE 802.11ax (HE160):14.69 dBm (0.0294 W) IEEE 802.11be (EHT20): 14.14 dBm (0.0259 W) IEEE 802.11be (EHT40): 15.12 dBm (0.0325 W) IEEE 802.11be (EHT80): 14.78 dBm (0.0301 W) IEEE 802.11be (EHT160):13.41 dBm (0.0219 W) IEEE 802.11be (EHT320): 13.82 dBm (0.0241 W)
Maximum e.i.r.p. _UNII-8	IEEE 802.11ax (HE20): 14.57 dBm (0.0286 W) IEEE 802.11ax (HE40): 15.38 dBm (0.0345 W) IEEE 802.11ax (HE80): 14.93 dBm (0.0311 W) IEEE 802.11ax (HE160):14.13 dBm (0.0259 W) IEEE 802.11be (EHT20): 12.80 dBm (0.0191 W) IEEE 802.11be (EHT40): 15.30 dBm (0.0339 W) IEEE 802.11be (EHT80): 14.80 dBm (0.0302 W) IEEE 802.11be (EHT160):12.90 dBm (0.0195 W)
Maximum e.i.r.p. _UNII-7+ UNII-8	IEEE 802.11be (EHT320):13.31 dBm (0.0214 W)

Note:

1. For a more detailed features description, please refer to the manufacturer’s specifications or the user's manual.
2. Test according to the manufacturer's declared power.

2. Channel List:

UNII-5					
IEEE 802.11ax(HE20)/ IEEE 802.11be (EHT20)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	5955	33	6115	65	6275
5	5975	37	6135	69	6295
9	5995	41	6155	73	6315
13	6015	45	6175	77	6335
17	6035	49	6195	81	6355
21	6055	53	6215	85	6375
25	6075	57	6235	89	6395
29	6095	61	6255	93	6415

UNII-5					
IEEE 802.11ax(HE40)/ IEEE 802.11be (EHT40)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
3	5965	35	6125	67	6285
11	6005	43	6165	75	6325
19	6045	51	6205	83	6365
27	6085	59	6245	91	6405

UNII-5					
IEEE 802.11ax(HE80)/ IEEE 802.11be (EHT80)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
7	5985	39	6145	71	6305
23	6065	55	6225	87	6385

UNII-5					
IEEE 802.11ax(HE160)/ IEEE 802.11be (EHT160)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
15	6025	47	6185	79	6345

UNII-5					
IEEE 802.11be (EHT320)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
31	6105	63	6265		

UNII-6					
IEEE 802.11ax(HE20)/ IEEE 802.11be (EHT20)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
97	6435	105	6475	113	6515
101	6455	109	6495		

UNII-6					
IEEE 802.11ax(HE40)/ IEEE 802.11be (EHT40)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
99	6445	107	6485	115	6525

UNII-6					
IEEE 802.11ax(HE80)/ IEEE 802.11be (EHT80)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
103	6465				

UNII-6					
IEEE 802.11ax(HE160)/ IEEE 802.11be (EHT160)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
111	6505				

UNII-6					
IEEE 802.11be (EHT320)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
95	6425				

UNII-7					
IEEE 802.11ax(HE20)/ IEEE 802.11be (EHT20)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
117	6535	141	6655	165	6775
121	6555	145	6675	169	6795
125	6575	149	6695	173	6815
129	6595	153	6715	177	6835
133	6615	157	6735	181	6855
137	6635	161	6755	185	6875

UNII-7					
IEEE 802.11ax(HE40)/ IEEE 802.11be (EHT40)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
123	6565	147	6685	171	6805
131	6605	155	6725	179	6845
139	6645	163	6765		

UNII-7					
IEEE 802.11ax(HE80)/ IEEE 802.11be (EHT80)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
119	6545	151	6705	183	6865
135	6625	167	6785		

UNII-7					
IEEE 802.11ax(HE160)/ IEEE 802.11be (EHT160)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
143	6665	175	6825		

UNII-7					
IEEE 802.11be (EHT320)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
127	6585	159	6745		

UNII-8					
IEEE 802.11ax(HE20)/ IEEE 802.11be (EHT20)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
189	6895	205	6975	221	7055
193	6915	209	6995	225	7075
197	6935	213	7015	229	7095
201	6955	217	7035	233	7115

UNII-8					
IEEE 802.11ax(HE40)/ IEEE 802.11be (EHT40)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
187	6885	203	6965	219	7045
195	6925	211	7005	227	7085

UNII-8					
IEEE 802.11ax(HE80)/ IEEE 802.11be (EHT80)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
199	6945	215	7025		

UNII-8					
IEEE 802.11ax(HE160)/ IEEE 802.11be (EHT160)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
207	6985				

UNII-8					
IEEE 802.11be (EHT320)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
191	6905				

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	External Antenna	R-SMA	3.07
2	N/A	N/A	External Antenna	R-SMA	3.07

Note:

1) This EUT supports beamforming, any transmit signals are correlated with each other, so Directional gain=G_{ANT}+10log(N)dBi, that is Directional gain=3.07+10log(2)dBi=6.08.
2) The antenna gain and beamforming gain are provided by the manufacturer.

4. Table for Antenna Configuration:
For Non Beamforming＆Beamforming:

Operating Mode / TX Mode	Ant. 1	Ant. 2	Ant. 1 + Ant. 2
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)	✓	✓	✓
IEEE 802.11be (EHT320)	✓	✓	✓

3.2 TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	TX AX(HE20) Mode Channel 01/45/93 (UNII-5)
Mode 2	TX AX(HE40) Mode Channel 03/43/91 (UNII-5)
Mode 3	TX AX(HE80) Mode Channel 07/39/87 (UNII-5)
Mode 4	TX AX(HE160) Mode Channel 15/47/79 (UNII-5)
Mode 5	TX BE(EHT20) Mode Channel 01/45/93 (UNII-5)
Mode 6	TX BE(EHT40) Mode Channel 03/43/91 (UNII-5)
Mode 7	TX BE(EHT80) Mode Channel 07/39/87 (UNII-5)
Mode 8	TX BE(EHT160) Mode Channel 15/47/79 (UNII-5)
Mode 9	TX BE(EHT320) Mode Channel 31/63 (UNII-5)
Mode 10	TX BE(EHT320) Mode Channel 92 (UNII-5+UNII-6+UNII-7)
Mode 11	TX AX(HE20) Mode Channel 97/105/113 (UNII-6)
Mode 12	TX AX(HE40) Mode Channel 99/107 (UNII-6)
Mode 13	TX AX(HE80) Mode Channel 103 (UNII-6)
Mode 14	TX BE(EHT20) Mode Channel 97/105/113 (UNII-6)
Mode 15	TX BE(EHT40) Mode Channel 99/107 (UNII-6)
Mode 16	TX BE(EHT80) Mode Channel 103 (UNII-6)
Mode 17	TX AX(HE20) Mode Channel 117/149/181 (UNII-7)
Mode 18	TX AX(HE40) Mode Channel 123/147/179 (UNII-7)
Mode 19	TX AX(HE80) Mode Channel 135/151/167 (UNII-7)
Mode 20	TX AX(HE160) Mode Channel 143 (UNII-7)
Mode 21	TX BE(EHT20) Mode Channel 117/149/181 (UNII-7)
Mode 22	TX BE(EHT40) Mode Channel 123/147/179 (UNII-7)
Mode 23	TX BE(EHT80) Mode Channel 135/151/167 (UNII-7)
Mode 24	TX BE(EHT160) Mode Channel 143 (UNII-7)
Mode 25	TX AX(HE40) Mode Channel 115 (UNII-6+UNII-7)
Mode 26	TX AX(HE80) Mode Channel 119 (UNII-6+UNII-7)
Mode 27	TX AX(HE160) Mode Channel 111 (UNII-6+UNII-7)
Mode 28	TX BE(EHT40) Mode Channel 115 (UNII-6+UNII-7)
Mode 29	TX BE(EHT80) Mode Channel 119 (UNII-6+UNII-7)
Mode 30	TX BE(EHT160) Mode Channel 111 (UNII-6+UNII-7)
Mode 31	TX BE(EHT320) Mode Channel 6585 (UNII-6+UNII-7)
Mode 32	T X AX(HE20) Mode Channel 189/213/233 (UNII-8)
Mode 33	TX AX(HE40) Mode Channel 195/211/227 (UNII-8)
Mode 34	TX AX(HE80) Mode Channel 199/215 (UNII-8)
Mode 35	TX AX(HE160) Mode Channel 207 (UNII-8)
Mode 36	TX BE(EHT20) Mode Channel 189/213/233 (UNII-8)

Mode 37	TX BE(EHT40) Mode Channel 195/211/227 (UNII-8)
Mode 38	TX BE(EHT80) Mode Channel 199/215 (UNII-8)
Mode 39	TX BE(EHT160) Mode Channel 207 (UNII-8)
Mode 40	TX AX(HE20) Mode Channel 185 (UNII-7+UNII-8)
Mode 41	TX AX(HE40) Mode Channel 187 (UNII-7+UNII-8)
Mode 42	TX AX(HE80) Mode Channel 183 (UNII-7+UNII-8)
Mode 43	TX AX(HE160) Mode Channel 175 (UNII-7+UNII-8)
Mode 44	TX BE(EHT20) Mode Channel 185 (UNII-7+UNII-8)
Mode 45	TX BE(EHT40) Mode Channel 187 (UNII-7+UNII-8)
Mode 46	TX BE(EHT80) Mode Channel 183 (UNII-7+UNII-8)
Mode 47	TX BE(EHT160) Mode Channel 175 (UNII-7+UNII-8)
Mode 48	TX BE(EHT320) Mode Channel 159 (UNII-7+UNII-8)
Mode 49	TX BE(EHT320) Mode Channel 191 (UNII-7+UNII-8)

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

Radiated Emissions Test - Below 1GHz	
Final Test Mode	Description
Mode 17	TX AX(HE20) Mode Channel 117 (UNII-7)

Radiated Emissions Test - Above 1GHz	
Final Test Mode	Description
Mode 1	TX AX(HE20) Mode Channel 01/45/93 (UNII-5)
Mode 2	TX AX(HE40) Mode Channel 03/43/91 (UNII-5)
Mode 3	TX AX(HE80) Mode Channel 07/39/87 (UNII-5)
Mode 4	TX AX(HE160) Mode Channel 15/47/79 (UNII-5)
Mode 5	TX BE(EHT20) Mode Channel 01/45/93 (UNII-5)
Mode 6	TX BE(EHT40) Mode Channel 03/43/91 (UNII-5)
Mode 7	TX BE(EHT80) Mode Channel 07/39/87 (UNII-5)
Mode 8	TX BE(EHT160) Mode Channel 15/47/79 (UNII-5)
Mode 9	TX BE(EHT320) Mode Channel 31/63 (UNII-5)
Mode 10	TX BE(EHT320) Mode Channel 92 (UNII-5+UNII-6+UNII-7)
Mode 11	TX AX(HE20) Mode Channel 97/105/113 (UNII-6)
Mode 12	TX AX(HE40) Mode Channel 99/107 (UNII-6)
Mode 13	TX AX(HE80) Mode Channel 103 (UNII-6)
Mode 14	TX BE(EHT20) Mode Channel 97/105/113 (UNII-6)
Mode 15	TX BE(EHT40) Mode Channel 99/107 (UNII-6)
Mode 16	TX BE(EHT80) Mode Channel 103 (UNII-6)
Mode 17	TX AX(HE20) Mode Channel 117/149/181 (UNII-7)
Mode 18	TX AX(HE40) Mode Channel 123/147/179 (UNII-7)

Mode 19	TX AX(HE80) Mode Channel 135/151/167 (UNII-7)
Mode 20	TX AX(HE160) Mode Channel 143 (UNII-7)
Mode 21	TX BE(EHT20) Mode Channel 117/149/181 (UNII-7)
Mode 22	TX BE(EHT40) Mode Channel 123/147/179 (UNII-7)
Mode 23	TX BE(EHT80) Mode Channel 135/151/167 (UNII-7)
Mode 24	TX BE(EHT160) Mode Channel 143 (UNII-7)
Mode 25	TX AX(HE40) Mode Channel 115 (UNII-6+UNII-7)
Mode 26	TX AX(HE80) Mode Channel 119 (UNII-6+UNII-7)
Mode 27	TX AX(HE160) Mode Channel 111 (UNII-6+UNII-7)
Mode 28	TX BE(EHT40) Mode Channel 115 (UNII-6+UNII-7)
Mode 29	TX BE(EHT80) Mode Channel 119 (UNII-6+UNII-7)
Mode 30	TX BE(EHT160) Mode Channel 111 (UNII-6+UNII-7)
Mode 31	TX BE(EHT320) Mode Channel 6585 (UNII-6+UNII-7)
Mode 32	T X AX(HE20) Mode Channel 189/213/233 (UNII-8)
Mode 33	TX AX(HE40) Mode Channel 195/211/227 (UNII-8)
Mode 34	TX AX(HE80) Mode Channel 199/215 (UNII-8)
Mode 35	TX AX(HE160) Mode Channel 207 (UNII-8)
Mode 36	TX BE(EHT20) Mode Channel 189/213/233 (UNII-8)
Mode 37	TX BE(EHT40) Mode Channel 195/211/227 (UNII-8)
Mode 38	TX BE(EHT80) Mode Channel 199/215 (UNII-8)
Mode 39	TX BE(EHT160) Mode Channel 207 (UNII-8)
Mode 40	TX AX(HE20) Mode Channel 185 (UNII-7+UNII-8)
Mode 41	TX AX(HE40) Mode Channel 187 (UNII-7+UNII-8)
Mode 42	TX AX(HE80) Mode Channel 183 (UNII-7+UNII-8)
Mode 43	TX AX(HE160) Mode Channel 175 (UNII-7+UNII-8)
Mode 44	TX BE(EHT20) Mode Channel 185 (UNII-7+UNII-8)
Mode 45	TX BE(EHT40) Mode Channel 187 (UNII-7+UNII-8)
Mode 46	TX BE(EHT80) Mode Channel 183 (UNII-7+UNII-8)
Mode 47	TX BE(EHT160) Mode Channel 175 (UNII-7+UNII-8)
Mode 48	TX BE(EHT320) Mode Channel 159 (UNII-7+UNII-8)
Mode 49	TX BE(EHT320) Mode Channel 191 (UNII-7+UNII-8)

Conducted test	
Final Test Mode	Description
Mode 1	TX AX(HE20) Mode Channel 01/45/93 (UNII-5)
Mode 2	TX AX(HE40) Mode Channel 03/43/91 (UNII-5)
Mode 3	TX AX(HE80) Mode Channel 07/39/87 (UNII-5)
Mode 4	TX AX(HE160) Mode Channel 15/47/79 (UNII-5)
Mode 5	TX BE(EHT20) Mode Channel 01/45/93 (UNII-5)
Mode 6	TX BE(EHT40) Mode Channel 03/43/91 (UNII-5)
Mode 7	TX BE(EHT80) Mode Channel 07/39/87 (UNII-5)
Mode 8	TX BE(EHT160) Mode Channel 15/47/79 (UNII-5)
Mode 9	TX BE(EHT320) Mode Channel 31/63 (UNII-5)
Mode 10	TX BE(EHT320) Mode Channel 92 (UNII-5+UNII-6+UNII-7)
Mode 11	TX AX(HE20) Mode Channel 97/105/113 (UNII-6)
Mode 12	TX AX(HE40) Mode Channel 99/107 (UNII-6)
Mode 13	TX AX(HE80) Mode Channel 103 (UNII-6)
Mode 14	TX BE(EHT20) Mode Channel 97/105/113 (UNII-6)
Mode 15	TX BE(EHT40) Mode Channel 99/107 (UNII-6)
Mode 16	TX BE(EHT80) Mode Channel 103 (UNII-6)
Mode 17	TX AX(HE20) Mode Channel 117/149/181 (UNII-7)
Mode 18	TX AX(HE40) Mode Channel 123/147/179 (UNII-7)
Mode 19	TX AX(HE80) Mode Channel 135/151/167 (UNII-7)
Mode 20	TX AX(HE160) Mode Channel 143 (UNII-7)
Mode 21	TX BE(EHT20) Mode Channel 117/149/181 (UNII-7)
Mode 22	TX BE(EHT40) Mode Channel 123/147/179 (UNII-7)
Mode 23	TX BE(EHT80) Mode Channel 135/151/167 (UNII-7)
Mode 24	TX BE(EHT160) Mode Channel 143 (UNII-7)
Mode 25	TX AX(HE40) Mode Channel 115 (UNII-6+UNII-7)
Mode 26	TX AX(HE80) Mode Channel 119 (UNII-6+UNII-7)
Mode 27	TX AX(HE160) Mode Channel 111 (UNII-6+UNII-7)
Mode 28	TX BE(EHT40) Mode Channel 115 (UNII-6+UNII-7)
Mode 29	TX BE(EHT80) Mode Channel 119 (UNII-6+UNII-7)
Mode 30	TX BE(EHT160) Mode Channel 111 (UNII-6+UNII-7)
Mode 31	TX BE(EHT320) Mode Channel 6585 (UNII-6+UNII-7)
Mode 32	T X AX(HE20) Mode Channel 189/213/233 (UNII-8)
Mode 33	TX AX(HE40) Mode Channel 195/211/227 (UNII-8)
Mode 34	TX AX(HE80) Mode Channel 199/215 (UNII-8)
Mode 35	TX AX(HE160) Mode Channel 207 (UNII-8)
Mode 36	TX BE(EHT20) Mode Channel 189/213/233 (UNII-8)
Mode 37	TX BE(EHT40) Mode Channel 195/211/227 (UNII-8)
Mode 38	TX BE(EHT80) Mode Channel 199/215 (UNII-8)

Mode 39	TX BE(EHT160) Mode Channel 207 (UNII-8)
Mode 40	TX AX(HE20) Mode Channel 185 (UNII-7+UNII-8)
Mode 41	TX AX(HE40) Mode Channel 187 (UNII-7+UNII-8)
Mode 42	TX AX(HE80) Mode Channel 183 (UNII-7+UNII-8)
Mode 43	TX AX(HE160) Mode Channel 175 (UNII-7+UNII-8)
Mode 44	TX BE(EHT20) Mode Channel 185 (UNII-7+UNII-8)
Mode 45	TX BE(EHT40) Mode Channel 187 (UNII-7+UNII-8)
Mode 46	TX BE(EHT80) Mode Channel 183 (UNII-7+UNII-8)
Mode 47	TX BE(EHT160) Mode Channel 175 (UNII-7+UNII-8)
Mode 48	TX BE(EHT320) Mode Channel 159 (UNII-7+UNII-8)
Mode 49	TX BE(EHT320) Mode Channel 191 (UNII-7+UNII-8)

Note:
(1) For radiated emission Harmonic 18-40GHz test, only tested the worst case and recorded.
(2) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
(3) The measurements for Output Power are tested, the Non Beamforming and Beamforming are recorded in the report. The worst case is Non Beamforming and only the worst case is documented for other test items.
(4) IEEE 802.11ax mode and IEEE 802.11be only supports full RU, so only the full RU is evaluated and measured inside report.

3.3 PARAMETERS OF TEST SOFTWARE

Non Beamforming

UNII-5			
Test Software Version	QRCT		
Frequency (MHz)	5955	6175	6415
IEEE 802.11ax(HE20)	6	6	6
IEEE 802.11be(EHT20)	6	6	6
Frequency (MHz)	5965	6165	6405
IEEE 802.11ax(HE40)	7.5	7.5	7.5
IEEE 802.11be(EHT40)	7.5	7.5	7.5
Frequency (MHz)	5985	6145	6385
IEEE 802.11ax(HE80)	7	7	7
IEEE 802.11be(EHT80)	7	7	7
Frequency (MHz)	6025	6185	6345
IEEE 802.11ax(HE160)	6.5	6.5	6.5
IEEE 802.11be(EHT160)	6	6	6
Frequency (MHz)	6105	6265	
IEEE 802.11be(EHT320)	6	6	

UNII-6			
Test Software Version	QRCT		
Frequency (MHz)	6435	6475	6515
IEEE 802.11ax(HE20)	6	6	6
IEEE 802.11be(EHT20)	6	6	6
Frequency (MHz)	6445	6485	
IEEE 802.11ax(HE40)	7.5	7.5	
IEEE 802.11be(EHT40)	7.5	7.5	
Frequency (MHz)	6465		
IEEE 802.11ax(HE80)	7		
IEEE 802.11be(EHT80)	7		

UNII-7			
Test Software Version	QRCT		
Frequency (MHz)	6535	6695	6855
IEEE 802.11ax(HE20)	6	6	6
IEEE 802.11be(EHT20)	6	6	6
Frequency (MHz)	6565	6685	6845
IEEE 802.11ax(HE40)	7.5	7.5	7.5
IEEE 802.11be(EHT40)	7.5	7.5	7.5
Frequency (MHz)	6625	6705	6785
IEEE 802.11ax(HE80)	7	7	7
IEEE 802.11be(EHT80)	7	7	7
Frequency (MHz)	6665		
IEEE 802.11ax(HE160)	6.5		
IEEE 802.11be(EHT160)	6		

UNII-8			
Test Software Version	QRCT		
Frequency (MHz)	6895	7015	7115
IEEE 802.11ax(HE20)	6	6	6
IEEE 802.11be(EHT20)	6	6	6
Frequency (MHz)	6925	7005	7085
IEEE 802.11ax(HE40)	7.5	7.5	7.5
IEEE 802.11be(EHT40)	7.5	7.5	7.5
Frequency (MHz)	6945	7025	
IEEE 802.11ax(HE80)	7	7	
IEEE 802.11be(EHT80)	7	7	
Frequency (MHz)	6985		
IEEE 802.11ax(HE160)	6.5		
IEEE 802.11be(EHT160)	6		

UNII-5+UNII-6+UNII-7	
Test Software Version	QRCT
Frequency (MHz)	6425
IEEE 802.11be(EHT320)	6

UNII-6+UNII-7	
Test Software Version	QRCT
Frequency (MHz)	6525
IEEE 802.11ax(HE40)	7.5
IEEE 802.11be(EHT40)	7.5
Frequency (MHz)	6545
IEEE 802.11ax(HE80)	7
IEEE 802.11be(EHT80)	7
Frequency (MHz)	6505
IEEE 802.11ax(HE160)	6.5
IEEE 802.11be(EHT160)	6.5
Frequency (MHz)	6585
IEEE 802.11be(EHT320)	6

UNII-7+UNII-8	
Test Software Version	QRCT
Frequency (MHz)	6875
IEEE 802.11ax(HE20)	6
IEEE 802.11be(EHT20)	6
Frequency (MHz)	6885
IEEE 802.11ax(HE40)	7.5
IEEE 802.11be(EHT40)	7.5
Frequency (MHz)	6865
IEEE 802.11ax(HE80)	7
IEEE 802.11be(EHT80)	7
Frequency (MHz)	6825
IEEE 802.11ax(HE160)	6.5
IEEE 802.11be(EHT160)	6
Frequency (MHz)	6745
IEEE 802.11be(EHT320)	6
Frequency (MHz)	6905
IEEE 802.11be(EHT320)	6

Beamforming

UNII-5			
Test Software Version	QRCT		
Frequency (MHz)	5955	6175	6415
IEEE 802.11ax(HE20)	6	6	6
IEEE 802.11be(EHT20)	6	6	6
Frequency (MHz)	5965	6165	6405
IEEE 802.11ax(HE40)	7.5	7.5	7.5
IEEE 802.11be(EHT40)	7.5	7.5	7.5
Frequency (MHz)	5985	6145	6385
IEEE 802.11ax(HE80)	7	7	7
IEEE 802.11be(EHT80)	7	7	7
Frequency (MHz)	6025	6185	6345
IEEE 802.11ax(HE160)	6.5	6.5	6.5
IEEE 802.11be(EHT160)	6	6	6
Frequency (MHz)	6105	6265	
IEEE 802.11be(EHT320)	6	6	

UNII-6			
Test Software Version	QRCT		
Frequency (MHz)	6435	6475	6515
IEEE 802.11ax(HE20)	6	6	6
IEEE 802.11be(EHT20)	6	6	6
Frequency (MHz)	6445	6485	
IEEE 802.11ax(HE40)	7.5	7.5	
IEEE 802.11be(EHT40)	7.5	7.5	
Frequency (MHz)	6465		
IEEE 802.11ax(HE80)	7		
IEEE 802.11be(EHT80)	7		

UNII-7			
Test Software Version	QRCT		
Frequency (MHz)	6535	6695	6855
IEEE 802.11ax(HE20)	6	6	6
IEEE 802.11be(EHT20)	6	6	6
Frequency (MHz)	6565	6685	6845
IEEE 802.11ax(HE40)	7.5	7.5	7.5
IEEE 802.11be(EHT40)	7.5	7.5	7.5
Frequency (MHz)	6625	6705	6785
IEEE 802.11ax(HE80)	7	7	7
IEEE 802.11be(EHT80)	7	7	7
Frequency (MHz)	6665		
IEEE 802.11ax(HE160)	6.5		
IEEE 802.11be(EHT160)	6		

UNII-8			
Test Software Version	QRCT		
Frequency (MHz)	6895	7015	7115
IEEE 802.11ax(HE20)	6	6	6
IEEE 802.11be(EHT20)	6	6	6
Frequency (MHz)	6925	7005	7085
IEEE 802.11ax(HE40)	7.5	7.5	7.5
IEEE 802.11be(EHT40)	7.5	7.5	7.5
Frequency (MHz)	6945	7025	
IEEE 802.11ax(HE80)	7	7	
IEEE 802.11be(EHT80)	7	7	
Frequency (MHz)	6985		
IEEE 802.11ax(HE160)	6.5		
IEEE 802.11be(EHT160)	6		

UNII-5+UNII-6+UNII-7	
Test Software Version	QRCT
Frequency (MHz)	6425
IEEE 802.11be(EHT320)	6

UNII-6+UNII-7	
Test Software Version	QRCT
Frequency (MHz)	6525
IEEE 802.11ax(HE40)	7.5
IEEE 802.11be(EHT40)	7.5
Frequency (MHz)	6545
IEEE 802.11ax(HE80)	7
IEEE 802.11be(EHT80)	7
Frequency (MHz)	6505
IEEE 802.11ax(HE160)	6.5
IEEE 802.11be(EHT160)	6.5
Frequency (MHz)	6585
IEEE 802.11be(EHT320)	6

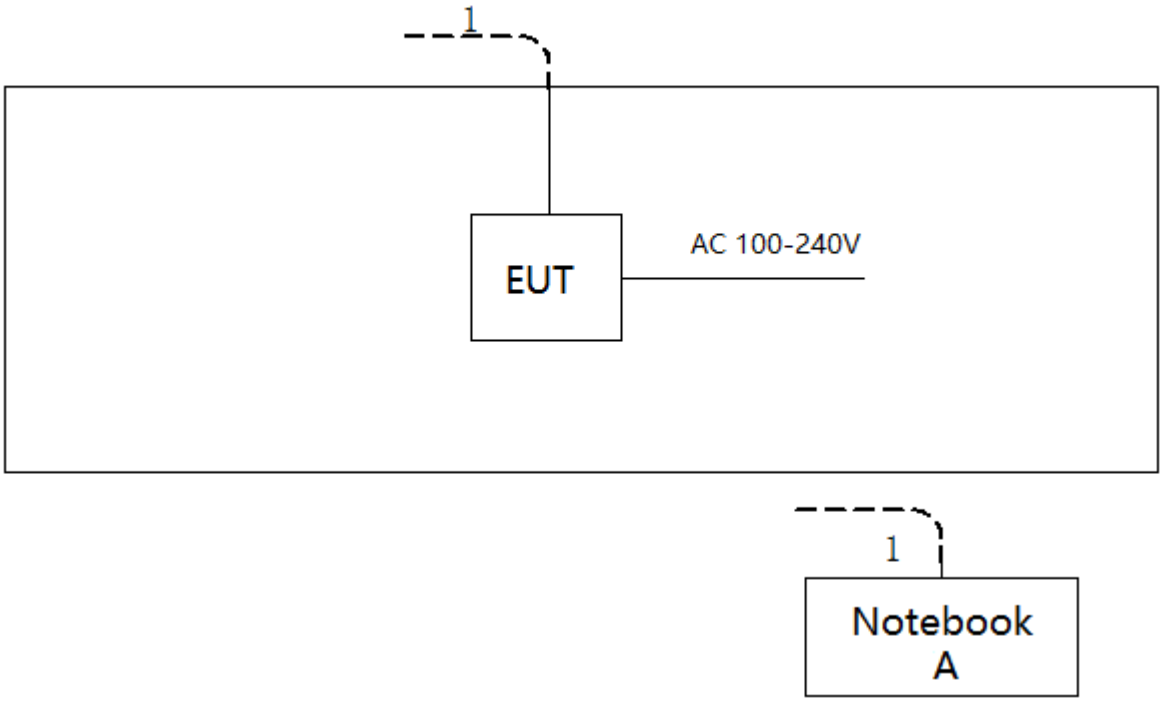
UNII-7+UNII-8	
Test Software Version	QRCT
Frequency (MHz)	6875
IEEE 802.11ax(HE20)	6
IEEE 802.11be(EHT20)	6
Frequency (MHz)	6885
IEEE 802.11ax(HE40)	7.5
IEEE 802.11be(EHT40)	7.5
Frequency (MHz)	6865
IEEE 802.11ax(HE80)	7
IEEE 802.11be(EHT80)	7
Frequency (MHz)	6825
IEEE 802.11ax(HE160)	6.5
IEEE 802.11be(EHT160)	6
Frequency (MHz)	6745
IEEE 802.11be(EHT320)	6
Frequency (MHz)	6905
IEEE 802.11be(EHT320)	6

3.4 DUTY CYCLE

If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.
The output power = measured power + duty factor.
The power spectral density = measured power spectral density + duty factor.

Remark	Delta 1			Delta 2	On Time/Period	10 log(1/Duty Cycle)	1/On Time (B)
Mode	ON (ms)	Numbers (ON)	On Time (B) (ms)	Period (ON+OFF) (ms)	Duty Cycle (%)	Duty Factor (dB)	1/B Minimum VBW (kHz)
IEEE 802.11ax(HE20)	0.9533	1.0000	0.9533	1.0000	0.9533	0.21	1.049
IEEE 802.11ax(HE40)	0.9980	1.0000	0.9980	1.0000	0.9980	0.01	0.010
IEEE 802.11ax(HE80)	0.9382	1.0000	0.9382	1.0000	0.9382	0.28	1.066
IEEE 802.11ax(HE160)	0.9772	1.0000	0.9772	1.0000	0.9772	0.10	1.023
IEEE 802.11be (EHT20)	0.9992	1.0000	0.9992	1.0000	0.9992	0.00	0.010
IEEE 802.11be (EHT40)	0.9928	1.0000	0.9928	1.0000	0.9928	0.03	0.010
IEEE 802.11be (EHT80)	0.9618	1.0000	0.9618	1.0000	0.9618	0.17	1.040
IEEE 802.11be (EHT160)	0.9922	1.0000	0.9922	1.0000	0.9922	0.03	0.010
IEEE 802.11be (EHT320)	0.9618	1.0000	0.9618	1.0000	0.9618	0.17	1.040

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Dell	Inspiron 15-7559	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	USB Cable	NO	NO	10m

3.7 CUSTOMER INFORMATION DESCRIPTION

1) The antenna gain and beamforming gain are provided by the manufacturer.
2) Except for radiated emissions, the results of all test items include cable losses. All cable losses are provided by the testing laboratory.

4. RADIATED EMISSIONS

4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS (Above 1000 MHz)

Frequency (MHz)	EIRP Limit (dBm/MHz)	Band edge at 3m (dBµV/m)	Harmonic at 1m (dBµV/m)
5925-7125	Average: -27	68.2	77.7 (Note 2)

NOTE:

(1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3}$$ µV/m, where P is the eirp (Watts)

(2)

$$FS_{\text{limit}} = FS_{\max} - 20\log\left(\frac{d_{\text{limit}}}{d_{\text{measure}}}\right)$$

20log ($d_{limit}/d_{measure}$)=20log (3/1)=9.5 dB.

