NVLAP TESTING
NVLAP LAB CODE 600354-0

ilac-MRA

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. 13, 2024
Issued Date	:	Aug. 14, 2024
Report Version	:	R00
Test Sample	:	Engineering Sample No.: SSL2023110711 & SSL20240415180 for power, SSL2023110711 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.

Prepared by : Nick Chen

Approved by : Chay Cai

Room 108, Building 2, No. 1, Yile Road, Songshan Lake Zone, Dongguan City, Guangdong 523000 China

Tel: +86-769-8318-3000 Web: www.newbtl.com Service mail: btl_qa@newbtl.com

Declaration

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

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

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

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

Limitation

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

Table of Contents Page

REPORT ISSUED HISTORY 5

1 . APPLICABLE STANDARDS 6

2 . SUMMARY OF TEST RESULTS 6

2.1 TEST FACILITY 7

2.2 MEASUREMENT UNCERTAINTY 7

2.3 TEST ENVIRONMENT CONDITIONS 8

3 . GENERAL INFORMATION 9

3.1 GENERAL DESCRIPTION OF EUT 9

3.2 TEST MODES 12

3.3 PARAMETERS OF TEST SOFTWARE 16

3.4 DUTY CYCLE 20

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED 23

3.6 SUPPORT UNITS 23

3.7 CUSTOMER INFORMATION DESCRIPTION 23

4 . AC POWER LINE CONDUCTED EMISSIONS 24

4.1 LIMIT 24

4.2 TEST PROCEDURE 24

4.3 DEVIATION FROM TEST STANDARD 24

4.4 TEST SETUP 25

4.5 EUT OPERATION CONDITIONS 25

4.6 TEST RESULTS 25

5 . RADIATED EMISSIONS 26

5.1 LIMIT 26

5.2 TEST PROCEDURE 27

5.3 DEVIATION FROM TEST STANDARD 28

5.4 TEST SETUP 28

5.5 EUT OPERATION CONDITIONS 30

5.6 TEST RESULTS - 9 KHZ TO 30 MHZ 30

5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ 30

5.8 TEST RESULTS - ABOVE 1000 MHZ 30

6 . BANDWIDTH 31

6.1 LIMIT 31

6.2 TEST PROCEDURE 31

Table of Contents Page

6.3 DEVIATION FROM STANDARD 31
6.4 TEST SETUP 32
6.5 EUT OPERATION CONDITIONS 32
6.6 TEST RESULTS 32
7 . MAXIMUM OUTPUT POWER 33
7.1 LIMIT 33
7.2 TEST PROCEDURE 33
7.3 DEVIATION FROM STANDARD 33
7.4 TEST SETUP 33
7.5 EUT OPERATION CONDITIONS 33
7.6 TEST RESULTS 33
8 . POWER SPECTRAL DENSITY 34
8.1 LIMIT 34
8.2 TEST PROCEDURE 34
8.3 DEVIATION FROM STANDARD 34
8.4 TEST SETUP 35
8.5 EUT OPERATION CONDITIONS 35
8.6 TEST RESULTS 35
9 . MEASUREMENT INSTRUMENTS LIST 36
10 . EUT TEST PHOTOS 39
APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS 45
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ 48
APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ 53
APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ 56
APPENDIX E - BANDWIDTH 191
APPENDIX F - MAXIMUM OUTPUT POWER 227
APPENDIX G - POWER SPECTRAL DENSITY 284

REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-3-2309G010	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 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) 15.407(e)	Bandwidth	APPENDIX E	PASS	------
15.407(a)	Maximum Output Power	APPENDIX F	PASS	------
15.407(a)	Power Spectral Density	APPENDIX G	PASS	------
15.407(g)	Frequency Stability	------	**NOTE (2)**	------
15.203	Antenna Requirements	------	PASS	**NOTE (3)**
15.407(c)	Automatically Discontinue Transmission	------	PASS	**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) During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.
(5) For UNII-1 this device was functioned as a
☐ Outdoor access point device
☒ Indoor access point device
☐ Fixed point-to-point access points device
☐ Client device

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 Output Power	1.3 dB
Power Spectral Density	1.4 dB
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	24°C	45%	AC 120V/60Hz	Jensen Zhou	Feb. 03, 2024
	25°C	48%	AC 120V/60Hz	Jensen Zhou	Feb. 04, 2024
	23°C	51%	AC 120V/60Hz	Allen Tong	Apr. 25, 2024
	25°C	55%	AC 120V/60Hz	Jensen Zhou	May 25, 2024
Bandwidth	23°C	57%	DC 54V	Parker Yang	Jan. 26, 2024
	21°C	54%	DC 54V	Parker Yang	Feb. 01, 2024
	23°C	57%	DC 54V	Parker Yang	Jun. 07, 2024
	25°C	60%	DC 54V	Parker Yang	Jun. 14, 2024
Maximum Output Power	22°C	51%	DC 54V	Oliver Wang	Jan. 24, 2024
	22°C	59%	DC 54V	Oliver Wang	Jun. 07, 2024
	23°C	61%	DC 54V	Oliver Wang	Jun. 24, 2024
Power Spectral Density	23°C	57%	DC 54V	Parker Yang	Jan. 26, 2024
	21°C	54%	DC 54V	Parker Yang	Feb. 01, 2024
	23°C	57%	DC 54V	Parker Yang	Jun. 07, 2024
	25°C	60%	DC 54V	Parker Yang	Jun. 14, 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-1: 5150 MHz ~ 5250 MHz UNII-2A: 5250 MHz ~ 5350 MHz UNII-2C: 5470 MHz ~ 5725 MHz UNII-3: 5725 MHz ~ 5850 MHz
Modulation Type	IEEE 802.11a/n/ac: OFDM IEEE 802.11ax: OFDMA
Bit Rate of Transmitter	IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps IEEE 802.11ac: up to 866.7 Mbps IEEE 802.11ax: up to 2402 Mbps
Maximum Output Power _UNII-1 Non Beamforming	IEEE 802.11a: 28.74 dBm (0.7482 W)
Maximum Output Power _UNII-2A Non Beamforming	IEEE 802.11ac(VHT20): 22.79 dBm (0.1901 W)
Maximum Output Power _UNII-2C Non Beamforming	IEEE 802.11ax(HE40): 22.86 dBm (0.1932 W)
Maximum Output Power _UNII-3 Non Beamforming	IEEE 802.11ac(VHT20): 28.86 dBm (0.7691 W)
Maximum Output Power _UNII-1 Beamforming	IEEE 802.11ac(VHT20): 28.59 dBm (0.7228 W)
Maximum Output Power _UNII-2A Beamforming	IEEE 802.11ac(VHT20): 22.57 dBm (0.1807 W)
Maximum Output Power _UNII-2C Beamforming	IEEE 802.11ac(VHT20): 22.65 dBm (0.1841 W)
Maximum Output Power _UNII-3 Beamforming	IEEE 802.11ac(VHT20): 28.57 dBm (0.7194 W)

Note:

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

2. Channel List:

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80)	
UNII-1		UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80)	
UNII-2A		UNII-2A		UNII-2A	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80)	
UNII-2C		UNII-2C		UNII-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590	138	5690
112	5560	126	5630		
116	5580	134	5670		
120	5600	142	5710		
124	5620				
128	5640				
132	5660				
136	5680				
140	5700				
144	5720				

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80)	
UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

IEEE 802.11ax(HE160)	
Channel	Frequency (MHz)
50	5250
114	5570

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	N/A	4.08
2	N/A	N/A	PCB	N/A	4.10

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[($10^{4.08/20}$+$10^{4.10/20}$)^2/2]dBi =7.10. So, the UNII-1, UNII-3 output power limit is 30-(7.10-6)=28.9, the UNII-2A, UNII-2C output power limit is 24-(7.1-6)=22.9. The UNII-1 power spectral density limit is 17-(7.1-6)=15.9, the UNII-2A, UNII-2C power spectral density limit is 11-(7.1-6)=9.9, the UNII-3 power spectral density limit is 30-(7.1-6)=28.9.
2) Beamfroming Gain: 3.00 dB, that is Directional gain=3.00+4.10=7.10, the UNII-1, UNII-3 output power limit is 30-(7.10-6)=28.9, the UNII-2A, UNII-2C output power limit is 24-(7.1-6)=22.9.

4. Table for Antenna Configuration:

For Non Beamforming:

Operating Mode / TX Mode	2TX
IEEE 802.11a	V (Ant. 1 + Ant. 2)
IEEE 802.11n(HT20)	V (Ant. 1 + Ant. 2)
IEEE 802.11n(HT40)	V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT20)	V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT40)	V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT80)	V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE20)	V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE40)	V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE80)	V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE160)	V (Ant. 1 + Ant. 2)

For Beamforming:

Operating Mode / TX Mode	2TX
IEEE 802.11n(HT20)	V (Ant. 1 + Ant. 2)
IEEE 802.11n(HT40)	V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT20)	V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT40)	V (Ant. 1 + Ant. 2)
IEEE 802.11ac(VHT80)	V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE20)	V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE40)	V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE80)	V (Ant. 1 + Ant. 2)
IEEE 802.11ax(HE160)	V (Ant. 1 + Ant. 2)

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 A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 5	TX AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 6	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 7	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 8	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 9	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 10	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 11	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 12	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 13	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 14	TX AX(HE80) Mode Channel 58 (UNII-2A)
Mode 15	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 16	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 17	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 18	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 19	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 20	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 21	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 22	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 23	TX AX(HE160) Mode Channel 114 (UNII-2C)
Mode 24	TX A Mode Channel 149/157/165 (UNII-3)
Mode 25	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 26	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 27	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 28	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 29	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 30	TX AX(HE80) Mode Channel 155 (UNII-3)
Mode 31	TX AC(VHT20) Mode Channel 157 (UNII-3)

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 31	TX AC(VHT20) Mode Channel 157 (UNII-3)

Radiated Emissions Test - Below 1GHz	
Final Test Mode	Description
Mode 31	TX AC(VHT20) Mode Channel 157 (UNII-3)

Radiated Emissions Test - Above 1GHz	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 5	TX AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 6	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 7	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 8	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 9	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 10	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 11	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 12	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 13	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 14	TX AX(HE80) Mode Channel 58 (UNII-2A)
Mode 15	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 16	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 17	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 18	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 19	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 20	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 21	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 22	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 23	TX AX(HE160) Mode Channel 114 (UNII-2C)
Mode 24	TX A Mode Channel 149/157/165 (UNII-3)
Mode 25	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 26	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 27	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 28	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 29	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 30	TX AX(HE80) Mode Channel 155 (UNII-3)

Conducted Test	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 5	TX AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 6	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 7	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 8	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 9	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 10	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 11	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 12	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 13	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 14	TX AX(HE80) Mode Channel 58 (UNII-2A)
Mode 15	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 16	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 17	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 18	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 19	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 20	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 21	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 22	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 23	TX AX(HE160) Mode Channel 114 (UNII-2C)
Mode 24	TX A Mode Channel 149/157/165 (UNII-3)
Mode 25	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 26	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 27	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 28	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 29	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 30	TX AX(HE80) Mode Channel 155 (UNII-3)

Note:

(1) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX AC(VHT20) Mode Channel 157 (UNII-3) is found to be the worst case and recorded.

(2) 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.

(3) For radiated emission Harmonic 18-40GHz test, only tested the worst case and recorded.

(4) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.

(5) VHT20/HT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.

(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.

(7) For radiated emission above 1 GHz test, the polarization of Vertical and Horizontal are evaluated, the worst case is Horizontal and recorded.

3.3 PARAMETERS OF TEST SOFTWARE

Non Beamforming

UNII-1			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	80	70	102
IEEE 802.11ac(VHT20)	70	75	90
IEEE 802.11ax(HE20)	70	75	100
Frequency (MHz)	5190	5230	
IEEE 802.11ac(VHT40)	45	65	
IEEE 802.11ax(HE40)	45	65	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	50		
IEEE 802.11ax(HE80)	50		

UNII-2A			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	5260	5300	5320
IEEE 802.11a	74	74	74
IEEE 802.11ac(VHT20)	76	76	75
IEEE 802.11ax(HE20)	76	76	70
Frequency (MHz)	5270	5310	
IEEE 802.11ac(VHT40)	74	60	
IEEE 802.11ax(HE40)	74	50	
Frequency (MHz)	5290		
IEEE 802.11ac(VHT80)	60		
IEEE 802.11ax(HE80)	45		

UNII-1+UNII-2A	
Test Software Version	accessMTool_REL_3_3_0_2
Frequency (MHz)	5250
IEEE 802.11ax(HE160)	70

UNII-2C				
Test Software Version	accessMTool_REL_3_3_0_2			
Frequency (MHz)	5500	5580	5700	5720
IEEE 802.11a	75	79	74	68
IEEE 802.11ac(VHT20)	75	76	76	67
IEEE 802.11ax(HE20)	70	77	77	69
Frequency (MHz)	5510	5550	5670	5710
IEEE 802.11ac(VHT40)	65	78	78	77
IEEE 802.11ax(HE40)	50	78	78	78
Frequency (MHz)	5530	5610	5690	
IEEE 802.11ac(VHT80)	65	77	77	
IEEE 802.11ax(HE80)	70	77	77	
Frequency (MHz)	5570			
IEEE 802.11ax(HE160)	65			

UNII-3			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	90	101	90
IEEE 802.11ac(VHT20)	90	100	90
IEEE 802.11ax(HE20)	90	99	91
Frequency (MHz)	5755	5795	
IEEE 802.11ac(VHT40)	97	97	
IEEE 802.11ax(HE40)	95	100	
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	101		
IEEE 802.11ax(HE80)	101		

Beamforming

UNII-1			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	5180	5200	5240
IEEE 802.11ac(VHT20)	69	74	100
IEEE 802.11ax(HE20)	69	74	99
Frequency (MHz)	5190	5230	
IEEE 802.11ac(VHT40)	44	64	
IEEE 802.11ax(HE40)	44	64	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	49		
IEEE 802.11ax(HE80)	49		

UNII-2A			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	5260	5300	5320
IEEE 802.11ac(VHT20)	75	76	74
IEEE 802.11ax(HE20)	75	75	69
Frequency (MHz)	5270	5310	
IEEE 802.11ac(VHT40)	73	59	
IEEE 802.11ax(HE40)	73	49	
Frequency (MHz)	5290		
IEEE 802.11ac(VHT80)	59		
IEEE 802.11ax(HE80)	44		

UNII-1+UNII-2A	
Test Software Version	accessMTool_REL_3_3_0_2
Frequency (MHz)	5250
IEEE 802.11ax(HE160)	69

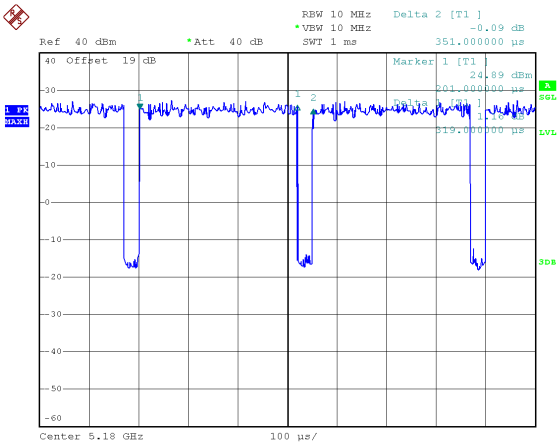
UNII-2C				
Test Software Version	accessMTool_REL_3_3_0_2			
Frequency (MHz)	5500	5580	5700	5720
IEEE 802.11ac(VHT20)	74	77	75	65
IEEE 802.11ax(HE20)	69	76	76	67
Frequency (MHz)	5510	5550	5670	5710
IEEE 802.11ac(VHT40)	64	77	77	76
IEEE 802.11ax(HE40)	49	77	77	77
Frequency (MHz)	5530	5610	5690	
IEEE 802.11ac(VHT80)	64	76	76	
IEEE 802.11ax(HE80)	69	76	76	
Frequency (MHz)	5570			
IEEE 802.11ax(HE160)	64			

UNII-3			
Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	5745	5785	5825
IEEE 802.11ac(VHT20)	89	99	89
IEEE 802.11ax(HE20)	89	98	90
Frequency (MHz)	5755	5795	
IEEE 802.11ac(VHT40)	96	96	
IEEE 802.11ax(HE40)	94	99	
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	100		
IEEE 802.11ax(HE80)	100		

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.

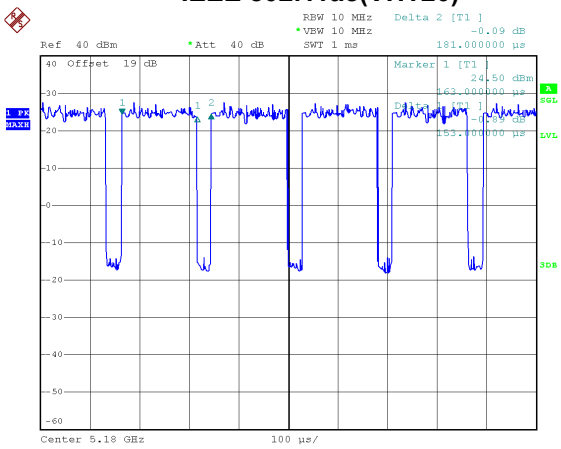
IEEE 802.11a



Date: 26.JAN.2024 17:29:08

Duty cycle = 0.319 ms / 0.351 ms = 90.88%
Duty Factor = 10 log(1 / Duty cycle) = 0.42

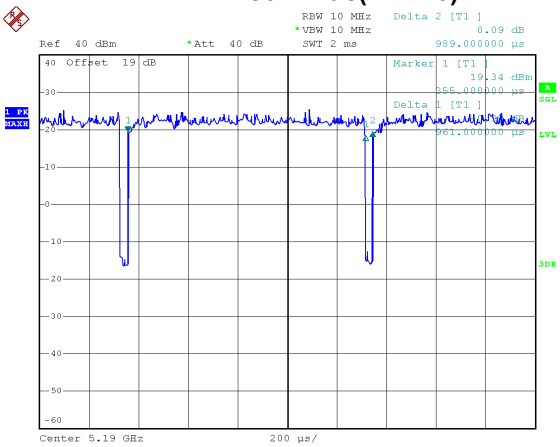
IEEE 802.11ac(VHT20)



Date: 26.JAN.2024 17:32:09

Duty cycle = 0.153 ms / 0.181 ms = 84.53%
Duty Factor = 10 log(1 / Duty cycle) = 0.73

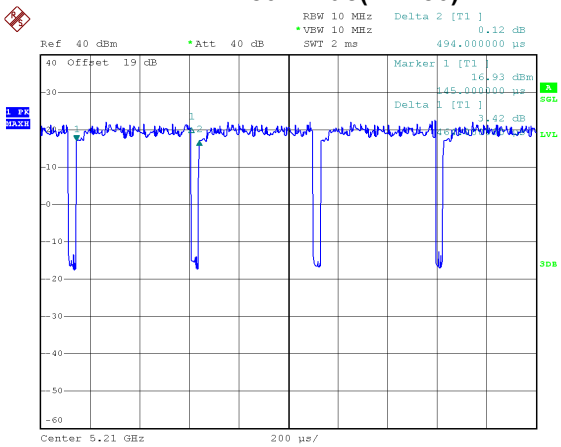
IEEE 802.11ac(VHT40)



Date: 26.JAN.2024 17:35:09

Duty cycle = 0.961 ms / 0.989 ms = 97.17%
Duty Factor = 10 log(1 / Duty cycle) = 0.12

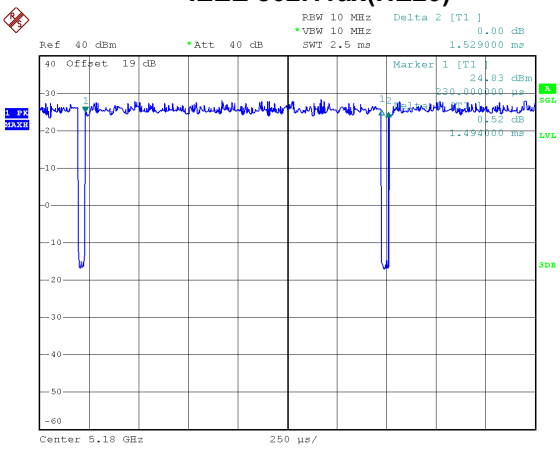
IEEE 802.11ac(VHT80)



Date: 26.JAN.2024 17:40:53

Duty cycle = 0.464 ms / 0.494 ms = 93.93%
Duty Factor = 10 log(1 / Duty cycle) = 0.27

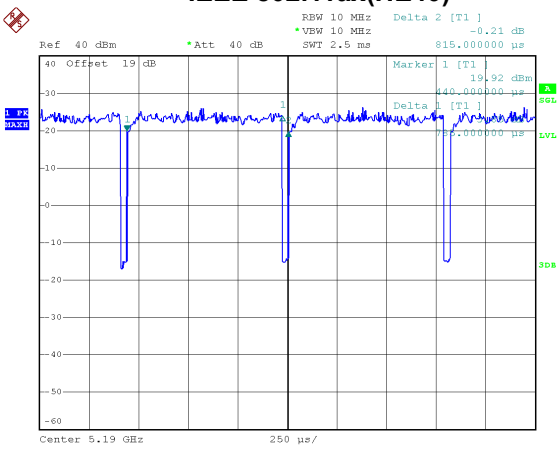
IEEE 802.11ax(HE20)



Date: 26.JAN.2024 17:45:48

Duty cycle = 1.494 ms / 1.529 ms = 97.71%
Duty Factor = 10 log(1 / Duty cycle) = 0.10

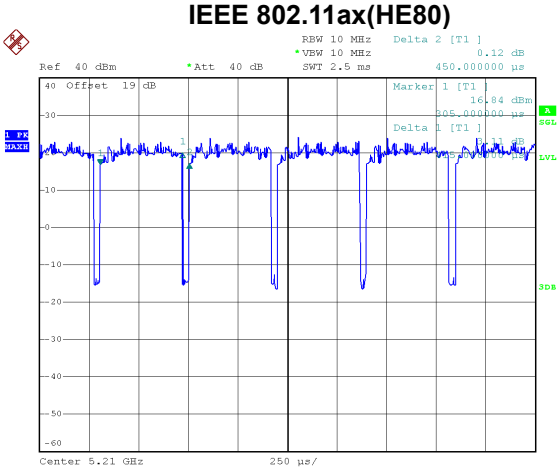
IEEE 802.11ax(HE40)



Date: 26.JAN.2024 17:47:04

Duty cycle = 0.785 ms / 0.815 ms = 96.32%
Duty Factor = 10 log(1 / Duty cycle) = 0.16

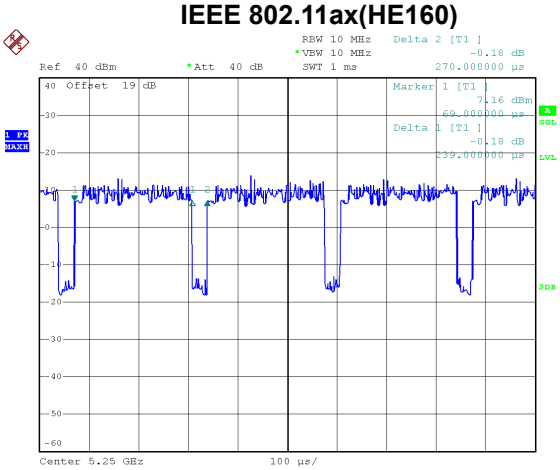
IEEE 802.11ax(HE80)



Date: 26.JAN.2024 17:48:23

Duty cycle = 0.420 ms / 0.450 ms = 93.33%
Duty Factor = 10 log(1 / Duty cycle) = 0.30

IEEE 802.11ax(HE160)



Date: 26.JAN.2024 17:51:18

Duty cycle = 0.239 ms / 0.270 ms = 88.52%
Duty Factor = 10 log(1 / Duty cycle) = 0.53

NOTE:
For IEEE 802.11a:
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3KHz (Duty cycle < 98%).

For IEEE 802.11ac(VHT20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 6KHz (Duty cycle < 98%).

For IEEE 802.11ac(VHT40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1KHz (Duty cycle < 98%).

For IEEE 802.11ac(VHT80):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2KHz (Duty cycle < 98%).

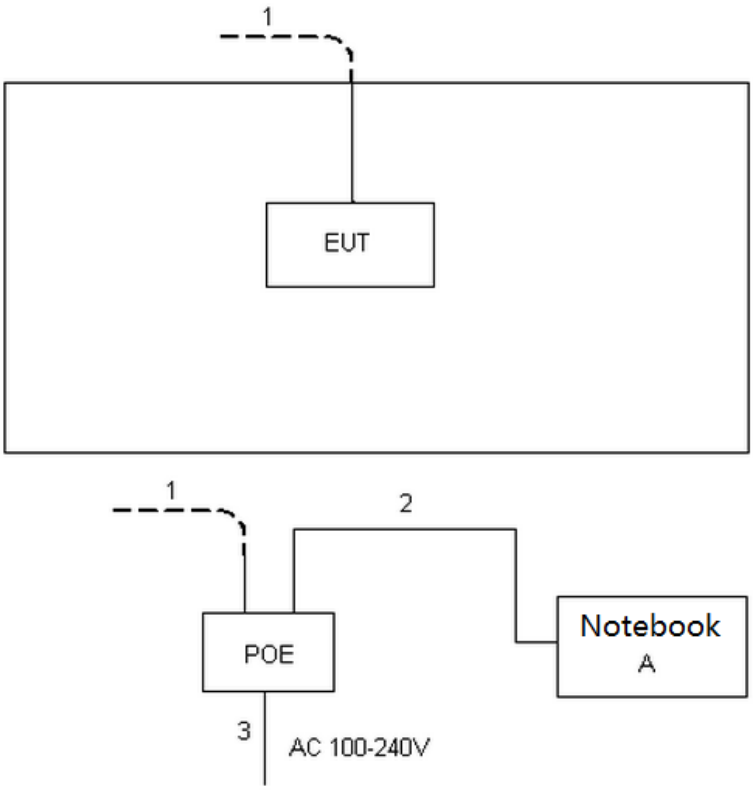
For IEEE 802.11ax(HE20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1KHz (Duty cycle < 98%).

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 1KHz (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 2KHz (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 4KHz (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.

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.

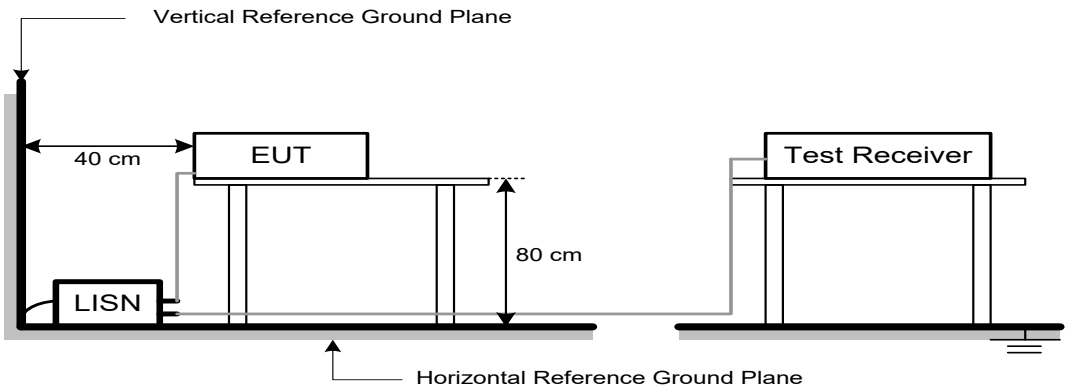
The following table is the setting of the receiver:

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)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.2
5250-5350	-27	68.2
5470-5725	-27	68.2
5725-5850 **NOTE (2)**	-27	68.2
	10	105.2
	15.6	110.8
	27	122.2

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) According to 15.407(b)(4)(i), all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(3)

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

20log (dlimit/dmeasure)=20log (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

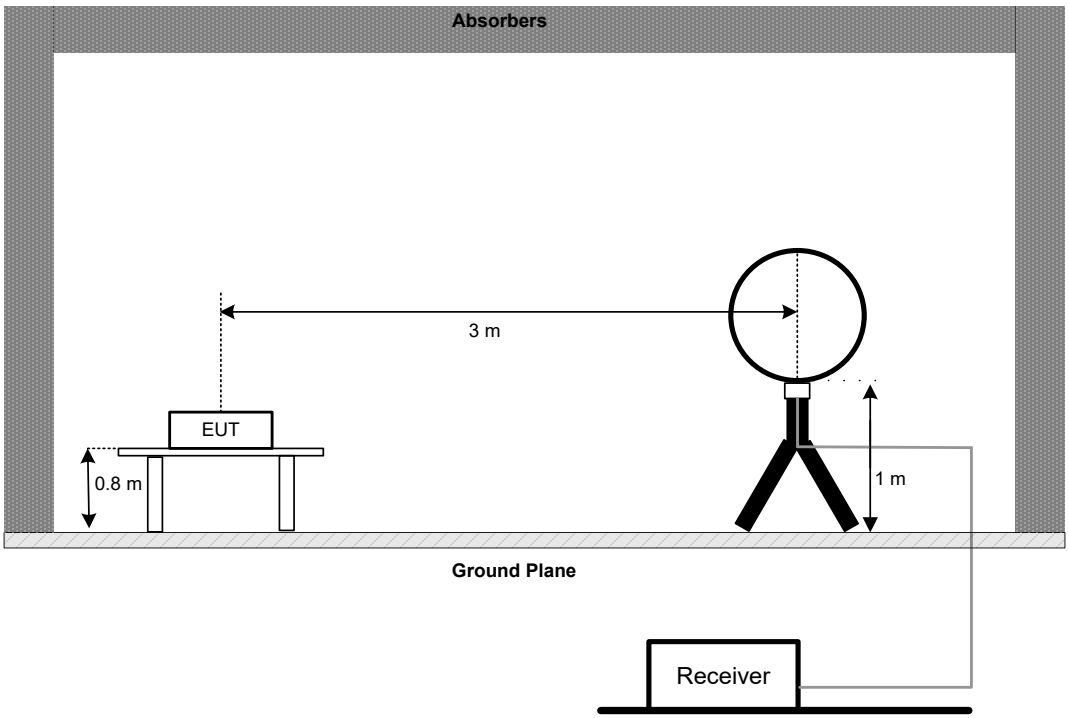
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

5.3 DEVIATION FROM TEST STANDARD

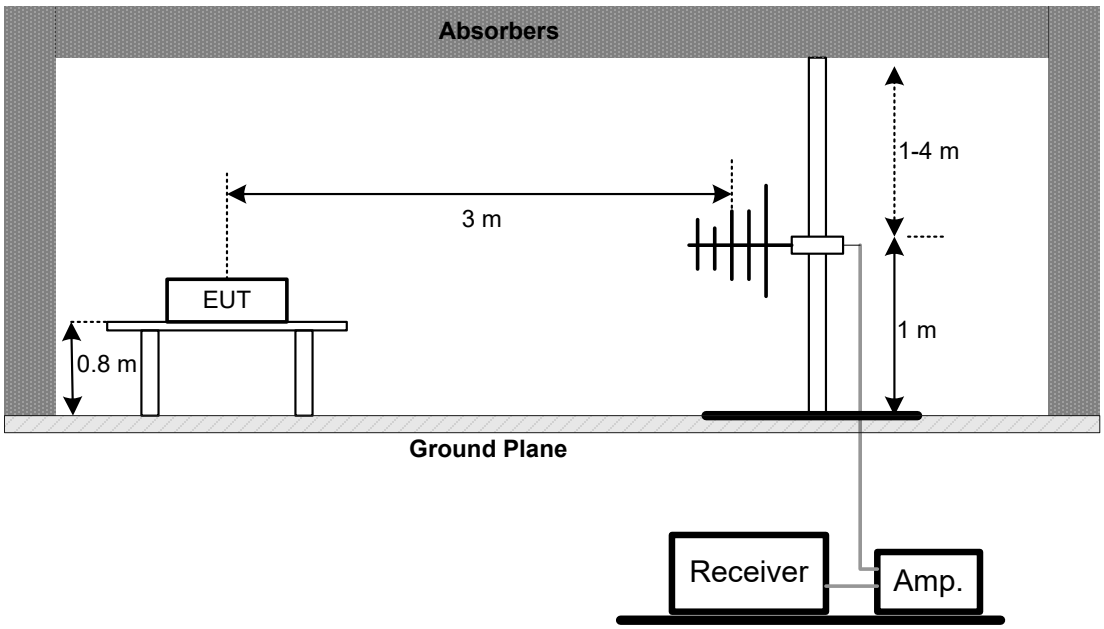
No deviation.

5.4 TEST SETUP

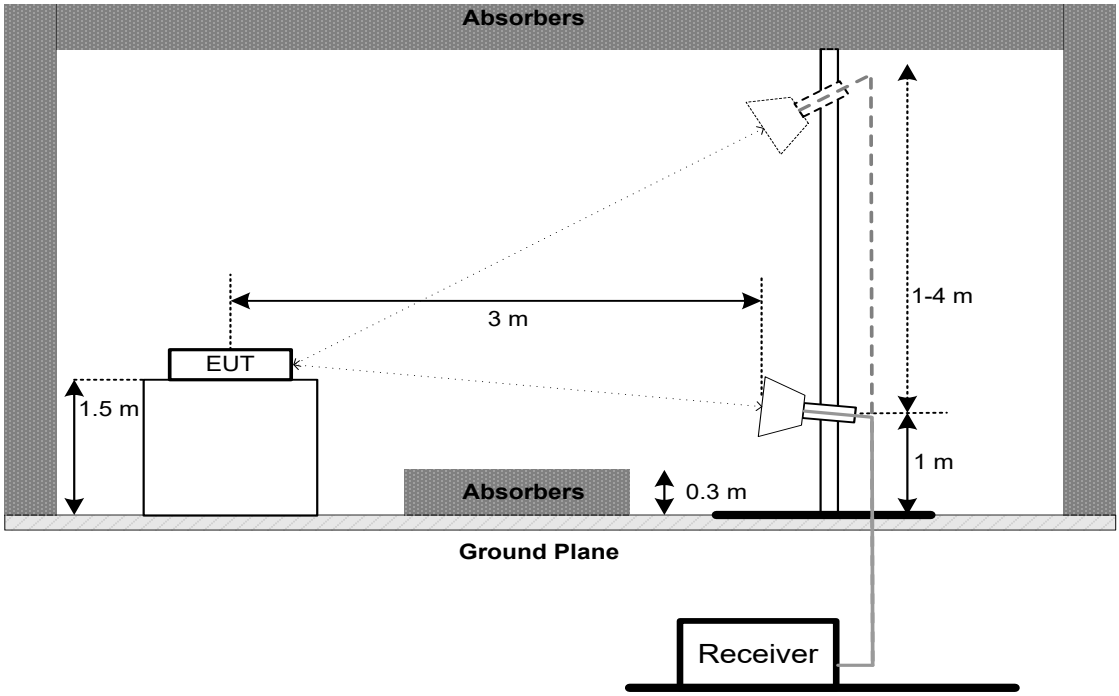
9 kHz to 30 MHz



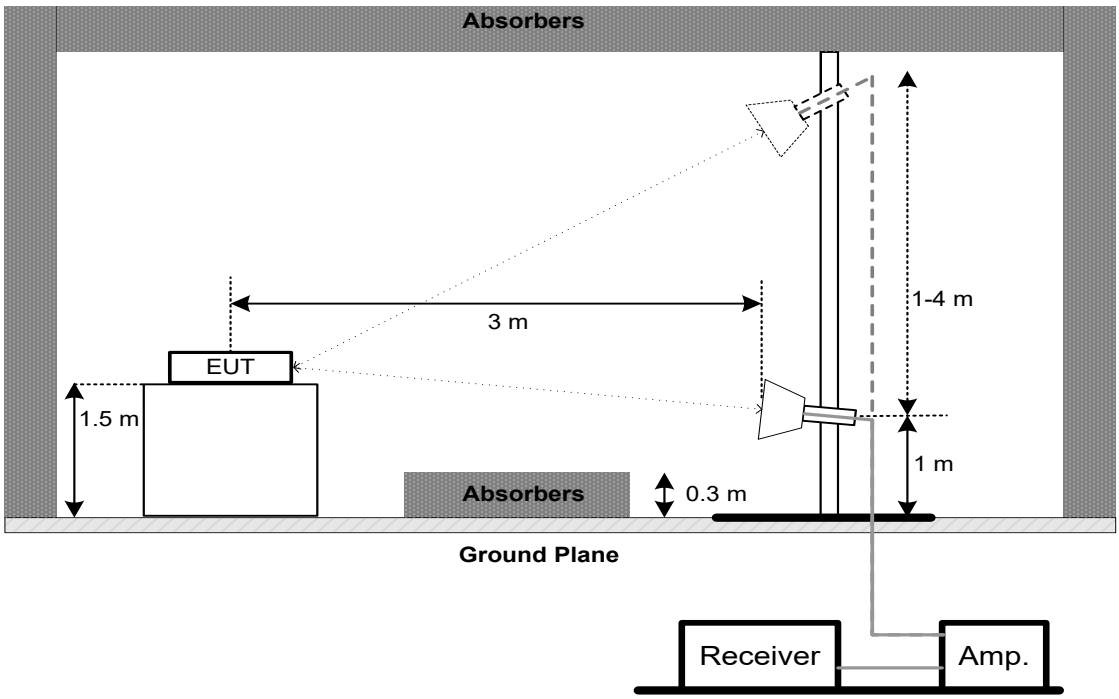
30 MHz to 1 GHz



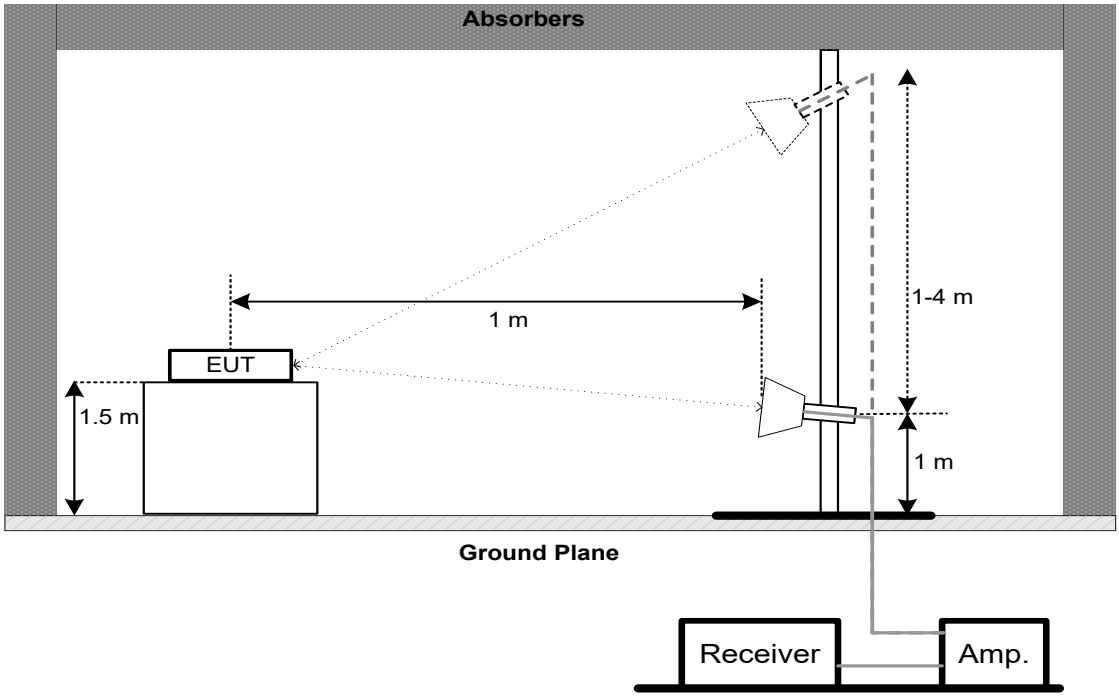
Above 1 GHz
Band edge



Harmonic(1 GHz to 18 GHz)



Harmonic(Above 18 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) FCC 15.407(e)	26 dB Bandwidth	-	5150-5250
	26 dB Bandwidth	-	5250-5350
	26 dB Bandwidth	-	5470-5725
	6 dB Bandwidth	Minimum 500 kHz	5725-5850

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 UNII-1, UNII-2A, UNII-2C:

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 UNII-3:

Spectrum Parameter	Setting
Span Frequency	> 6 dB Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For 99% Occupied Bandwidth:

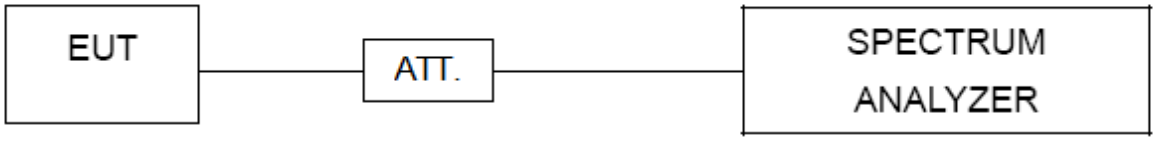
Spectrum Parameter	Setting
Span Frequency	1.5 times to 5 times the OBW
RBW	1% to 5% of the OBW
VBW	≥3*RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

c. Measured the spectrum width with power higher than 26 dB / 6 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 OUTPUT POWER

7.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	Maximum Output Power	AP device: 1 Watt (30 dBm) Client device: 250 mW (23.98 dBm)	5150-5250
		250 mW (23.98 dBm)	5250-5350
		250 mW (23.98 dBm)	5470-5725
		1 Watt (30dBm)	5725-5850

Note:

a. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

b. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

7.2 TEST PROCEDURE

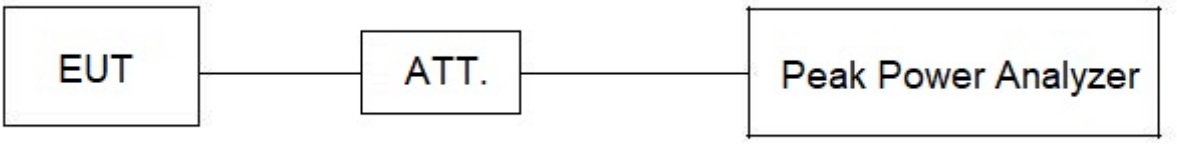
a. The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.

b. The 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. POWER SPECTRAL DENSITY

8.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	Power Spectral Density	AP device: 17 dBm/MHz Client device: 11 dBm/MHz	5150-5250
		11 dBm/MHz	5250-5350
		11 dBm/MHz	5470-5725
		30 dBm/500 kHz	5725-5850

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:

For UNII-1, UNII-2A, UNII-2C:

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

For UNII-3:

Spectrum Parameter	Setting
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	100 kHz.
VBW	300 kHz.
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

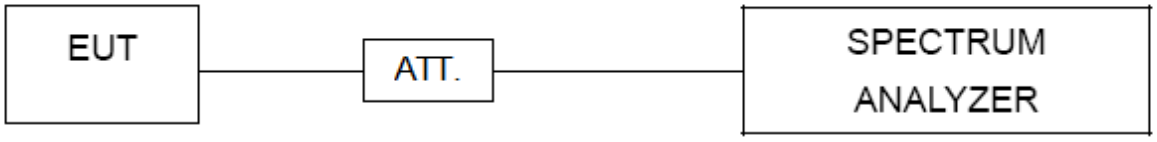
Note:

1. For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 100kHz and VBW at 300kHz if the spectrum analyzer does not have 500 kHz RBW. Then, add 10 log (500 kHz/100 kHz) to the measured result, i.e. 7 dB.
2. During the test of U-NII 3 PSD, the measurement result with RBW=100kHz has been added 7 dB by compensating offset. For example, the cable loss is 13 dB, and the final offset is 13 + 7 = 20 dB when RBW=100kHz is used.

