FCC Radio Test Report

FCC ID: 2A2PW190981

This report concerns: Original Grant

Project No.	:	2309G010
Equipment	:	Indoor Access Point
Brand Name	:	FS
Test Model	:	AP-N635
Series Model	:	N/A
Applicant	:	FS.COM Inc.
Address	:	380 Centerpoint Blvd, New Castle, DE 19720, United States
Manufacturer	:	FS.COM Inc.
Address	:	380 Centerpoint Blvd, New Castle, DE 19720, United States
Date of Receipt	:	Nov. 07, 2023
Date of Test	:	Nov. 07, 2023 ~ Jul. 16, 2024
Issued Date	:	Aug. 14, 2024
Report Version	:	R00
Test Sample	:	Engineering Sample No.: SSL2023110711 for radiated, SSL20240415180 for other.
Standard(s)	:	FCC CFR Title 47, Part 15, Subpart E

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

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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.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

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-5-2309G010	R00	Original Report.	Aug. 14, 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 NVLAP:
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

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 A	PASS	------
15.407(b) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	------
15.407(a)	Bandwidth	APPENDIX E	PASS	------
15.407(a)	Maximum e.i.r.p.	APPENDIX F	PASS	------
15.407(a)	Maximum Power Spectral Density (e.i.r.p.)	APPENDIX G	PASS	------
15.407(b)	In-Band Emission (Mask)	APPENDIX H	PASS	------
15.407(d)	Contention Based Protocol	APPENDIX I	PASS	------
15.407(g)	Frequency Stability	------	**NOTE (2)**	------
15.203 15.407(a)	Antenna Requirements	------	PASS	**NOTE (3)** **NOTE (4)**

Note:
(1) "N/A" denotes test is not applicable in this test report.
(2) The item is declared by the manufacturer.
(3) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.
(4) The device employ a permanently attached integrated antenna.
(5) 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. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong 523792.
BTL's Registration Number for FCC: 162128
BTL's Designation Number for FCC: CN5042

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. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	*U*,(dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.88

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	*U*,(dB)
DG-CB01	CISPR	9kHz ~ 30MHz	2.36

Test Site	Method	Measurement Frequency Range	Ant. H / V	*U*,(dB)
DG-CB03 (3m)	CISPR	30MHz ~ 200MHz	V	4.40
		30MHz ~ 200MHz	H	3.62
		200MHz ~ 1,000MHz	V	4.58
		200MHz ~ 1,000MHz	H	3.98

Test Site	Method	Measurement Frequency Range	*U*,(dB)
DG-CB03 (3m)	CISPR	1GHz ~ 6GHz	4.08
		6GHz ~ 18GHz	4.62

Test Site	Method	Measurement Frequency Range	*U*,(dB)
DG-CB03 (1m)	CISPR	18 ~ 26.5 GHz	3.36
		26.5 ~ 40 GHz	3.58

C. Other Measurement test:

Test Item	Uncertainty
Bandwidth	0.90 %
Maximum e.i.r.p.	1.3 dB
Maximum Power Spectral Density (e.i.r.p.)	1.4 dB
Frequency Stability	2.7 ppm
Temperature	0.8 °C
Humidity	2.2 %

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	Test Date
AC Power Line Conducted Emissions	24°C	58%	AC 120V/60Hz	Jolly Su	Dec. 27, 2023
Radiated Emissions -9kHz to 30MHz	22°C	53%	AC 120V/60Hz	Hayden Chen	Jul. 09, 2024
Radiated Emissions -30MHz to 1000MHz	25°C	44%	AC 120V/60Hz	Max Wang	Dec. 15, 2023
Radiated Emissions -Above 1000 MHz	23°C	41%	AC 120V/60Hz	Jensen Zhou	Feb. 23, 2024
	23°C	41%	AC 120V/60Hz	Jensen Zhou	Feb. 24, 2024
	23°C	46%	AC 120V/60Hz	Jensen Zhou	Jul. 16, 2024
	25°C	60%	AC 120V/60Hz	Jensen Zhou	Jul. 16, 2024
Bandwidth	22°C	57%	DC 54V	Zack Zhang	Jun. 12, 2024
	23°C	54%	DC 54V	Zack Zhang	Jun. 27, 2024
Maximum e.i.r.p.	22-23°C	51-55%	DC 54V	Oliver Wang	Jun. 25, 2024 -Jul. 01, 2024
Maximum Power Spectral Density (e.i.r.p.)	22°C	57%	DC 54V	Zack Zhang	Jun. 12, 2024
	23°C	54%	DC 54V	Zack Zhang	Jun. 27, 2024
In-Band Emission (Mask)	22°C	57%	DC 54V	Zack Zhang	Jun. 12, 2024
	23°C	54%	DC 54V	Zack Zhang	Jun. 27, 2024
Contention Based Protocol	21°C	52%	DC 54V	Zack Zhang	May 20, 2024

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Indoor Access Point
Brand Name	FS
Test Model	AP-N635
Series Model	N/A
Model Difference(s)	N/A
Software Version	FSOS 11.9(6)W3S6
Hardware Version	V1.00
Power Source	Supplied from PoE adapter (support unit).
Power Rating	54V⎓1.1A, PoE
Operation Frequency Band(s)	UNII-5: 5925 MHz ~ 6425 MHz UNII-6: 6425 MHz ~ 6525 MHz UNII-7: 6525 MHz ~ 6875 MHz UNII-8: 6875 MHz ~ 7125 MHz
Modulation Type	IEEE 802.11ax: OFDMA
Bit Rate of Transmitter	IEEE 802.11ax: up to 4804 Mbps
Maximum e.i.r.p. _UNII-5 Non Beamforming	IEEE 802.11ax(HE160): 20.37 dBm (0.1089 W)
Maximum e.i.r.p. _UNII-6 Non Beamforming	IEEE 802.11ax(HE80): 20.00 dBm (0.1000 W)
Maximum e.i.r.p. _UNII-7 Non Beamforming	IEEE 802.11ax(HE80): 20.57 dBm (0.1140 W)
Maximum e.i.r.p. _UNII-6+7 Non Beamforming	IEEE 802.11ax(HE80): 19.57 dBm (0.0906 W)
Maximum e.i.r.p. _UNII-8 Non Beamforming	IEEE 802.11ax(HE160): 25.93 dBm (0.3917 W)
Maximum e.i.r.p. _UNII-7+8 Non Beamforming	IEEE 802.11ax(HE160): 24.98 dBm (0.3148 W)
Maximum e.i.r.p. _UNII-5 Beamforming	IEEE 802.11ax(HE160): 20.13 dBm (0.1030 W)
Maximum e.i.r.p. _UNII-6 Beamforming	IEEE 802.11ax(HE160): 19.74 dBm (0.0942 W)
Maximum e.i.r.p. _UNII-7 Beamforming	IEEE 802.11ax(HE80): 20.38 dBm (0.1091 W)
Maximum e.i.r.p. _UNII-6+7 Beamforming	IEEE 802.11ax(HE80): 19.25 dBm (0.0841 W)
Maximum e.i.r.p. _UNII-8 Beamforming	IEEE 802.11ax(HE160): 25.67 dBm (0.3690 W)
Maximum e.i.r.p. _UNII-7+8 Beamforming	IEEE 802.11ax(HE160): 24.70 dBm (0.2951 W)

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Channel List:

UNII-5					
IEEE 802.11ax(HE20)					
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)					
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)					
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)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
15	6025	47	6185	79	6345

UNII-6					
IEEE 802.11ax(HE20)					
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)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
99	6445	107	6485	115	6525

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

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

UNII-7					
IEEE 802.11ax(HE20)					
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)					
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)					
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)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
143	6665	175	6825		

UNII-8					
IEEE 802.11ax(HE20)					
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)					
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)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
199	6945	215	7025		

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

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	N/A	3.50
2	N/A	N/A	PCB	N/A	3.50
3	N/A	N/A	PCB	N/A	3.47
4	N/A	N/A	PCB	N/A	3.50

Note:

1) This EUT supports CDD, and all antenna gains are not equal, so Directional gain=10log[$(10^{G1/20}+10^{G2/20}+...10^{GN/20})^2$/N]dBi, that is Directional gain=10log[$(10^{3.5/20}+10^{3.5/20}+10^{3.47/20}+10^{3.5/20})^2$/4]dBi =9.51.

4. Table for Antenna Configuration:

For Non Beamforming:

Operating Mode / TX Mode	4TX
IEEE 802.11ax(HE20)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE40)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE80)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE160)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)

For Beamforming:

Operating Mode / TX Mode	4TX
IEEE 802.11ax(HE20)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE40)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE80)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE160)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)

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 AX(HE20) Mode Channel 97/105/113 (UNII-6)
Mode 6	TX AX(HE40) Mode Channel 99/107 (UNII-6)
Mode 7	TX AX(HE80) Mode Channel 103 (UNII-6)
Mode 8	TX AX(HE20) Mode Channel 117/149/181 (UNII-7)
Mode 9	TX AX(HE40) Mode Channel 123/147/179 (UNII-7)
Mode 10	TX AX(HE80) Mode Channel 135/151/167 (UNII-7)
Mode 11	TX AX(HE160) Mode Channel 143 (UNII-7)
Mode 12	TX AX(HE40) Mode Channel 115 (UNII-6+UNII-7)
Mode 13	TX AX(HE80) Mode Channel 119 (UNII-6+UNII-7)
Mode 14	TX AX(HE160) Mode Channel 111 (UNII-6+UNII-7)
Mode 15	TX AX(HE20) Mode Channel 189/213/233 (UNII-8)
Mode 16	TX AX(HE40) Mode Channel 195/211/227 (UNII-8)
Mode 17	TX AX(HE80) Mode Channel 199/215 (UNII-8)
Mode 18	TX AX(HE160) Mode Channel 207 (UNII-8)
Mode 19	TX AX(HE20) Mode Channel 185 (UNII-7+UNII-8)
Mode 20	TX AX(HE40) Mode Channel 187 (UNII-7+UNII-8)
Mode 21	TX AX(HE80) Mode Channel 183 (UNII-7+UNII-8)
Mode 22	TX AX(HE160) Mode Channel 175 (UNII-7+UNII-8)
Mode 23	TX AX(HE160) Mode Channel 207 (UNII-8)

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

AC power line conducted emissions test	
Final Test Mode	Description
Mode 23	TX AX(HE160) Mode Channel 207 (UNII-8)

Radiated Emissions Test - Below 1GHz	
Final Test Mode	Description
Mode 23	TX AX(HE160) Mode Channel 207 (UNII-8)

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 AX(HE20) Mode Channel 97/105/113 (UNII-6)
Mode 6	TX AX(HE40) Mode Channel 99/107 (UNII-6)
Mode 7	TX AX(HE80) Mode Channel 103 (UNII-6)
Mode 8	TX AX(HE20) Mode Channel 117/149/181 (UNII-7)
Mode 9	TX AX(HE40) Mode Channel 123/147/179 (UNII-7)
Mode 10	TX AX(HE80) Mode Channel 135/151/167 (UNII-7)
Mode 11	TX AX(HE160) Mode Channel 143 (UNII-7)
Mode 12	TX AX(HE40) Mode Channel 115 (UNII-6+UNII-7)
Mode 13	TX AX(HE80) Mode Channel 119 (UNII-6+UNII-7)
Mode 14	TX AX(HE160) Mode Channel 111 (UNII-6+UNII-7)
Mode 15	TX AX(HE20) Mode Channel 189/213/233 (UNII-8)
Mode 16	TX AX(HE40) Mode Channel 195/211/227 (UNII-8)
Mode 17	TX AX(HE80) Mode Channel 199/215 (UNII-8)
Mode 18	TX AX(HE160) Mode Channel 207 (UNII-8)
Mode 19	TX AX(HE20) Mode Channel 185 (UNII-7+UNII-8)
Mode 20	TX AX(HE40) Mode Channel 187 (UNII-7+UNII-8)
Mode 21	TX AX(HE80) Mode Channel 183 (UNII-7+UNII-8)
Mode 22	TX AX(HE160) Mode Channel 175 (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 AX(HE20) Mode Channel 97/105/113 (UNII-6)
Mode 6	TX AX(HE40) Mode Channel 99/107 (UNII-6)
Mode 7	TX AX(HE80) Mode Channel 103 (UNII-6)
Mode 8	TX AX(HE20) Mode Channel 117/149/181 (UNII-7)
Mode 9	TX AX(HE40) Mode Channel 123/147/179 (UNII-7)
Mode 10	TX AX(HE80) Mode Channel 135/151/167 (UNII-7)
Mode 11	TX AX(HE160) Mode Channel 143 (UNII-7)
Mode 12	TX AX(HE40) Mode Channel 115 (UNII-6+UNII-7)
Mode 13	TX AX(HE80) Mode Channel 119 (UNII-6+UNII-7)
Mode 14	TX AX(HE160) Mode Channel 111 (UNII-6+UNII-7)
Mode 15	TX AX(HE20) Mode Channel 189/213/233 (UNII-8)
Mode 16	TX AX(HE40) Mode Channel 195/211/227 (UNII-8)
Mode 17	TX AX(HE80) Mode Channel 199/215 (UNII-8)
Mode 18	TX AX(HE160) Mode Channel 207 (UNII-8)
Mode 19	TX AX(HE20) Mode Channel 185 (UNII-7+UNII-8)
Mode 20	TX AX(HE40) Mode Channel 187 (UNII-7+UNII-8)
Mode 21	TX AX(HE80) Mode Channel 183 (UNII-7+UNII-8)
Mode 22	TX AX(HE160) Mode Channel 175 (UNII-7+UNII-8)

Note:
(1) For AC power line conducted emissions and radiated emission below 1 GHz test, the IEEE 802.11AX(HE160) channel 207 is found to be the worst case and recorded.
(2) For radiated emission above 1 GHz test: The polarization of Vertical and Horizontal are evaluated, the worst case is Horizontal and recorded.
(3) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz and 26.5GHz~40GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
(4) For radiated emission Harmonic 18-40GHz test, only tested the worst case and recorded.
(5) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
(6) 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.

3.3 PARAMETERS OF TEST SOFTWARE

Non Beamforming

UNII-5			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	5955	6175	6415
IEEE 802.11ax(HE20)	30	22	24
Frequency (MHz)	5965	6165	6405
IEEE 802.11ax(HE40)	39	35	34
Frequency (MHz)	5985	6145	6385
IEEE 802.11ax(HE80)	39	39	39
Frequency (MHz)	6025	6185	6345
IEEE 802.11ax(HE160)	39	39	39

UNII-6			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	6435	6475	6515
IEEE 802.11ax(HE20)	22	24	24
Frequency (MHz)	6445	6485	
IEEE 802.11ax(HE40)	34	39	
Frequency (MHz)	6465		
IEEE 802.11ax(HE80)	39		

UNII-7			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	6535	6695	6855
IEEE 802.11ax(HE20)	24	24	22
Frequency (MHz)	6565	6685	6845
IEEE 802.11ax(HE40)	37	32	34
Frequency (MHz)	6625	6705	6785
IEEE 802.11ax(HE80)	39	39	39
Frequency (MHz)	6665		
IEEE 802.11ax(HE160)	39		

UNII-8			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	6895	7015	7115
IEEE 802.11ax(HE20)	24	26	22
Frequency (MHz)	6925	7005	7085
IEEE 802.11ax(HE40)	38	37	34
Frequency (MHz)	6945	7025	
IEEE 802.11ax(HE80)	39	39	
Frequency (MHz)	6985		
IEEE 802.11ax(HE160)	41		

UNII-6+UNII-7	
Test Software Version	accessMTool_REL_3_3_0_2
Frequency (MHz)	6525
IEEE 802.11ax(HE40)	34
Frequency (MHz)	6545
IEEE 802.11ax(HE80)	39
Frequency (MHz)	6505
IEEE 802.11ax(HE160)	39

UNII-7+UNII-8	
Test Software Version	accessMTool_REL_3_3_0_2
Frequency (MHz)	6875
IEEE 802.11ax(HE20)	22
Frequency (MHz)	6885
IEEE 802.11ax(HE40)	34
Frequency (MHz)	6865
IEEE 802.11ax(HE80)	39
Frequency (MHz)	6825
IEEE 802.11ax(HE160)	40

Beamforming

UNII-5			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	5955	6175	6415
IEEE 802.11ax(HE20)	29	21	23
Frequency (MHz)	5965	6165	6405
IEEE 802.11ax(HE40)	38	34	33
Frequency (MHz)	5985	6145	6385
IEEE 802.11ax(HE80)	38	38	38
Frequency (MHz)	6025	6185	6345
IEEE 802.11ax(HE160)	38	38	38

UNII-6			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	6435	6475	6515
IEEE 802.11ax(HE20)	21	23	23
Frequency (MHz)	6445	6485	
IEEE 802.11ax(HE40)	33	38	
Frequency (MHz)	6465		
IEEE 802.11ax(HE80)	38		

UNII-7			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	6535	6695	6855
IEEE 802.11ax(HE20)	23	23	21
Frequency (MHz)	6565	6685	6845
IEEE 802.11ax(HE40)	36	31	33
Frequency (MHz)	6625	6705	6785
IEEE 802.11ax(HE80)	38	38	38
Frequency (MHz)	6665		
IEEE 802.11ax(HE160)	38		

UNII-8			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	6895	7015	7115
IEEE 802.11ax(HE20)	23	25	21
Frequency (MHz)	6925	7005	7085
IEEE 802.11ax(HE40)	37	36	34
Frequency (MHz)	6945	7025	
IEEE 802.11ax(HE80)	38	38	
Frequency (MHz)	6985		
IEEE 802.11ax(HE160)	40		

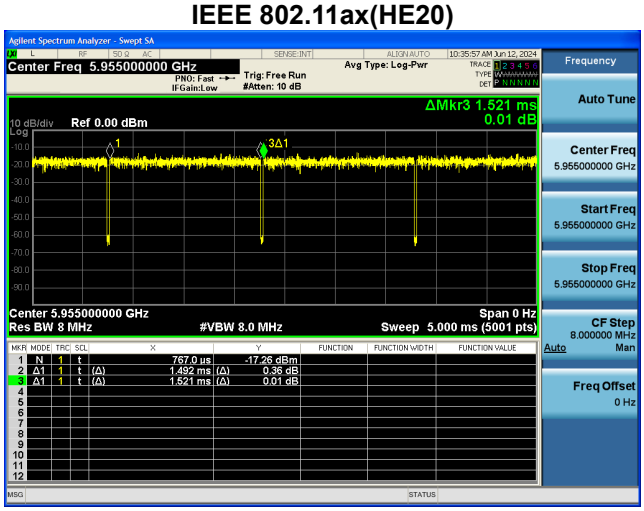
UNII-6+UNII-7	
Test Software Version	accessMTool_REL_3_3_0_2
Frequency (MHz)	6525
IEEE 802.11ax(HE40)	33
Frequency (MHz)	6545
IEEE 802.11ax(HE80)	38
Frequency (MHz)	6505
IEEE 802.11ax(HE160)	38

UNII-7+UNII-8	
Test Software Version	accessMTool_REL_3_3_0_2
Frequency (MHz)	6875
IEEE 802.11ax(HE20)	21
Frequency (MHz)	6885
IEEE 802.11ax(HE40)	33
Frequency (MHz)	6865
IEEE 802.11ax(HE80)	38
Frequency (MHz)	6825
IEEE 802.11ax(HE160)	39

3.4 DUTY CYCLE

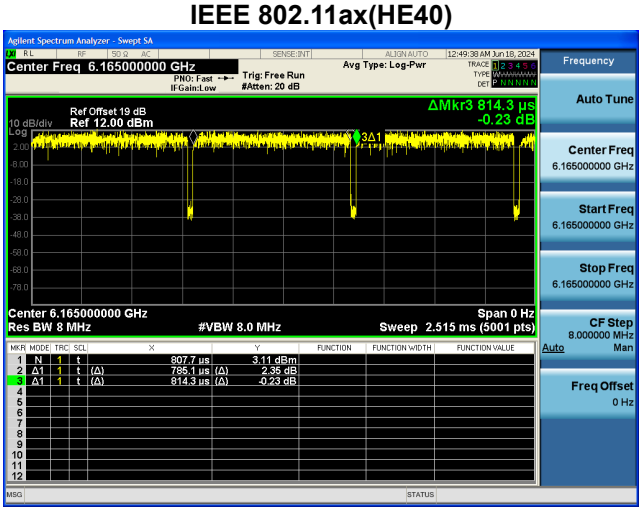
If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.
The output power = measured power + duty factor.
The power spectral density = measured power spectral density + duty factor.

IEEE 802.11ax(HE20)



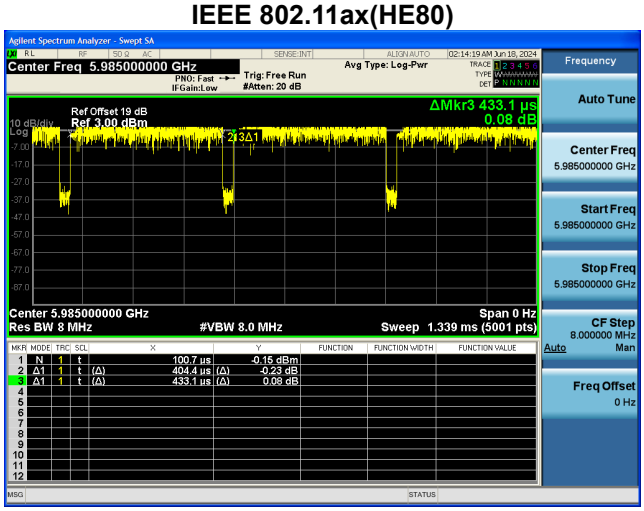
Duty cycle = 1.492 ms / 1.521 ms = 98.09%
Duty Factor = 10 log(1 / Duty cycle) = 0.00

IEEE 802.11ax(HE40)



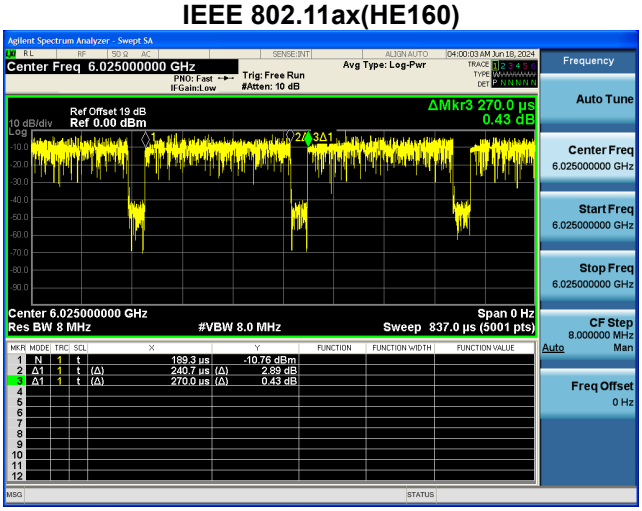
Duty cycle = 0.7851 ms / 0.8143 ms = 96.41%
Duty Factor = 10 log(1 / Duty cycle) = 0.16

IEEE 802.11ax(HE80)



Duty cycle = 0.4044 ms / 0.4331 ms = 93.37%
Duty Factor = 10 log(1 / Duty cycle) = 0.30

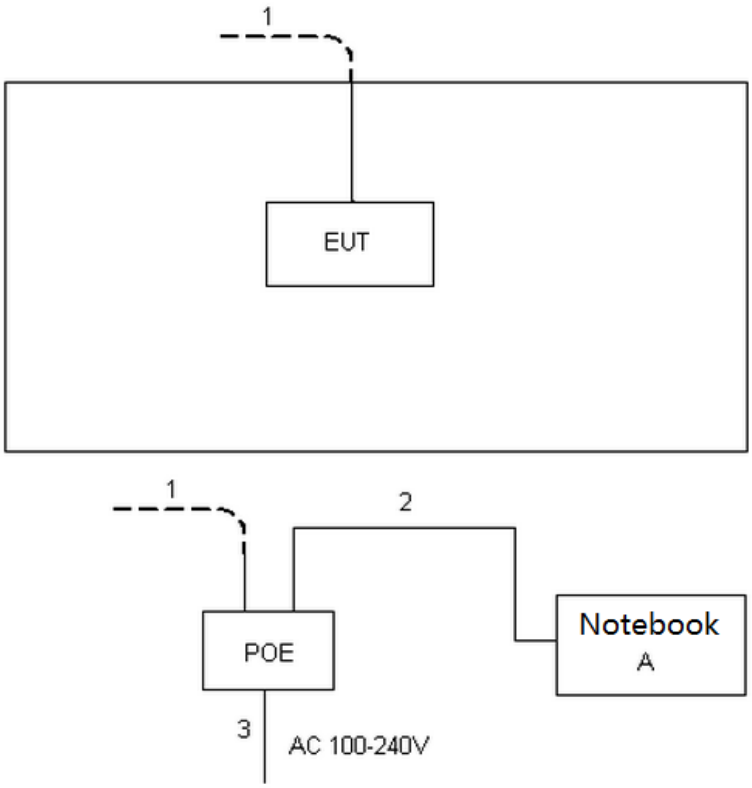
IEEE 802.11ax(HE160)



Duty cycle = 0.2407 ms / 0.2700 ms = 89.15%
Duty Factor = 10 log(1 / Duty cycle) = 0.50

NOTE:
For IEEE 802.11ax(HE20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle ≥ 98%).
For IEEE 802.11ax(HE40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle < 98%).
For IEEE 802.11ax(HE80):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 kHz (Duty cycle < 98%).
For IEEE 802.11ax(HE160):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 kHz (Duty cycle < 98%).

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Honor	I14SER5 3500	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	RJ45 Cable	NO	NO	10m
2	Network Cable	NO	NO	1m
3	AC Cable	NO	NO	1.5m

3.7 CUSTOMER INFORMATION DESCRIPTION

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

4. AC POWER LINE CONDUCTED EMISSIONS

4.1 LIMIT

Frequency (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:
(1) The tighter limit applies at the band edges.
(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
(3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)
Margin Level = Measurement Value – Limit Value

4.2 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

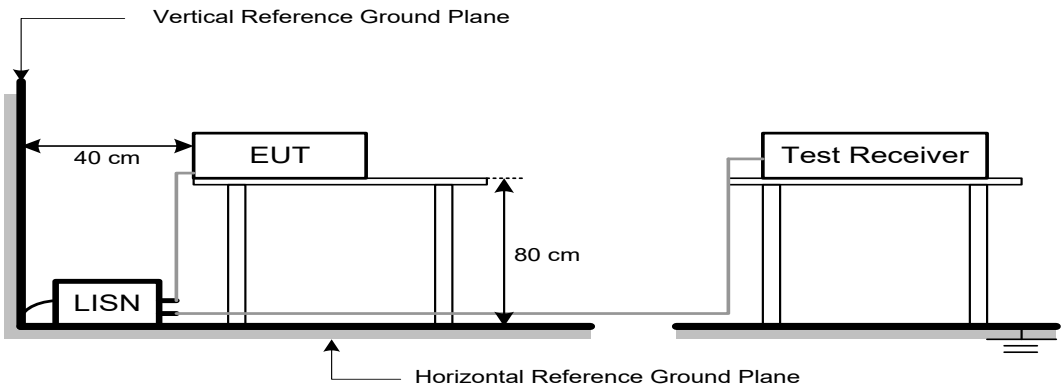
The following table is the setting of the receiver:

Receiver Parameter	Setting
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

4.3 DEVIATION FROM TEST STANDARD

No deviation

4.4 TEST SETUP



4.5 EUT OPERATION CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.
The EUT was programmed to be in continuously transmitting/TX mode.

4.6 TEST RESULTS

Please refer to the APPENDIX A.