4.2 TEST PROCEDURE

a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance of 3 m or 1m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform. (below 1 GHz)
h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn‘t perform. (above 1 GHz)
i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

The following table is the setting of the receiver:

Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

Spectrum Parameters	Setting
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic or 40 GHz, whichever is lower
RBW / VBW (Emission in restricted band)	1 MHz / 3 MHz for PK value 1 MHz / 1/T Hz for AVG value

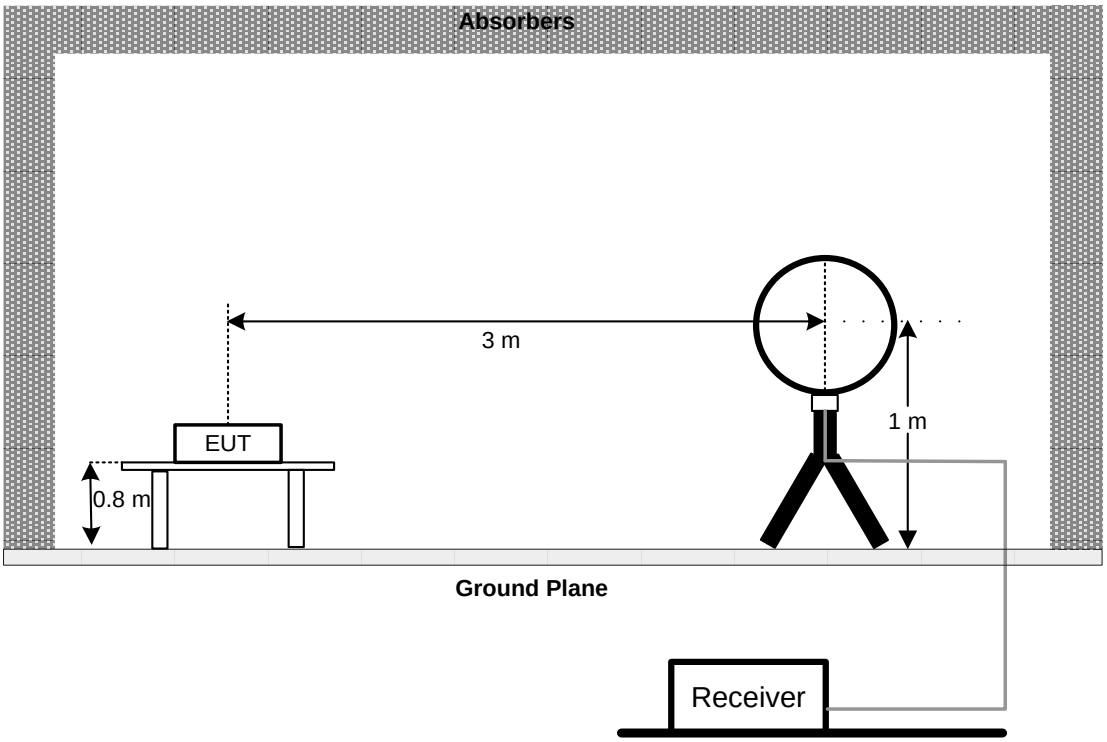
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector
Start ~ Stop Frequency	1 GHz~40 GHz for PK/AVG detector

4.3 DEVIATION FROM TEST STANDARD

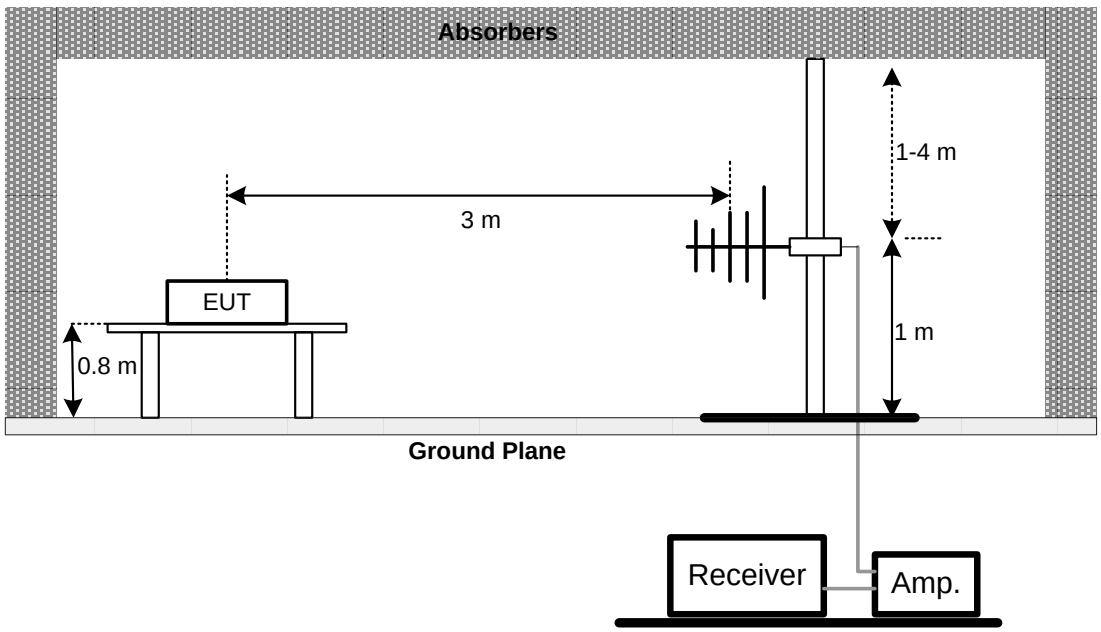
No deviation.

4.4 TEST SETUP

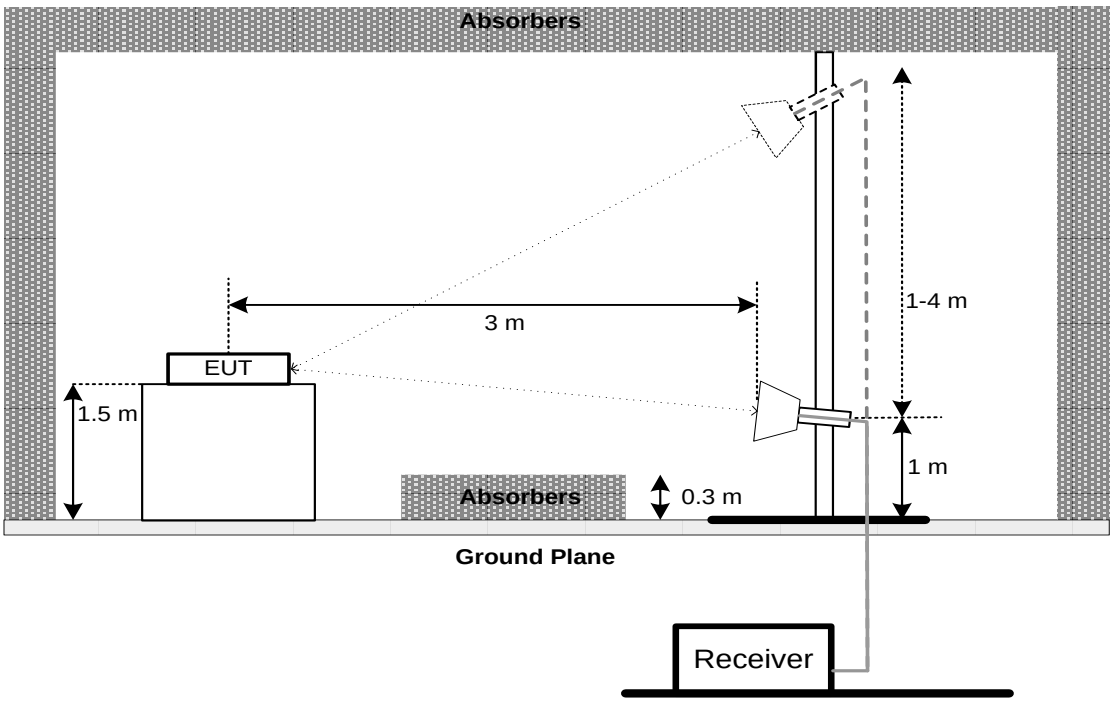
9 kHz to 30 MHz



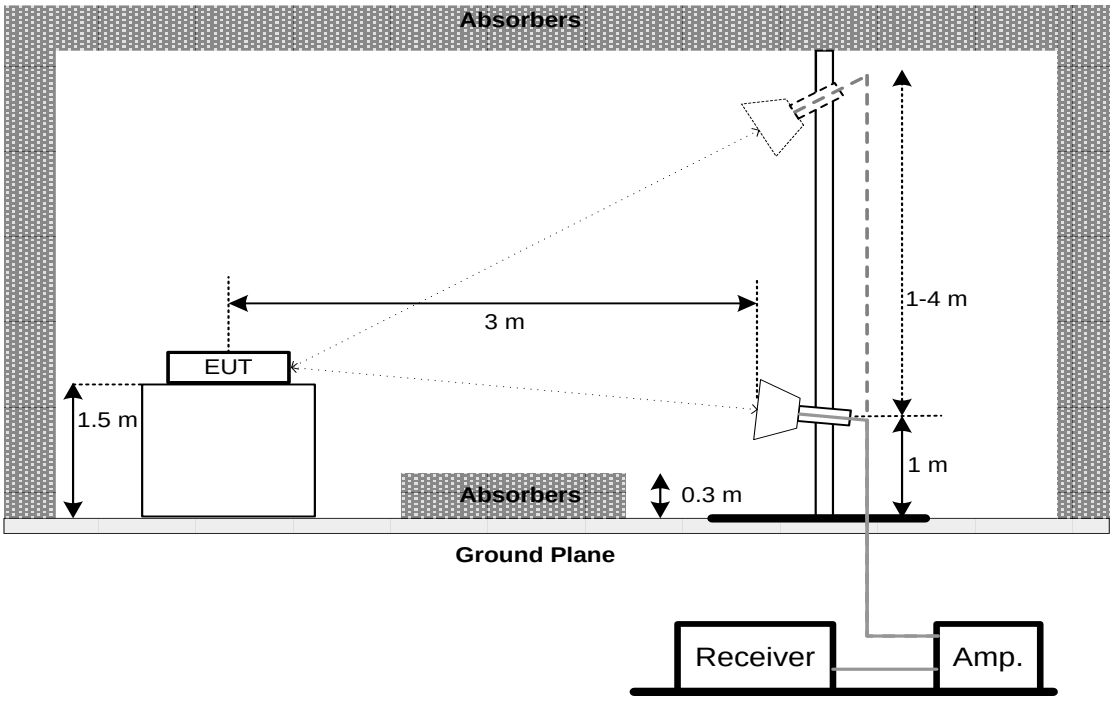
30 MHz to 1 GHz



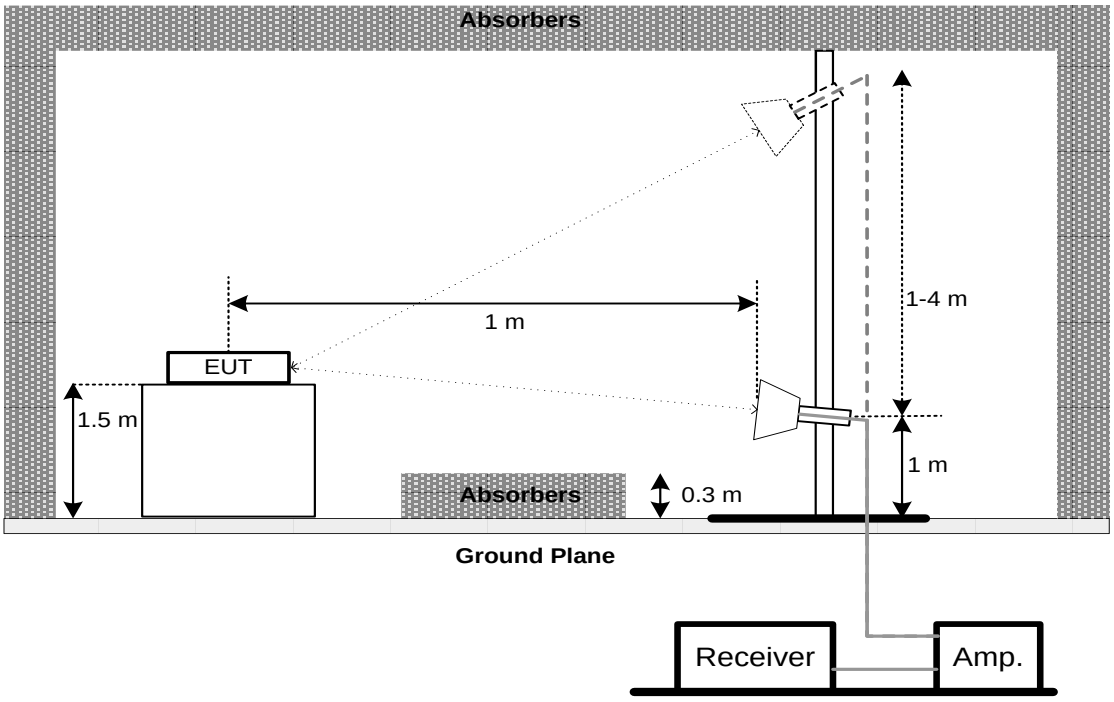
Above 1 GHz
Band edge



Harmonic (1 GHz to 18 GHz)



Harmonic (18 GHz to 40 GHz)



4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

4.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX A.

Remark:

(1) Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
(2) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX B.

4.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX C.

Remark:

(1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5. BANDWIDTH

5.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	99% Occupied Bandwidth	Maximum 320 MHz	5925-7125

5.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.

b. Spectrum Setting:

For 26 dB Bandwidth:

Spectrum Parameter	Setting
Span Frequency	> 26 dB Bandwidth
RBW	Appromiximately 1% of the emission bandwidth
VBW	> RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For 99% Occupied Bandwidth:

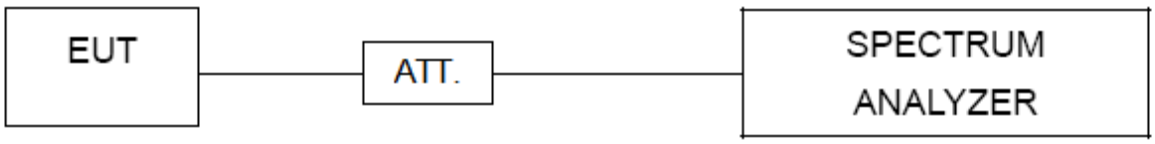
Spectrum Parameter	Setting
Span Frequency	1.5 times to 5 times the OBW
RBW	1% to 5% of the OBW
VBW	≥ 3*RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

c. Measured the spectrum width with power higher than 26 dB below carrier.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX D.

6. MAXIMUM E.I.R.P.

6.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	Maximum e.i.r.p.	Standard power access point and fixed client device 36 dBm	5925-6425 6525-6875
		Indoor access point 30 dBm	
		Subordinate device operating under the control of an indoor access point 30 dBm	
		Client devices operating under the control of a standard power access point 30 dBm	
		Client devices operating under the control of an indoor access point 24 dBm	
		Indoor access point 30 dBm	6425-6525 6875-7125
		Subordinate device operating under the control of an indoor access point 30 dBm	
		Client devices operating under the control of an indoor access point 24 dBm	

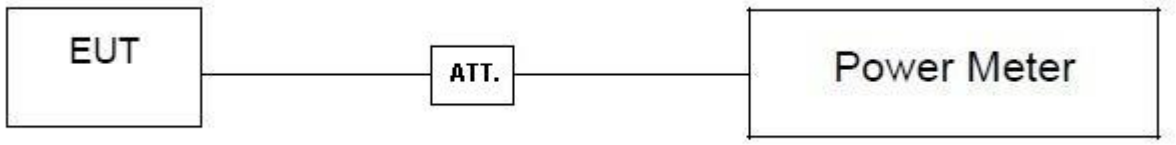
6.2 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
b. Test test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX E.

7. MAXIMUM POWER SPECTRAL DENSITY (E.I.R.P.)

7.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	Maximum Power Spectral Density (e.i.r.p.)	Standard power access point and fixed client device 23 dBm/MHz	5925-6425 6525-6875
		Indoor access point 5 dBm/MHz	
		Subordinate device operating under the control of an indoor access point 5 dBm/MHz	
		Client devices operating under the control of a standard power access point 17 dBm/MHz	
		Client devices operating under the control of an indoor access point -1 dBm/MHz	
		Indoor access point 5 dBm/MHz	6425-6525 6875-7125
		Subordinate device operating under the control of an indoor access point 5 dBm/MHz	
		Client devices operating under the control of an indoor access point -1 dBm/MHz	

7.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.

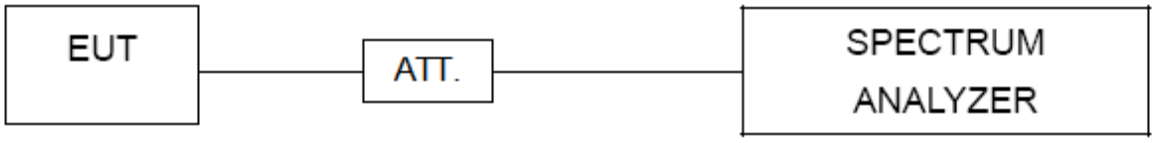
b. Spectrum Setting:

Spectrum Parameter	Setting
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1 MHz
VBW	3 MHz
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

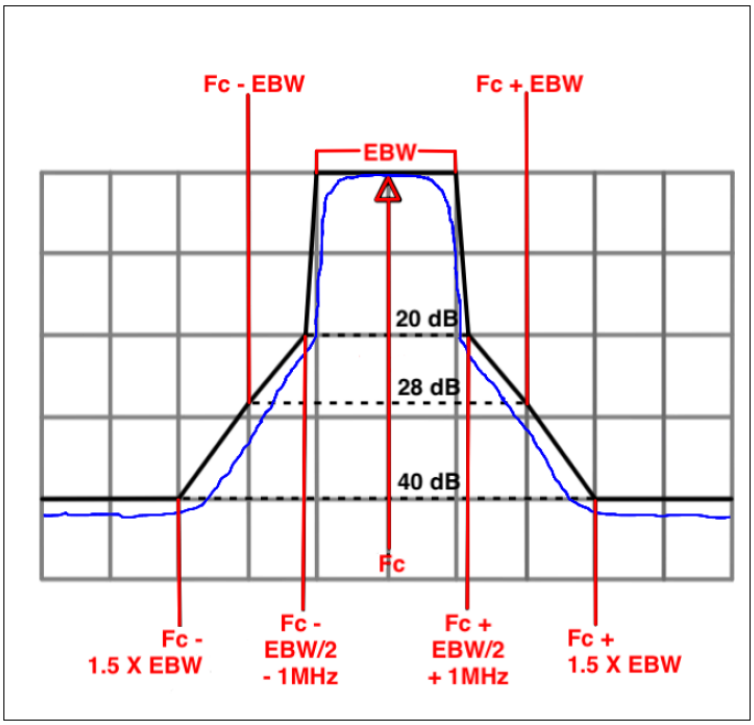
Please refer to the APPENDIX F.

8. IN-BAND EMISSION (MASK)

8.1 LIMIT

Section	Test Item	Frequency Range (MHz)	(X) dBc **(Note 1)**
FCC 15.407(b)	In-Band Emission (Mask)	At 1MHz outside of channel edge	20
		At one channel bandwidth from the channel center **(Note 2)**	28
		At one- and one-half times the channel bandwidth away from channel center **(Note 3)**	40
		More than one- and one-half times the channel bandwidth	40

Note:
1. The power spectral density must be suppressed by “X” dB.
2. At frequencies between one megahertz outside an unlicensed device’s channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression.
3. At frequencies between one and one- and one-half times an unlicensed device’s channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression.



8.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.

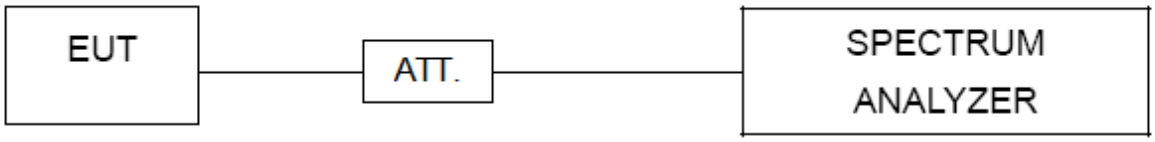
b. Spectrum Setting:

Spectrum Parameter	Setting
Span Frequency	> 26 dB Bandwidth
RBW	Appromiximately 1% of the emission bandwidth
VBW	≥3xRBW
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX G.

9. CONTENTION BASED PROTOCOL

9.1 LIMIT

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices) are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.
Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain. (See note)
To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

Note: The EUT with a lowest gain is 3.07dBi. All power injected into EUT should be -62+3.07=-58.93dBm.

9.2 TEST PROCEDURE

a. Number of times detection threshold:

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leqslant BW_{Inc}$	Once	Tune incumbent and EUT transmissions ($f_{c1}=f_{c2}$)
$BW_{Inc} < BW_{EUT} \leqslant 2BW_{Inc}$	Once	Incumbent transmission is contained within BW_{EUT}
$2BW_{Inc} < BW_{EUT} \leqslant 4BW_{Inc}$	Twice. Incumbent transmission is contained within BW_{EUT}	Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel
$BW_{EUT} > 4BW_{Inc}$	Three times	Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of EUT channel, and as closely as possible to the upper edge of the EUT channel

Where:
BW_{EUT}: Transmission bandwidth of EUT signal.
BW_{Inc}: Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal).
f_{c1}: Center frequency of EUT transmission.
f_{c2}: Center frequency of simulated incumbent signal.

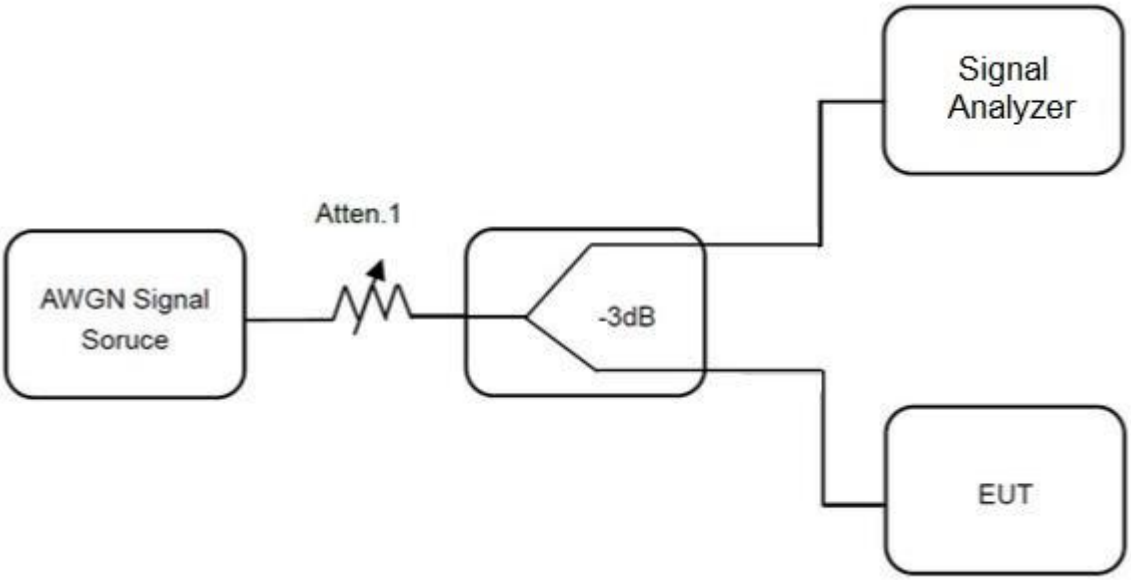
b. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use step b table to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
c. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer and the EUT as show in the block diagram below.
d. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer.
e. Monitor the signal analyzer to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.

f. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
g. Refer to step b table to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step c, choose a different center frequency for the AWGN signal and repeat the process.

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

The EUT was Configured to be in normally transmitting mode with a constant duty cycle.

9.6 TEST RESULTS

Please refer to the APPENDIX H.

10. MEASUREMENT INSTRUMENTS LIST

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EMCI	EMCI LPA600	275	Mar. 12, 2025
2	MXE EMI Receiver	Keysight	N9038A	MY56400088	Feb. 2, 2025
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1	N/A	N/A
4	Pre-Amplifier	emci	EMC9135	980401	Feb. 2, 2025

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	emci	VULB 9168	1467	Mar. 12, 2025
2	Pre-Amplifier	emci	EMC9135	980401	Feb. 2, 2025
3	MXE EMI Receiver	Keysight	N9038A	MY56400088	Feb. 2, 2025
4	Test Cable	emci	EMC104-SM-SM-7 000	181020	May 20, 2025
5	Test Cable	emci	RWP50-4.6A-SMS M-1M	20200928 002	May 20, 2025
6	Test Cable	emci	EMC104-SM-SM-2 500	170618	May 20, 2025
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1	N/A	N/A

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	BBHA 9120D	9120D-1817	Mar. 12, 2025
2	Pre-Amplifier	emci	EMC051845SE	980725	Jul. 12, 2025
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480579	Feb. 2, 2025
4	Test Cable	emci	EMC104-SM-SM-7 000	181020	May 20, 2025
5	Test Cable	emci	RWP50-4.6A-SMS M-1M	20200928 002	May 20, 2025
6	Test Cable	emci	EMC104-SM-SM-2 500	170618	May 20, 2025
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1	N/A	N/A
8	Antenna	Schwarzbeck	BBHA9170	9170-651	Mar. 15, 2025
9	Pre-Amplifier	EMC INSTRUMENT	EMC184045B	980265	Feb. 2, 2025
10	Test Cable	emci	100% S-Parameter Recorded	F02-150819-039	Oct. 21, 2024
11	Test Cable	emci	EMC104-SM-SM-2 500	170616	Oct. 21, 2024
12	Test Cable		EMC104-SM-SM-2 500	170652	Oct. 21, 2024

Bandwidth & Maximum Power Spectral Density & In-Band Emission (Mask)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY56200484	Jul. 12, 2025
2	Frequency Extender	Keysight	N5182BX07	MY61500105	Jul. 12, 2025
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Jul. 12, 2025
4	BTL_FCC_WiFi_6E_TestSystem	BTL	BTL_FCC_WiFi_6E_TestSystem	Ver 1.10094	N/A
5	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Jul. 12, 2025

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY56200484	Jul. 12, 2025
2	Frequency Extender	Keysight	N5182BX07	MY61500105	Jul. 12, 2025
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Jul. 12, 2025
4	BTL_FCC_WiFi_6E_TestSystem	BTL	BTL_FCC_WiFi_6E_TestSystem	Ver 1.10094	N/A
5	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Jul. 12, 2025

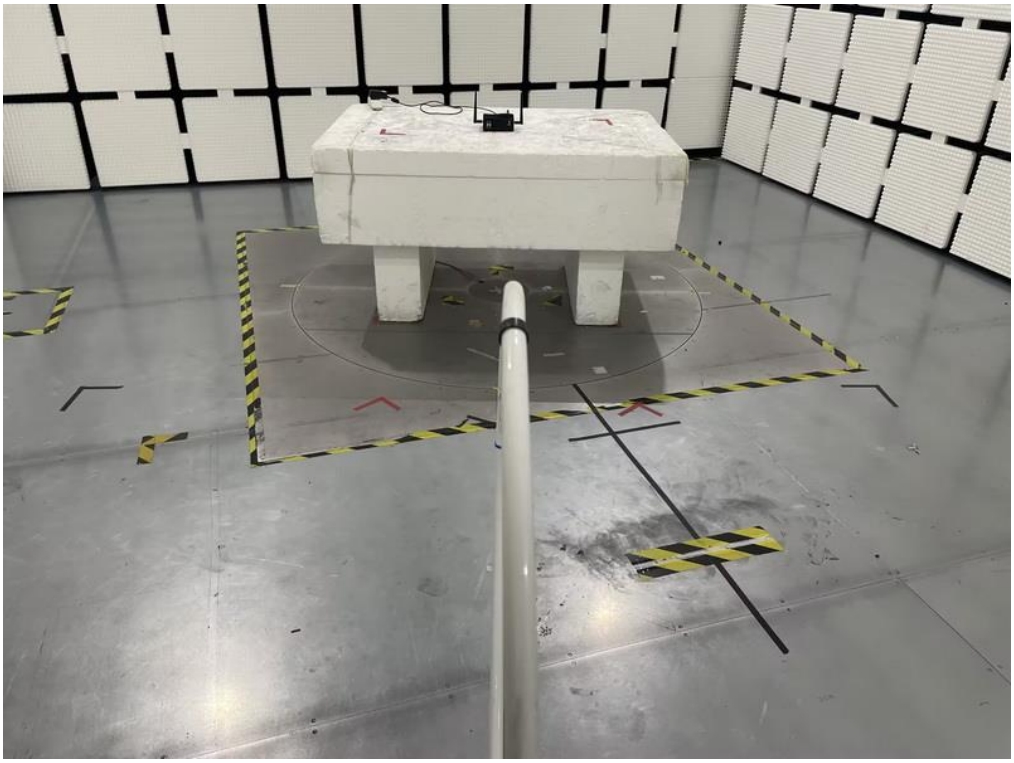
Contention Based Protocol					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY56200484	Jul. 12, 2025
2	Frequency Extender	Keysight	N5182BX07	MY61500105	Jul. 12, 2025
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Jul. 12, 2025
4	BTL_FCC_WiFi_6E_TestSystem	BTL	BTL_FCC_WiFi_6E_TestSystem	Ver 1.10094	N/A
5	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Jul. 12, 2025

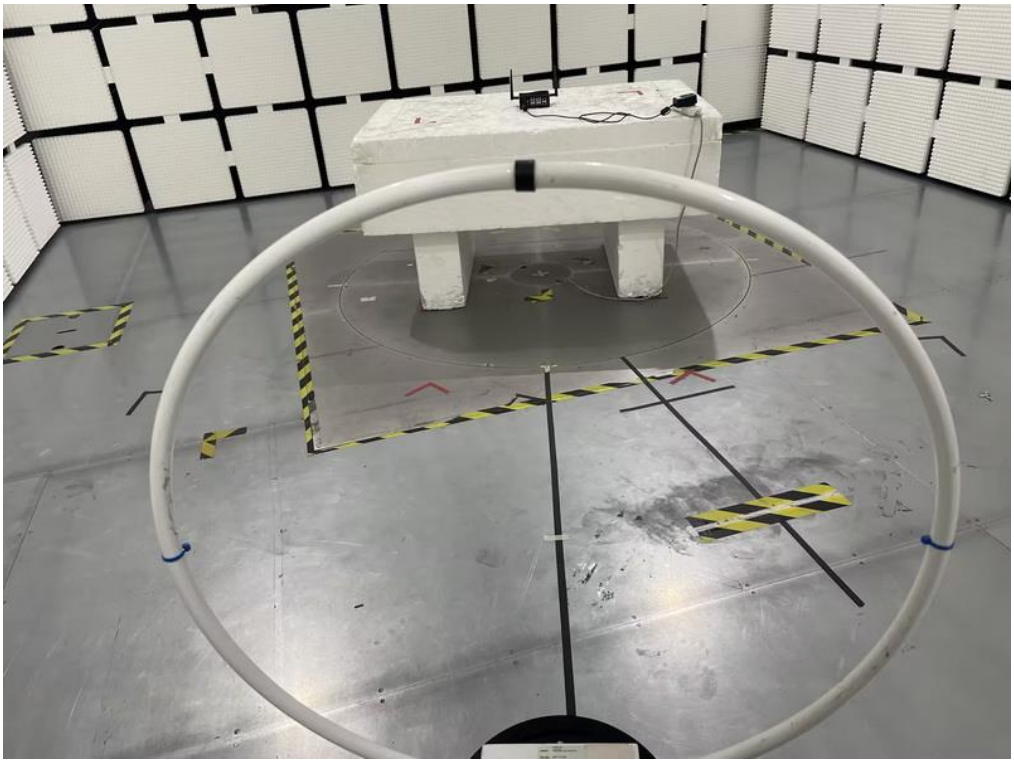
Remark: “N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