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. 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-NMBM-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-0.5m	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. 03, 2024 & Feb. 04, 2024 & Apr. 25, 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-12.5 M	N/A	Aug. 08, 2024
6	Cable	RegalWay	RWLP50-4.0A-NMRAS M-2.5M	N/A	Aug. 08, 2024
7	Cable	RegalWay	RWLP50-4.0A-NMRAS MRA-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-2.92M2. 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: May 25, 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-12.5 M	N/A	Aug. 08, 2024
6	Cable	RegalWay	RWLP50-4.0A-NMRAS M-2.5M	N/A	Aug. 08, 2024
7	Cable	RegalWay	RWLP50-4.0A-NMRAS MRA-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-2.92M2. 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 & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Jun. 16, 2024
2	Attenuator	Talent Microwave	TA10A0-S-26.5	N/A	N/A
3	Attenuator	Talent Microwave	TA10A0-S-26.5	N/A	N/A
4	DC Block	N/A	N/A	N/A	N/A
5	Measurement Software	BTL	BTL Conducted Test	N/A	N/A

For test date: Jan. 24, 2024 & Jun. 07, 2024:

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	Talent Microwave	TA10A2-S-18	N/A	N/A	N/A

For test date: Jun. 24, 2024:

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	May 31, 2025
2	Wideband power sensor	Keysight	N1923A	MY58310004	May 31, 2025
3	Talent Microwave	TA10A2-S-18	N/A	N/A	N/A

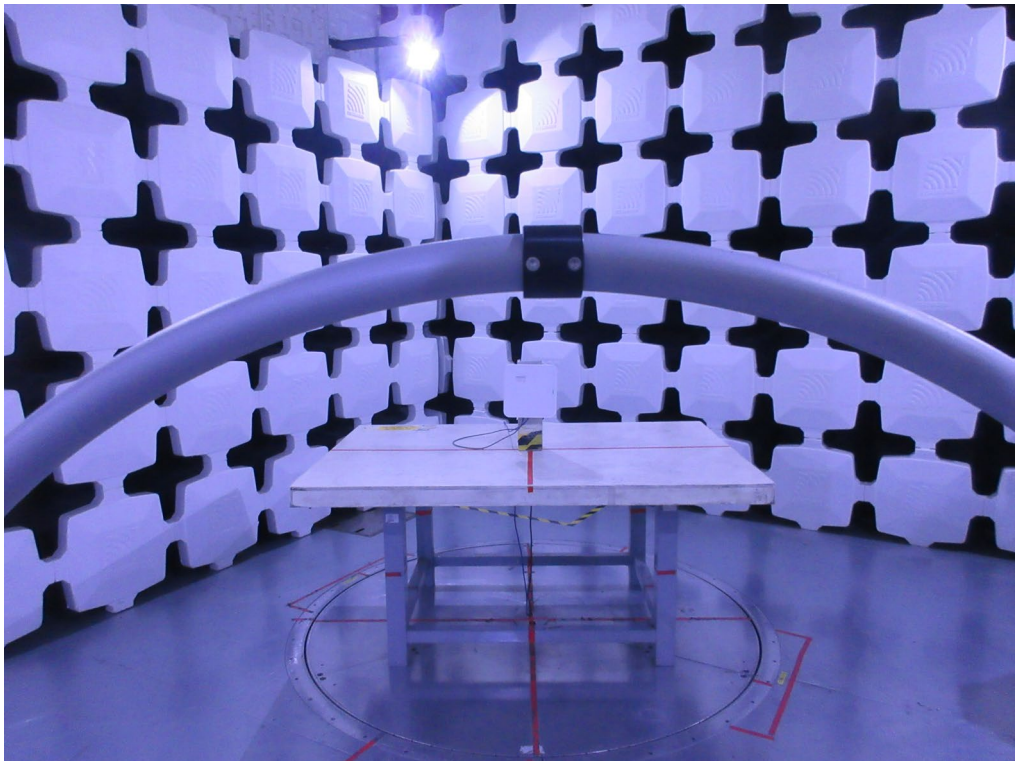
Remark: “N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

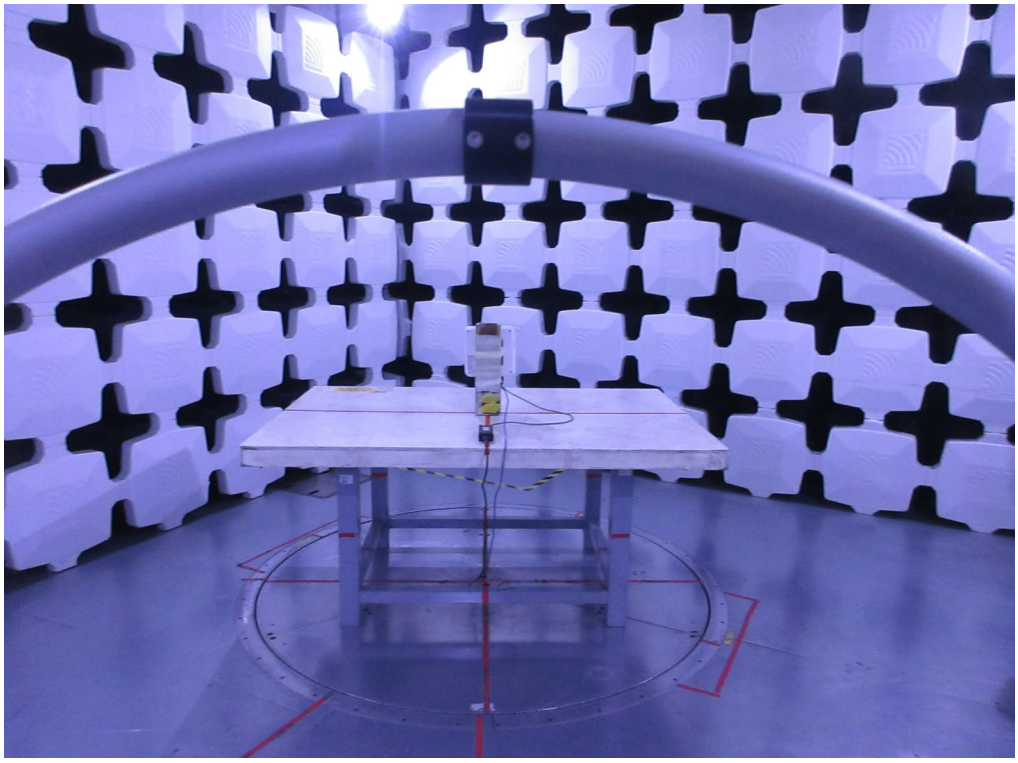
10. EUT TEST PHOTOS

AC Power Line Conducted Emissions Test Photos

Radiated Emissions Test Photos

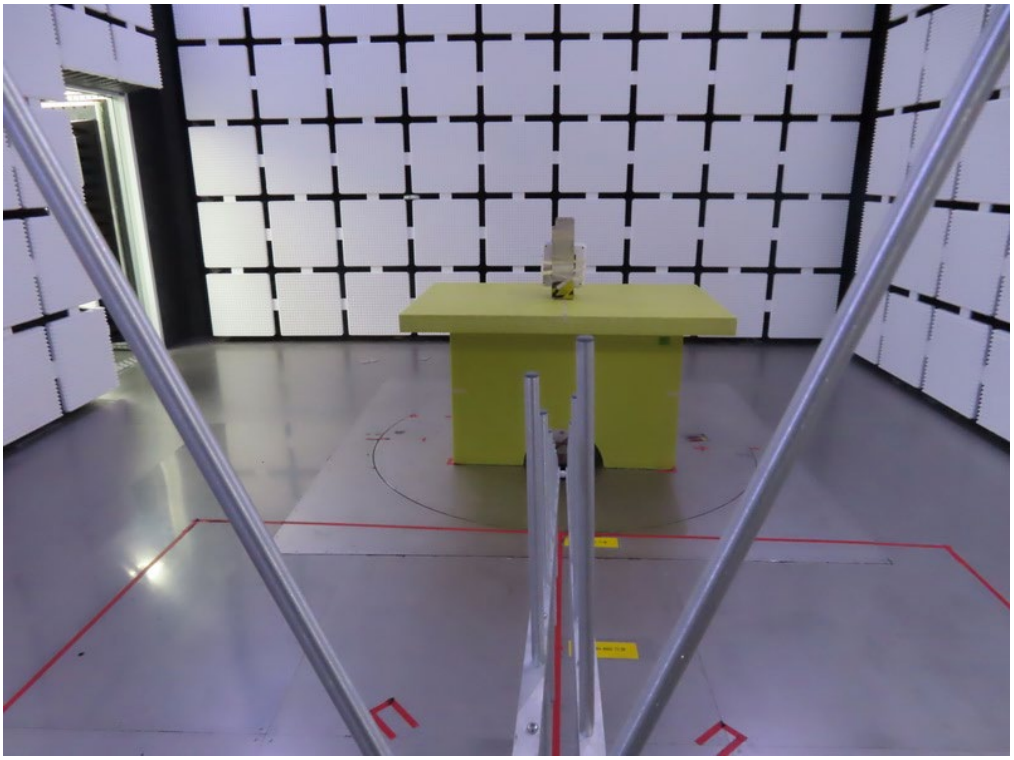
9 kHz to 30 MHz

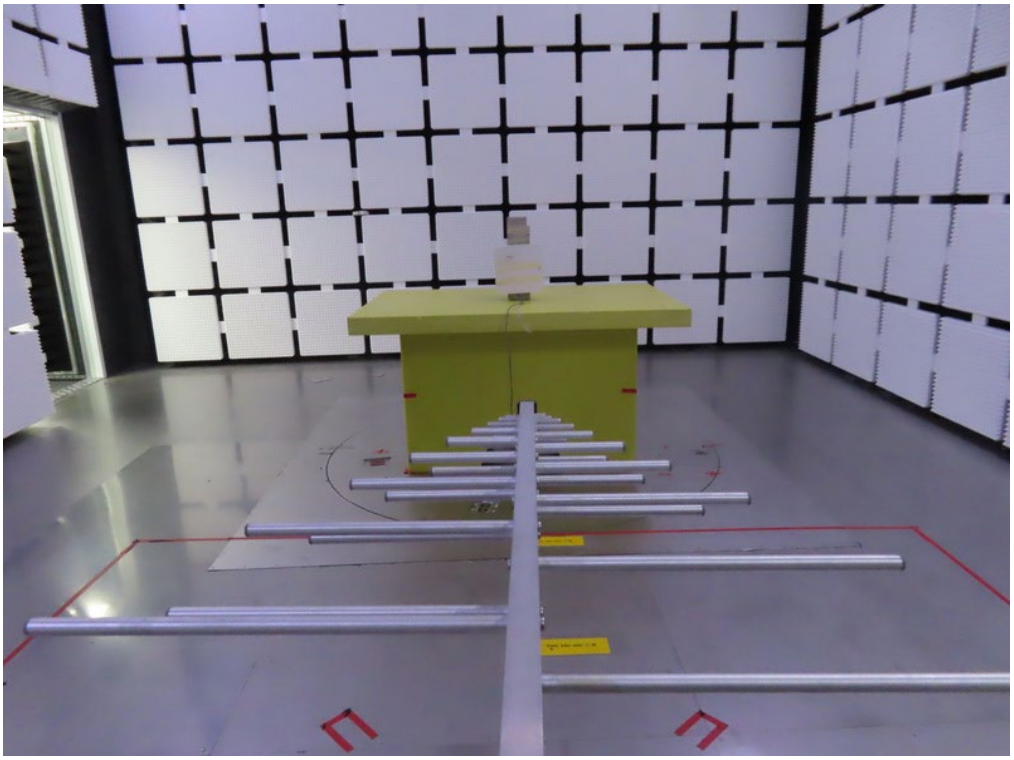




Radiated Emissions Test Photos

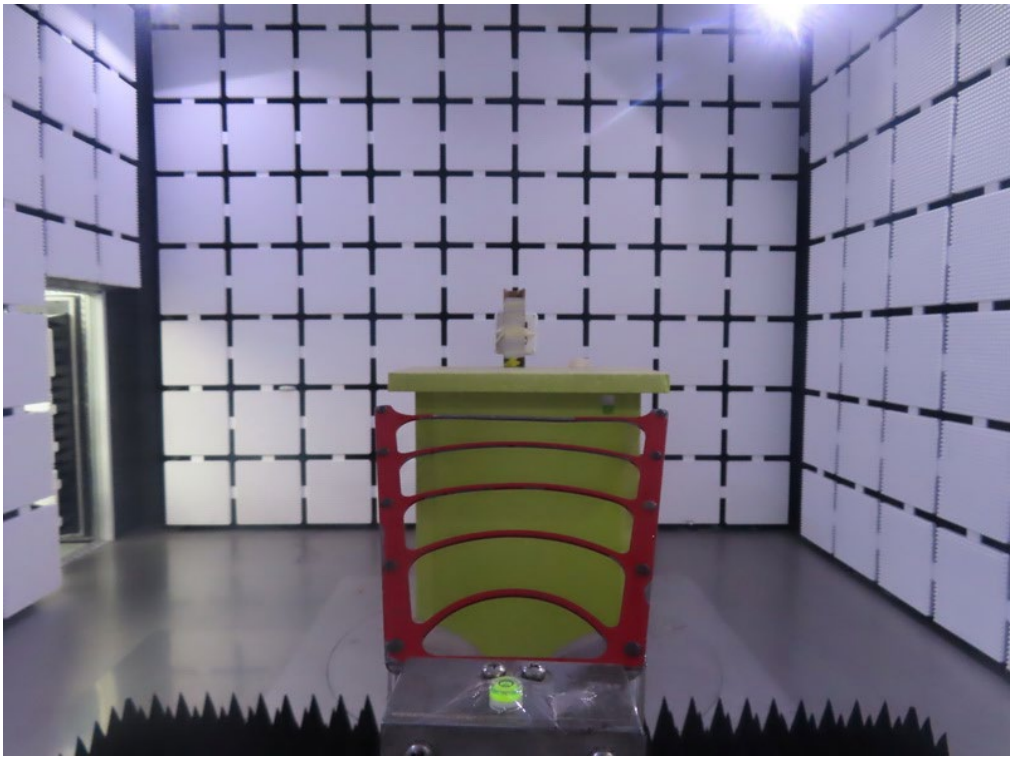
30 MHz to 1 GHz

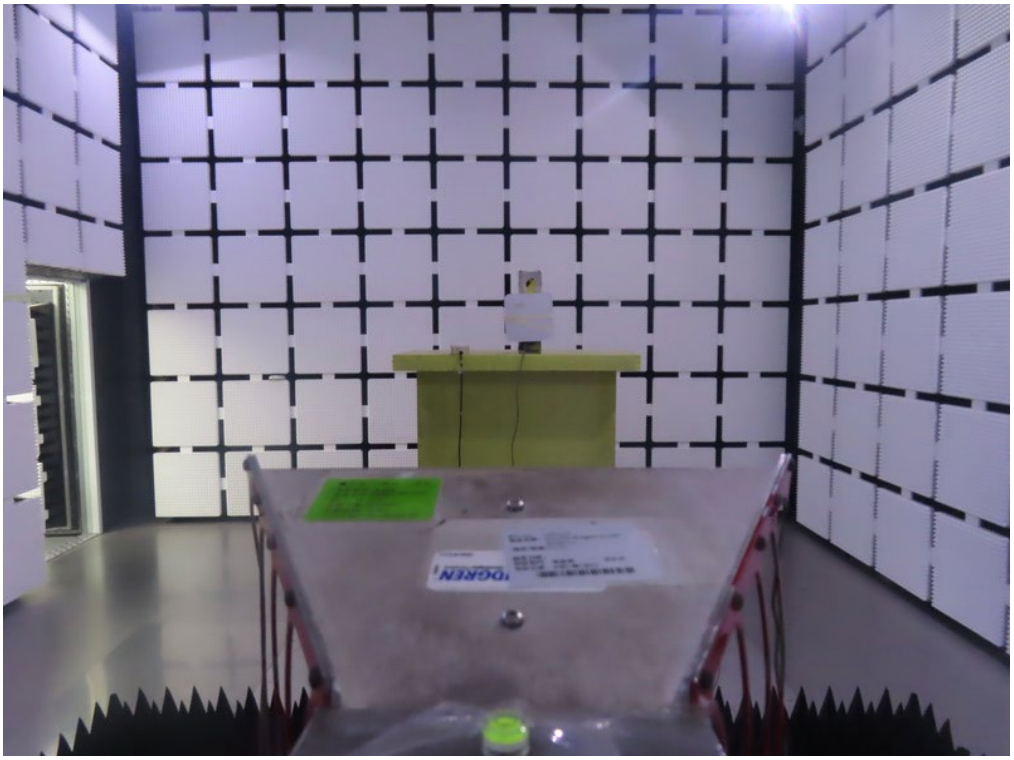




Radiated Emissions Test Photos

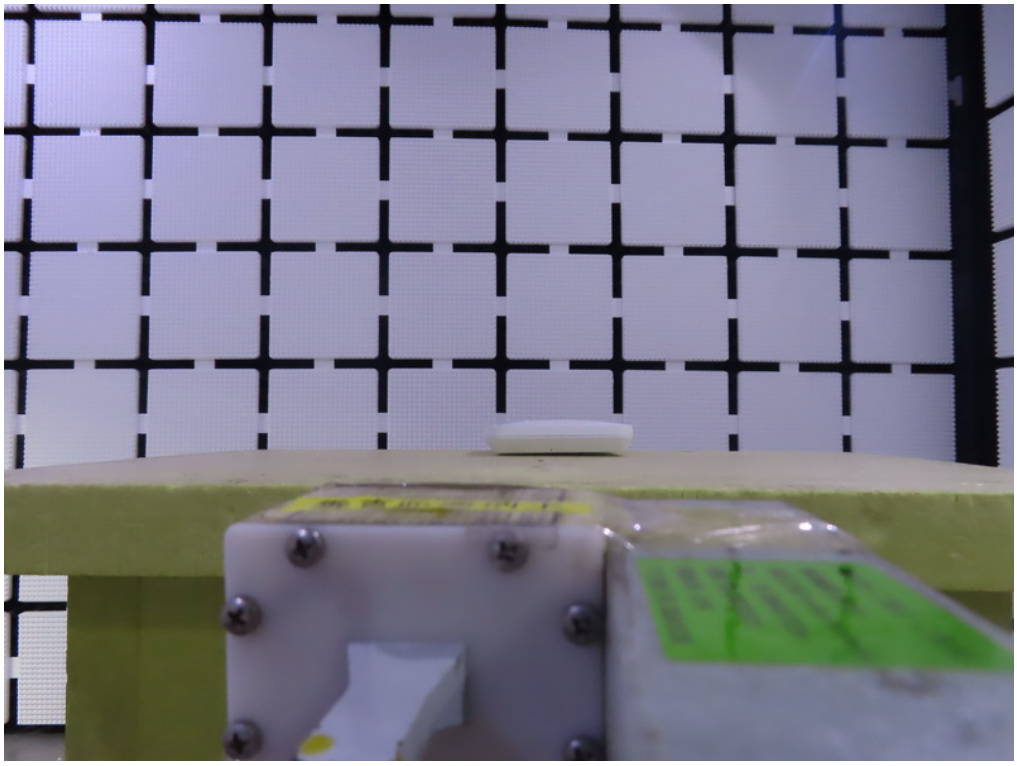
Band edge & Harmonic (1 GHz to 18 GHz)

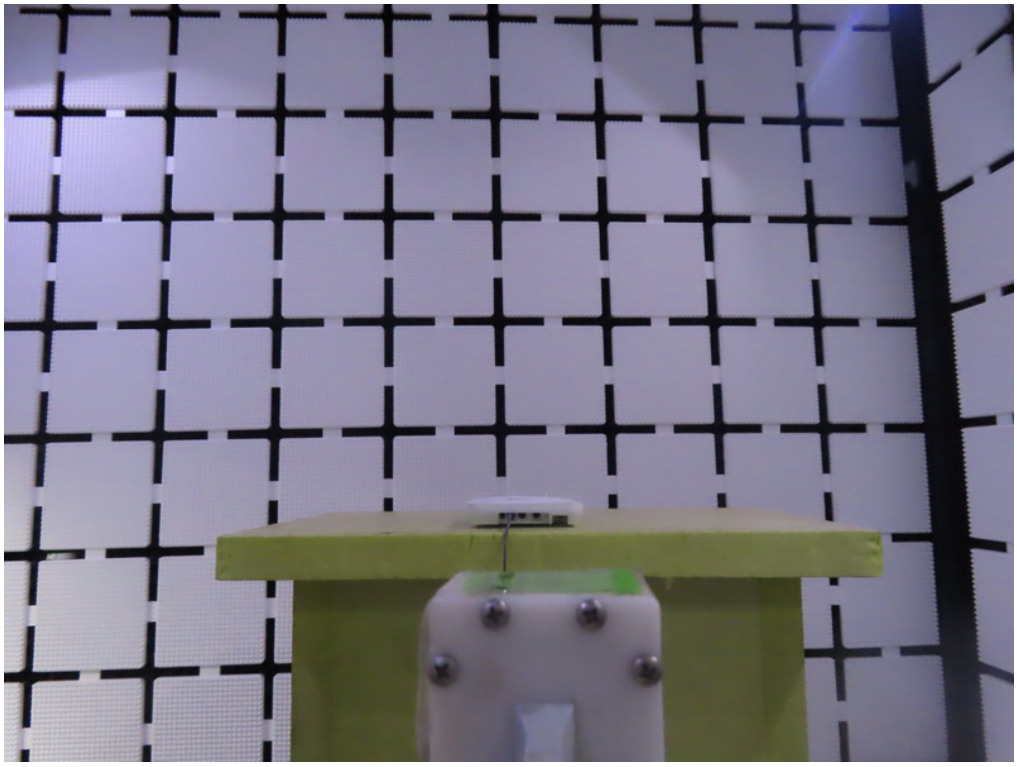




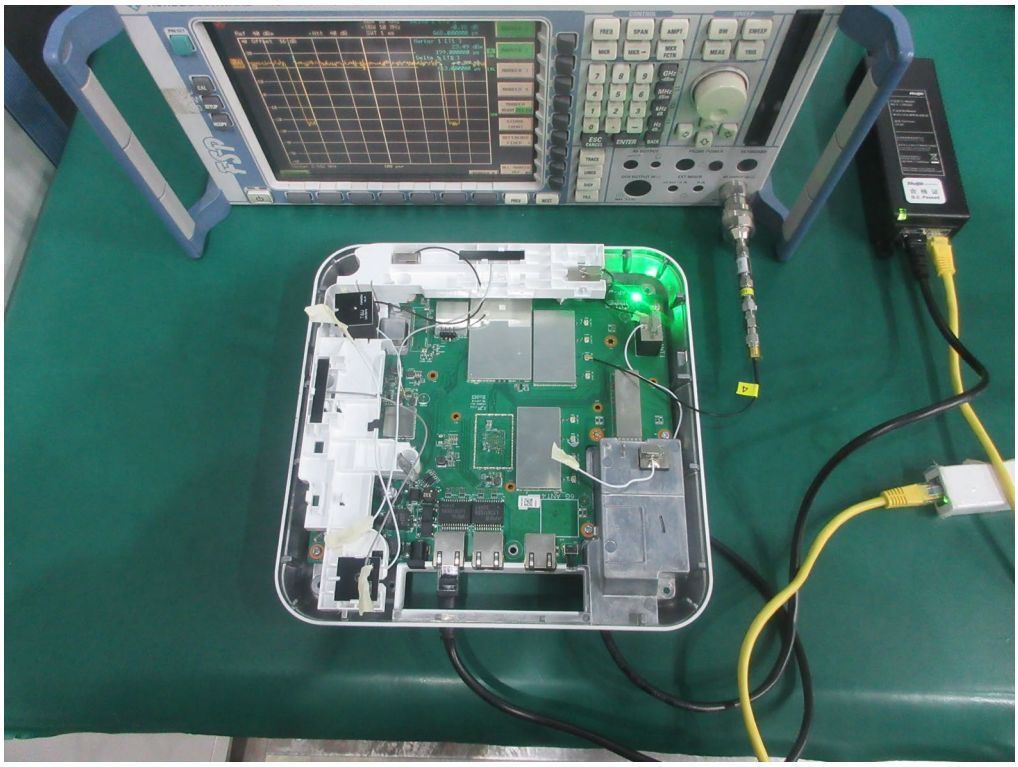
Radiated Emissions Test Photos

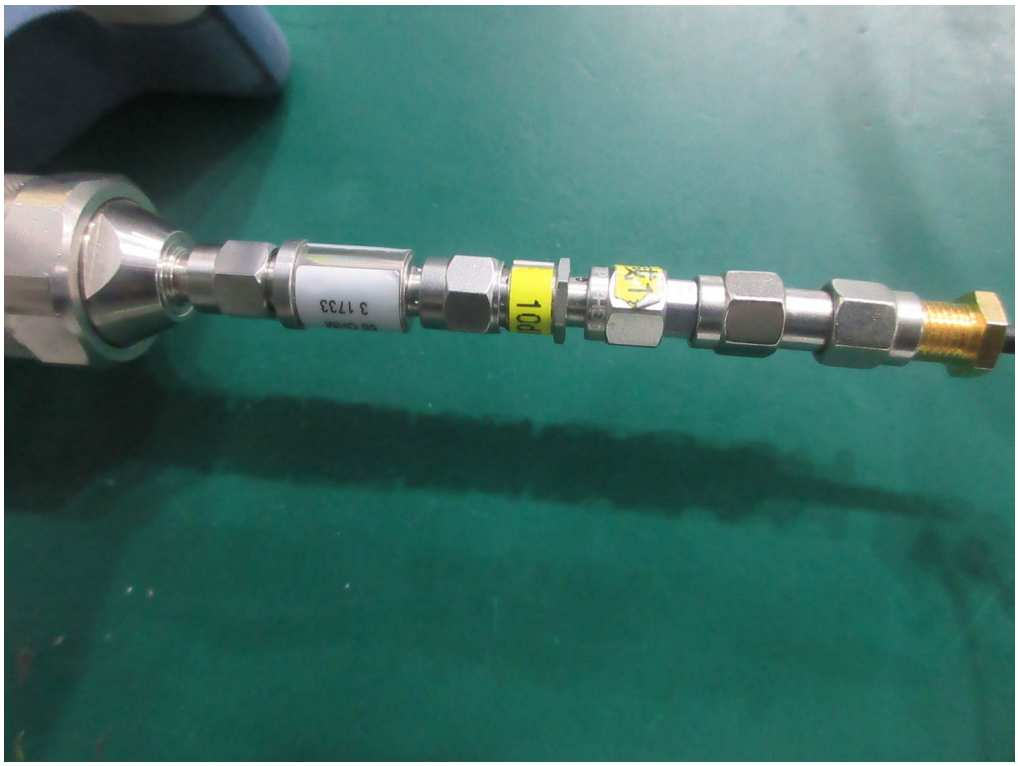
Harmonic (18 GHz to 40 GHz)





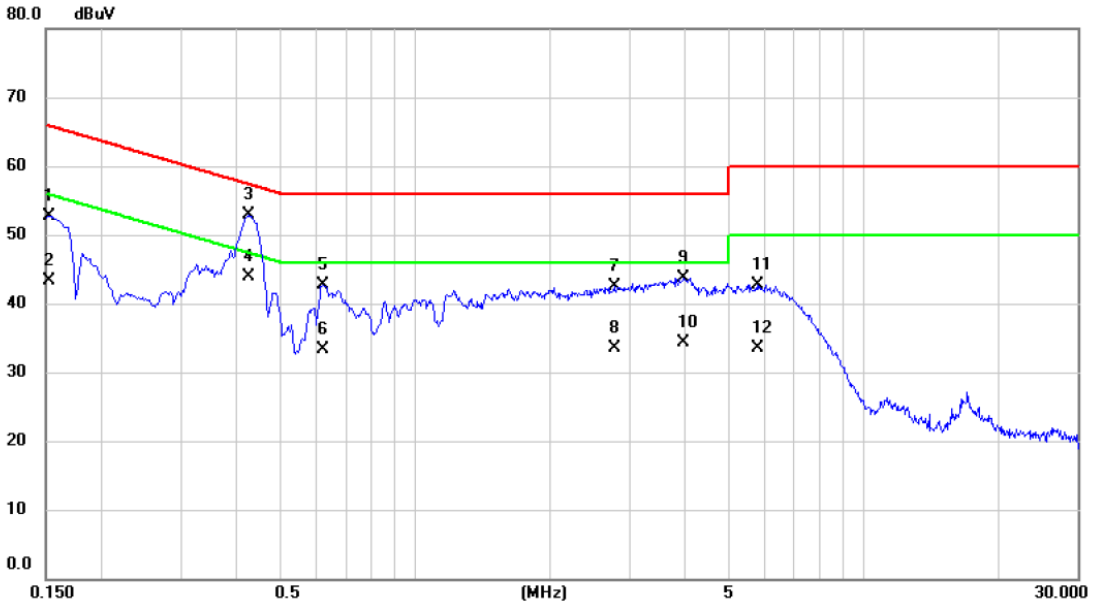
Conducted Test Photos





APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

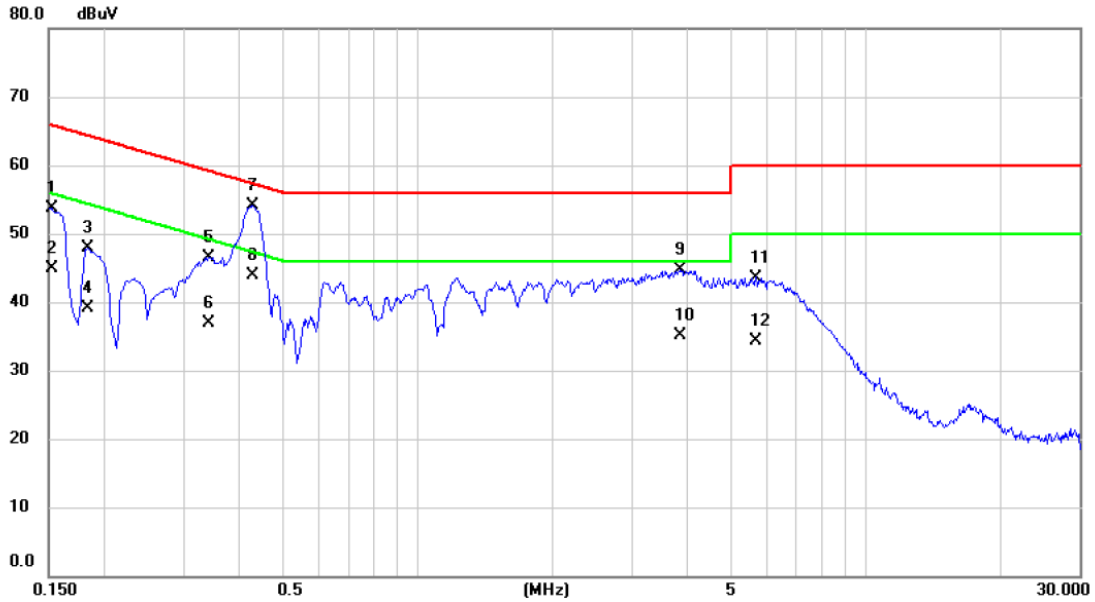
Test Mode	TX AC(VHT20) Mode Channel 157 (UNII-3)	Phase	Line



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	TX AC(VHT20) Mode Channel 157 (UNII-3)	Phase	Neutral

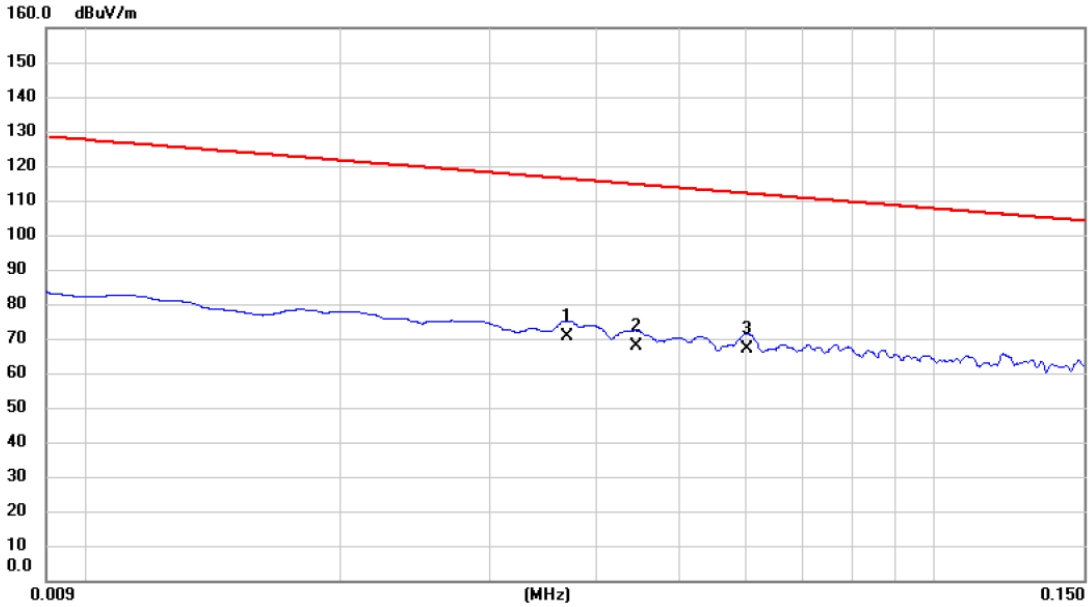


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1522	44.02	9.68	53.70	65.88	-12.18	QP	
2		0.1522	35.20	9.68	44.88	55.88	-11.00	AVG	
3		0.1836	38.16	9.69	47.85	64.32	-16.47	QP	
4		0.1836	29.40	9.69	39.09	54.32	-15.23	AVG	
5		0.3412	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

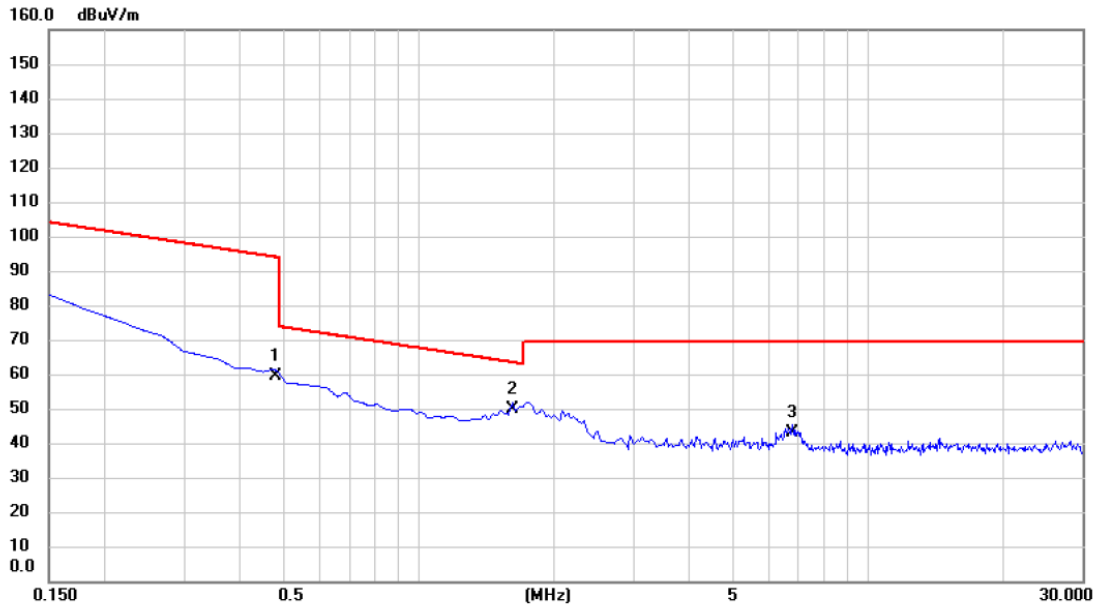
Test Mode	TX AC(VHT20) Mode Channel 157 (UNII-3)	Polarization	Ant 0°



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.

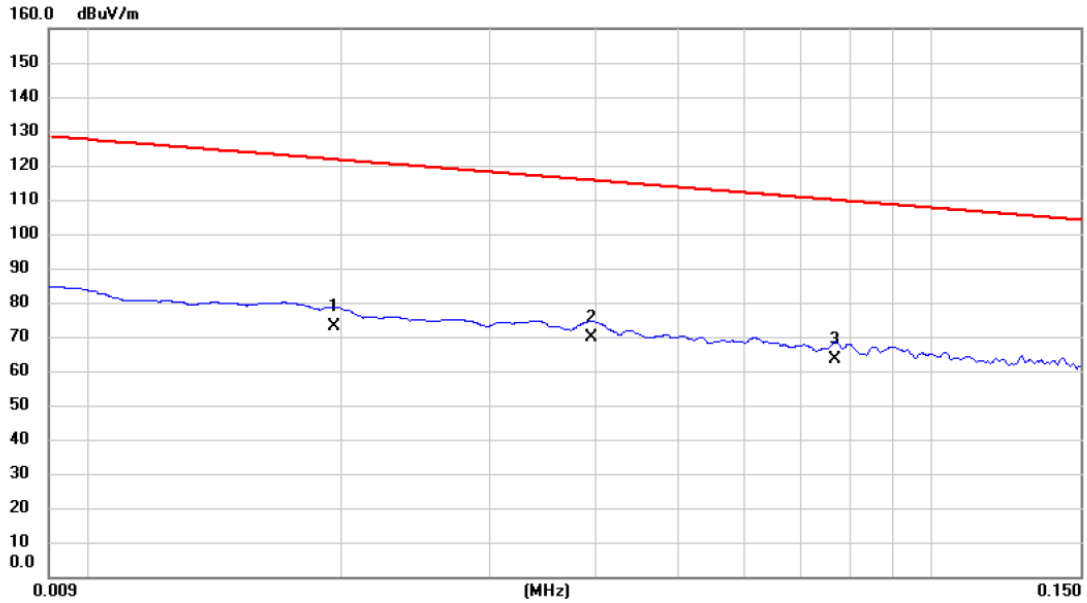
Test Mode	TX AC(VHT20) Mode Channel 157 (UNII-3)	Polarization	Ant 0°



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.