5. RADIATED EMISSIONS

5.1 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)

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

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

5.2 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

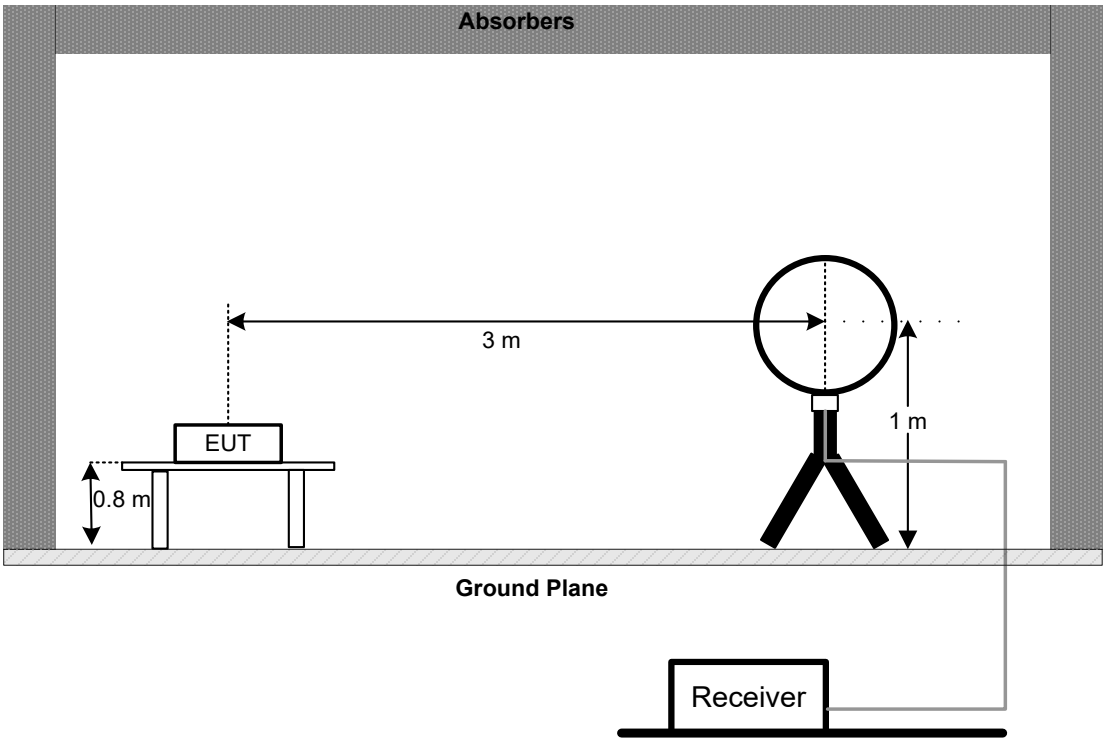
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

5.3 DEVIATION FROM TEST STANDARD

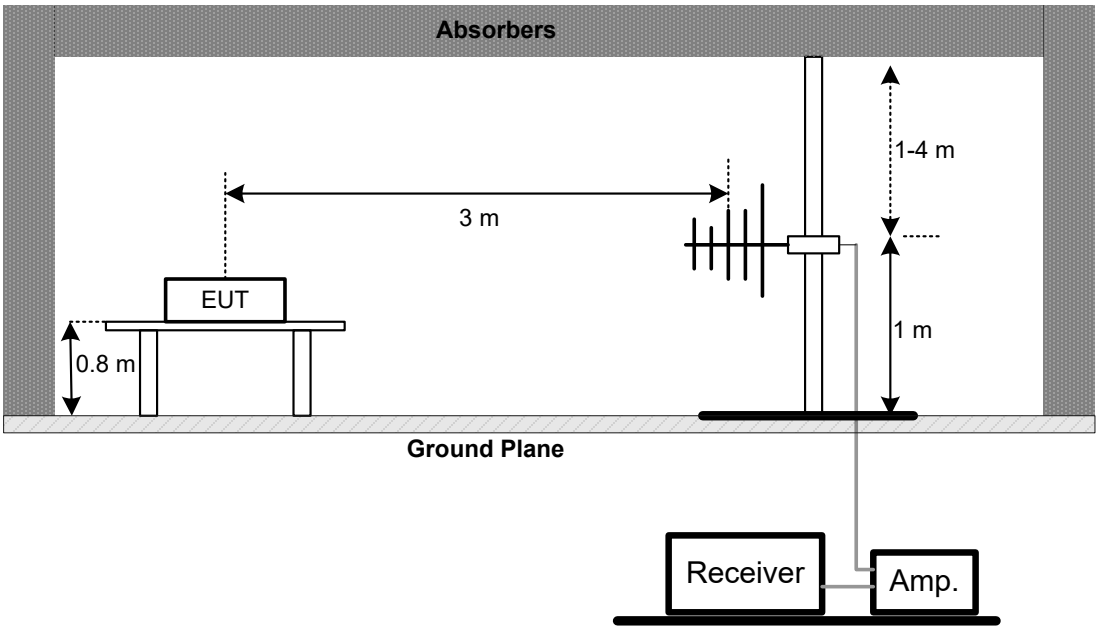
No deviation.

5.4 TEST SETUP

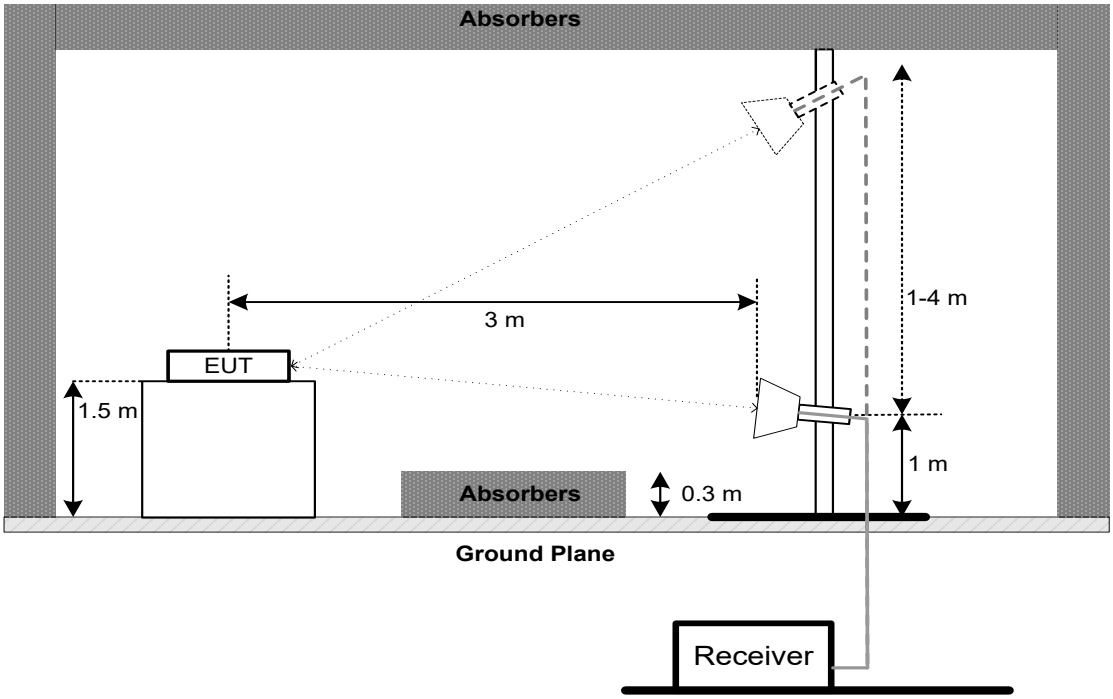
9 kHz to 30 MHz



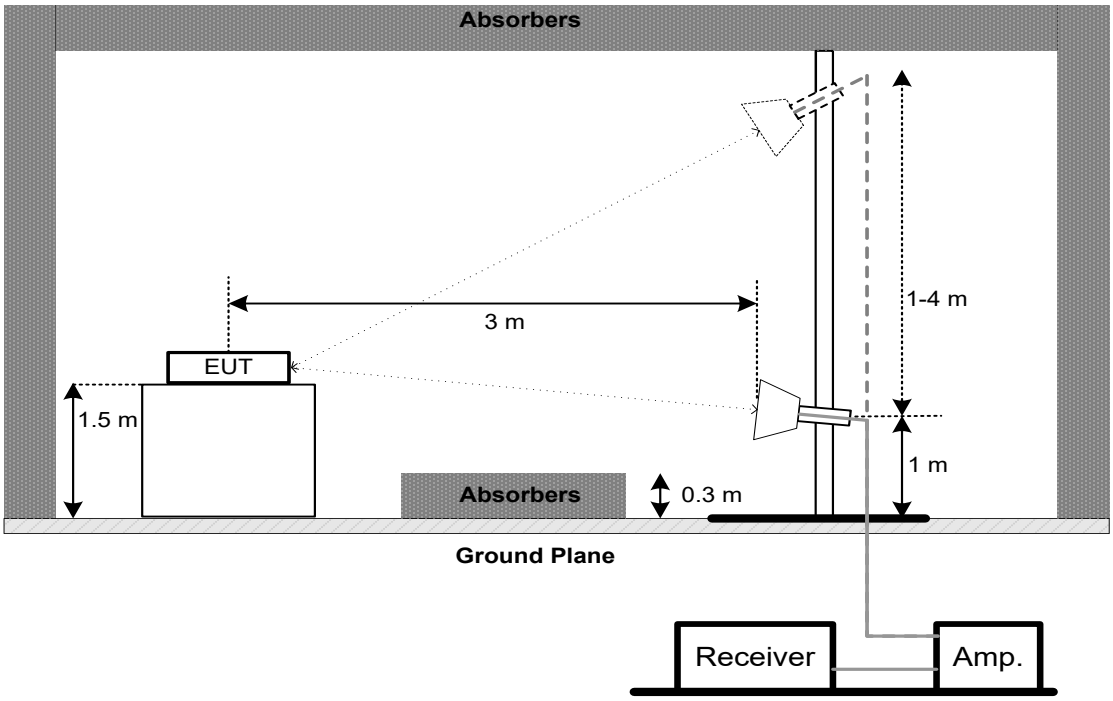
30 MHz to 1 GHz



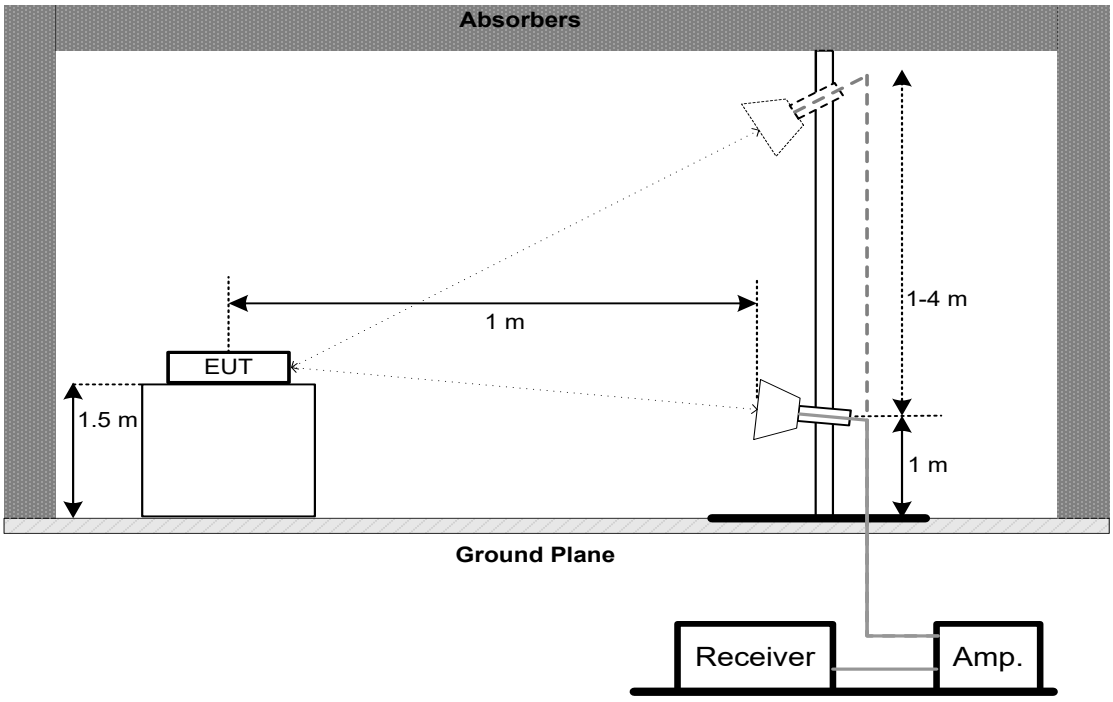
Above 1 GHz
Band edge



Harmonic (1 GHz to 18 GHz)



Harmonic (18 GHz to 40 GHz)



5.5 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.

5.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

Remark:

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

5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

5.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

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

6. BANDWIDTH

6.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	26 dB Bandwidth	Maximum 320 MHz	5925-7125

6.2 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:

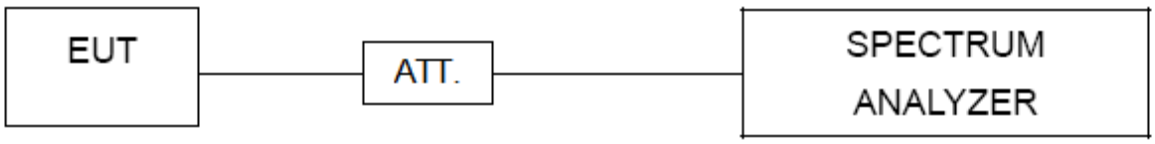
Spectrum Parameter	Setting
Span Frequency	1.5 times to 5 times the OBW
RBW	1% to 5% of the OBW
VBW	≥ 3*RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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

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 E.I.R.P.

7.1 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	

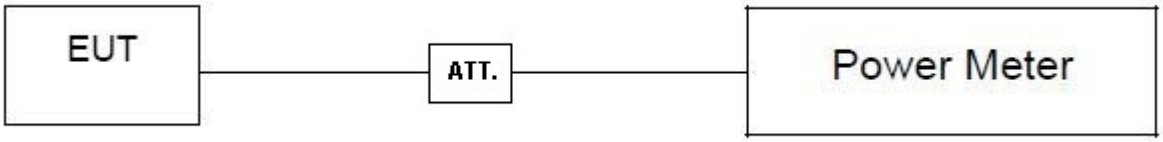
7.2 TEST PROCEDURE

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.

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

8.1 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	

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.

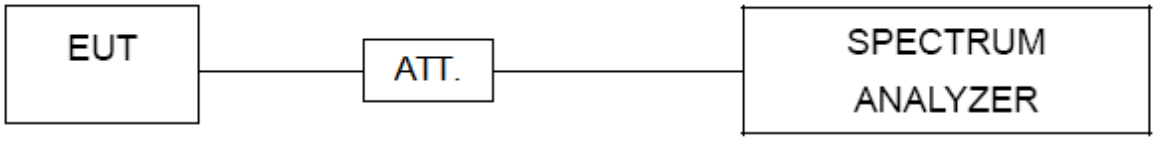
b. Spectrum Setting:

Spectrum Parameter	Setting
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1 MHz
VBW	3 MHz
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.

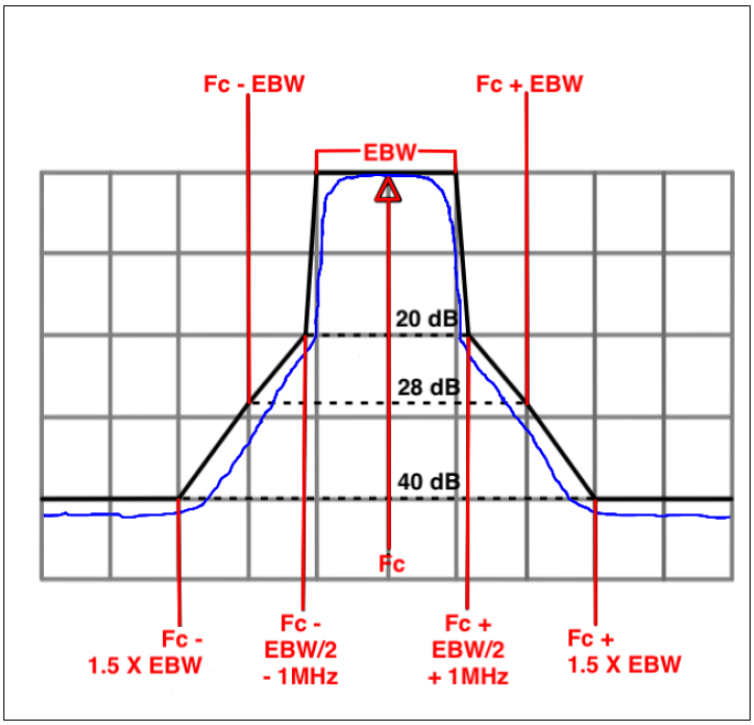
9. IN-BAND EMISSION (MASK)

9.1 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.



9.2 TEST PROCEDURE

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

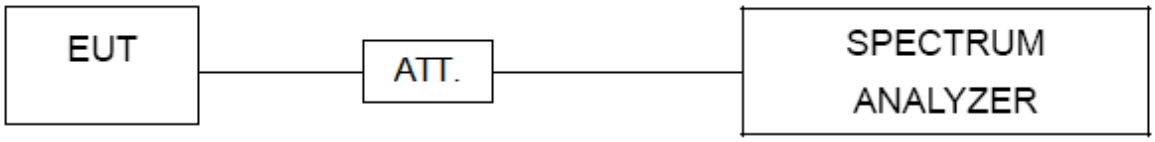
b. Spectrum Setting:

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

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

9.6 TEST RESULTS

Please refer to the APPENDIX H.

10. CONTENTION BASED PROTOCOL

10.1 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 3.47dBi. All power injected into EUT should be -62+3.47=-58.53dBm.

10.2 TEST PROCEDURE

1. CBP testing shall be performed on one channel in each sub-band of operation for both narrowest and widest bandwidths.
2. Use three separate 10 MHz AWGN signals when testing a 160 MHz channel. The simulated incumbent signal must be a 10 MHz wide AWGN signal.
3. Report lowest AWGN signal detectable by EUT.
4. Verify that the testing was performed with the AWGN signal set to lowest level (for example, -100 dBm) and increased until the EUT detects and stops transmitting.
   For KDB 987594 D04 UN6GHZ Pre-Approval Guidance Checklist v02:

UNII Band	…	…	…
Channel Number	…	…	…
Bandwidth (MHz)	…	…	…
EUT Frequency (MHz)	…	…	…
AWGN Frequency (MHz)	…	…	…
AWGN Power (dBm)	-65.5	-70.4	-80.0
Antenna Gain (dBi)	3	3	3
Path Loss (dB)	0.2	0.2	0.2
Adjusted Power (dBm)	-68.3	-73.2	-82.8
Detection Limit (dBm)	-62	-62	-62
EUT Tx Status[1]	OFF	Minimal	ON

[1] The AWGN level is reported for the following conditions:
- OFF = AWGN level at which no transmission is detected, consistently for a minimum period of 10 seconds
- Minimal: AWGN level at which the system begins to trigger the transmission switch-off, albeit not being kept off consistently
- ON = AWGN level at which no impact on the transmission is detected, consistently for a minimum period of 10 seconds

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

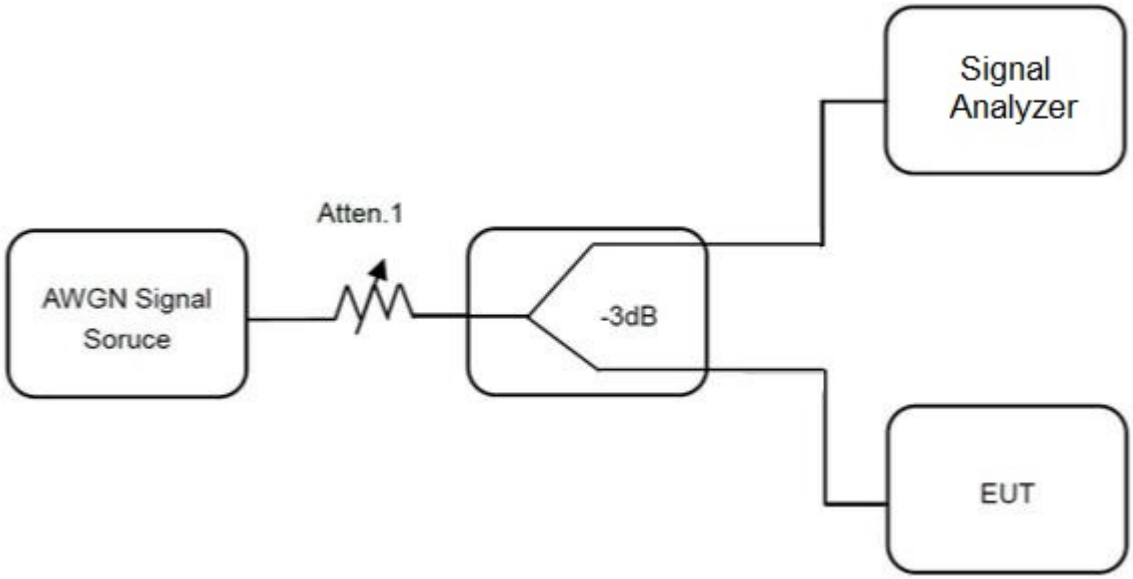
Where:
BW_{EUT}: Transmission bandwidth of EUT signal.
BW_{Inc}: Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal).
f_{c1}: Center frequency of EUT transmission.
f_{c2}: Center frequency of simulated incumbent signal.

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.

10.3 DEVIATION FROM STANDARD

No deviation.

10.4 TEST SETUP



10.5 EUT OPERATION CONDITIONS

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

10.6 TEST RESULTS

Please refer to the APPENDIX I.

11. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI TEST RECEIVER	R&S	ESCI	100382	Dec. 22, 2024
2	LISN	EMCO	23-Feb	52765	Jan. 07, 2024
3	TWO-LINE V-NETWOR	R&S	ENV216	101447	Jan. 07, 2024
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
5	Cable	N/A	RG223	12m	Mar. 01, 2024
6	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60B	1513-60 B-034	Mar. 30, 2025
2	MXE EMI Receiver	Keysight	N9038A	MY56400091	Dec. 22, 2024
3	Cable	N/A	RW2350-3.8A-NMB M-1.5M	N/A	Jun. 09, 2025
4	Cable	N/A	RG 213/U	N/A	Jun. 09, 2025
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	966 Chamber room	ETS	9*6*6	N/A	Jul. 11, 2024
7	WPT coil	N/A	100KHz-300KHz	N/A	N/A

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Receiver	Agilent	N9038A	MY52130039	Jan. 07, 2024
2	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	1462	Dec. 13, 2024
3	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06009	Dec. 13, 2024
4	Cable	RegalWay	LMR400-NMNM-12.5m	N/A	Jul. 04, 2024
5	Cable	RegalWay	LMR400-NMNM-3m	N/A	Jul. 04, 2024
6	Cable	RegalWay	LMR400-NMNM-0.5 m	N/A	Jul. 04, 2024
7	Positioning Controller	MF	MF-7802	N/A	N/A
8	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
9	966 Chamber room	CM	9*6*6	N/A	May 17, 2024

For test date: Feb. 23, 2024 & Feb. 24, 2024:

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Receiver	Agilent	N9038A	MY52130039	Dec. 22, 2024
2	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980888	Nov. 17, 2024
3	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	Jun. 16, 2024
4	Double Ridged Guide Antenna	ETS	3115	75789	May 31, 2024
5	Cable	RegalWay	A81-SMAMSMAM-1 2.5M	N/A	Aug. 08, 2024
6	Cable	RegalWay	RWLP50-4.0A-NMR ASM-2.5M	N/A	Aug. 08, 2024
7	Cable	RegalWay	RWLP50-4.0A-NMR ASMRA-0.8M	N/A	Aug. 08, 2024
8	Low Noise Amplifier	CONNPHY	CLN-18G40G-4330-K	619413	Jul. 06, 2024
9	Cable	RegalWay	RWLP50-2.6A-2.92 M2.92M-1.1M	N/A	Jul. 26, 2024
10	Cable	Tonscend	HF160-KMKM-3M	N/A	Jul. 26, 2024
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170(3m)	9170-319	Jun. 20, 2024
12	966 Chamber room	CM	9*6*6	N/A	May 17, 2024
13	Positioning Controller	MF	MF-7802	N/A	N/A
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

For test date: Jul. 16, 2024:

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Receiver	Agilent	N9038A	MY52130039	Dec. 22, 2024
2	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980888	Nov. 17, 2024
3	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	May 31, 2025
4	Double Ridged Guide Antenna	ETS	3115	75789	Jun. 15, 2025
5	Cable	RegalWay	A81-SMAMSMAM-1 2.5M	N/A	Aug. 08, 2024
6	Cable	RegalWay	RWLP50-4.0A-NMR ASM-2.5M	N/A	Aug. 08, 2024
7	Cable	RegalWay	RWLP50-4.0A-NMR ASMRA-0.8M	N/A	Aug. 08, 2024
8	Preamplifier	EMC INSTRUMENT	EMC184045SE	980905	Nov. 19, 2024
9	Cable	RegalWay	RWLP50-2.6A-2.92 M2.92M-1.1M	N/A	Jul. 26, 2024
10	Cable	Tonscend	HF160-KMKM-3M	N/A	Jul. 26, 2024
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170(3m)	9170-319	Jun. 20, 2024
12	966 Chamber room	CM	9*6*6	N/A	May 16, 2025
13	Positioning Controller	MF	MF-7802	N/A	N/A
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Bandwidth & Maximum Power Spectral Density & In-Band Emission (Mask)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EXA Spectrum Analyzer	Agilent	N9010A	MY50520044	Dec. 22, 2024
2	Cable	RegalWay	S02-181212-208	N/A	N/A
3	Cable	RegalWay	20210802 015	RWP50-402-SMSM-1M	N/A
4	Measurement Software	BTL	WIFI6E TestSystem	N/A	N/A
5	Attenuator	Talent Microwave	TA10A0-S-26.5	N/A	N/A
6	Attenuator	Talent Microwave	TA10A0-S-26.5	N/A	N/A
7	DC Block	N/A	N/A	N/A	N/A

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Jun. 17, 2024
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jun. 17, 2024
3	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A

Contention Based Protocol					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EXA Spectrum Analyzer	Agilent	N9010A	MY50520044	Dec. 22, 2024
2	MXG Vector Signal Generator	Keysight	N5182B	MY57300568	Jun. 17, 2024
3	Frequency Extender	Keysight	N5182BX07	MY59362506	Jun. 17, 2024
4	Cable	RegalWay	20210802 016	RWP50-402-SMSM-1M	N/A
5	Cable	RegalWay	20210802 002	RWP50-402-SMSM-1M	N/A
6	Cable	RegalWay	20210802 005	RWP50-402-SMSM-1M	N/A
7	DC Block	N/A	N/A	N/A	N/A
8	Measurement Software	BTL	WIFI6E TestSystem	N/A	N/A
9	Power Splitter	N/A	N/A	SZ201504789	Dec. 22, 2024
10	Power Splitter	N/A	N/A	SZ201504719	Dec. 22, 2024
11	Power divider	N/A	PD-2SF-2080	N/A	Dec. 22, 2024
12	Archer TXE75E	TP-LINK	TXE75E	N/A	N/A

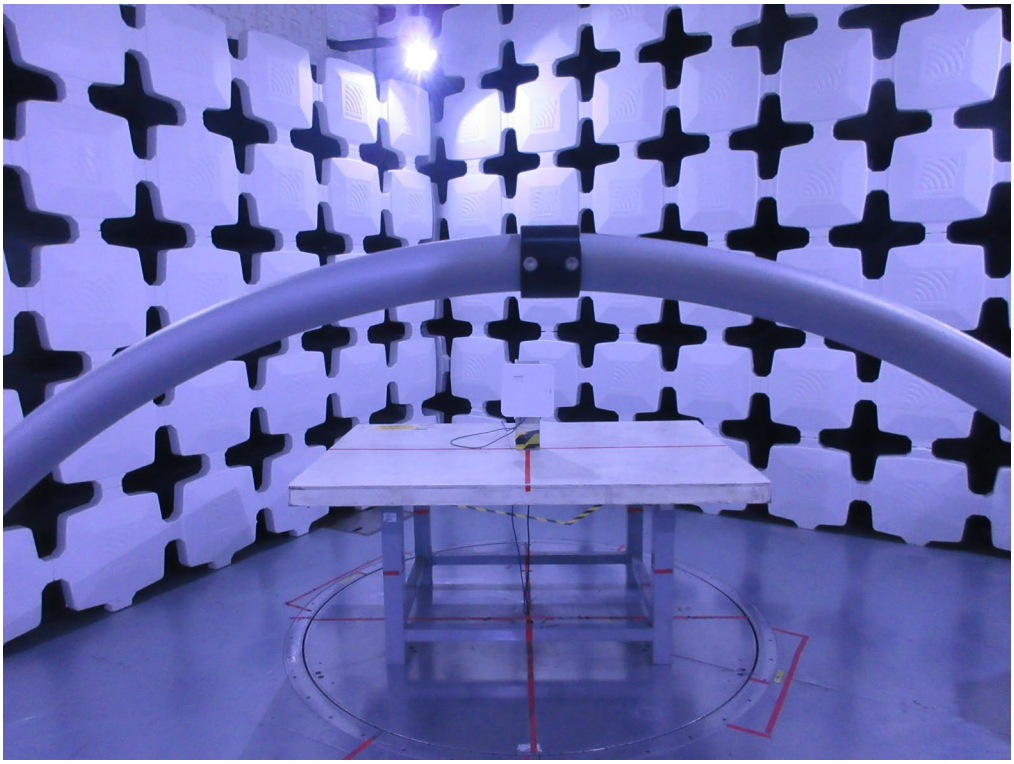
Remark: “N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