11. EUT TEST PHOTOS

Radiated Emissions Test Photos

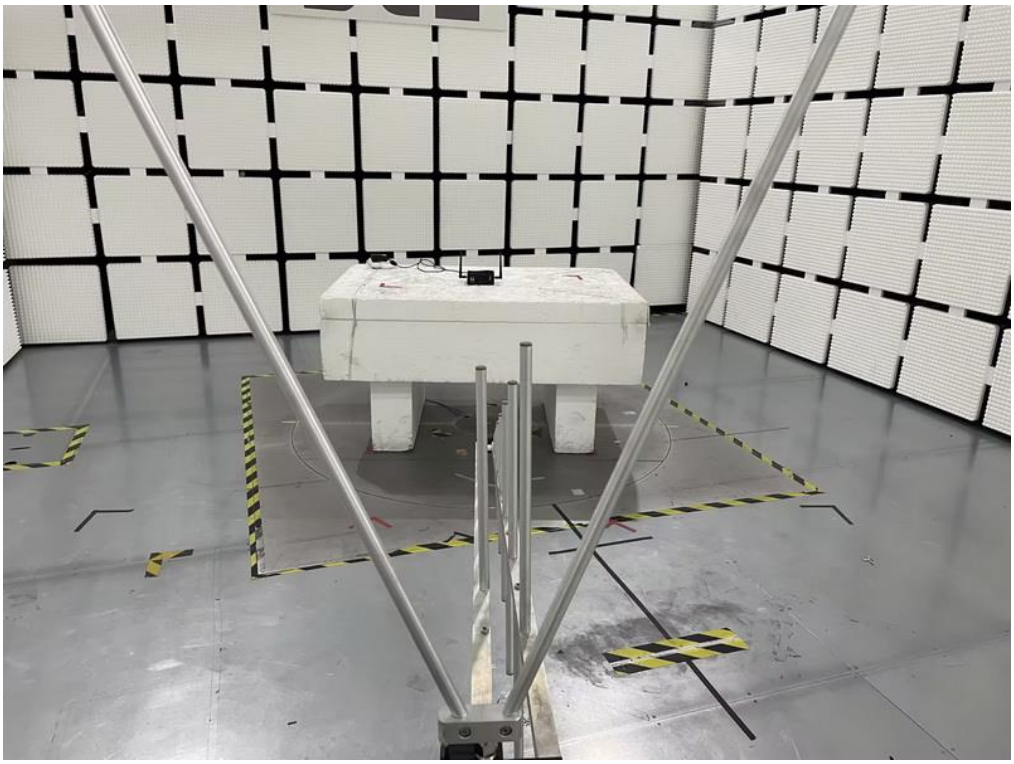
9 kHz to 30 MHz

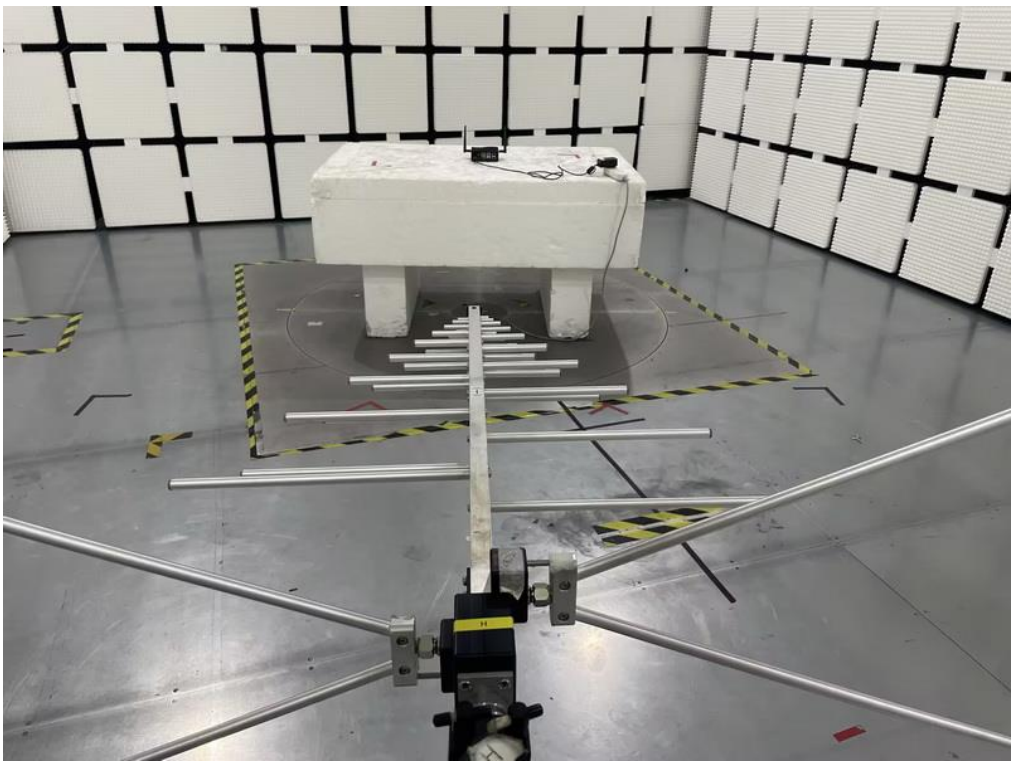




Radiated Emissions Test Photos

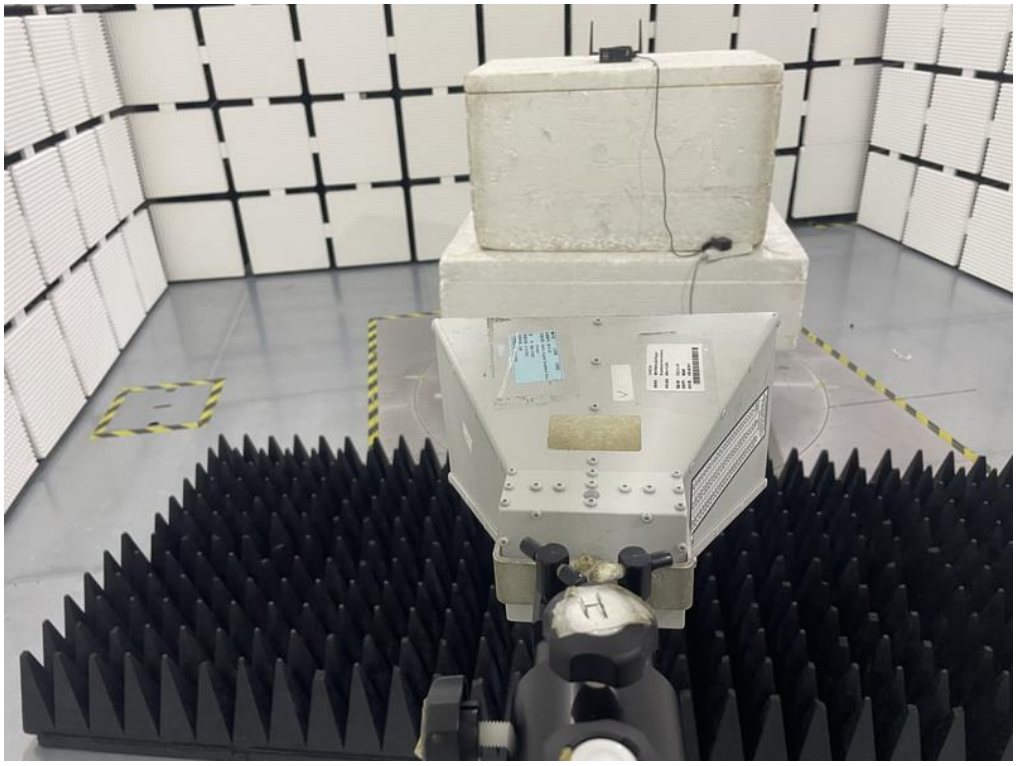
30 MHz to 1000 MHz

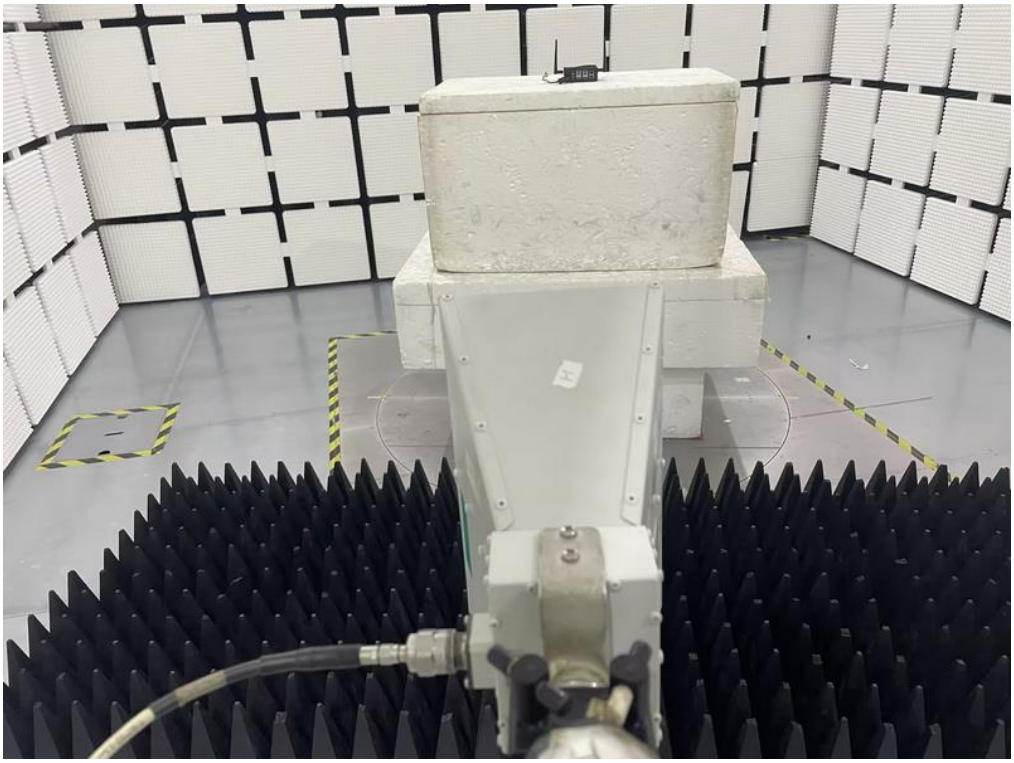




Radiated Emissions Test Photos

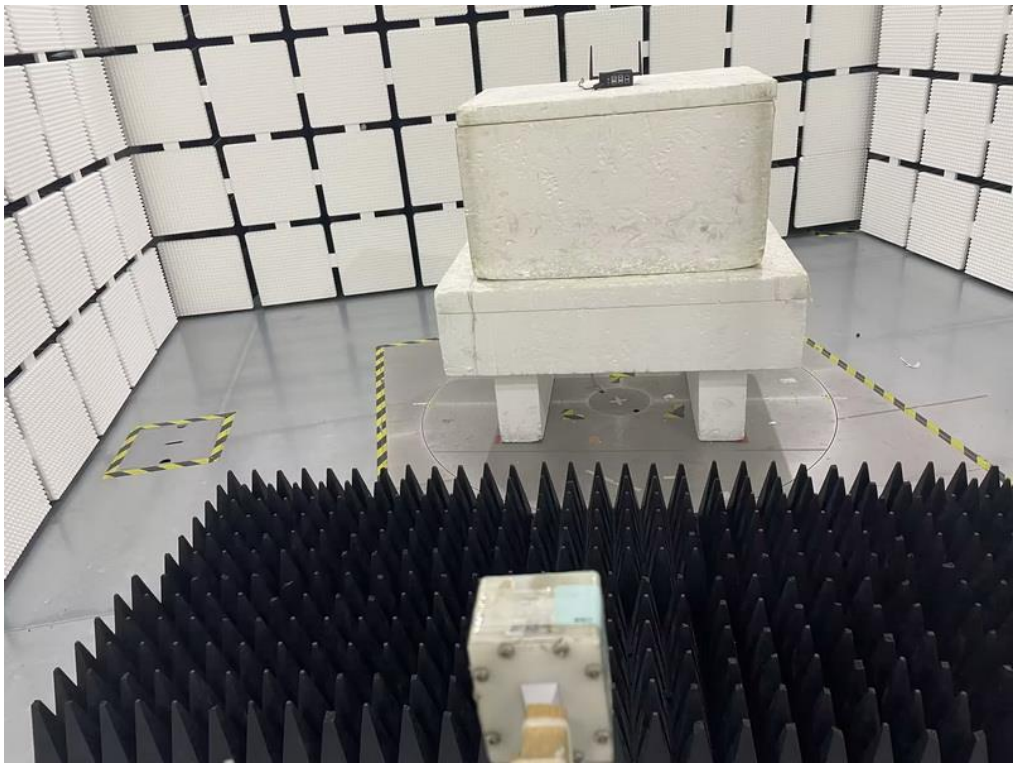
Above 1 GHz

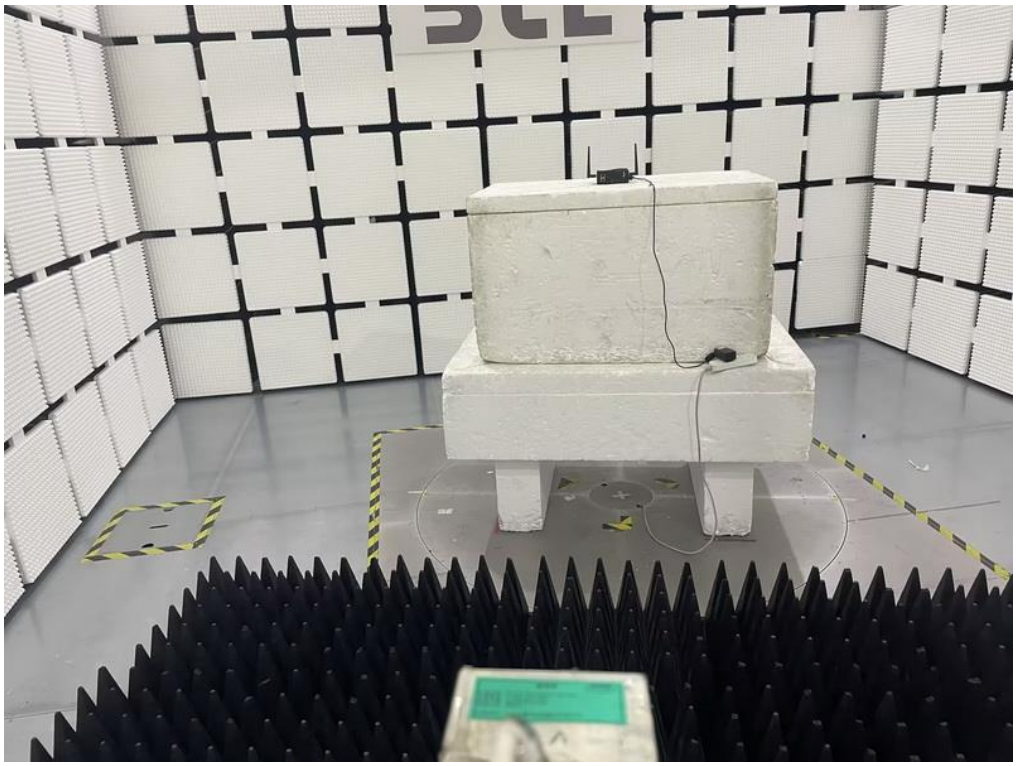




Radiated Emissions Test Photos

Above 18 GHz

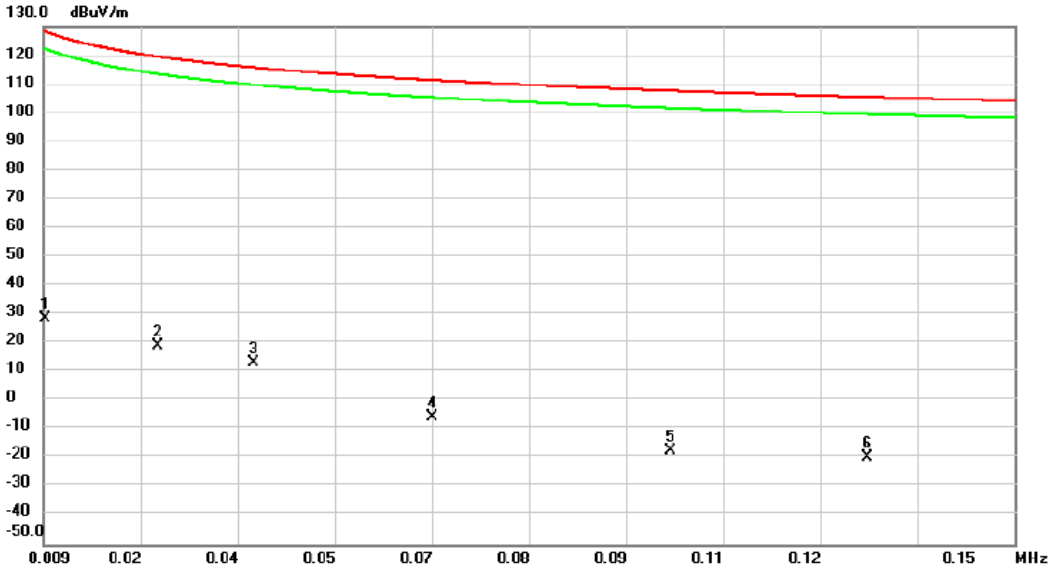




Close-up photo

APPENDIX A - RADIATED EMISSION - 9 KHZ TO 30 MHZ

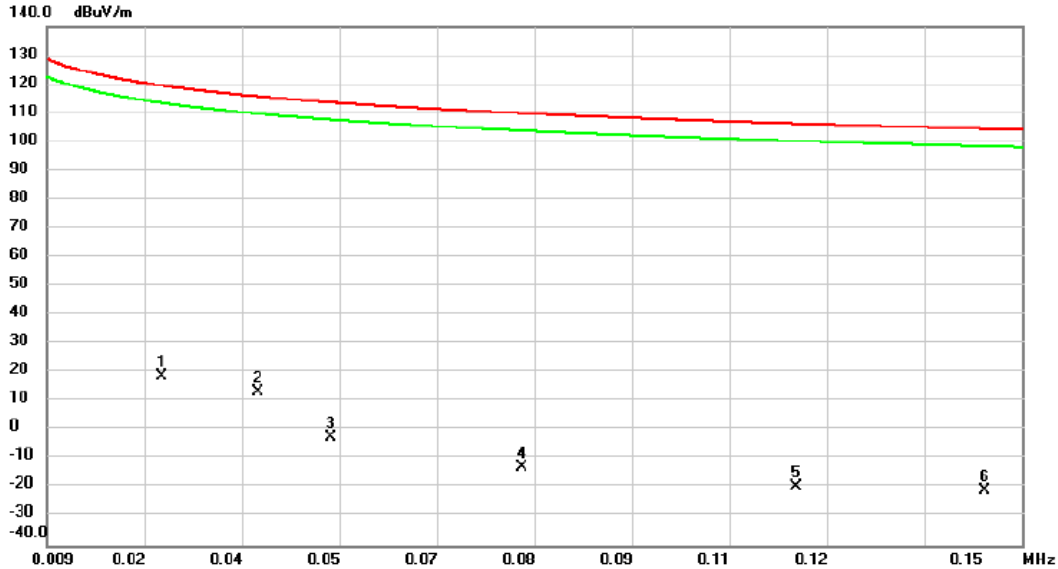
Test Mode	TX AX(HE20) Mode Channel 117	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	0.0093	10.84	17.87	28.71	128.24	-99.53	peak			
2		0.0256	18.15	0.85	19.00	119.44	-100.44	peak			
3		0.0396	19.92	-6.57	13.35	115.65	-102.30	peak			
4		0.0655	8.44	-14.17	-5.73	111.28	-117.01	peak			
5		0.1000	5.16	-22.50	-17.34	107.61	-124.95	peak			
6		0.1287	5.76	-25.52	-19.76	105.42	-125.18	peak			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

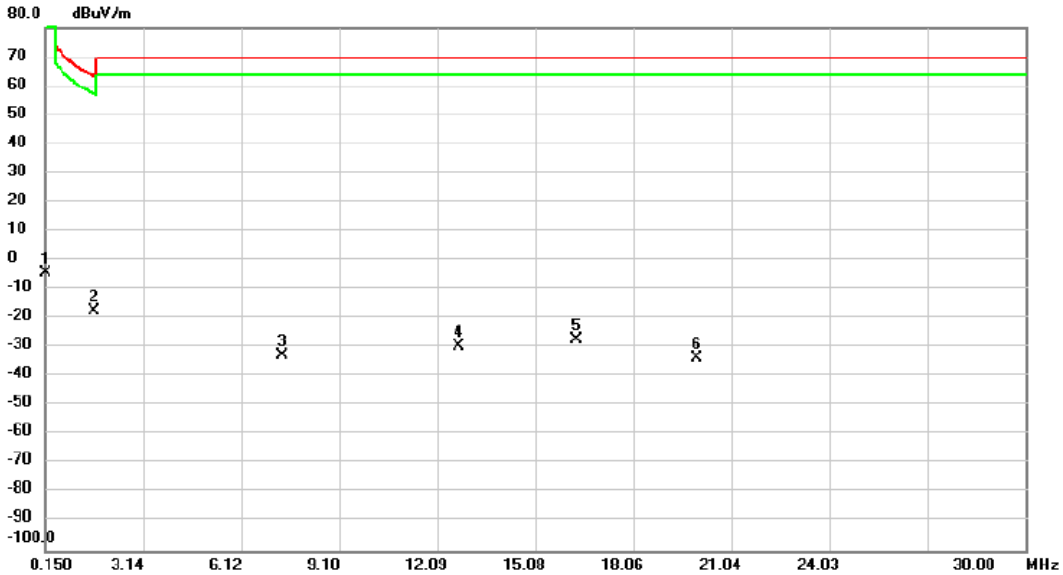
Test Mode	TX AX(HE20) Mode Channel 117	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	0.0256	18.03	0.85	18.88	119.44	-100.56	peak			
2		0.0396	19.75	-6.57	13.18	115.65	-102.47	peak			
3		0.0500	7.51	-9.91	-2.40	113.63	-116.03	peak			
4		0.0778	4.48	-17.36	-12.88	109.79	-122.67	peak			
5		0.1173	4.94	-24.37	-19.43	106.22	-125.65	peak			
6		0.1446	6.06	-27.01	-20.95	104.40	-125.35	peak			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

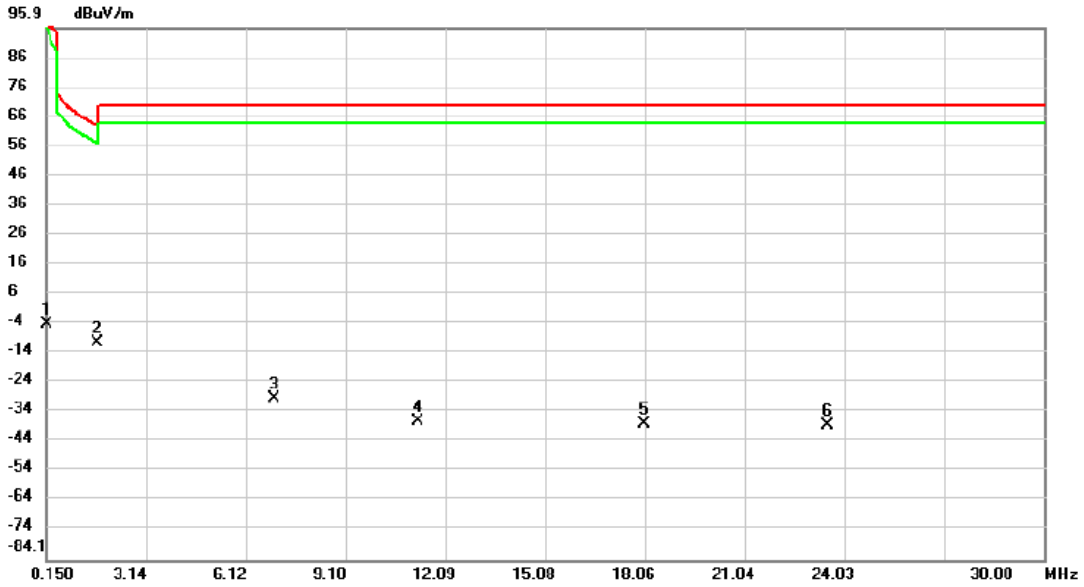
Test Mode	TX AX(HE20) Mode Channel 117	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		0.1500	22.95	-27.51	-4.56	104.09	-108.65	peak			
2	*	1.6425	32.09	-49.41	-17.32	63.29	-80.61	peak			
3		7.3886	19.95	-52.73	-32.78	69.54	-102.32	peak			
4		12.7467	23.93	-53.49	-29.56	69.54	-99.10	peak			
5		16.3435	26.86	-54.27	-27.41	69.54	-96.95	peak			
6		19.9853	21.51	-55.24	-33.73	69.54	-103.27	peak			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE20) Mode Channel 117	Polarization	Horizontal

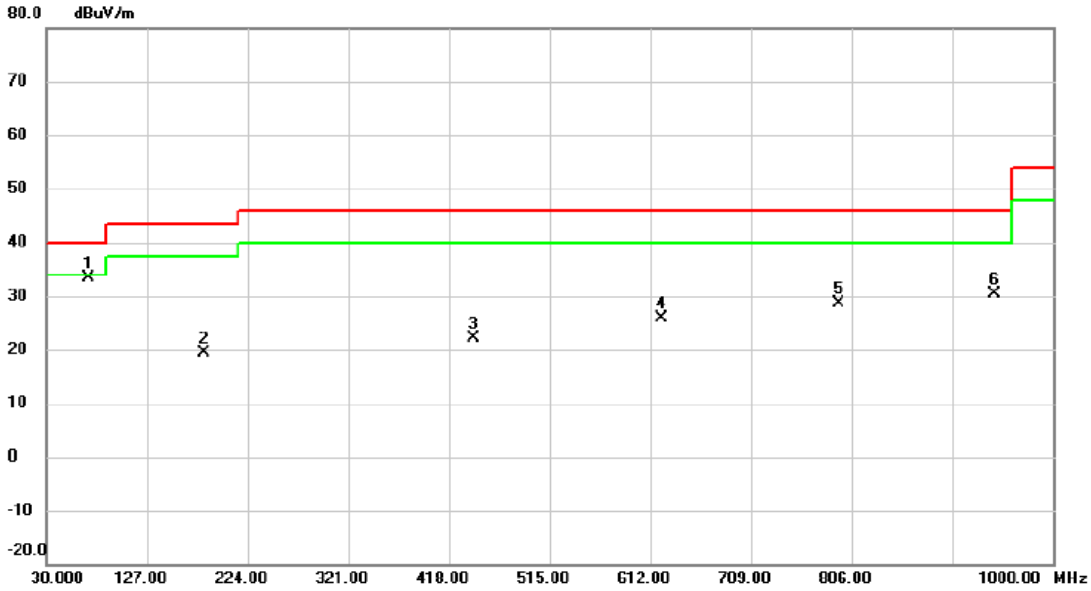


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		0.1500	23.20	-27.51	-4.31	104.09	-108.40	peak			
2	*	1.6873	38.99	-49.53	-10.54	63.06	-73.60	peak			
3		6.9558	23.36	-52.77	-29.41	69.54	-98.95	peak			
4		11.2691	16.54	-53.39	-36.85	69.54	-106.39	peak			
5		18.0600	16.94	-54.89	-37.95	69.54	-107.49	peak			
6		23.5375	17.87	-56.40	-38.53	69.54	-108.07	peak			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX B - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

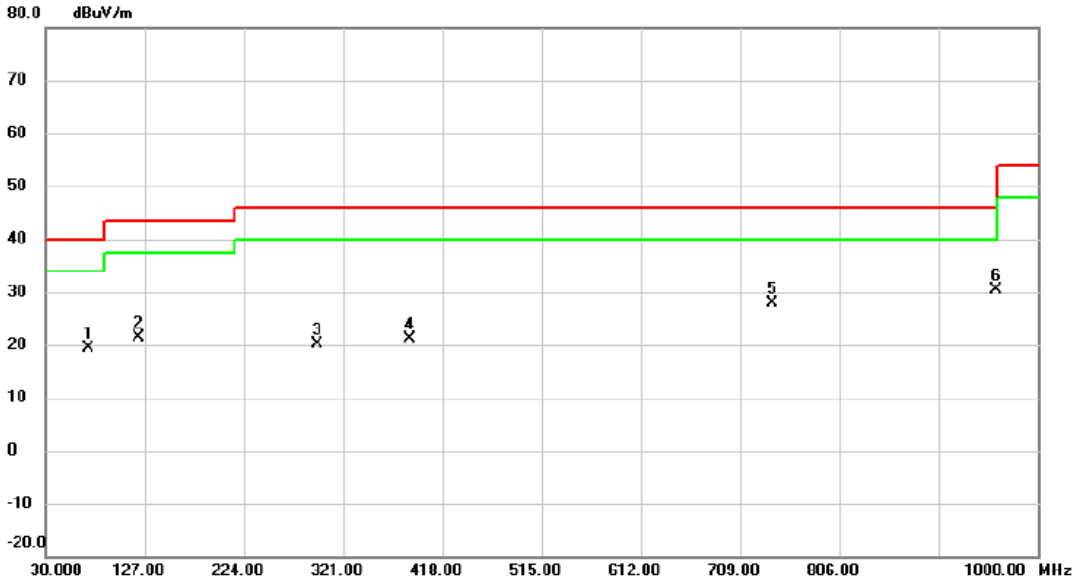
Test Mode	TX AX(HE20) Mode Channel 117	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	71.2250	51.72	-18.45	33.27	40.00	-6.73	peak			
2		181.8050	36.39	-17.12	19.27	43.50	-24.23	peak			
3		441.2800	33.23	-11.16	22.07	46.00	-23.93	peak			
4		622.6700	33.32	-7.48	25.84	46.00	-20.16	peak			
5		793.3900	33.70	-5.16	28.54	46.00	-17.46	peak			
6		943.2550	33.91	-3.55	30.36	46.00	-15.64	peak			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AX(HE20) Mode Channel 117	Polarization	Horizontal

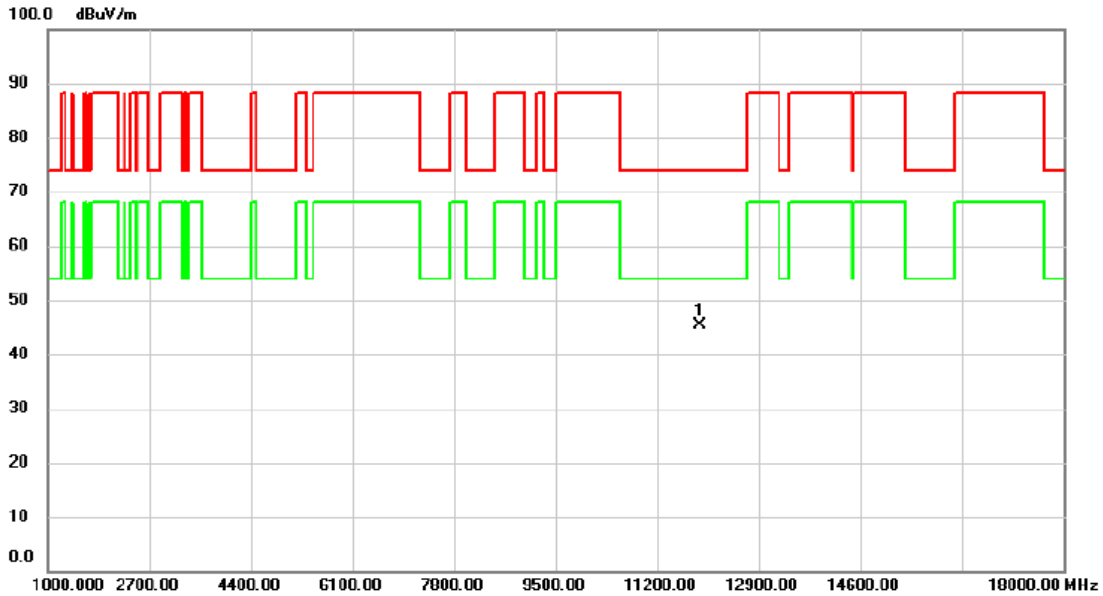


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		71.7100	37.87	-18.57	19.30	40.00	-20.70	peak			
2		120.6950	39.18	-17.81	21.37	43.50	-22.13	peak			
3		295.2950	34.62	-14.53	20.09	46.00	-25.91	peak			
4		386.4750	33.37	-12.34	21.03	46.00	-24.97	peak			
5		740.0400	33.98	-6.04	27.94	46.00	-18.06	peak			
6	*	959.7450	33.70	-3.34	30.36	46.00	-15.64	peak			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX C - RADIATED EMISSION - ABOVE 1000 MHZ

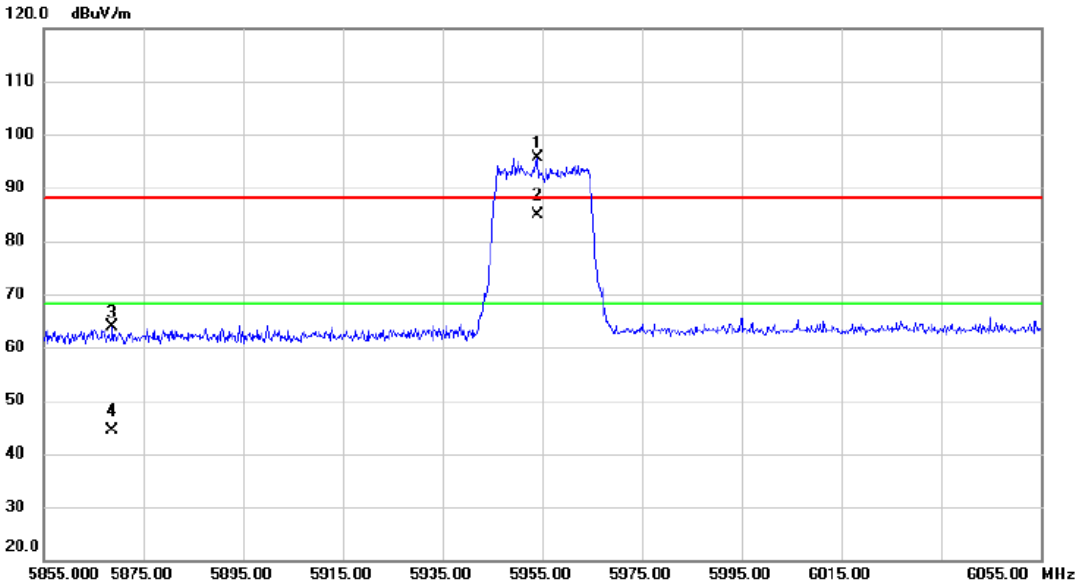
Test Mode	UNII-5_TX AX(HE20) Mode 5955 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11910.00	50.67	-5.26	45.41	74.00	-28.59	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