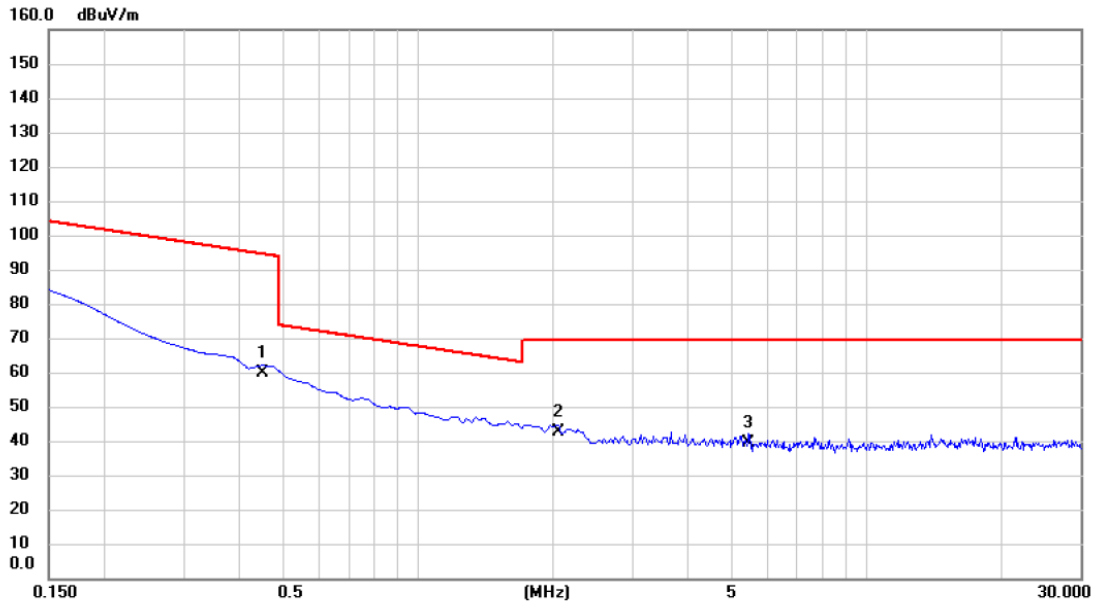
Test Mode	TX AC(VHT20) Mode Channel 157 (UNII-3)	Polarization	Ant 90°



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	TX AC(VHT20) Mode Channel 157 (UNII-3)	Polarization	Ant 90°

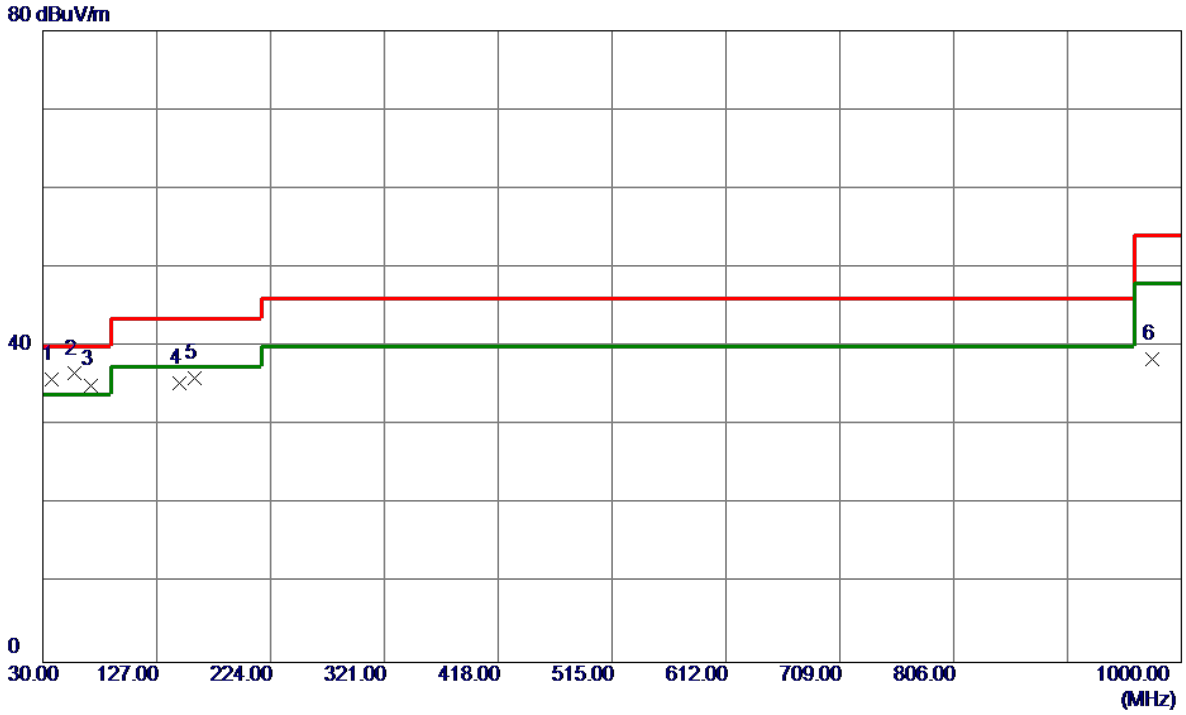


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4485	38.94	21.06	60.00	94.57	-34.57	AVG	
2	*	2.0604	21.46	21.11	42.57	69.54	-26.97	QP	
3		5.4633	18.42	21.17	39.59	69.54	-29.95	QP	

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

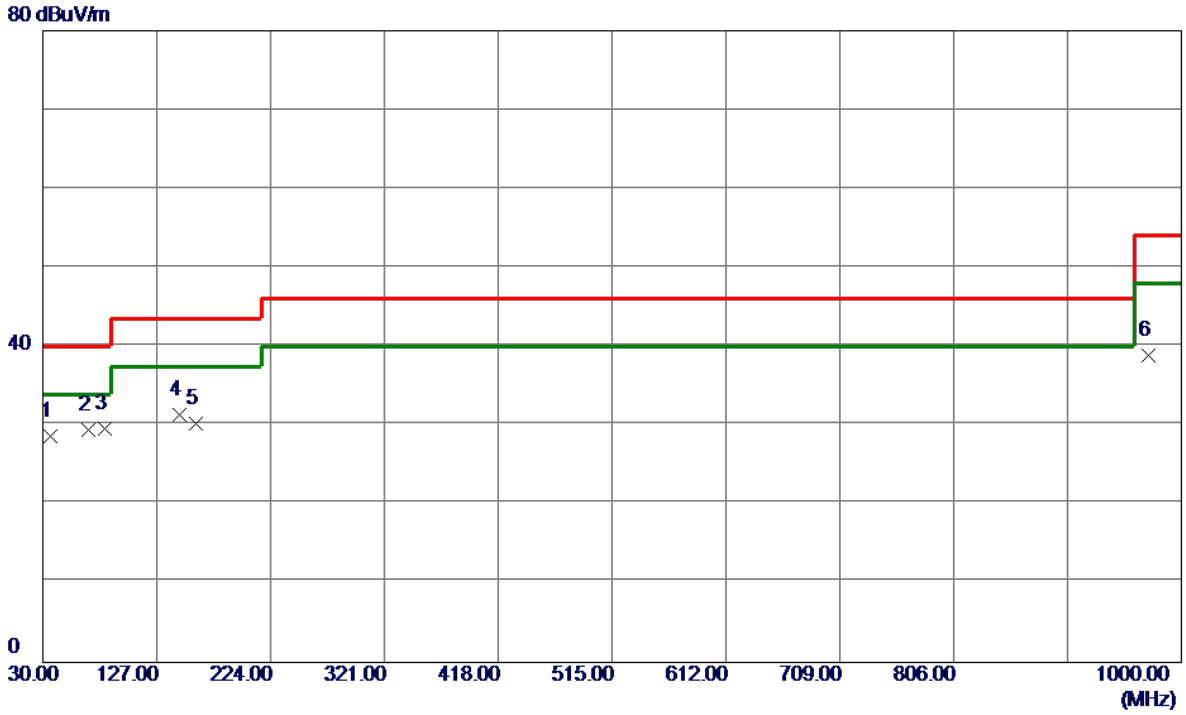
Test Mode	TX AC(VHT20) Mode Channel 157 (UNII-3)	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	37.2750	48.11	-12.22	35.89	40.00	-4.11	QP	
2 *	56.6750	48.23	-11.67	36.56	40.00	-3.44	Peak	
3	71.2250	48.84	-13.72	35.12	40.00	-4.88	QP	
4	145.9149	46.71	-11.40	35.31	43.50	-8.19	Peak	
5	159.4950	47.02	-11.06	35.96	43.50	-7.54	Peak	
6	974.7800	37.71	0.69	38.40	54.00	-15.60	Peak	

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

Test Mode	TX AC(VHT20) Mode Channel 157 (UNII-3)	Polarization	Horizontal

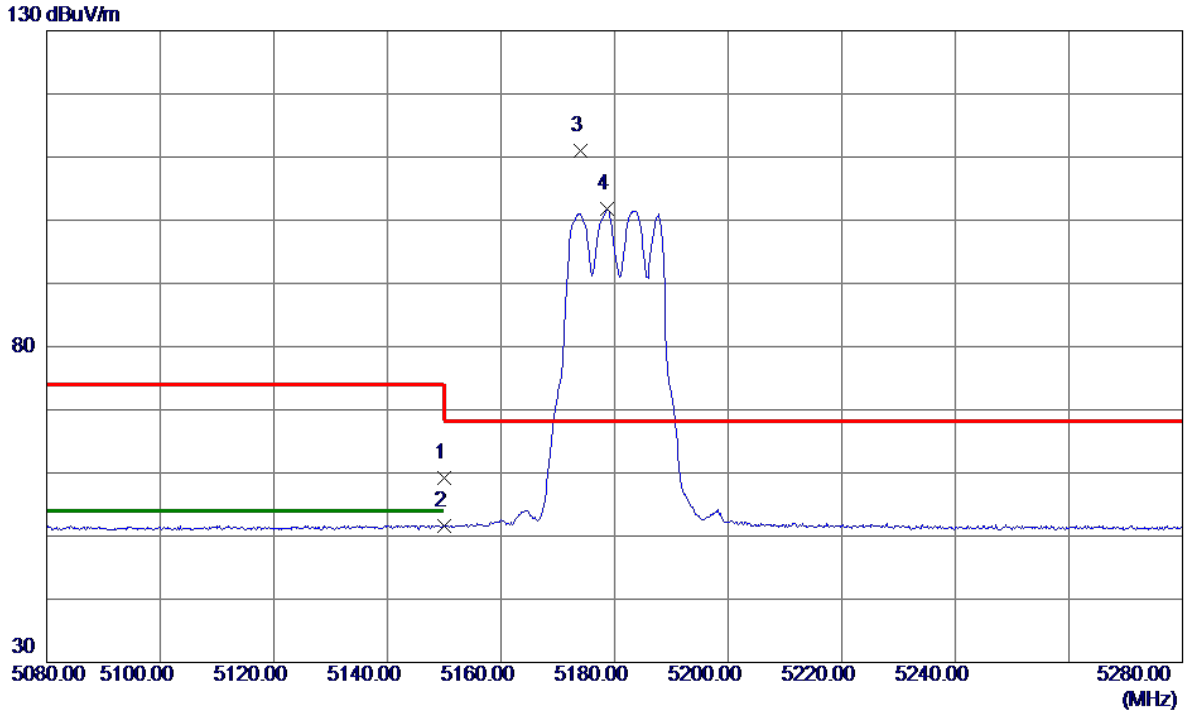


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	36.3050	40.99	-12.32	28.67	40.00	-11.33	Peak	
2	69.2850	42.74	-13.37	29.37	40.00	-10.63	Peak	
3 *	82.3800	45.77	-16.22	29.55	40.00	-10.45	Peak	
4	146.4000	42.80	-11.37	31.43	43.50	-12.07	Peak	
5	159.9800	41.27	-11.06	30.21	43.50	-13.29	Peak	
6	972.3550	38.20	0.67	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

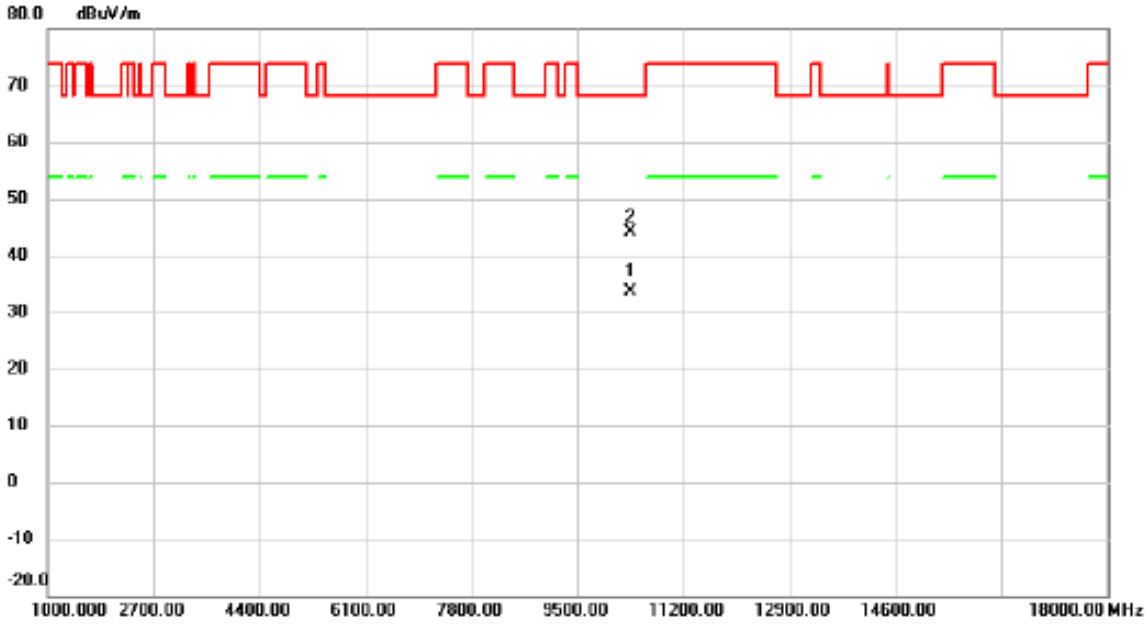
Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	47.28	11.83	59.11	74.00	-14.89	Peak	
2	5150.0000	39.73	11.83	51.56	54.00	-2.44	AVG	
3 *	5173.9000	99.15	11.88	111.03	68.20	42.83	Peak	No Limit
4	5178.7000	89.82	11.90	101.72	999.00	-897.28	AVG	No Limit

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

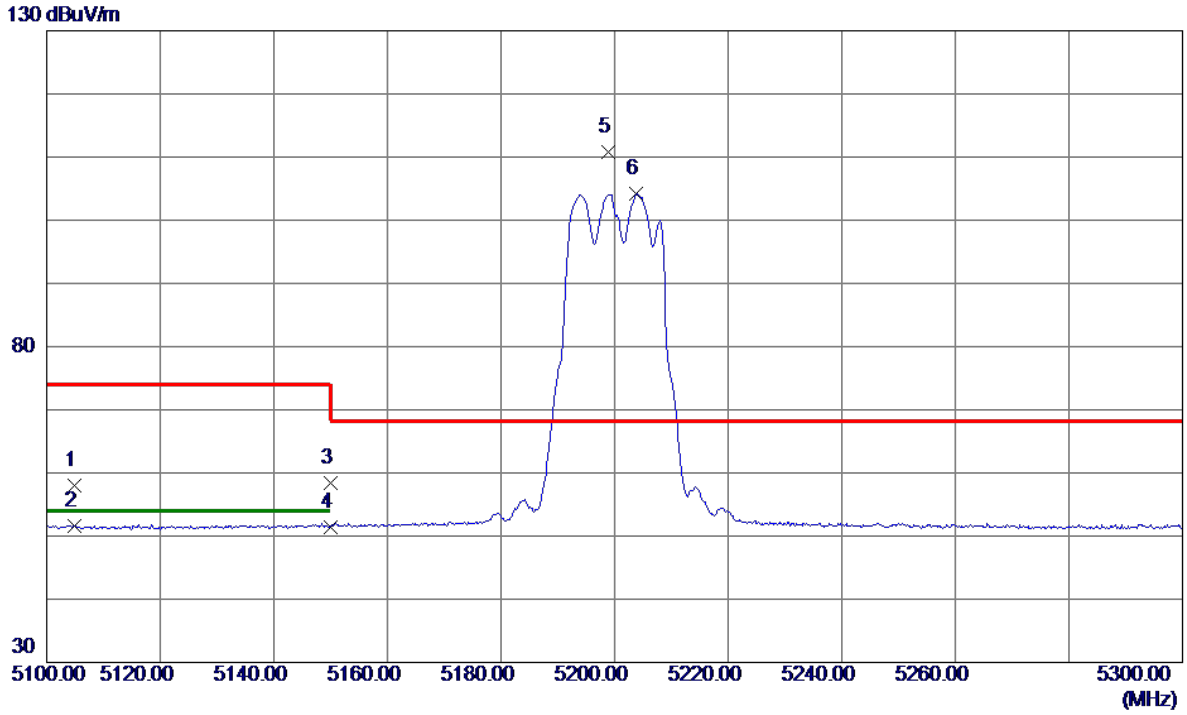
Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10356.97	25.29	8.22	33.51	68.20	-34.69	AVG	No Limit
2	*	10359.77	35.80	8.22	44.02	68.20	-24.18	peak	

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

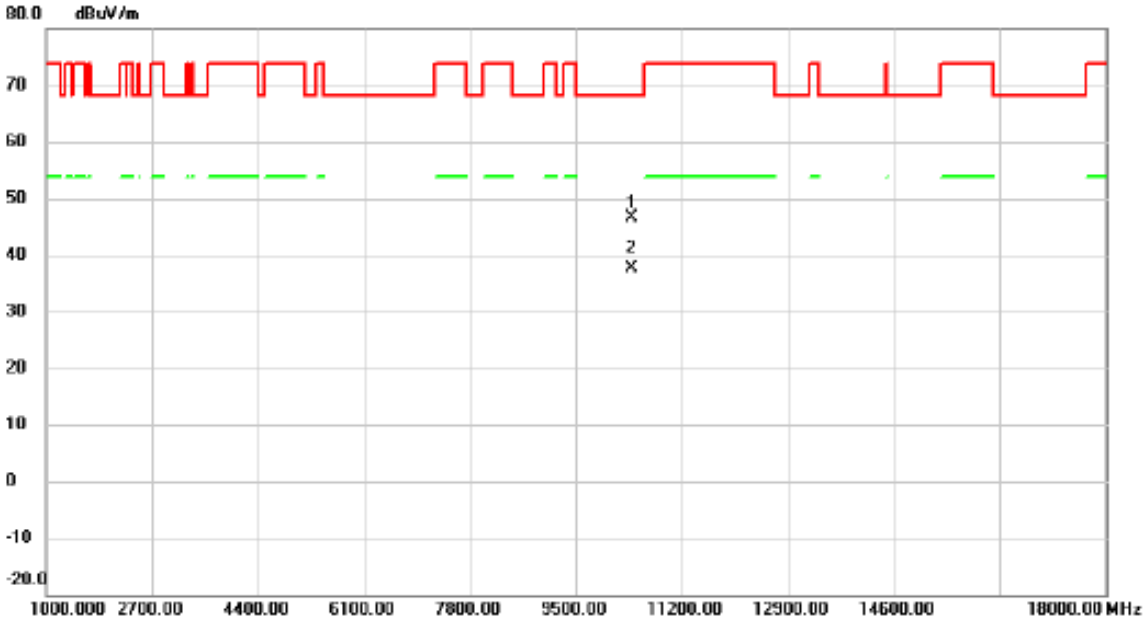
Test Mode	UNII-1_TX A Mode 5200 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5104.8000	46.23	11.73	57.96	74.00	-16.04	Peak	
2	5104.8000	39.93	11.73	51.66	54.00	-2.34	AVG	
3	5150.0000	46.55	11.83	58.38	74.00	-15.62	Peak	
4	5150.0000	39.64	11.83	51.47	54.00	-2.53	AVG	
5 *	5198.9000	98.86	11.94	110.80	68.20	42.60	Peak	No Limit
6	5203.8000	92.32	11.95	104.27	999.00	-894.73	AVG	No Limit

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

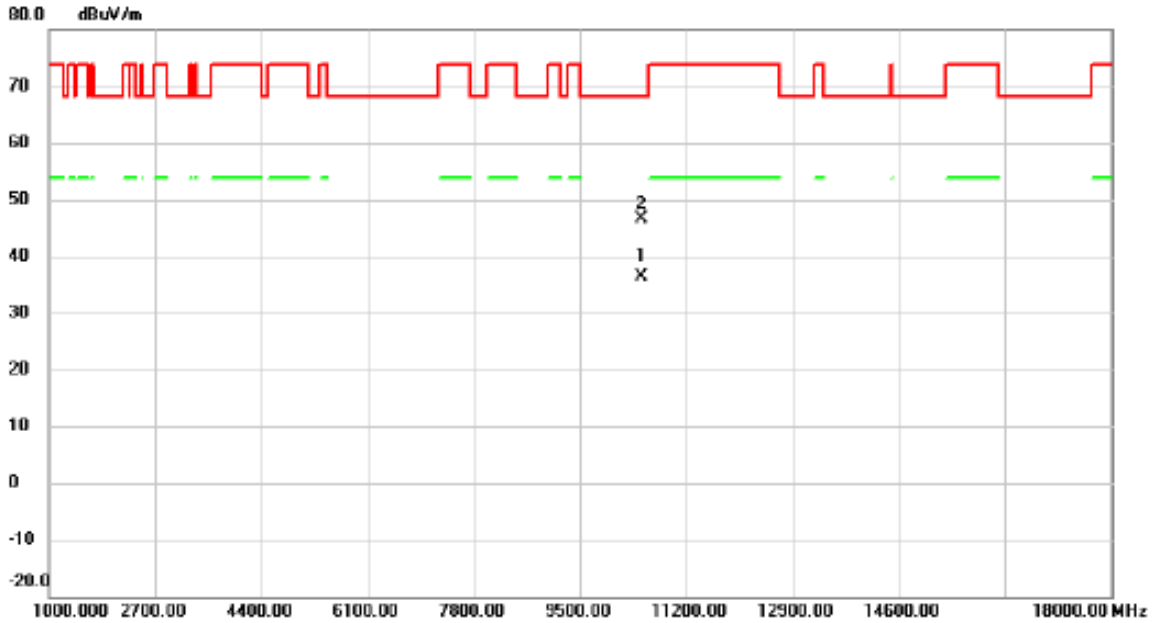
Test Mode	UNII-1_TX A Mode 5200 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10397.15	38.27	8.26	46.53	68.20	-21.67	peak	
2		10401.47	29.34	8.27	37.61	68.20	-30.59	AVG	No Limit

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

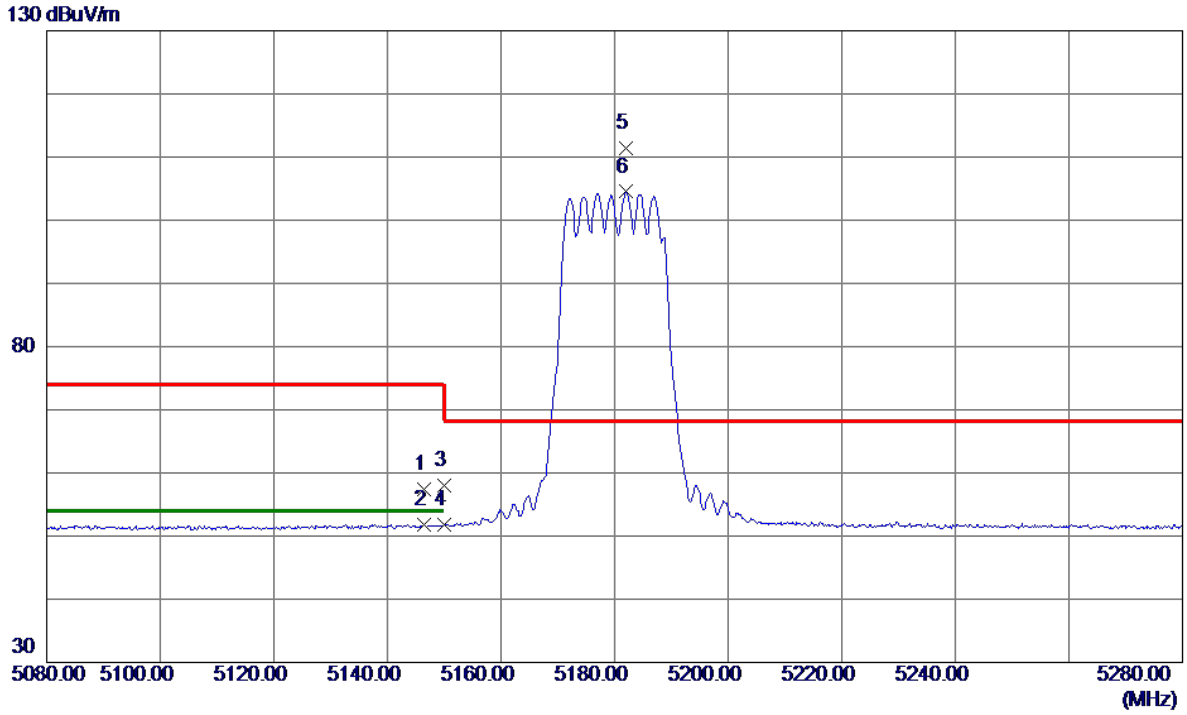
Test Mode	UNII-1_TX A Mode 5240 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10479.07	28.03	8.36	36.39	68.20	-31.81	AVG	No Limit
2	*	10479.87	38.18	8.36	46.54	68.20	-21.66	peak	

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

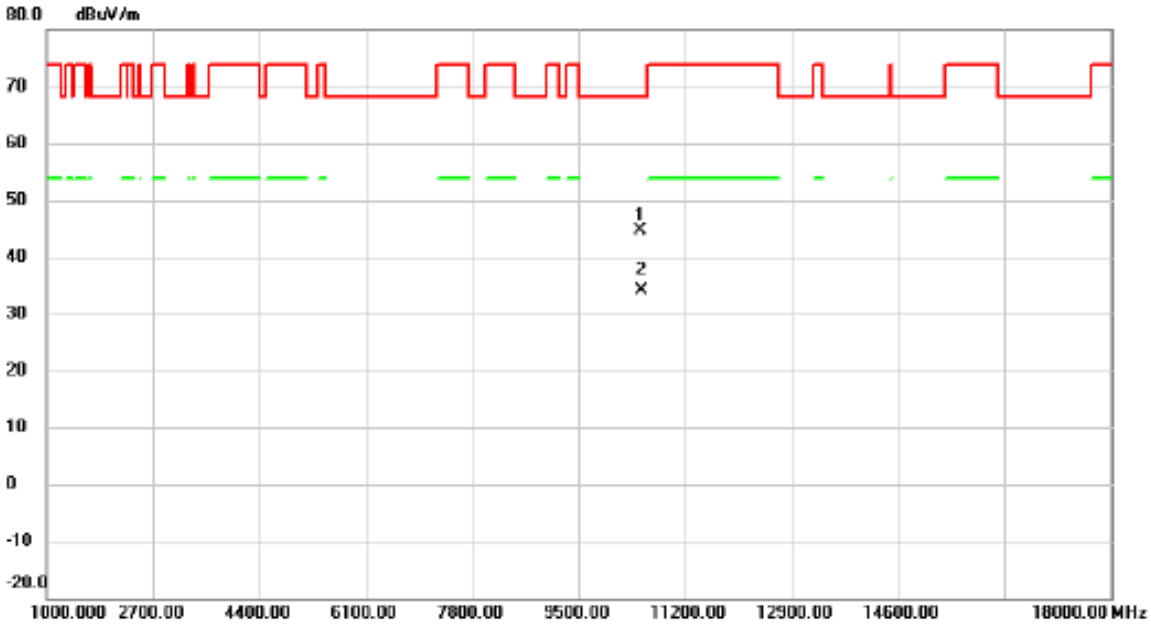
Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5146.4000	45.56	11.82	57.38	74.00	-16.62	Peak	
2	5146.4000	40.03	11.82	51.85	54.00	-2.15	AVG	
3	5150.0000	46.08	11.83	57.91	74.00	-16.09	Peak	
4	5150.0000	39.95	11.83	51.78	54.00	-2.22	AVG	
5 *	5181.9000	99.44	11.90	111.34	68.20	43.14	Peak	No Limit
6	5181.9000	92.60	11.90	104.50	999.00	-894.50	AVG	No Limit

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

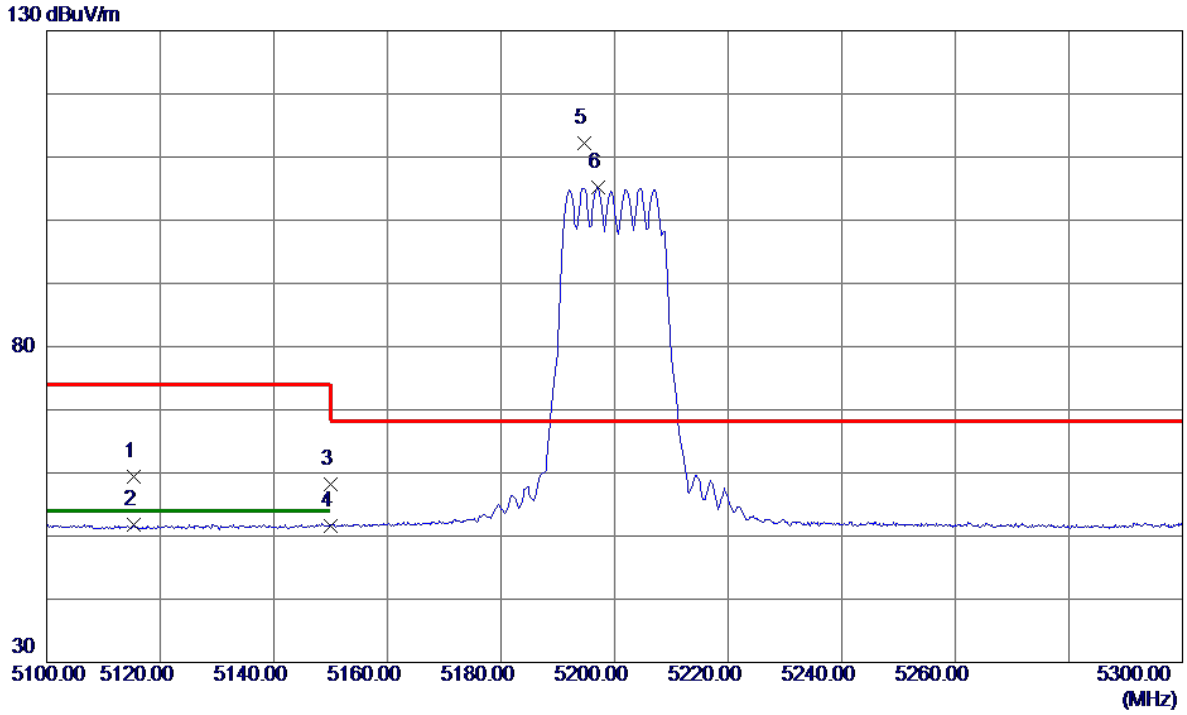
Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10495.32	36.24	8.39	44.63	68.20	-23.57	peak	
2		10497.82	25.86	8.39	34.25	68.20	-33.95	AVG	No Limit

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

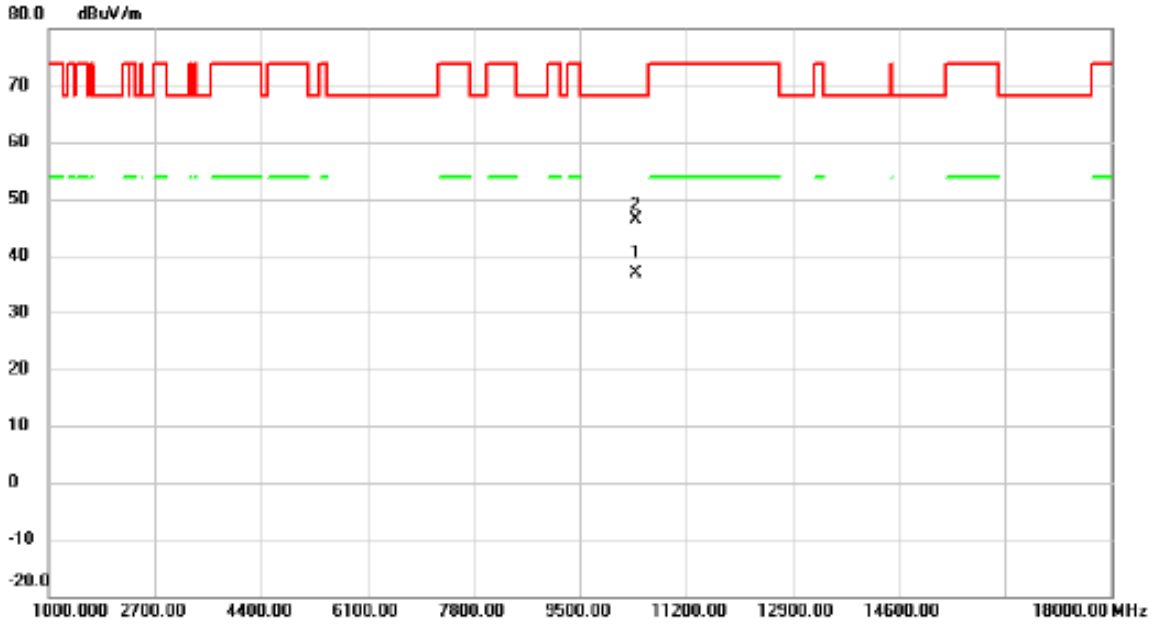
Test Mode	UNII-1_TX AC(VHT20) Mode 5200 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5115.4000	47.58	11.75	59.33	74.00	-14.67	Peak	
2	5115.4000	40.09	11.75	51.84	54.00	-2.16	AVG	
3	5150.0000	46.41	11.83	58.24	74.00	-15.76	Peak	
4	5150.0000	39.83	11.83	51.66	54.00	-2.34	AVG	
5 *	5194.7000	100.22	11.93	112.15	68.20	43.95	Peak	No Limit
6	5197.1000	93.20	11.94	105.14	999.00	-893.86	AVG	No Limit

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

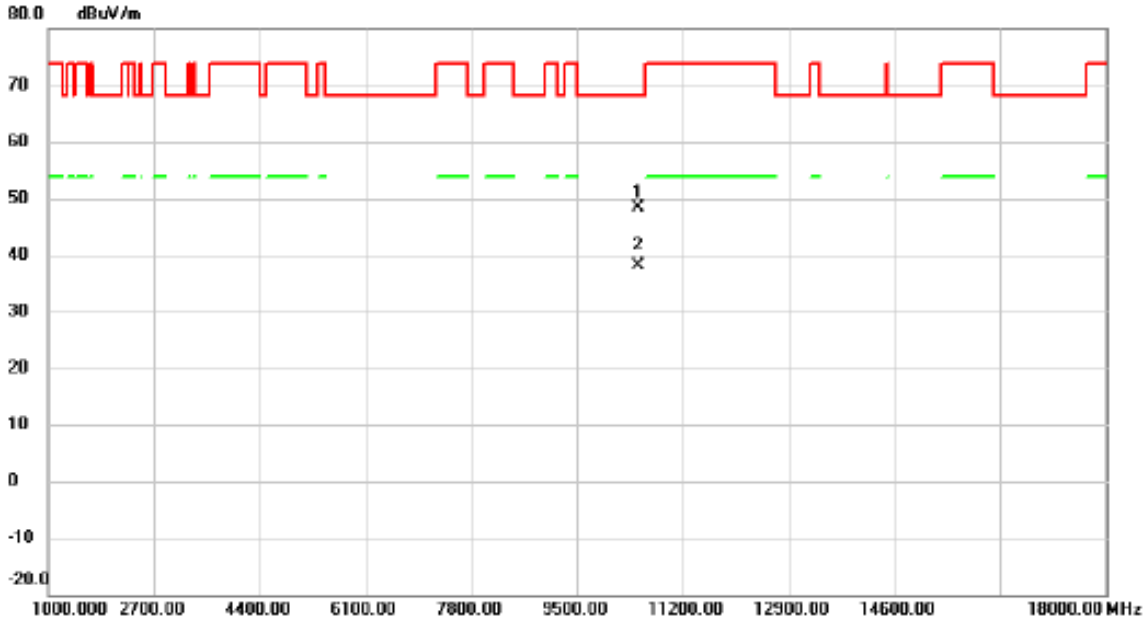
Test Mode	UNII-1_TX AC(VHT20) Mode 5200 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10401.20	28.64	8.27	36.91	68.20	-31.29	AVG	No Limit
2	*	10401.27	38.18	8.27	46.45	68.20	-21.75	peak	

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

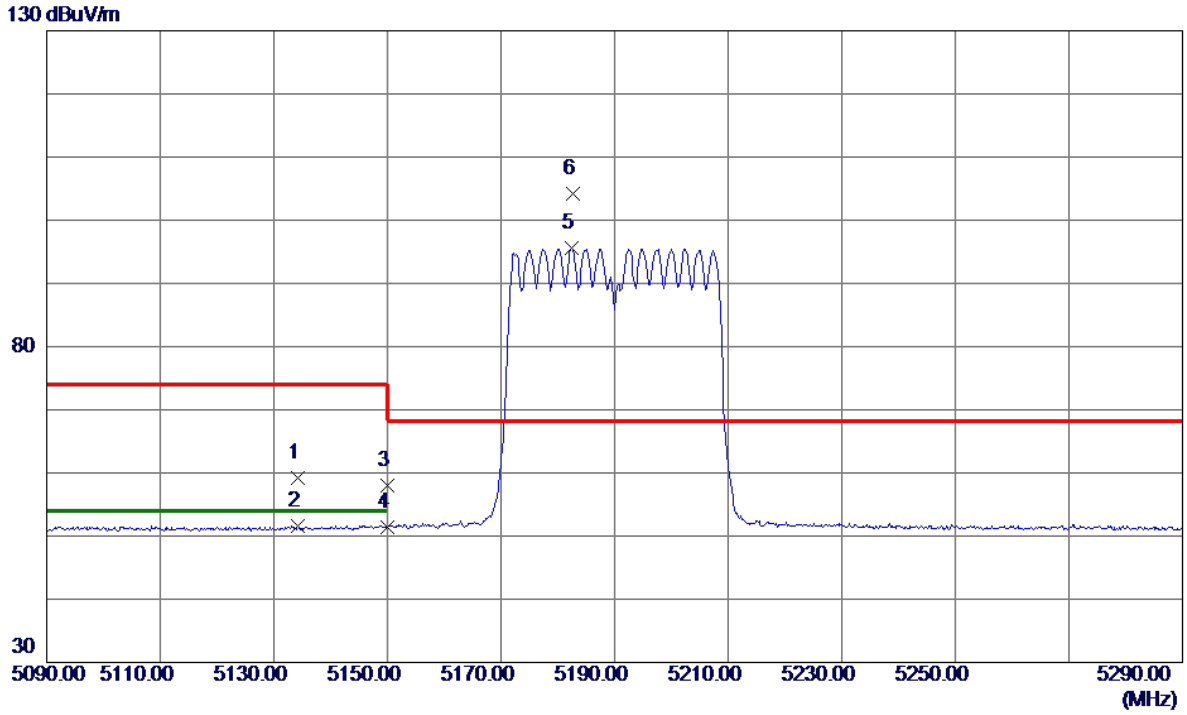
Test Mode	UNII-1_TX AC(VHT20) Mode 5240 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10476.05	39.95	8.36	48.31	68.20	-19.89	peak	
2		10481.10	29.79	8.36	38.15	68.20	-30.05	AVG	No Limit

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

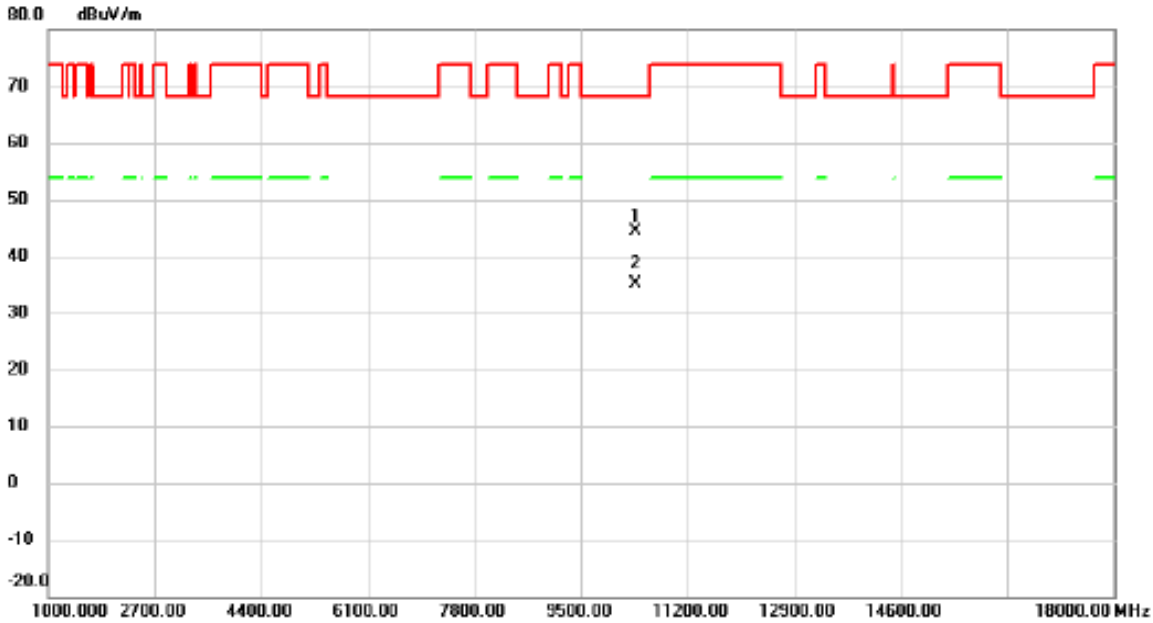
Test Mode	UNII-1_TX AC(VHT40) Mode 5190 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5134.3000	47.33	11.79	59.12	74.00	-14.88	Peak	
2	5134.3000	39.86	11.79	51.65	54.00	-2.35	AVG	
3	5150.0000	46.19	11.83	58.02	74.00	-15.98	Peak	
4	5150.0000	39.64	11.83	51.47	54.00	-2.53	AVG	
5	5182.5000	83.71	11.90	95.61	999.00	-903.39	AVG	No Limit
6 *	5182.7000	92.23	11.90	104.13	68.20	35.93	Peak	No Limit

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

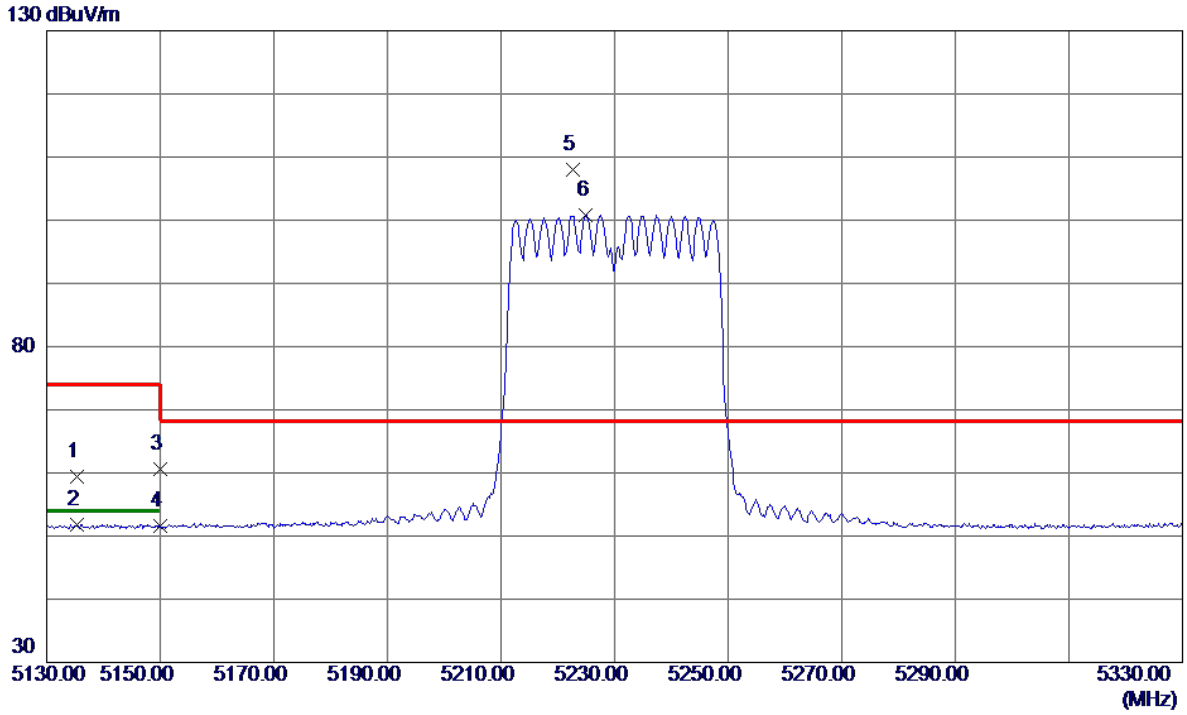
Test Mode	UNII-1_TX AC(VHT40) Mode 5190 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10378.75	36.20	8.25	44.45	68.20	-23.75	peak	
2		10383.90	26.97	8.24	35.21	68.20	-32.99	AVG	No Limit

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

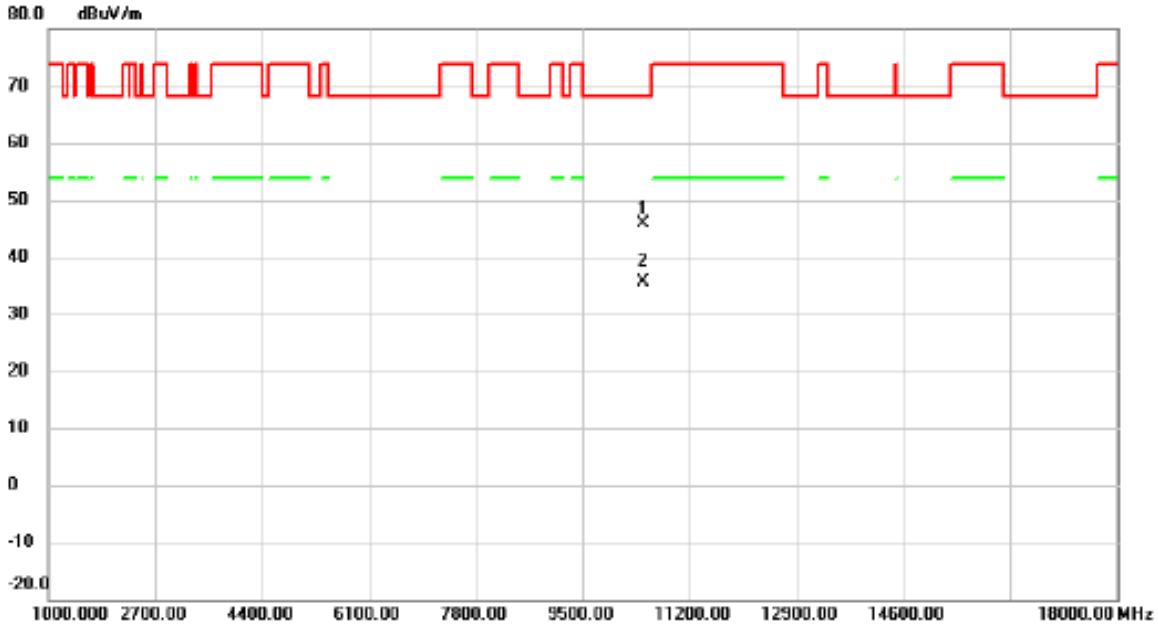
Test Mode	UNII-1_TX AC(VHT40) Mode 5230 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5135.4000	47.68	11.80	59.48	74.00	-14.52	Peak	
2	5135.4000	40.07	11.80	51.87	54.00	-2.13	AVG	
3	5150.0000	48.81	11.83	60.64	74.00	-13.36	Peak	
4	5150.0000	39.75	11.83	51.58	54.00	-2.42	AVG	
5 *	5222.6000	95.93	12.00	107.93	68.20	39.73	Peak	No Limit
6	5225.0000	88.89	12.00	100.89	999.00	-898.11	AVG	No Limit