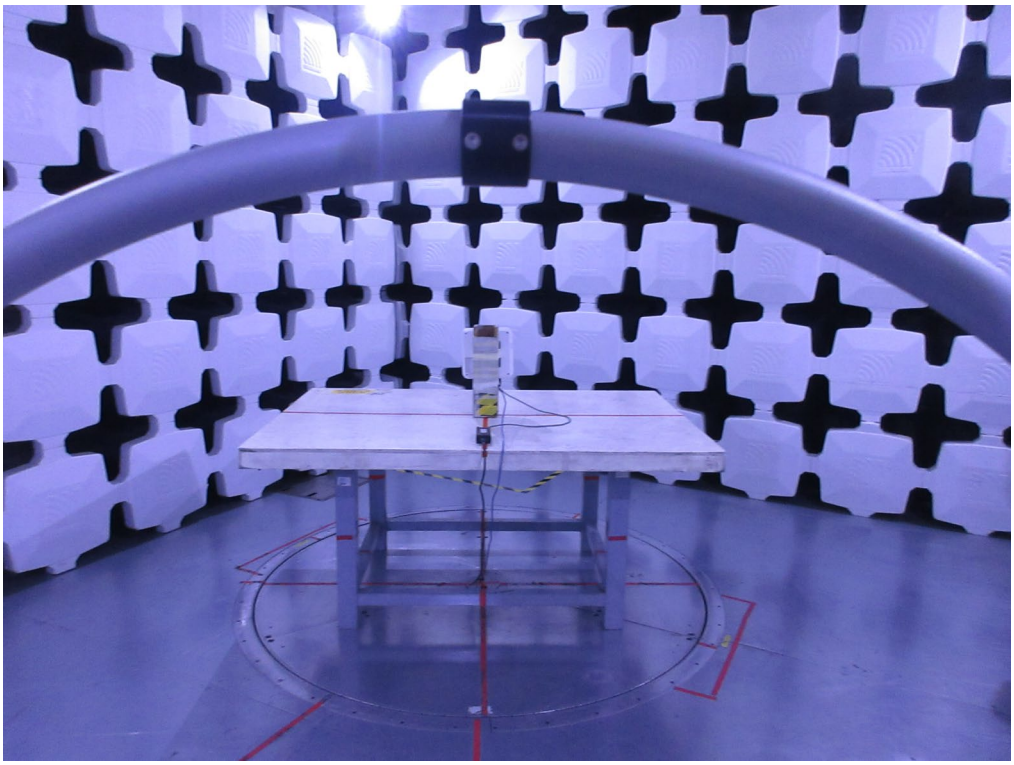
12. EUT TEST PHOTOS

AC Power Line Conducted Emissions Test Photos

Radiated Emissions Test Photos

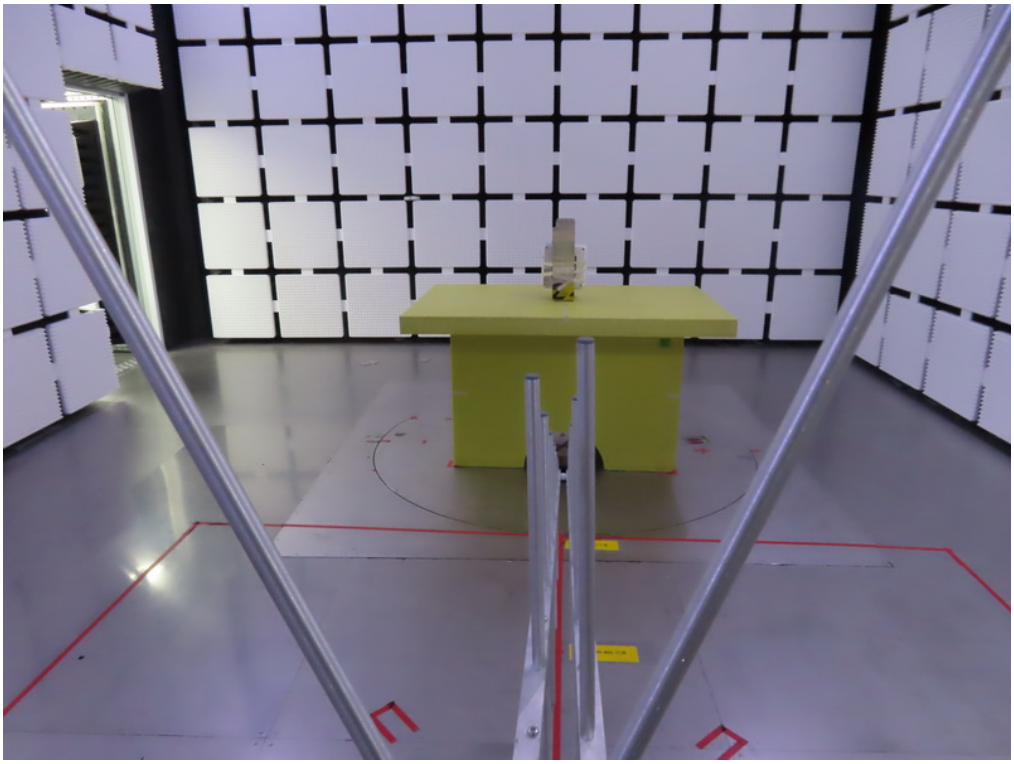
9 kHz to 30 MHz

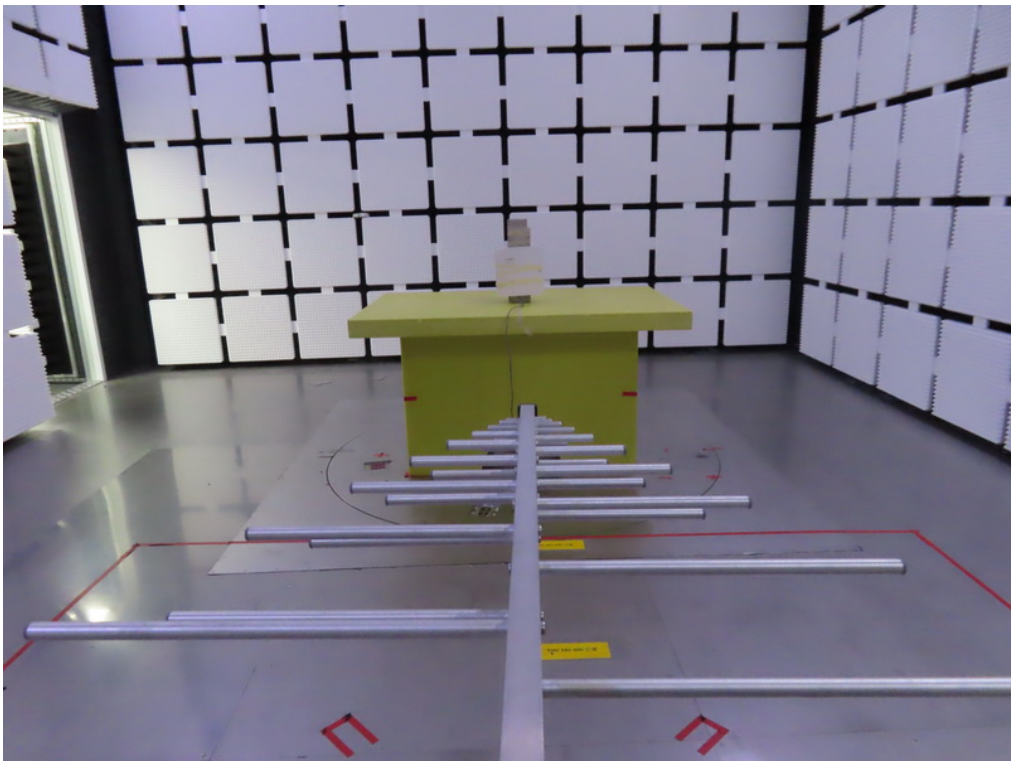




Radiated Emissions Test Photos

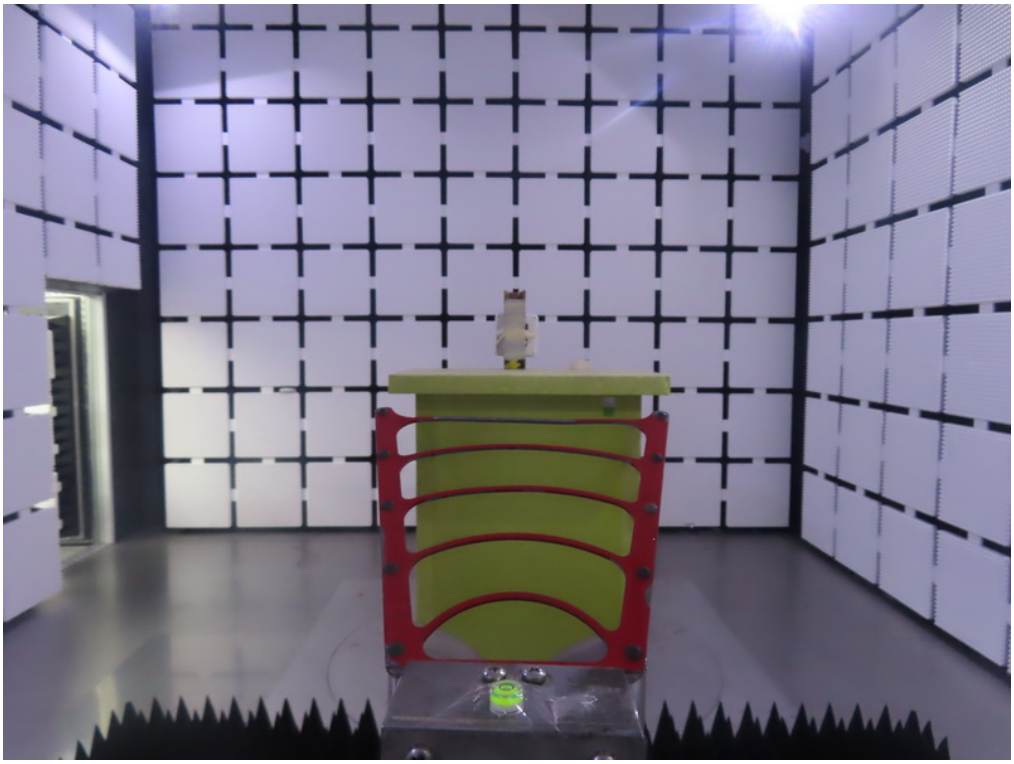
30 MHz to 1 GHz

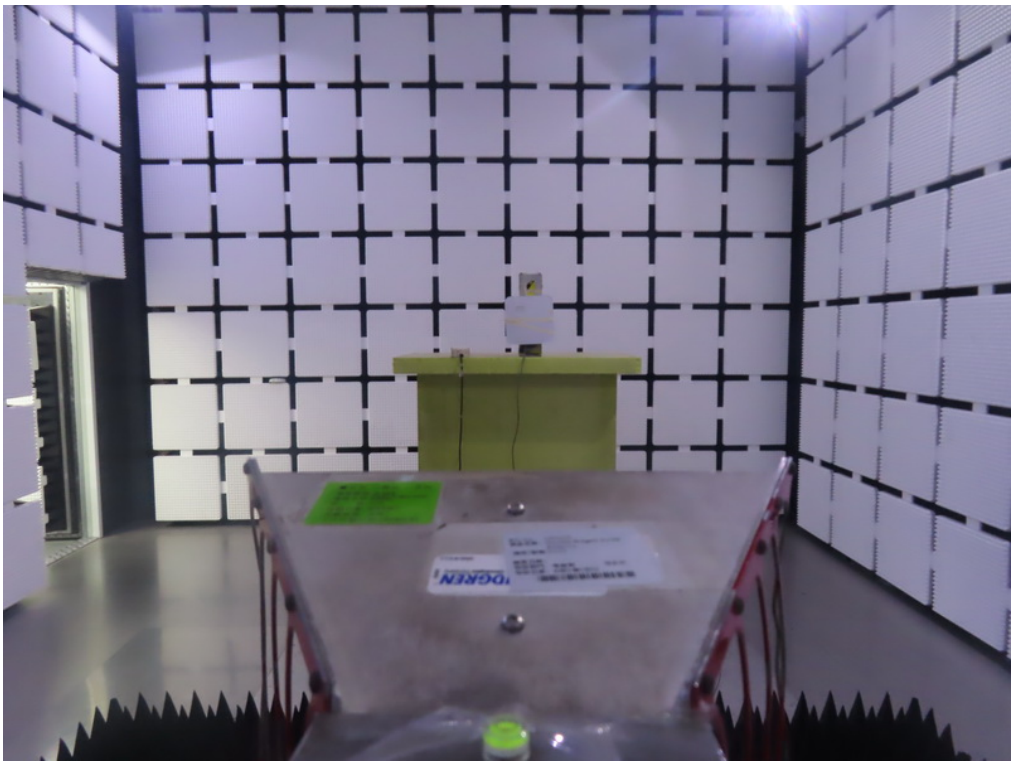




Radiated Emissions Test Photos

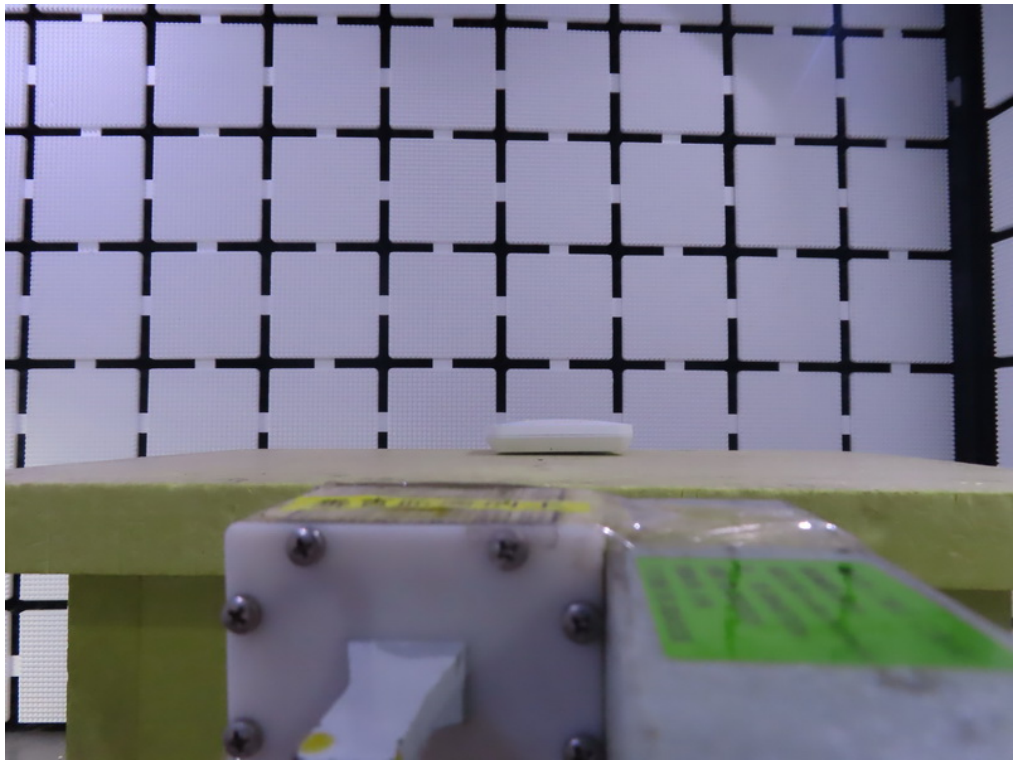
Band edge & Harmonic (1 GHz to 18 GHz)

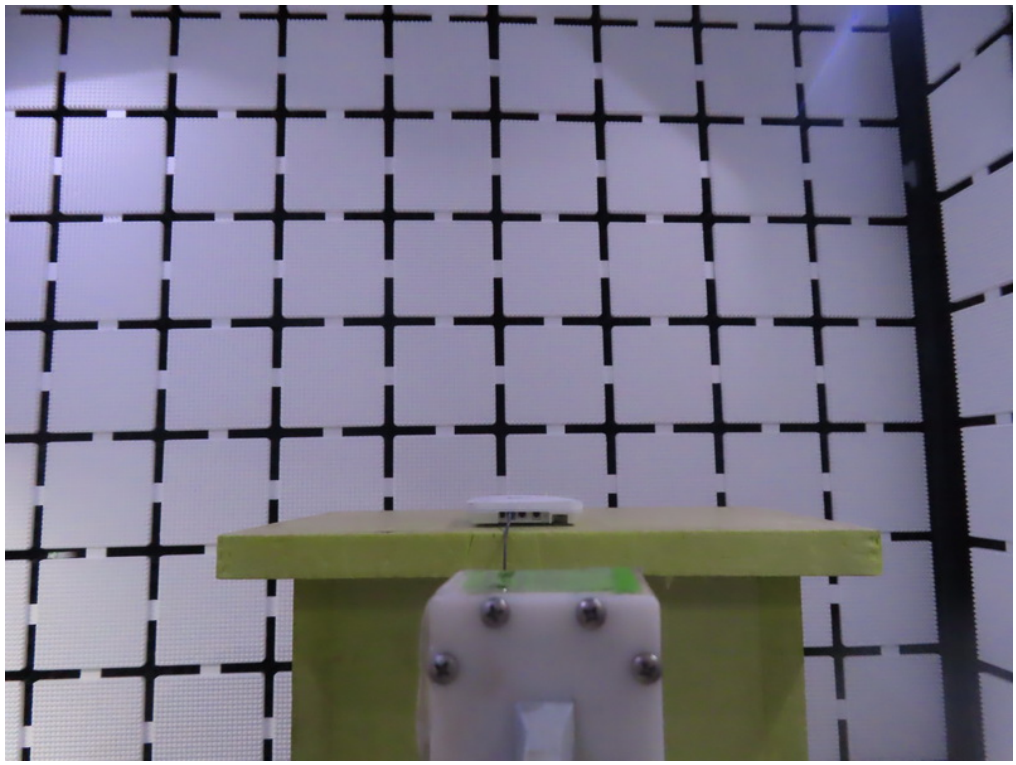




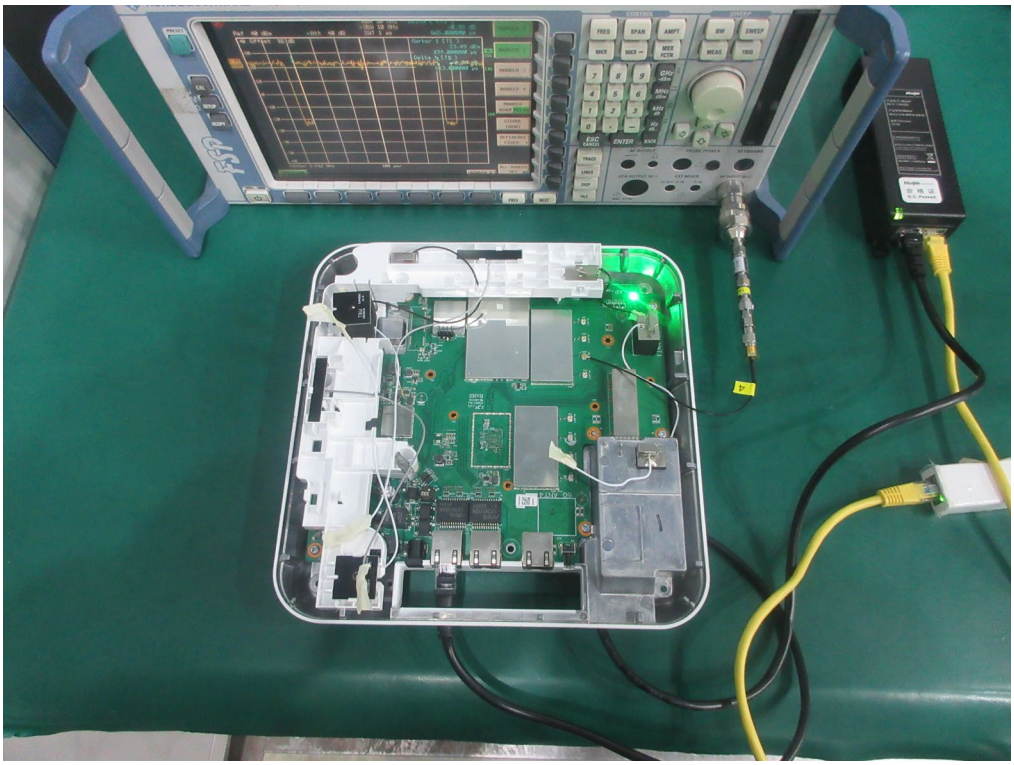
Radiated Emissions Test Photos

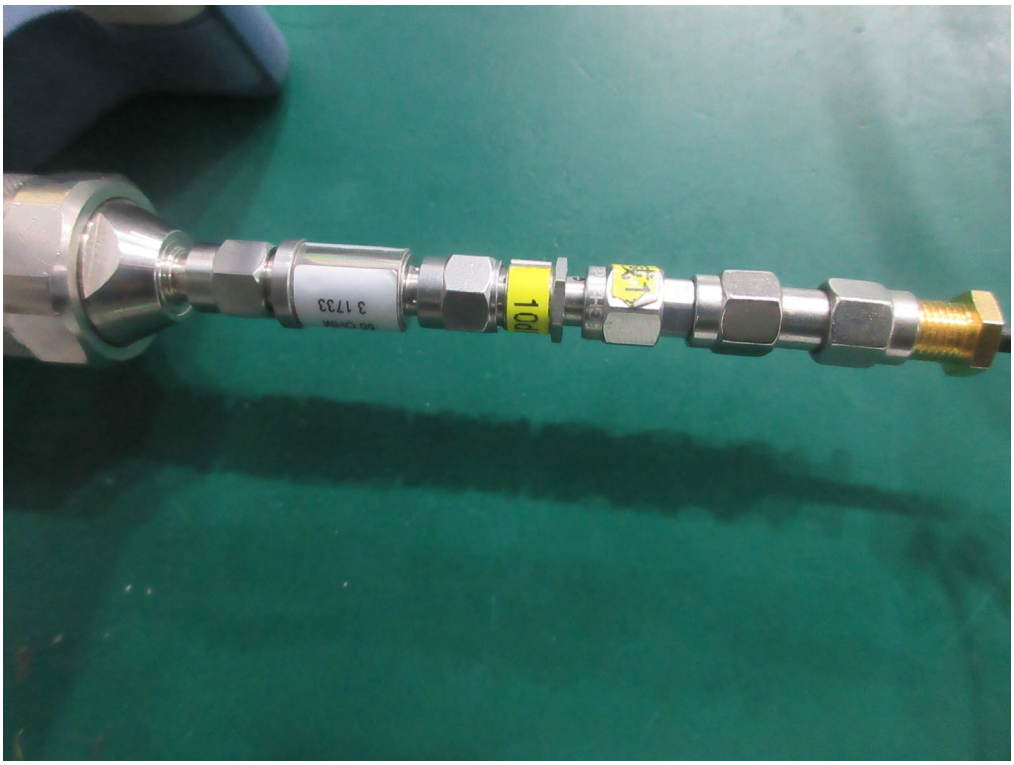
Harmonic (18 GHz to 40 GHz)





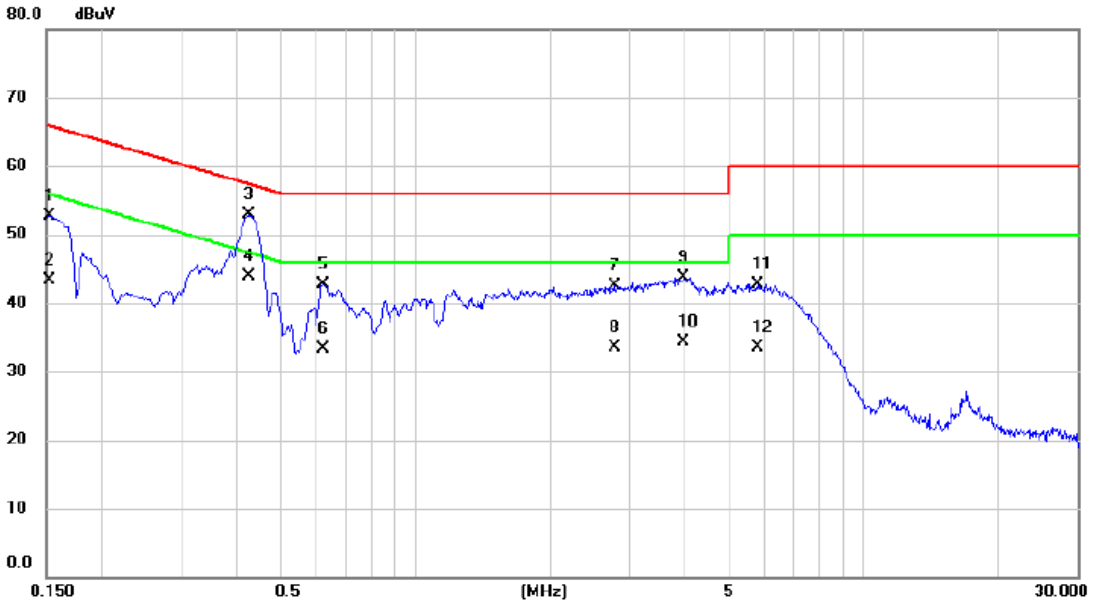
Conducted Test Photos





APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

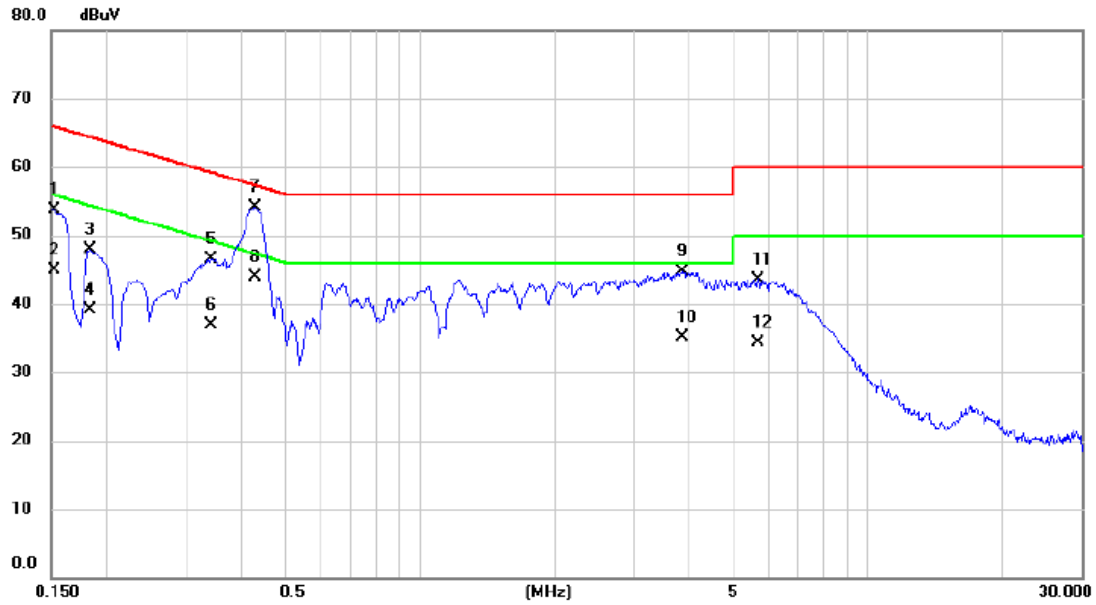
Test Mode	UNII-8_TX AX(HE160) Mode 6985 MHz	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1522	42.95	9.71	52.66	65.88	-13.22	QP	
2		0.1522	33.50	9.71	43.21	55.88	-12.67	AVG	
3		0.4244	43.18	9.74	52.92	57.36	-4.44	QP	
4	*	0.4244	34.20	9.74	43.94	47.36	-3.42	AVG	
5		0.6247	32.90	9.75	42.65	56.00	-13.35	QP	
6		0.6247	23.50	9.75	33.25	46.00	-12.75	AVG	
7		2.7757	32.63	9.91	42.54	56.00	-13.46	QP	
8		2.7757	23.60	9.91	33.51	46.00	-12.49	AVG	
9		3.9660	33.76	9.98	43.74	56.00	-12.26	QP	
10		3.9660	24.30	9.98	34.28	46.00	-11.72	AVG	
11		5.7952	32.68	10.06	42.74	60.00	-17.26	QP	
12		5.7952	23.50	10.06	33.56	50.00	-16.44	AVG	

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

Test Mode	UNII-8_TX AX(HE160) Mode 6985 MHz	Phase	Neutral

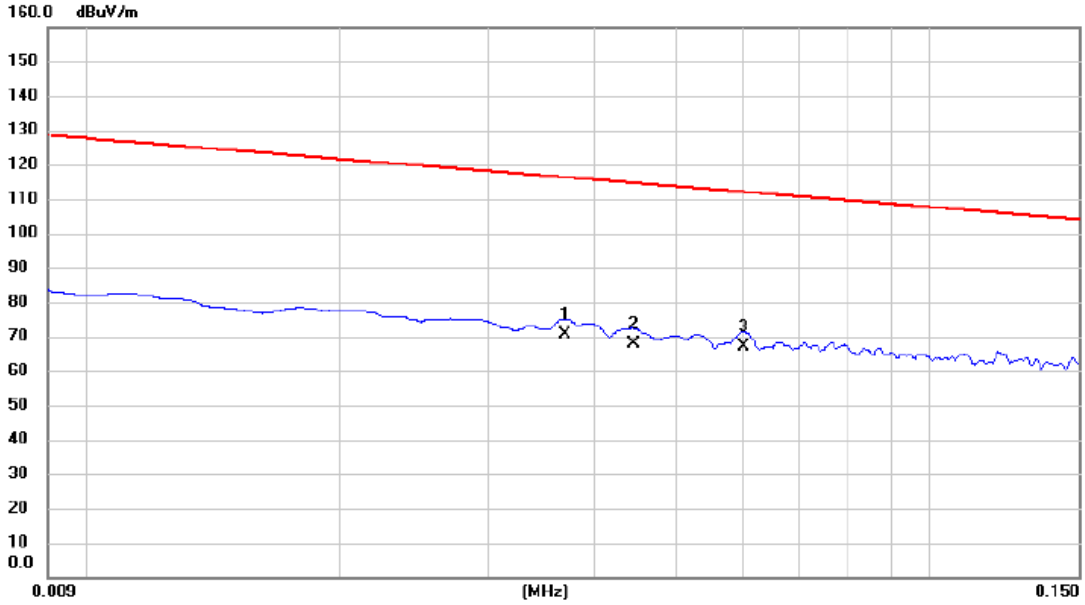


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1522	44.02	9.68	53.70	65.88	-12.18	QP	
2		0.1522	35.20	9.68	44.88	55.88	-11.00	AVG	
3		0.1836	38.16	9.69	47.85	64.32	-16.47	QP	
4		0.1836	29.40	9.69	39.09	54.32	-15.23	AVG	
5		0.3412	36.85	9.69	46.54	59.17	-12.63	QP	
6		0.3412	27.30	9.69	36.99	49.17	-12.18	AVG	
7	*	0.4290	44.34	9.70	54.04	57.27	-3.23	QP	
8		0.4290	34.30	9.70	44.00	47.27	-3.27	AVG	
9		3.8557	34.73	9.94	44.67	56.00	-11.33	QP	
10		3.8557	25.20	9.94	35.14	46.00	-10.86	AVG	
11		5.6647	33.56	10.04	43.60	60.00	-16.40	QP	
12		5.6647	24.30	10.04	34.34	50.00	-15.66	AVG	