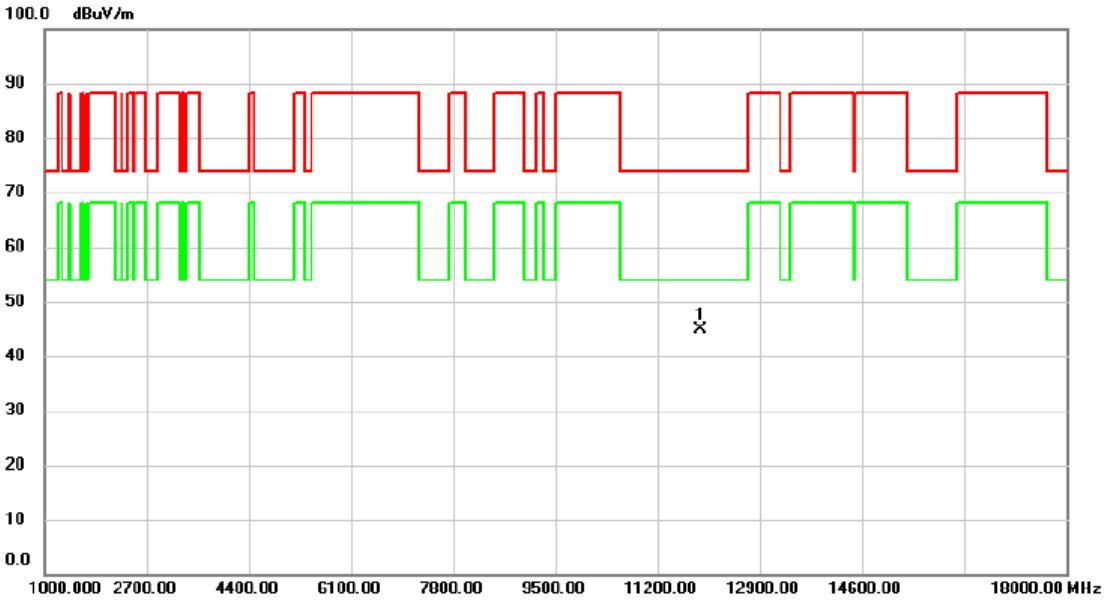
Test Mode	UNII-5_TX AX(HE20) Mode 5955 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	5954.100	55.71	39.96	95.67	88.20	7.47	peak			
2	*	5954.100	45.04	39.96	85.00	68.20	16.80	AVG			
3		5868.800	24.21	39.78	63.99	88.20	-24.21	peak			
4		5868.800	4.67	39.78	44.45	68.20	-23.75	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

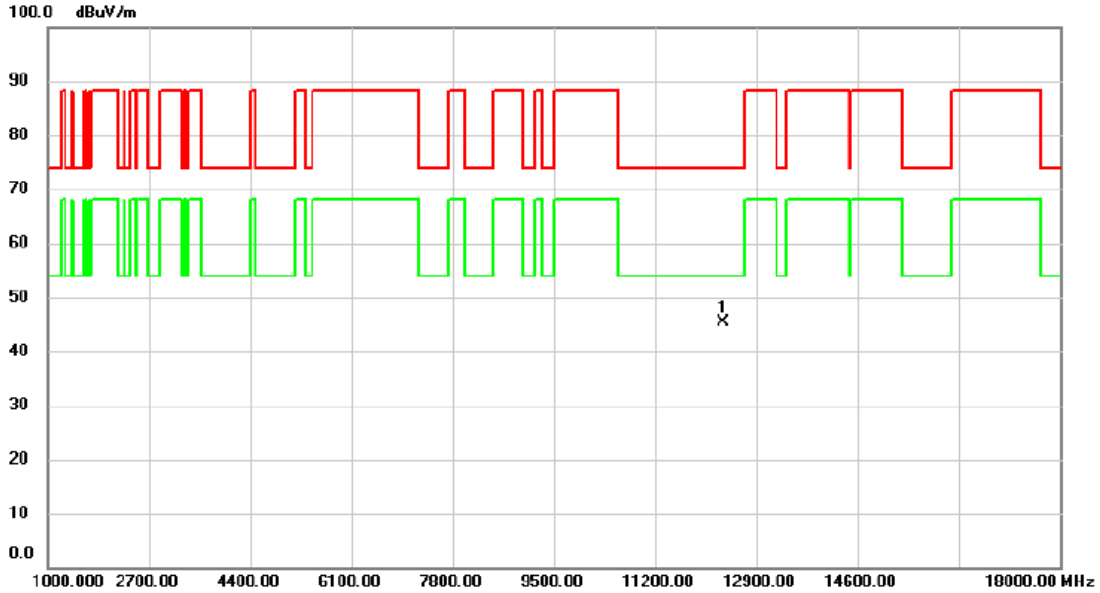
Test Mode	UNII-5_TX AX(HE20) Mode 5955 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11910.00	50.24	-5.26	44.98	74.00	-29.02	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

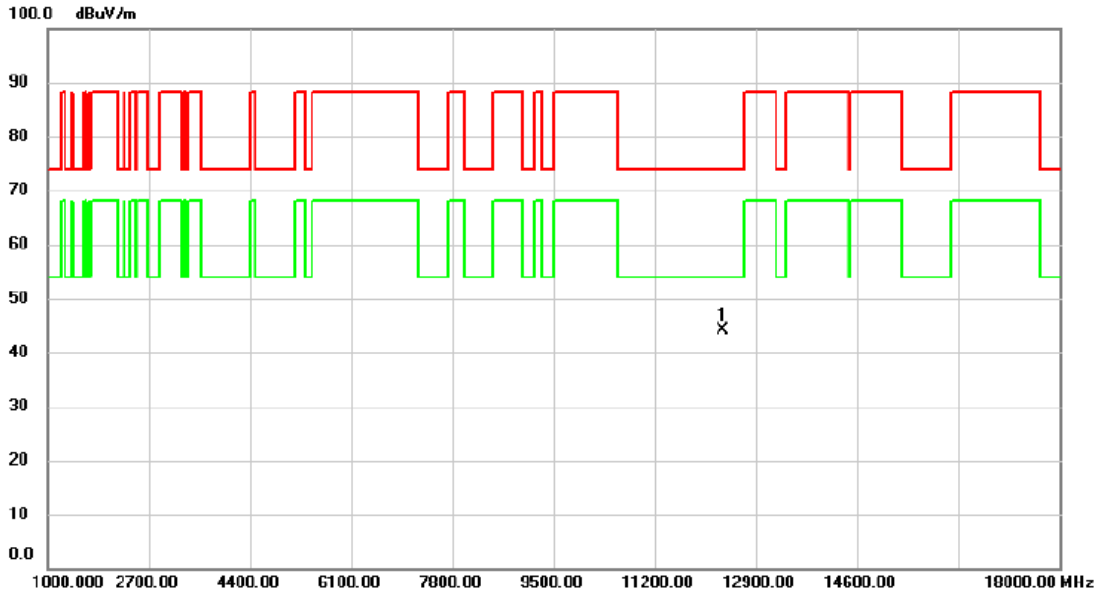
Test Mode	UNII-5_TX AX(HE20) Mode 6175 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12350.00	50.23	-4.96	45.27	74.00	-28.73	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

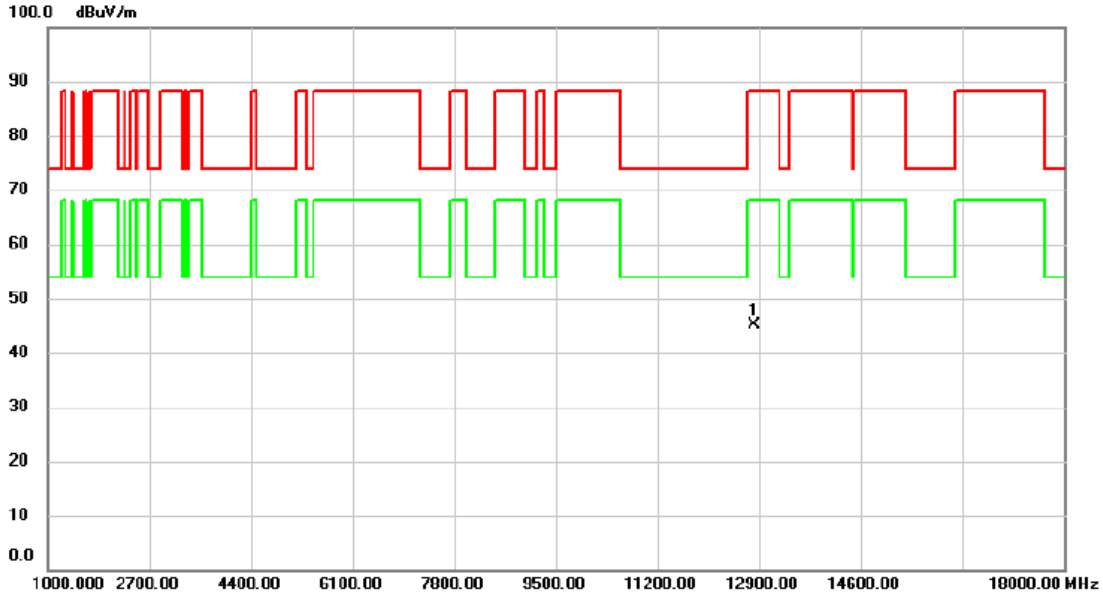
Test Mode	UNII-5_TX AX(HE20) Mode 6175 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12350.00	49.21	-4.96	44.25	74.00	-29.75	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

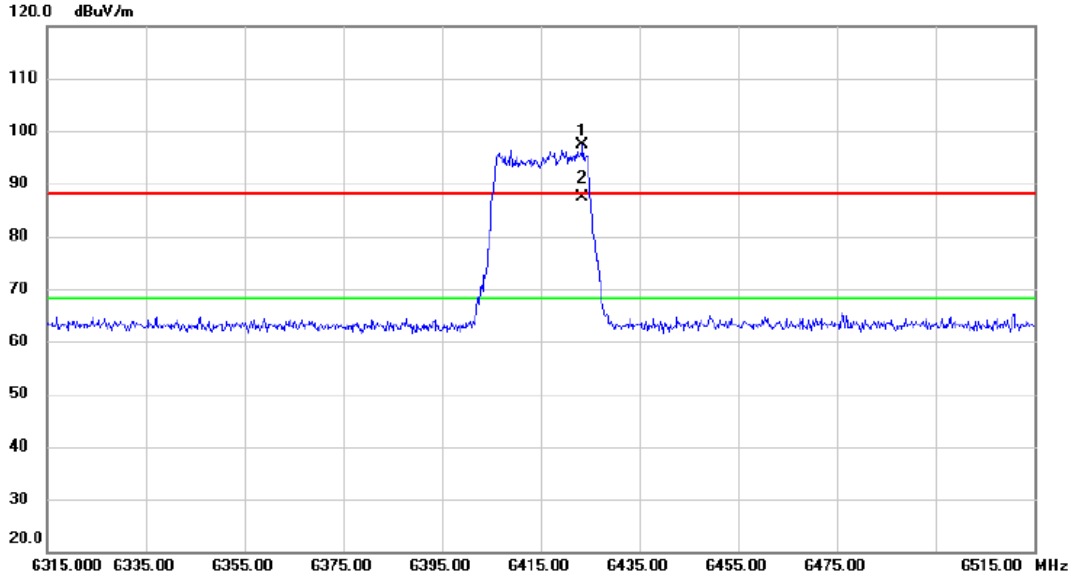
Test Mode	UNII-5_TX AX(HE20) Mode 6415 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12830.00	48.80	-3.71	45.09	88.20	-43.11	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

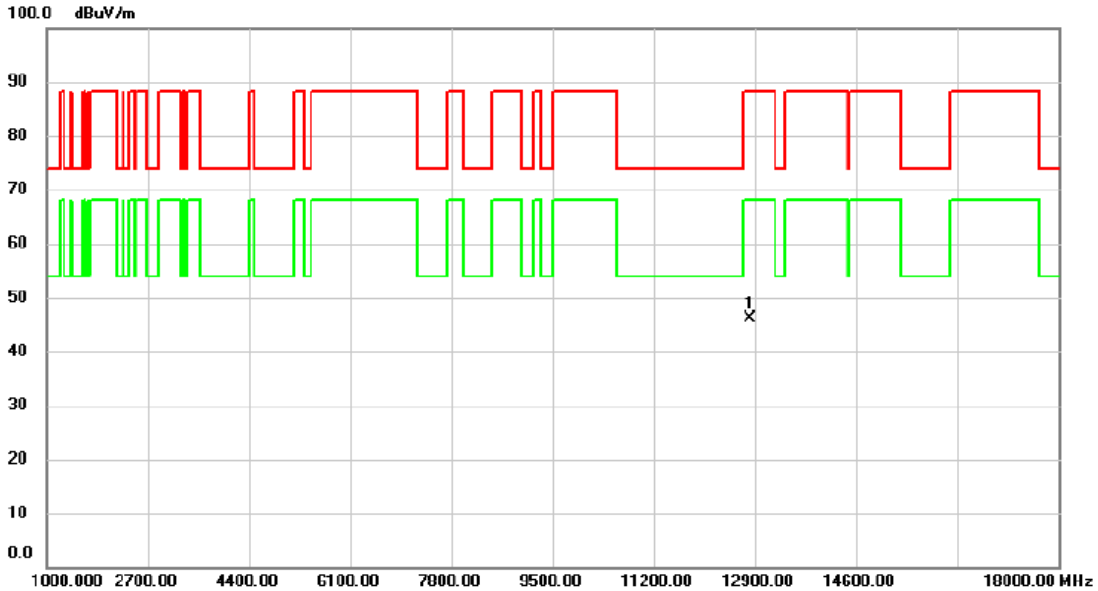
Test Mode	UNII-5_TX AX(HE20) Mode 6415 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	6423.500	55.98	41.30	97.28	88.20	9.08	peak			
2	*	6423.500	46.11	41.30	87.41	68.20	19.21	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

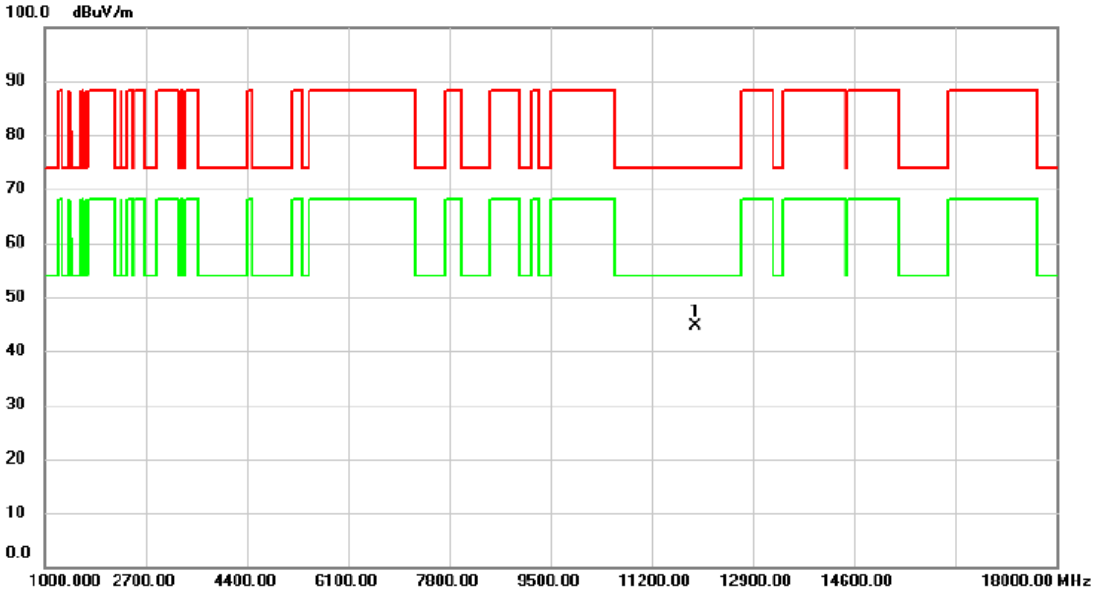
Test Mode	UNII-5_TX AX(HE20) Mode 6415 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12830.00	49.74	-3.71	46.03	88.20	-42.17	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

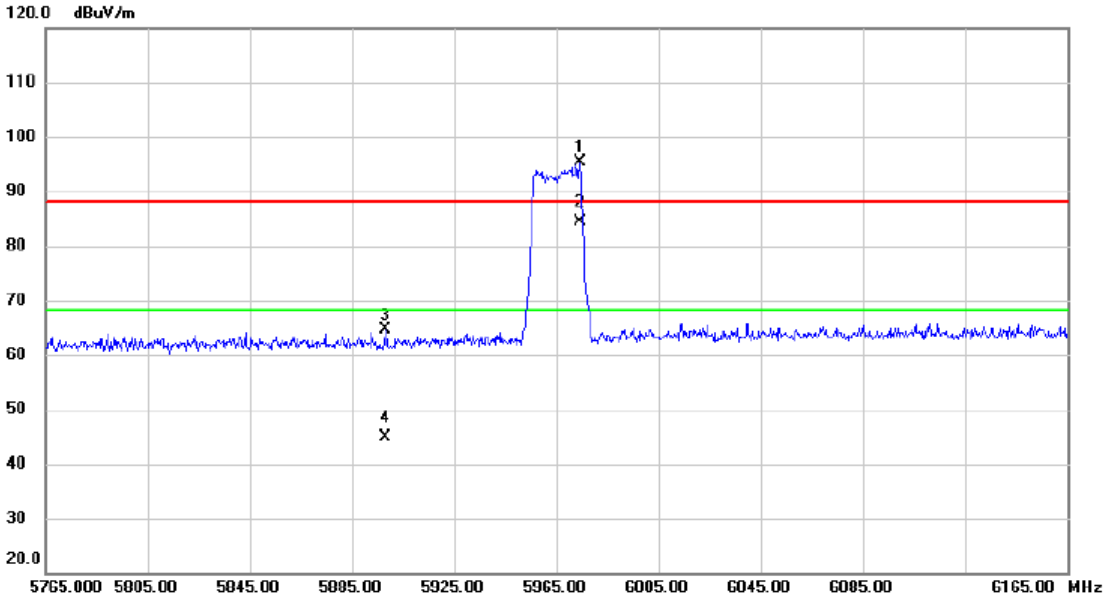
Test Mode	UNII-5_TX AX(HE40) Mode 5965 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11930.00	49.91	-5.28	44.63	74.00	-29.37	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

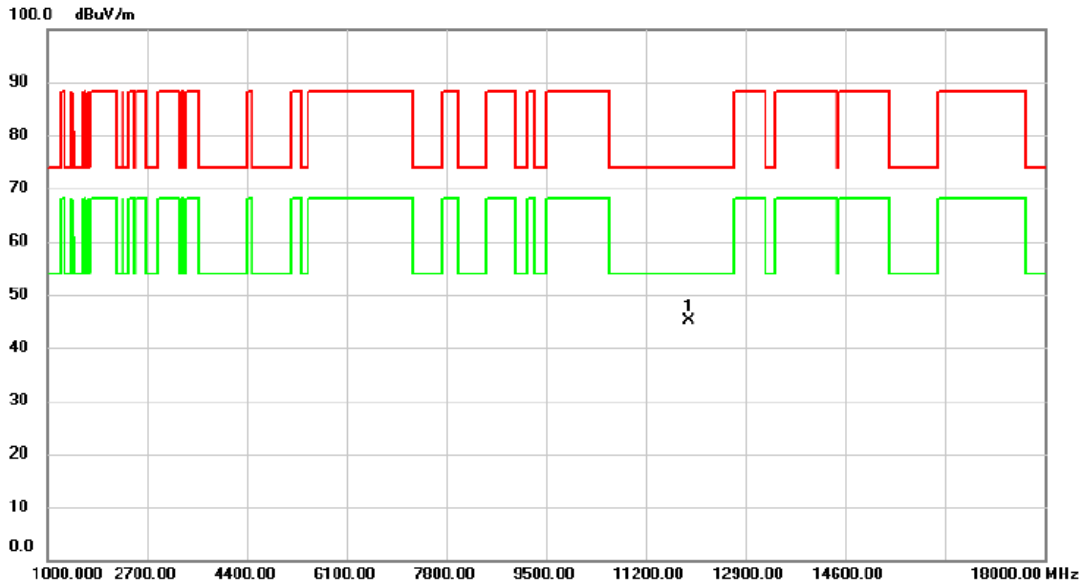
Test Mode	UNII-5_TX AX(HE40) Mode 5965 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	5974.400	55.49	40.00	95.49	88.20	7.29	peak			
2	*	5974.400	44.45	40.00	84.45	68.20	16.25	AVG			
3		5898.200	24.83	39.84	64.67	88.20	-23.53	peak			
4		5898.200	4.94	39.84	44.78	68.20	-23.42	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

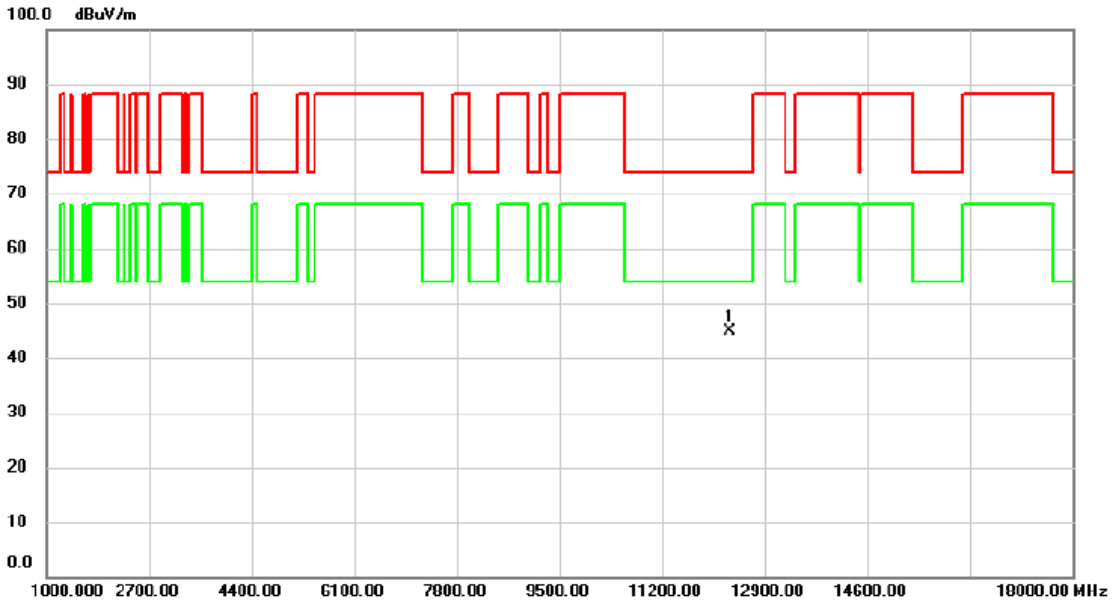
Test Mode	UNII-5_TX AX(HE40) Mode 5965 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11930.00	50.30	-5.28	45.02	74.00	-28.98	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

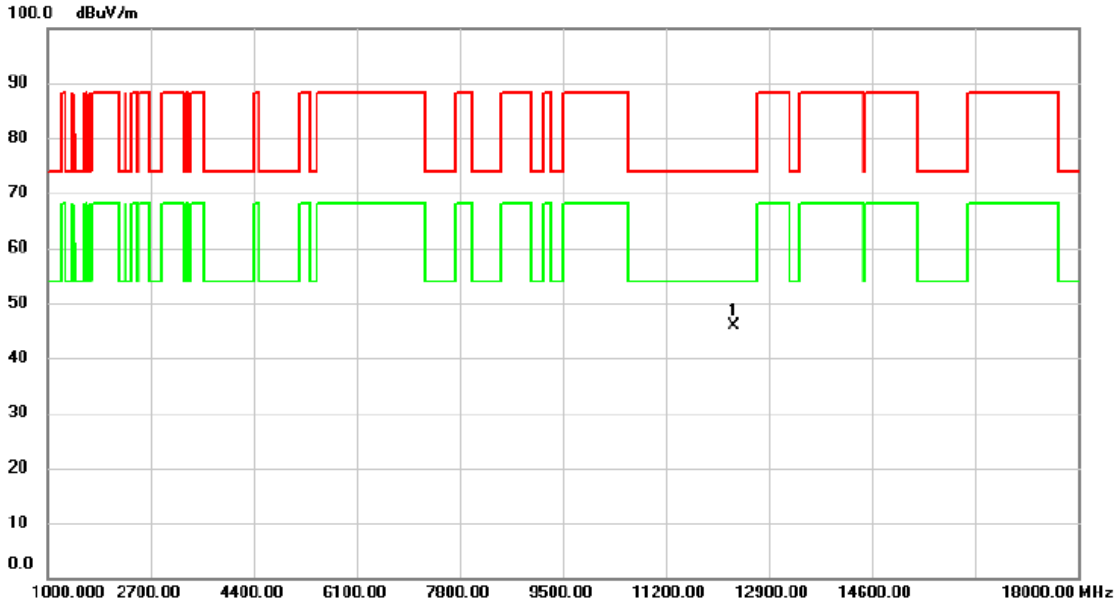
Test Mode	UNII-5_TX AX(HE40) Mode 6165 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12330.00	49.77	-4.99	44.78	74.00	-29.22	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

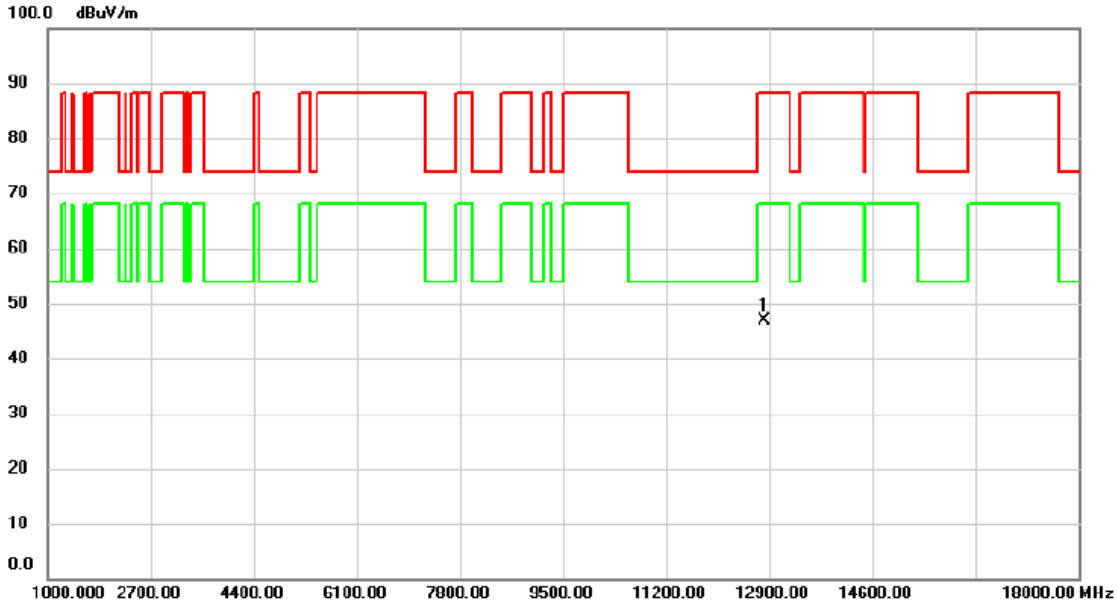
Test Mode	UNII-5_TX AX(HE40) Mode 6165 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12330.00	50.83	-4.99	45.84	74.00	-28.16	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

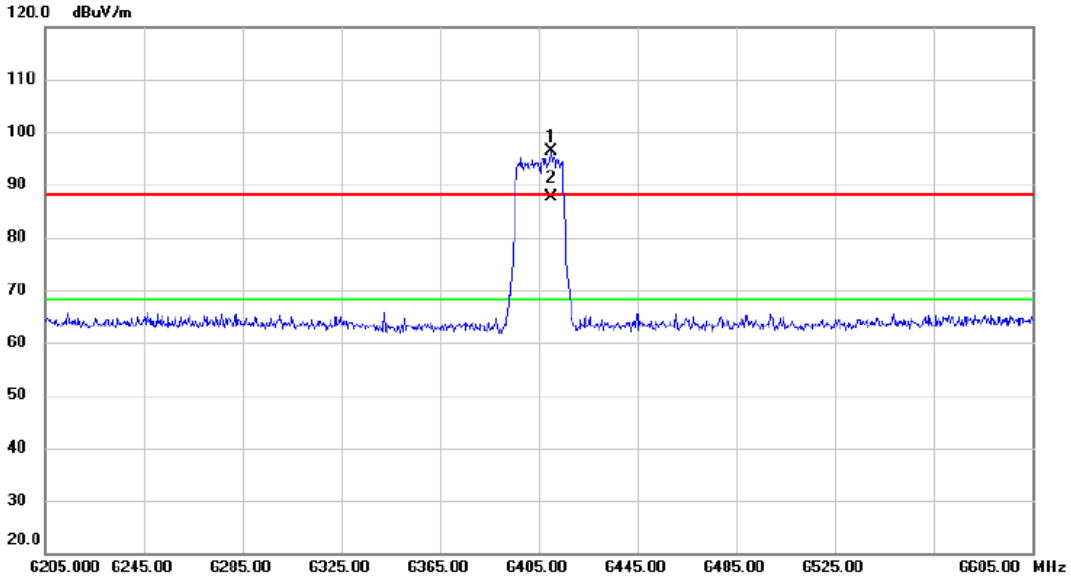
Test Mode	UNII-5_TX AX(HE40) Mode 6405 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12810.00	50.60	-3.78	46.82	88.20	-41.38	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

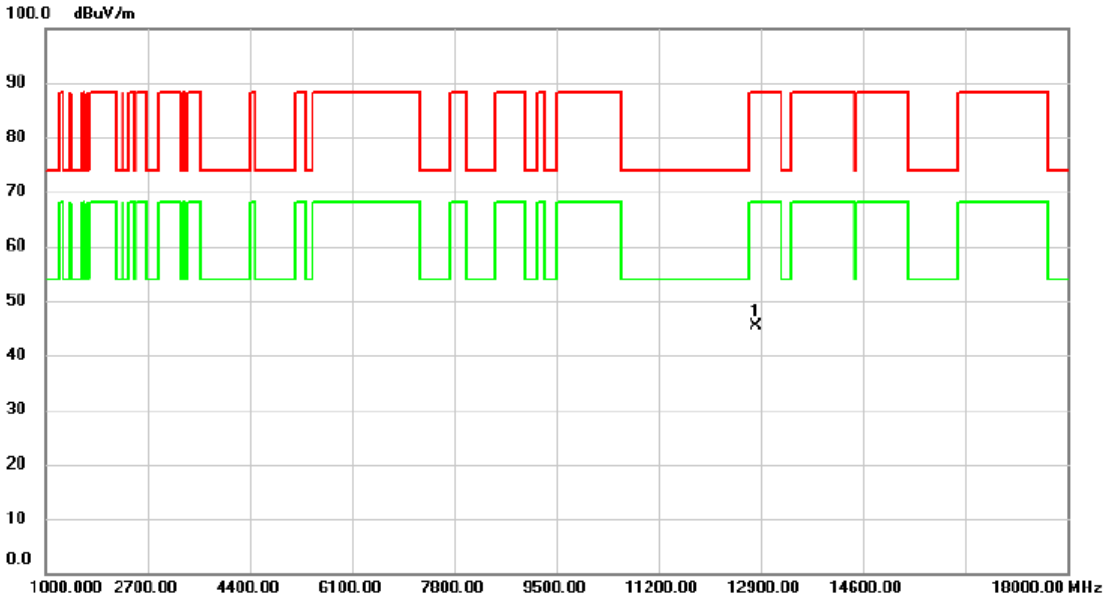
Test Mode	UNII-5_TX AX(HE40) Mode 6405 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	6410.000	55.00	41.26	96.26	88.20	8.06	peak			
2	*	6410.000	46.42	41.26	87.68	68.20	19.48	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