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

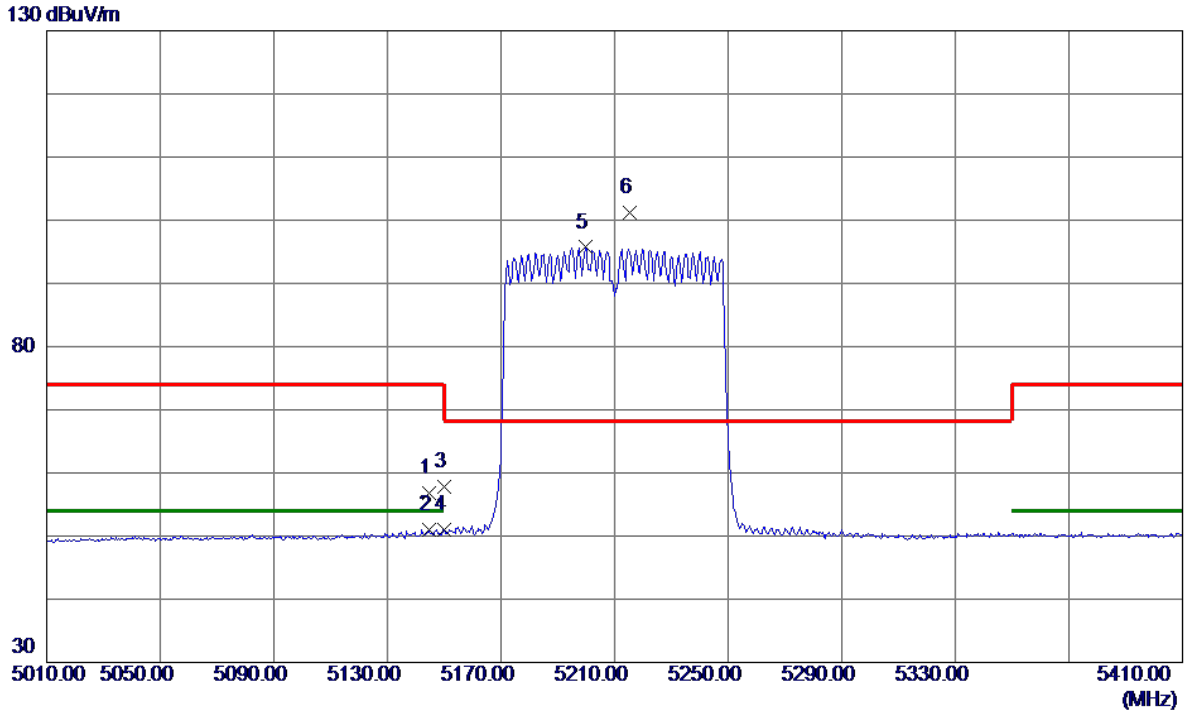
Test Mode	UNII-1_TX AC(VHT40) Mode 5230 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10459.55	37.45	8.35	45.80	68.20	-22.40	peak	
2		10461.05	27.26	8.34	35.60	68.20	-32.60	AVG	No Limit

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

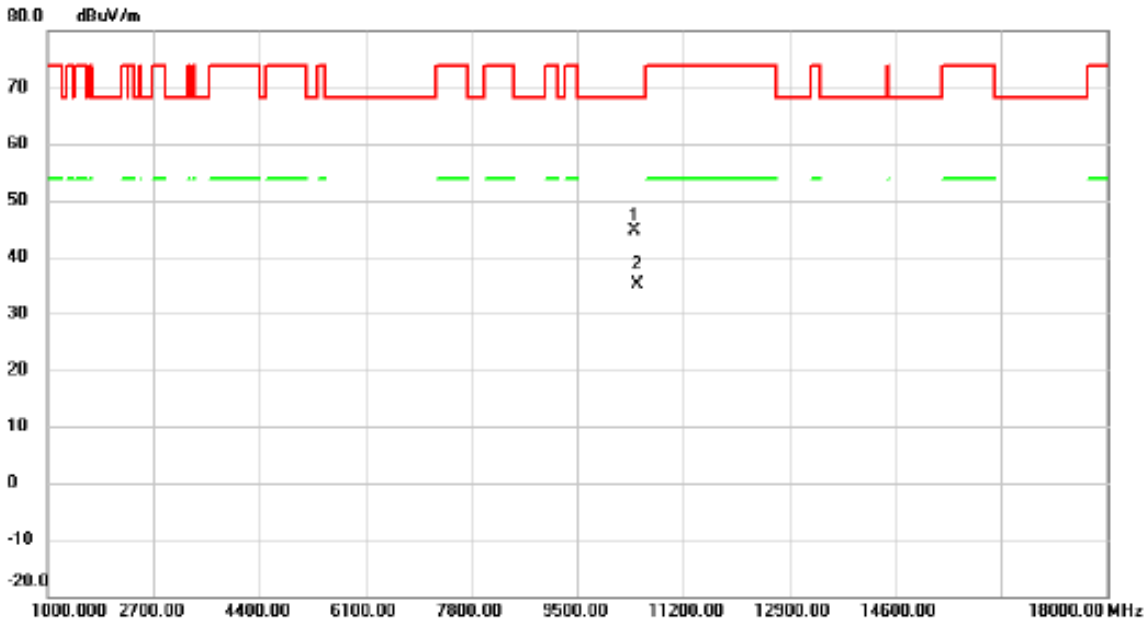
Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5144.6000	45.04	11.82	56.86	74.00	-17.14	Peak	
2	5144.6000	39.17	11.82	50.99	54.00	-3.01	AVG	
3	5150.0000	45.95	11.83	57.78	74.00	-16.22	Peak	
4	5150.0000	39.12	11.83	50.95	54.00	-3.05	AVG	
5	5199.8000	83.76	11.94	95.70	999.00	-903.30	AVG	No Limit
6 *	5215.2000	89.15	11.98	101.13	68.20	32.93	Peak	No Limit

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

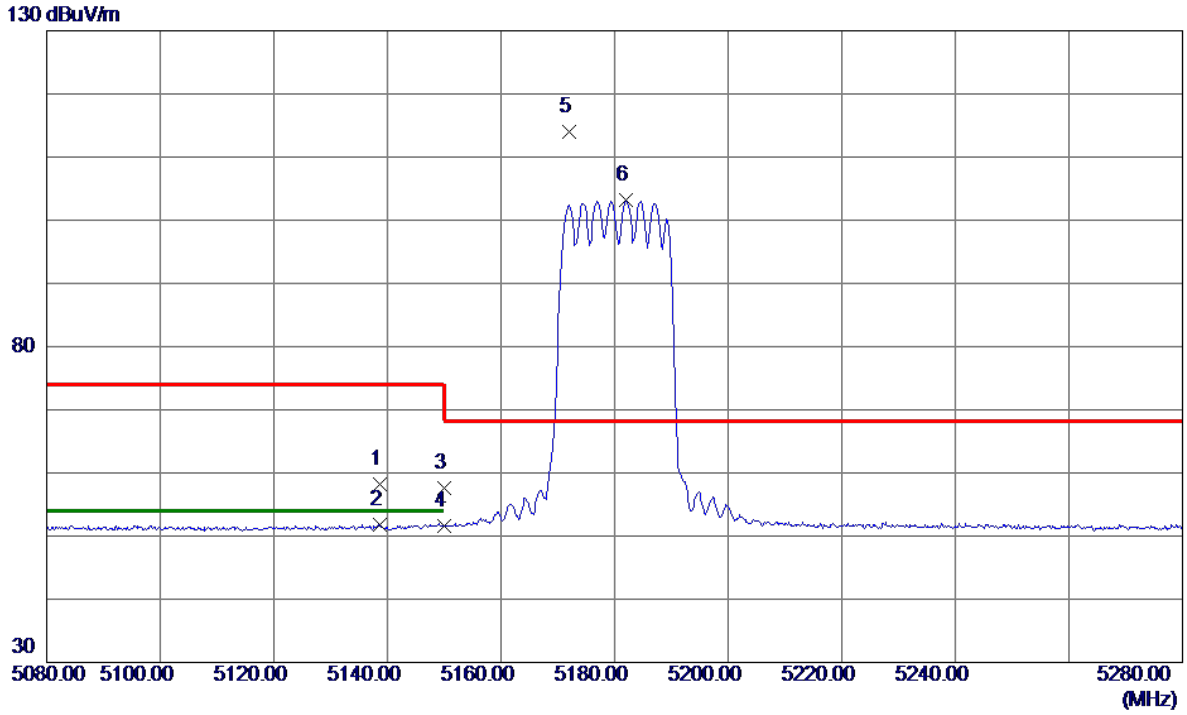
Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10426.90	36.25	8.31	44.56	68.20	-23.64	peak	
2		10458.60	26.69	8.34	35.03	68.20	-33.17	AVG	No Limit

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

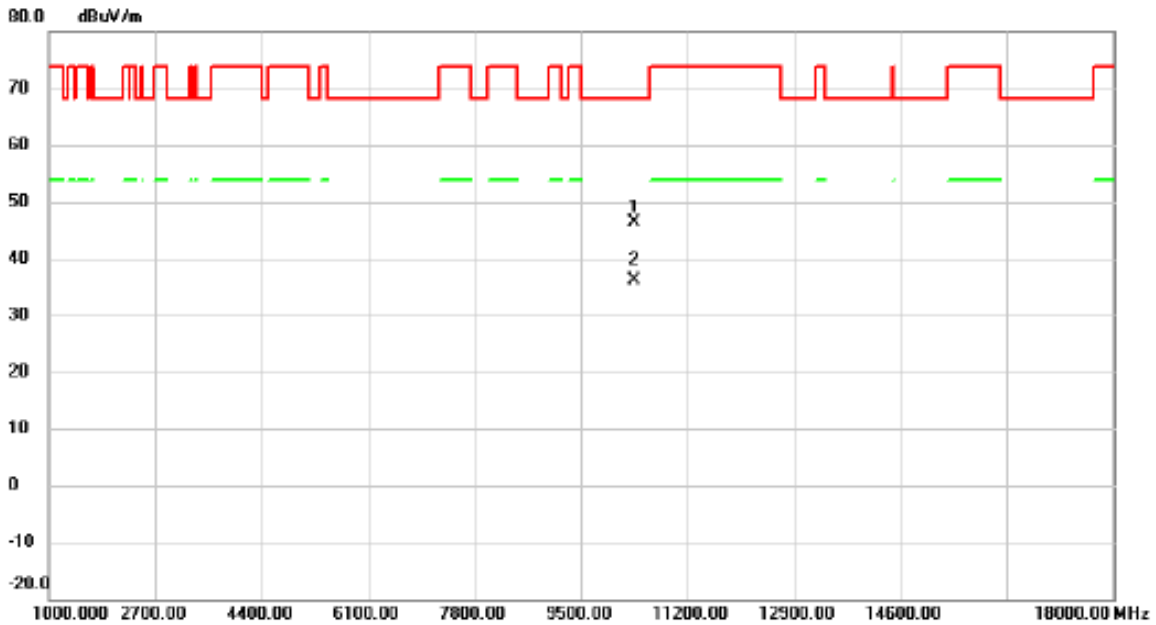
Test Mode	UNII-1_TX AX(HE20) Mode 5180 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5138.6000	46.38	11.80	58.18	74.00	-15.82	Peak	
2	5138.6000	40.01	11.80	51.81	54.00	-2.19	AVG	
3	5150.0000	45.83	11.83	57.66	74.00	-16.34	Peak	
4	5150.0000	39.70	11.83	51.53	54.00	-2.47	AVG	
5 *	5172.0000	102.11	11.88	113.99	68.20	45.79	Peak	No Limit
6	5182.1000	91.23	11.90	103.13	999.00	-895.87	AVG	No Limit

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

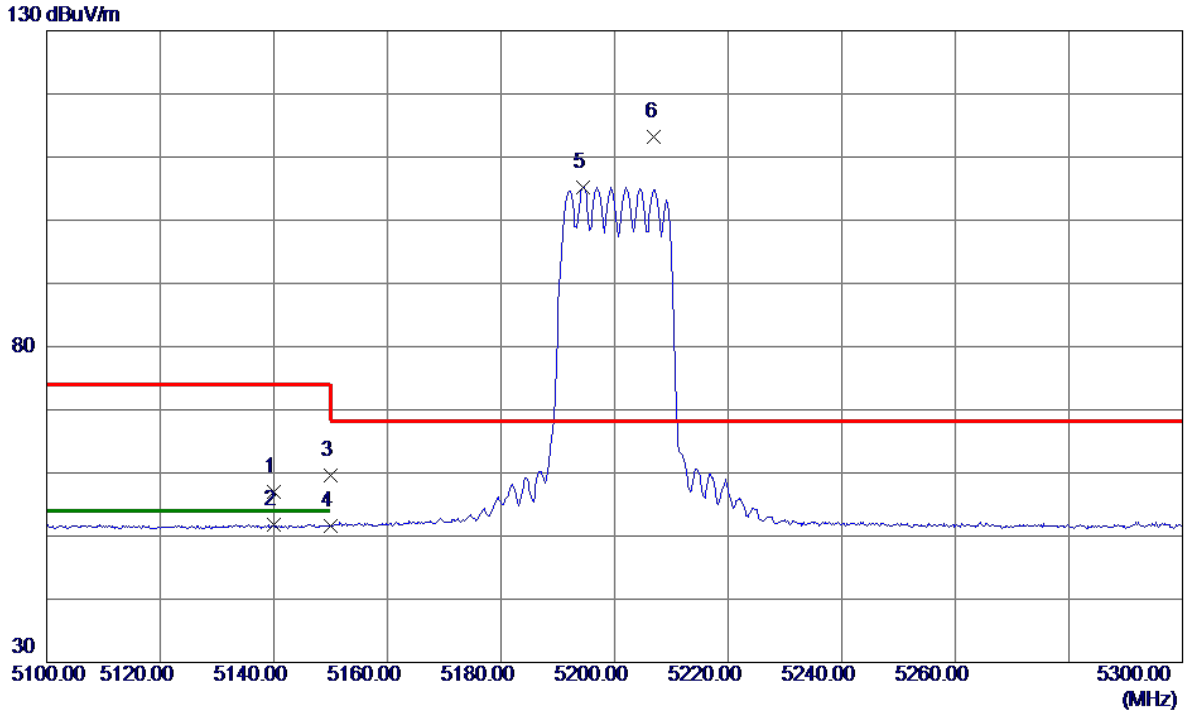
Test Mode	UNII-1_TX AX(HE20) Mode 5180 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10348.50	38.25	8.20	46.45	68.20	-21.75	peak	
2		10358.82	27.90	8.22	36.12	68.20	-32.08	AVG	No Limit

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

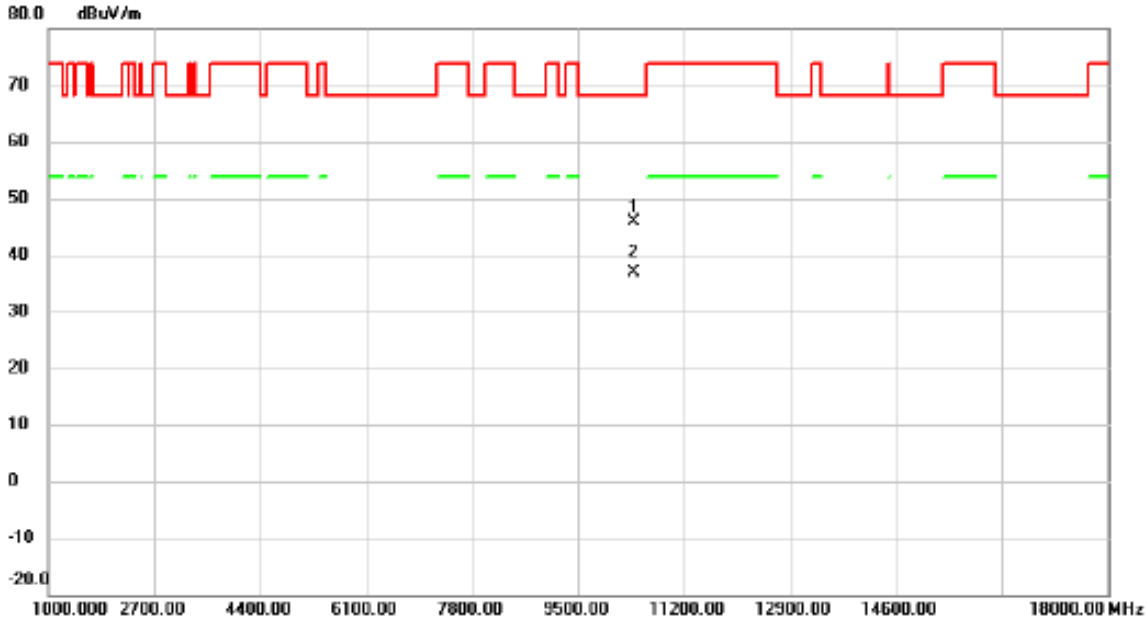
Test Mode	UNII-1_TX AX(HE20) Mode 5200 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5140.0000	45.19	11.81	57.00	74.00	-17.00	Peak	
2	5140.0000	40.04	11.81	51.85	54.00	-2.15	AVG	
3	5150.0000	47.73	11.83	59.56	74.00	-14.44	Peak	
4	5150.0000	39.76	11.83	51.59	54.00	-2.41	AVG	
5	5194.4000	93.26	11.93	105.19	999.00	-893.81	AVG	No Limit
6 *	5207.0000	101.31	11.96	113.27	68.20	45.07	Peak	No Limit

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

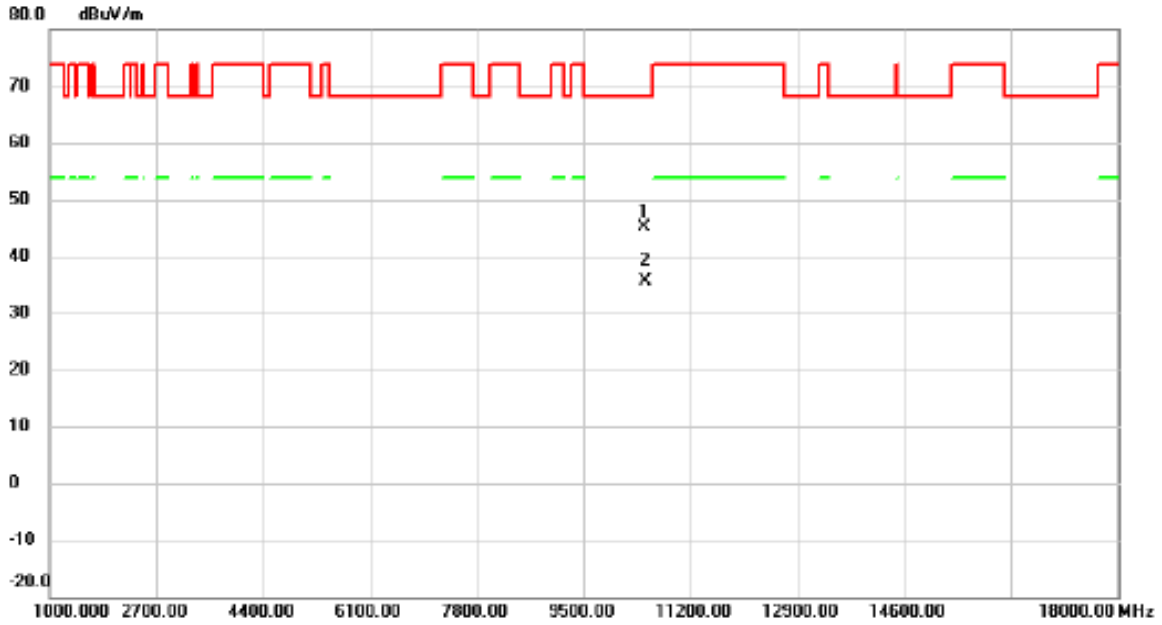
Test Mode	UNII-1_TX AX(HE20) Mode 5200 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10398.77	37.58	8.26	45.84	68.20	-22.36	peak	
2		10398.90	28.70	8.26	36.96	68.20	-31.24	AVG	No Limit

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

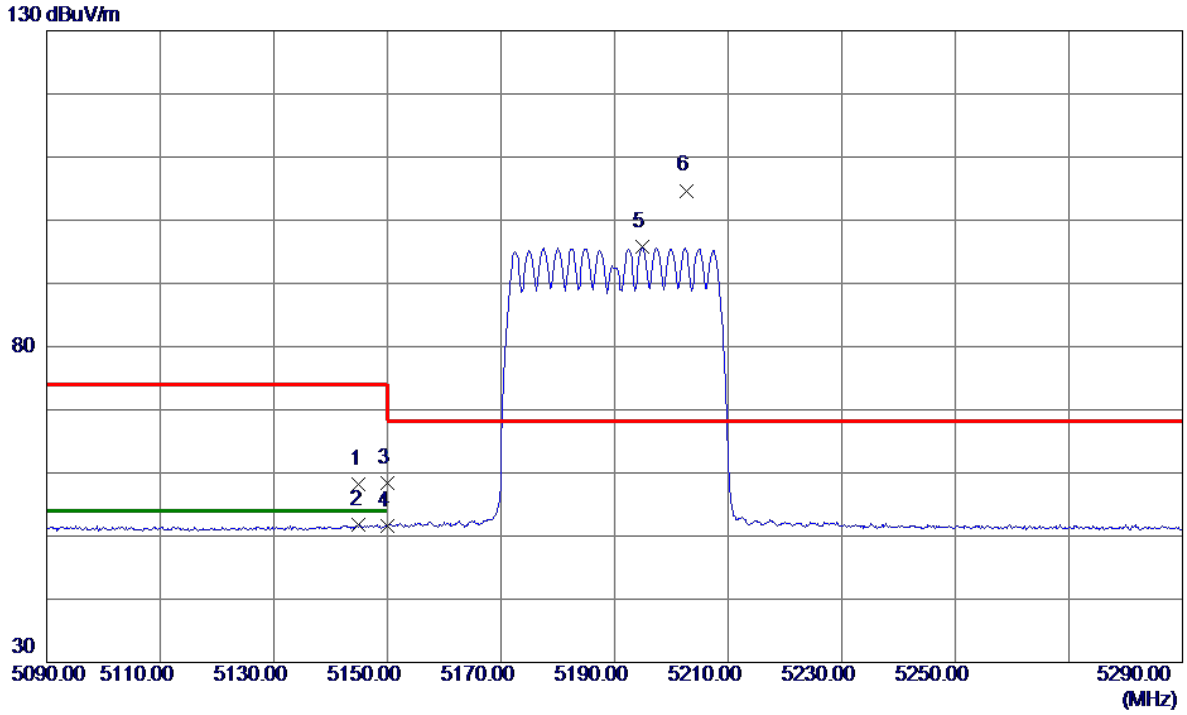
Test Mode	UNII-1_TX AX(HE20) Mode 5240 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10474.17	36.81	8.36	45.17	68.20	-23.03	peak	
2		10481.32	27.34	8.36	35.70	68.20	-32.50	AVG	No Limit

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

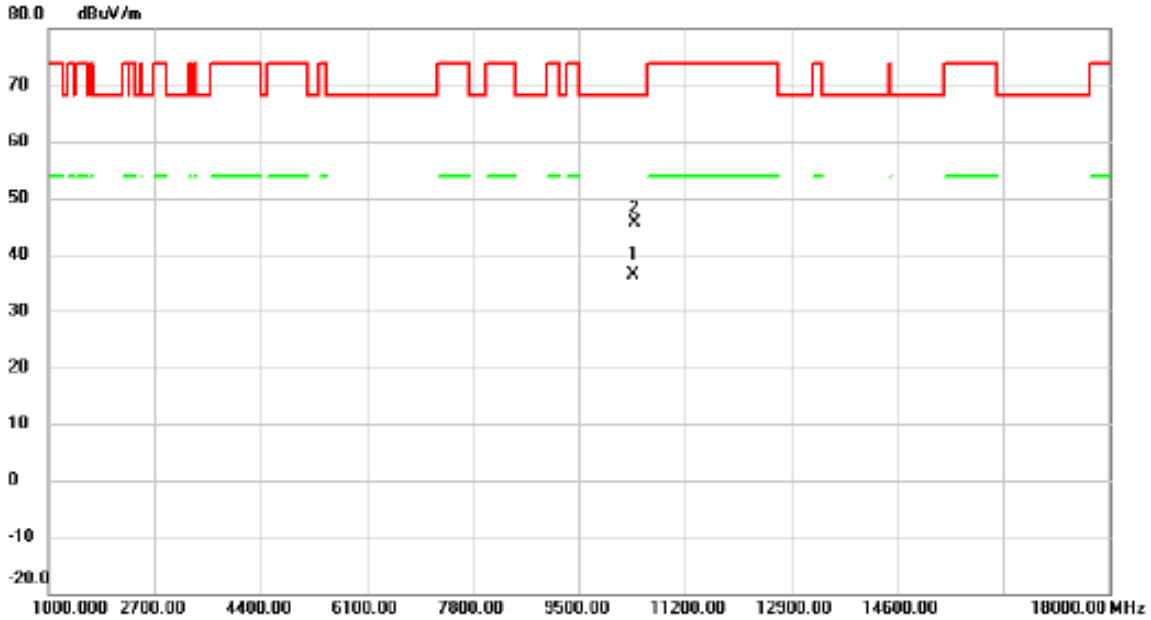
Test Mode	UNII-1_TX AX(HE40) Mode 5190 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5145.0000	46.40	11.82	58.22	74.00	-15.78	Peak	
2	5145.0000	39.96	11.82	51.78	54.00	-2.22	AVG	
3	5150.0000	46.57	11.83	58.40	74.00	-15.60	Peak	
4	5150.0000	39.70	11.83	51.53	54.00	-2.47	AVG	
5	5194.9000	83.89	11.93	95.82	999.00	-903.18	AVG	No Limit
6 *	5202.6000	92.75	11.95	104.70	68.20	36.50	Peak	No Limit

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

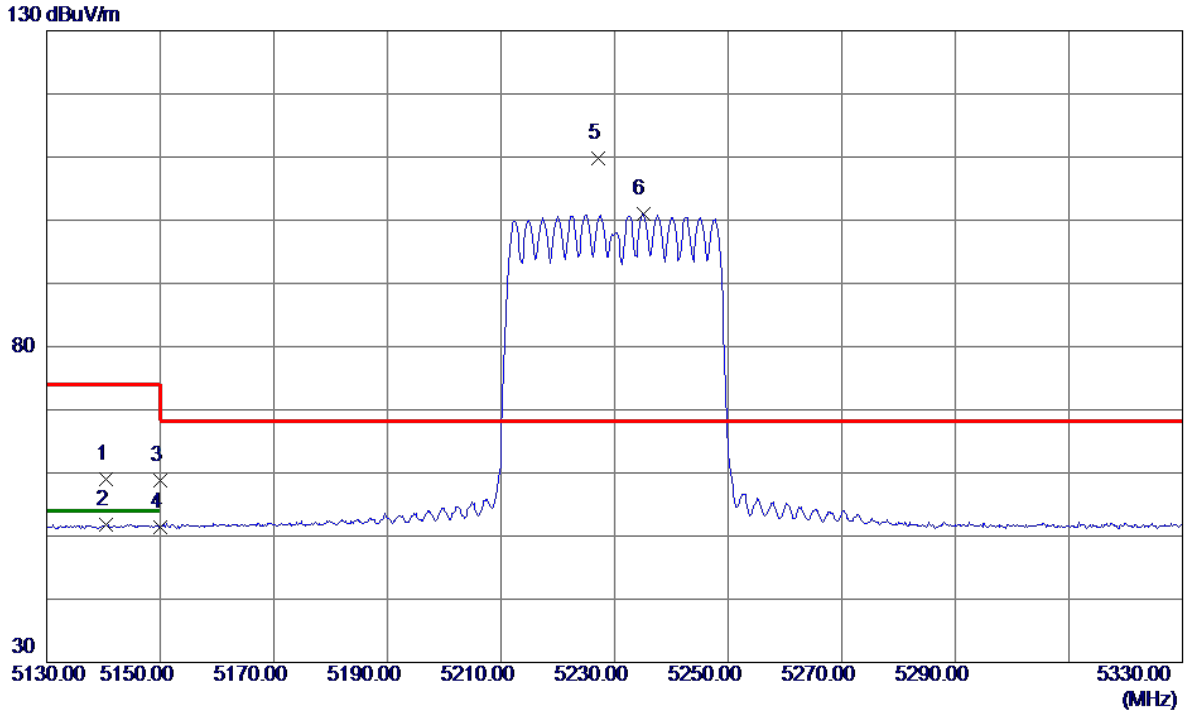
Test Mode	UNII-1_TX AX(HE40) Mode 5190 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10383.75	28.18	8.24	36.42	68.20	-31.78	AVG	No Limit
2	*	10396.80	37.48	8.26	45.74	68.20	-22.46	peak	

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

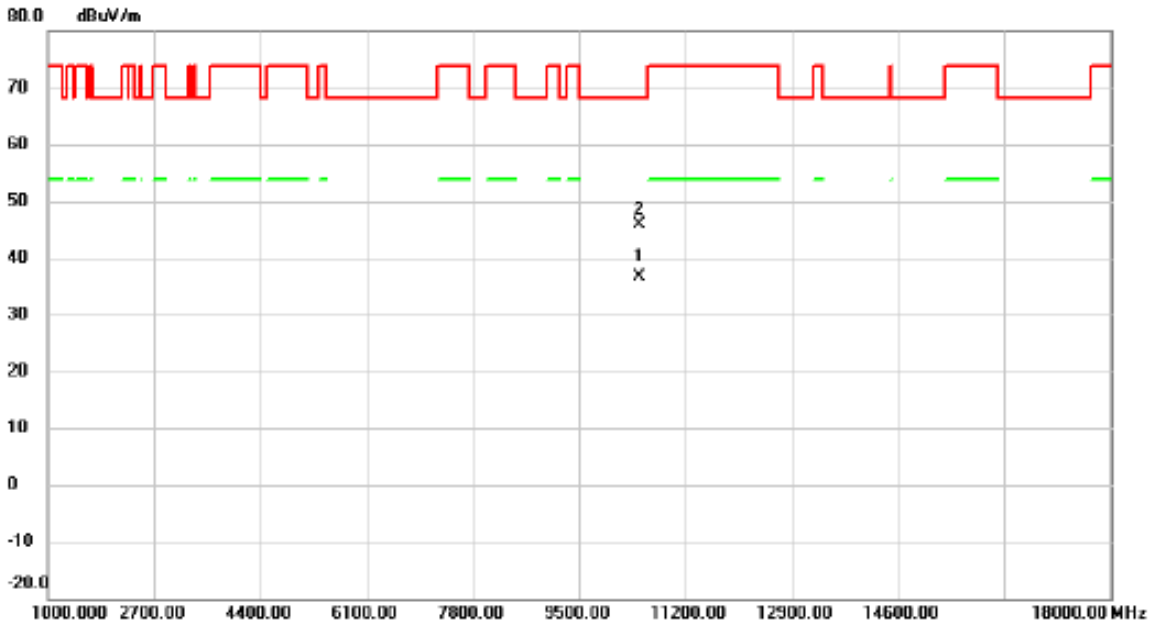
Test Mode	UNII-1_TX AX(HE40) Mode 5230 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5140.5000	47.26	11.81	59.07	74.00	-14.93	Peak	
2	5140.5000	40.03	11.81	51.84	54.00	-2.16	AVG	
3	5150.0000	46.95	11.83	58.78	74.00	-15.22	Peak	
4	5150.0000	39.55	11.83	51.38	54.00	-2.62	AVG	
5 *	5227.2000	97.83	12.01	109.84	68.20	41.64	Peak	No Limit
6	5235.0000	88.89	12.02	100.91	999.00	-898.09	AVG	No Limit

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

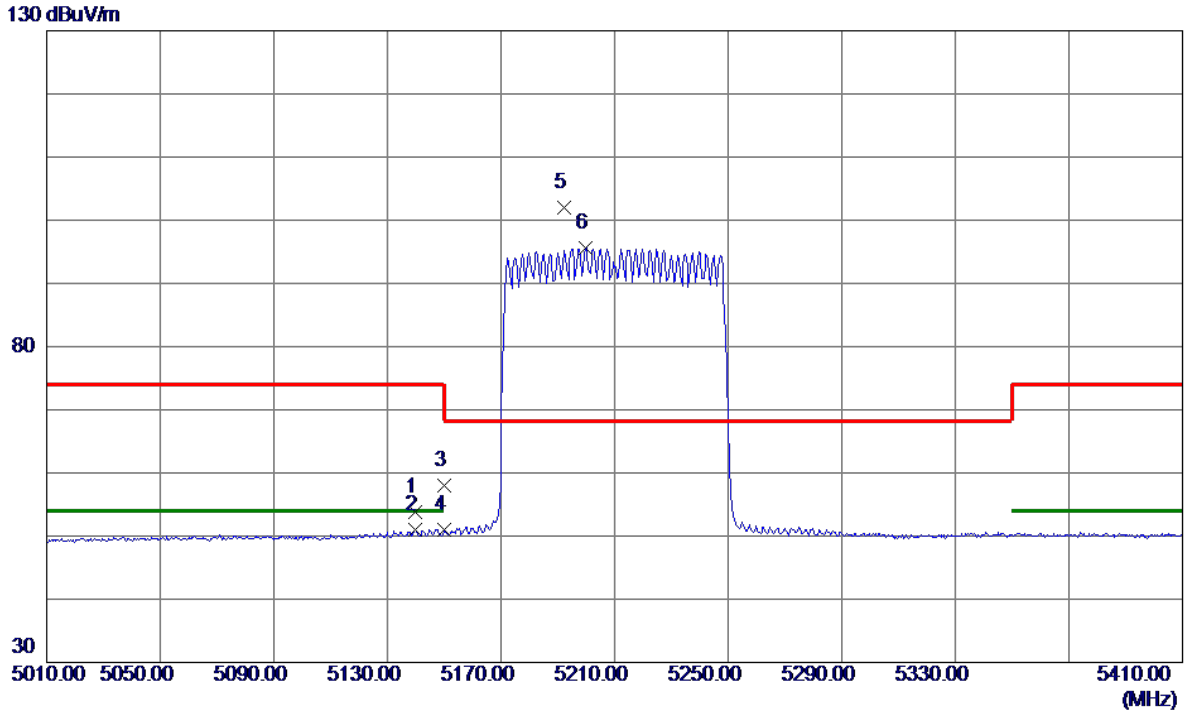
Test Mode	UNII-1_TX AX(HE40) Mode 5230 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10463.55	28.38	8.34	36.72	68.20	-31.48	AVG	No Limit
2	*	10473.70	37.48	8.36	45.84	68.20	-22.36	peak	

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

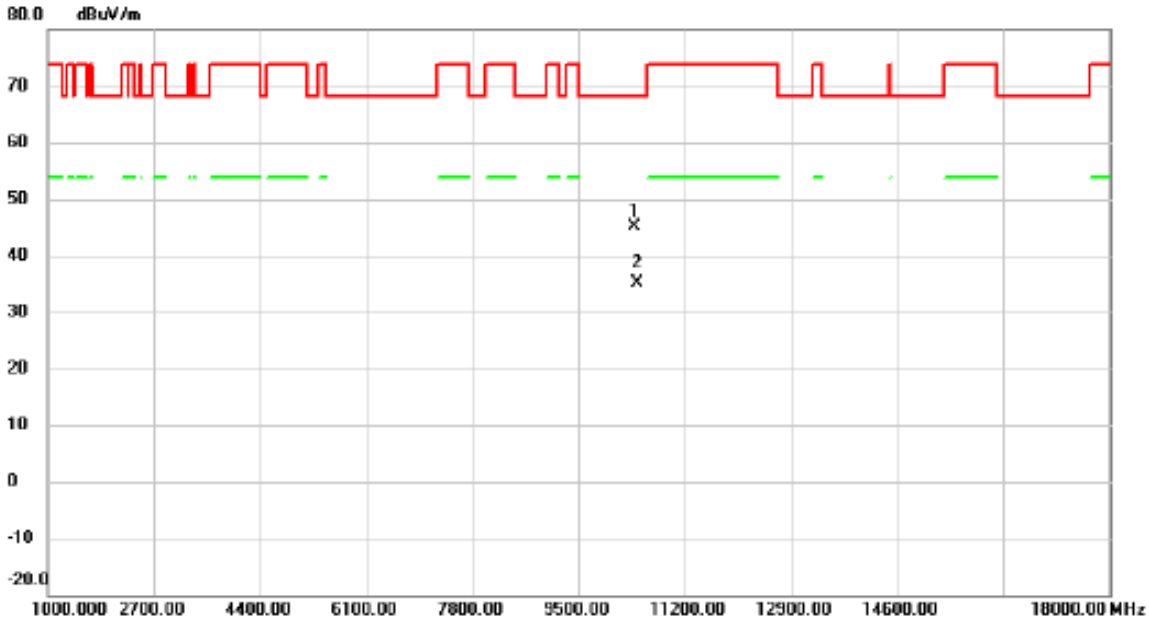
Test Mode	UNII-1_TX AX(HE80) Mode 5210 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5139.8000	41.91	11.81	53.72	74.00	-20.28	Peak	
2	5139.8000	39.16	11.81	50.97	54.00	-3.03	AVG	
3	5150.0000	46.14	11.83	57.97	74.00	-16.03	Peak	
4	5150.0000	39.10	11.83	50.93	54.00	-3.07	AVG	
5 *	5192.4000	90.11	11.93	102.04	68.20	33.84	Peak	No Limit
6	5199.8000	83.66	11.94	95.60	999.00	-903.40	AVG	No Limit

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

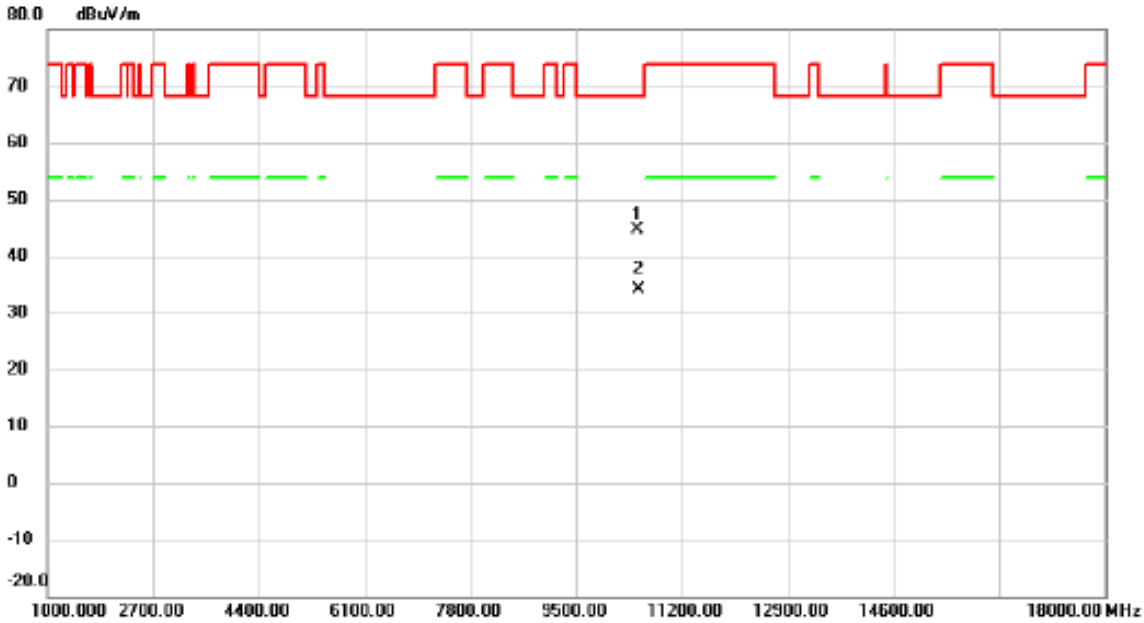
Test Mode	UNII-1_TX AX(HE80) Mode 5210 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10389.00	36.97	8.25	45.22	68.20	-22.98	peak	
2		10451.20	26.69	8.33	35.02	68.20	-33.18	AVG	No Limit

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

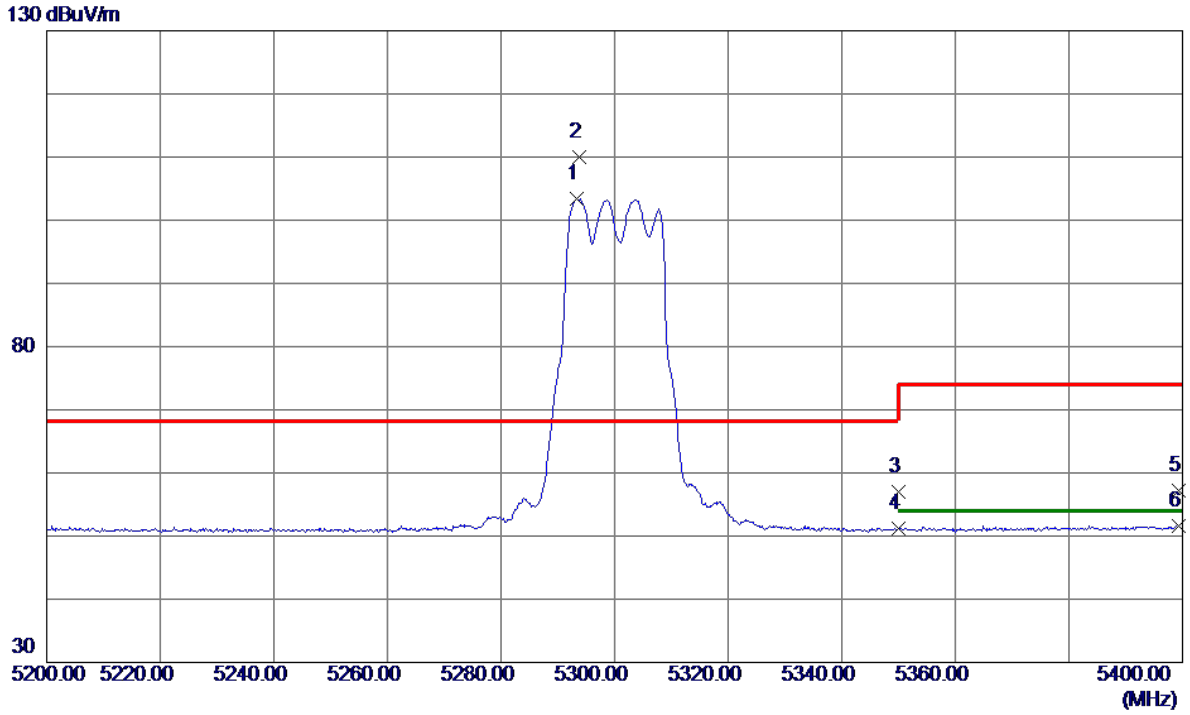
Test Mode	UNII-2A_TX A Mode 5260 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10495.32	36.24	8.39	44.63	68.20	-23.57	peak	
2		10497.82	25.86	8.39	34.25	68.20	-33.95	AVG	No Limit