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

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

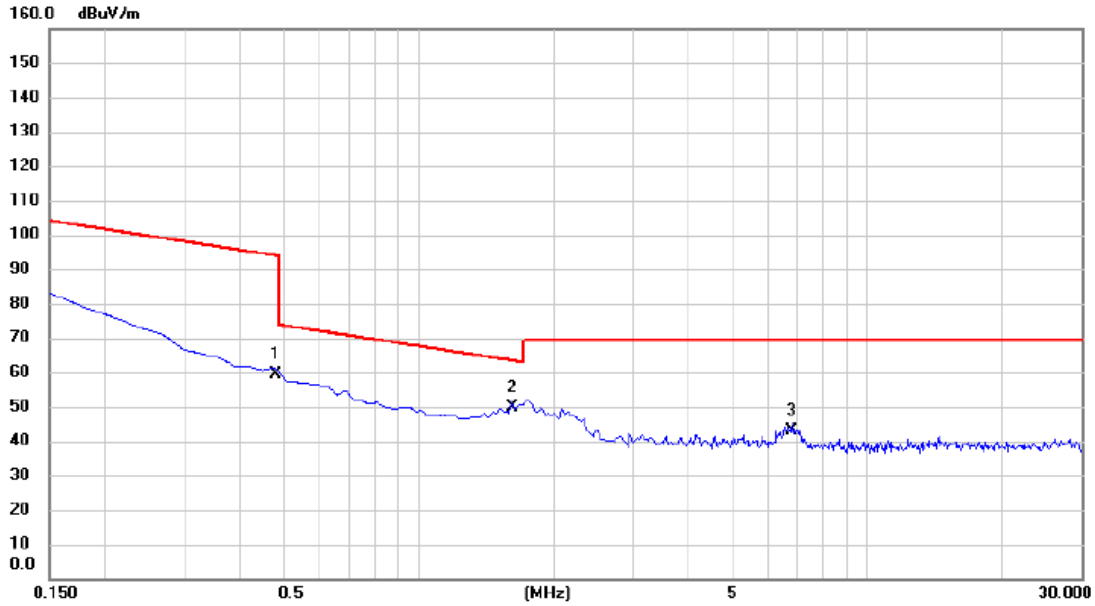
Test Mode	UNII-8_TX AX(HE160) Mode 6985 MHz	Polarization	Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0370	49.30	21.14	70.44	116.24	-45.80	AVG	
2		0.0445	46.58	21.17	67.75	114.64	-46.89	AVG	
3	*	0.0602	45.82	21.23	67.05	112.01	-44.96	AVG	

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

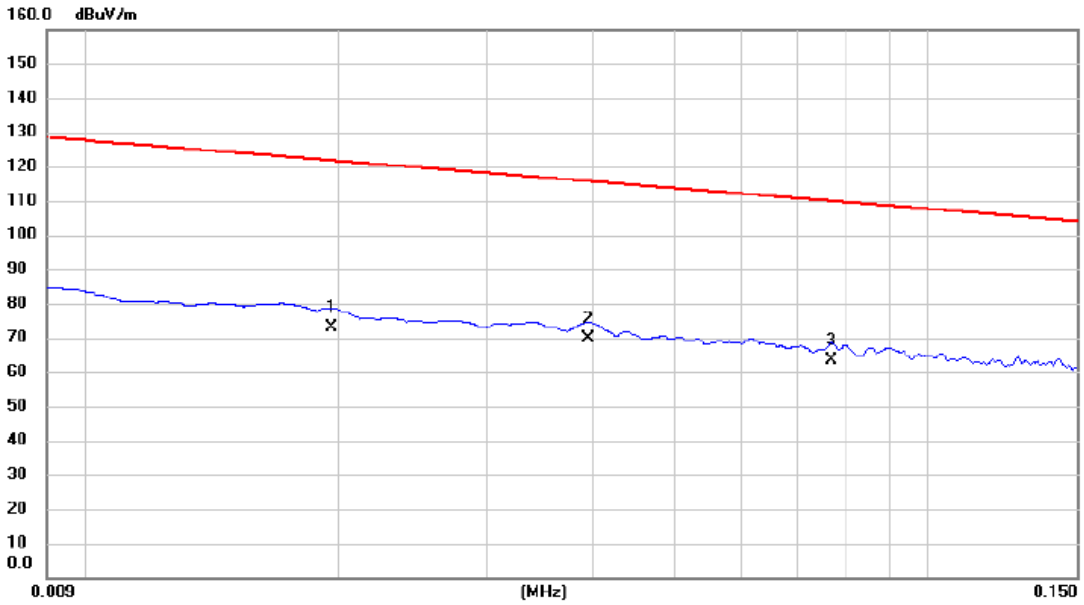
Test Mode	UNII-8_TX AX(HE160) Mode 6985 MHz	Polarization	Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4783	38.16	21.06	59.22	94.01	-34.79	AVG	
2	*	1.6126	28.49	21.14	49.63	63.45	-13.82	QP	
3		6.7767	22.01	21.19	43.20	69.54	-26.34	QP	

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

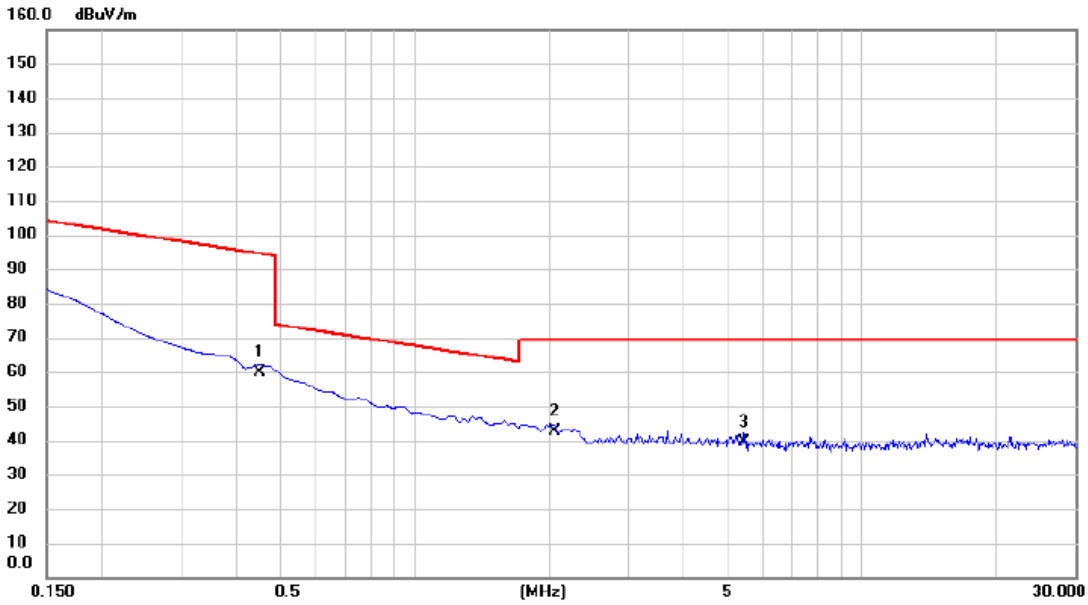
Test Mode	UNII-8_TX AX(HE160) Mode 6985 MHz	Polarization	Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0196	52.36	20.79	73.15	121.76	-48.61	AVG	
2	*	0.0395	48.59	21.15	69.74	115.67	-45.93	AVG	
3		0.0768	42.04	21.29	63.33	109.90	-46.57	AVG	

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

Test Mode	UNII-8_TX AX(HE160) Mode 6985 MHz	Polarization	Ant 90°

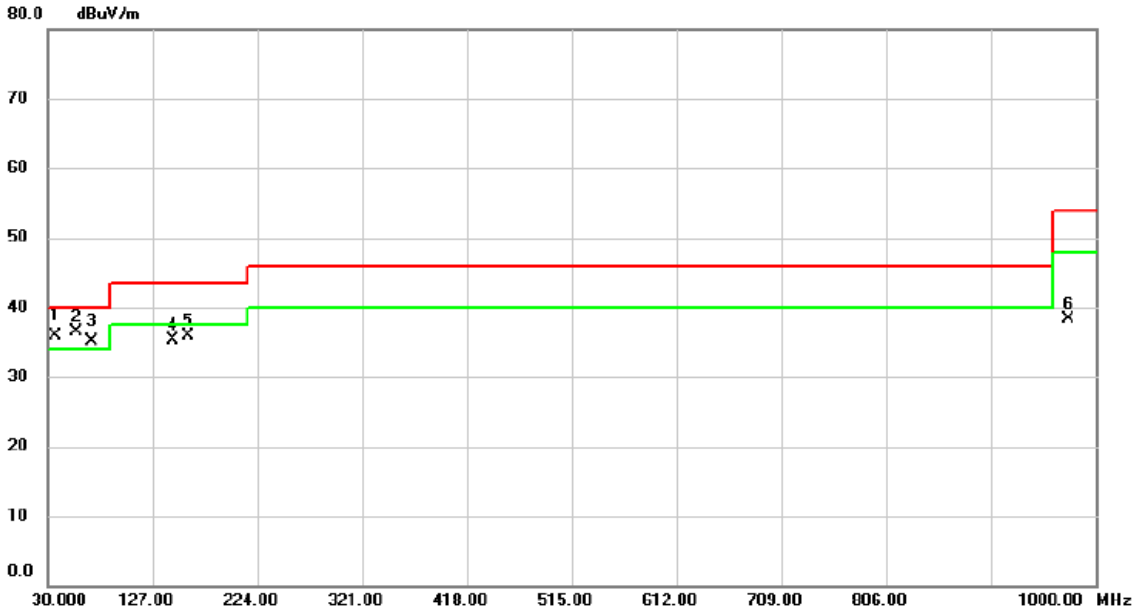


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4485	38.94	21.06	60.00	94.57	-34.57	AVG	
2	*	2.0604	21.46	21.11	42.57	69.54	-26.97	QP	
3		5.4633	18.42	21.17	39.59	69.54	-29.95	QP	

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

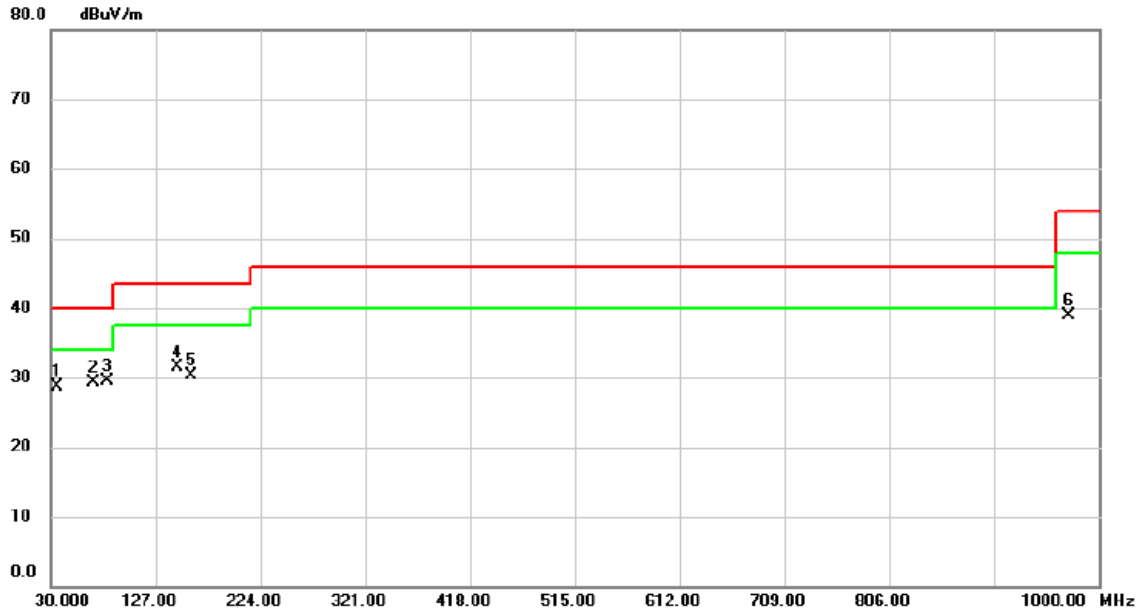
Test Mode	UNII-8_TX AX(HE160) Mode 6985 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	!	37.275	48.11	-12.22	35.89	40.00	-4.11	QP	
2	*	56.675	48.22	-11.66	36.56	40.00	-3.44	peak	
3	!	71.225	48.85	-13.73	35.12	40.00	-4.88	QP	
4		145.915	46.72	-11.41	35.31	43.50	-8.19	peak	
5		159.495	47.02	-11.06	35.96	43.50	-7.54	peak	
6		974.780	37.72	0.68	38.40	54.00	-15.60	peak	

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

Test Mode	UNII-8_TX AX(HE160) Mode 6985 MHz	Polarization	Horizontal

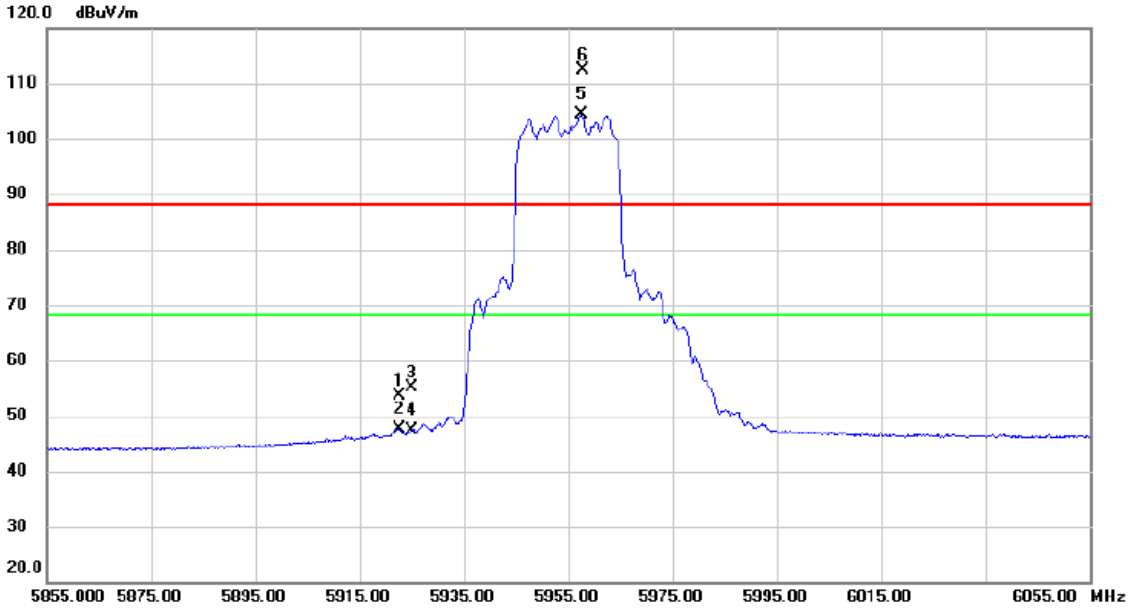


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		36.305	41.00	-12.33	28.67	40.00	-11.33	peak	
2		69.285	42.74	-13.37	29.37	40.00	-10.63	peak	
3	*	82.380	45.76	-16.21	29.55	40.00	-10.45	peak	
4		146.400	42.80	-11.37	31.43	43.50	-12.07	peak	
5		159.980	41.27	-11.06	30.21	43.50	-13.29	peak	
6		972.355	38.19	0.68	38.87	54.00	-15.13	peak	

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

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

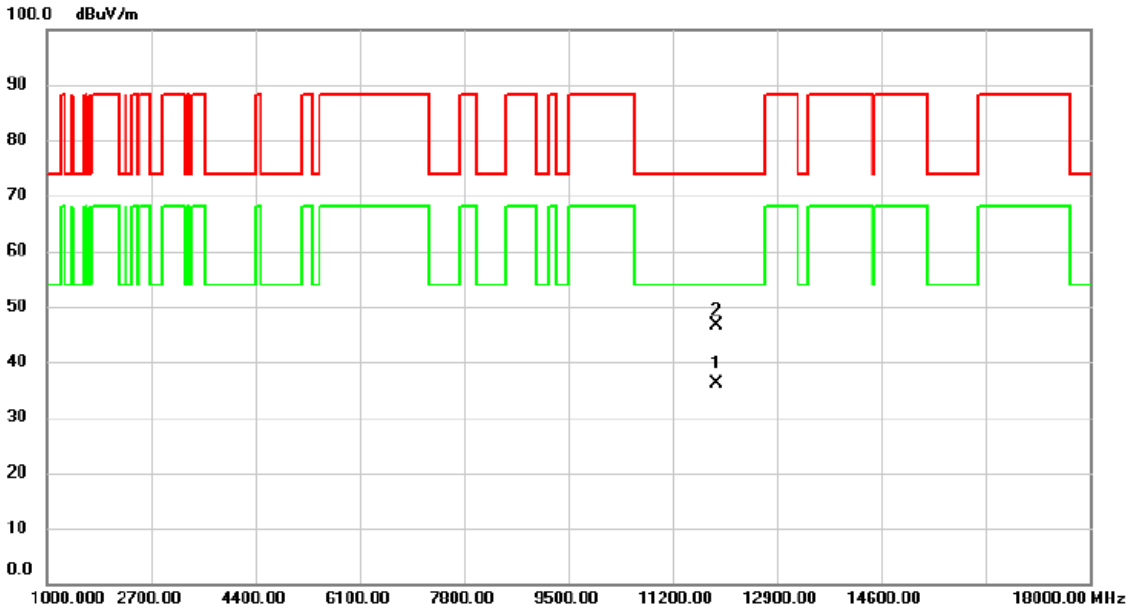
Test Mode	UNII-5_TX AX(HE20) Mode 5955 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5922.600	39.99	13.63	53.62	88.20	-34.58	peak	
2		5922.600	34.12	13.63	47.75	68.20	-20.45	AVG	
3		5925.000	41.53	13.64	55.17	88.20	-33.03	peak	
4		5925.000	33.68	13.64	47.32	68.20	-20.88	AVG	
5	*	5957.600	90.51	13.75	104.26	68.20	36.06	AVG	No Limit
6	X	5957.900	98.71	13.75	112.46	88.20	24.26	peak	No Limit

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

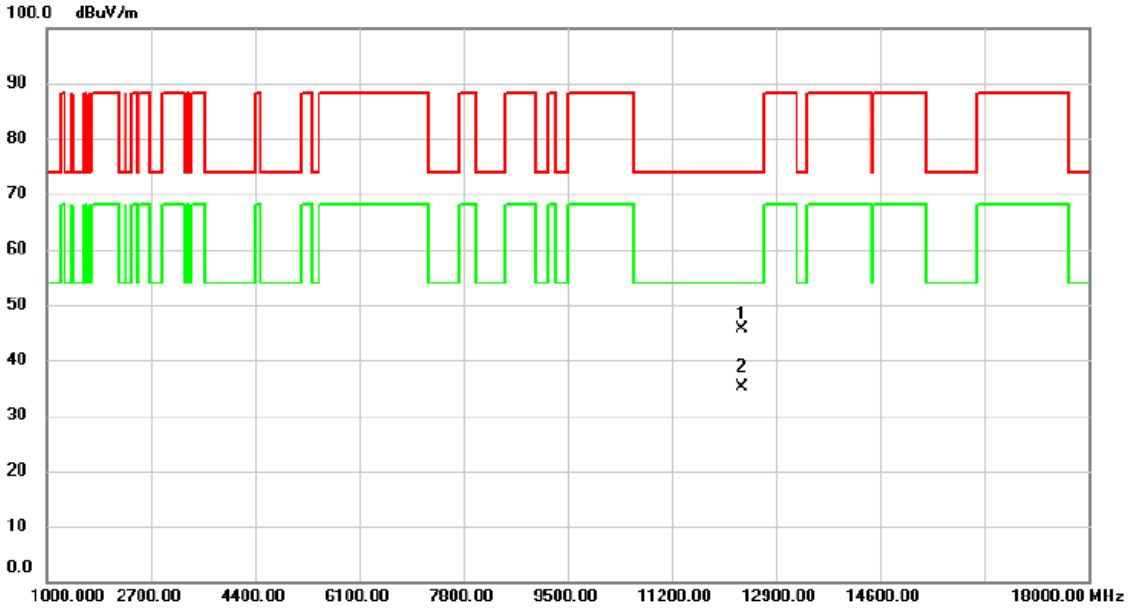
Test Mode	UNII-5_TX AX(HE20) Mode 5955 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11906.000	28.01	8.08	36.09	54.00	-17.91	AVG	
2		11913.800	38.46	8.07	46.53	74.00	-27.47	peak	

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

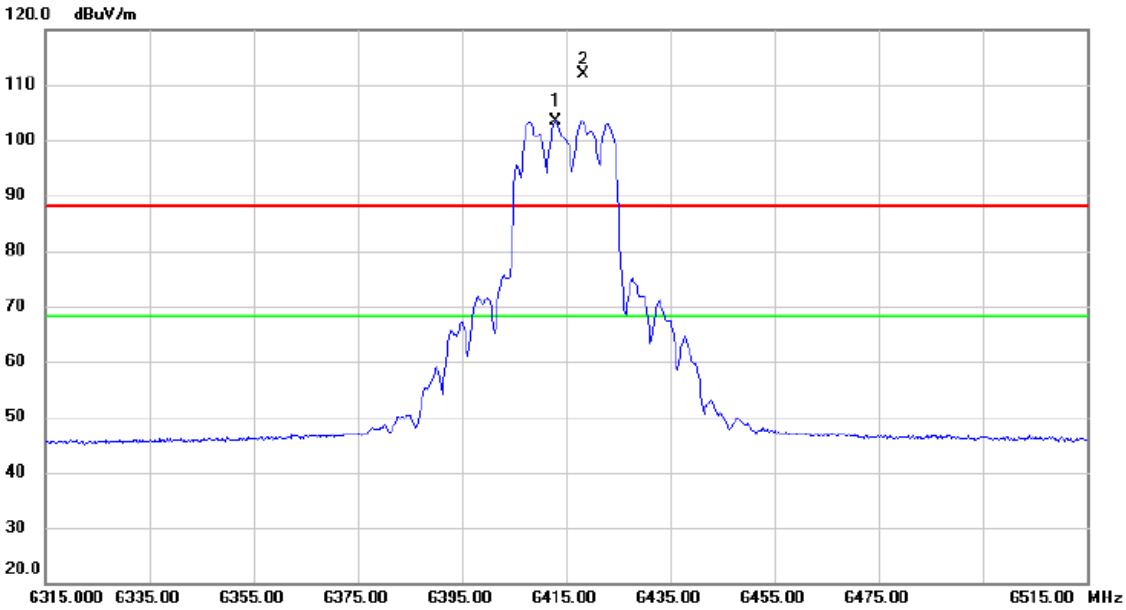
Test Mode	UNII-5_TX AX(HE20) Mode 6175 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		12349.730	37.88	7.74	45.62	74.00	-28.38	peak	
2	*	12354.665	27.37	7.74	35.11	54.00	-18.89	AVG	

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

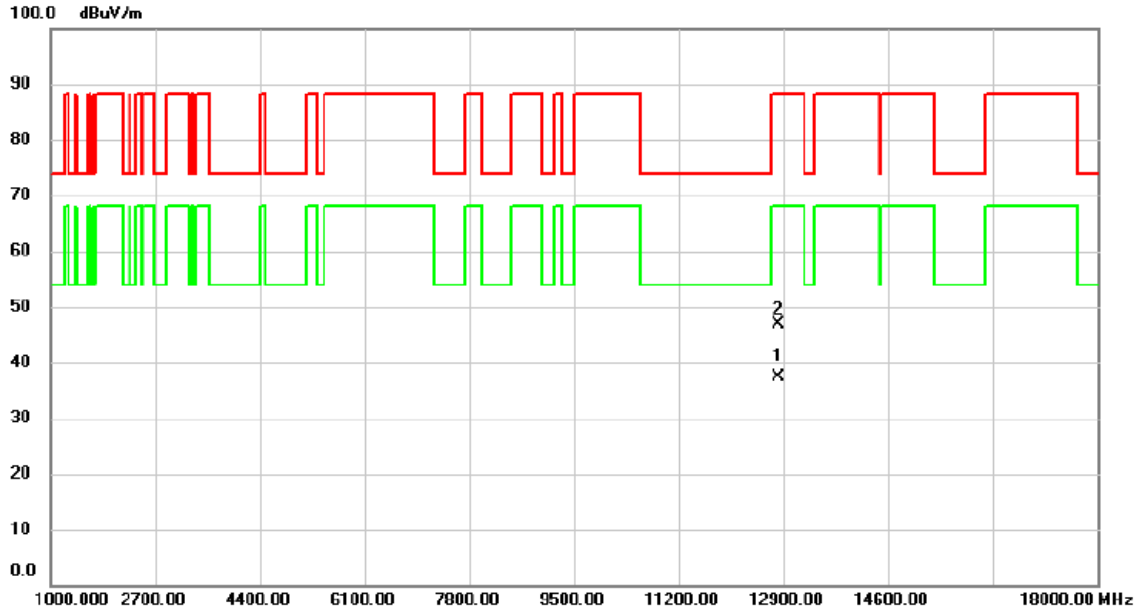
Test Mode	UNII-5_TX AX(HE20) Mode 6415 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	6413.000	88.88	14.57	103.45	68.20	35.25	AVG	No Limit
2	X	6418.400	97.28	14.57	111.85	88.20	23.65	peak	No Limit

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

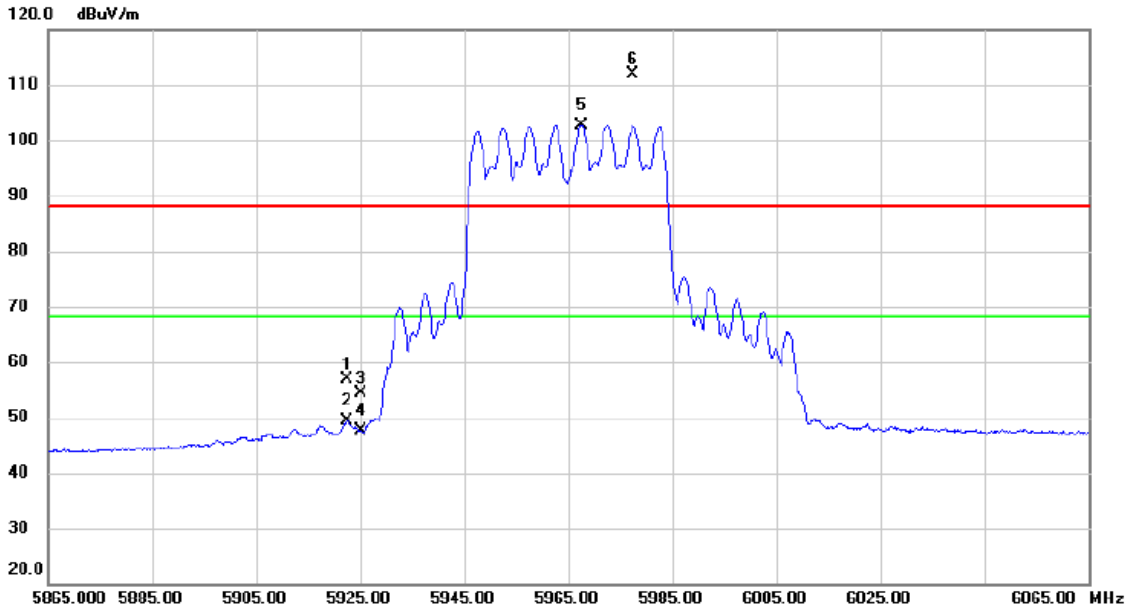
Test Mode	UNII-5_TX AX(HE20) Mode 6415 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12830.030	29.26	8.24	37.50	68.20	-30.70	AVG	
2		12831.750	38.55	8.24	46.79	88.20	-41.41	peak	

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

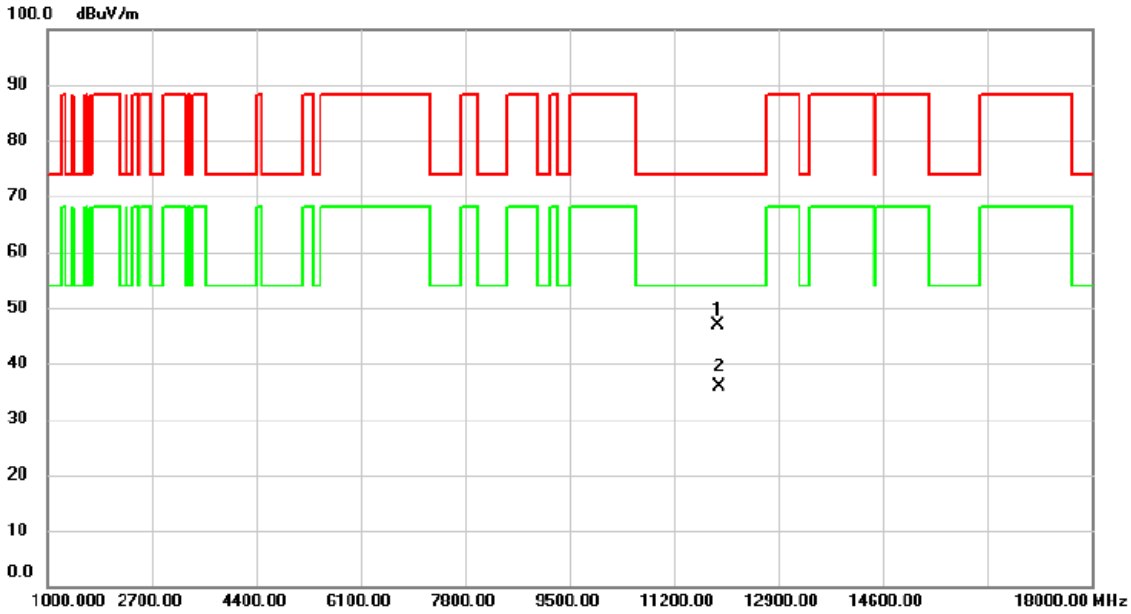
Test Mode	UNII-5_TX AX(HE40) Mode 5965 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5922.500	43.26	13.63	56.89	88.20	-31.31	peak	
2		5922.500	35.69	13.63	49.32	68.20	-18.88	AVG	
3		5925.000	40.63	13.64	54.27	88.20	-33.93	peak	
4		5925.000	34.00	13.64	47.64	68.20	-20.56	AVG	
5	*	5967.600	88.95	13.77	102.72	68.20	34.52	AVG	No Limit
6	X	5977.300	98.12	13.81	111.93	88.20	23.73	peak	No Limit