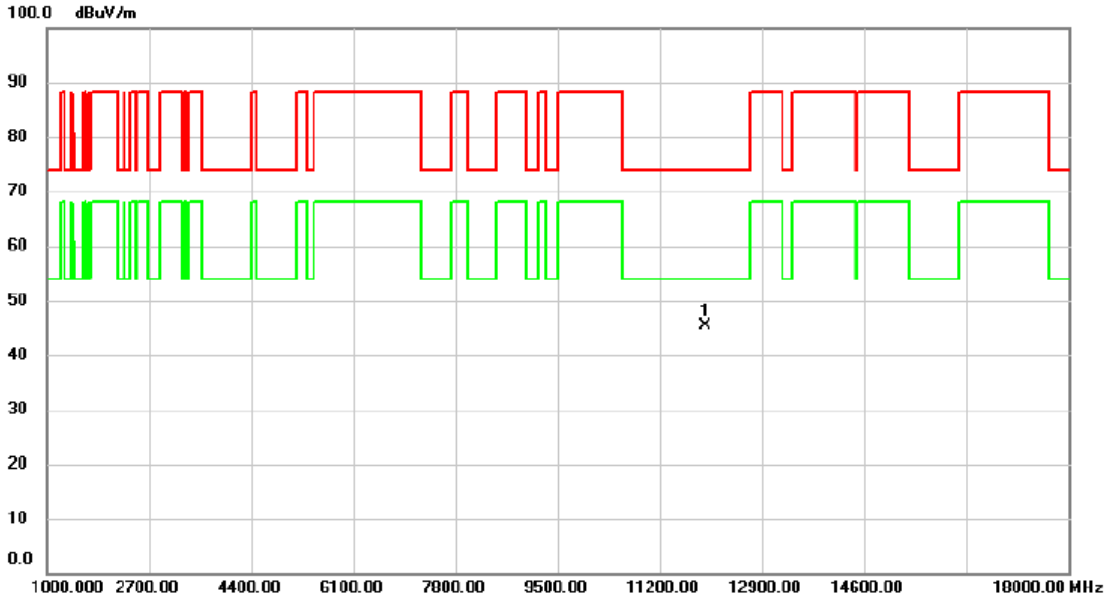
Test Mode	UNII-5_TX AX(HE40) Mode 6405 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12810.00	49.06	-3.78	45.28	88.20	-42.92	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

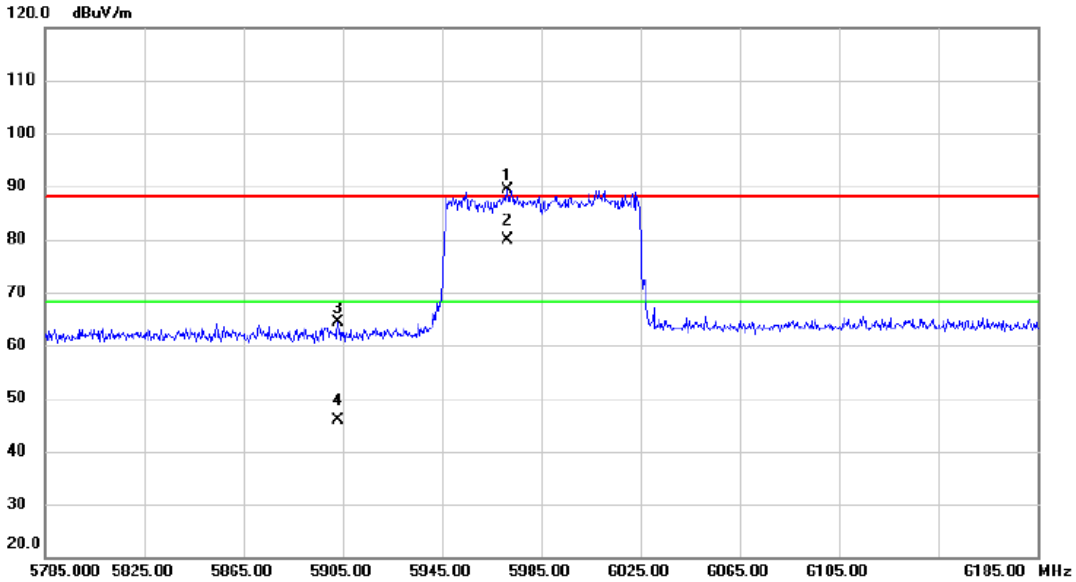
Test Mode	UNII-5_TX AX(HE80) Mode 5985 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11970.00	50.76	-5.31	45.45	74.00	-28.55	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

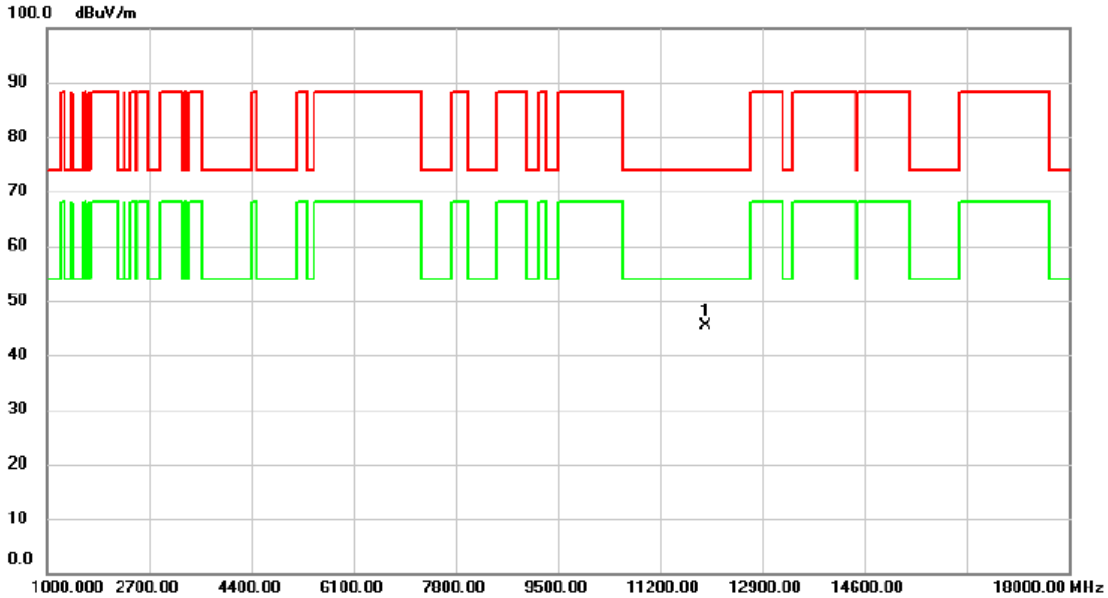
Test Mode	UNII-5_TX AX(HE80) Mode 5985 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	5971.400	49.50	40.00	89.50	88.20	1.30	peak			
2	*	5971.400	39.96	40.00	79.96	68.20	11.76	AVG			
3		5903.000	24.50	39.85	64.35	88.20	-23.85	peak			
4		5903.000	6.13	39.85	45.98	68.20	-22.22	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

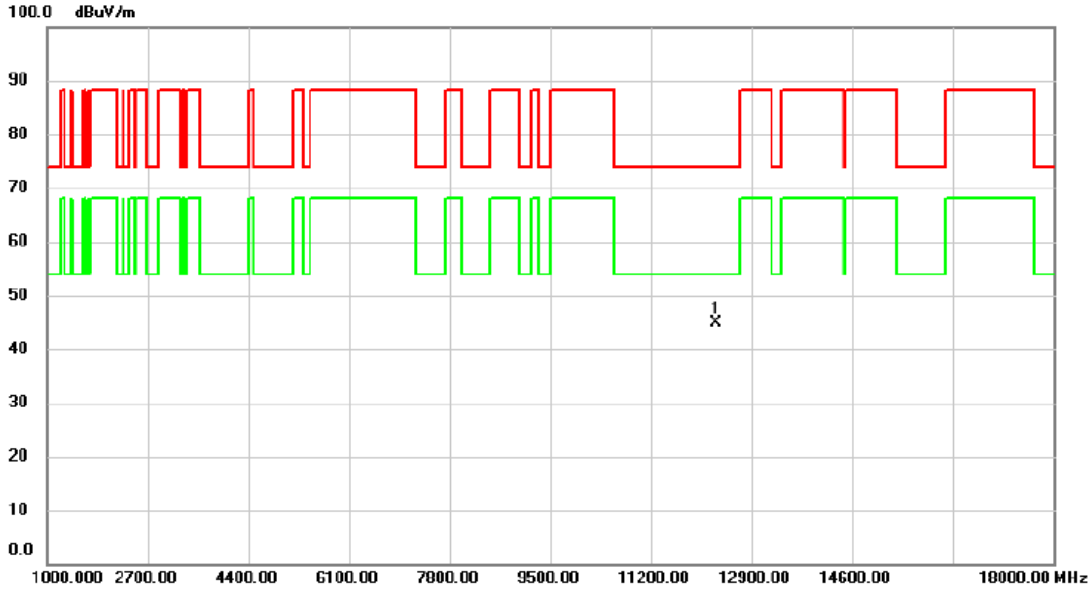
Test Mode	UNII-5_TX AX(HE80) Mode 5985 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11970.00	50.71	-5.31	45.40	74.00	-28.60	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

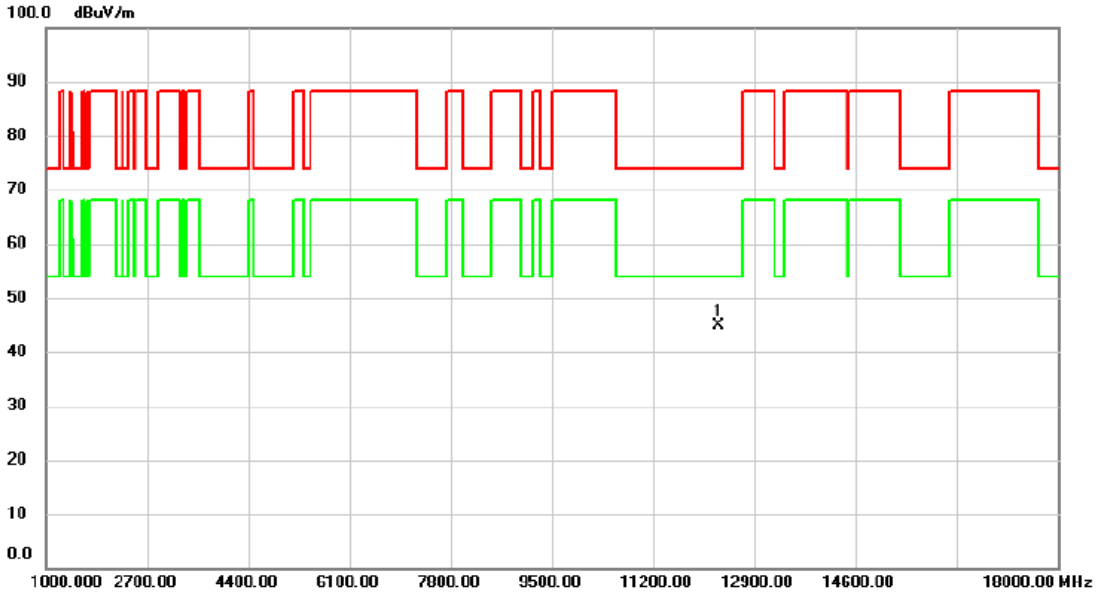
Test Mode	UNII-5_TX AX(HE80) Mode 6145 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12290.00	49.78	-5.02	44.76	74.00	-29.24	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

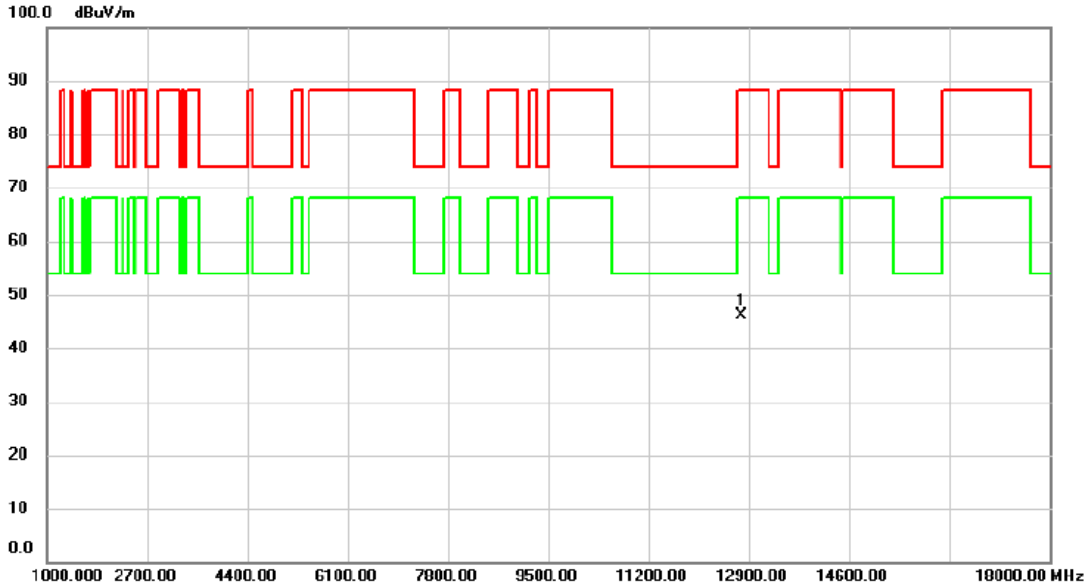
Test Mode	UNII-5_TX AX(HE80) Mode 6145 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12290.00	49.86	-5.02	44.84	74.00	-29.16	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

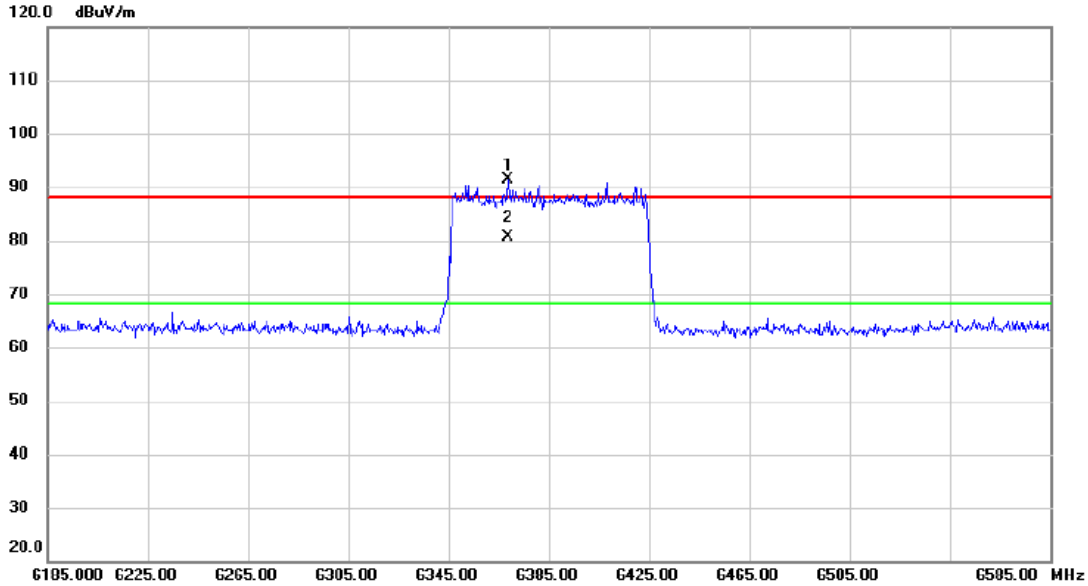
Test Mode	UNII-5_TX AX(HE80) Mode 6385 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12770.00	50.04	-3.92	46.12	88.20	-42.08	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

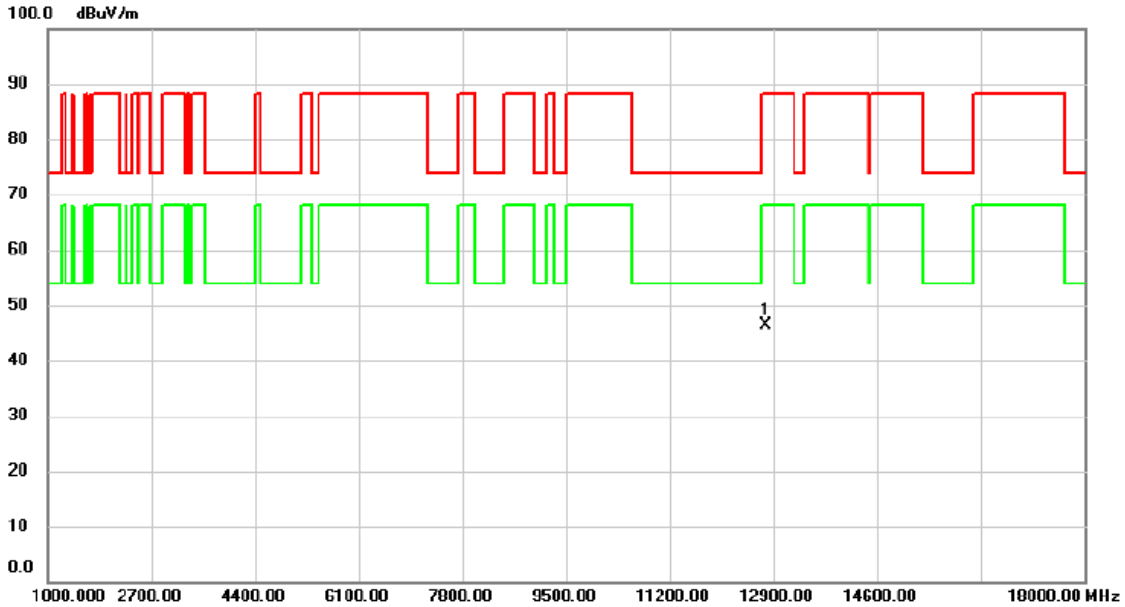
Test Mode	UNII-5_TX AX(HE80) Mode 6385 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	6368.600	50.13	41.13	91.26	88.20	3.06	peak			
2	*	6368.600	39.56	41.13	80.69	68.20	12.49	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

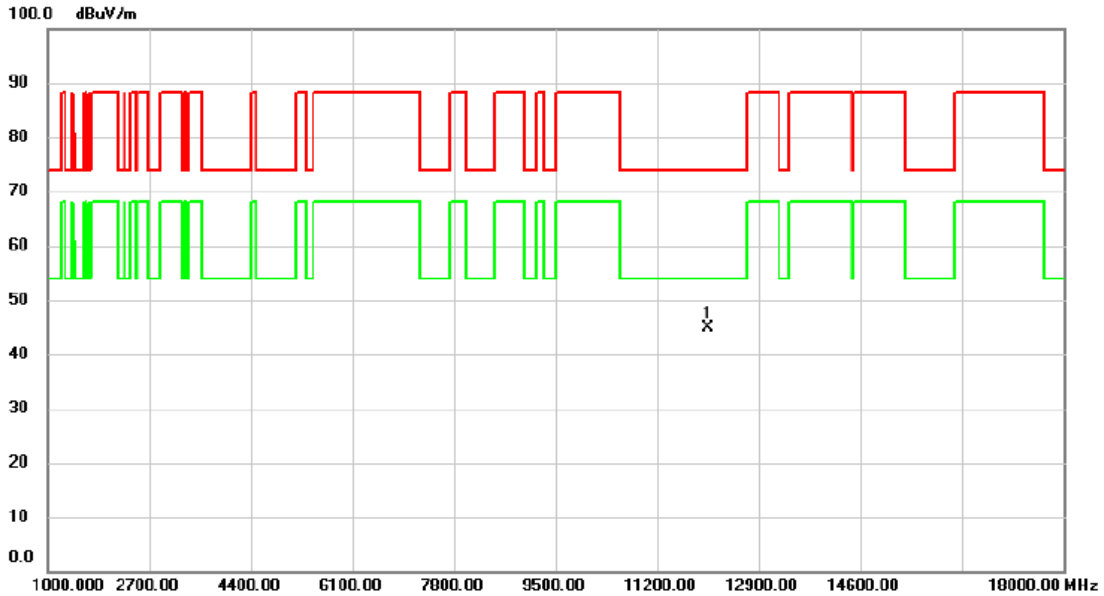
Test Mode	UNII-5_TX AX(HE80) Mode 6385 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12770.00	50.25	-3.92	46.33	88.20	-41.87	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

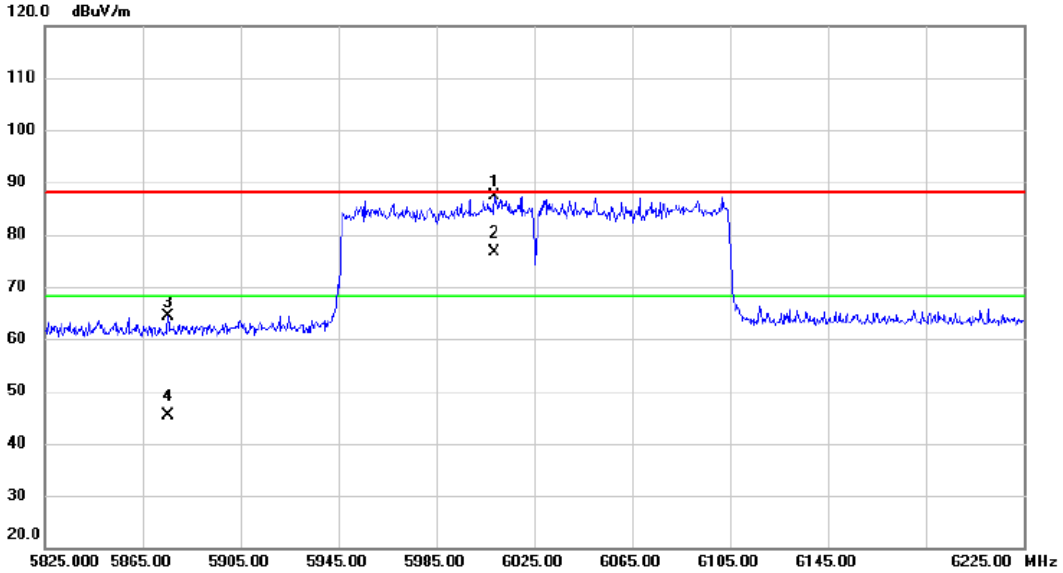
Test Mode	UNII-5_TX AX(HE160) Mode 6025 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12050.00	50.17	-5.27	44.90	74.00	-29.10	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

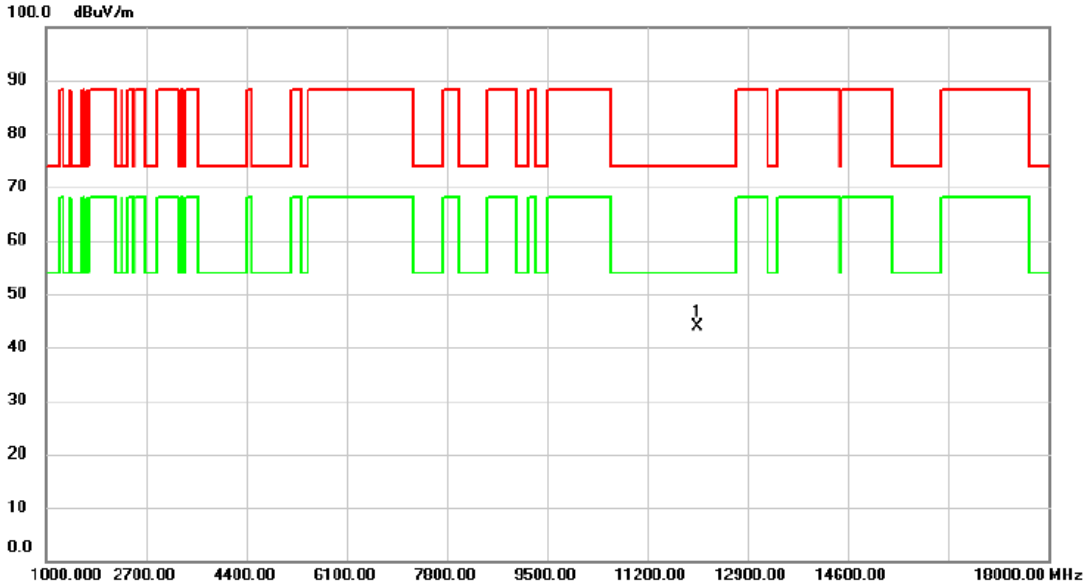
Test Mode	UNII-5_TX AX(HE160) Mode 6025 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		6008.800	47.35	40.09	87.44	88.20	-0.76	peak			
2	*	6008.800	36.53	40.09	76.62	68.20	8.42	AVG			
3		5875.400	24.71	39.79	64.50	88.20	-23.70	peak			
4		5875.400	5.48	39.79	45.27	68.20	-22.93	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

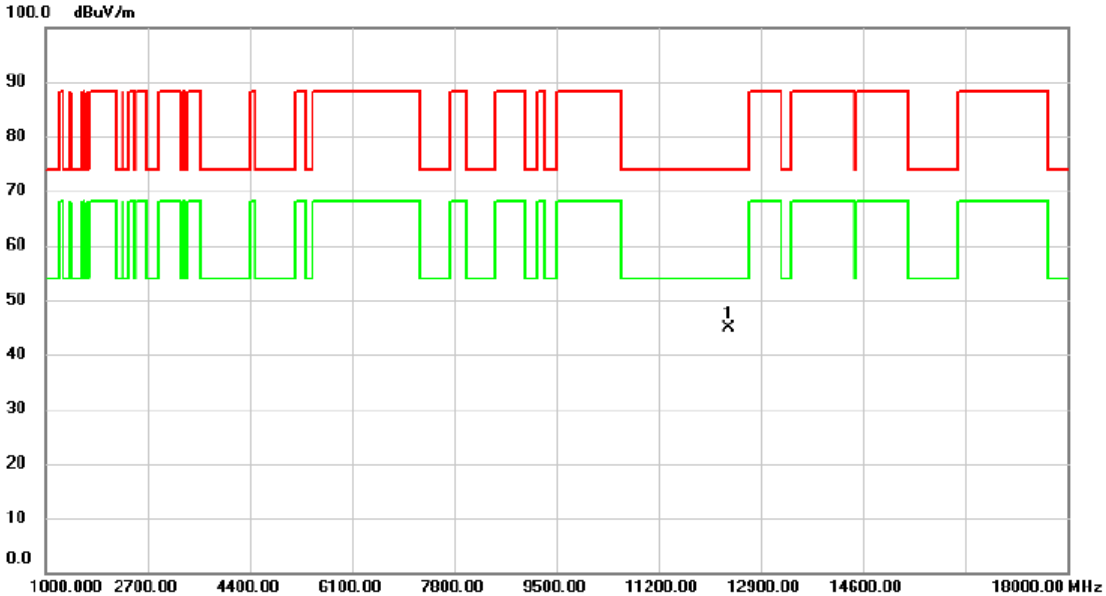
Test Mode	UNII-5_TX AX(HE160) Mode 6025 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12050.00	49.27	-5.27	44.00	74.00	-30.00	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

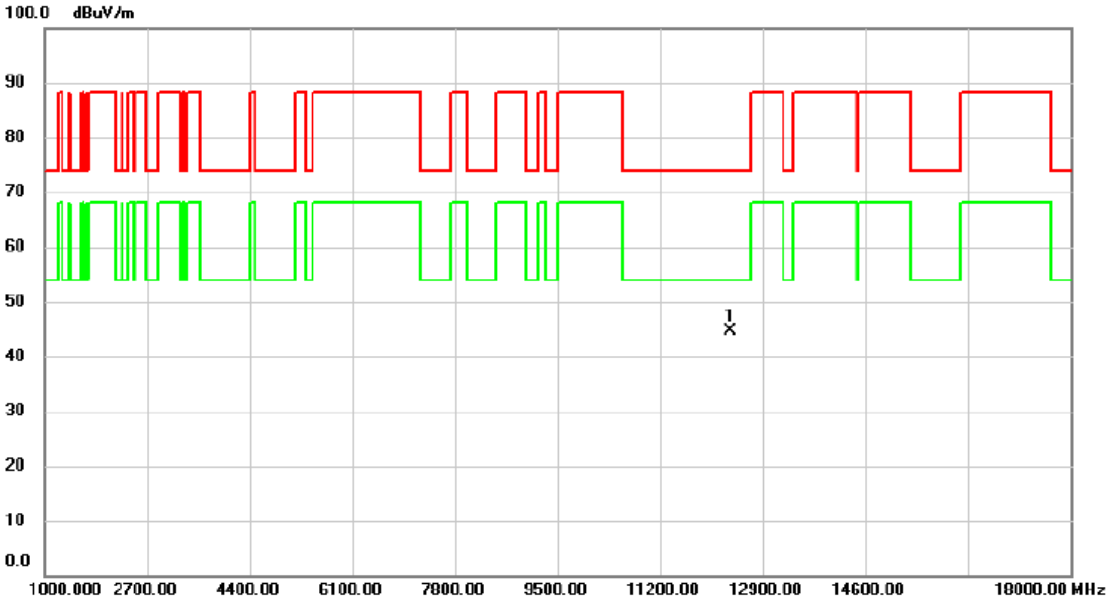
Test Mode	UNII-5_TX AX(HE160) Mode 6185 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12370.00	49.82	-4.94	44.88	74.00	-29.12	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

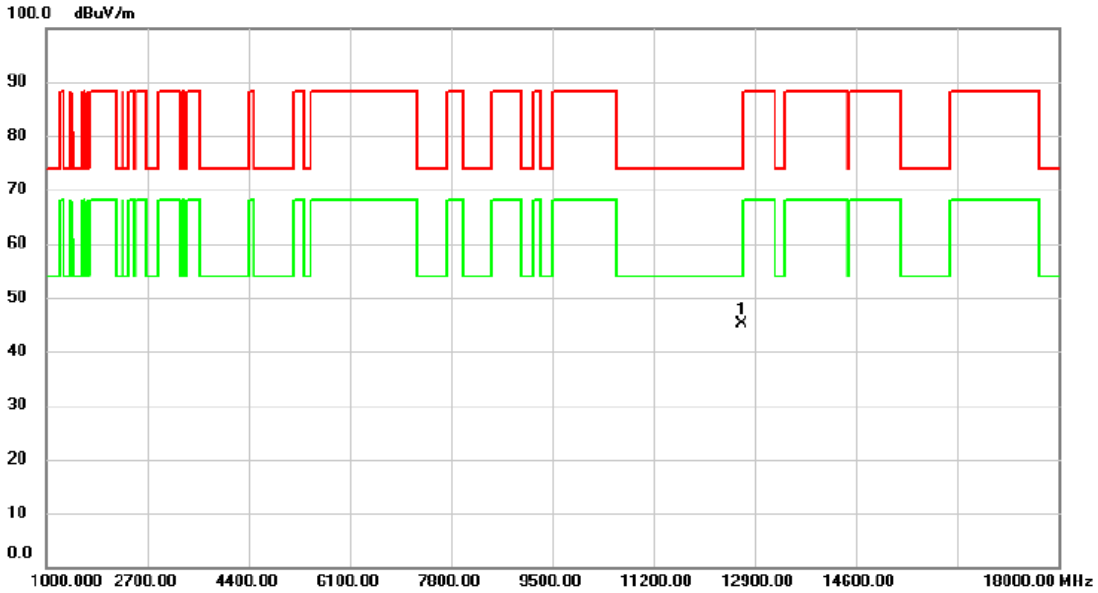
Test Mode	UNII-5_TX AX(HE160) Mode 6185 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12370.00	49.65	-4.94	44.71	74.00	-29.29	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

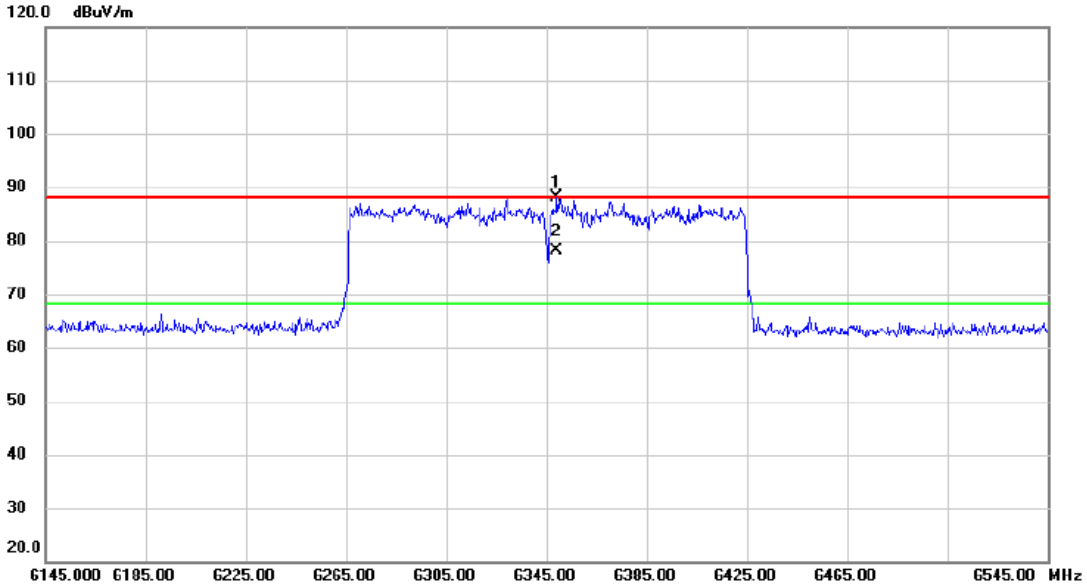
Test Mode	UNII-5_TX AX(HE160) Mode 6345 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12690.00	49.31	-4.17	45.14	74.00	-28.86	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