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

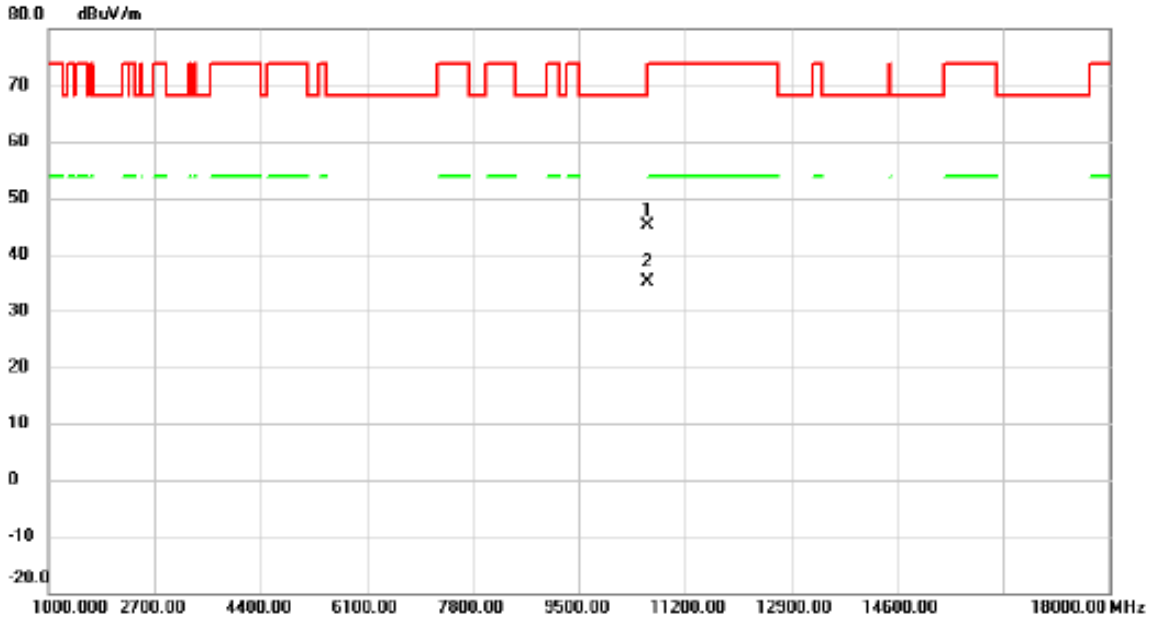
Test Mode	UNII-2A_TX A Mode 5300 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5293.4000	91.21	12.16	103.37	999.00	-895.63	AVG	No Limit
2 *	5293.8000	97.93	12.16	110.09	68.20	41.89	Peak	No Limit
3	5350.0000	44.71	12.28	56.99	74.00	-17.01	Peak	
4	5350.0000	38.86	12.28	51.14	54.00	-2.86	AVG	
5	5399.3000	44.88	12.40	57.28	74.00	-16.72	Peak	
6	5399.3000	39.16	12.40	51.56	54.00	-2.44	AVG	

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

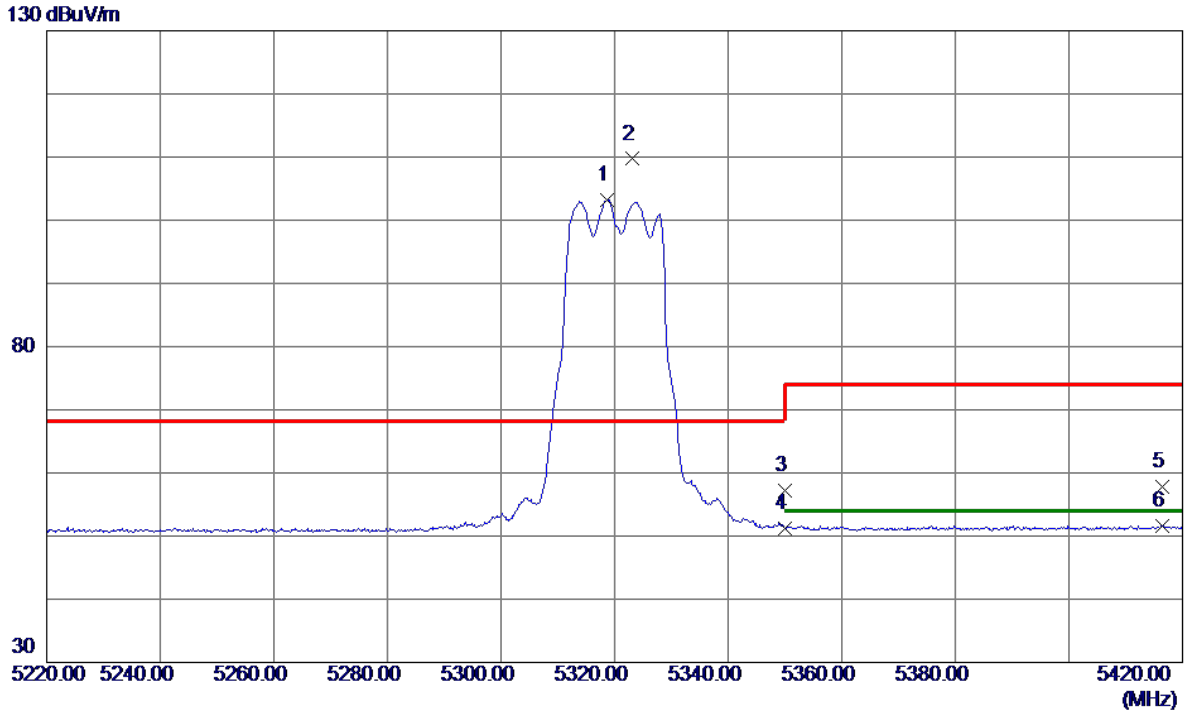
Test Mode	UNII-2A_TX A Mode 5300 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10597.150	36.66	8.42	45.08	68.20	-23.12	peak	
2	*	10602.800	26.60	8.43	35.03	54.00	-18.97	AVG	

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

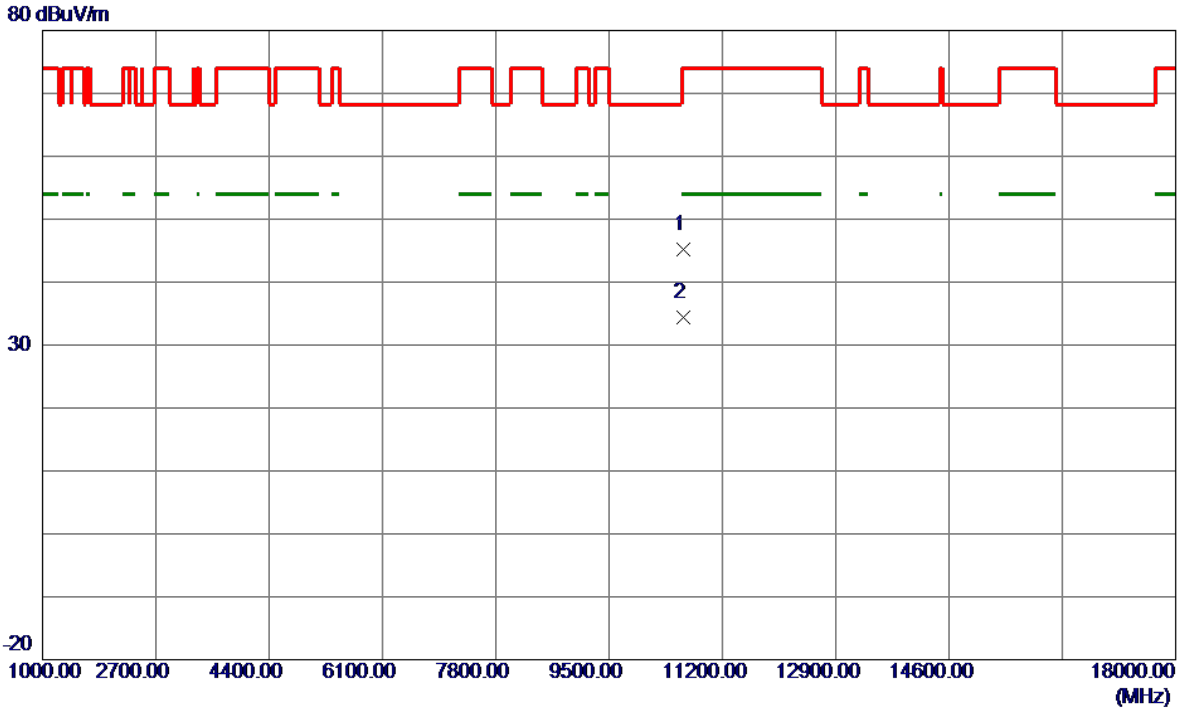
Test Mode	UNII-2A_TX A Mode 5320 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5318.6000	90.98	12.21	103.19	999.00	-895.81	AVG	No Limit
2 *	5323.1000	97.48	12.22	109.70	68.20	41.50	Peak	No Limit
3	5350.0000	44.88	12.28	57.16	74.00	-16.84	Peak	
4	5350.0000	38.90	12.28	51.18	54.00	-2.82	AVG	
5	5416.4000	45.36	12.44	57.80	74.00	-16.20	Peak	
6	5416.4000	39.19	12.44	51.63	54.00	-2.37	AVG	

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

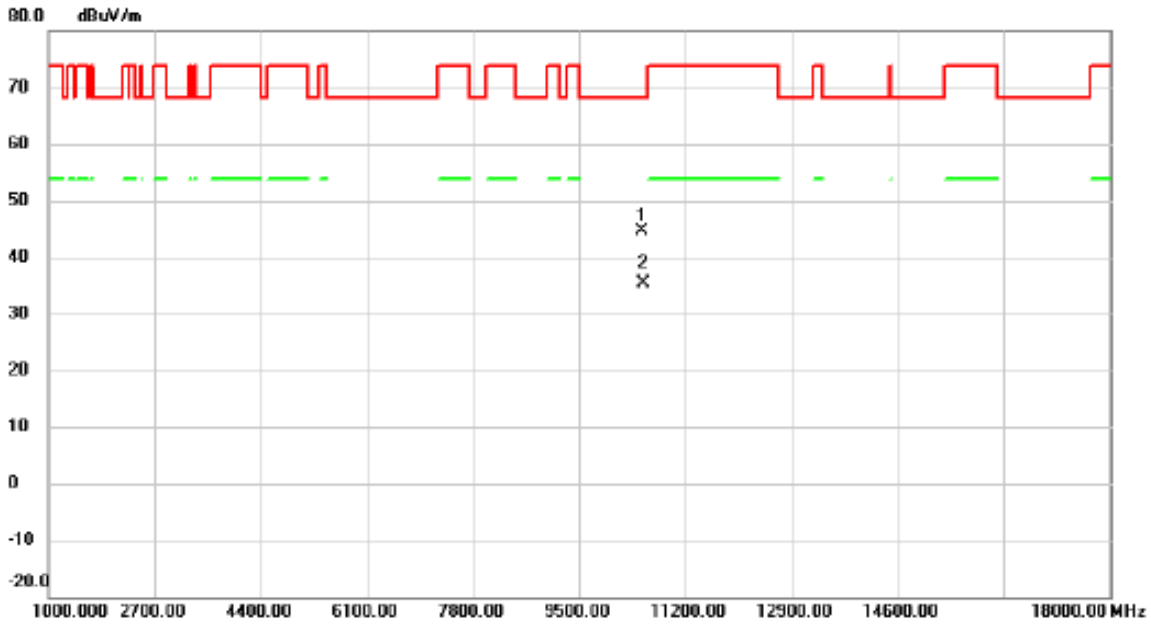
Test Mode	UNII-2A_TX A Mode 5320 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10619.8000	36.73	8.42	45.15	74.00	-28.85	Peak	
2 *	10623.8000	25.92	8.42	34.34	54.00	-19.66	AVG	

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

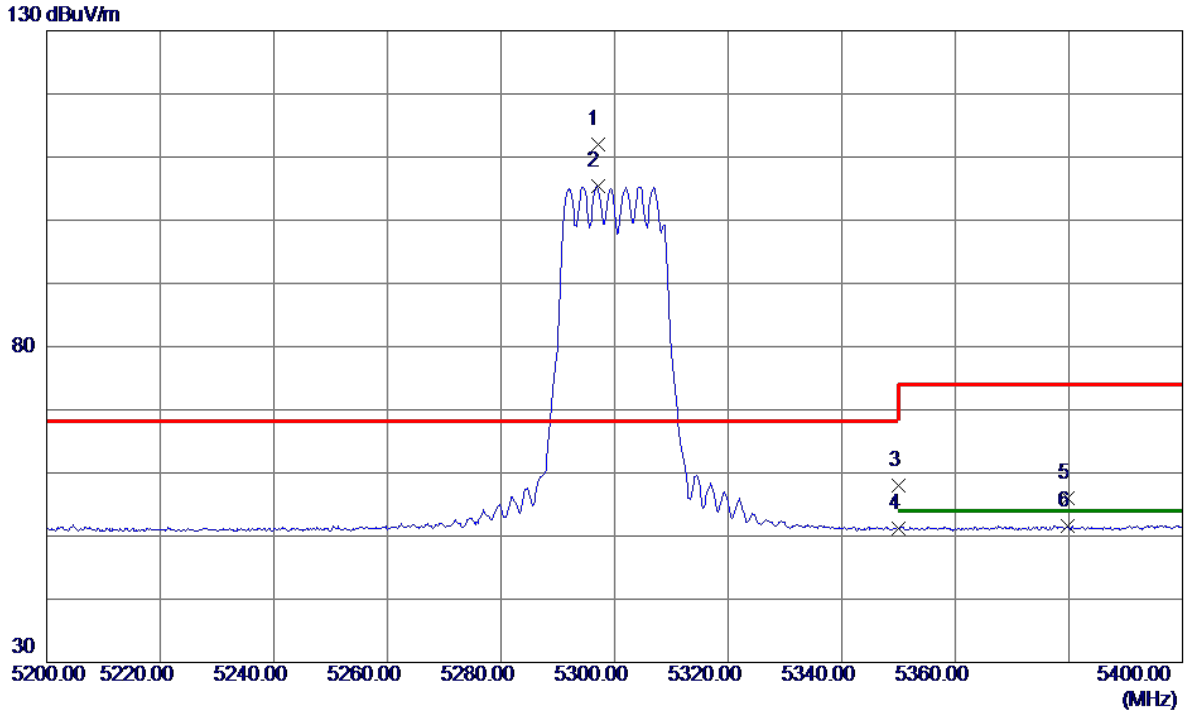
Test Mode	UNII-2A_TX AC(VHT20) Mode 5260 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10512.37	36.30	8.40	44.70	68.20	-23.50	peak	
2		10520.95	26.89	8.40	35.29	68.20	-32.91	AVG	No Limit

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

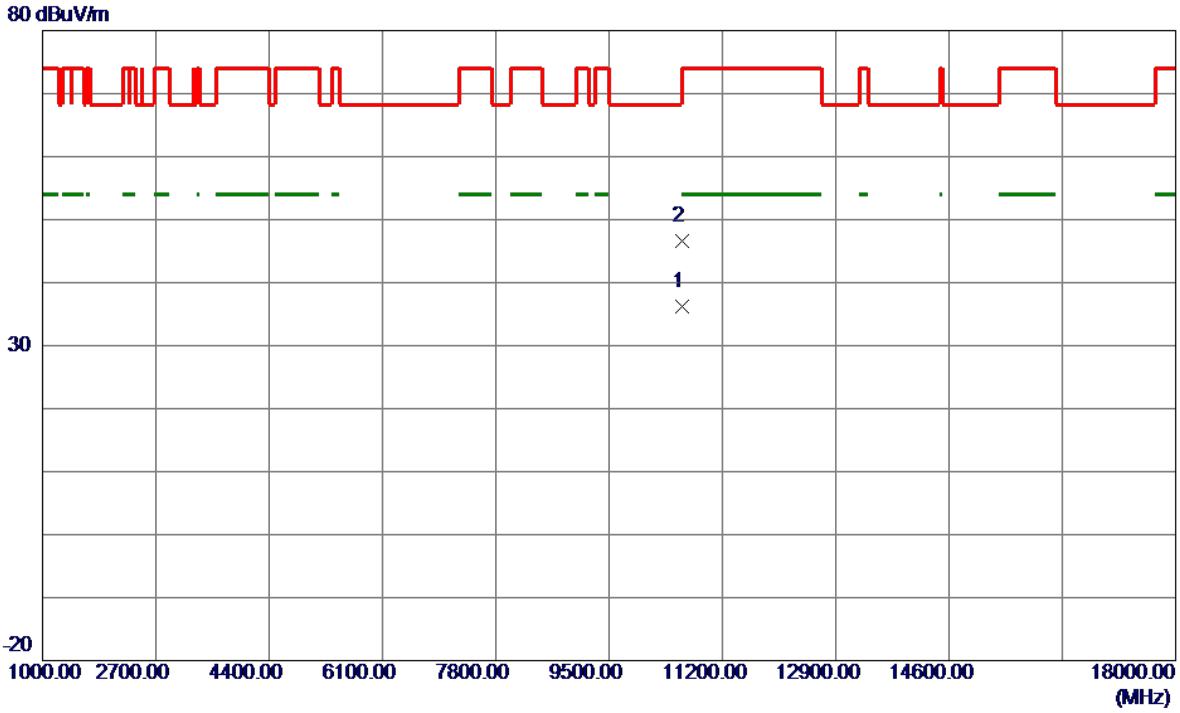
Test Mode	UNII-2A_TX AC(VHT20) Mode 5300 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5297.0000	99.87	12.16	112.03	68.20	43.83	Peak	No Limit
2	5297.0000	93.20	12.16	105.36	999.00	-893.64	AVG	No Limit
3	5350.0000	45.67	12.28	57.95	74.00	-16.05	Peak	
4	5350.0000	39.00	12.28	51.28	54.00	-2.72	AVG	
5	5379.7000	43.58	12.35	55.93	74.00	-18.07	Peak	
6	5379.7000	39.30	12.35	51.65	54.00	-2.35	AVG	

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

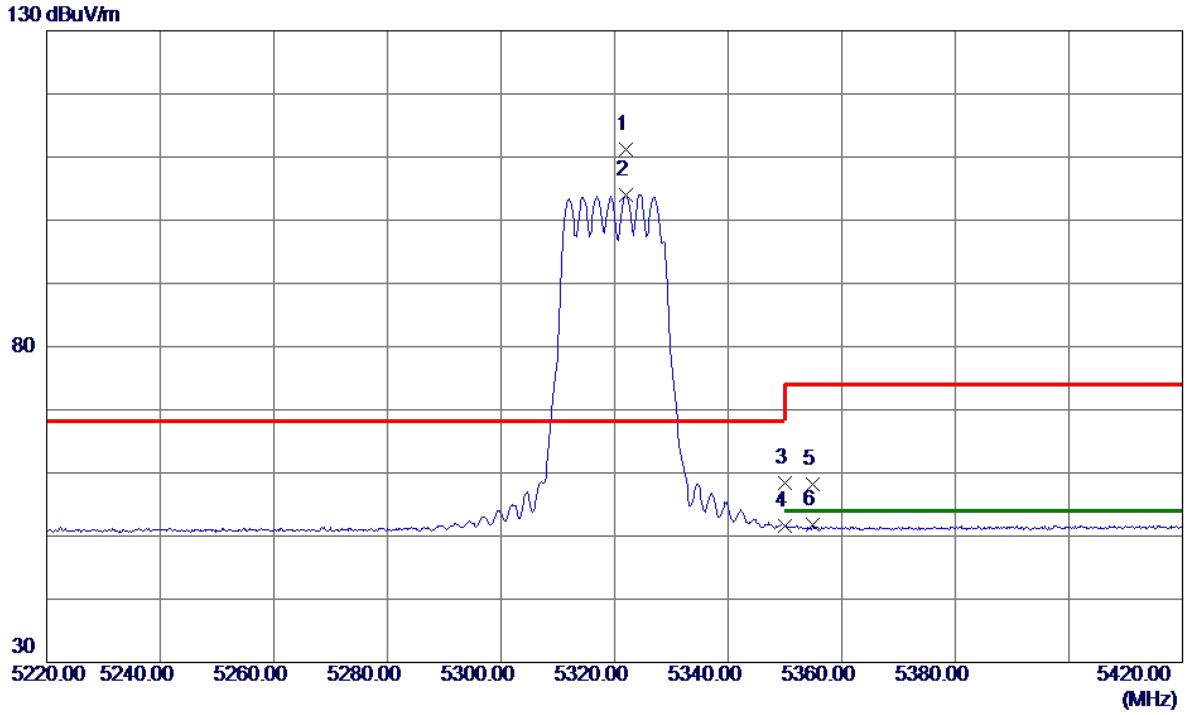
Test Mode	UNII-2A_TX AC(VHT20) Mode 5300 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10600.5500	27.70	8.42	36.12	54.00	-17.88	AVG	
2	10601.4000	38.11	8.42	46.53	74.00	-27.47	Peak	

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

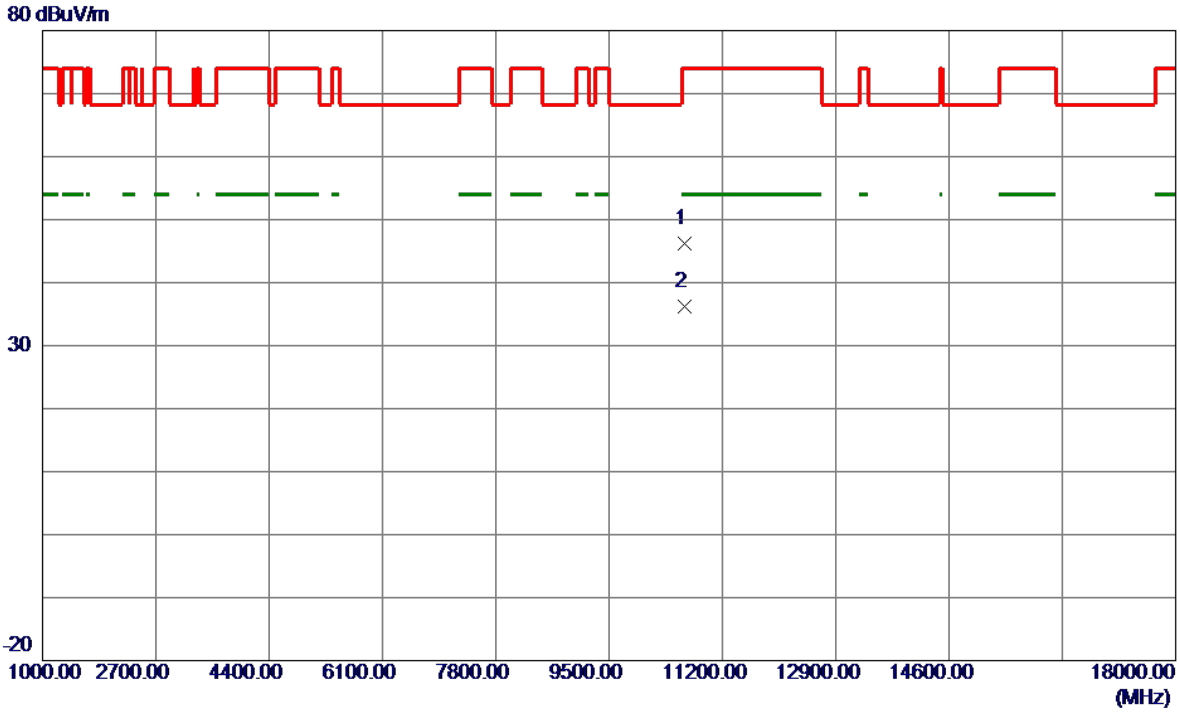
Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5322.0000	98.99	12.22	111.21	68.20	43.01	Peak	No Limit
2	5322.0000	91.88	12.22	104.10	999.00	-894.90	AVG	No Limit
3	5350.0000	46.12	12.28	58.40	74.00	-15.60	Peak	
4	5350.0000	39.27	12.28	51.55	54.00	-2.45	AVG	
5	5354.9000	45.85	12.30	58.15	74.00	-15.85	Peak	
6	5354.9000	39.45	12.30	51.75	54.00	-2.25	AVG	

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

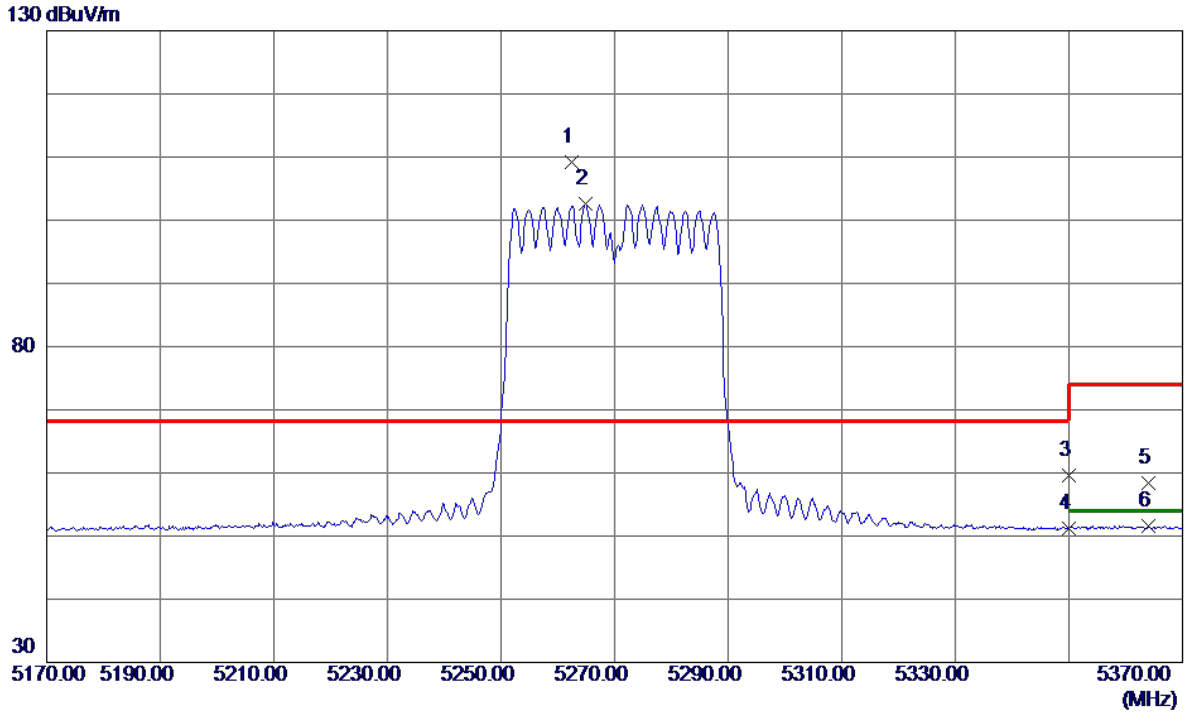
Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10636.2750	37.78	8.43	46.21	74.00	-27.79	Peak	
2 *	10641.3250	27.79	8.43	36.22	54.00	-17.78	AVG	

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

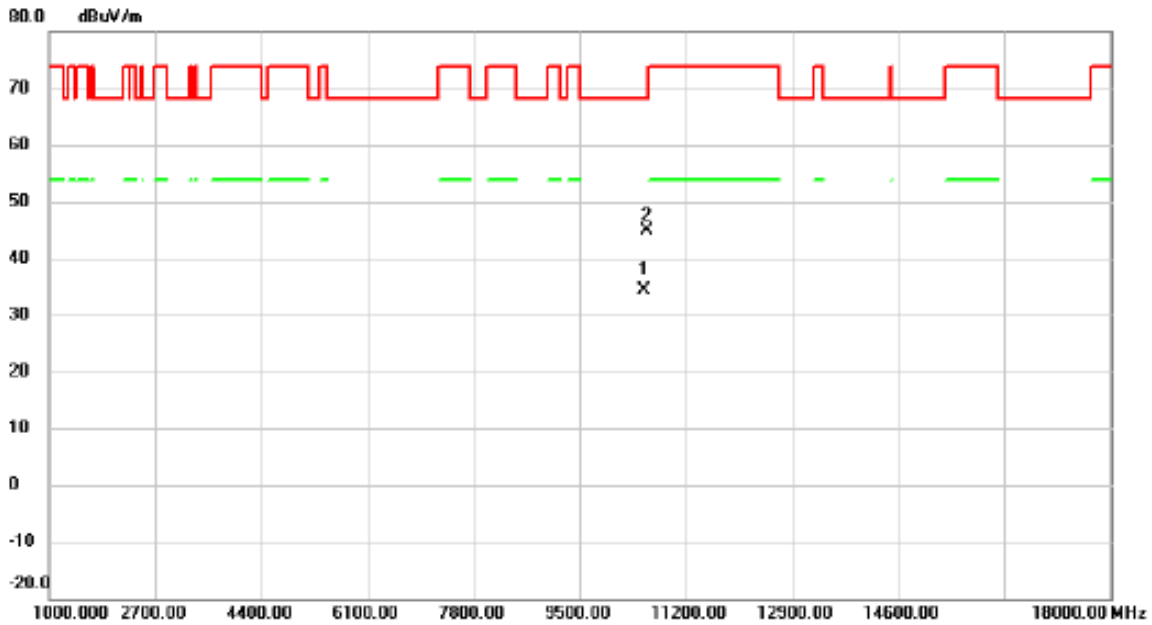
Test Mode	UNII-2A_TX AC(VHT40) Mode 5270 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5262.4000	97.13	12.09	109.22	68.20	41.02	Peak	No Limit
2	5264.9000	90.47	12.09	102.56	999.00	-896.44	AVG	No Limit
3	5350.0000	47.40	12.28	59.68	74.00	-14.32	Peak	
4	5350.0000	38.96	12.28	51.24	54.00	-2.76	AVG	
5	5363.9000	46.12	12.32	58.44	74.00	-15.56	Peak	
6	5363.9000	39.32	12.32	51.64	54.00	-2.36	AVG	

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

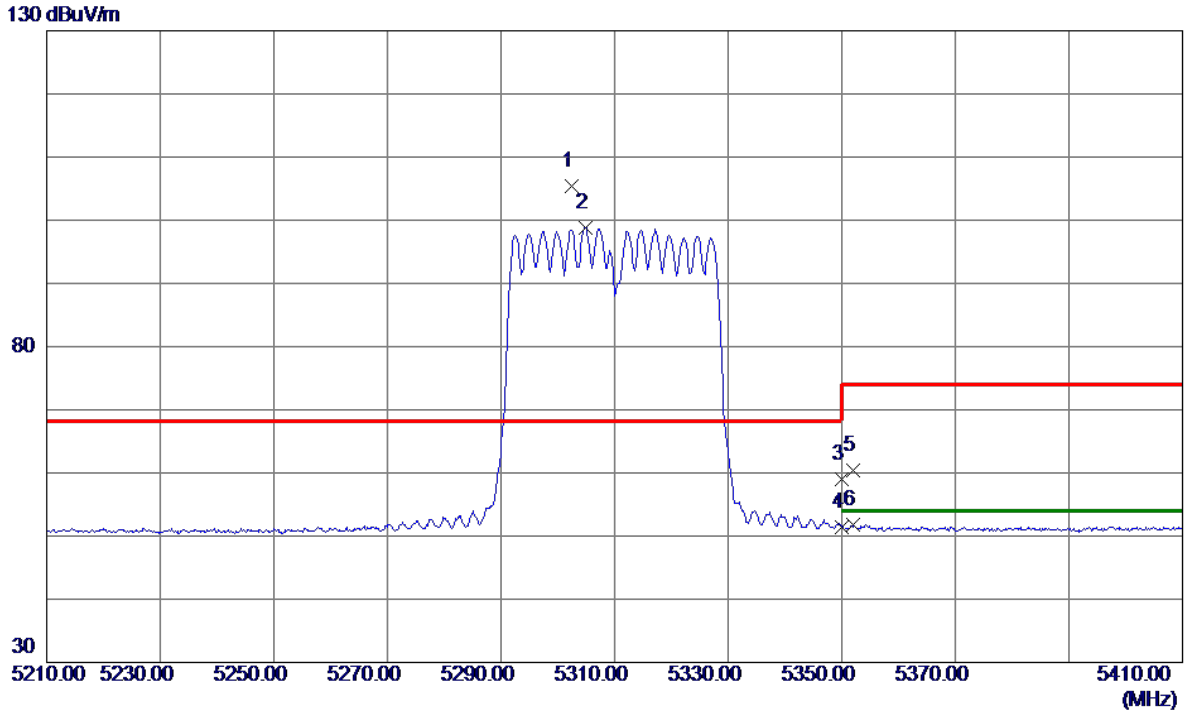
Test Mode	UNII-2A_TX AC(VHT40) Mode 5270 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10533.600	25.96	8.40	34.36	68.20	-33.84	AVG	No Limit
2	*	10573.000	36.36	8.41	44.77	68.20	-23.43	peak	

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

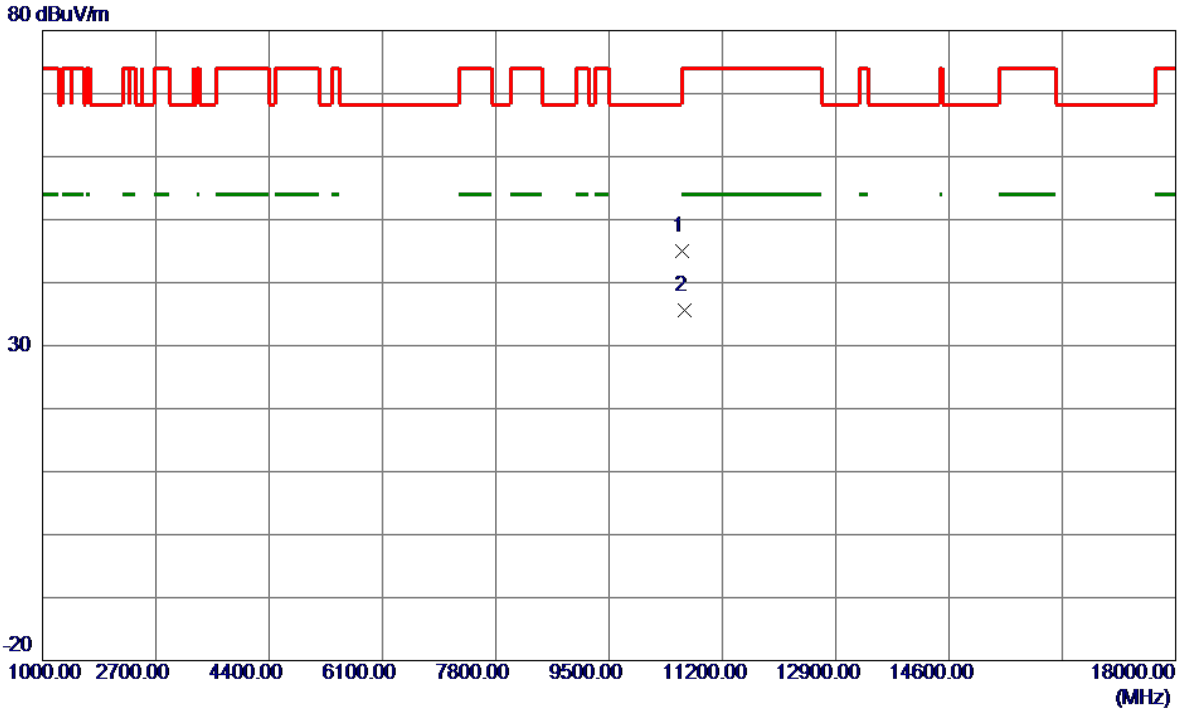
Test Mode	UNII-2A_TX AC(VHT40) Mode 5310 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5302.5000	93.24	12.18	105.42	68.20	37.22	Peak	No Limit
2	5304.9000	86.68	12.18	98.86	999.00	-900.14	AVG	No Limit
3	5350.0000	46.80	12.28	59.08	74.00	-14.92	Peak	
4	5350.0000	39.21	12.28	51.49	54.00	-2.51	AVG	
5	5352.0000	48.10	12.29	60.39	74.00	-13.61	Peak	
6	5352.0000	39.43	12.29	51.72	54.00	-2.28	AVG	

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

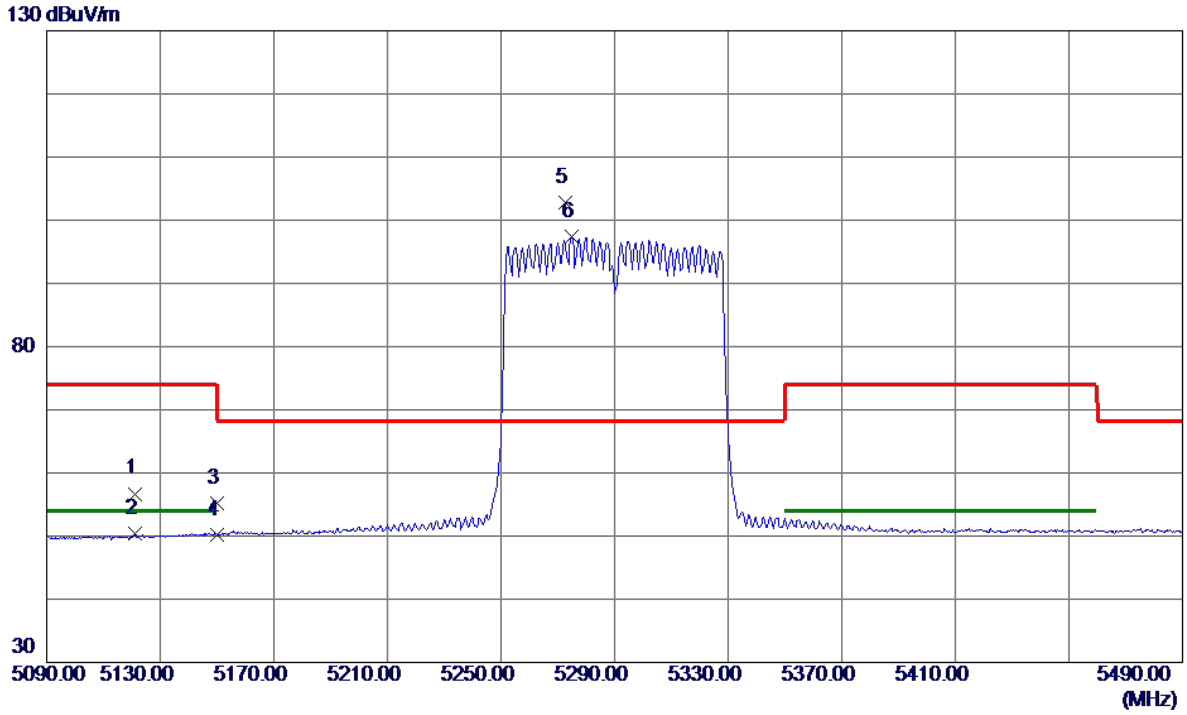
Test Mode	UNII-2A_TX AC(VHT40) Mode 5310 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10604.4000	36.53	8.42	44.95	74.00	-29.05	Peak	
2 *	10626.1000	27.23	8.43	35.66	54.00	-18.34	AVG	

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

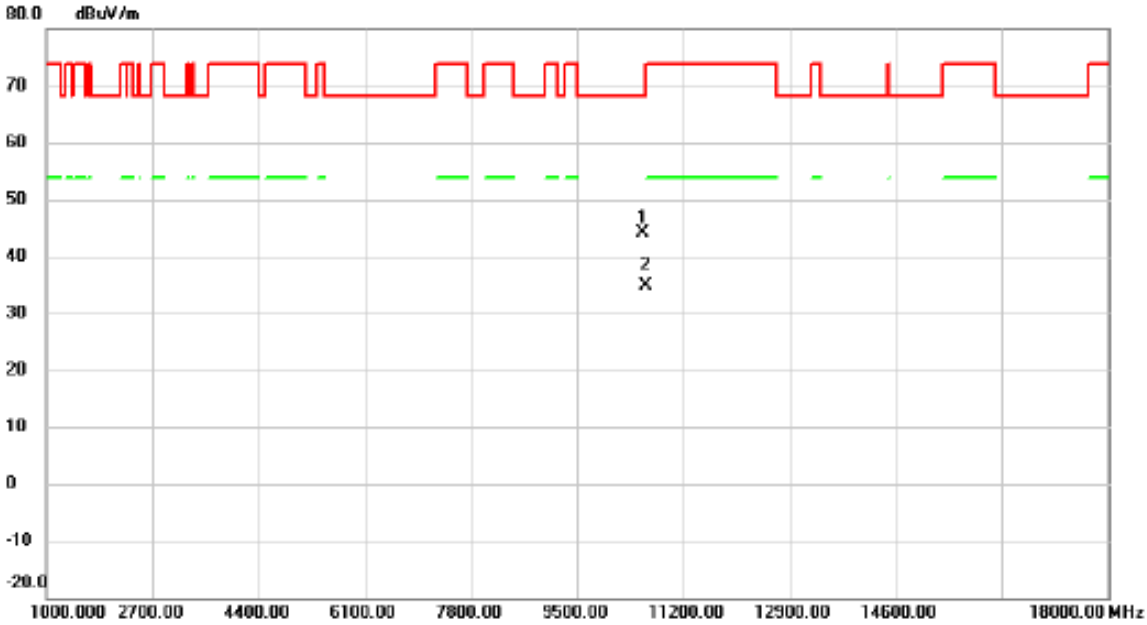
Test Mode	UNII-2A_TX AC(VHT80) Mode 5290 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5121.0000	44.94	11.76	56.70	74.00	-17.30	Peak	
2	5121.0000	38.62	11.76	50.38	54.00	-3.62	AVG	
3	5150.0000	43.38	11.83	55.21	74.00	-18.79	Peak	
4	5150.0000	38.42	11.83	50.25	54.00	-3.75	AVG	
5 *	5272.6000	90.65	12.11	102.76	68.20	34.56	Peak	No Limit
6	5275.0000	85.26	12.11	97.37	999.00	-901.63	AVG	No Limit

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

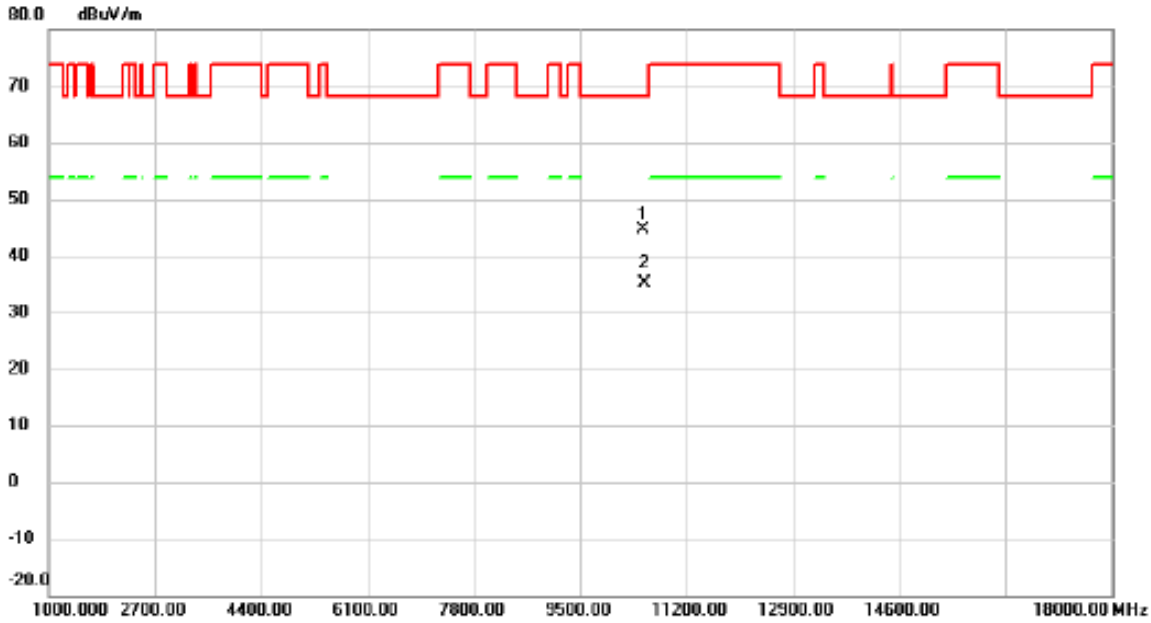
Test Mode	UNII-2A_TX AC(VHT80) Mode 5290 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10563.20	35.60	8.41	44.01	68.20	-24.19	peak	
2		10598.60	26.34	8.42	34.76	68.20	-33.44	AVG	No Limit