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

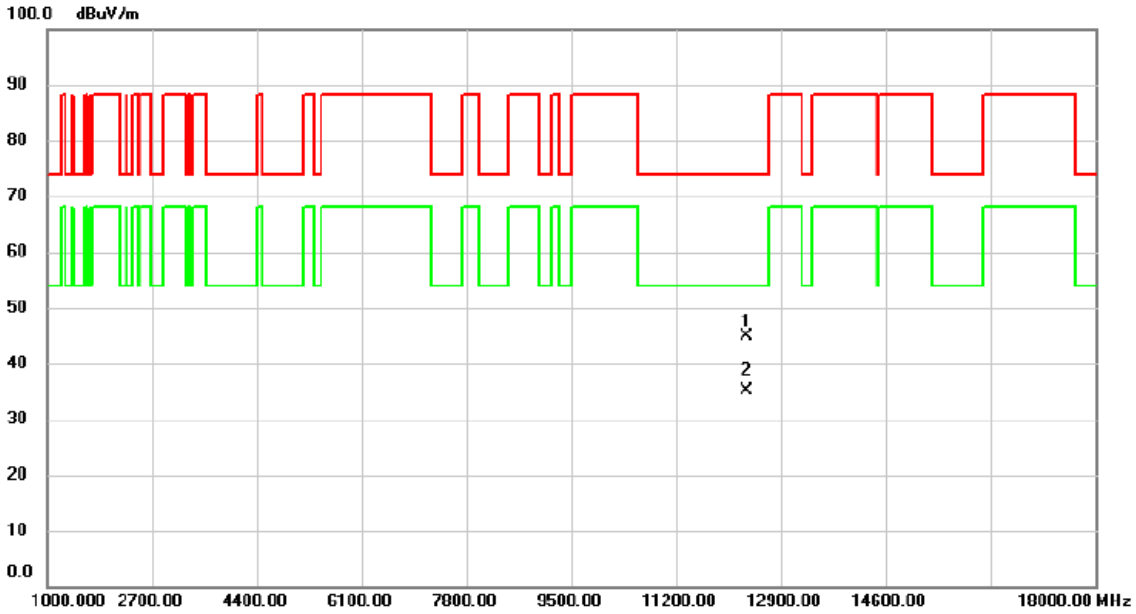
Test Mode	UNII-5_TX AX(HE40) Mode 5965 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11914.050	38.70	8.07	46.77	74.00	-27.23	peak	
2	*	11928.325	27.70	8.06	35.76	54.00	-18.24	AVG	

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

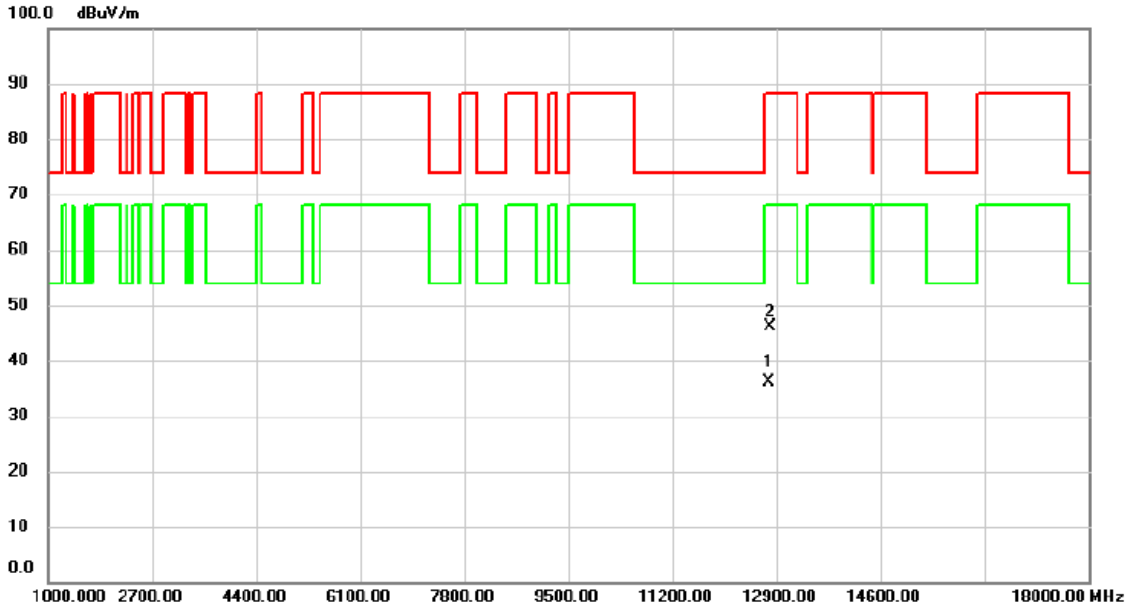
Test Mode	UNII-5_TX AX(HE40) Mode 6165 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		12336.375	37.25	7.75	45.00	74.00	-29.00	peak	
2	*	12354.325	27.37	7.74	35.11	54.00	-18.89	AVG	

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

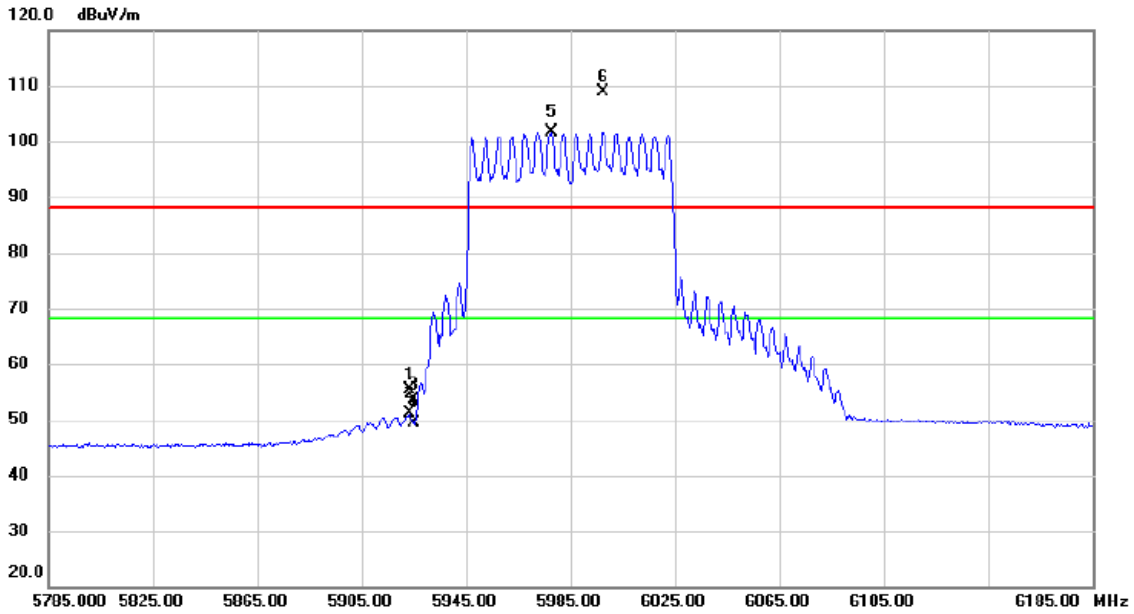
Test Mode	UNII-5_TX AX(HE40) Mode 6405 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12786.100	27.88	8.16	36.04	68.20	-32.16	AVG	
2		12794.500	37.91	8.17	46.08	88.20	-42.12	peak	

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

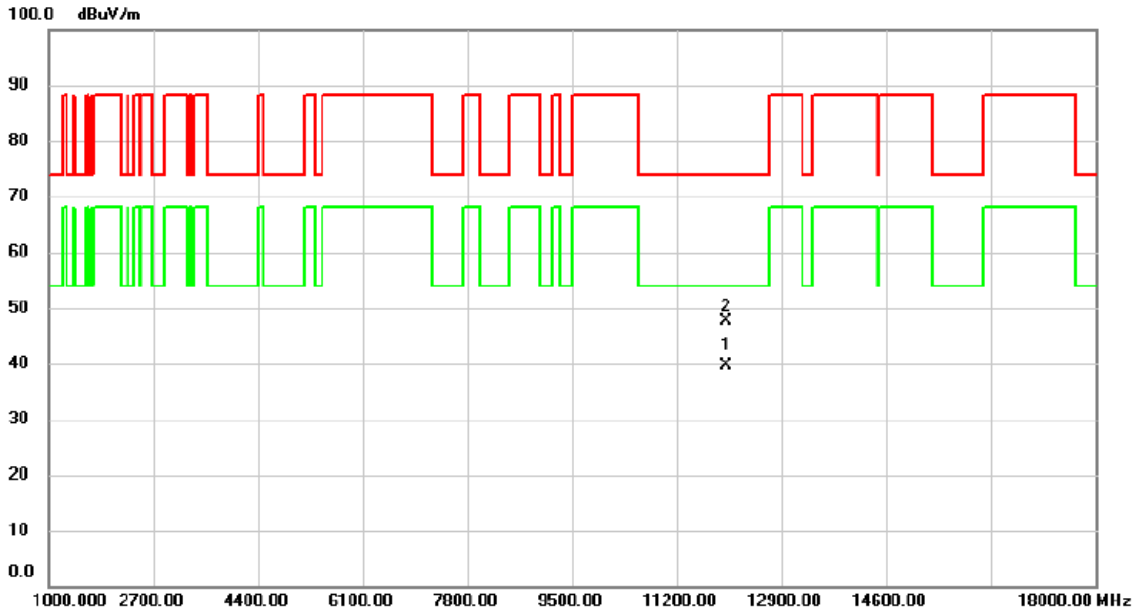
Test Mode	UNII-5_TX AX(HE80) Mode 5985 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5923.200	41.74	13.63	55.37	88.20	-32.83	peak	
2		5923.200	37.50	13.63	51.13	68.20	-17.07	AVG	
3		5925.000	39.87	13.64	53.51	88.20	-34.69	peak	
4		5925.000	35.82	13.64	49.46	68.20	-18.74	AVG	
5	*	5977.800	87.82	13.81	101.63	68.20	33.43	AVG	No Limit
6	X	5997.600	94.89	13.87	108.76	88.20	20.56	peak	No Limit

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

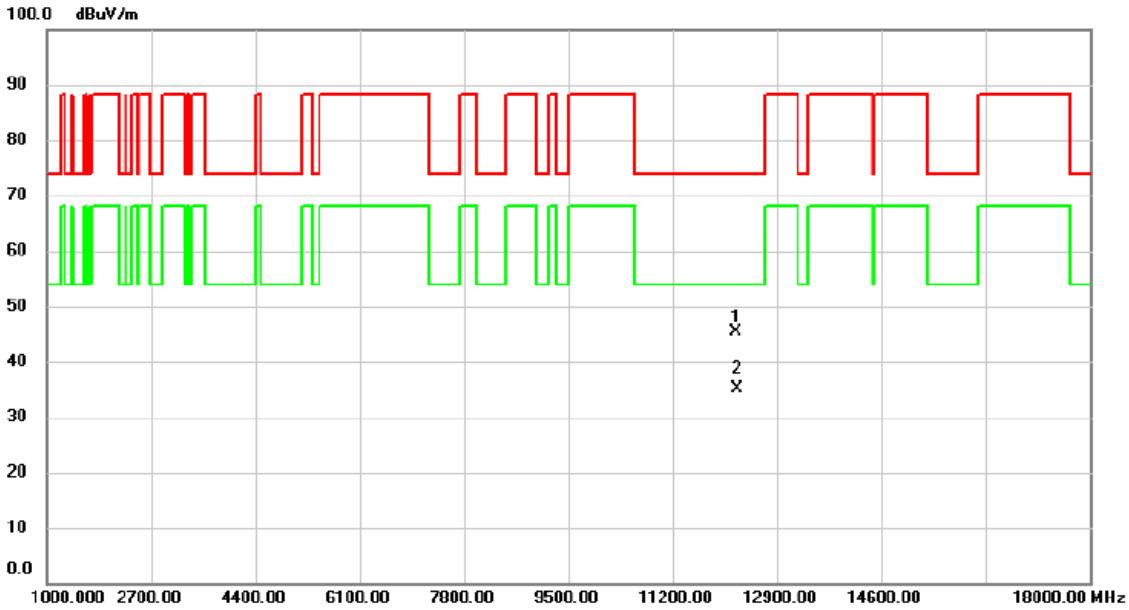
Test Mode	UNII-5_TX AX(HE80) Mode 5985 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12009.800	31.58	7.98	39.56	54.00	-14.44	AVG	
2		12010.000	39.58	7.98	47.56	74.00	-26.44	peak	

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

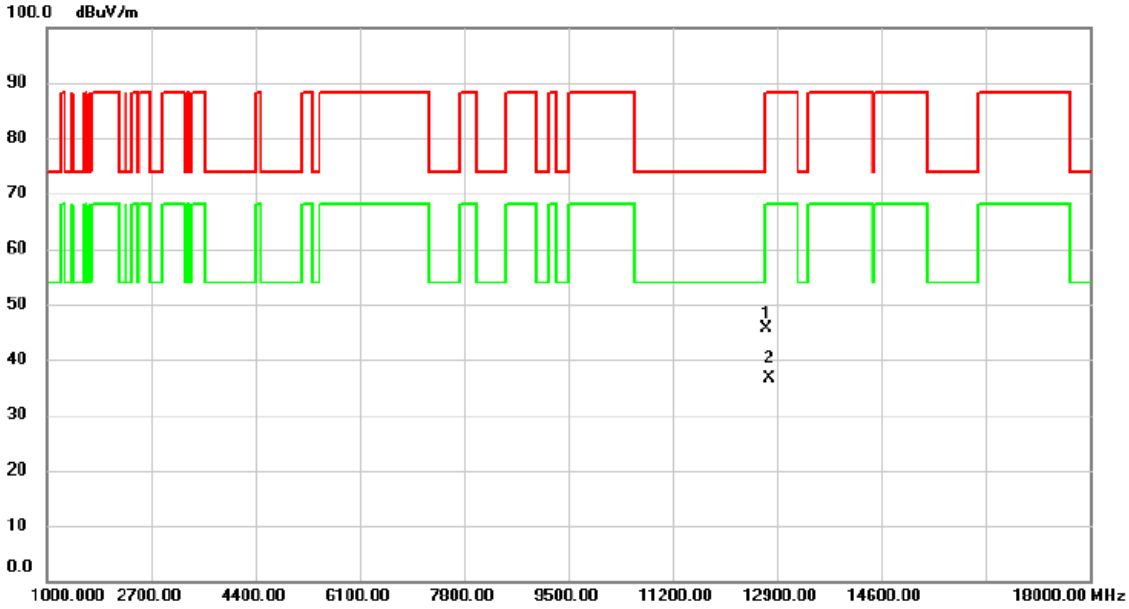
Test Mode	UNII-5_TX AX(HE80) Mode 6145 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		12242.250	37.54	7.82	45.36	74.00	-28.64	peak	
2	*	12261.450	27.43	7.81	35.24	54.00	-18.76	AVG	

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

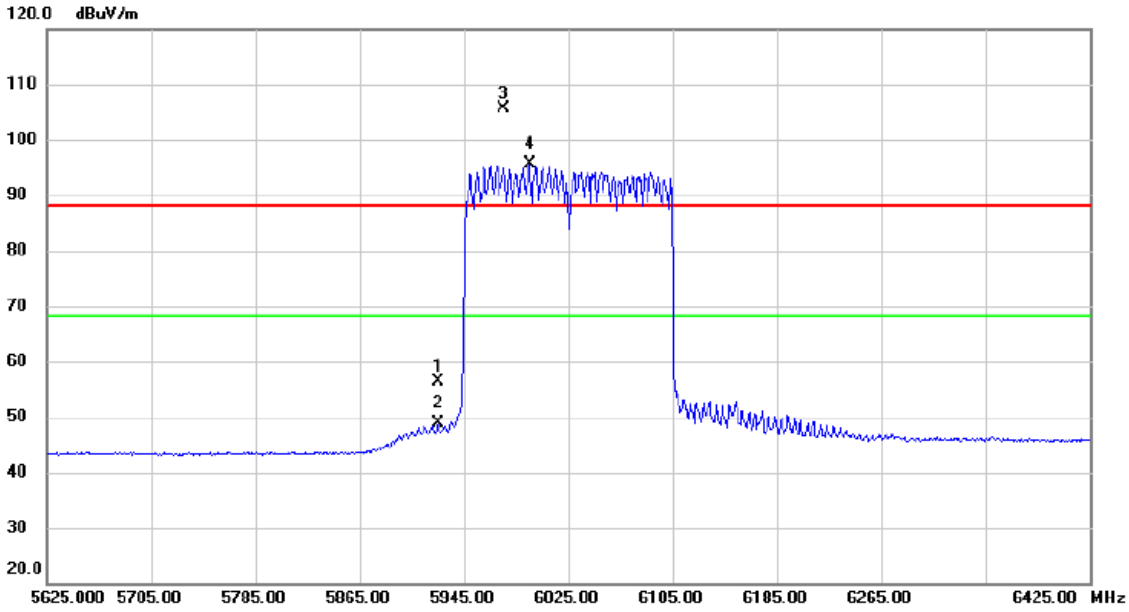
Test Mode	UNII-5_TX AX(HE80) Mode 6385 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		12731.200	37.65	8.06	45.71	88.20	-42.49	peak	
2	*	12769.750	28.45	8.13	36.58	68.20	-31.62	AVG	

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

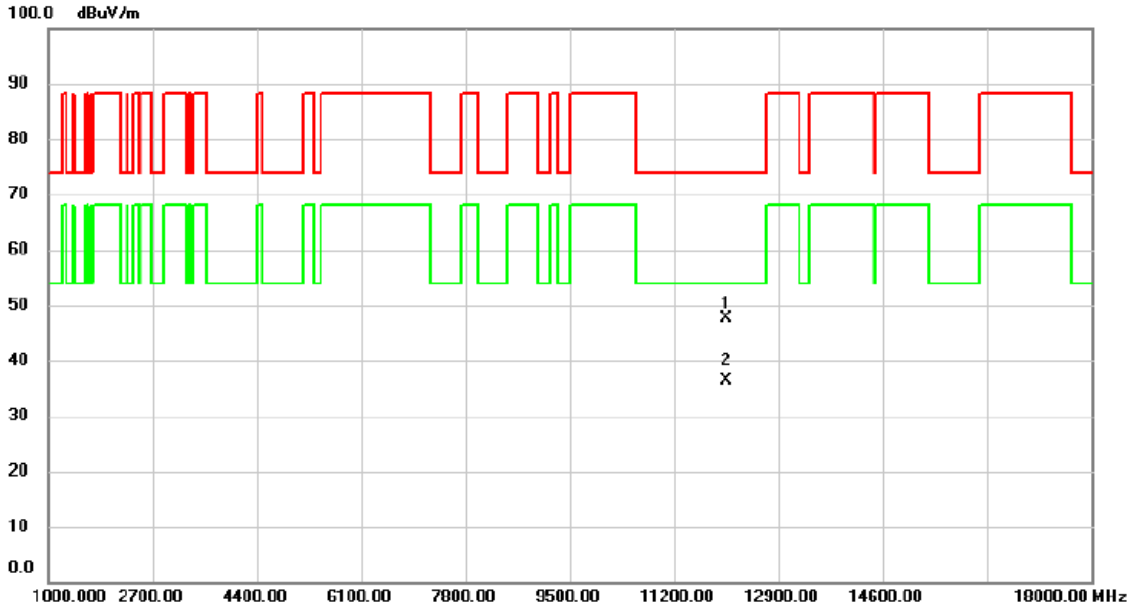
Test Mode	UNII-5_TX AX(HE160) Mode 6025 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5925.000	40.84	15.63	56.47	88.20	-31.73	peak	
2		5925.000	33.28	15.63	48.91	68.20	-19.29	AVG	
3	X	5975.400	89.71	15.80	105.51	88.20	17.31	peak	No Limit
4	*	5995.400	79.69	15.86	95.55	68.20	27.35	AVG	No Limit

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

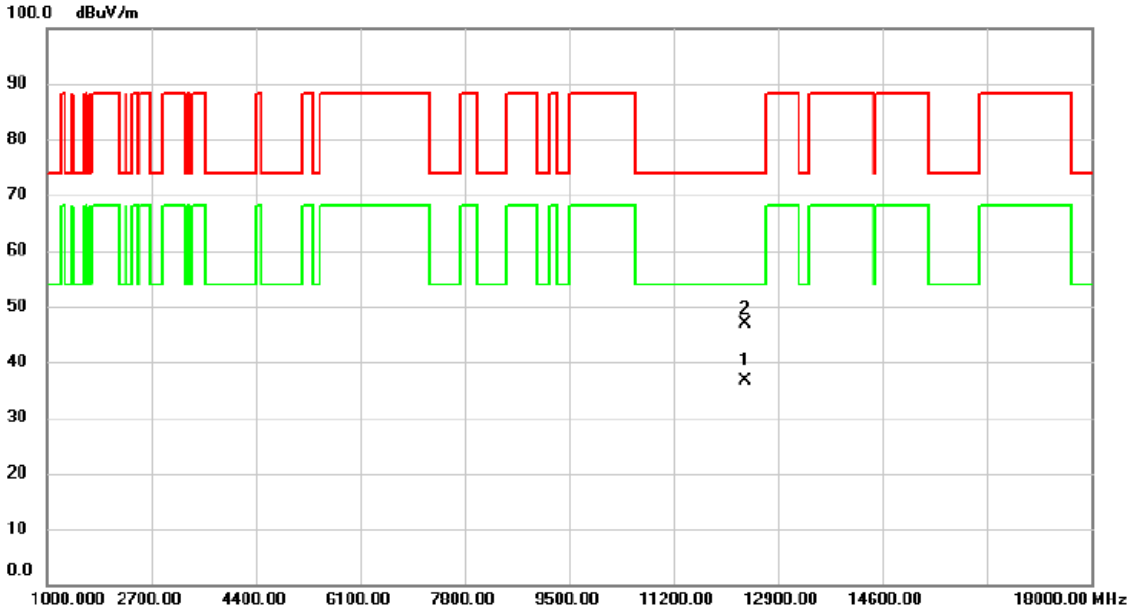
Test Mode	UNII-5_TX AX(HE160) Mode 6025 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		12042.970	38.16	9.59	47.75	74.00	-26.25	peak	
2	*	12058.140	26.74	9.60	36.34	54.00	-17.66	AVG	

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

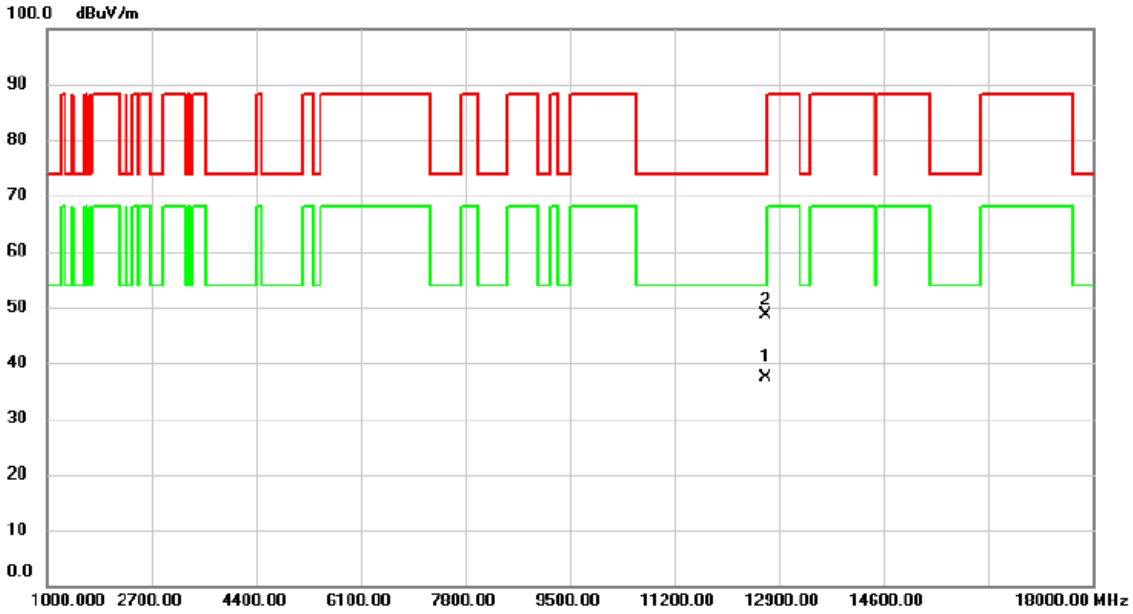
Test Mode	UNII-5_TX AX(HE160) Mode 6185 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12360.530	27.17	9.56	36.73	54.00	-17.27	AVG	
2		12369.590	37.30	9.55	46.85	74.00	-27.15	peak	

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

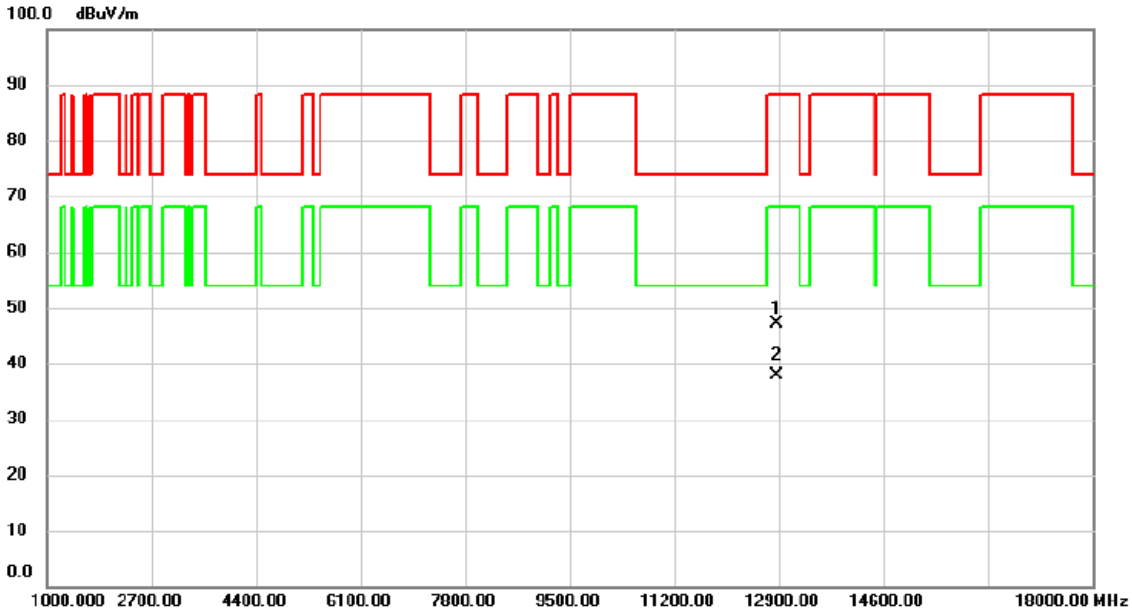
Test Mode	UNII-5_TX AX(HE160) Mode 6345 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12685.960	27.62	9.74	37.36	54.00	-16.64	AVG	
2		12689.850	38.76	9.75	48.51	74.00	-25.49	peak	

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

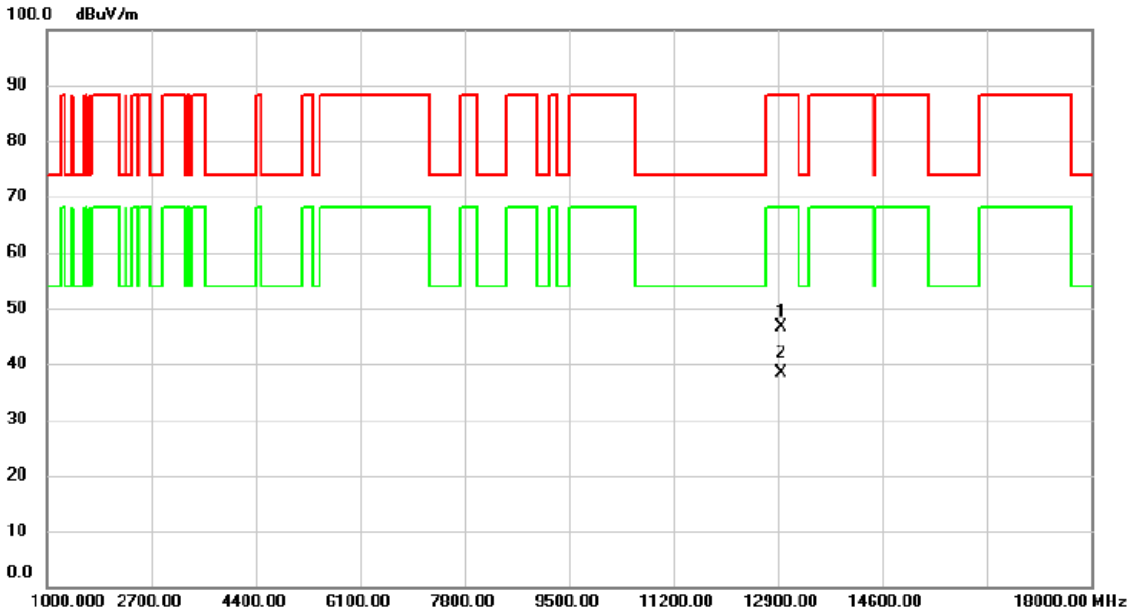
Test Mode	UNII-6_TX AX(HE20) Mode 6435 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		12866.190	38.94	8.30	47.24	88.20	-40.96	peak	
2	*	12870.050	29.65	8.31	37.96	68.20	-30.24	AVG	