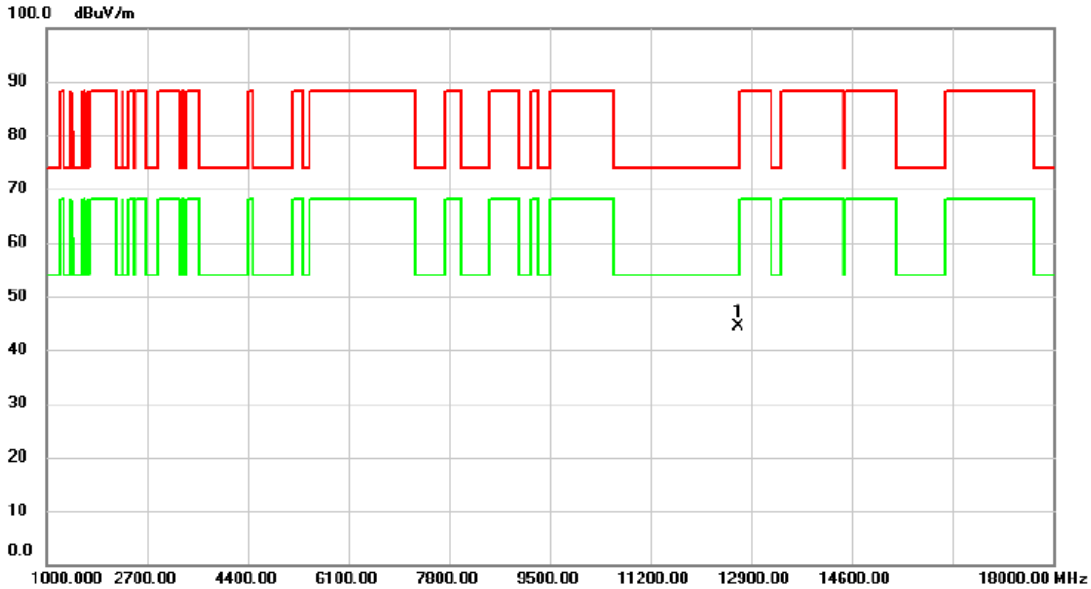
Test Mode	UNII-5_TX AX(HE160) Mode 6345 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		6349.200	47.05	41.08	88.13	88.20	-0.07	peak			
2	*	6349.200	37.06	41.08	78.14	68.20	9.94	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

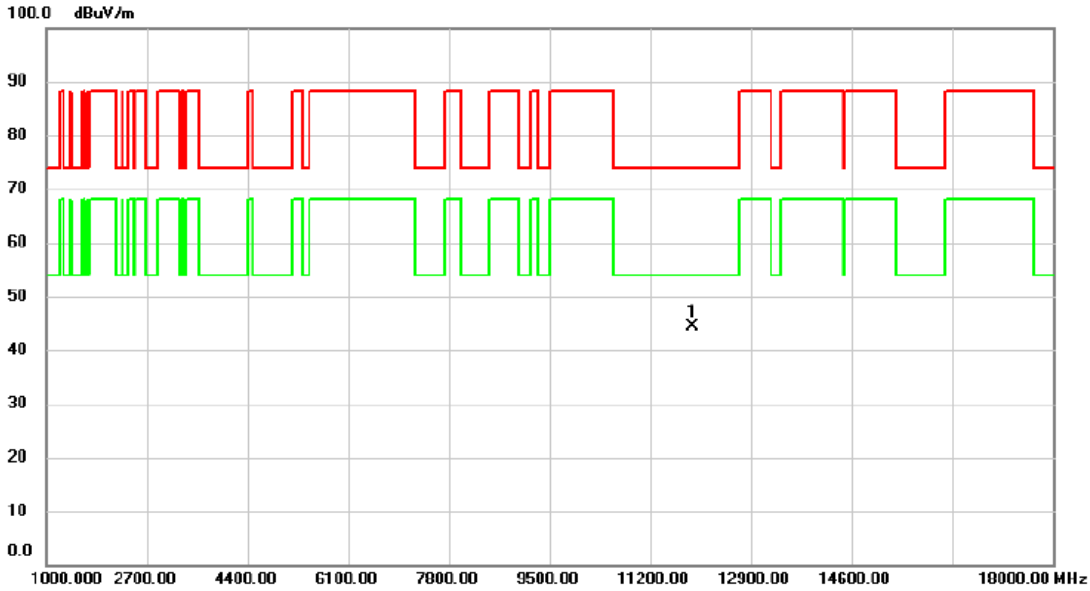
Test Mode	UNII-5_TX AX(HE160) Mode 6345 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12690.00	48.58	-4.17	44.41	74.00	-29.59	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

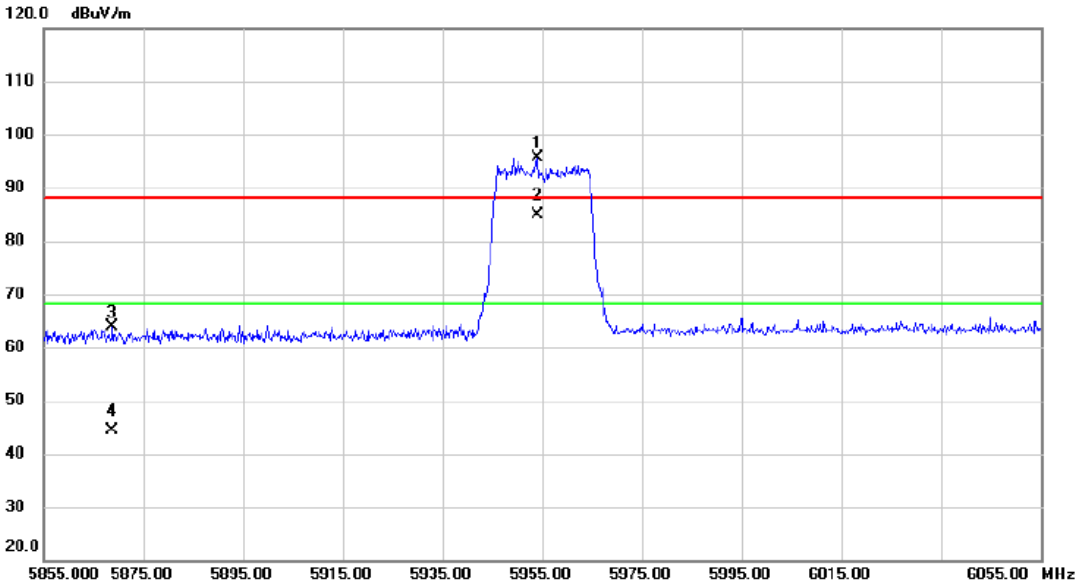
Test Mode	UNII-5_TX BE(HE20) Mode 5955 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11910.00	49.53	-5.26	44.27	74.00	-29.73	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

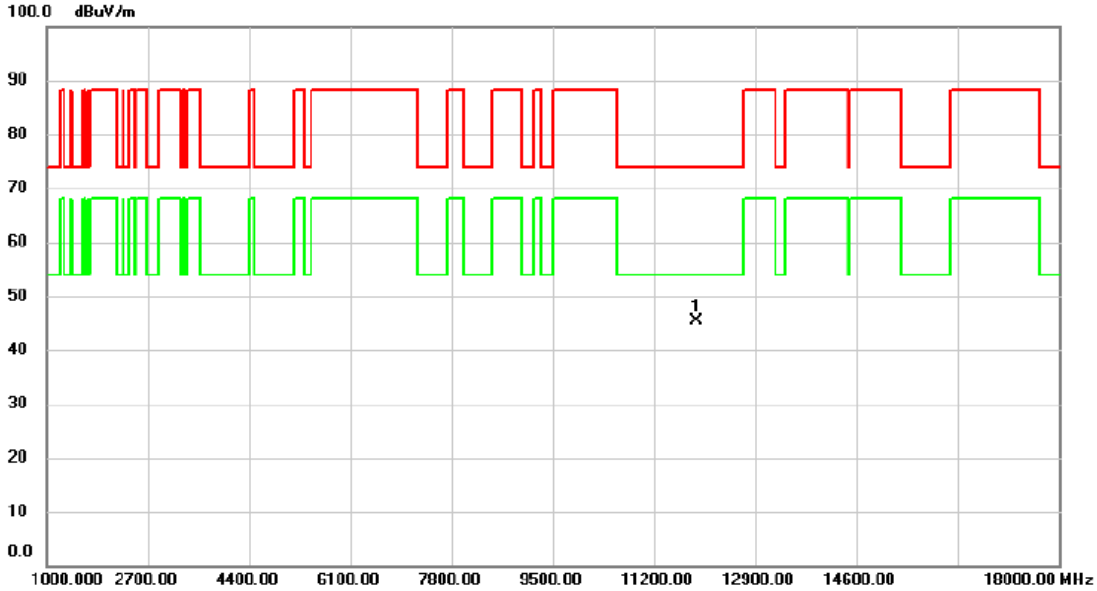
Test Mode	UNII-5_TX BE(EHT20)Mode 5955 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	5954.100	55.71	39.96	95.67	88.20	7.47	peak			
2	*	5954.100	45.04	39.96	85.00	68.20	16.80	AVG			
3		5868.800	24.21	39.78	63.99	88.20	-24.21	peak			
4		5868.800	4.67	39.78	44.45	68.20	-23.75	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

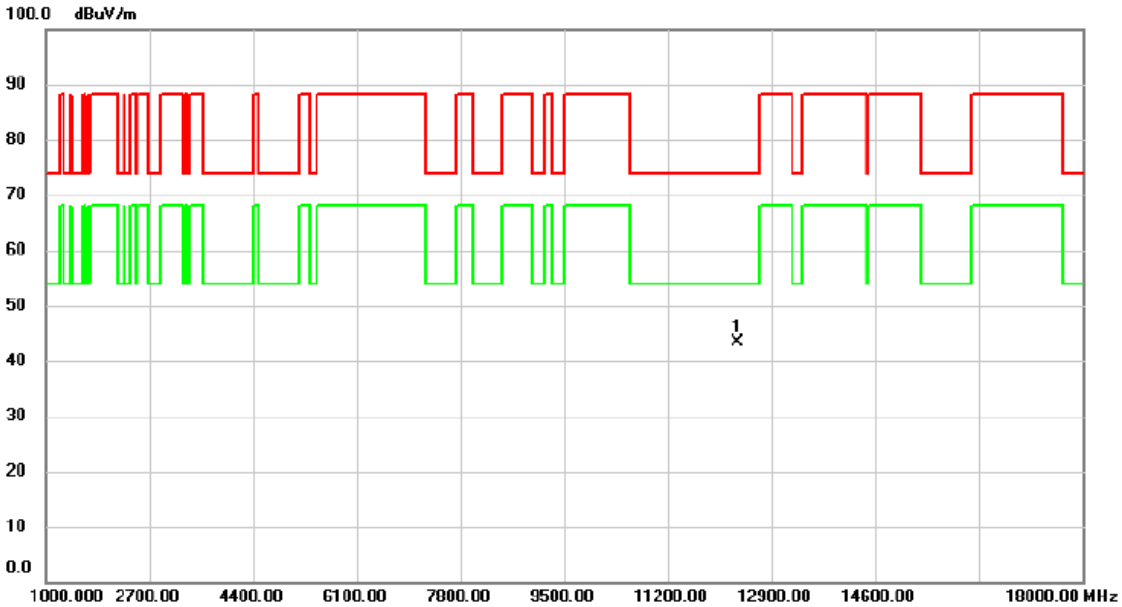
Test Mode	UNII-5_TX BE(EHT20) Mode 5955 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11910.00	50.62	-5.26	45.36	74.00	-28.64	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

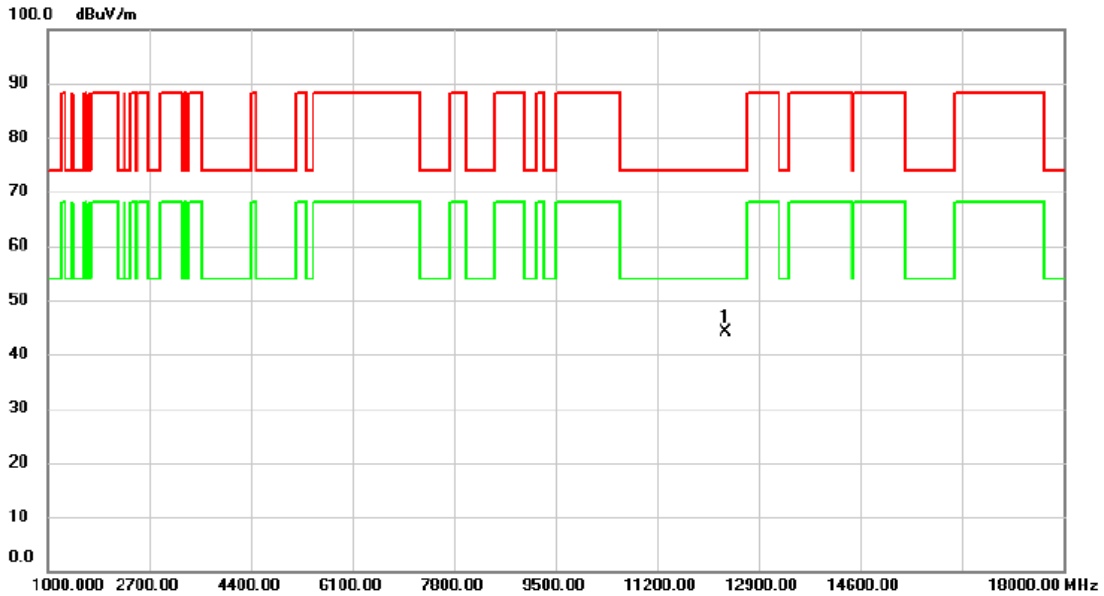
Test Mode	UNII-5_TX BE(EHT20)Mode 6175 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12350.00	48.46	-4.96	43.50	74.00	-30.50	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

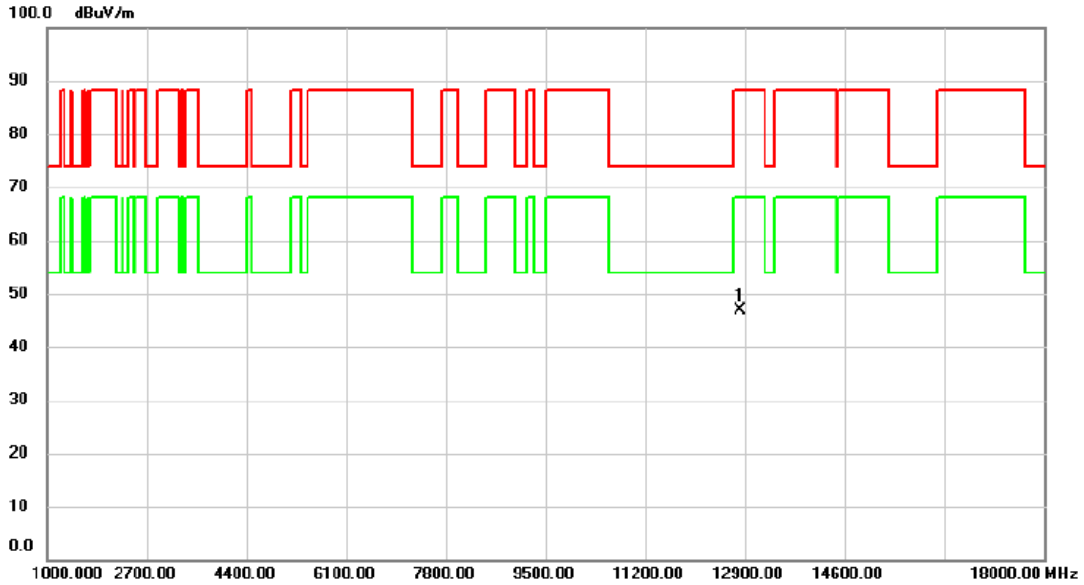
Test Mode	UNII-5_TX BE(EHT20)Mode 6175 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12350.00	49.06	-4.96	44.10	74.00	-29.90	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

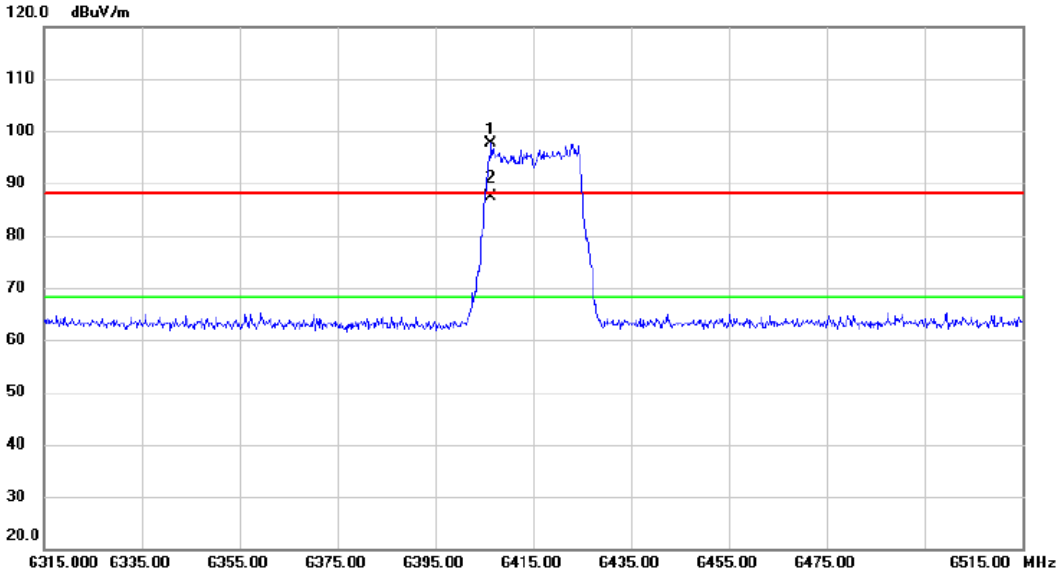
Test Mode	UNII-5_TX BE(EHT20) Mode 6415 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12830.00	50.60	-3.71	46.89	88.20	-41.31	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

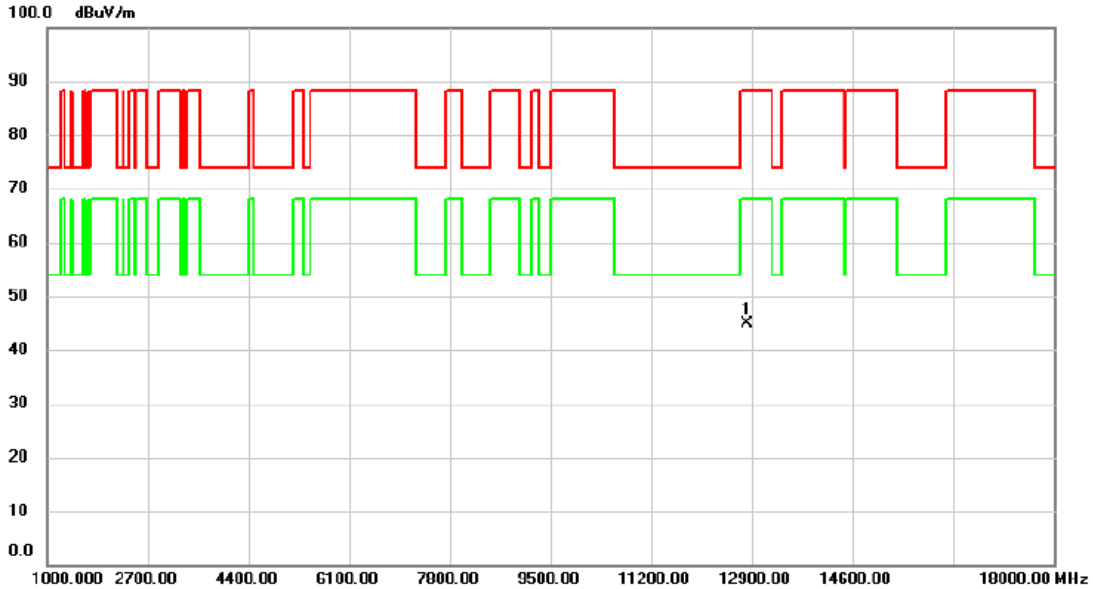
Test Mode	UNII-5_TX BE(EHT20) Mode 6415 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	6406.400	56.31	41.25	97.56	88.20	9.36	peak			
2	*	6406.400	46.18	41.25	87.43	68.20	19.23	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

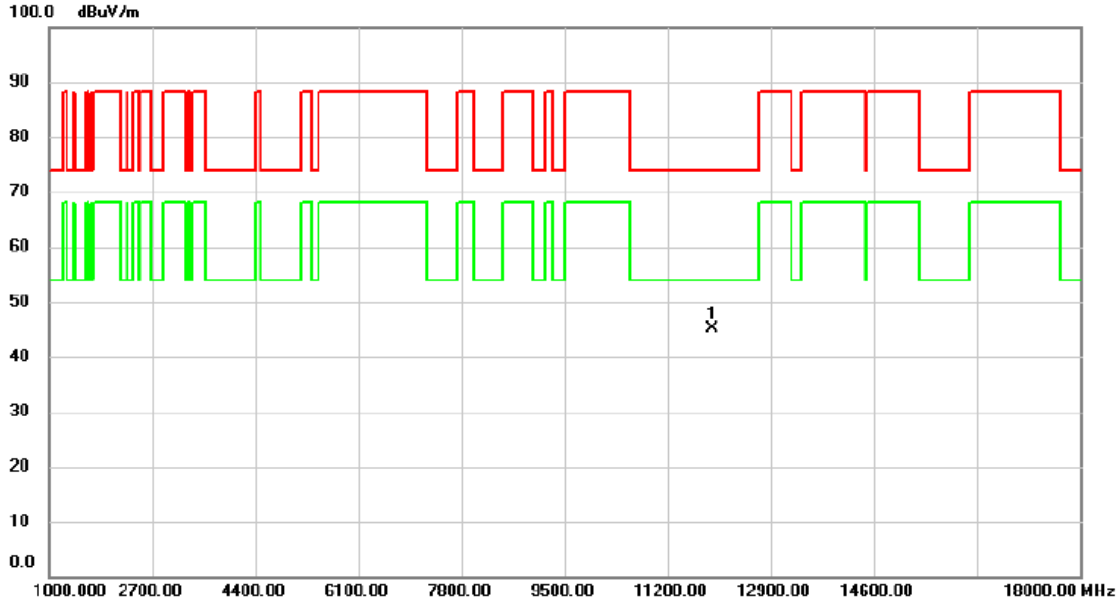
Test Mode	UNII-5_TX BE(EHT20) Mode 6415 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12830.00	48.60	-3.71	44.89	88.20	-43.31	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

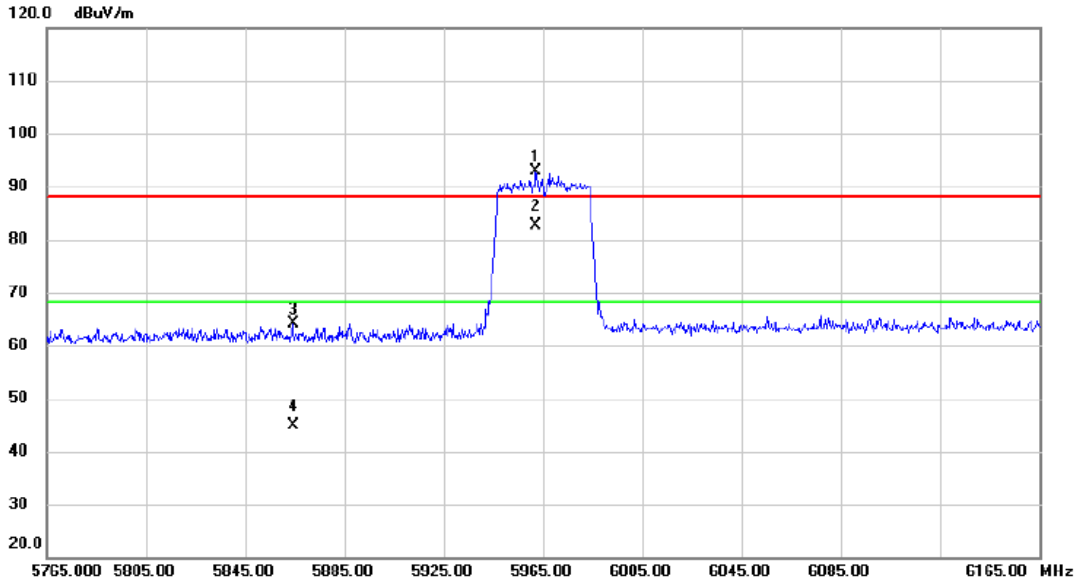
Test Mode	UNII-5_TX BE(EHT40) Mode 5965 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11930.00	50.30	-5.28	45.02	74.00	-28.98	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

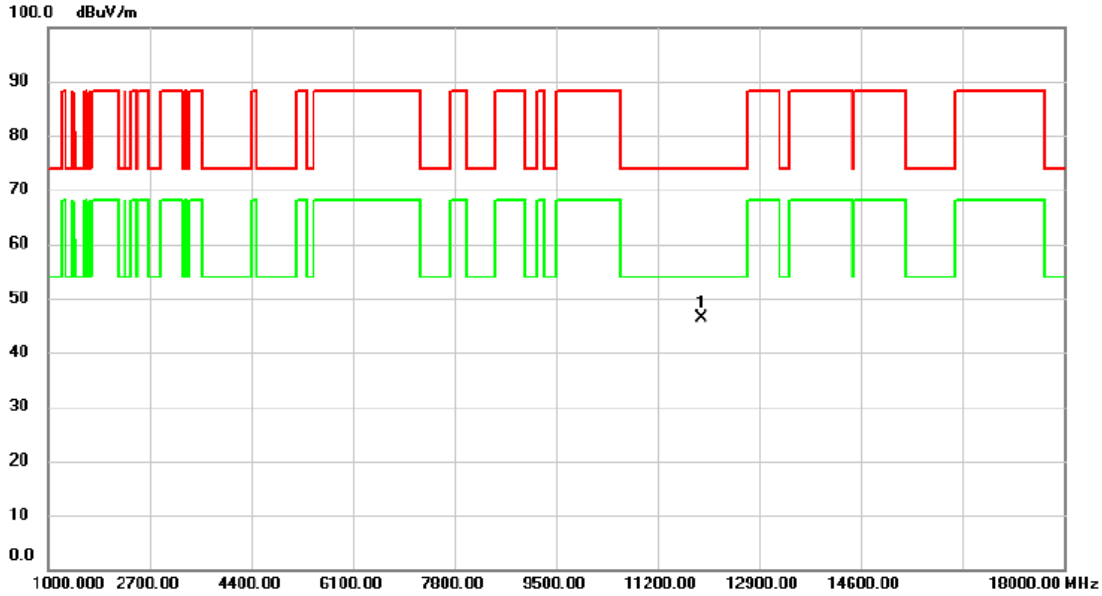
Test Mode	UNII-5_TX BE(EHT40) Mode 5965 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	5962.200	53.03	39.97	93.00	88.20	4.80	peak			
2	*	5962.200	42.72	39.97	82.69	68.20	14.49	AVG			
3		5864.400	24.42	39.77	64.19	88.20	-24.01	peak			
4		5864.400	5.06	39.77	44.83	68.20	-23.37	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

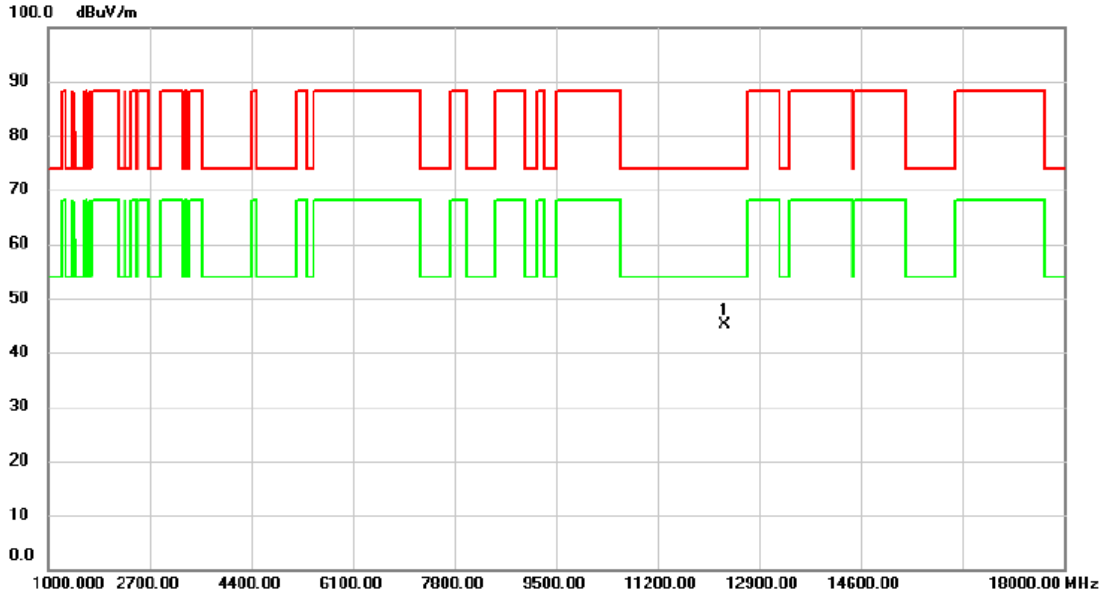
Test Mode	UNII-5_TX BE(EHT40) Mode 5965 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11930.00	51.67	-5.28	46.39	74.00	-27.61	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

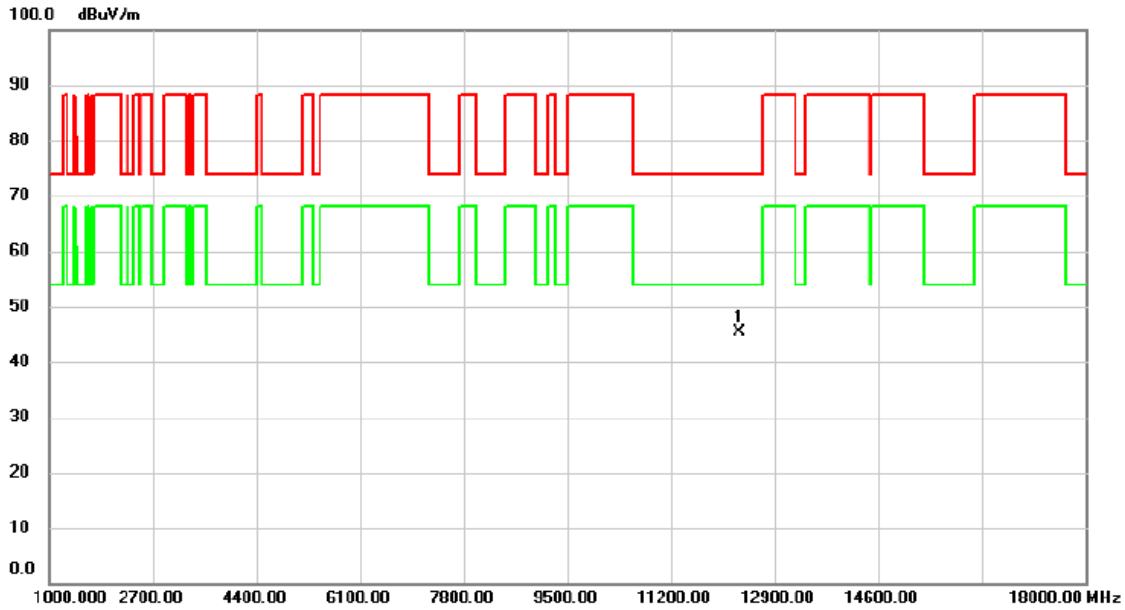
Test Mode	UNII-5_TX BE(EHT40) Mode 6165 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12330.00	50.14	-4.99	45.15	74.00	-28.85	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

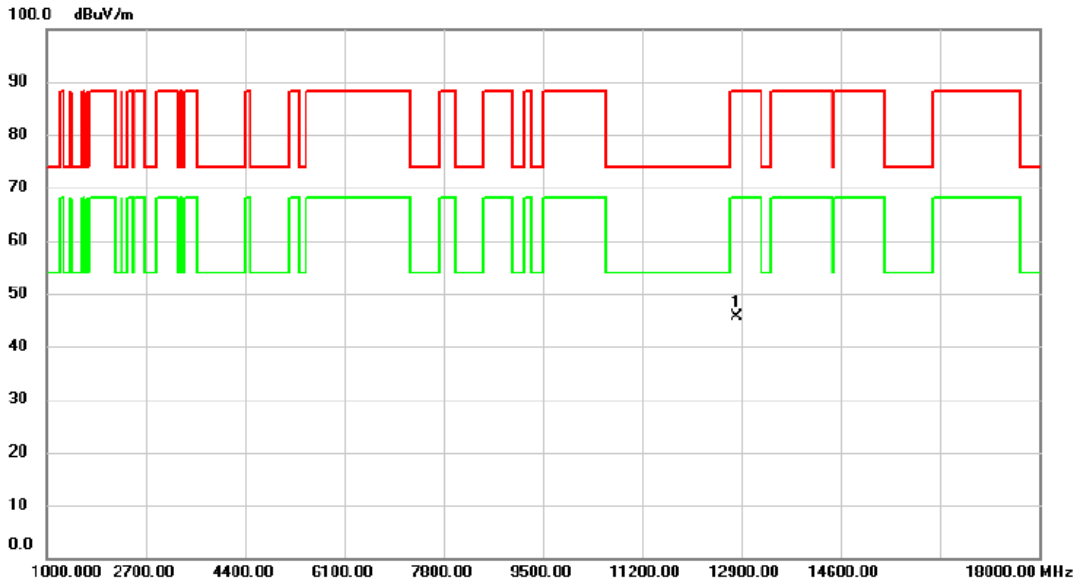
Test Mode	UNII-5_TX BE(EHT40) Mode 6165 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12330.00	50.28	-4.99	45.29	74.00	-28.71	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