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

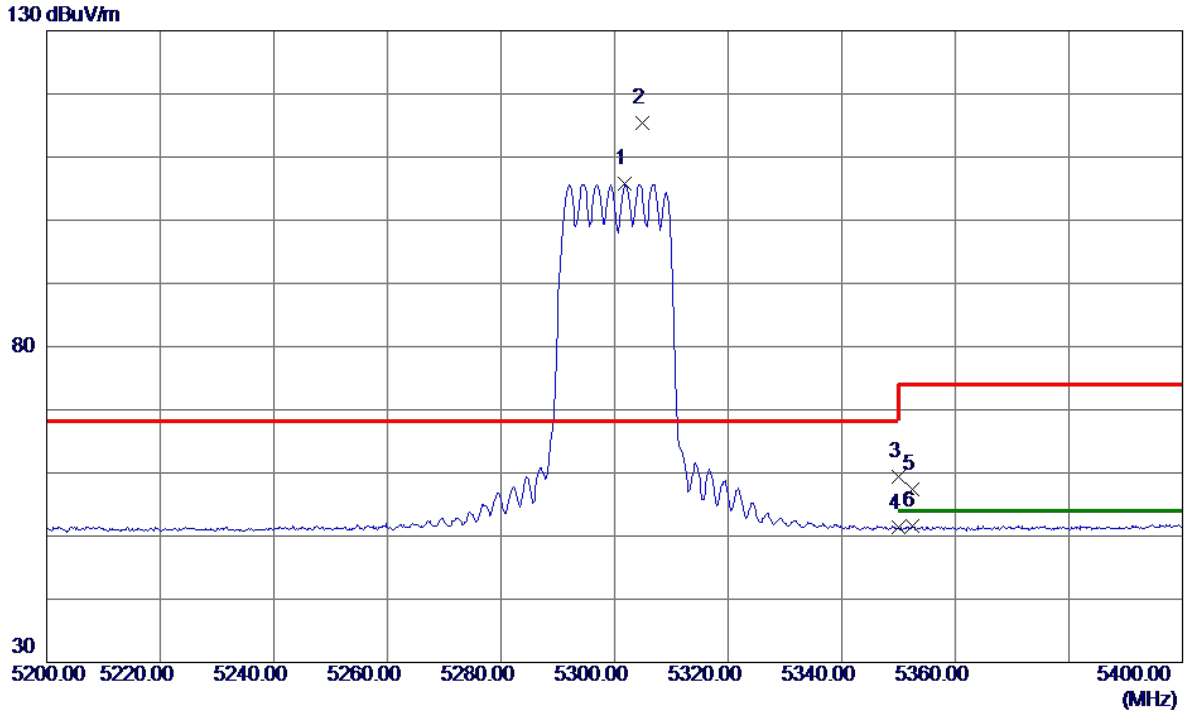
Test Mode	UNII-2A_TX AX(HE20) Mode 5260 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10515.80	36.31	8.39	44.70	68.20	-23.50	peak	
2		10520.75	26.69	8.40	35.09	68.20	-33.11	AVG	No Limit

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

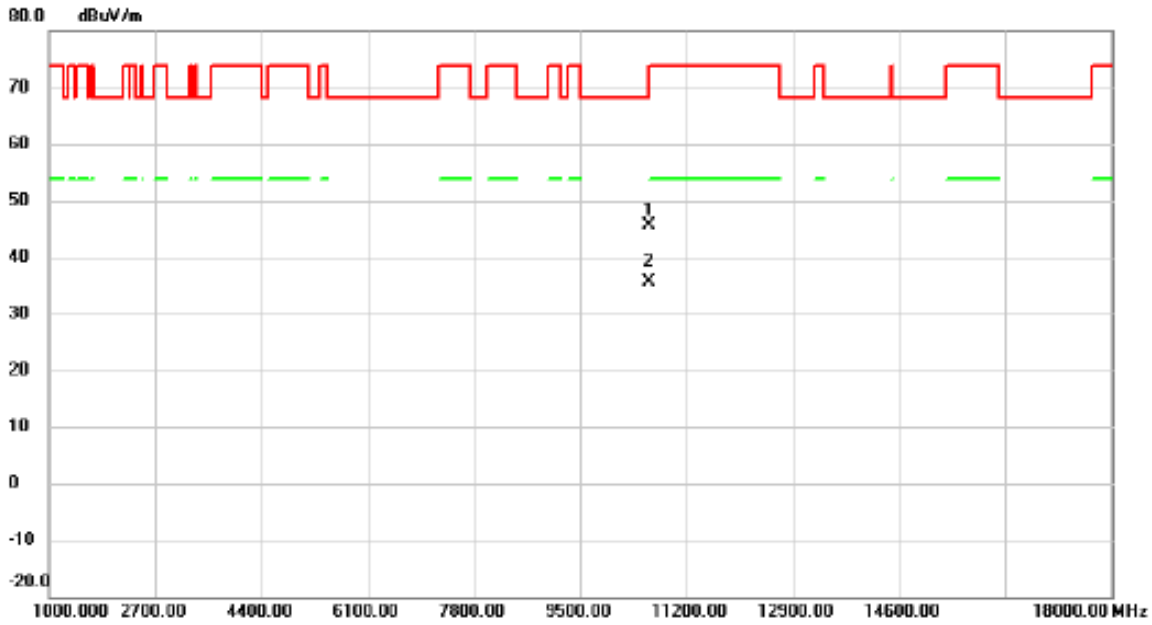
Test Mode	UNII-2A_TX AX(HE20) Mode 5300 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5301.8000	93.60	12.17	105.77	999.00	-893.23	AVG	No Limit
2 *	5304.8000	103.16	12.18	115.34	68.20	47.14	Peak	No Limit
3	5350.0000	47.03	12.28	59.31	74.00	-14.69	Peak	
4	5350.0000	39.02	12.28	51.30	54.00	-2.70	AVG	
5	5352.5000	45.03	12.29	57.32	74.00	-16.68	Peak	
6	5352.5000	39.30	12.29	51.59	54.00	-2.41	AVG	

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

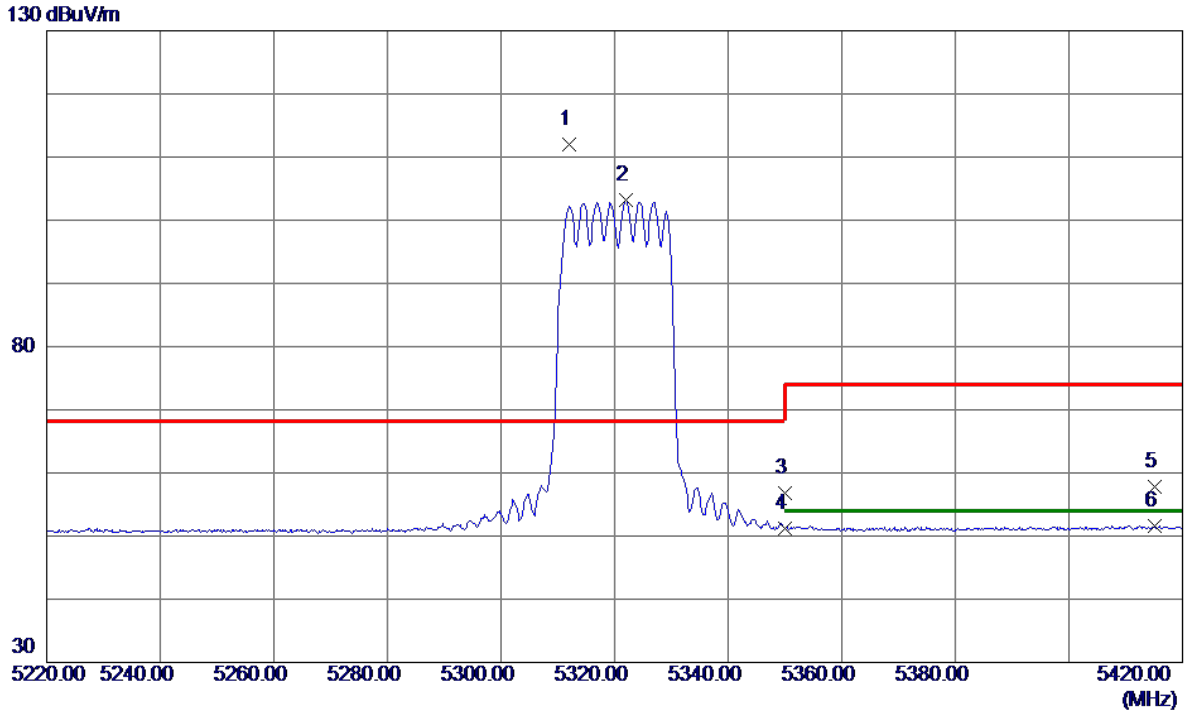
Test Mode	UNII-2A_TX AX(HE20) Mode 5300 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10596.450	37.24	8.42	45.66	68.20	-22.54	peak	
2	*	10603.350	27.16	8.43	35.59	54.00	-18.41	AVG	

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

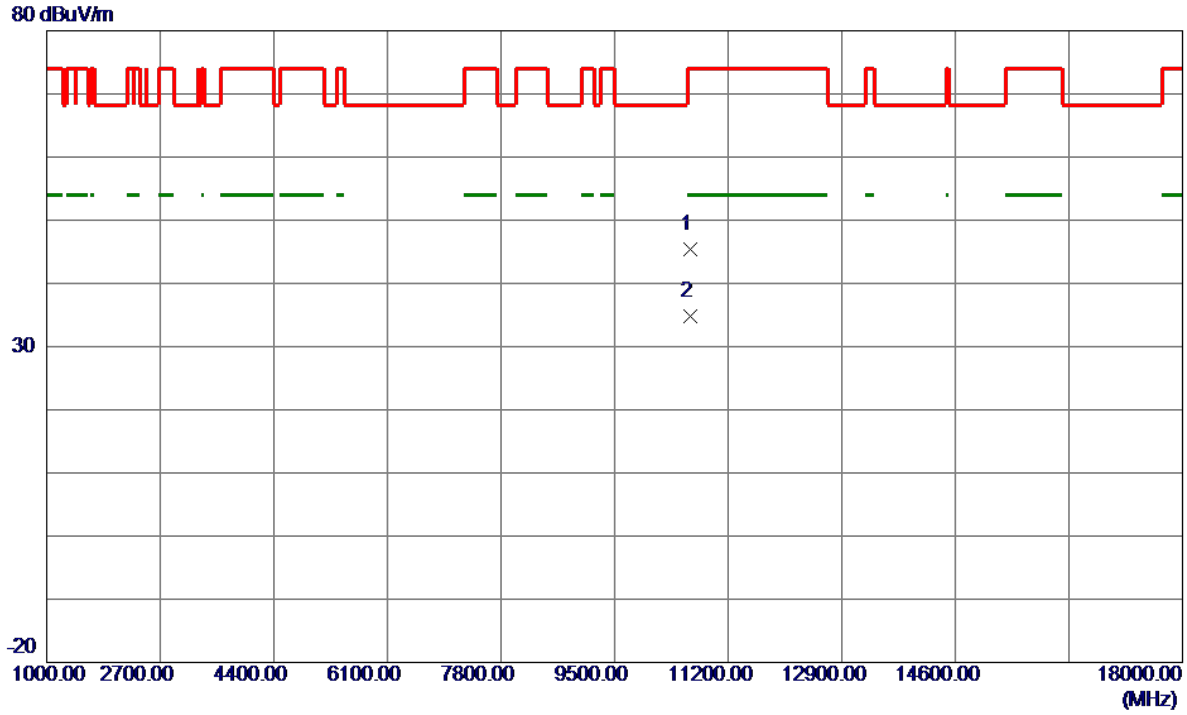
Test Mode	UNII-2A_TX AX(HE20) Mode 5320 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5311.9000	99.90	12.20	112.10	68.20	43.90	Peak	No Limit
2	5321.9000	90.97	12.22	103.19	999.00	-895.81	AVG	No Limit
3	5350.0000	44.45	12.28	56.73	74.00	-17.27	Peak	
4	5350.0000	38.92	12.28	51.20	54.00	-2.80	AVG	
5	5415.2000	45.38	12.43	57.81	74.00	-16.19	Peak	
6	5415.2000	39.18	12.43	51.61	54.00	-2.39	AVG	

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

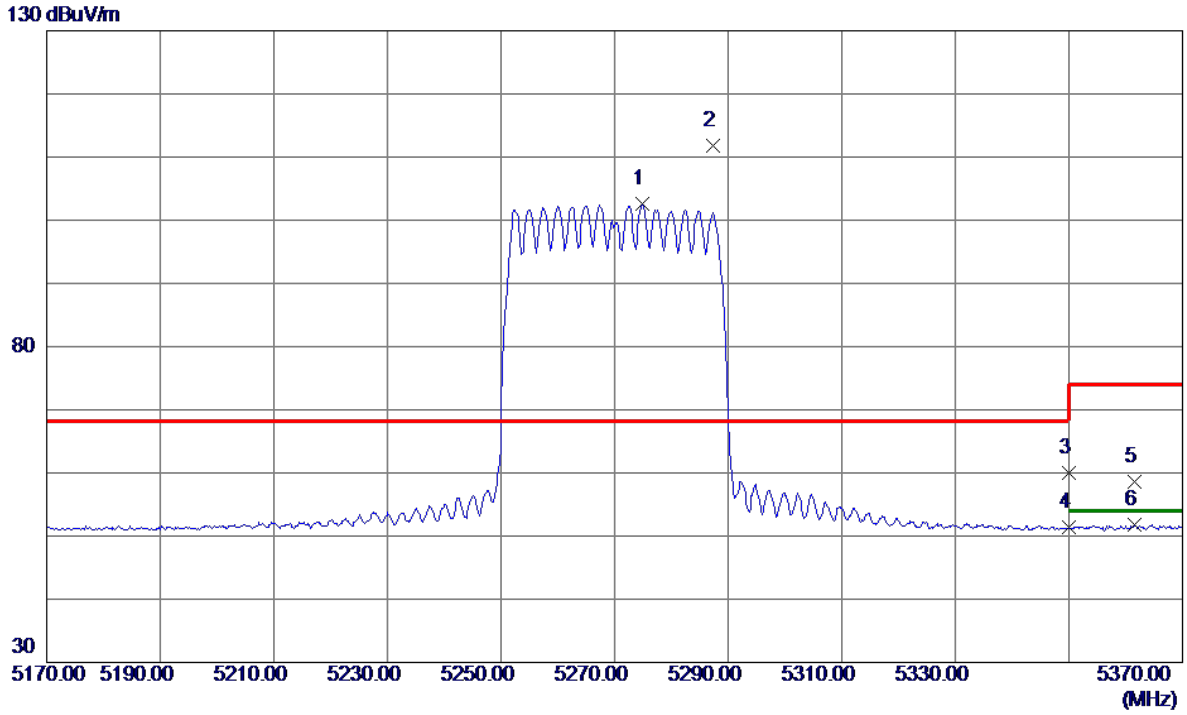
Test Mode	UNII-2A_TX AX(HE20) Mode 5320 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10625.9250	36.91	8.43	45.34	74.00	-28.66	Peak	
2 *	10638.3250	26.42	8.43	34.85	54.00	-19.15	AVG	

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

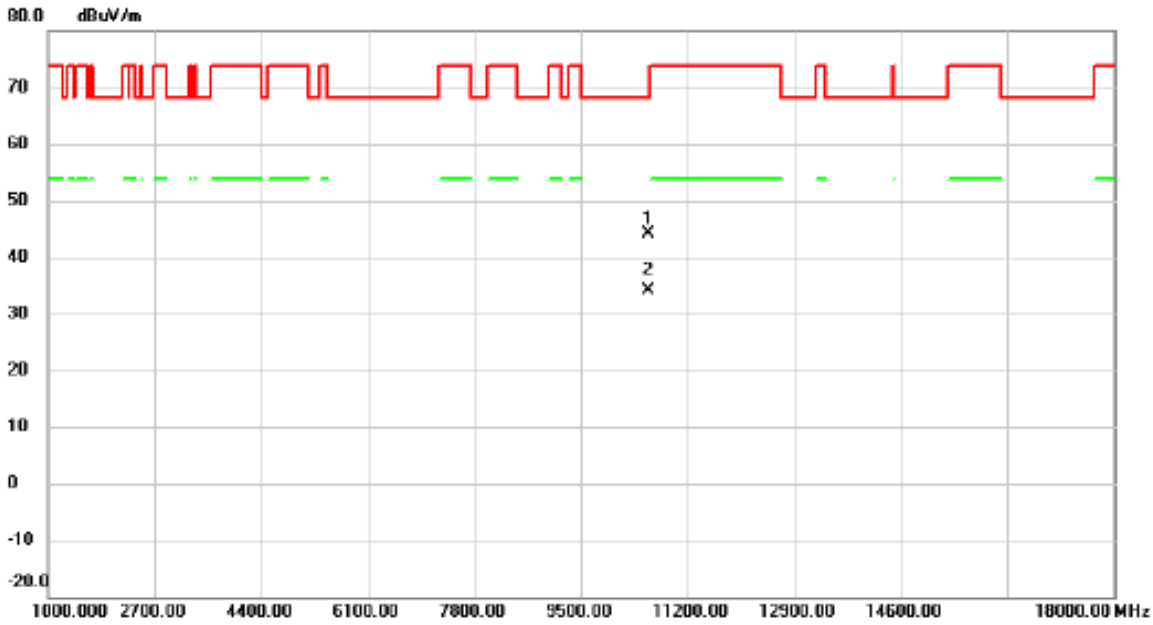
Test Mode	UNII-2A_TX AX(HE40) Mode 5270 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5274.9000	90.45	12.11	102.56	999.00	-896.44	AVG	No Limit
2 *	5287.3000	99.61	12.14	111.75	68.20	43.55	Peak	No Limit
3	5350.0000	47.63	12.28	59.91	74.00	-14.09	Peak	
4	5350.0000	39.08	12.28	51.36	54.00	-2.64	AVG	
5	5361.6000	46.34	12.31	58.65	74.00	-15.35	Peak	
6	5361.6000	39.43	12.31	51.74	54.00	-2.26	AVG	

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

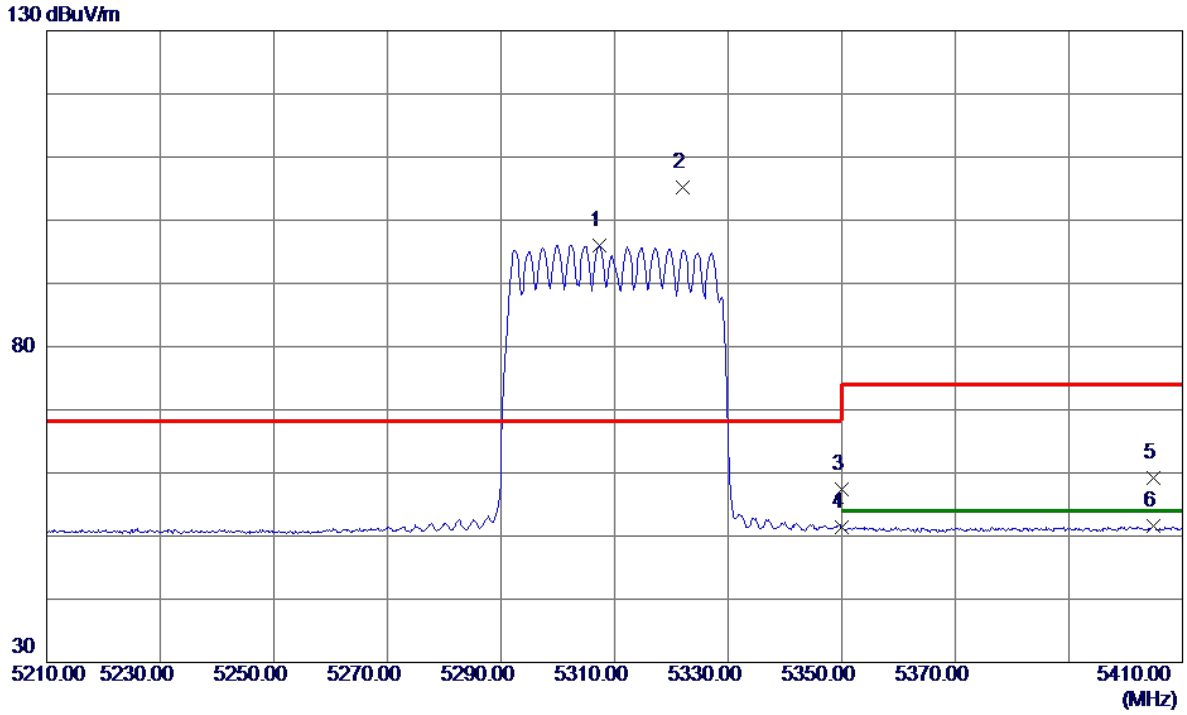
Test Mode	UNII-2A_TX AX(HE40) Mode 5270 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10565.70	35.70	8.41	44.11	68.20	-24.09	peak	
2		10584.45	25.81	8.41	34.22	68.20	-33.98	AVG	No Limit

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

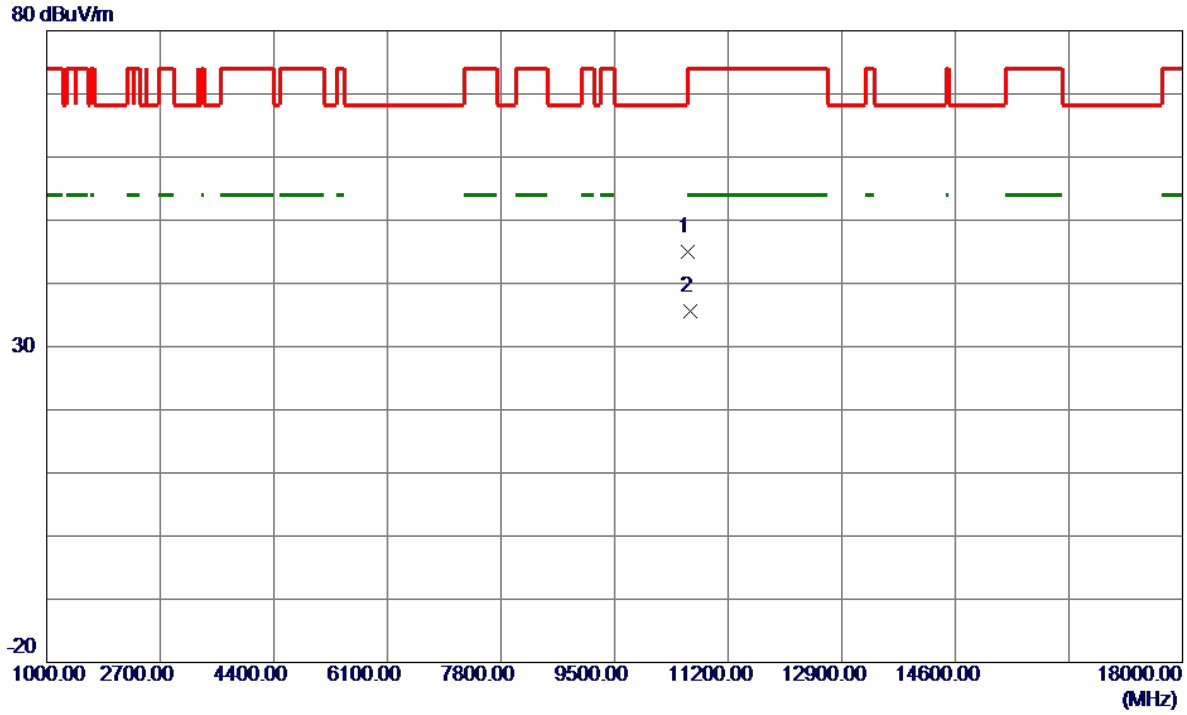
Test Mode	UNII-2A_TX AX(HE40) Mode 5310 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5307.3000	83.84	12.19	96.03	999.00	-902.97	AVG	No Limit
2 *	5322.0000	93.00	12.22	105.22	68.20	37.02	Peak	No Limit
3	5350.0000	45.07	12.28	57.35	74.00	-16.65	Peak	
4	5350.0000	39.04	12.28	51.32	54.00	-2.68	AVG	
5	5404.9000	46.71	12.41	59.12	74.00	-14.88	Peak	
6	5404.9000	39.11	12.41	51.52	54.00	-2.48	AVG	

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

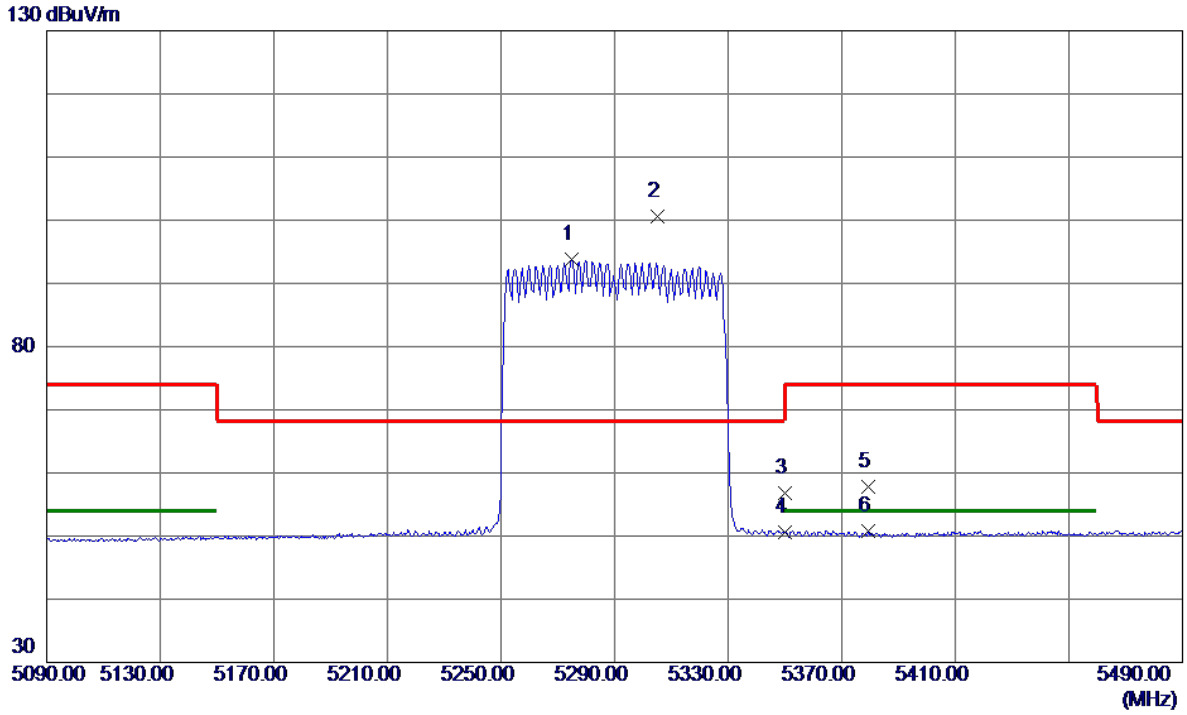
Test Mode	UNII-2A_TX AX(HE40) Mode 5310 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10601.5500	36.60	8.42	45.02	74.00	-28.98	Peak	
2 *	10626.3000	27.26	8.43	35.69	54.00	-18.31	AVG	

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

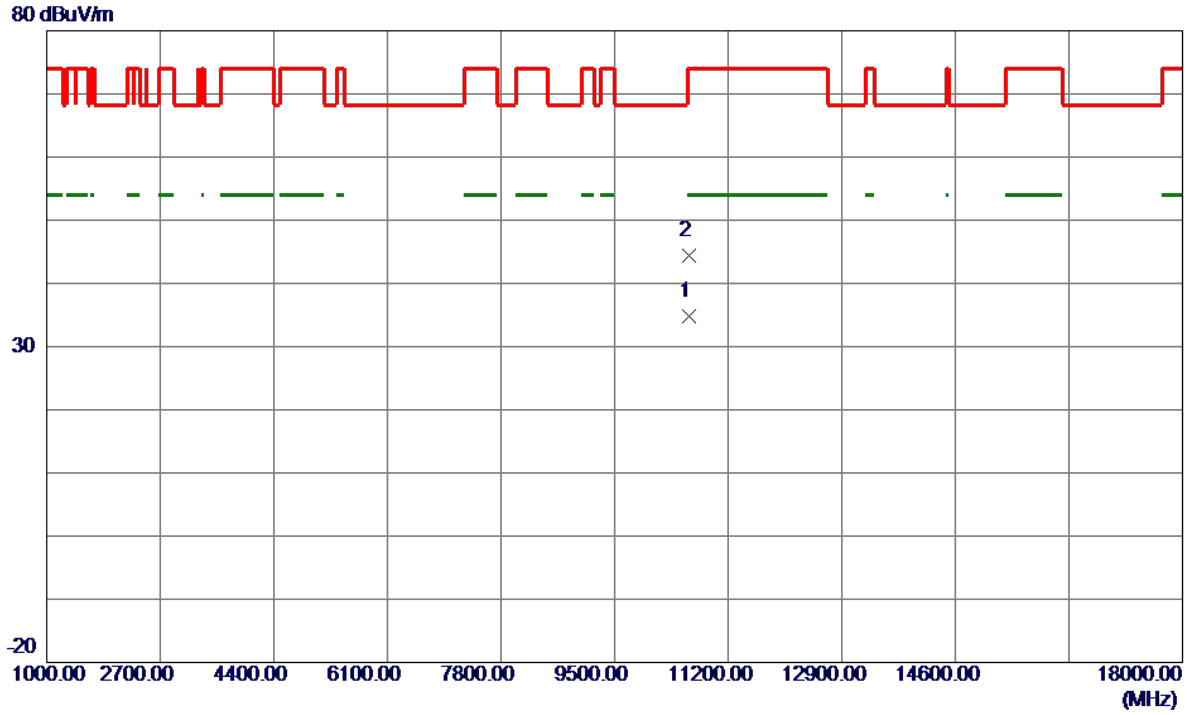
Test Mode	UNII-2A_TX AX(HE80) Mode 5290 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5274.8000	81.61	12.11	93.72	999.00	-905.28	AVG	No Limit
2 *	5305.0000	88.42	12.18	100.60	68.20	32.40	Peak	No Limit
3	5350.0000	44.56	12.28	56.84	74.00	-17.16	Peak	
4	5350.0000	38.38	12.28	50.66	54.00	-3.34	AVG	
5	5379.4000	45.43	12.35	57.78	74.00	-16.22	Peak	
6	5379.4000	38.52	12.35	50.87	54.00	-3.13	AVG	

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

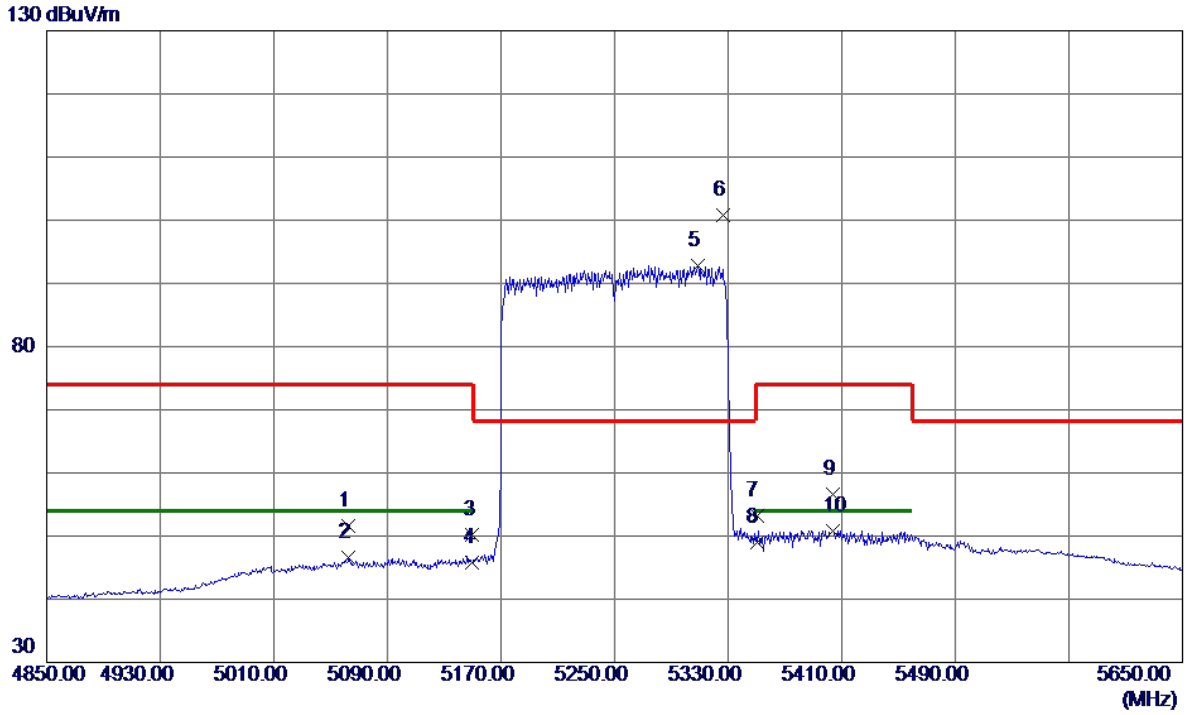
Test Mode	UNII-2A_TX AX(HE80) Mode 5290 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10606.3000	26.47	8.42	34.89	54.00	-19.11	AVG	
2	10611.2000	35.99	8.42	44.41	74.00	-29.59	Peak	

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

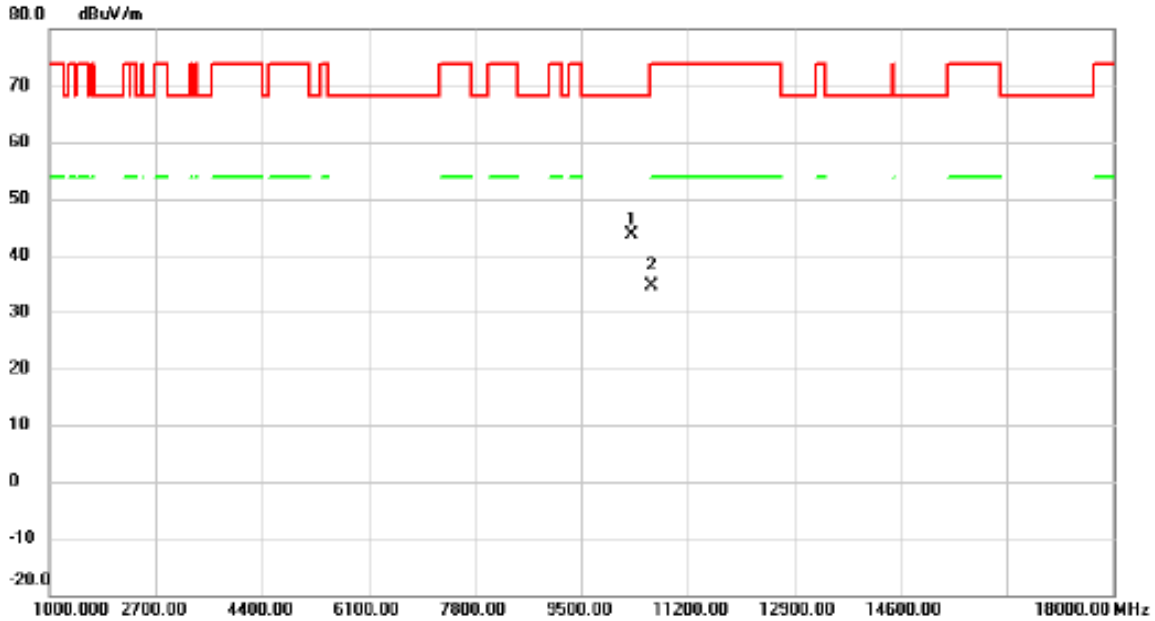
Test Mode	UNII-1+UNII-2A_TX AX(HE160) Mode 5250 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5062.8000	40.03	11.63	51.66	74.00	-22.34	Peak	
2	5062.8000	34.98	11.63	46.61	54.00	-7.39	AVG	
3	5150.0000	38.33	11.83	50.16	74.00	-23.84	Peak	
4	5150.0000	33.93	11.83	45.76	54.00	-8.24	AVG	
5	5308.8000	80.53	12.19	92.72	999.00	-906.28	AVG	No Limit
6 *	5326.4000	88.65	12.23	100.88	68.20	32.68	Peak	No Limit
7	5350.0000	40.91	12.28	53.19	74.00	-20.81	Peak	
8	5350.0000	36.65	12.28	48.93	54.00	-5.07	AVG	
9	5404.0000	44.14	12.41	56.55	74.00	-17.45	Peak	
10	5404.0000	38.48	12.41	50.89	54.00	-3.11	AVG	

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

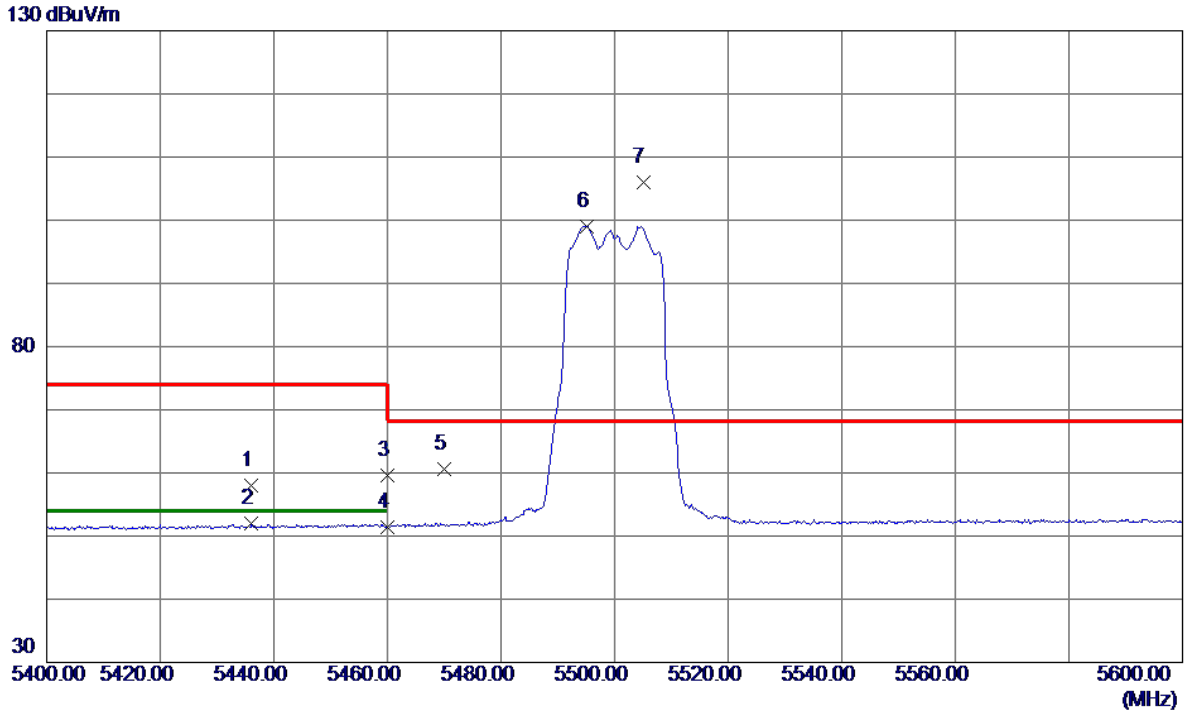
Test Mode	UNII-1+UNII-2A_TX AX(HE160) Mode 5250 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10310.80	35.54	8.16	43.70	68.20	-24.50	peak	
2	*	10619.20	26.09	8.43	34.52	54.00	-19.48	AVG	No Limit

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

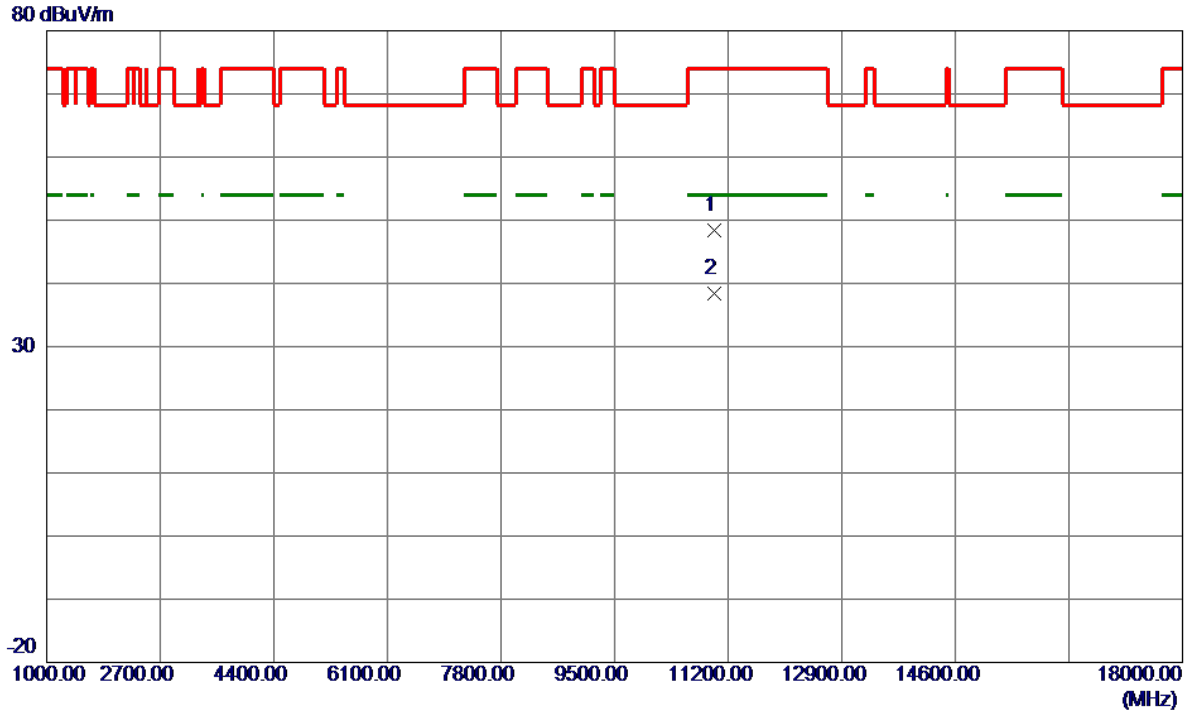
Test Mode	UNII-2C_TX A Mode 5500 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5436.1000	45.53	12.48	58.01	74.00	-15.99	Peak	
2	5436.1000	39.52	12.48	52.00	54.00	-2.00	AVG	
3	5460.0000	47.04	12.53	59.57	74.00	-14.43	Peak	
4	5460.0000	38.96	12.53	51.49	54.00	-2.51	AVG	
5	5470.0000	48.07	12.56	60.63	68.20	-7.57	Peak	
6	5495.2000	86.48	12.61	99.09	999.00	-899.91	AVG	No Limit
7 *	5505.0000	93.46	12.64	106.10	68.20	37.90	Peak	No Limit