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

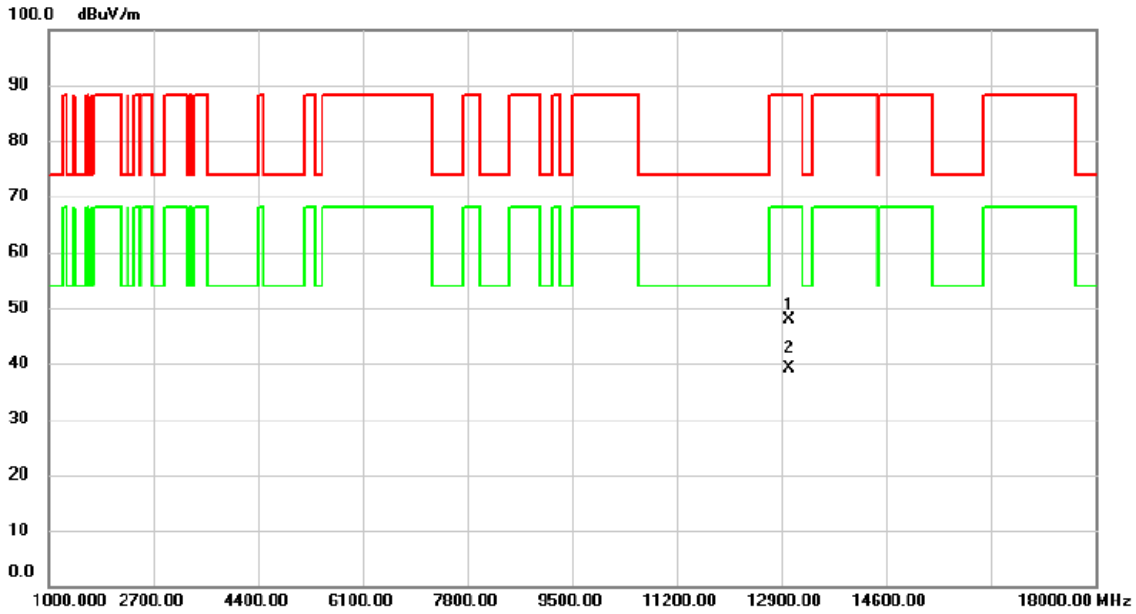
Test Mode	UNII-6_TX AX(HE20) Mode 6475 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		12948.995	38.23	8.46	46.69	88.20	-41.51	peak	
2	*	12949.995	29.91	8.47	38.38	68.20	-29.82	AVG	

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

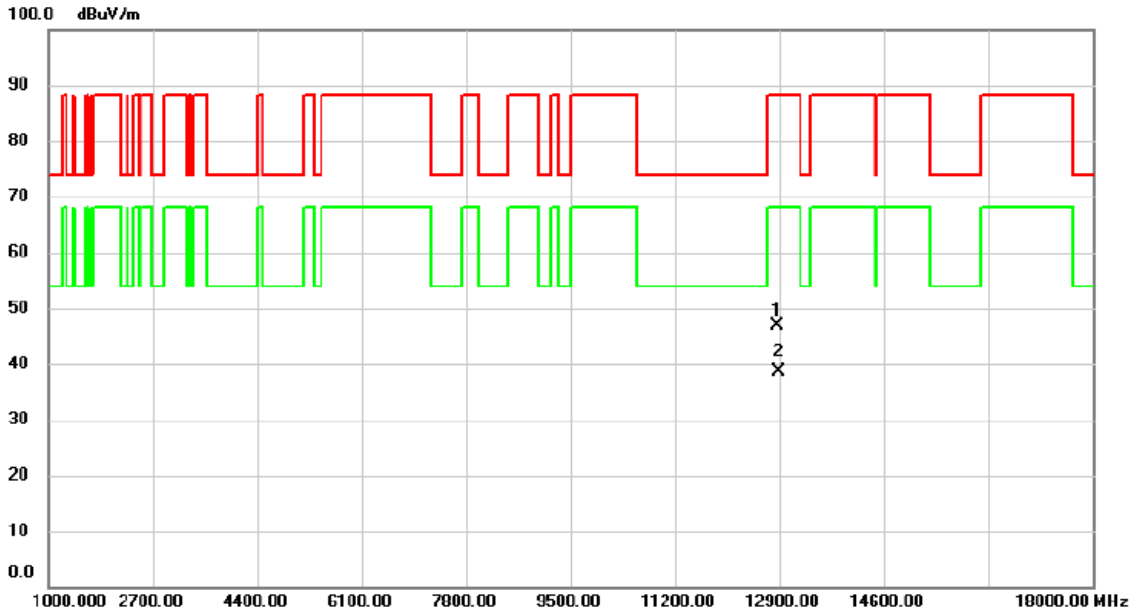
Test Mode	UNII-6_TX AX(HE20) Mode 6515 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		13027.165	39.24	8.57	47.81	88.20	-40.39	peak	
2	*	13029.965	30.49	8.59	39.08	68.20	-29.12	AVG	

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

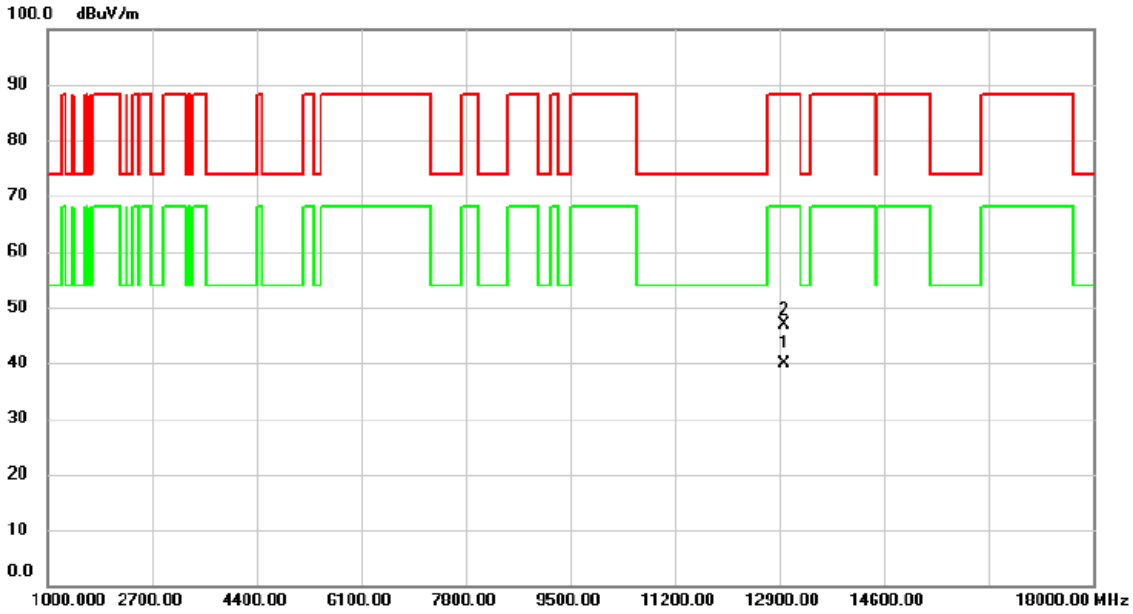
Test Mode	UNII-6_TX AX(HE40) Mode 6445 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		12867.750	38.58	8.30	46.88	88.20	-41.32	peak	
2	*	12889.975	30.16	8.35	38.51	68.20	-29.69	AVG	

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

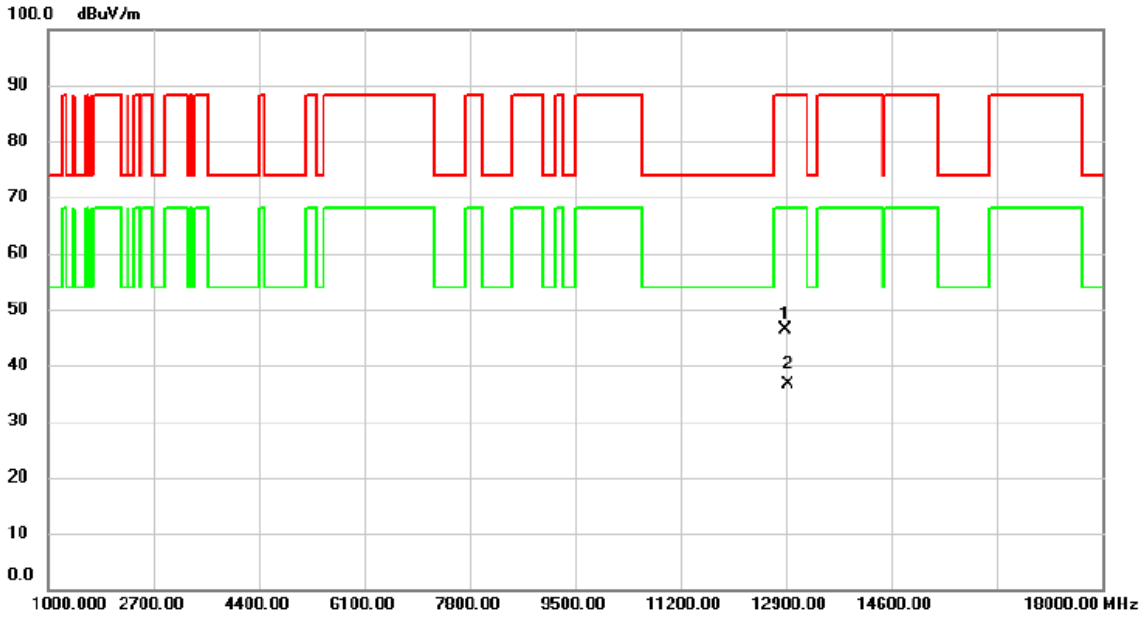
Test Mode	UNII-6_TX AX(HE40) Mode 6485 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12970.025	31.38	8.50	39.88	68.20	-28.32	AVG	
2		12970.100	38.33	8.50	46.83	88.20	-41.37	peak	

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

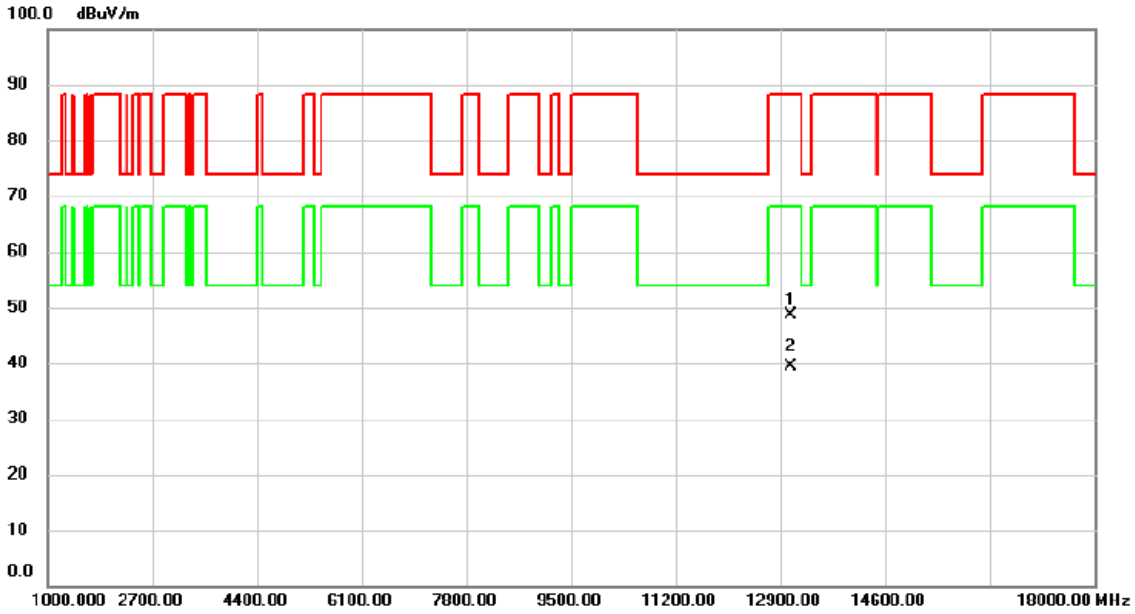
Test Mode	UNII-6_TX AX(HE80) Mode 6465 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		12880.150	38.11	8.34	46.45	88.20	-41.75	peak	
2	*	12930.000	28.13	8.42	36.55	68.20	-31.65	AVG	

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

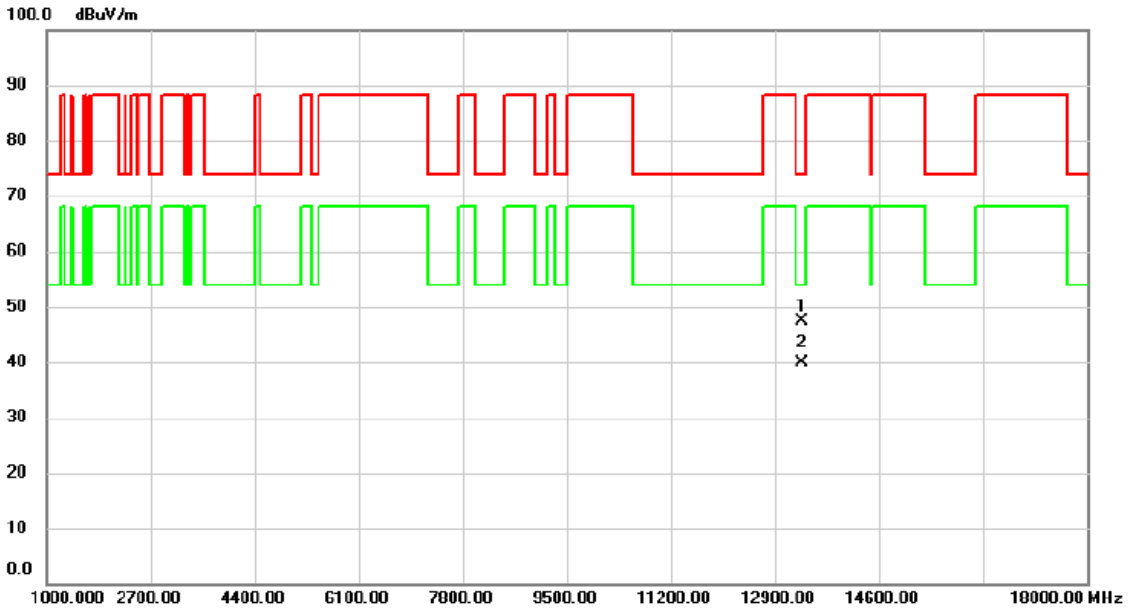
Test Mode	UNII-7_TX AX(HE20) Mode 6535 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		13069.625	39.93	8.61	48.54	88.20	-39.66	peak	
2	*	13069.995	30.80	8.61	39.41	68.20	-28.79	AVG	

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

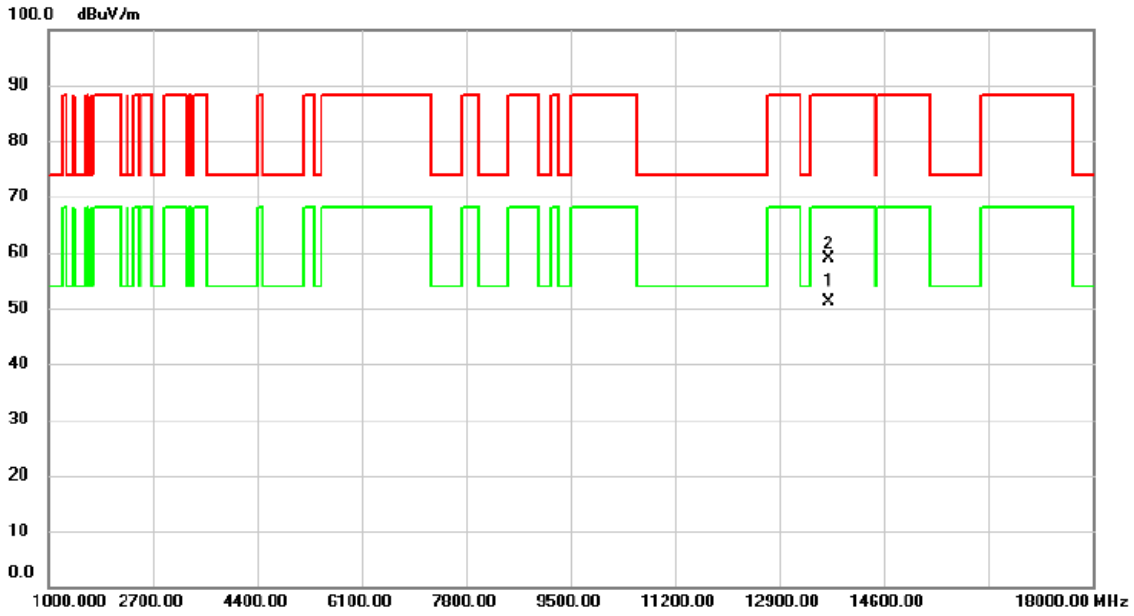
Test Mode	UNII-7_TX AX(HE20) Mode 6695 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		13350.055	38.48	8.84	47.32	74.00	-26.68	peak	
2	*	13350.065	31.11	8.84	39.95	54.00	-14.05	AVG	

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

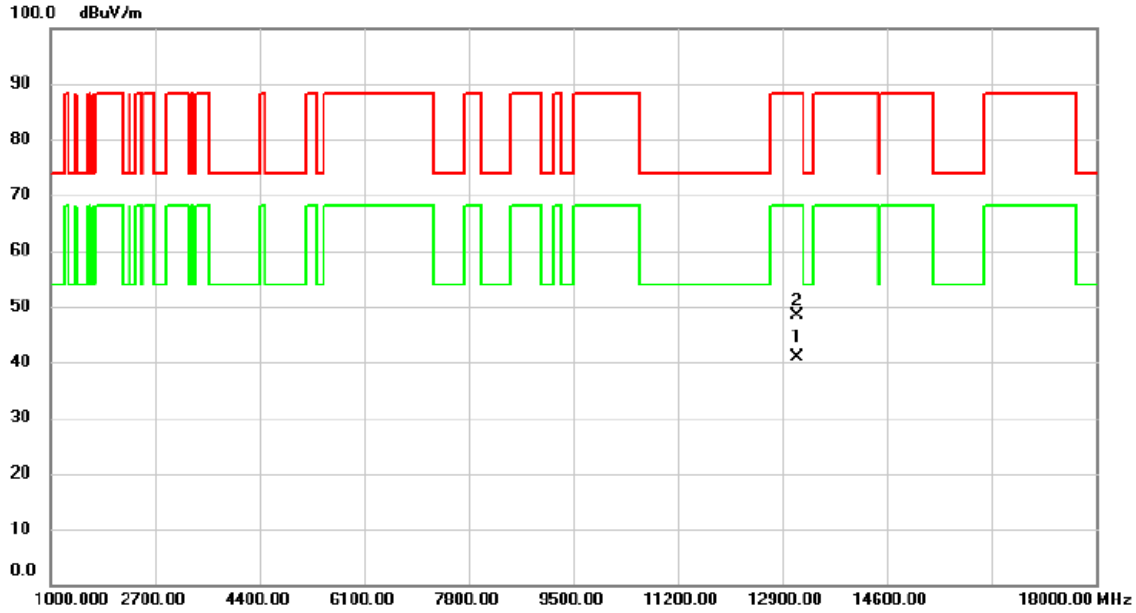
Test Mode	UNII-7_TX AX(HE20) Mode 6855 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	13709.950	41.76	9.48	51.24	68.20	-16.96	AVG	
2		13711.850	49.32	9.49	58.81	88.20	-29.39	peak	

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

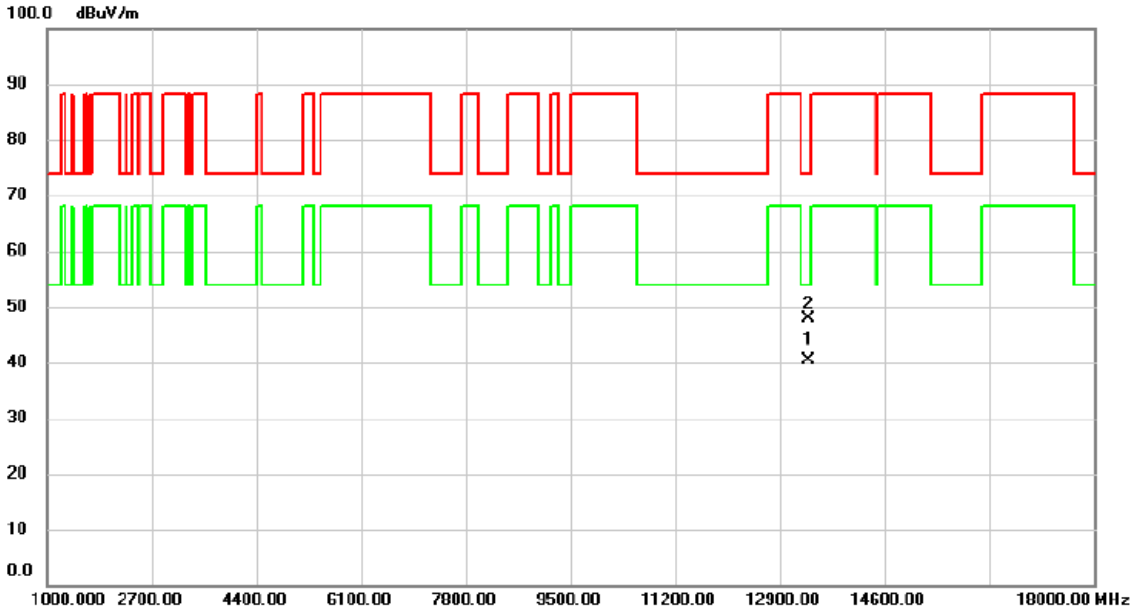
Test Mode	UNII-7_TX AX(HE40) Mode 6565 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	13129.950	32.28	8.66	40.94	68.20	-27.26	AVG	
2		13141.575	39.61	8.67	48.28	88.20	-39.92	peak	

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

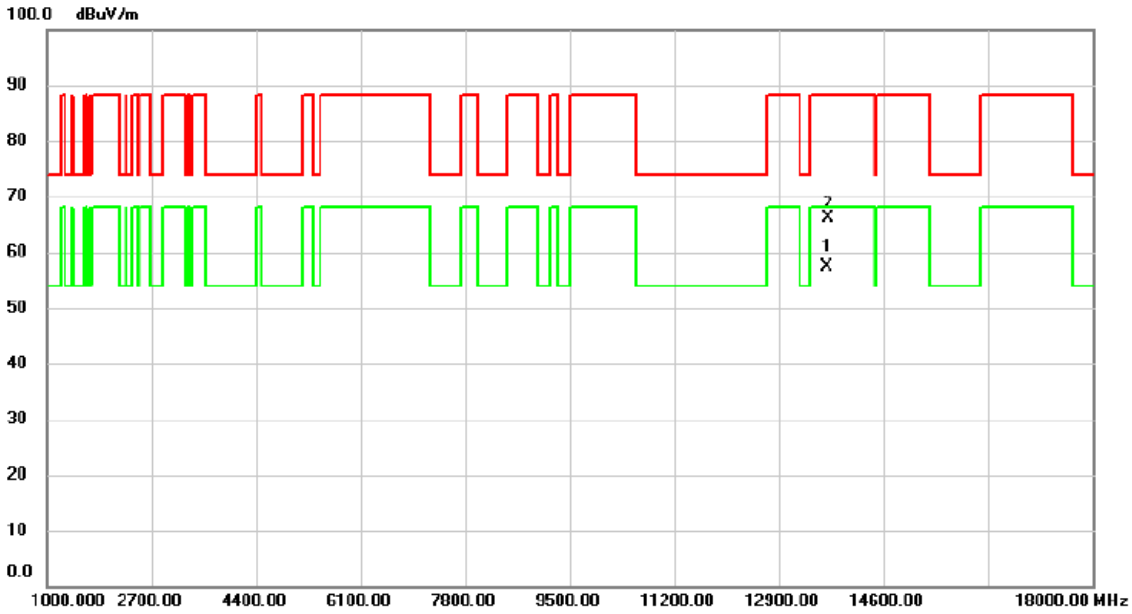
Test Mode	UNII-7_TX AX(HE40) Mode 6685 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	13370.000	31.61	8.87	40.48	54.00	-13.52	AVG	
2		13370.075	38.96	8.87	47.83	74.00	-26.17	peak	

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

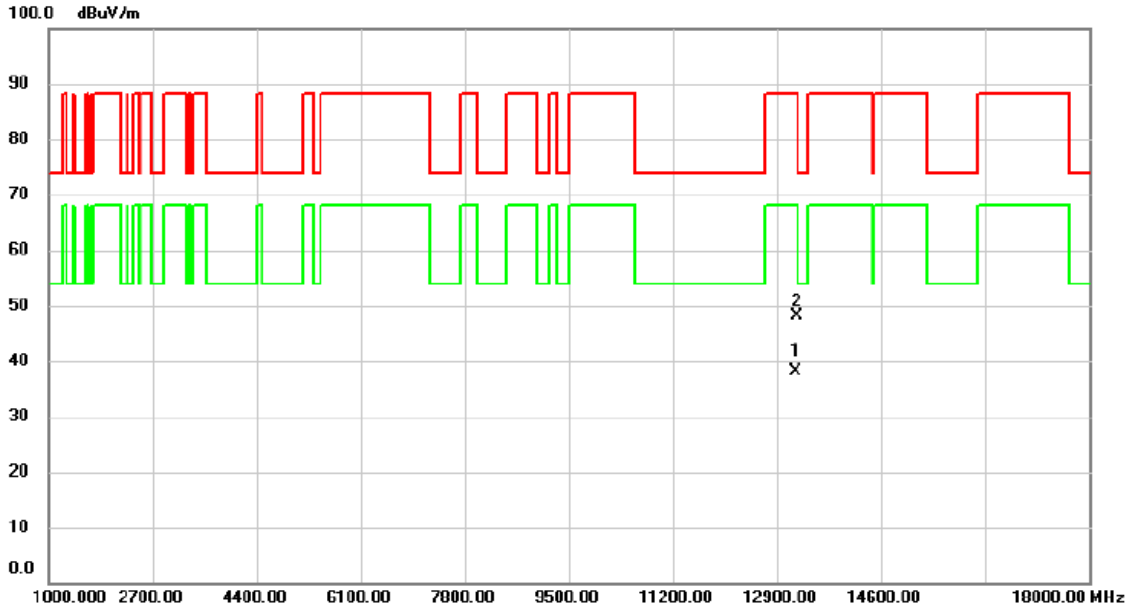
Test Mode	UNII-7_TX AX(HE40) Mode 6845 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	13687.450	47.96	9.43	57.39	68.20	-10.81	AVG	
2		13701.000	56.55	9.46	66.01	88.20	-22.19	peak	

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

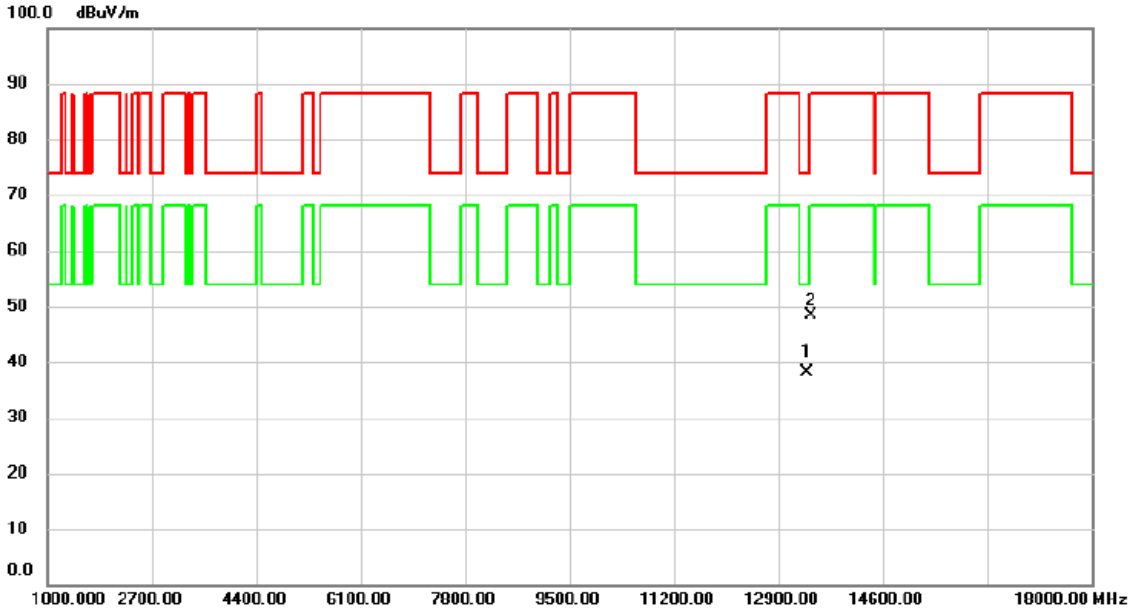
Test Mode	UNII-7_TX AX(HE80) Mode 6625 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	13200.60	27.85	10.32	38.17	68.20	-30.03	AVG	
2		13218.85	37.72	10.35	48.07	88.20	-40.13	peak	

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

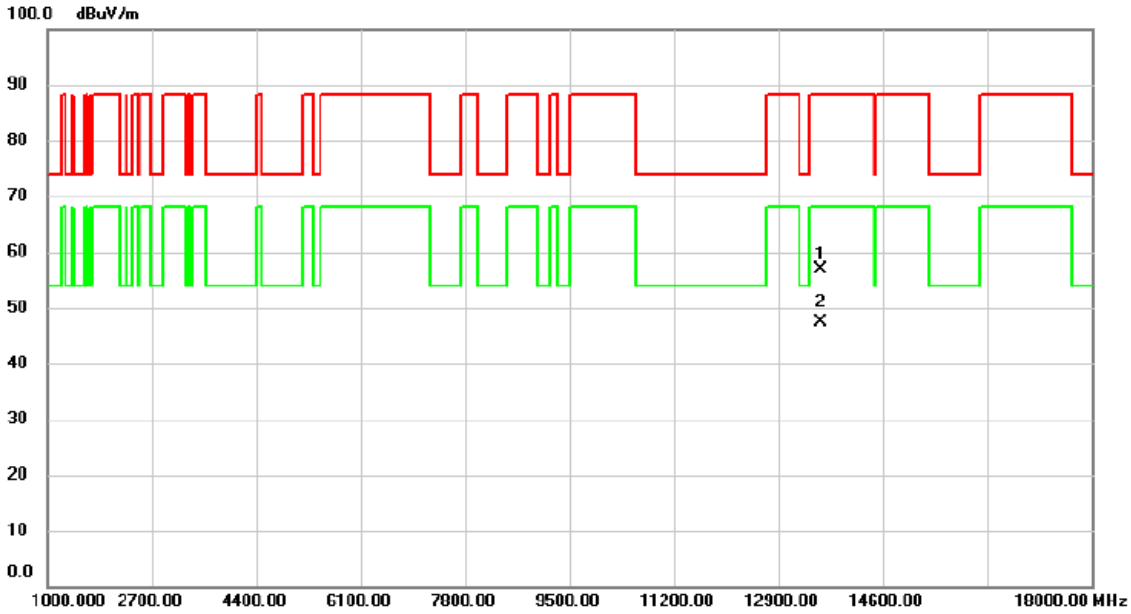
Test Mode	UNII-7_TX AX(HE80) Mode 6705 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	13368.35	27.59	10.54	38.13	54.00	-15.87	AVG	
2		13434.30	37.87	10.60	48.47	88.20	-39.73	peak	