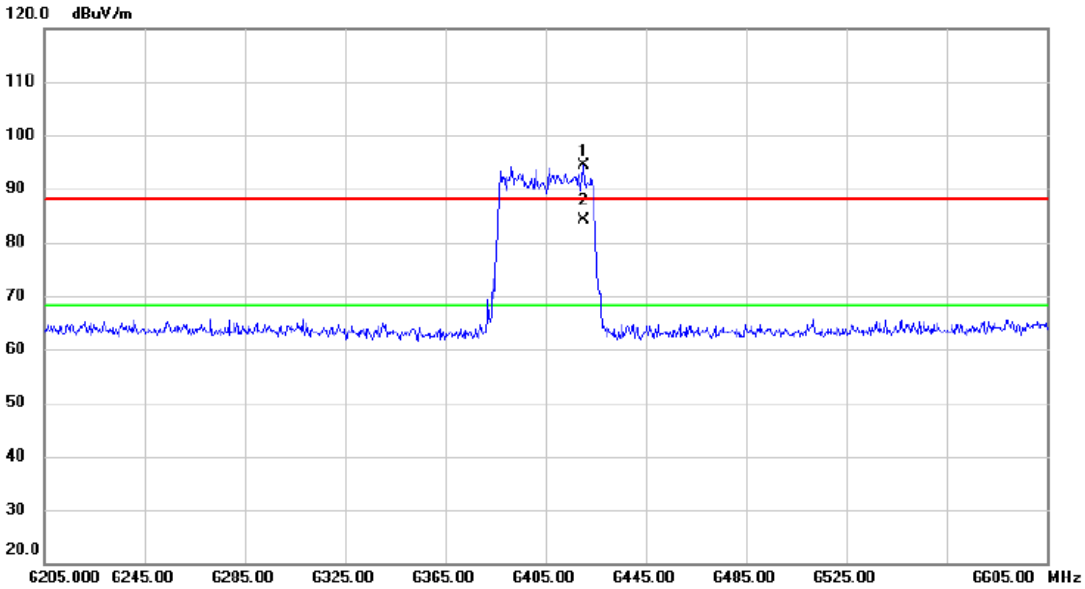
Test Mode	UNII-5_TX BE(EHT40) Mode 6405 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12810.00	49.37	-3.78	45.59	88.20	-42.61	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

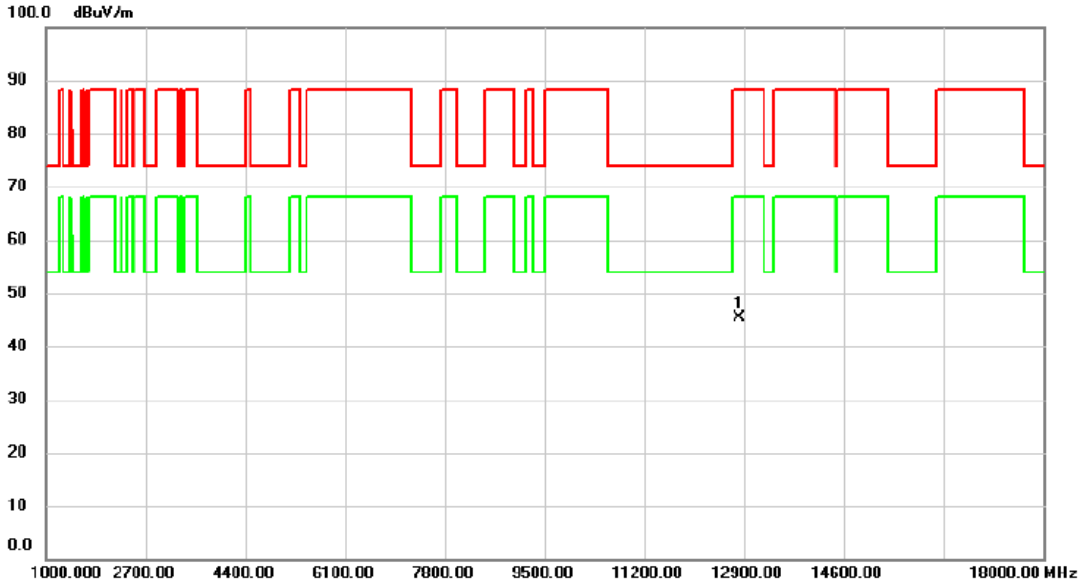
Test Mode	UNII-5_TX BE(EHT40) Mode 6405 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	6420.000	53.07	41.29	94.36	88.20	6.16	peak			
2	*	6420.000	42.89	41.29	84.18	68.20	15.98	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

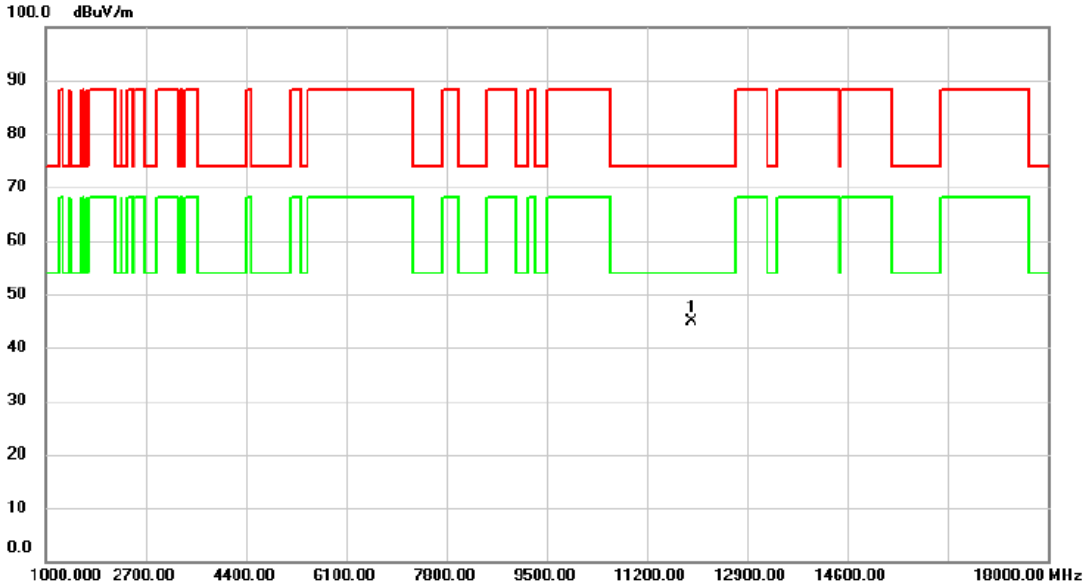
Test Mode	UNII-5_TX BE(EHT40) Mode 6405 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12810.00	49.05	-3.78	45.27	88.20	-42.93	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

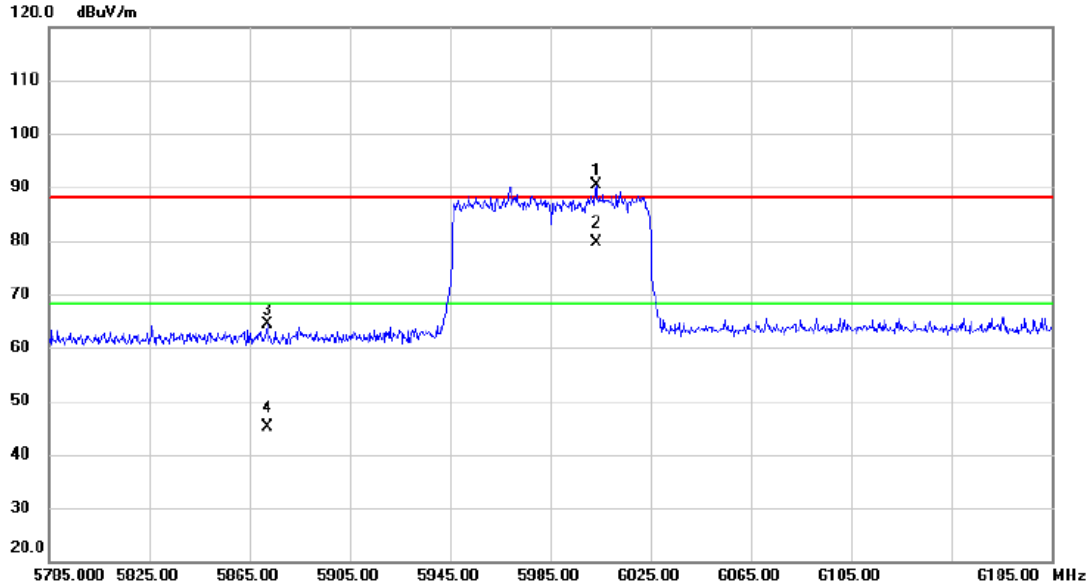
Test Mode	UNII-5_TX BE(EHT80) Mode 5985 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11970.00	50.16	-5.31	44.85	74.00	-29.15	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

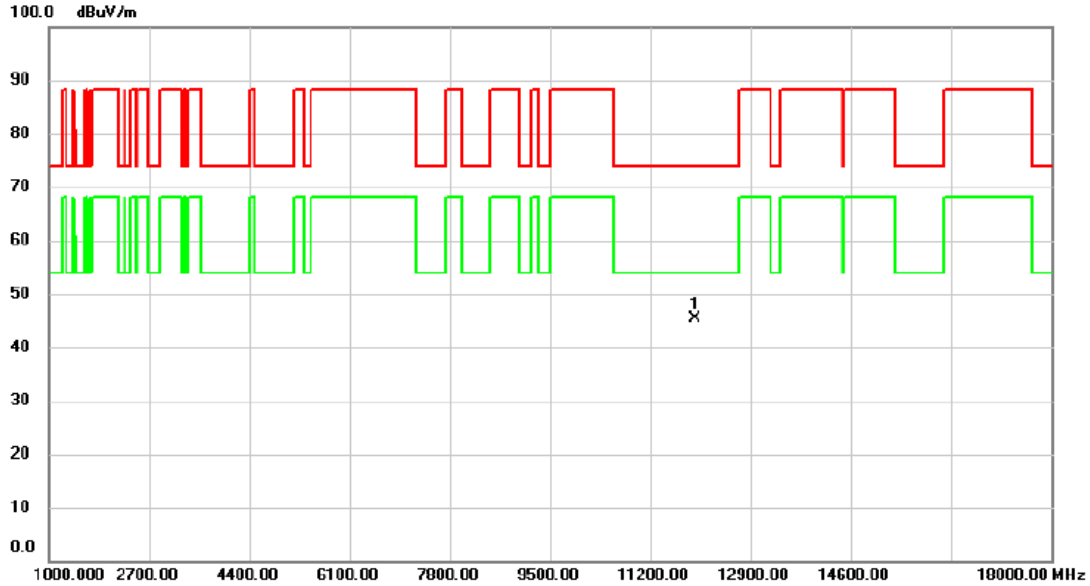
Test Mode	UNII-5_TX BE(EHT80) Mode 5985 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	6003.200	50.33	40.07	90.40	88.20	2.20	peak			
2	*	6003.200	39.47	40.07	79.54	68.20	11.34	AVG			
3		5872.000	24.56	39.78	64.34	88.20	-23.86	peak			
4		5872.000	5.28	39.78	45.06	68.20	-23.14	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

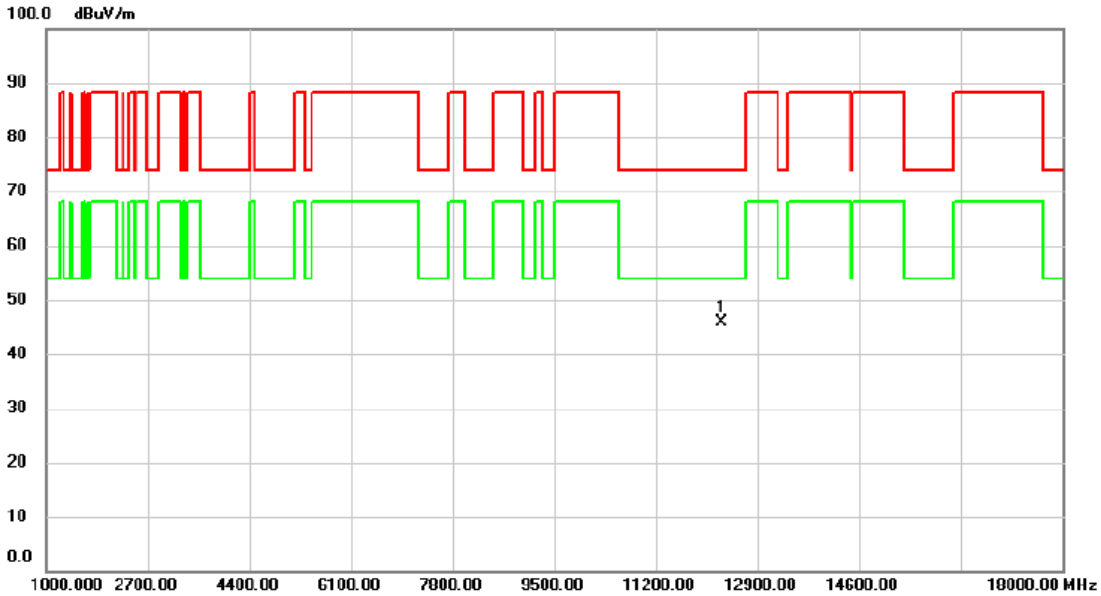
Test Mode	UNII-5_TX BE(EHT80) Mode 5985 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11970.00	50.79	-5.31	45.48	74.00	-28.52	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

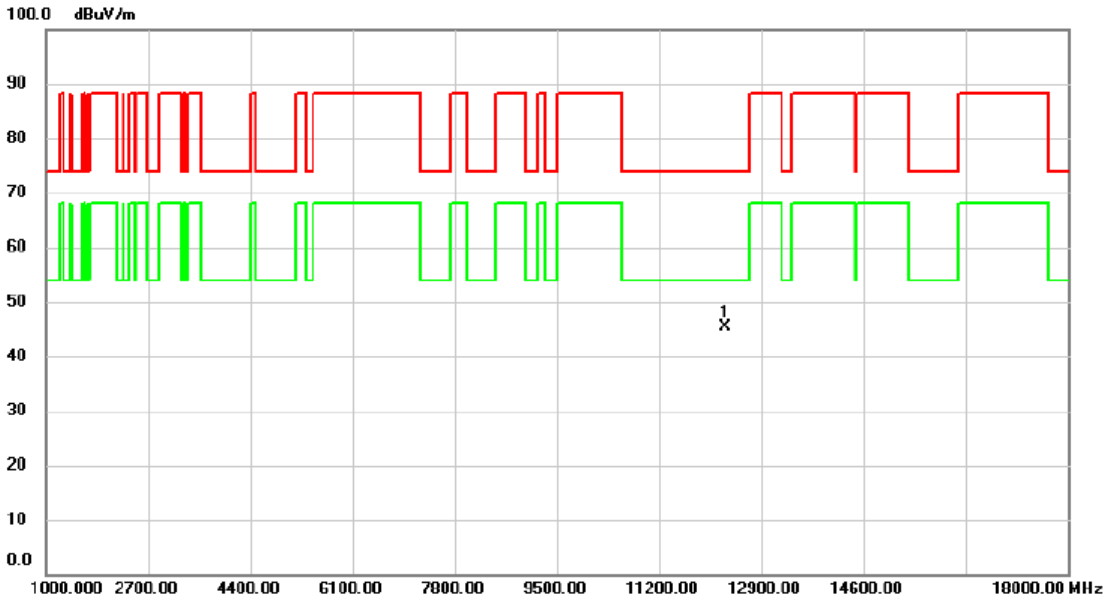
Test Mode	UNII-5_TX BE(EHT80) Mode 6145 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12290.00	50.93	-5.02	45.91	74.00	-28.09	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

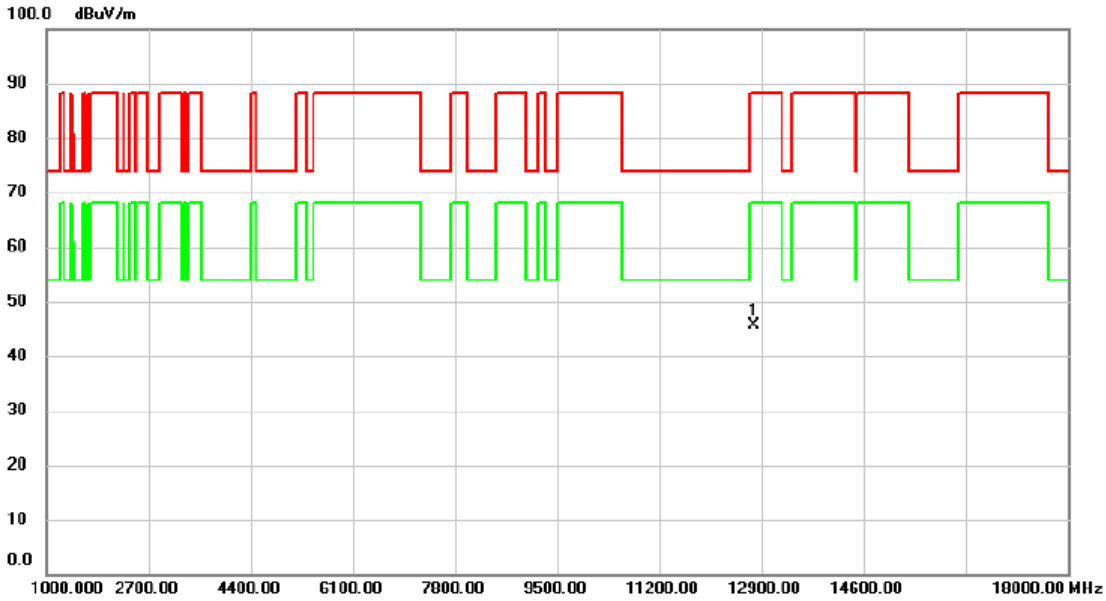
Test Mode	UNII-5_TX BE(EHT80) Mode 6145 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12290.00	50.29	-5.02	45.27	74.00	-28.73	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

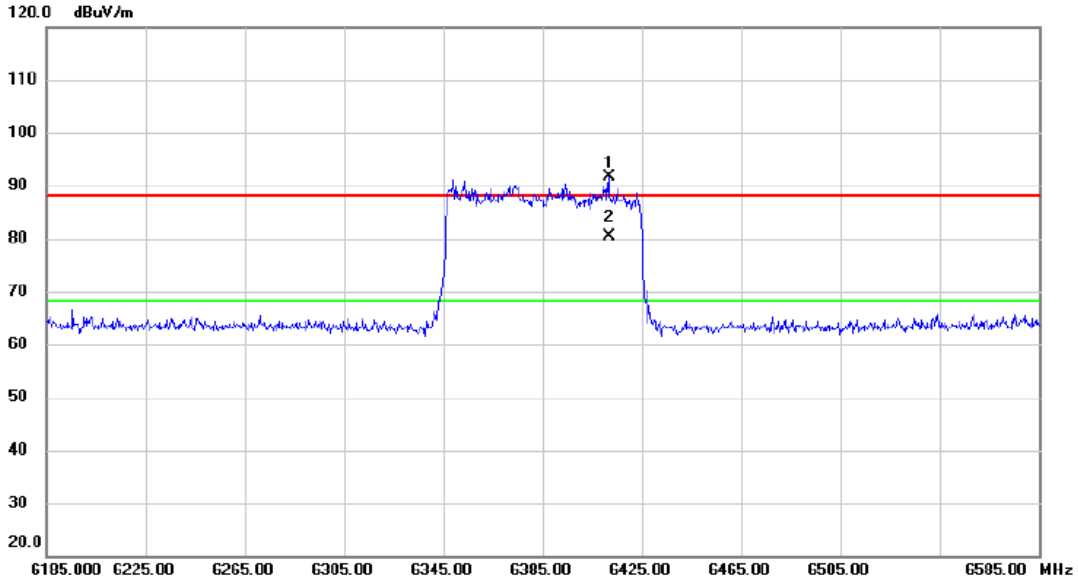
Test Mode	UNII-5_TX BE(EHT80) Mode 6385 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12770.00	49.51	-3.92	45.59	88.20	-42.61	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

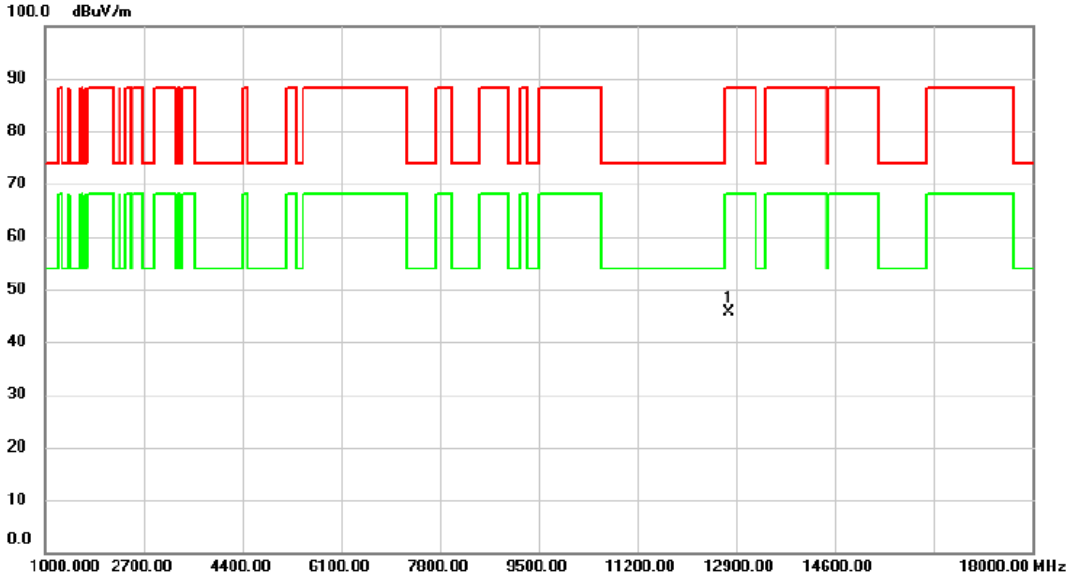
Test Mode	UNII-5_TX BE(EHT80) Mode 6385 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	6411.800	50.29	41.27	91.56	88.20	3.36	peak			
2	*	6411.800	39.10	41.27	80.37	68.20	12.17	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

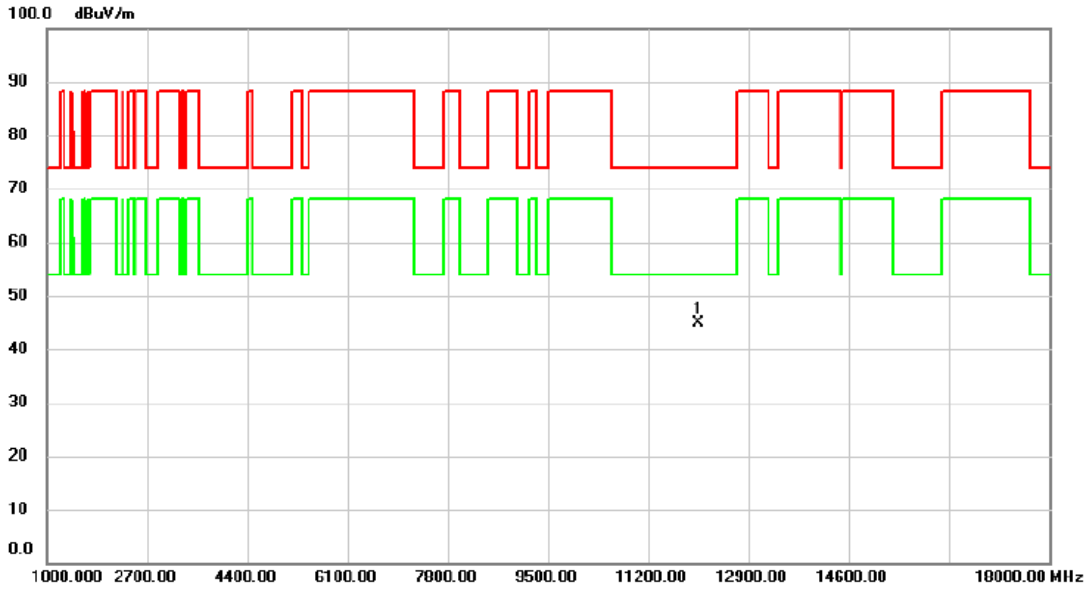
Test Mode	UNII-5_TX BE(EHT80) Mode 6385 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12770.00	49.55	-3.92	45.63	88.20	-42.57	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

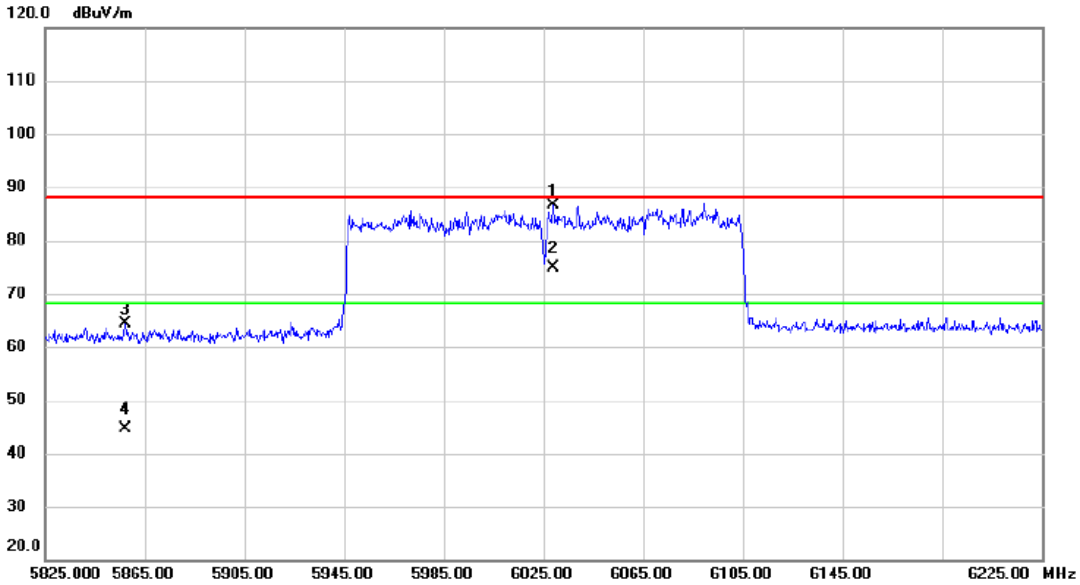
Test Mode	UNII-5_TX BE(EHT160)Mode 6025 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12050.00	50.09	-5.27	44.82	74.00	-29.18	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

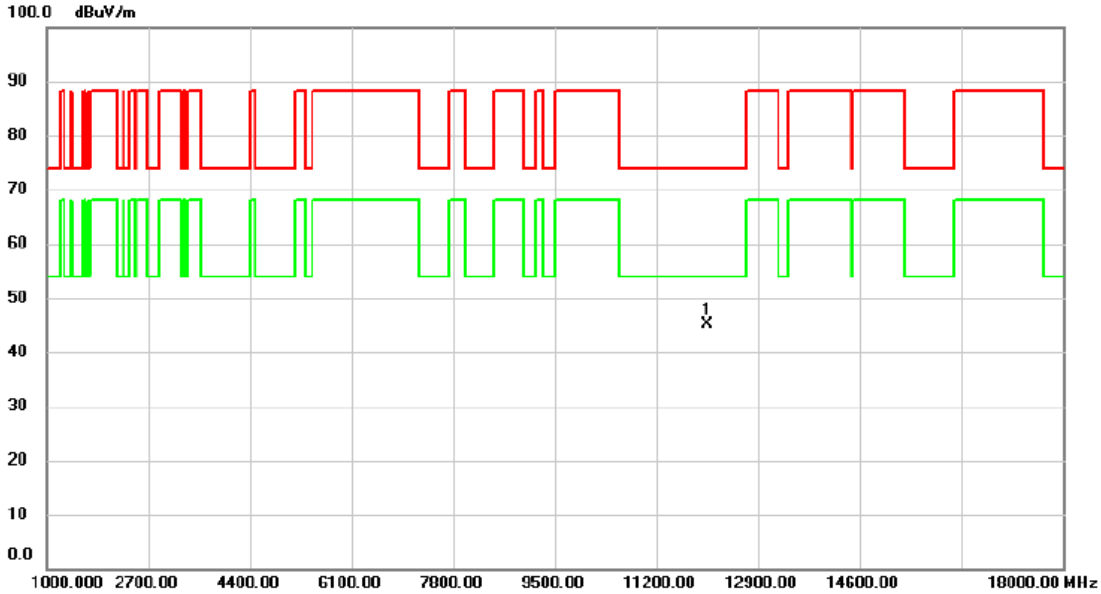
Test Mode	UNII-5_TX BE(EHT160) Mode 6025 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		6029.200	46.55	40.14	86.69	88.20	-1.51	peak			
2	*	6029.200	34.79	40.14	74.93	68.20	6.73	AVG			
3		5857.000	24.70	39.75	64.45	88.20	-23.75	peak			
4		5857.000	4.82	39.75	44.57	68.20	-23.63	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

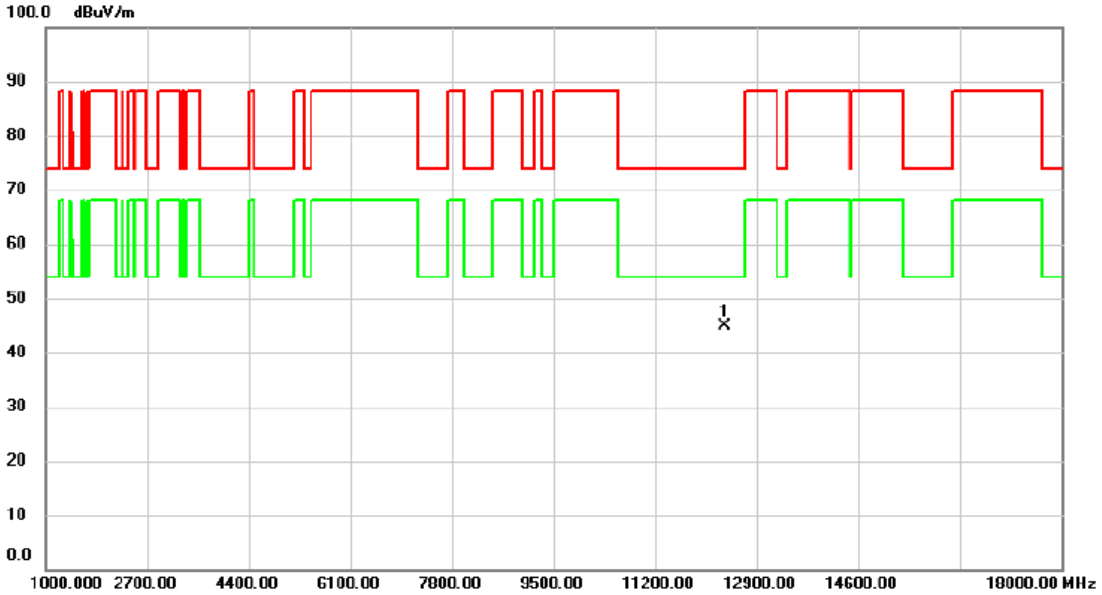
Test Mode	UNII-5_TX BE(EHT160) Mode 6025 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12050.00	50.45	-5.27	45.18	74.00	-28.82	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