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

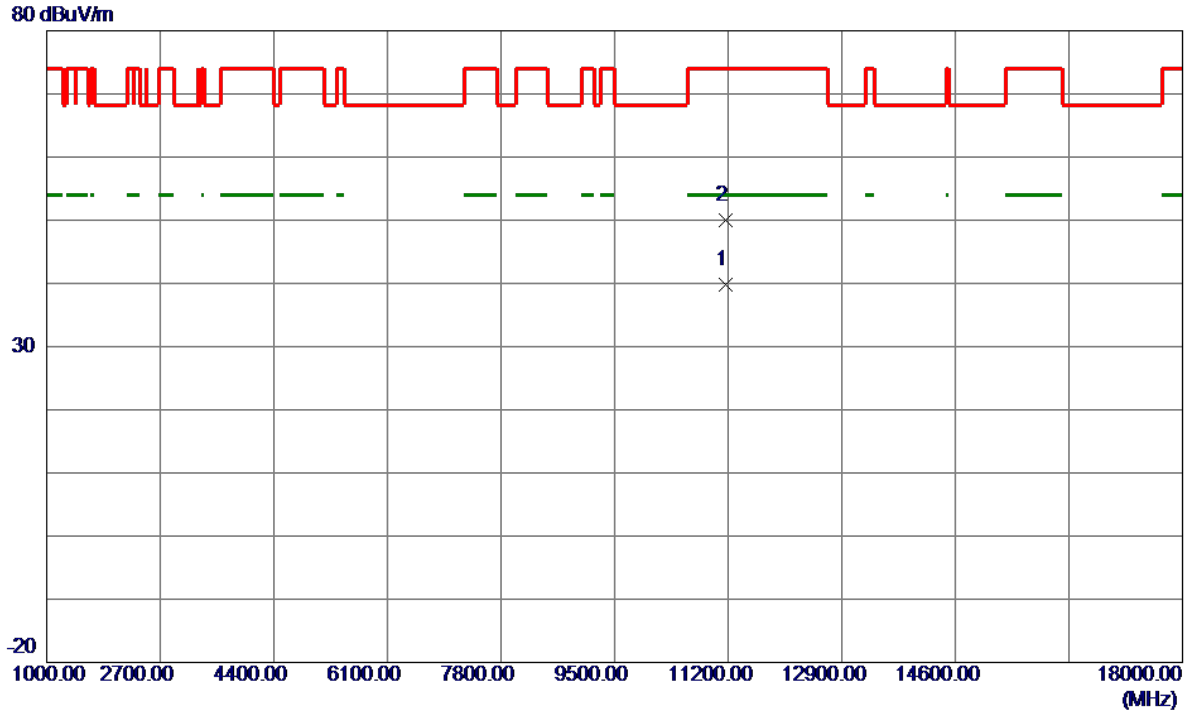
Test Mode	UNII-2C_TX A Mode 5500 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10994.4500	39.88	8.53	48.41	74.00	-25.59	Peak	
2 *	11000.6000	29.87	8.53	38.40	54.00	-15.60	AVG	

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

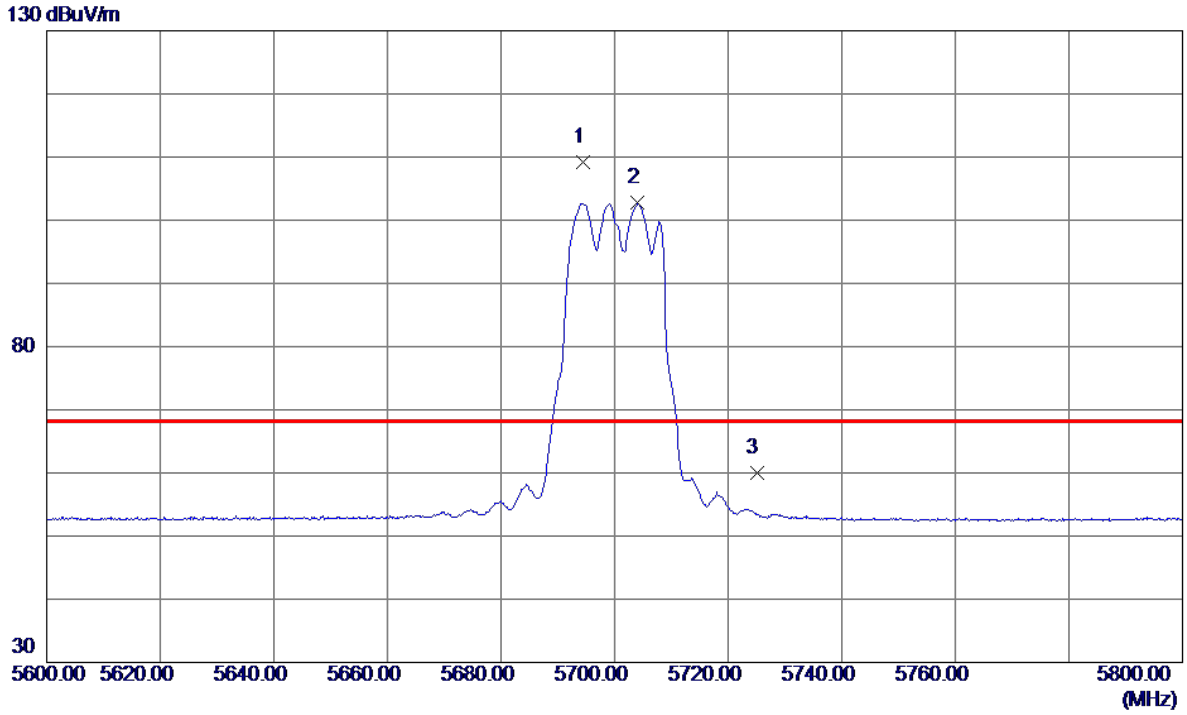
Test Mode	UNII-2C_TX A Mode 5580 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11160.1500	31.16	8.69	39.85	54.00	-14.15	AVG	
2	11160.2250	41.22	8.69	49.91	74.00	-24.09	Peak	

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

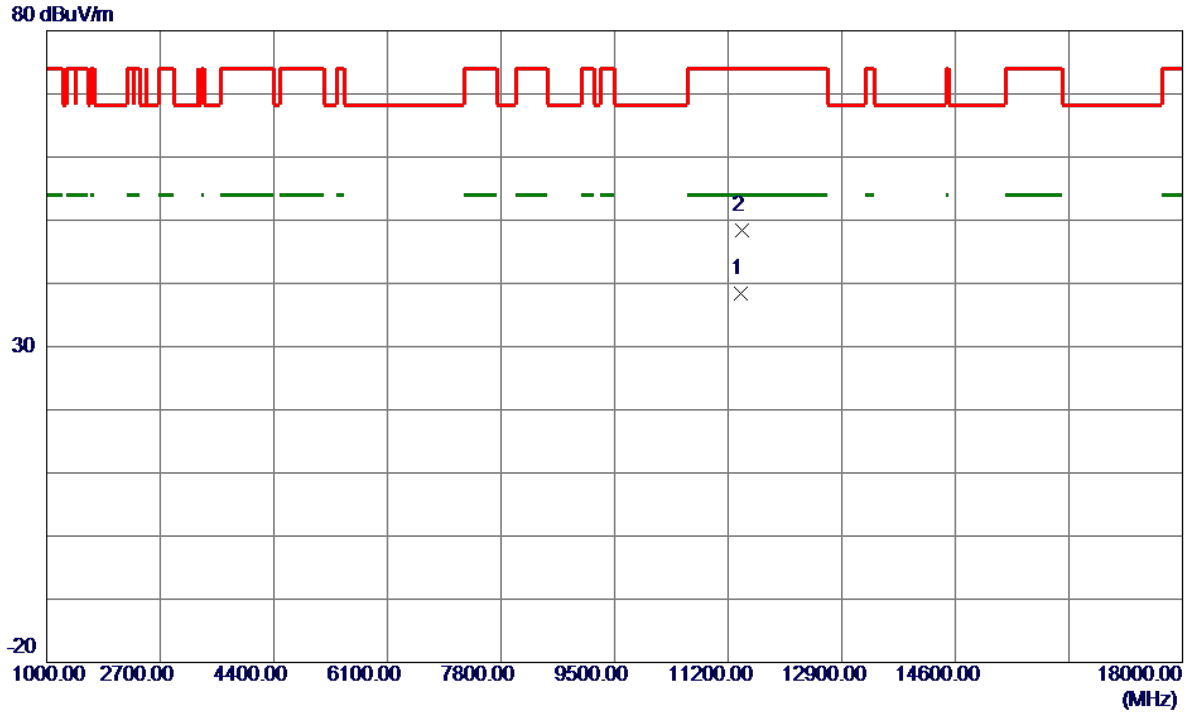
Test Mode	UNII-2C_TX A Mode 5700 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5694.5000	95.97	13.24	109.21	68.20	41.01	Peak	No Limit
2	5704.1000	89.49	13.27	102.76	999.00	-896.24	AVG	No Limit
3	5725.0000	46.68	13.33	60.01	68.20	-8.19	Peak	

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

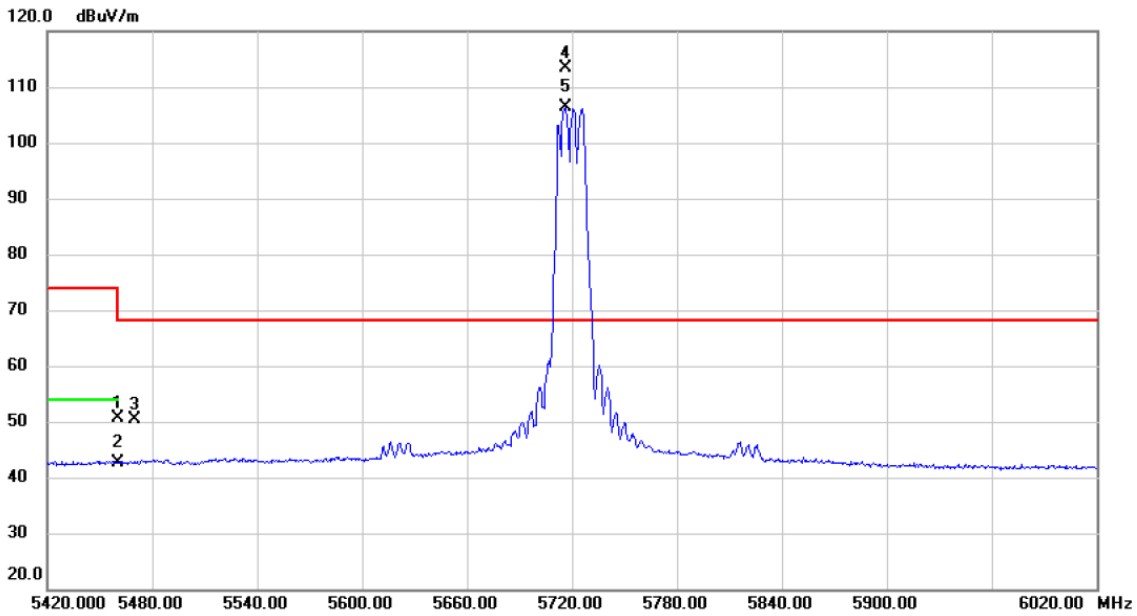
Test Mode	UNII-2C_TX A Mode 5700 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11396.2000	29.44	8.93	38.37	54.00	-15.63	AVG	
2	11400.8000	39.42	8.93	48.35	74.00	-25.65	Peak	

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

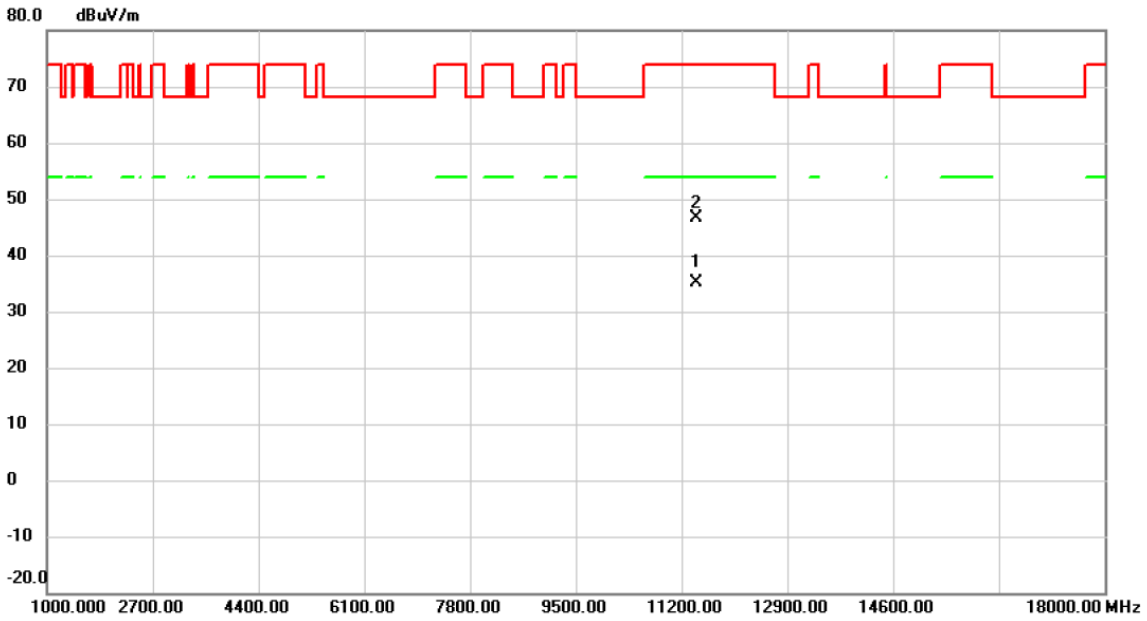
Test Mode	UNII-2C_TX A Mode 5720 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5460.000	38.52	12.20	50.72	74.00	-23.28	peak	
2		5460.000	30.45	12.20	42.65	54.00	-11.35	AVG	
3		5470.000	38.08	12.20	50.28	68.20	-17.92	peak	
4	*	5716.100	100.38	12.97	113.35	68.20	45.15	peak	No Limit
5	X	5716.100	93.36	12.97	106.33	68.20	38.13	AVG	No Limit

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

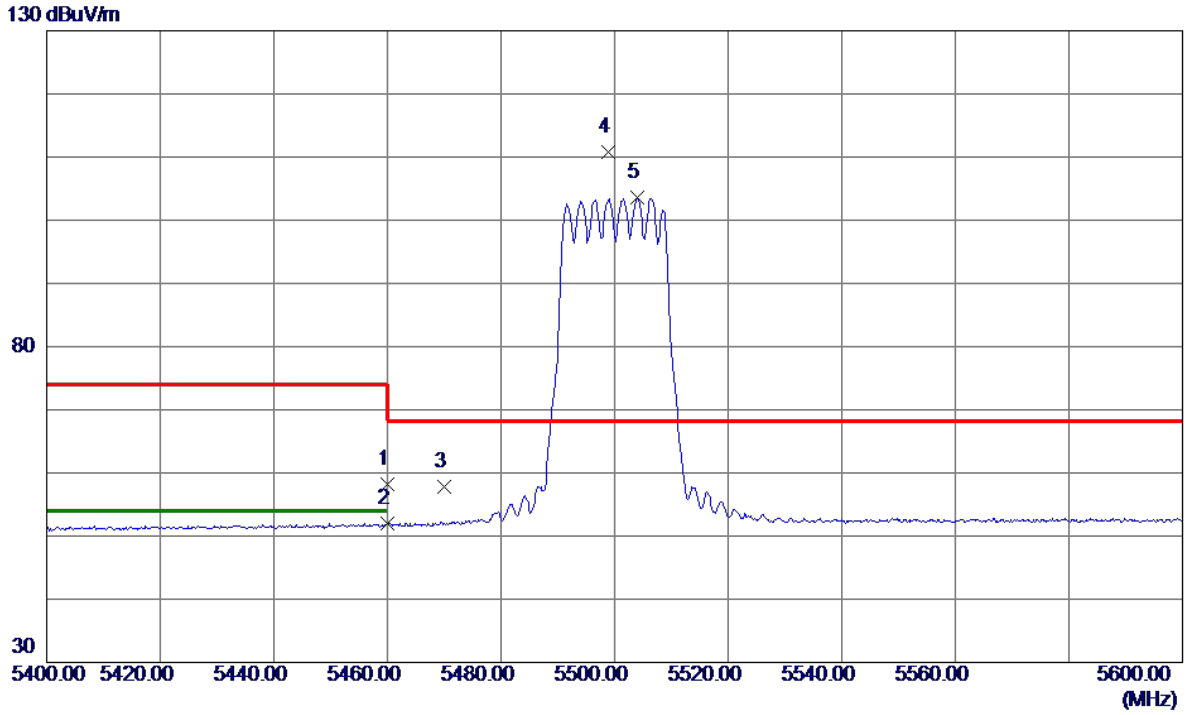
Test Mode	UNII-2C_TX A Mode 5720 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11440.347	26.66	8.35	35.01	54.00	-18.99	AVG	
2		11442.112	38.20	8.35	46.55	74.00	-27.45	peak	

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

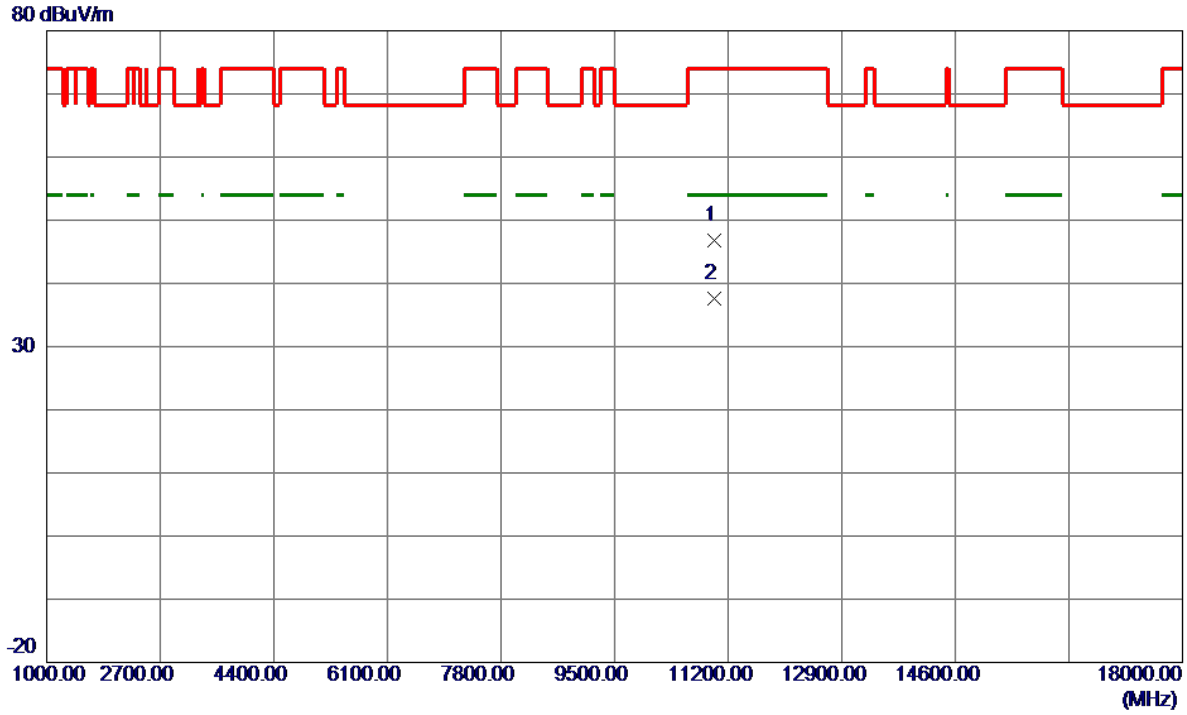
Test Mode	UNII-2C_TX AC(VHT20) Mode 5500 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	45.75	12.53	58.28	74.00	-15.72	Peak	
2	5460.0000	39.42	12.53	51.95	54.00	-2.05	AVG	
3	5470.0000	45.30	12.56	57.86	68.20	-10.34	Peak	
4 *	5498.8000	98.15	12.62	110.77	68.20	42.57	Peak	No Limit
5	5504.0000	90.92	12.64	103.56	999.00	-895.44	AVG	No Limit

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

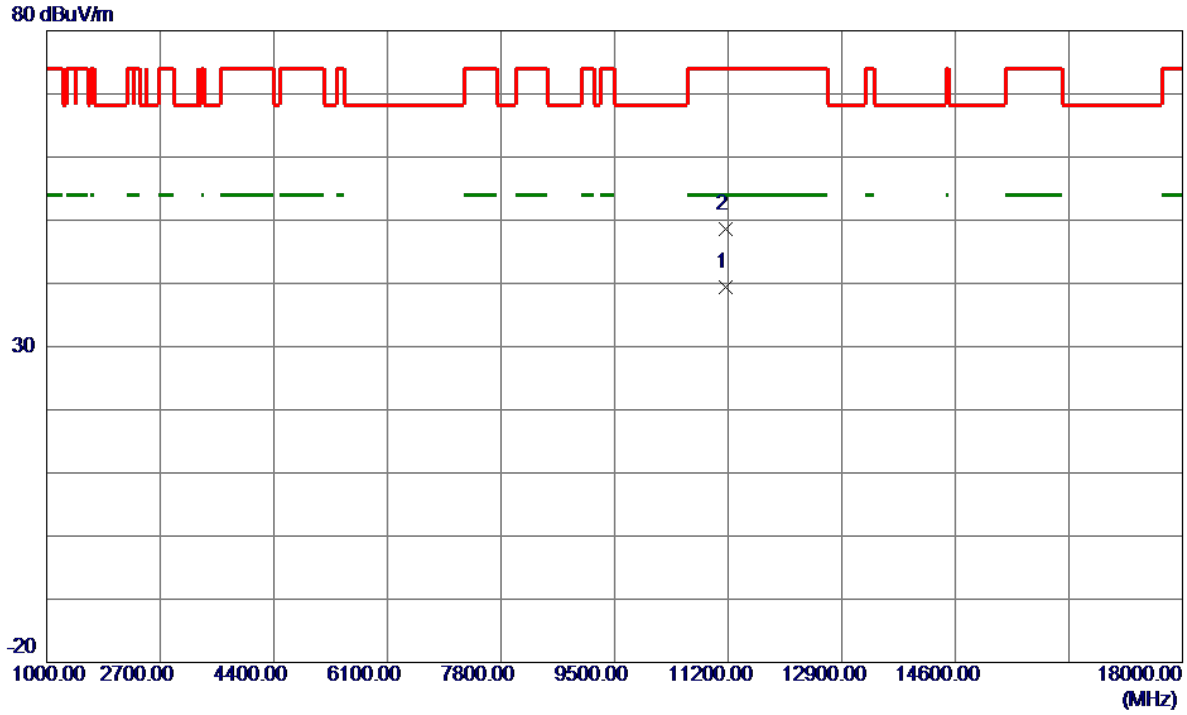
Test Mode	UNII-2C_TX AC(VHT20) Mode 5500 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10999.8250	38.26	8.53	46.79	74.00	-27.21	Peak	
2 *	10999.9000	29.08	8.53	37.61	54.00	-16.39	AVG	

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

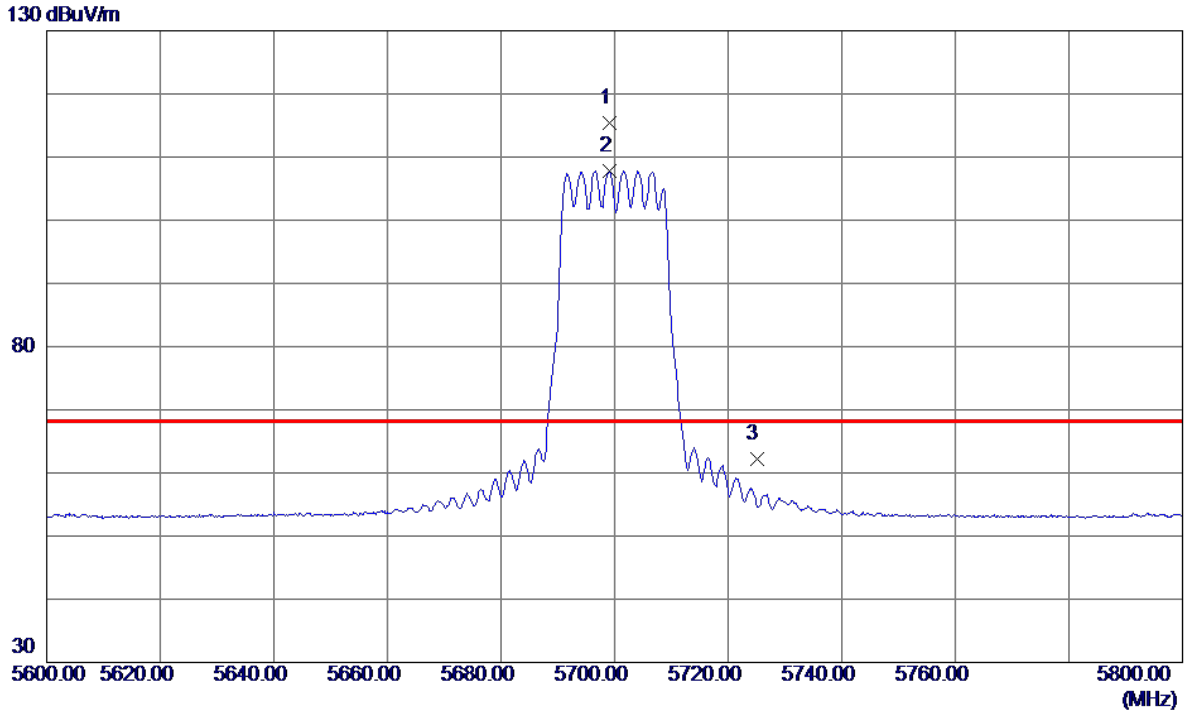
Test Mode	UNII-2C_TX AC(VHT20) Mode 5580 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11159.7750	30.78	8.69	39.47	54.00	-14.53	AVG	
2	11162.7250	39.84	8.69	48.53	74.00	-25.47	Peak	

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

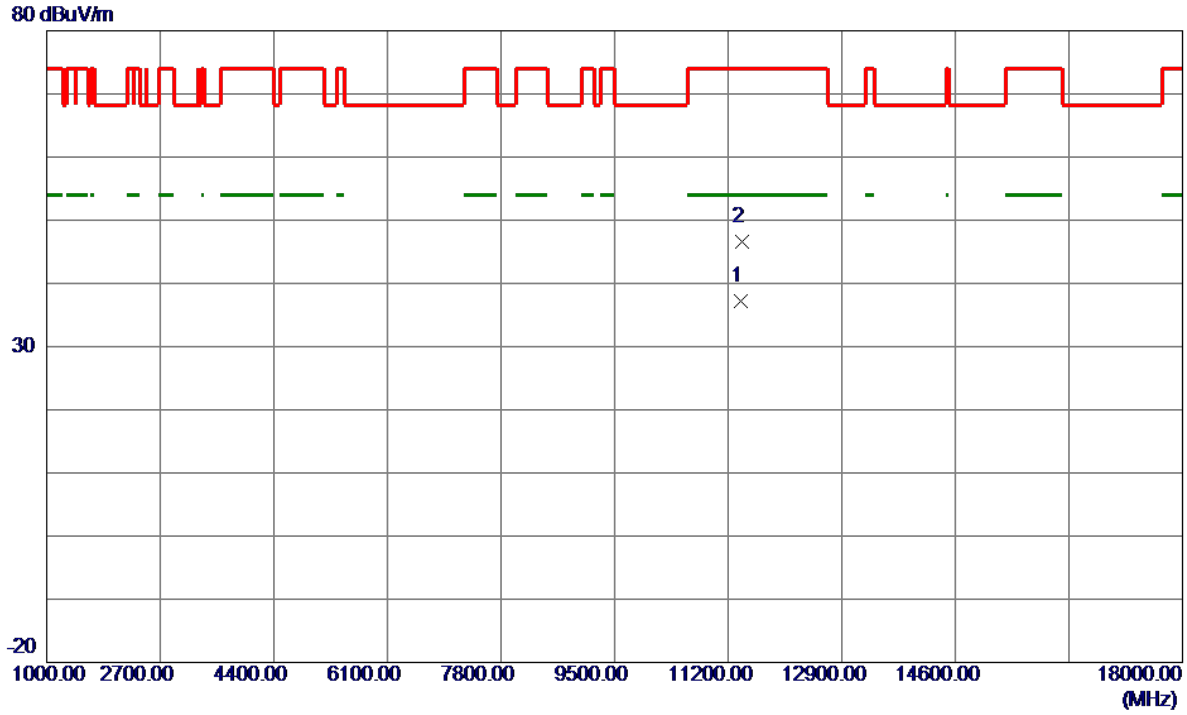
Test Mode	UNII-2C_TX AC(VHT20) Mode 5700 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5699.1000	102.09	13.25	115.34	68.20	47.14	Peak	No Limit
2	5699.1000	94.56	13.25	107.81	999.00	-891.19	AVG	No Limit
3	5725.0000	48.90	13.33	62.23	68.20	-5.97	Peak	

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

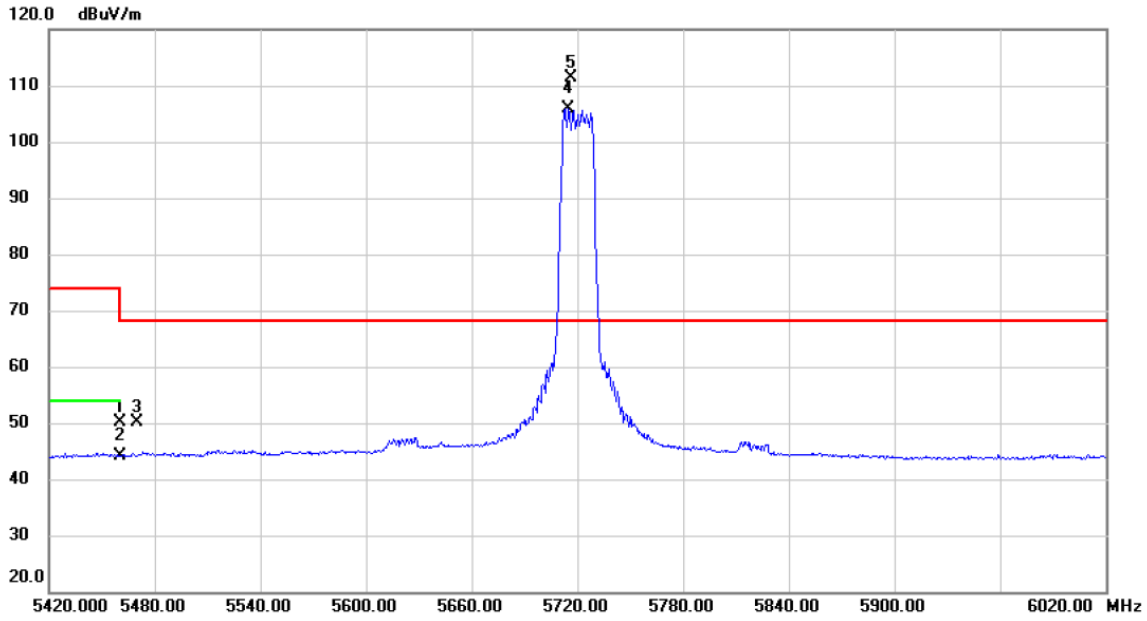
Test Mode	UNII-2C_TX AC(VHT20) Mode 5700 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11398.0250	28.31	8.93	37.24	54.00	-16.76	AVG	
2	11403.0750	37.58	8.94	46.52	74.00	-27.48	Peak	

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

Test Mode	UNII-2C_TX AC(VHT20) Mode 5720 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		5460.000	37.83	12.20	50.03	74.00	-23.97	peak	
2		5460.000	32.02	12.20	44.22	54.00	-9.78	AVG	
3		5470.000	37.94	12.20	50.14	68.20	-18.06	peak	
4	X	5715.200	92.83	12.97	105.80	68.20	37.60	AVG	No Limit
5	*	5716.100	98.41	12.97	111.38	68.20	43.18	peak	No Limit

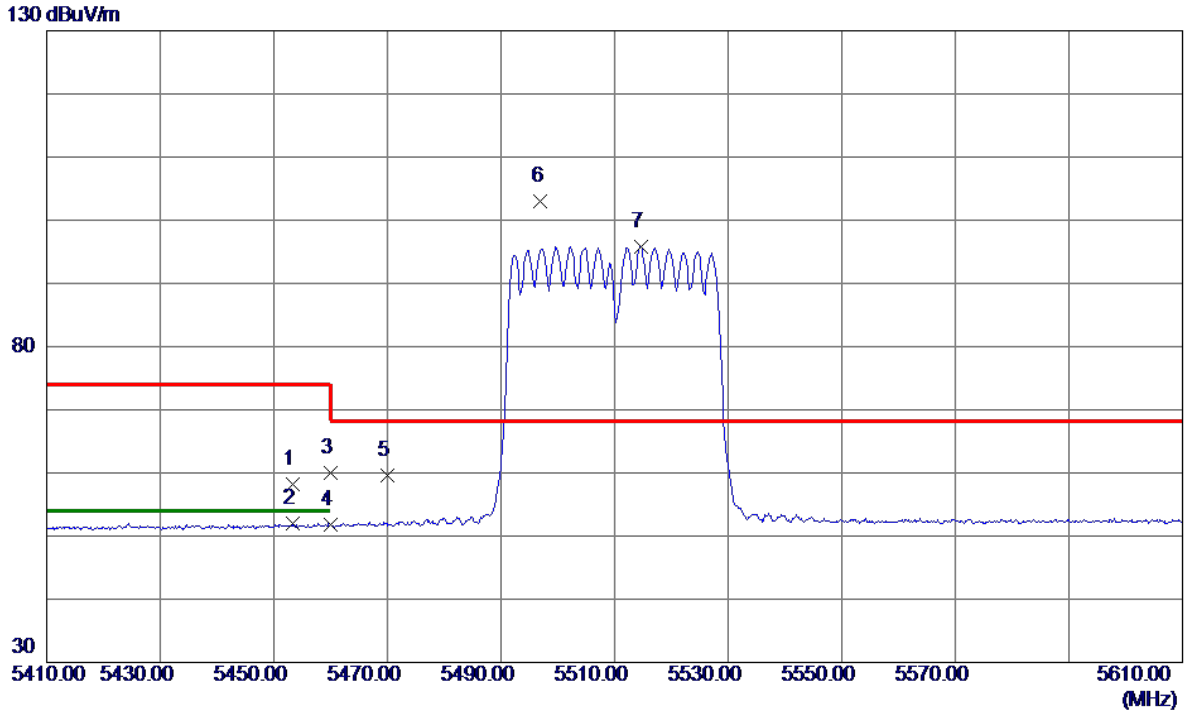
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AC(VHT20) Mode 5720 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		11439.610	37.46	8.36	45.82	74.00	-28.18	peak	
2	*	11441.640	26.07	8.35	34.42	54.00	-19.58	AVG	

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

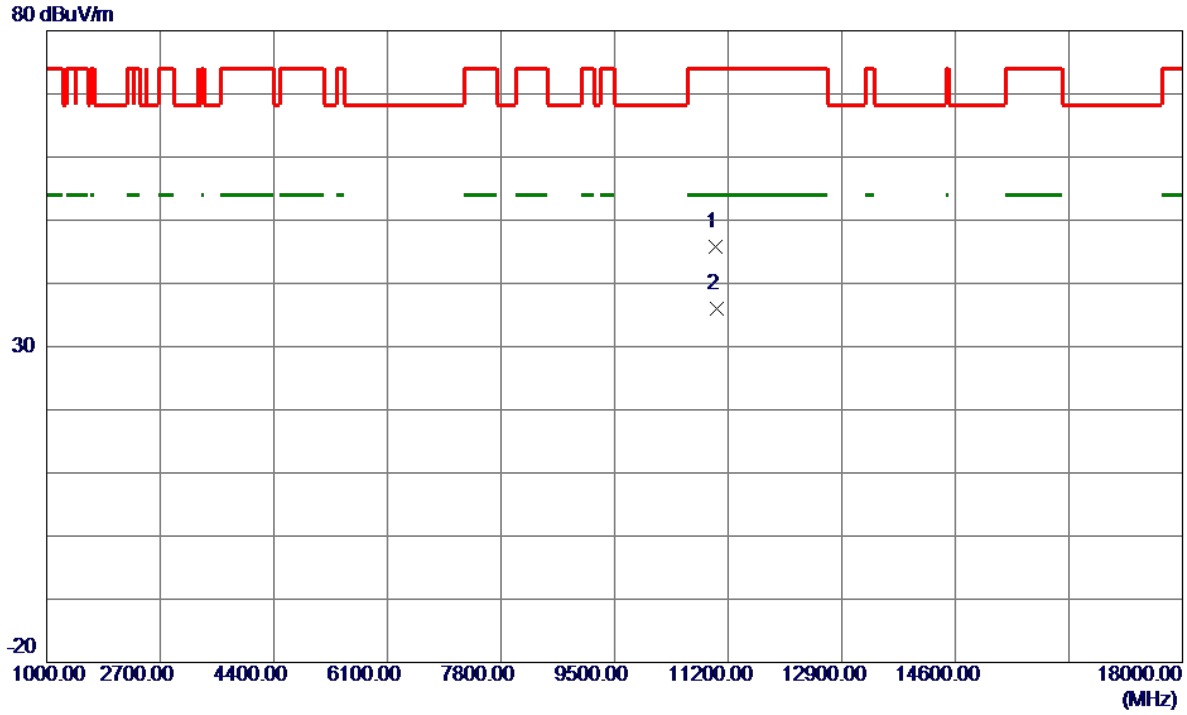
Test Mode	UNII-2C_TX AC(VHT40) Mode 5510 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5453.3000	45.63	12.52	58.15	74.00	-15.85	Peak	
2	5453.3000	39.46	12.52	51.98	54.00	-2.02	AVG	
3	5460.0000	47.40	12.53	59.93	74.00	-14.07	Peak	
4	5460.0000	39.20	12.53	51.73	54.00	-2.27	AVG	
5	5470.0000	47.08	12.56	59.64	68.20	-8.56	Peak	
6 *	5497.0000	90.41	12.62	103.03	68.20	34.83	Peak	No Limit
7	5514.6000	83.13	12.67	95.80	999.00	-903.20	AVG	No Limit

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

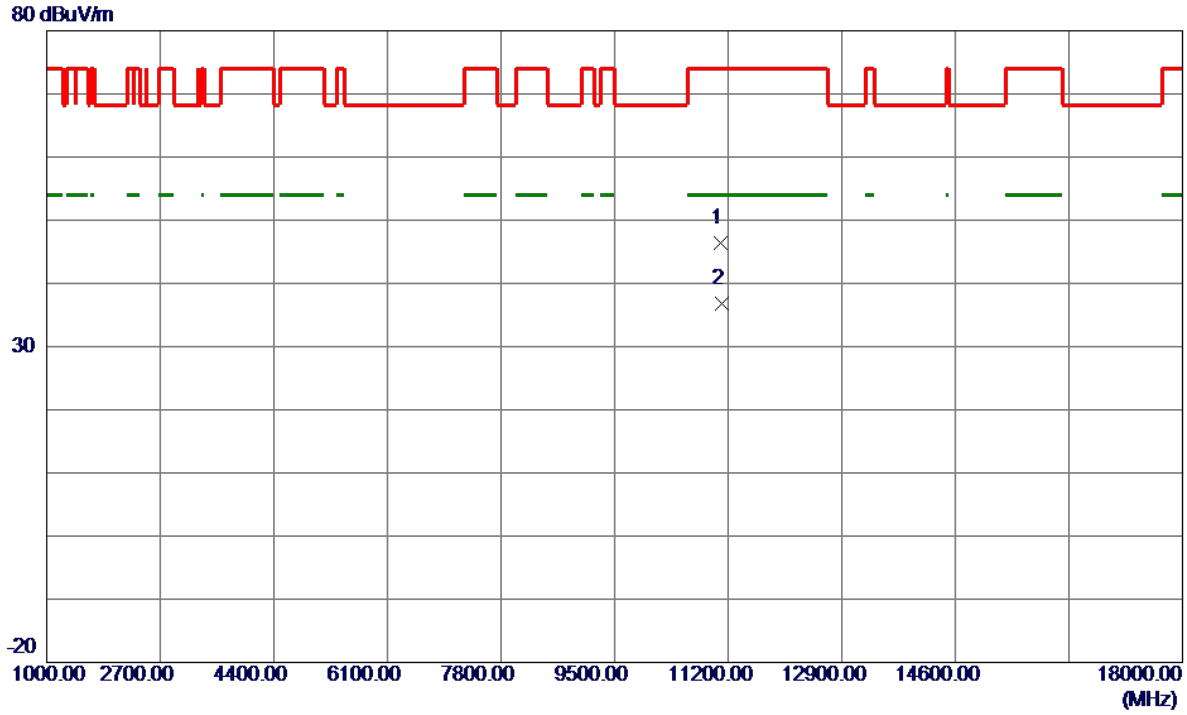
Test Mode	UNII-2C_TX AC(VHT40) Mode 5510 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11020.3000	37.31	8.55	45.86	74.00	-28.14	Peak	
2 *	11025.1500	27.42	8.56	35.98	54.00	-18.02	AVG	

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

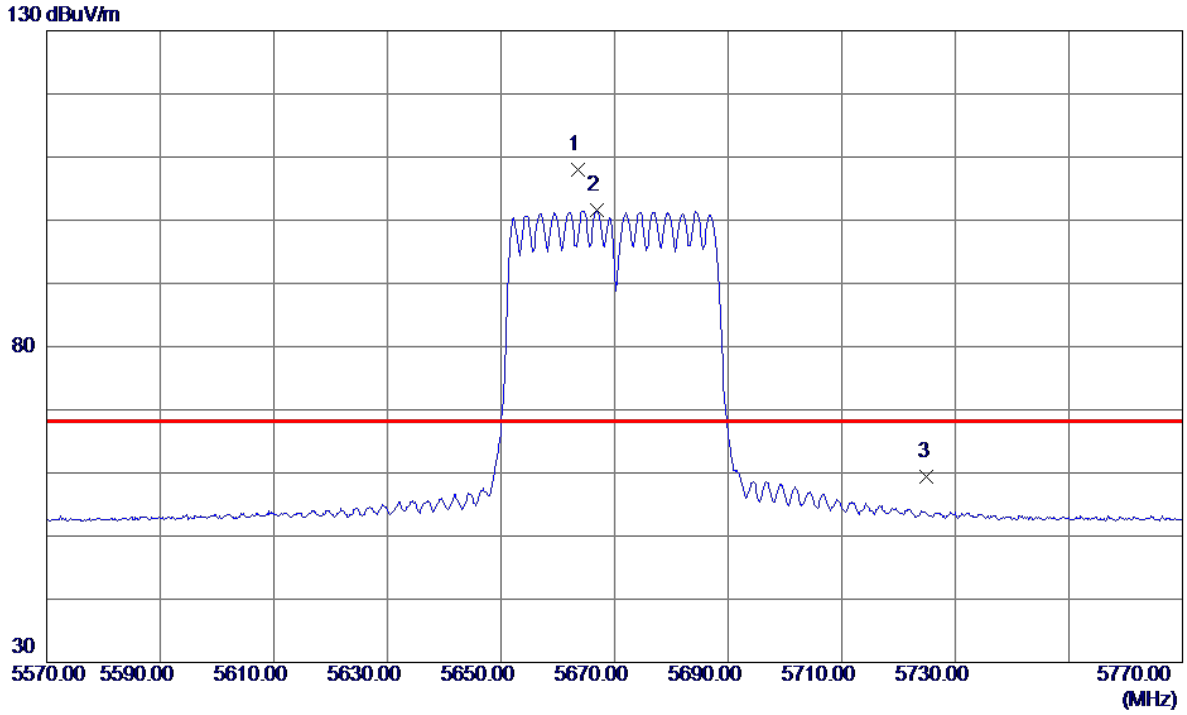
Test Mode	UNII-2C_TX AC(VHT40) Mode 5550 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11095.3500	37.78	8.63	46.41	74.00	-27.59	Peak	
2 *	11100.1500	28.09	8.63	36.72	54.00	-17.28	AVG	