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

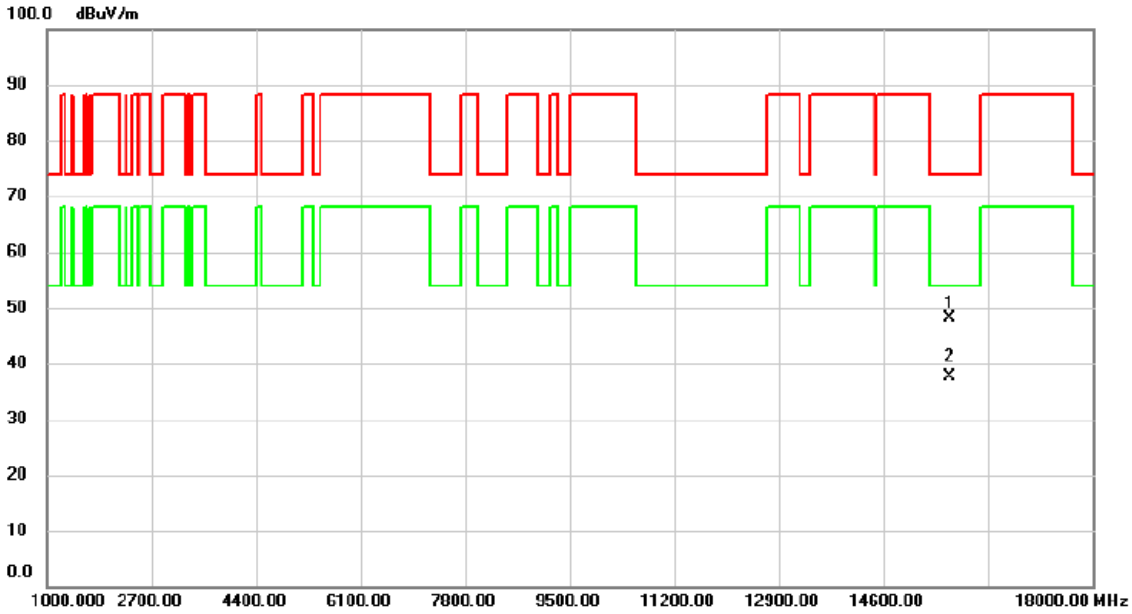
Test Mode	UNII-7_TX AX(HE80) Mode 6785 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		13583.00	46.01	10.86	56.87	88.20	-31.33	peak	
2	*	13601.00	36.58	10.90	47.48	68.20	-20.72	AVG	

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

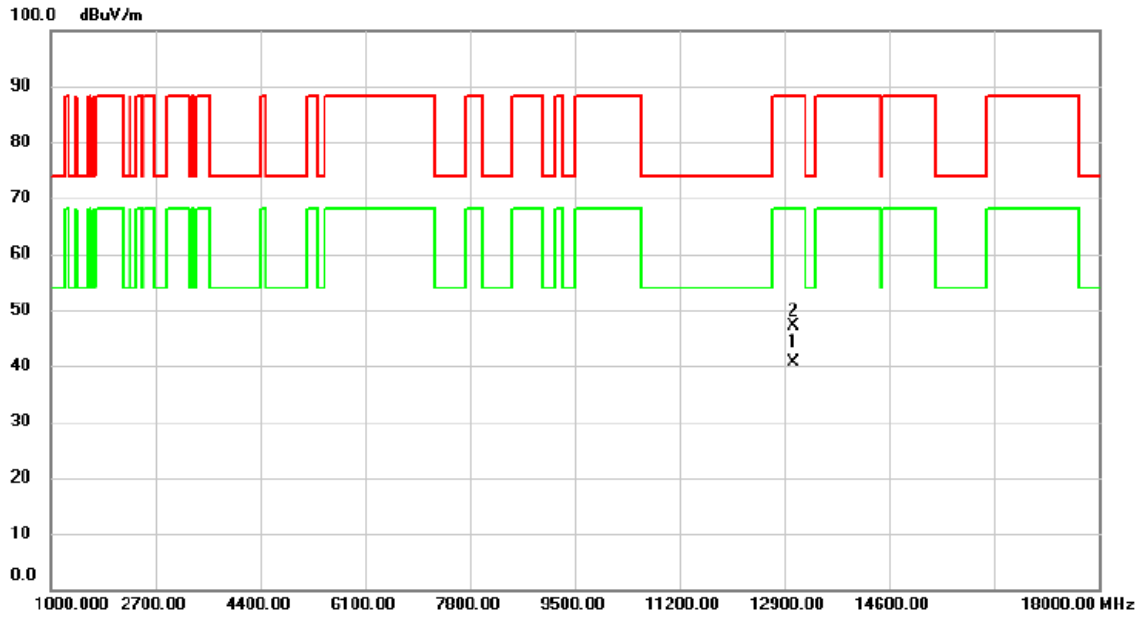
Test Mode	UNII-7_TX AX(HE160) Mode 6665 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		15672.220	39.15	9.09	48.24	74.00	-25.76	peak	
2	*	15674.210	28.57	9.09	37.66	54.00	-16.34	AVG	

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

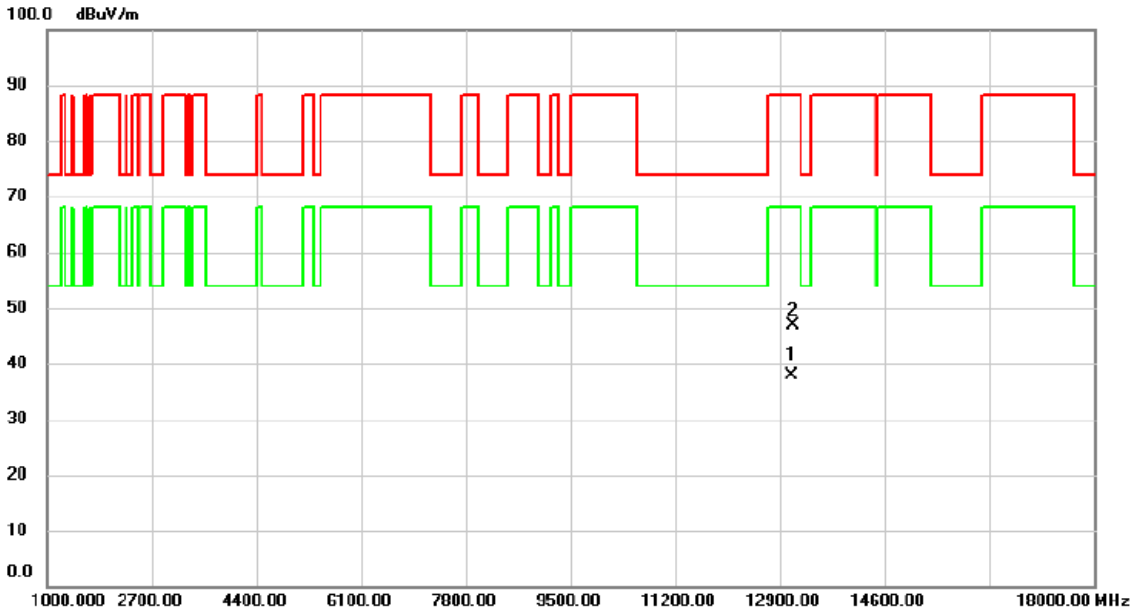
Test Mode	UNII-6+UNII-7_TX AX(HE40) Mode 6525 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	13049.950	31.95	8.59	40.54	68.20	-27.66	AVG	
2		13049.975	38.55	8.59	47.14	88.20	-41.06	peak	

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

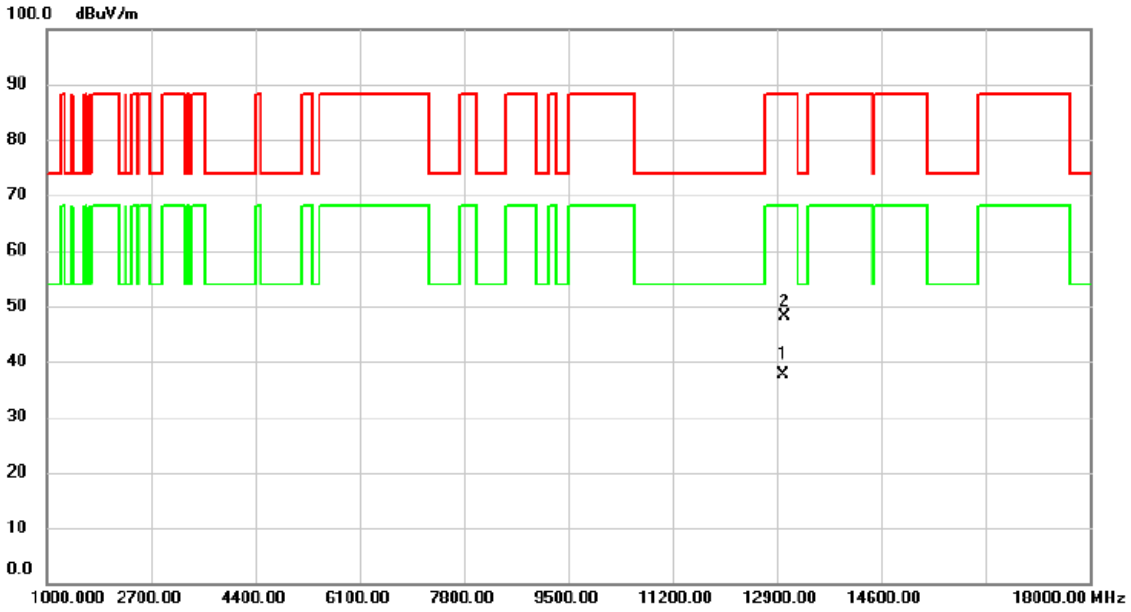
Test Mode	UNII-6+UNII-7_TX AX(HE80) Mode 6545 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	13089.850	29.23	8.64	37.87	68.20	-30.33	AVG	
2		13110.500	38.19	8.64	46.83	88.20	-41.37	peak	

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

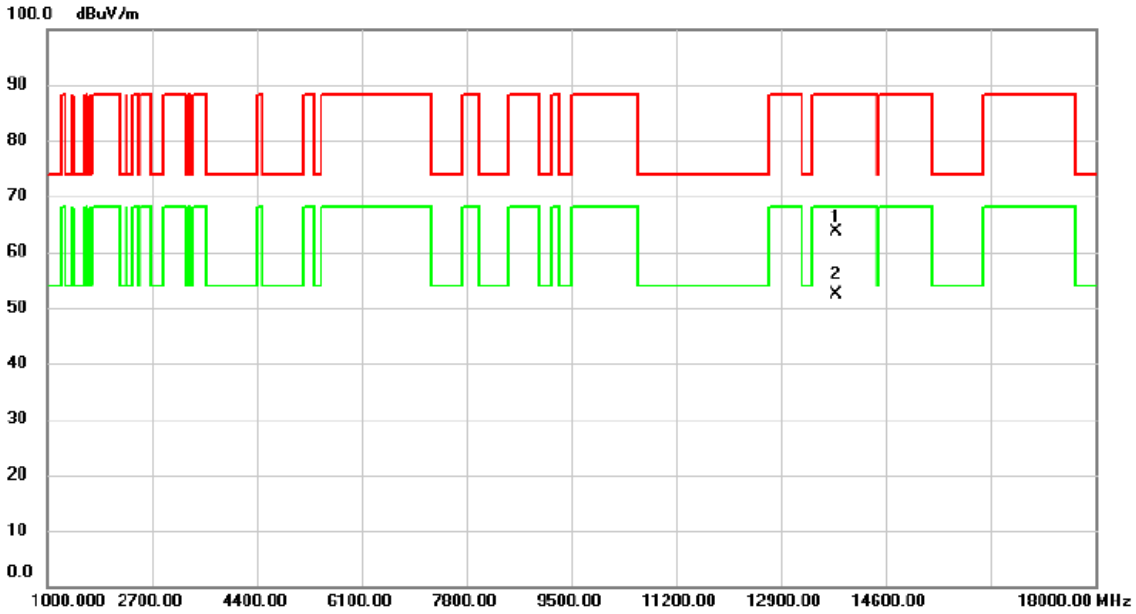
Test Mode	UNII-6+UNII-7_TX AX(HE160) Mode 6505 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	13004.060	27.53	10.09	37.62	68.20	-30.58	AVG	
2		13017.250	38.09	10.10	48.19	88.20	-40.01	peak	

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

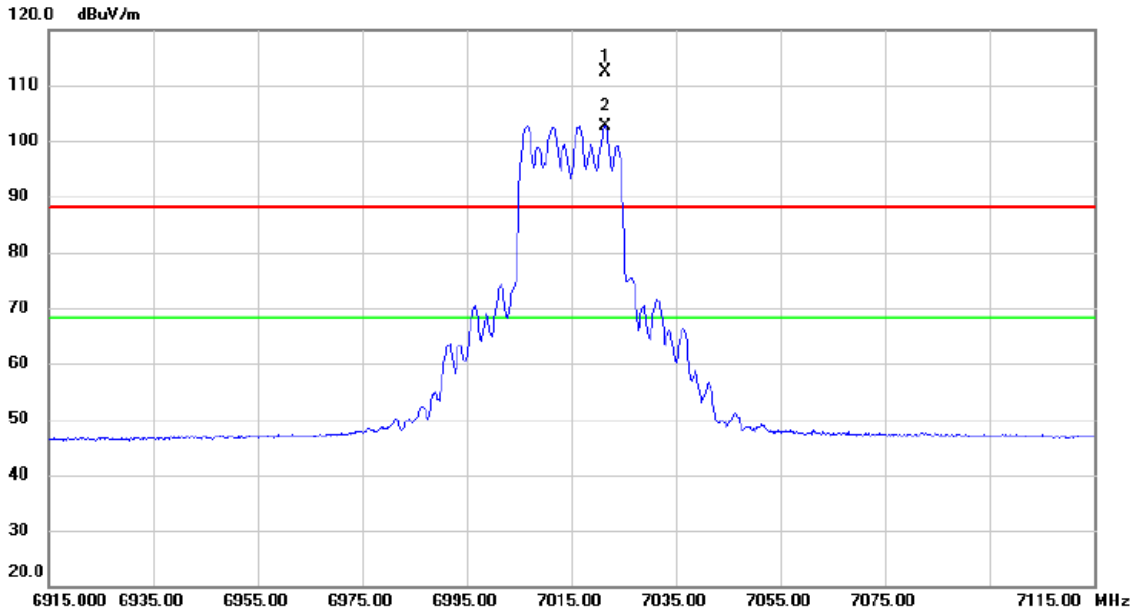
Test Mode	UNII-8_TX AX(HE20) Mode 6895 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		13787.350	53.85	9.66	63.51	88.20	-24.69	peak	
2	*	13790.300	42.72	9.67	52.39	68.20	-15.81	AVG	

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

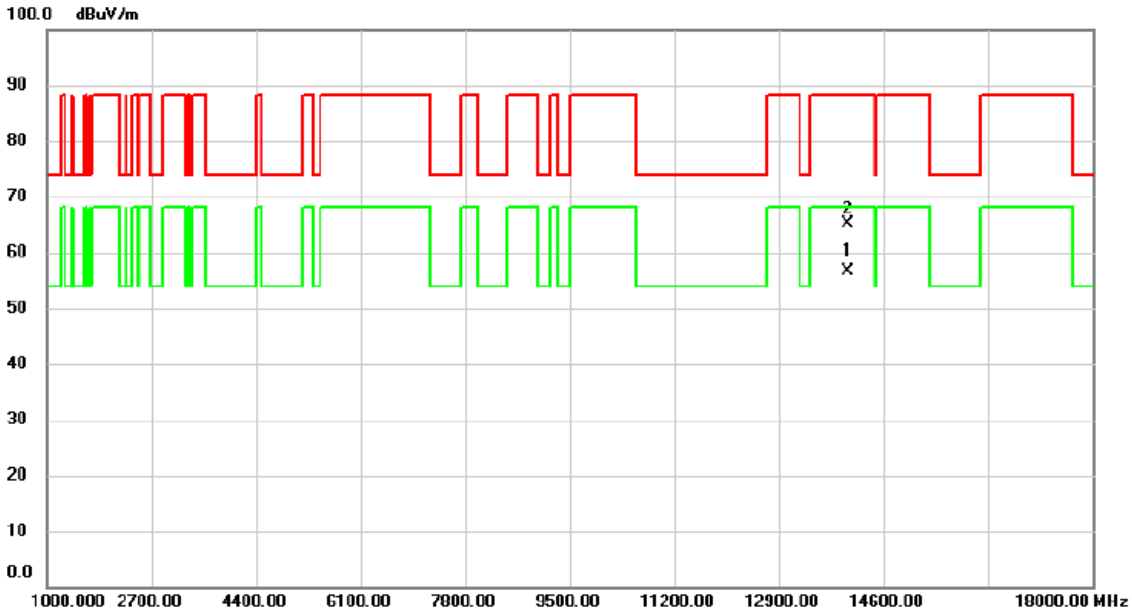
Test Mode	UNII-8_TX AX(HE20) Mode 7015 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	7021.500	96.59	15.87	112.46	88.20	24.26	peak	No Limit
2	*	7021.600	86.86	15.87	102.73	68.20	34.53	AVG	No Limit

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

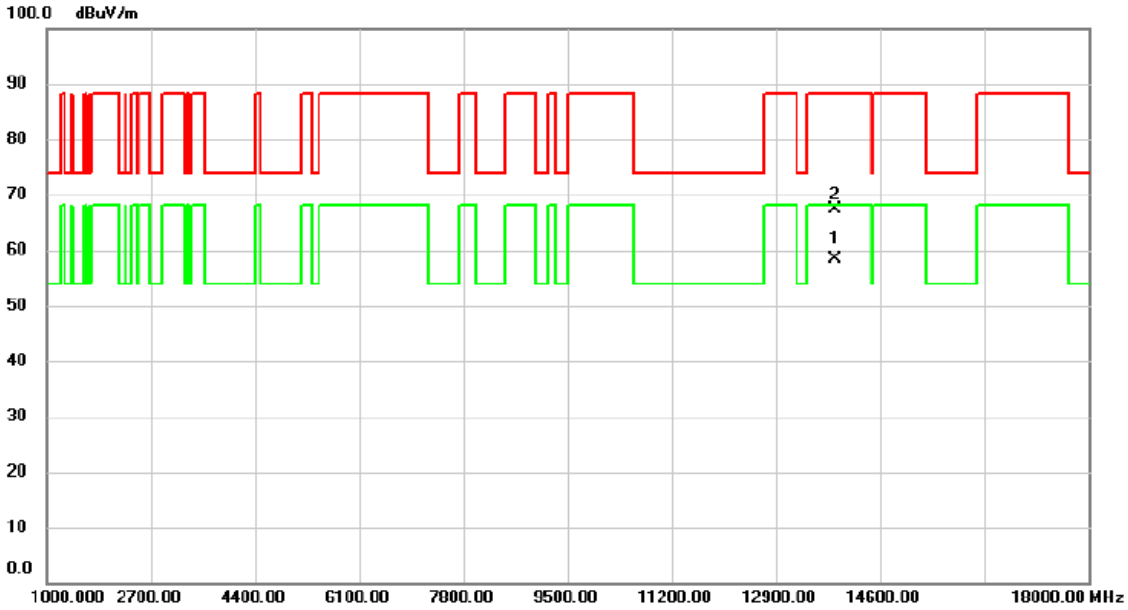
Test Mode	UNII-8_TX AX(HE20) Mode 7015 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	14031.725	46.55	10.12	56.67	68.20	-11.53	AVG	
2		14032.100	54.91	10.12	65.03	88.20	-23.17	peak	

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

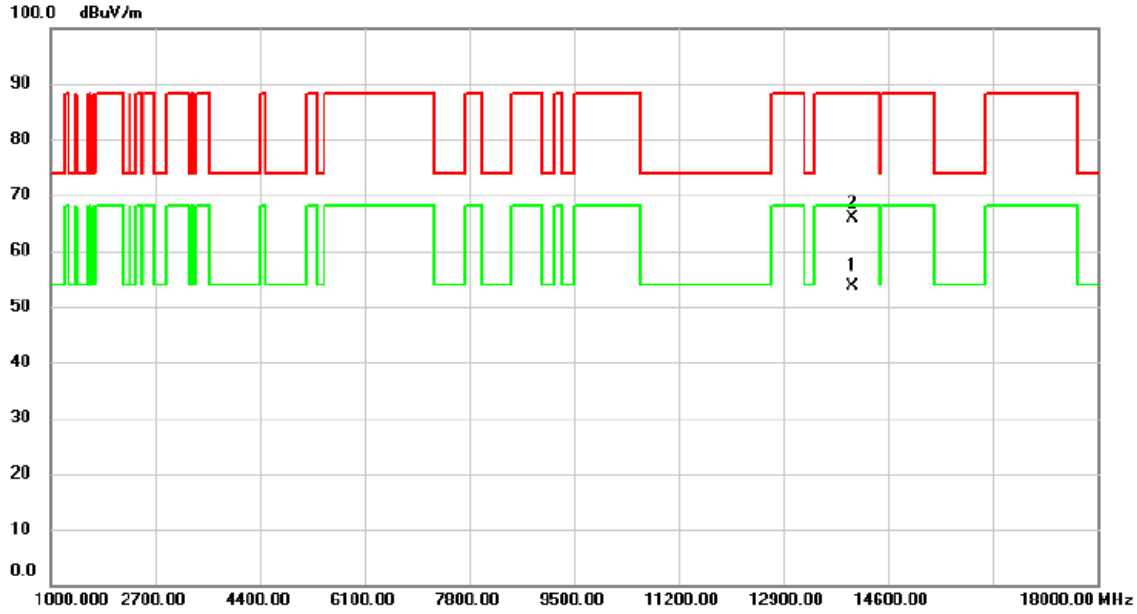
Test Mode	UNII-8_TX AX(HE40) Mode 6925 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	13852.750	48.52	9.82	58.34	68.20	-9.86	AVG	
2		13859.050	57.56	9.84	67.40	88.20	-20.80	peak	

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

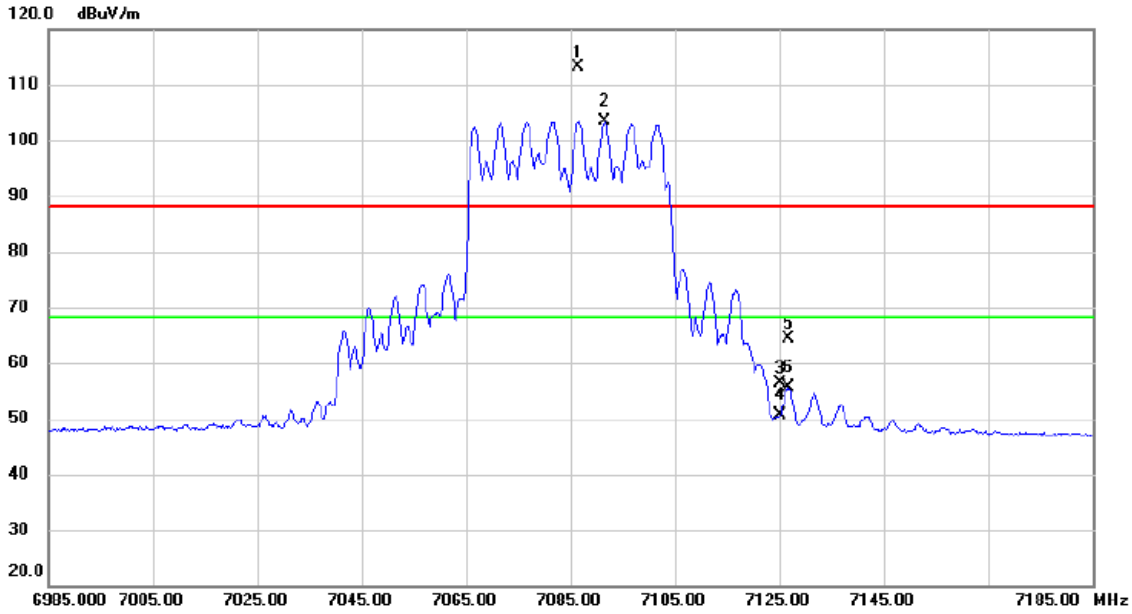
Test Mode	UNII-8_TX AX(HE40) Mode 7005 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	14013.500	43.37	10.14	53.51	68.20	-14.69	AVG	
2		14017.900	55.84	10.15	65.99	88.20	-22.21	peak	

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

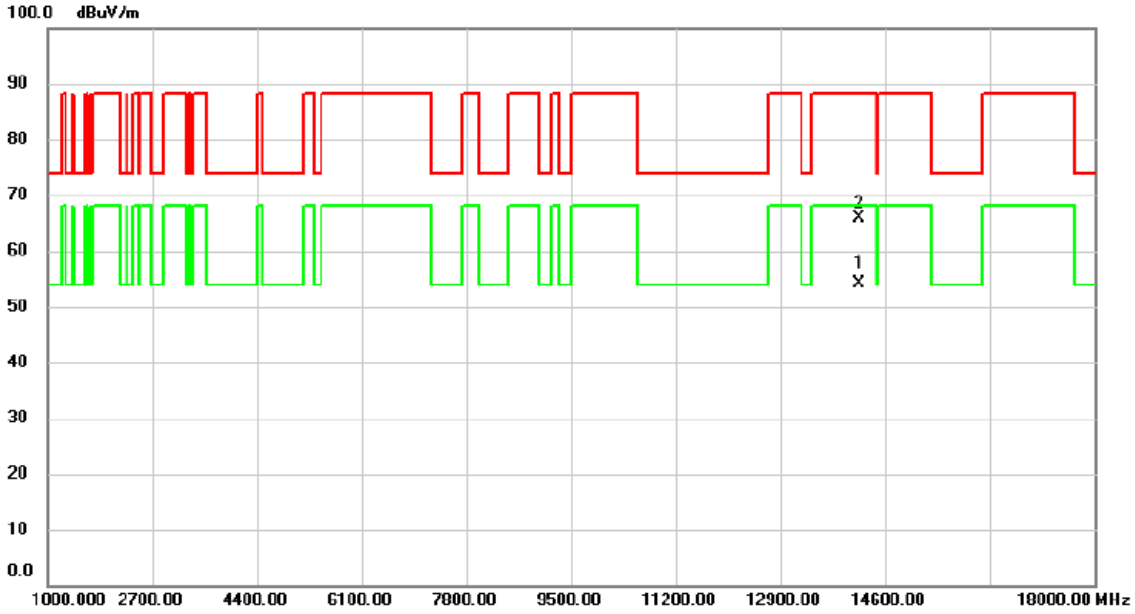
Test Mode	UNII-8_TX AX(HE40) Mode 7085 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	7086.400	97.14	15.88	113.02	88.20	24.82	peak	No Limit
2	*	7091.600	87.43	15.87	103.30	68.20	35.10	AVG	No Limit
3		7125.000	40.45	15.89	56.34	88.20	-31.86	peak	
4		7125.000	34.85	15.89	50.74	68.20	-17.46	AVG	
5		7126.700	48.53	15.89	64.42	88.20	-23.78	peak	
6		7126.700	39.62	15.89	55.51	68.20	-12.69	AVG	

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

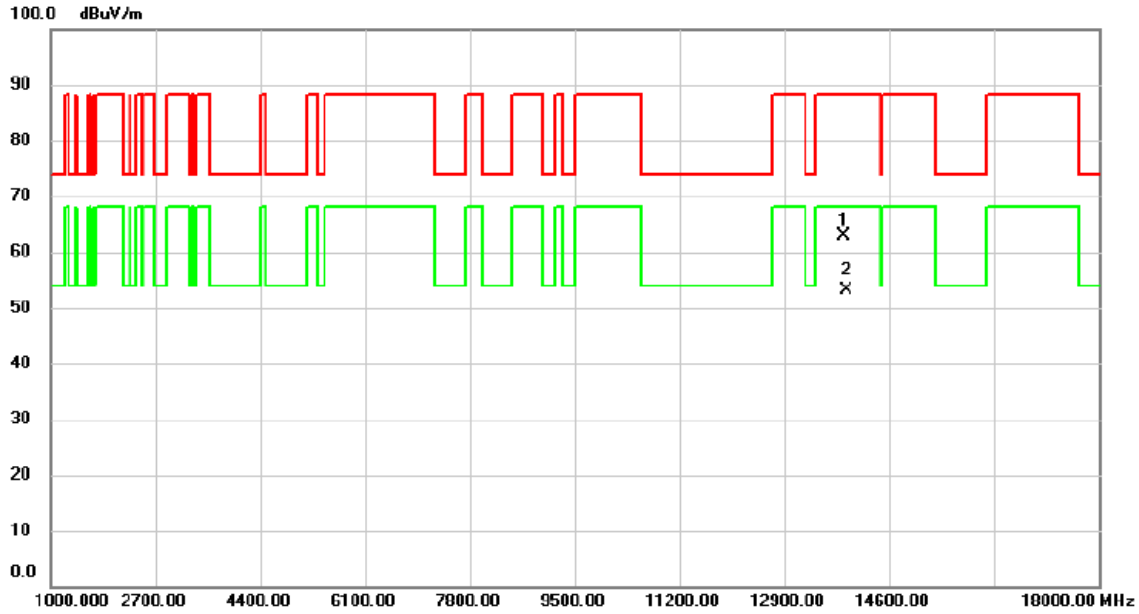
Test Mode	UNII-8_TX AX(HE40) Mode 7085 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	14169.700	44.15	9.91	54.06	68.20	-14.14	AVG	
2		14170.050	55.93	9.91	65.84	88.20	-22.36	peak	