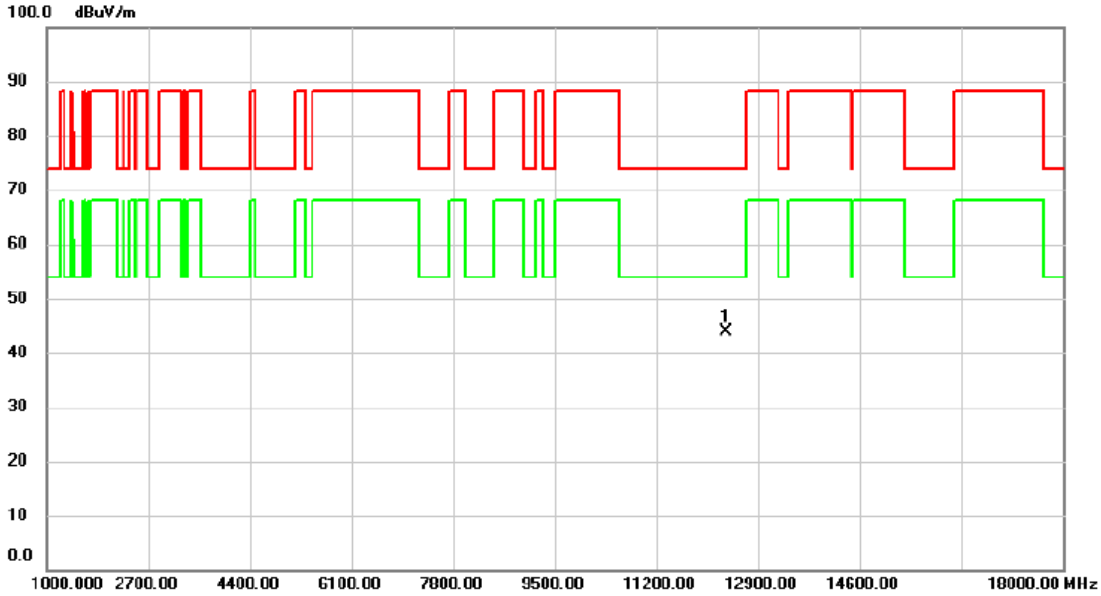
Test Mode	UNII-5_TX BE(EHT160) Mode 6185 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12370.00	49.78	-4.94	44.84	74.00	-29.16	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

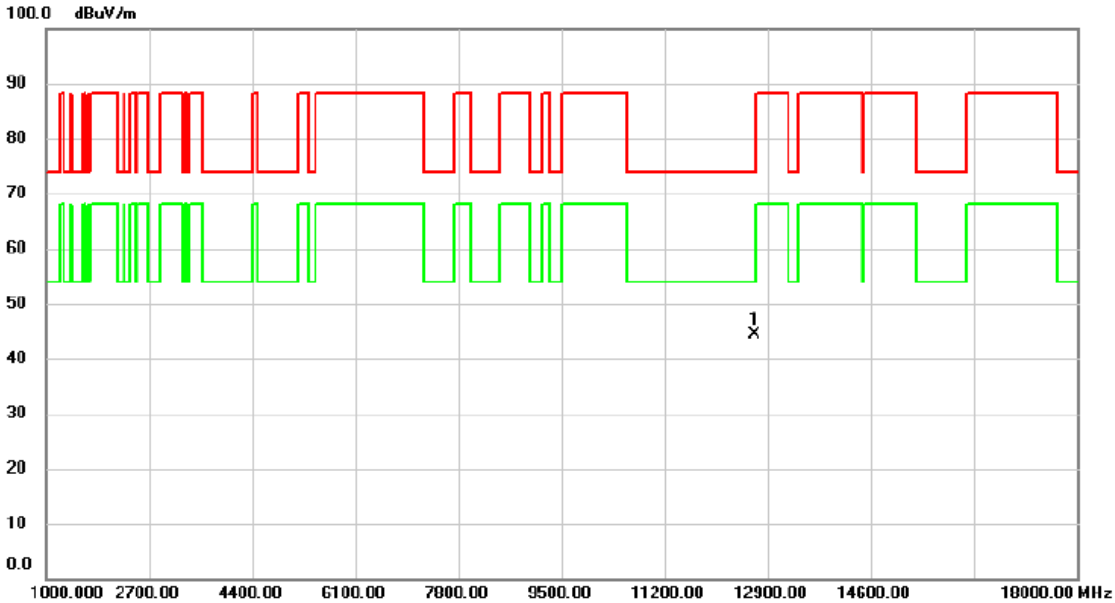
Test Mode	UNII-5_TX BE(EHT160) Mode 6185 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12370.00	48.82	-4.94	43.88	74.00	-30.12	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

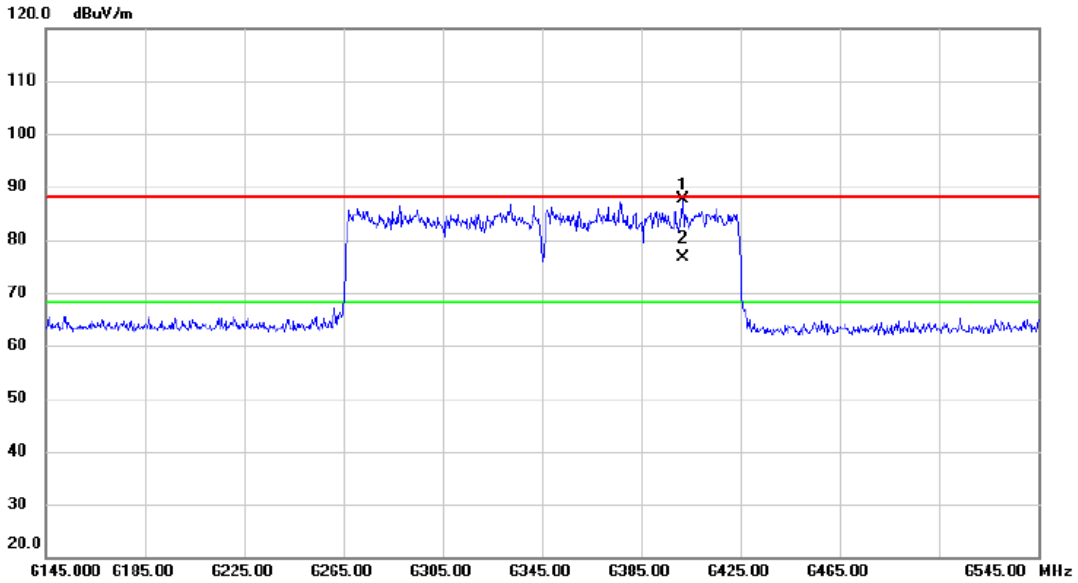
Test Mode	UNII-5_TX BE(EHT160) Mode 6345 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12690.00	48.53	-4.17	44.36	74.00	-29.64	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

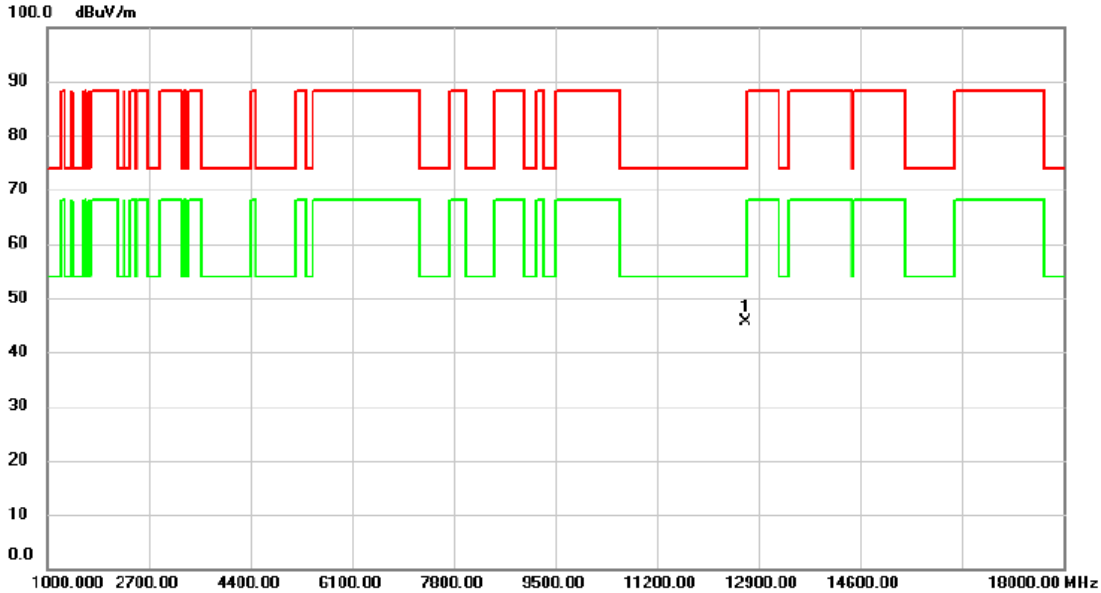
Test Mode	UNII-5_TX BE(EHT160) Mode 6345 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		6401.800	46.36	41.24	87.60	88.20	-0.60	peak			
2	*	6401.800	35.36	41.24	76.60	68.20	8.40	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

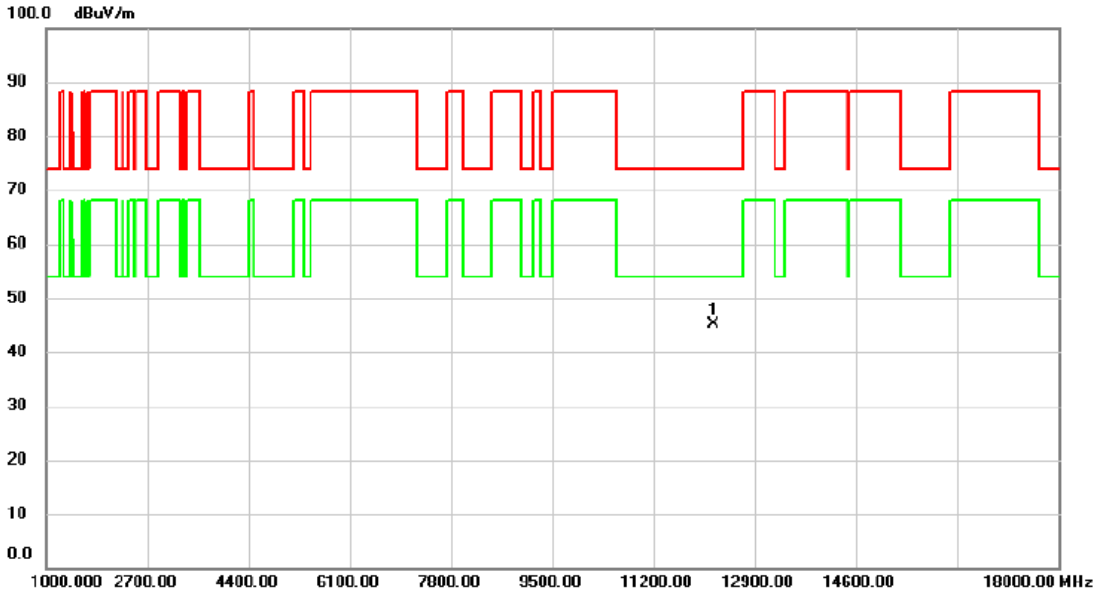
Test Mode	UNII-5_TX BE(EHT160) Mode 6345 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12690.00	49.77	-4.17	45.60	74.00	-28.40	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

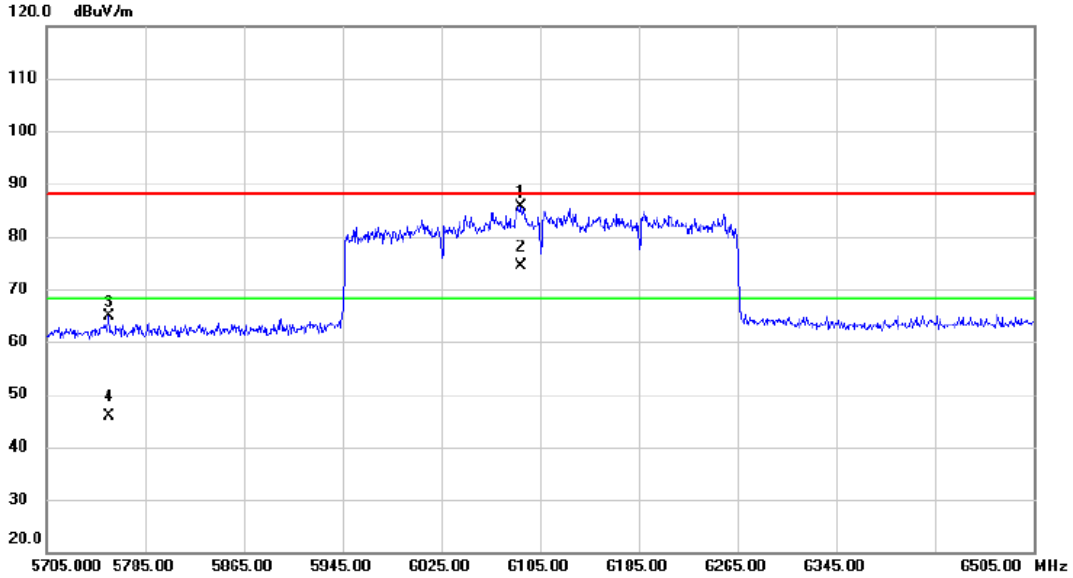
Test Mode	UNII-5_TX BE(EHT320) Mode 6105 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12210.00	50.22	-5.11	45.11	74.00	-28.89	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

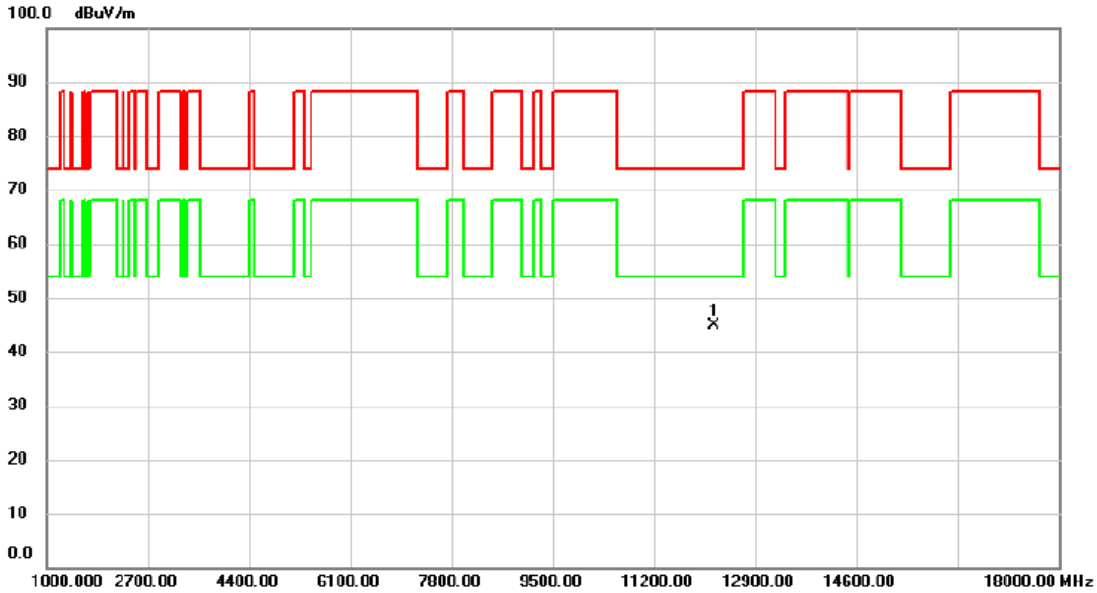
Test Mode	UNII-5_TX BE(EHT320) Mode 6105 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		6089.400	45.24	40.32	85.56	88.20	-2.64	peak			
2	*	6089.400	34.13	40.32	74.45	68.20	6.25	AVG			
3		5755.800	25.31	39.53	64.84	88.20	-23.36	peak			
4		5755.800	6.35	39.53	45.88	68.20	-22.32	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

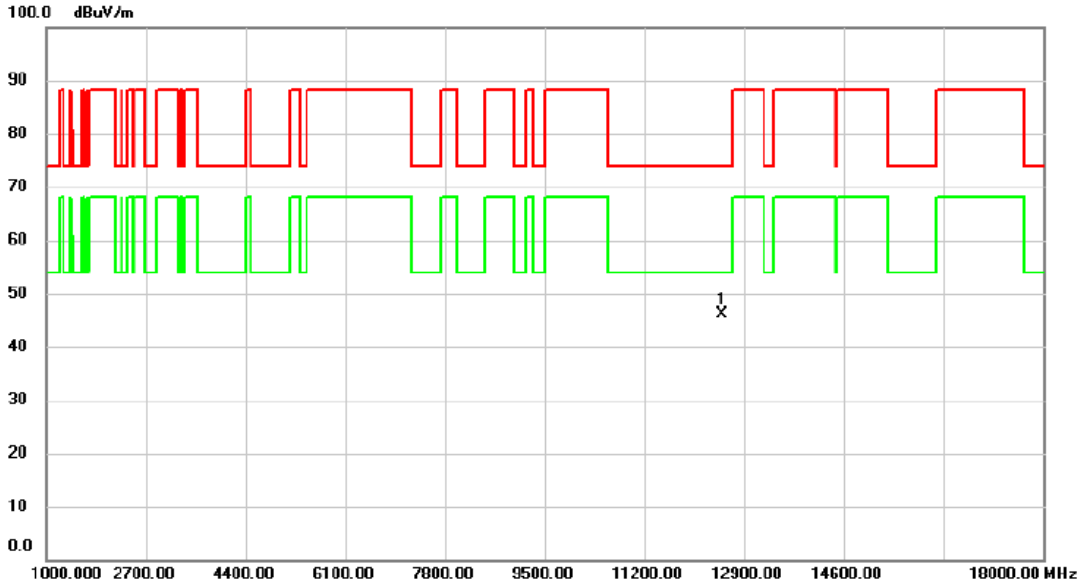
Test Mode	UNII-5_TX BE(EHT320) Mode 6105 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12210.00	49.94	-5.11	44.83	74.00	-29.17	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

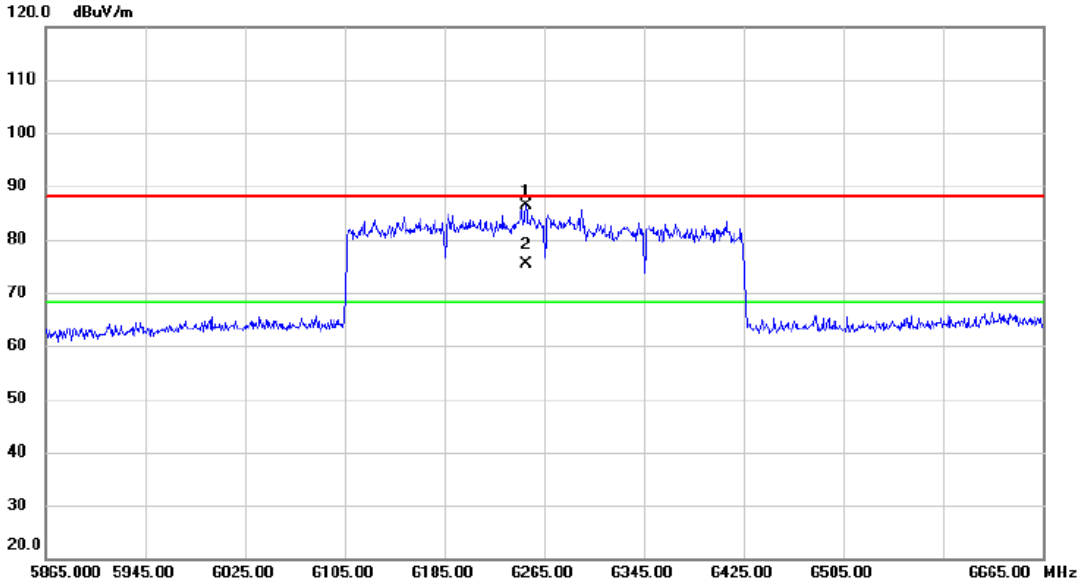
Test Mode	UNII-5_TX BE(EHT320) Mode 6265 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12530.00	50.76	-4.71	46.05	74.00	-27.95	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

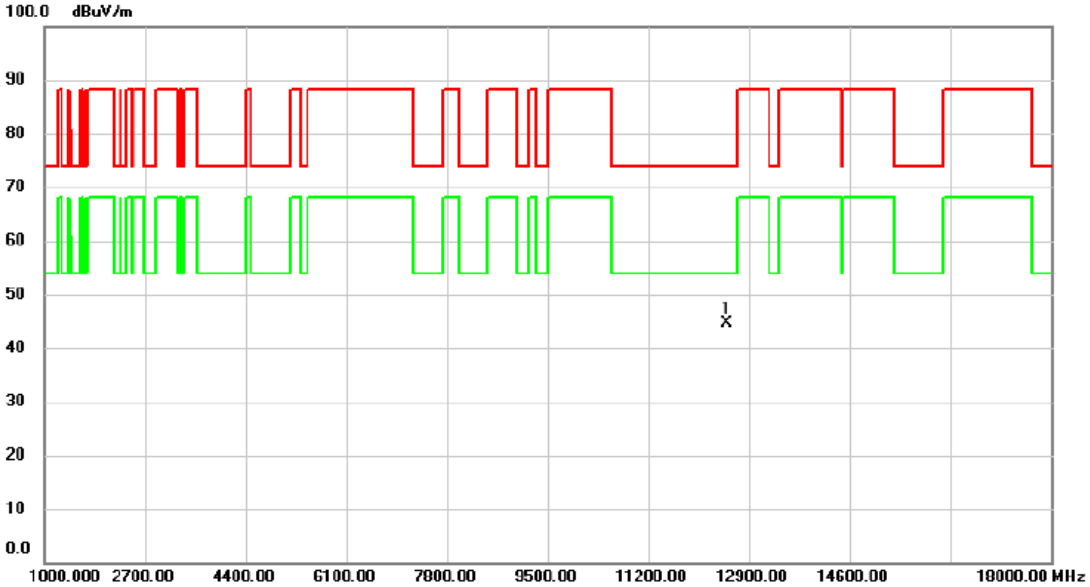
Test Mode	UNII-5_TX BE(EHT320) Mode 6265 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		6250.600	45.52	40.79	86.31	88.20	-1.89	peak			
2	*	6250.600	34.68	40.79	75.47	68.20	7.27	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

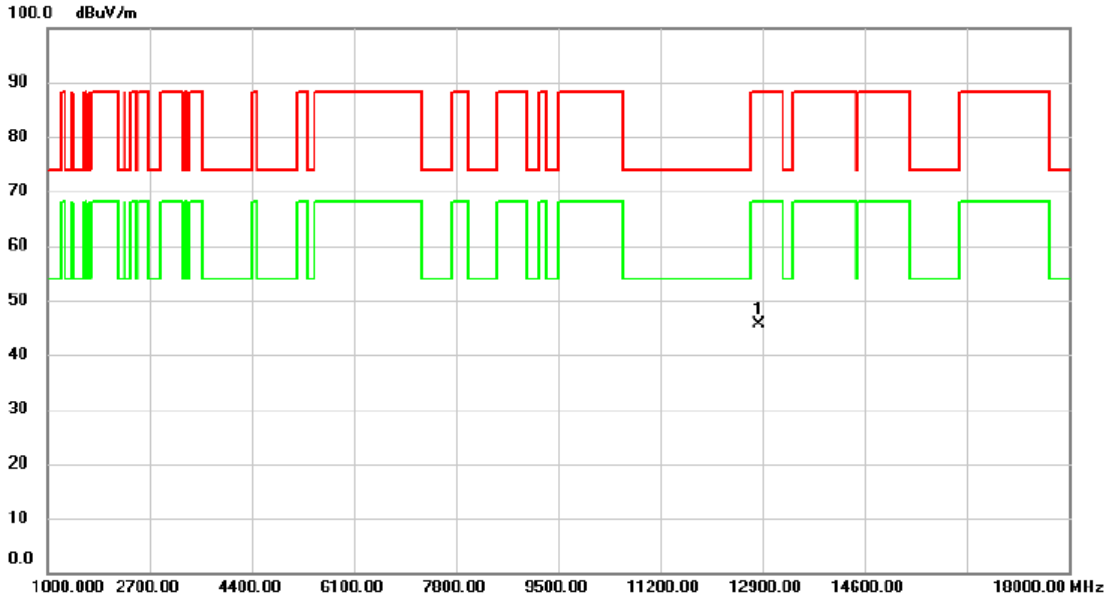
Test Mode	UNII-5_TX BE(EHT320) Mode 6265 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12530.00	49.40	-4.71	44.69	74.00	-29.31	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

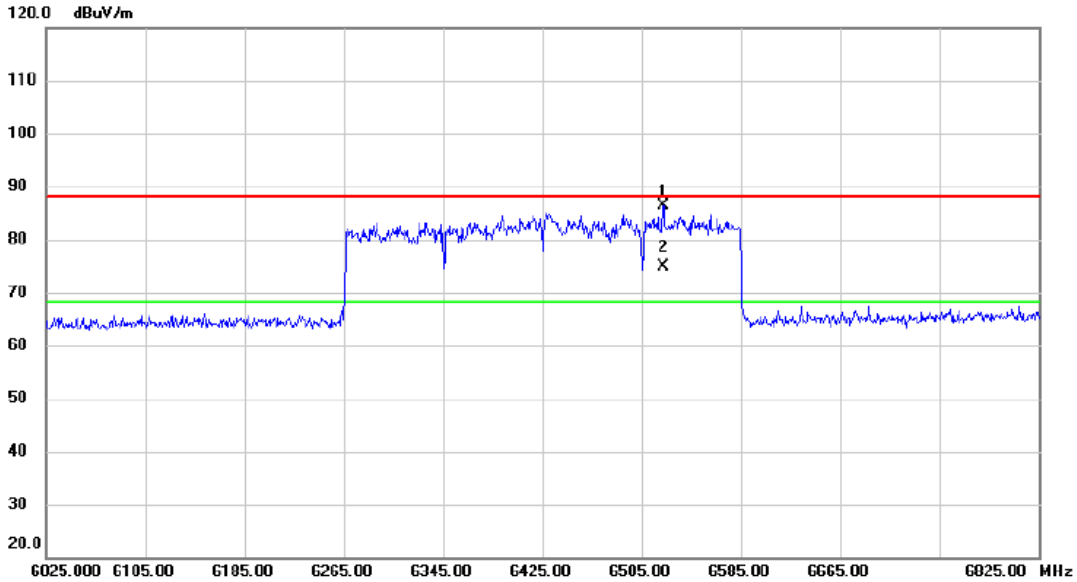
Test Mode	UNII-5+ UNII-6+ UNII-7_TX BE(EHT320) Mode 6425 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12850.00	49.17	-3.65	45.52	88.20	-42.68	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

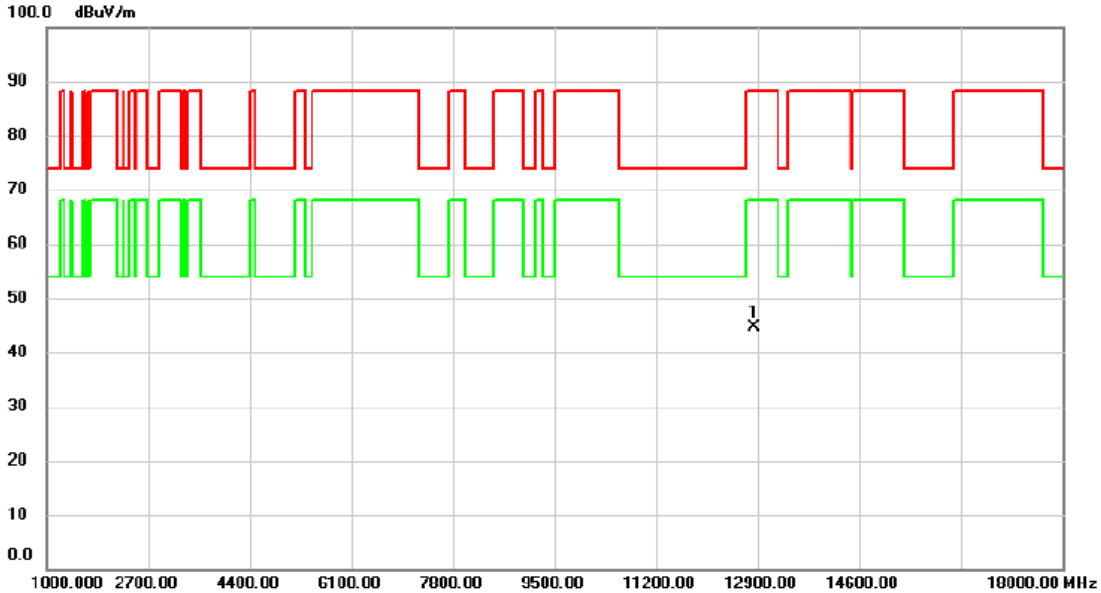
Test Mode	UNII-5+ UNII-6+ UNII-7_TX BE(EHT320) Mode 6425 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		6523.000	44.73	41.58	86.31	88.20	-1.89	peak			
2	*	6523.000	33.22	41.58	74.80	68.20	6.60	AVG			

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

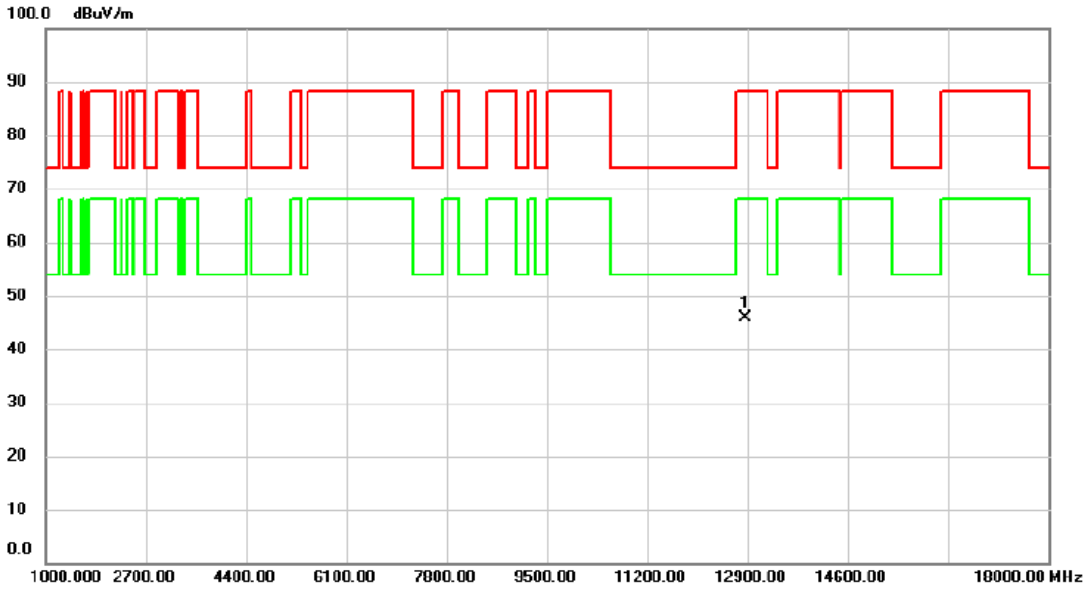
Test Mode	UNII-5+ UNII-6+ UNII-7_TX BE(EHT320) Mode 6425 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12850.00	48.37	-3.65	44.72	88.20	-43.48	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

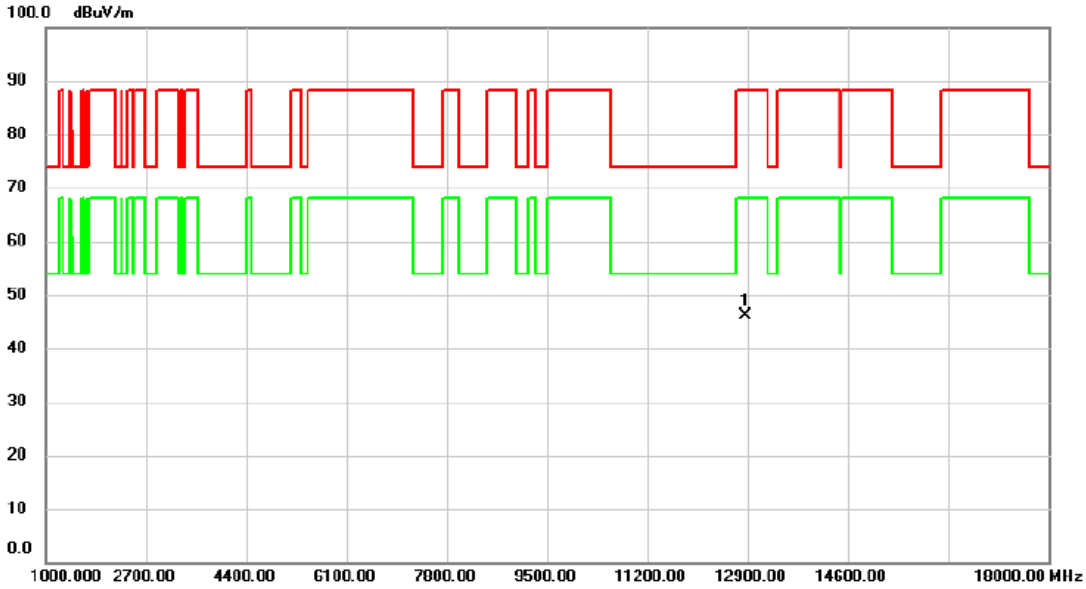
Test Mode	UNII-6_TX AX(HE20) Mode 6435 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12870.00	49.56	-3.58	45.98	88.20	-42.22	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-6_TX AX(HE20) Mode 6435 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12870.00	49.61	-3.58	46.03	88.20	-42.17	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.