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

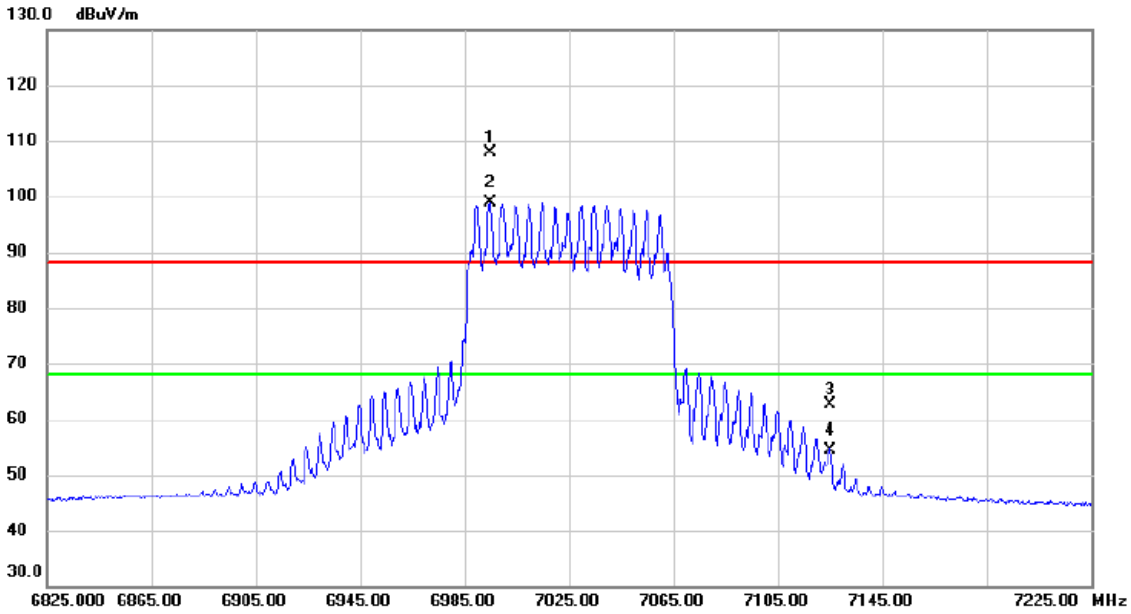
Test Mode	UNII-8_TX AX(HE80) Mode 6945 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		13866.50	51.44	11.42	62.86	88.20	-25.34	peak	
2	*	13901.00	41.72	11.49	53.21	68.20	-14.99	AVG	

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

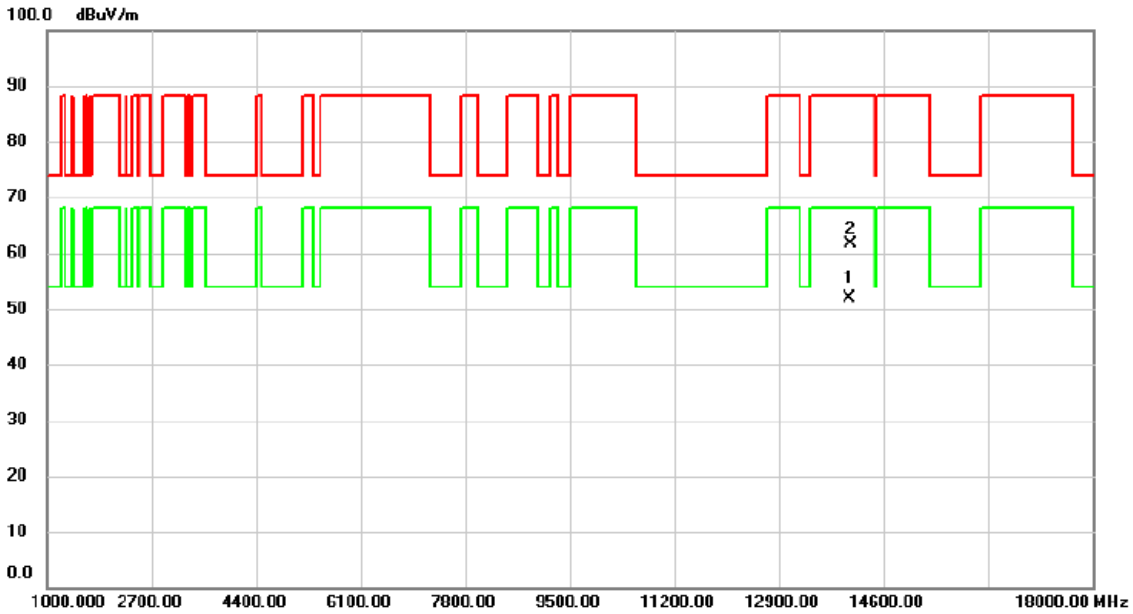
Test Mode	UNII-8_TX AX(HE80) Mode 7025 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	6994.600	89.68	18.26	107.94	88.20	19.74	peak	No Limit
2	*	6994.800	80.67	18.26	98.93	68.20	30.73	AVG	No Limit
3		7125.000	44.38	18.29	62.67	88.20	-25.53	peak	
4		7125.000	36.18	18.29	54.47	68.20	-13.73	AVG	

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

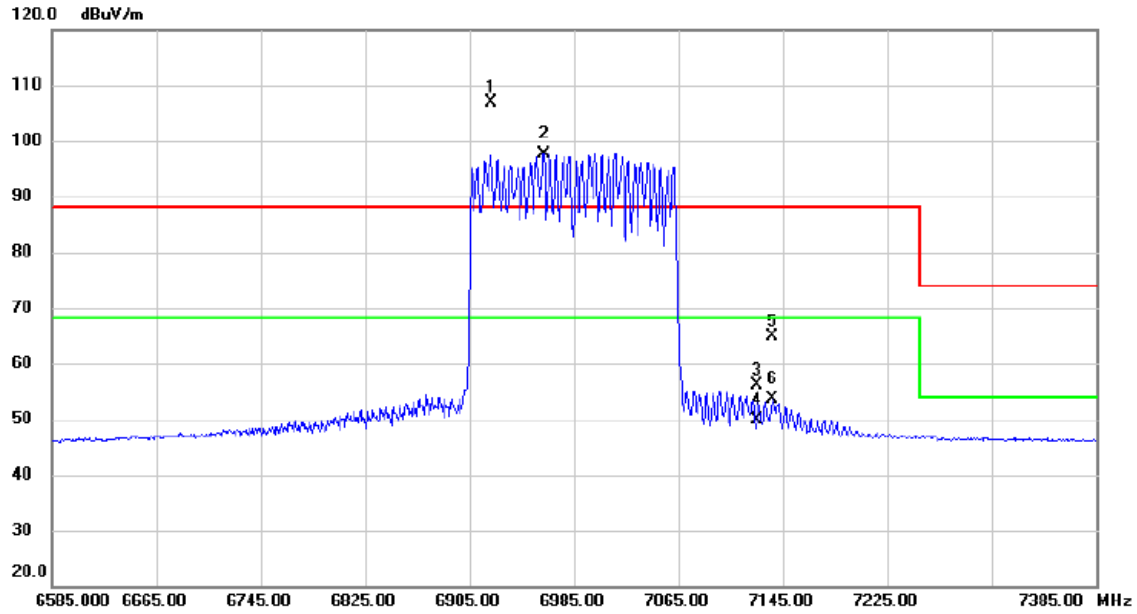
Test Mode	UNII-8_TX AX(HE80) Mode 7025 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	14051.50	40.24	11.63	51.87	68.20	-16.33	AVG	
2		14061.50	49.91	11.61	61.52	88.20	-26.68	peak	

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

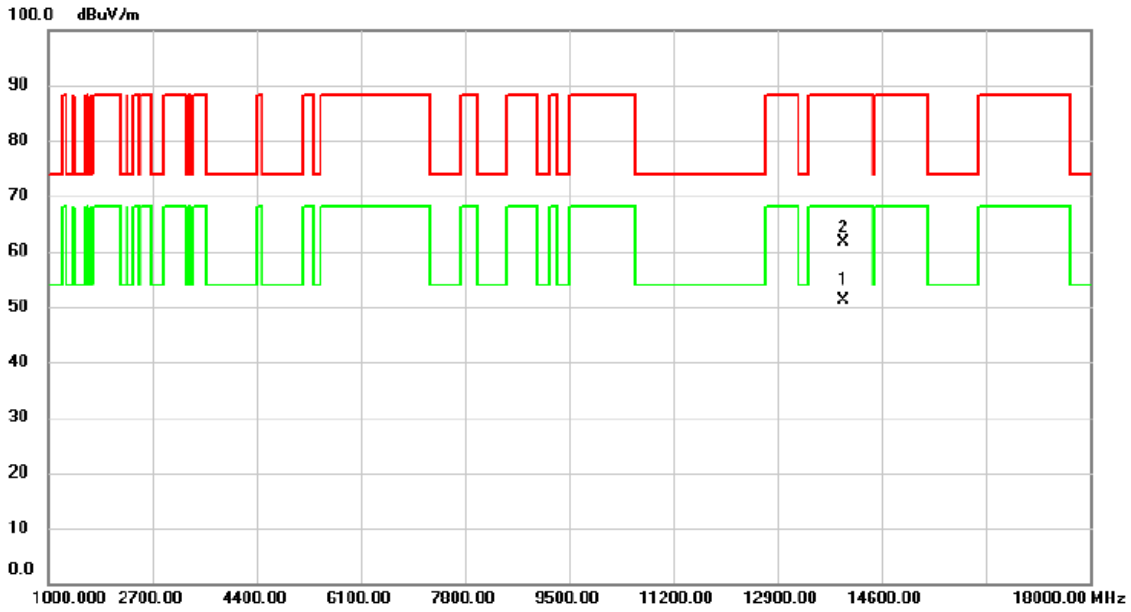
Test Mode	UNII-8_TX AX(HE160) Mode 6985 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	6921.800	88.82	18.05	106.87	88.20	18.67	peak	No Limit
2	*	6961.800	79.48	18.16	97.64	68.20	29.44	AVG	No Limit
3		7125.000	37.92	18.29	56.21	88.20	-31.99	peak	
4		7125.000	31.54	18.29	49.83	68.20	-18.37	AVG	
5		7137.400	46.56	18.29	64.85	88.20	-23.35	peak	
6		7137.400	35.37	18.29	53.66	68.20	-14.54	AVG	

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

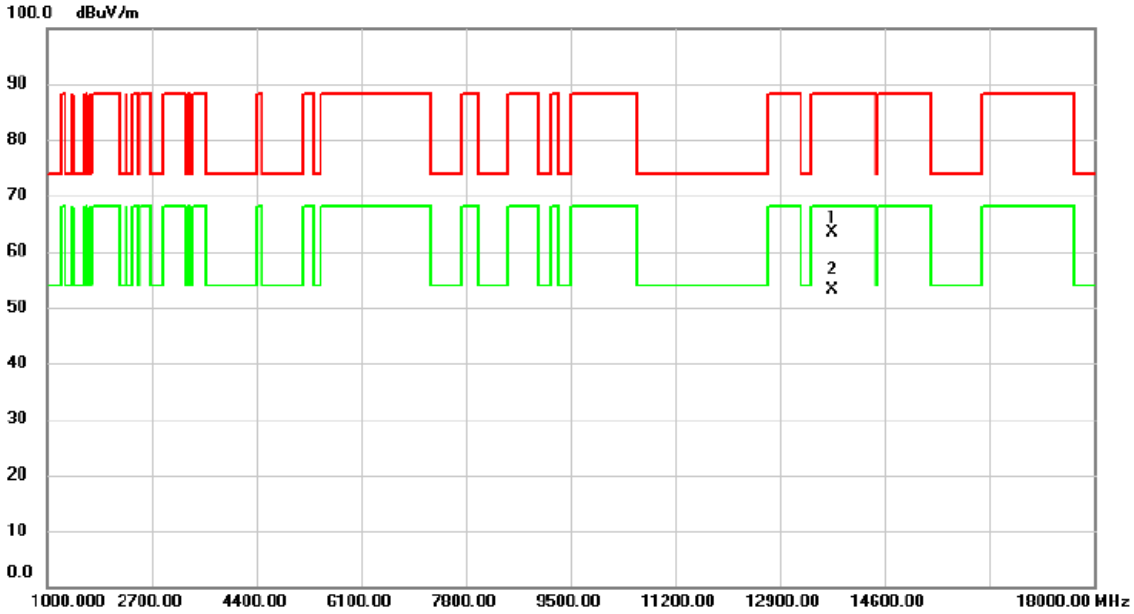
Test Mode	UNII-8_TX AX(HE160) Mode 6985 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	13976.640	39.57	11.64	51.21	68.20	-16.99	AVG	
2		13977.360	50.00	11.64	61.64	88.20	-26.56	peak	

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

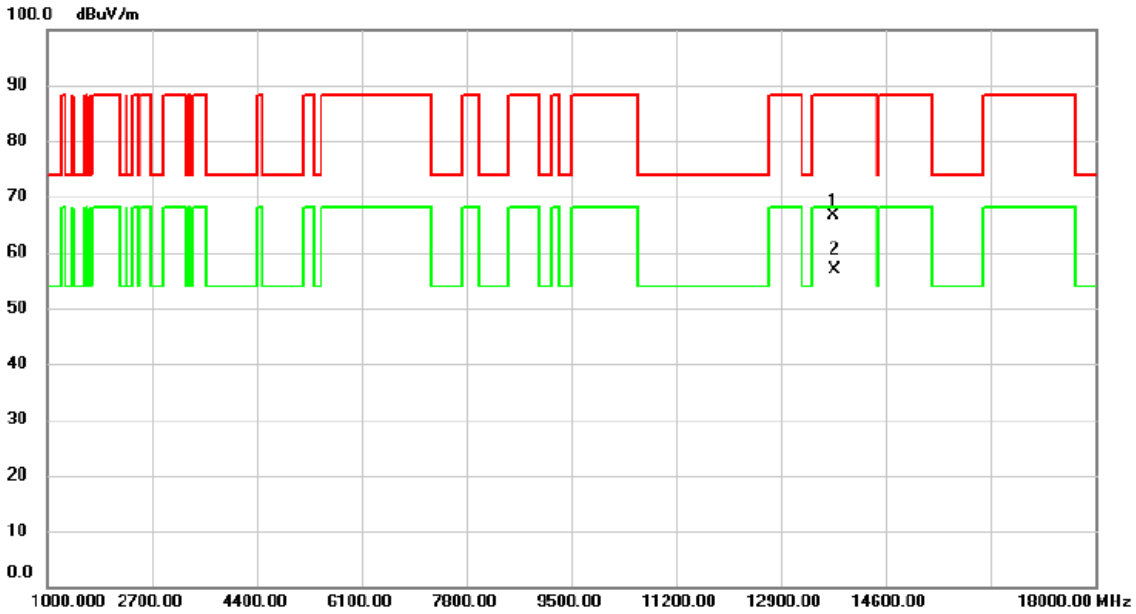
Test Mode	UNII-7+UNII-8_TX AX(HE20) Mode 6875 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		13747.300	53.87	9.57	63.44	88.20	-24.76	peak	
2	*	13750.050	43.62	9.57	53.19	68.20	-15.01	AVG	

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

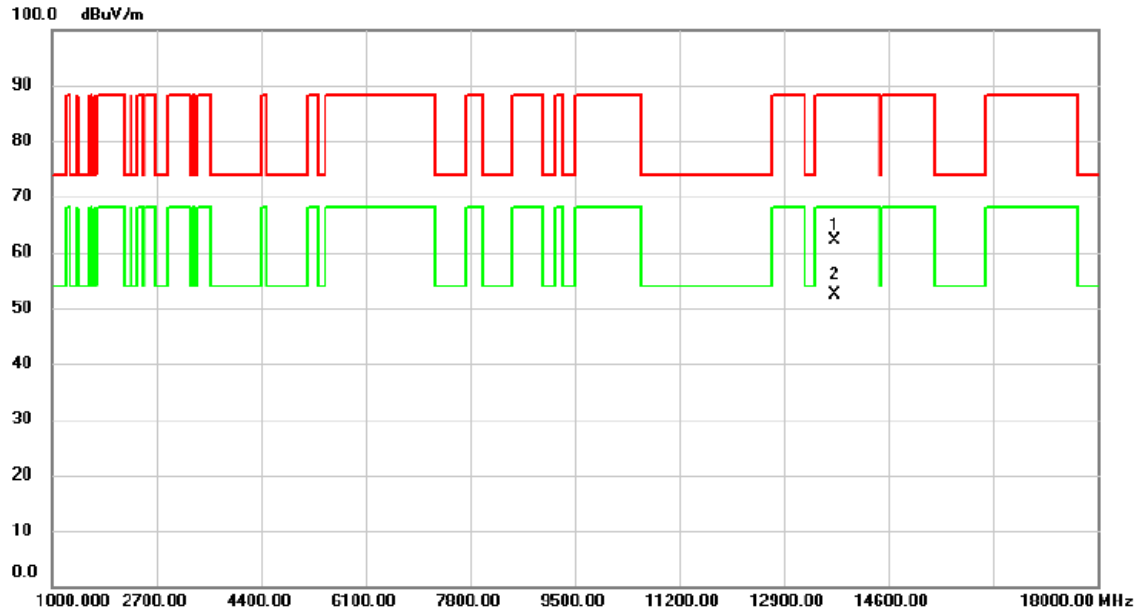
Test Mode	UNII-7+UNII-8_TX AX(HE40) Mode 6885 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		13760.150	57.05	9.61	66.66	88.20	-21.54	peak	
2	*	13772.650	47.23	9.63	56.86	68.20	-11.34	AVG	

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

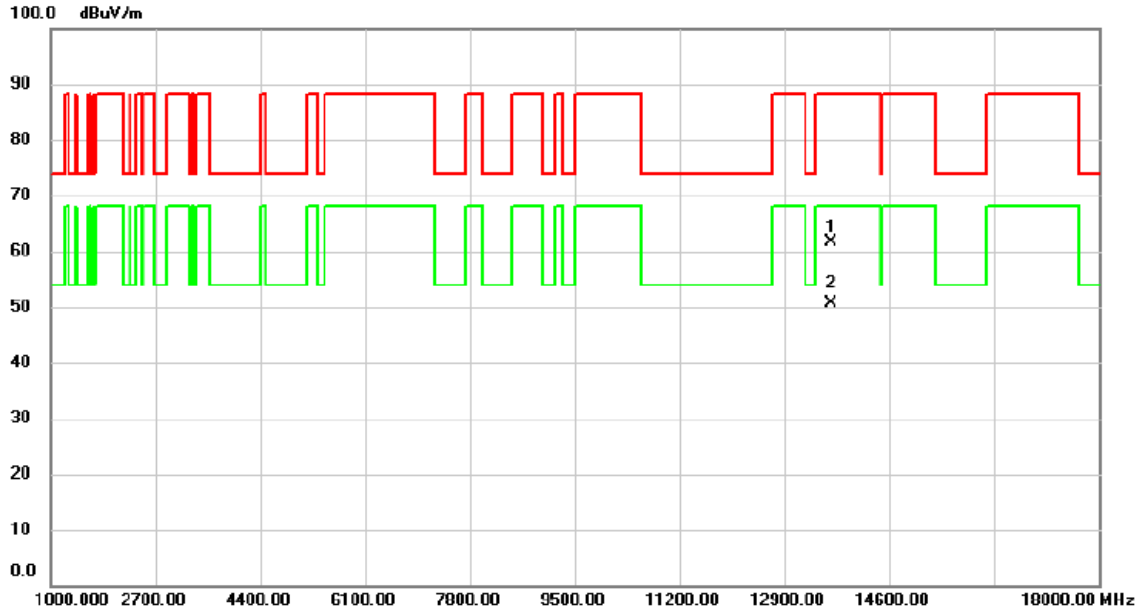
Test Mode	UNII-7+UNII-8_TX AX(HE80) Mode 6865 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		13731.50	51.07	11.16	62.23	88.20	-25.97	peak	
2	*	13736.00	41.20	11.17	52.37	68.20	-15.83	AVG	

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

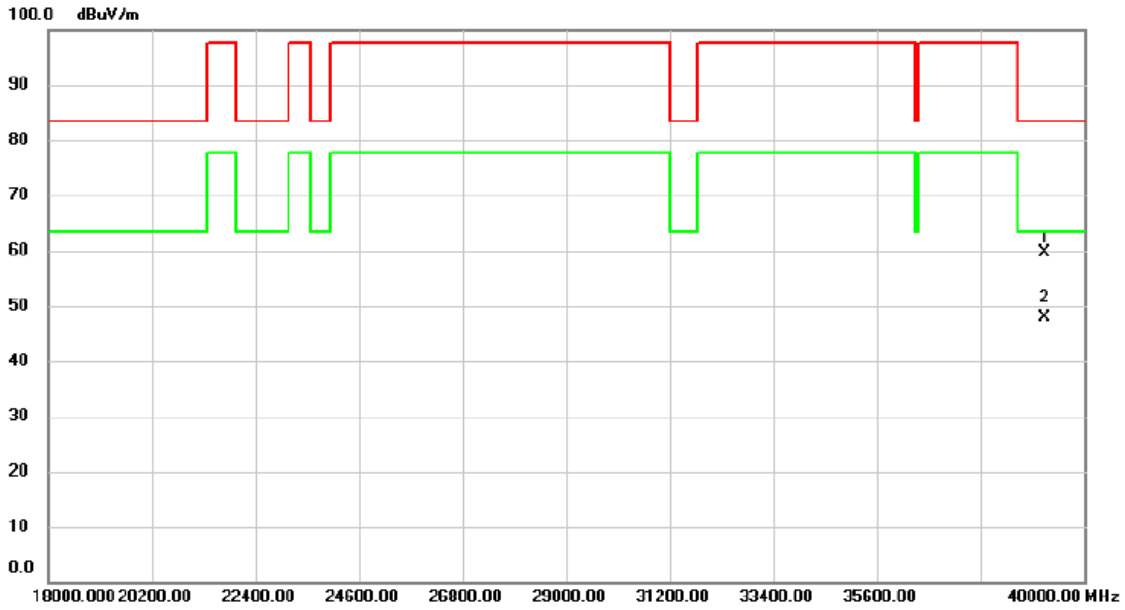
Test Mode	UNII-7+UNII-8_TX AX(HE160) Mode 6825 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		13652.830	50.73	10.99	61.72	88.20	-26.48	peak	
2	*	13657.450	39.68	11.01	50.69	68.20	-17.51	AVG	

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

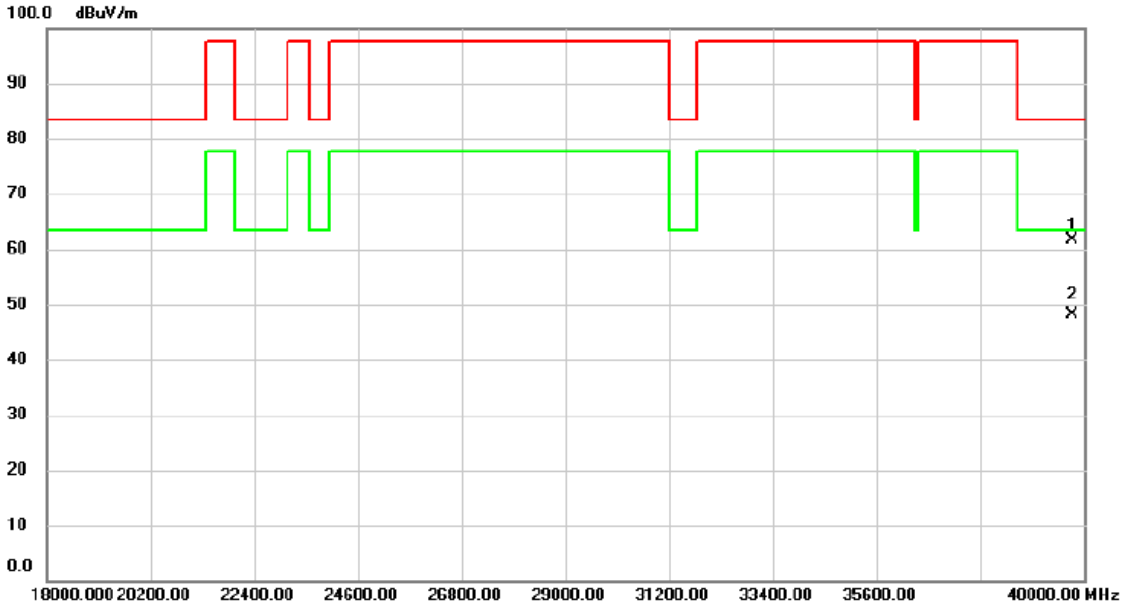
Test Mode	UNII-8_TX AX(HE160) Mode 6985 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		39150.78	40.54	19.05	59.59	83.50	-23.91	peak	
2	*	39151.35	28.76	19.05	47.81	63.50	-15.69	AVG	

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

Test Mode	UNII-8_TX AX(HE160) Mode 6985 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		39753.80	41.71	19.99	61.70	83.50	-21.80	peak	
2	*	39755.85	28.16	19.98	48.14	63.50	-15.36	AVG	

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

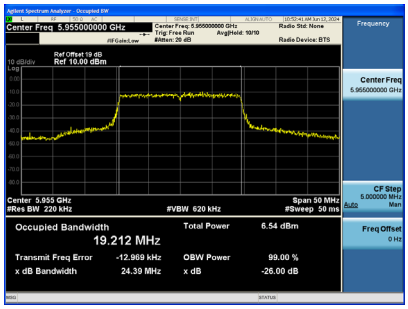
APPENDIX E - BANDWIDTH

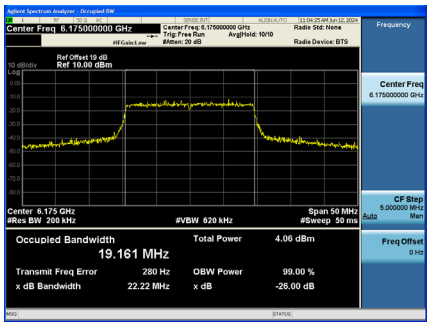
Test Mode	UNII-5_TX AX(HE20) Mode_Ant. 1

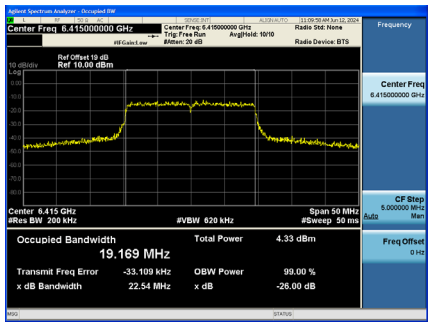
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Limit (MHz)	Result
01	5955	24.39	19.270	320	Complies
45	6175	22.22	19.367	320	Complies
93	6415	22.54	19.348	320	Complies

CH01 **CH45** **CH93**

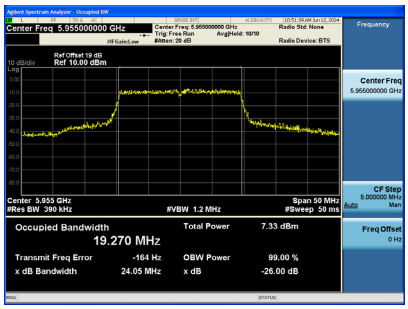
26 dB Bandwidth

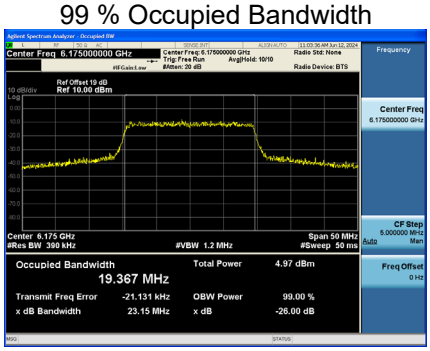


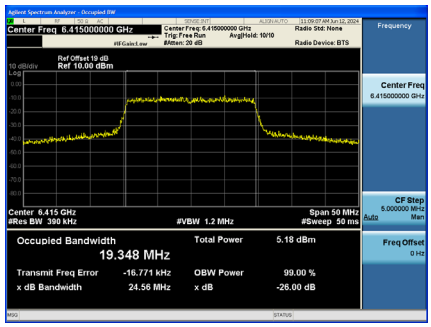




99 % Occupied Bandwidth





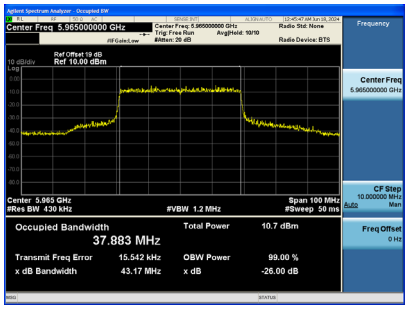


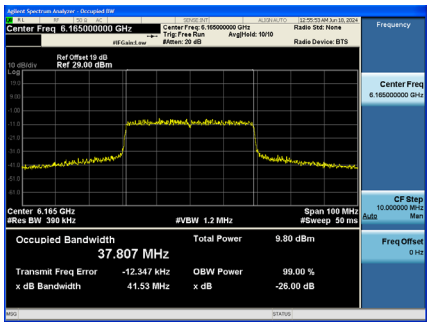
Test Mode	UNII-5_TX AX(HE40) Mode_Ant. 1

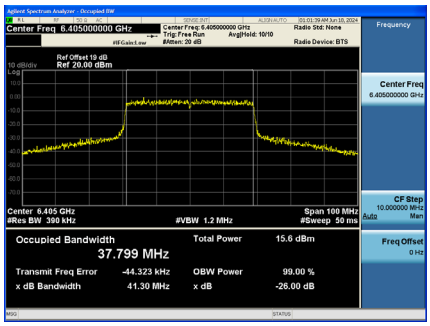
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	Limit (MHz)	Result
03	5965	43.17	38.096	320	Complies
43	6165	41.53	38.111	320	Complies
91	6405	41.30	38.070	320	Complies

CH03 **CH43** **CH91**

26 dB Bandwidth







99 % Occupied Bandwidth