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

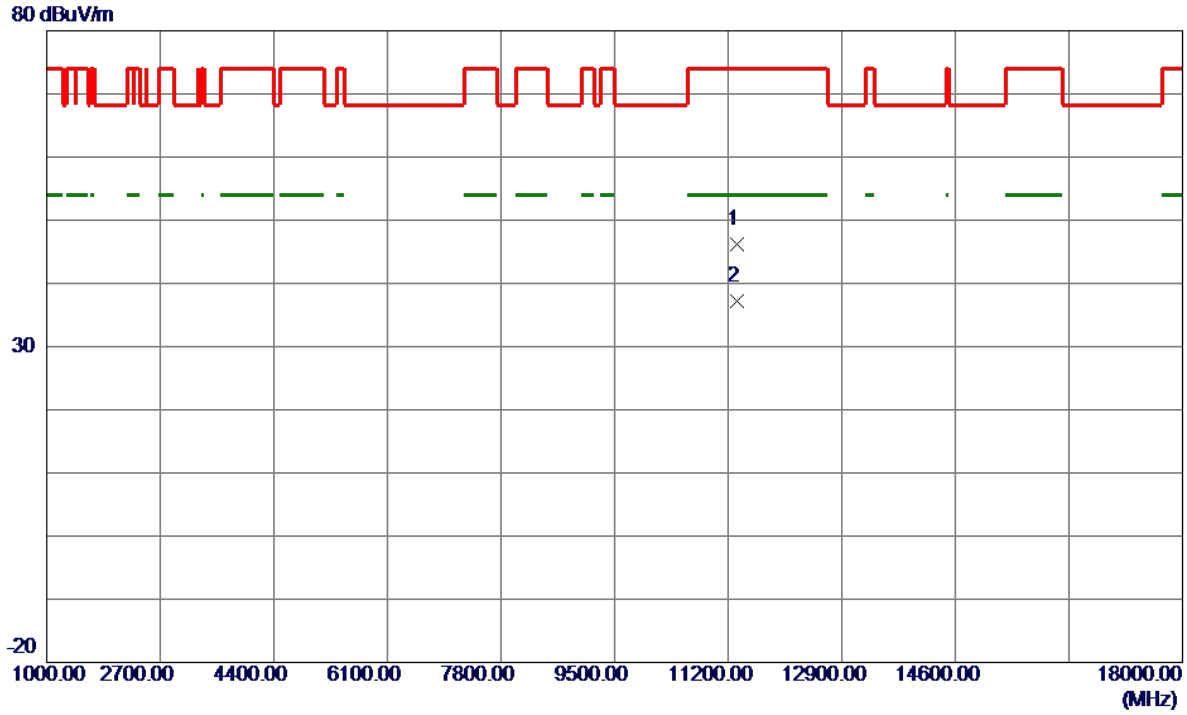
Test Mode	UNII-2C_TX AC(VHT40) Mode 5670 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5663.6000	94.85	13.14	107.99	68.20	39.79	Peak	No Limit
2	5666.8000	88.49	13.15	101.64	999.00	-897.36	AVG	No Limit
3	5725.0000	46.03	13.33	59.36	68.20	-8.84	Peak	

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

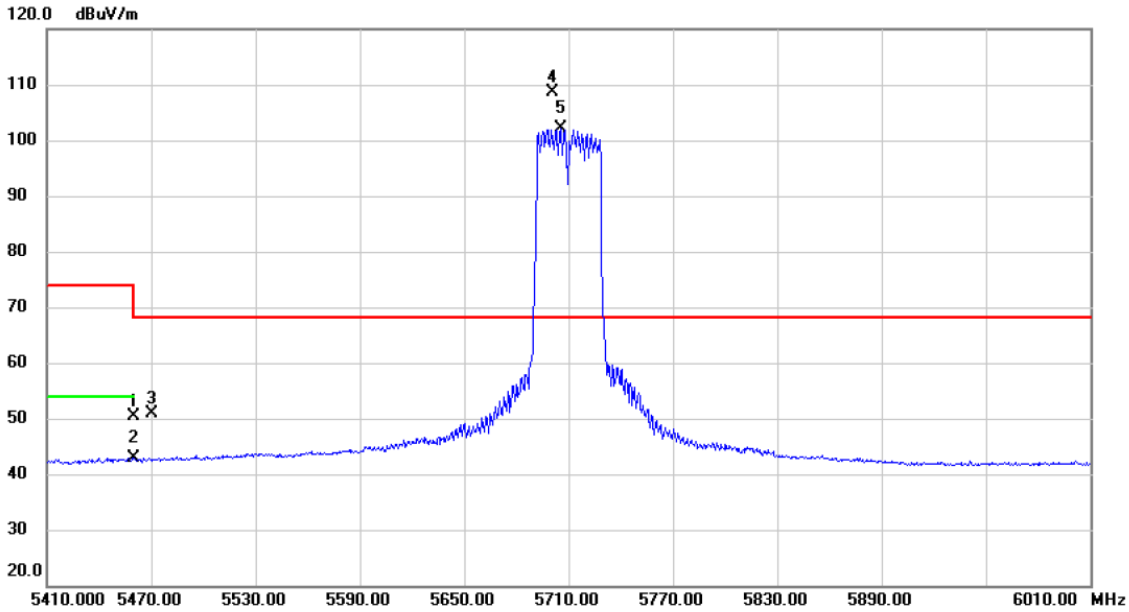
Test Mode	UNII-2C_TX AC(VHT40) Mode 5670 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11327.5500	37.42	8.86	46.28	74.00	-27.72	Peak	
2 *	11340.2500	28.33	8.87	37.20	54.00	-16.80	AVG	

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

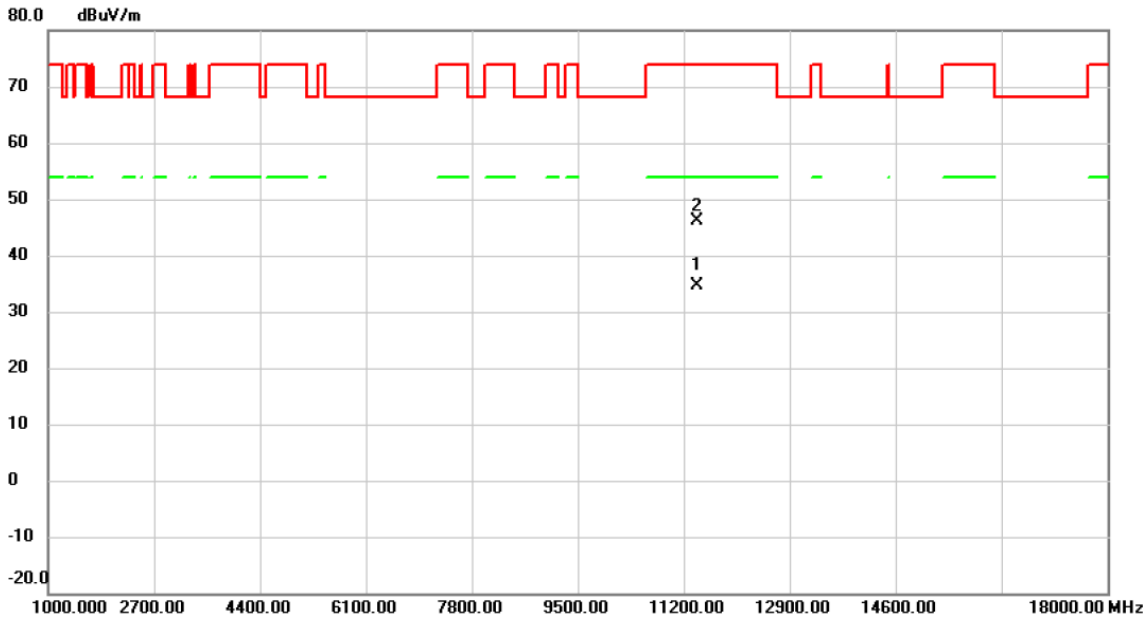
Test Mode	UNII-2C_TX AC(VHT40) Mode 5710 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5460.000	38.30	12.20	50.50	74.00	-23.50	peak	
2		5460.000	30.65	12.20	42.85	54.00	-11.15	AVG	
3		5470.000	38.64	12.20	50.84	68.20	-17.36	peak	
4	*	5700.700	95.65	12.91	108.56	68.20	40.36	peak	No Limit
5	X	5705.500	89.28	12.93	102.21	68.20	34.01	AVG	No Limit

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

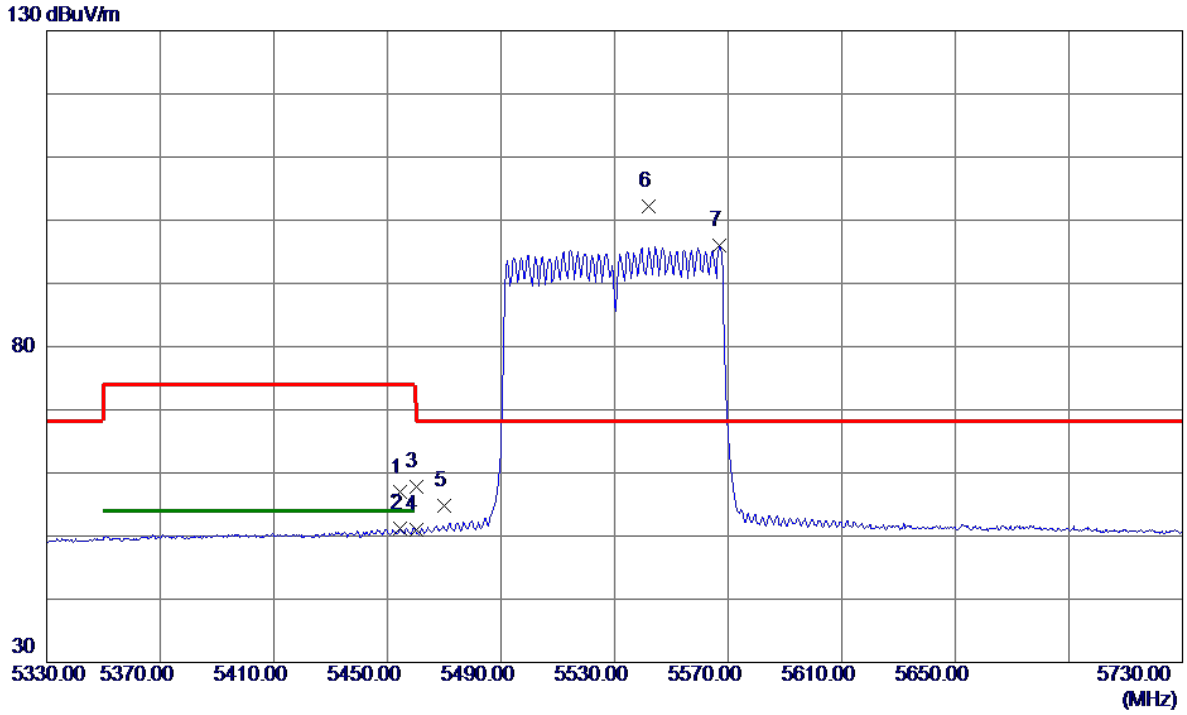
Test Mode	UNII-2C_TX AC(VHT40) Mode 5710 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11419.878	26.39	8.36	34.75	54.00	-19.25	AVG	
2		11422.390	37.75	8.35	46.10	74.00	-27.90	peak	

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

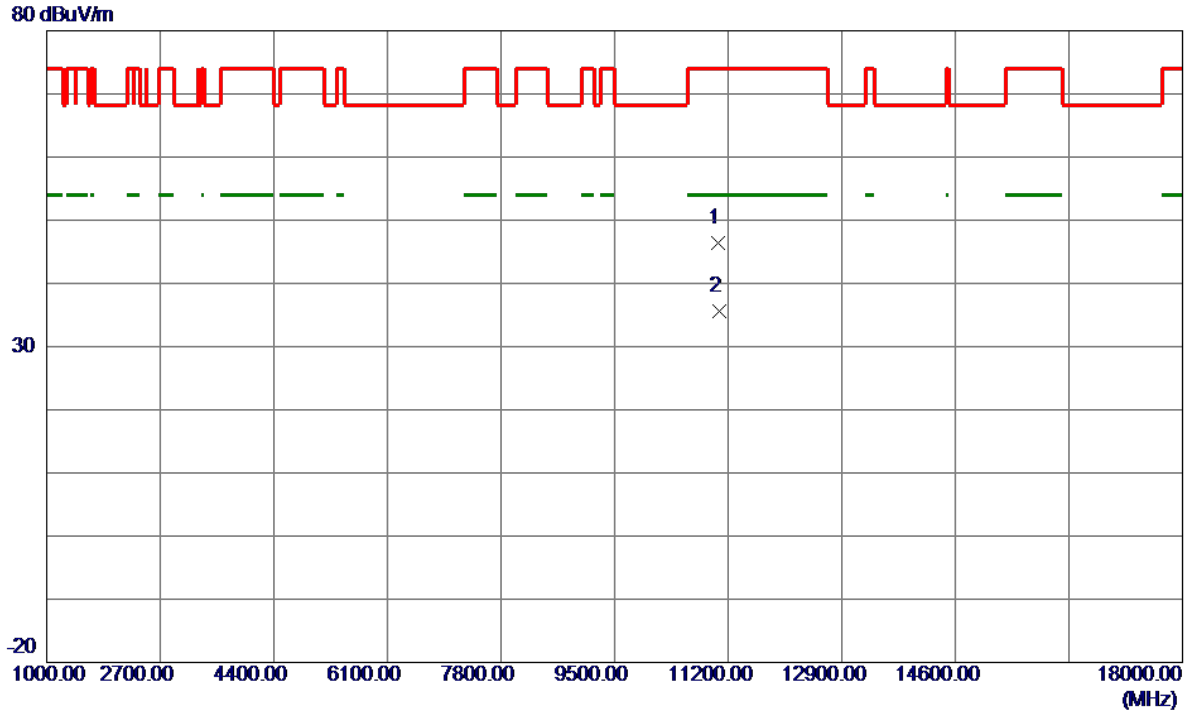
Test Mode	UNII-2C_TX AC(VHT80) Mode 5530 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5454.6000	44.38	12.52	56.90	74.00	-17.10	Peak	
2	5454.6000	38.70	12.52	51.22	54.00	-2.78	AVG	
3	5460.0000	45.32	12.53	57.85	74.00	-16.15	Peak	
4	5460.0000	38.42	12.53	50.95	54.00	-3.05	AVG	
5	5470.0000	42.22	12.56	54.78	68.20	-13.42	Peak	
6 *	5542.2000	89.45	12.76	102.21	68.20	34.01	Peak	No Limit
7	5567.0000	83.09	12.84	95.93	999.00	-903.07	AVG	No Limit

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

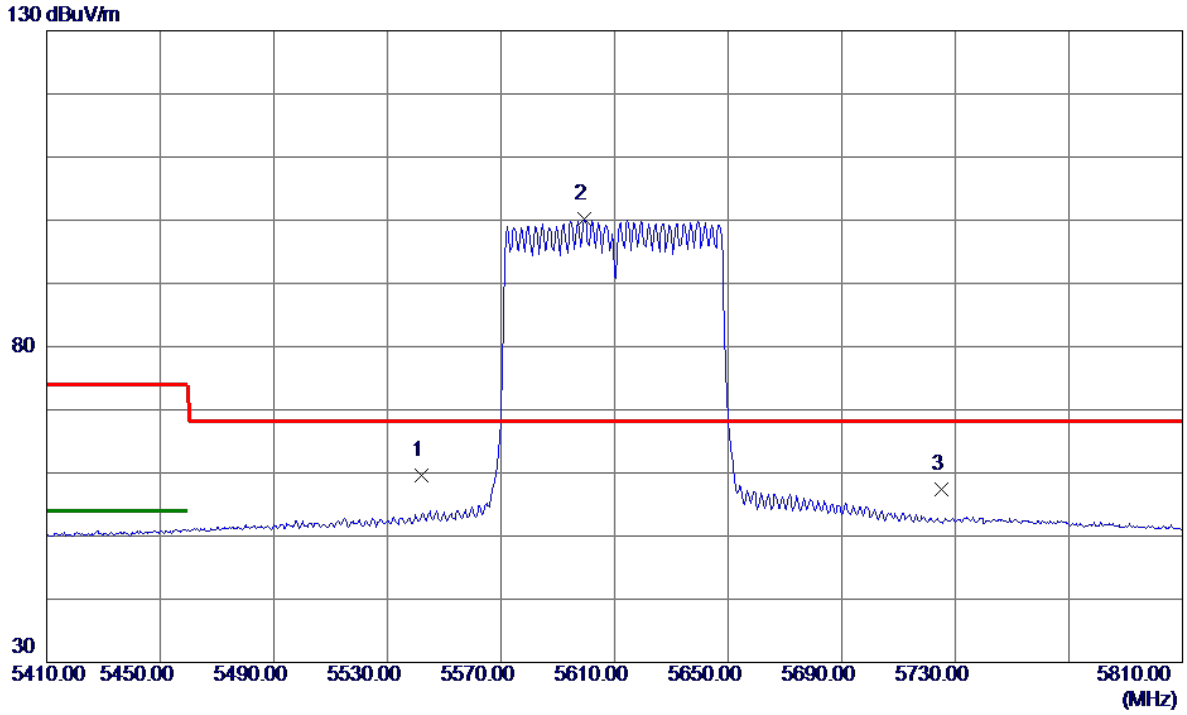
Test Mode	UNII-2C_TX AC(VHT80) Mode 5530 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11057.7000	37.82	8.59	46.41	74.00	-27.59	Peak	
2 *	11060.1000	26.95	8.59	35.54	54.00	-18.46	AVG	

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

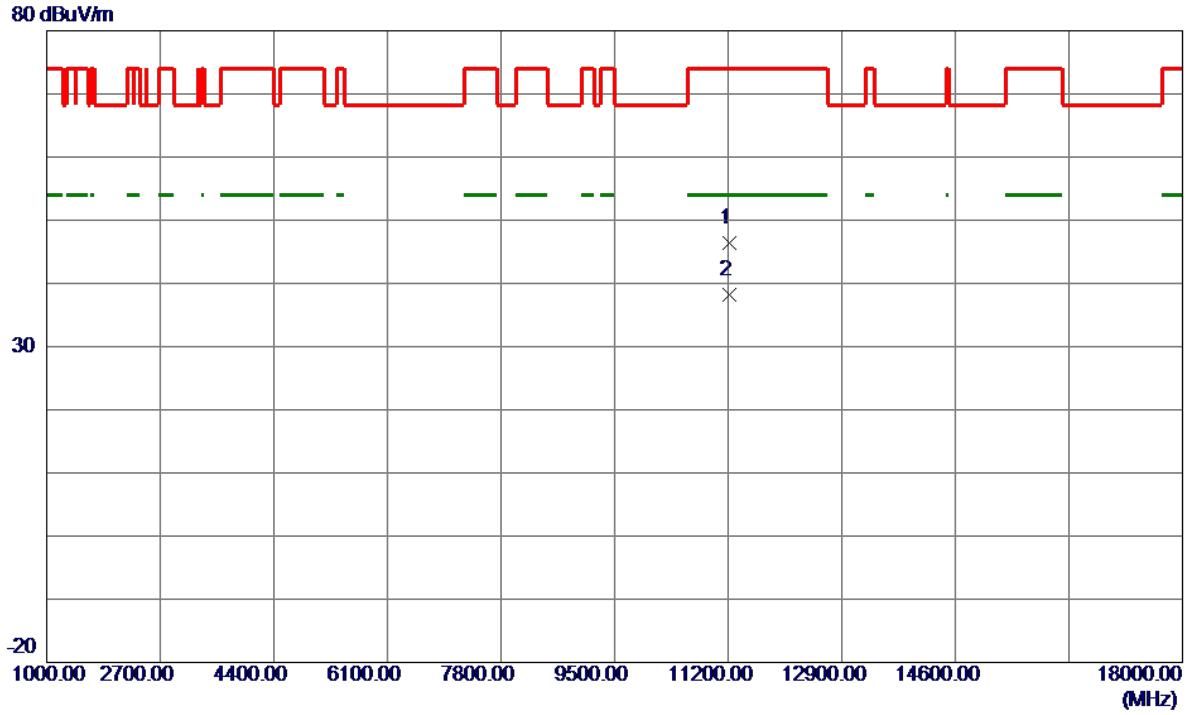
Test Mode	UNII-2C_TX AC(VHT80) Mode 5610 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5542.2000	46.80	12.76	59.56	68.20	-8.64	Peak	
2 *	5599.4000	87.26	12.94	100.20	68.20	32.00	Peak	No Limit
3	5725.0000	44.14	13.33	57.47	68.20	-10.73	Peak	

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

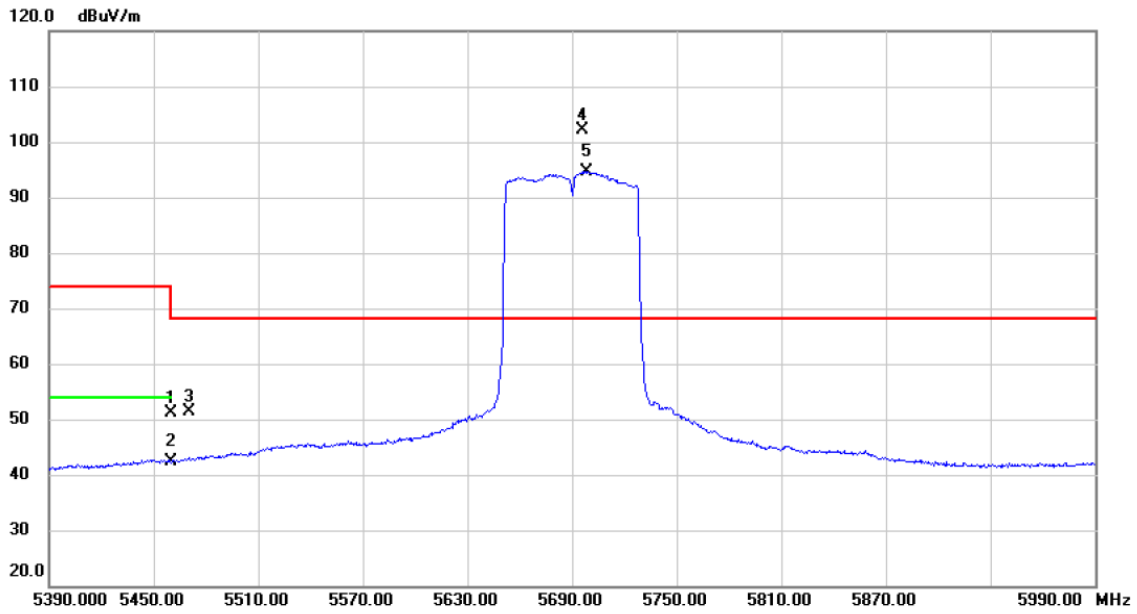
Test Mode	UNII-2C_TX AC(VHT80) Mode 5610 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11212.9000	37.69	8.75	46.44	74.00	-27.56	Peak	
2 *	11220.1000	29.38	8.75	38.13	54.00	-15.87	AVG	

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

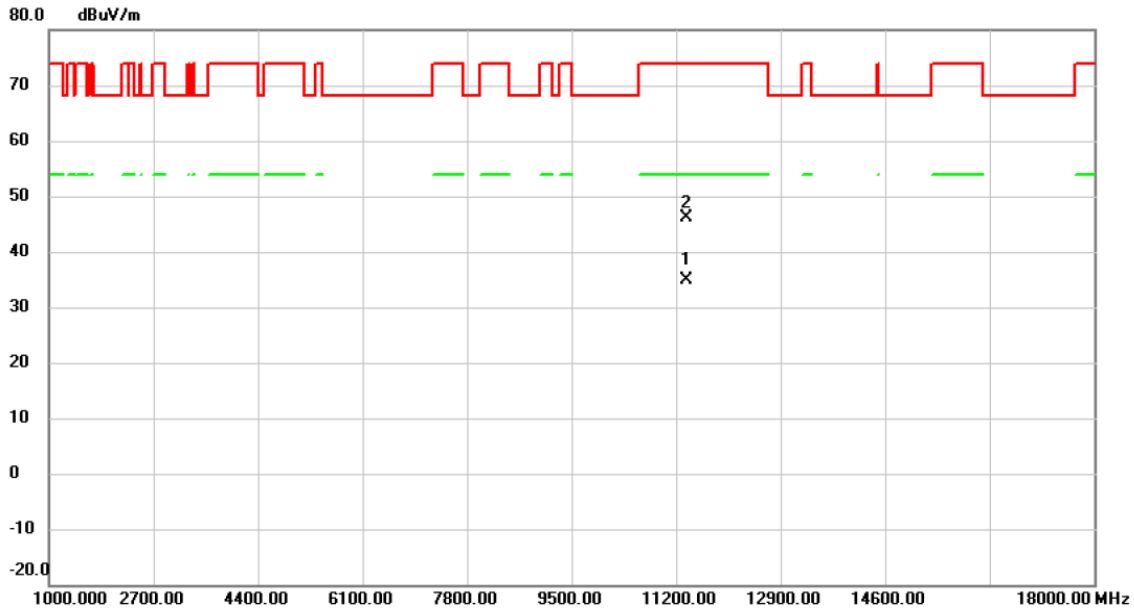
Test Mode	UNII-2C_TX AC(VHT80) Mode 5690 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5460.000	38.94	12.20	51.14	74.00	-22.86	peak	
2		5460.000	30.10	12.20	42.30	54.00	-11.70	AVG	
3		5470.000	39.29	12.20	51.49	68.20	-16.71	peak	
4	*	5696.300	89.35	12.90	102.25	68.20	34.05	peak	No Limit
5	X	5698.100	81.75	12.90	94.65	68.20	26.45	AVG	No Limit

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

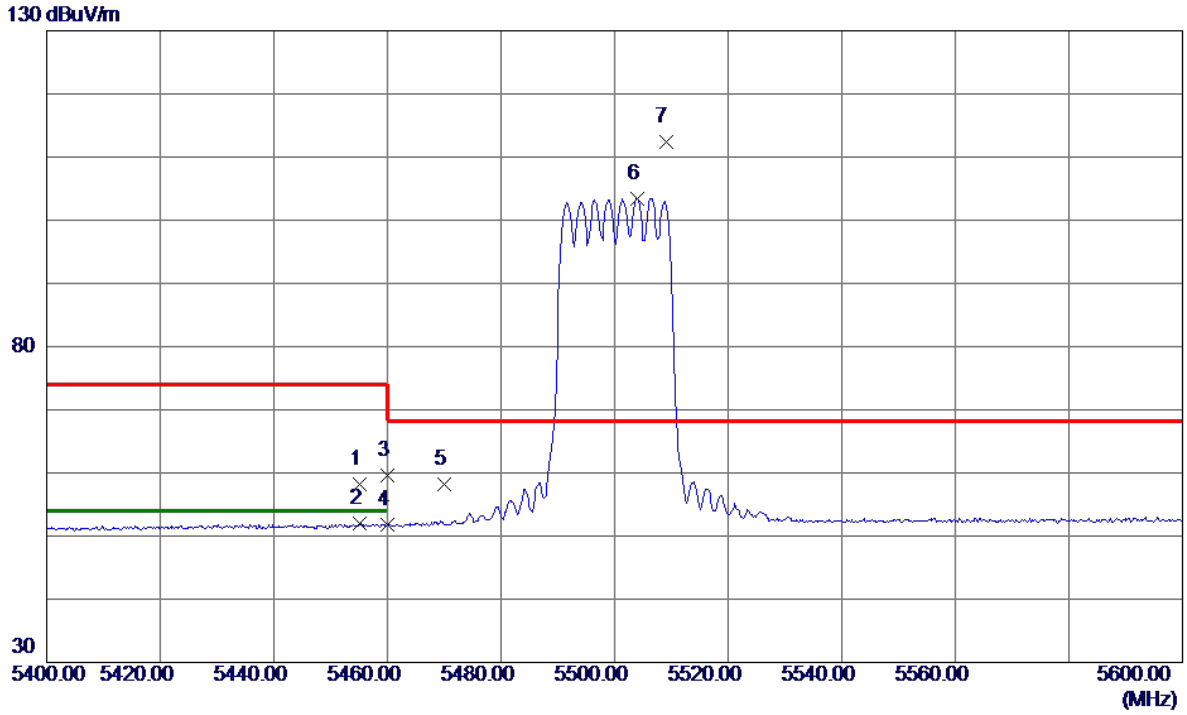
Test Mode	UNII-2C_TX AC(VHT80) Mode 5690 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11379.125	26.55	8.34	34.89	54.00	-19.11	AVG	
2		11380.933	37.89	8.34	46.23	74.00	-27.77	peak	

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

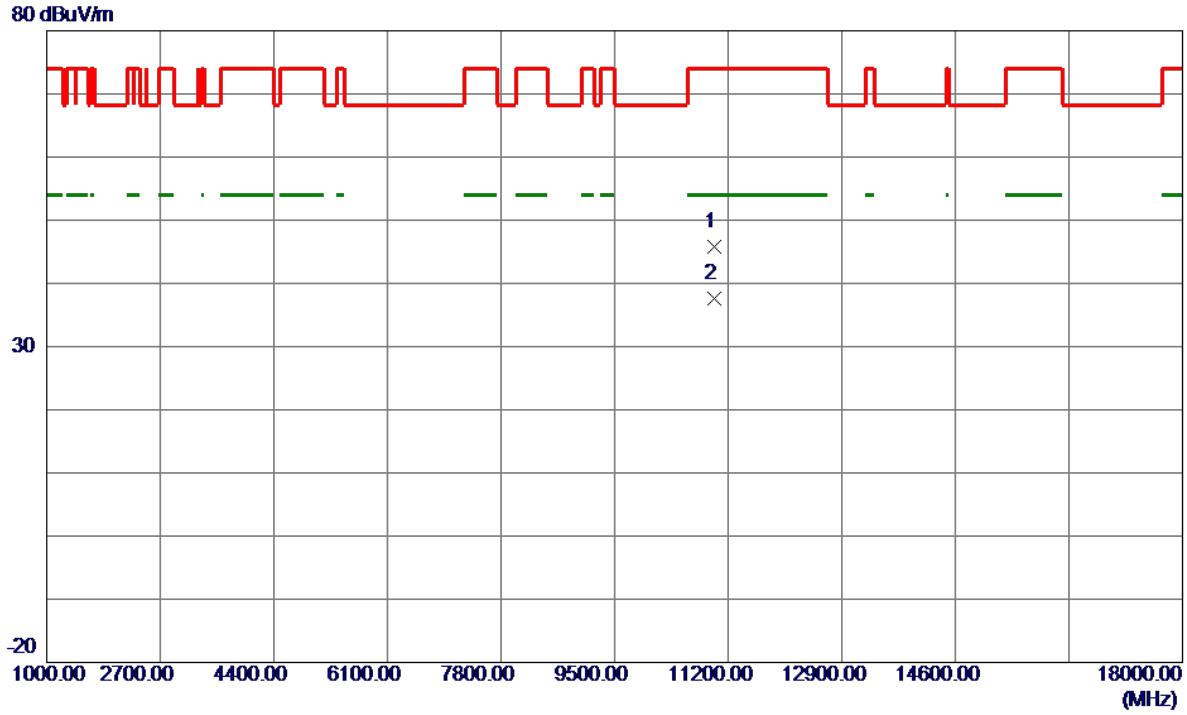
Test Mode	UNII-2C_TX AX(HE20) Mode 5500 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5455.2000	45.60	12.52	58.12	74.00	-15.88	Peak	
2	5455.2000	39.48	12.52	52.00	54.00	-2.00	AVG	
3	5460.0000	46.99	12.53	59.52	74.00	-14.48	Peak	
4	5460.0000	39.22	12.53	51.75	54.00	-2.25	AVG	
5	5470.0000	45.73	12.56	58.29	68.20	-9.91	Peak	
6	5504.0000	90.83	12.64	103.47	999.00	-895.53	AVG	No Limit
7 *	5509.0000	99.80	12.65	112.45	68.20	44.25	Peak	No Limit

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

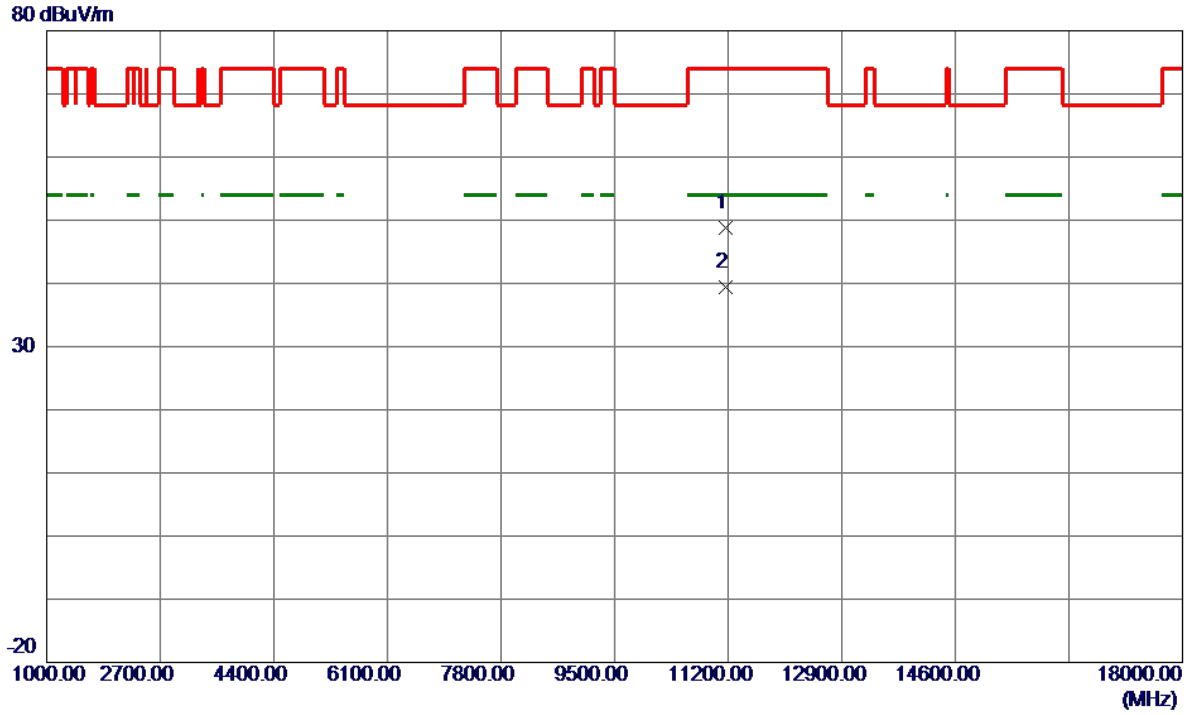
Test Mode	UNII-2C_TX AX(HE20) Mode 5500 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10995.4500	37.28	8.53	45.81	74.00	-28.19	Peak	
2 *	10999.9250	29.07	8.53	37.60	54.00	-16.40	AVG	

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

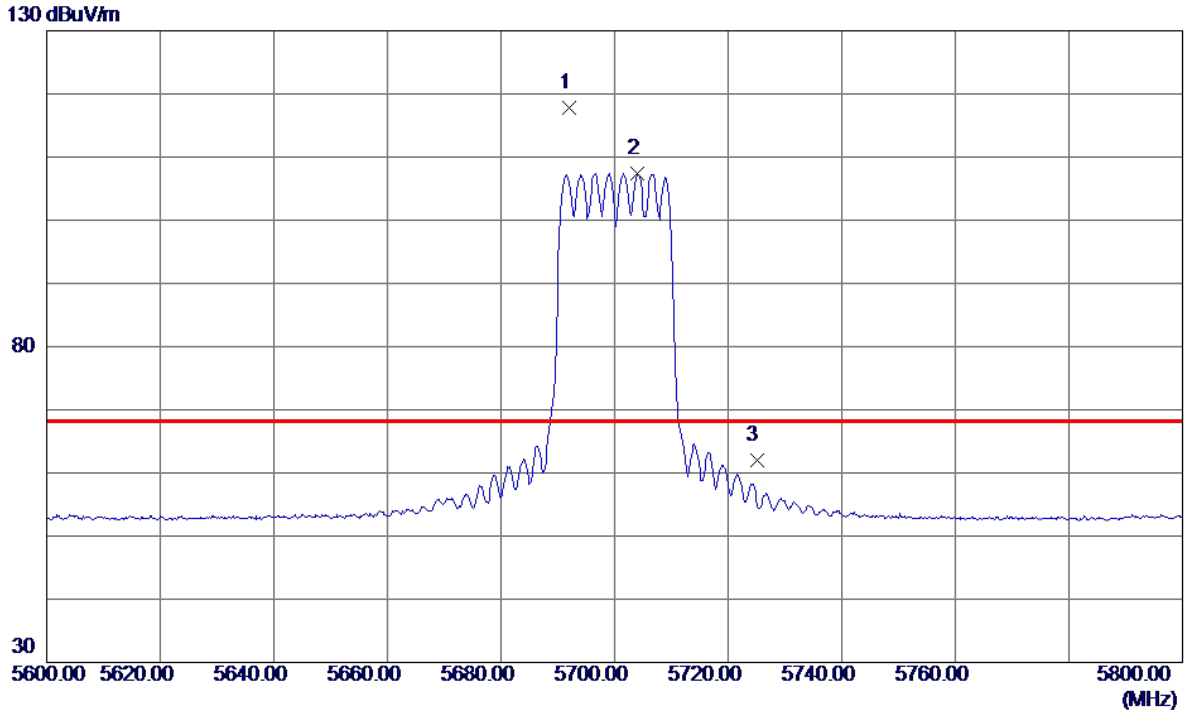
Test Mode	UNII-2C_TX AX(HE20) Mode 5580 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11155.3250	40.18	8.69	48.87	74.00	-25.13	Peak	
2 *	11160.2000	30.63	8.69	39.32	54.00	-14.68	AVG	

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

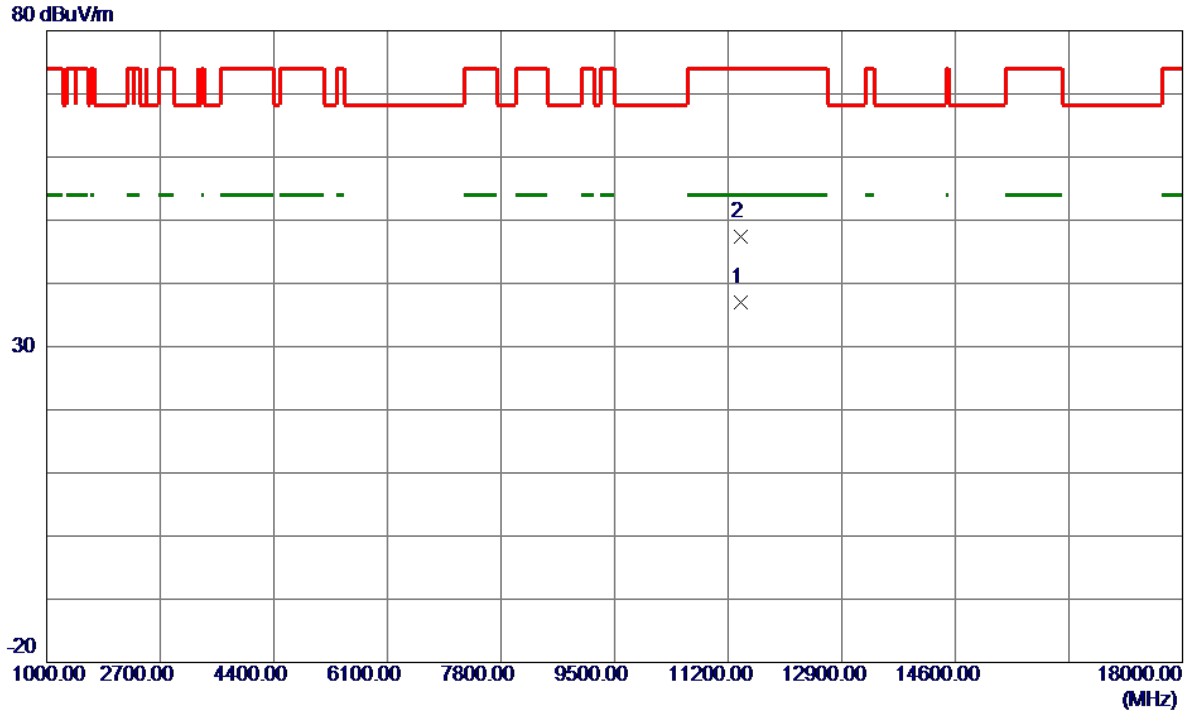
Test Mode	UNII-2C_TX AX(HE20) Mode 5700 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5692.0000	104.47	13.23	117.70	68.20	49.50	Peak	No Limit
2	5704.0000	94.17	13.27	107.44	999.00	-891.56	AVG	No Limit
3	5725.0000	48.72	13.33	62.05	68.20	-6.15	Peak	

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

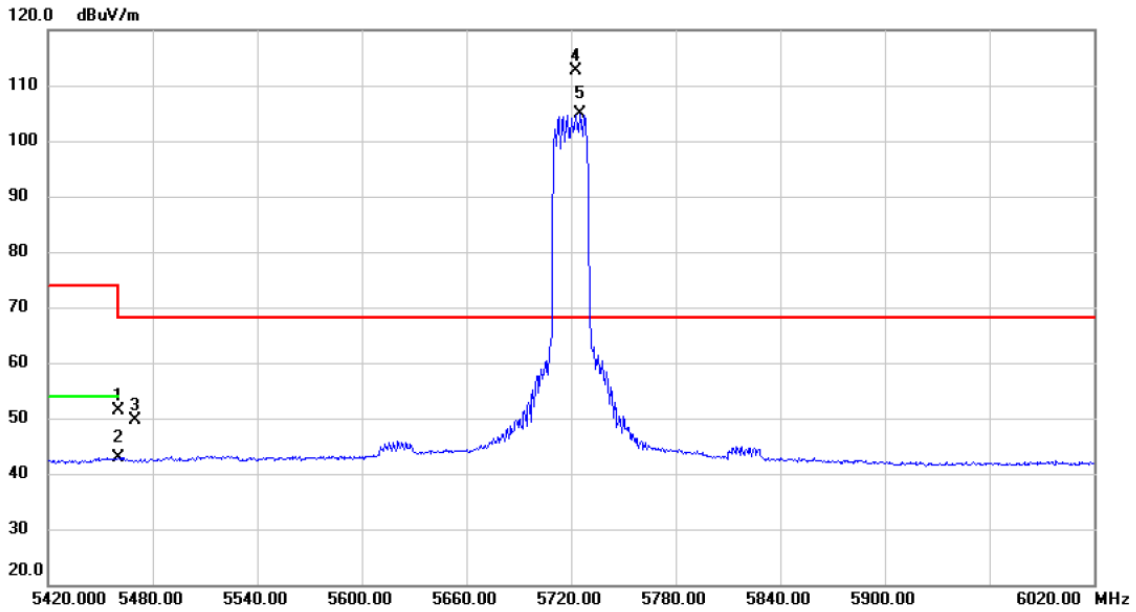
Test Mode	UNII-2C_TX AX(HE20) Mode 5700 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11395.5500	28.06	8.93	36.99	54.00	-17.01	AVG	
2	11397.4500	38.42	8.93	47.35	74.00	-26.65	Peak	

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

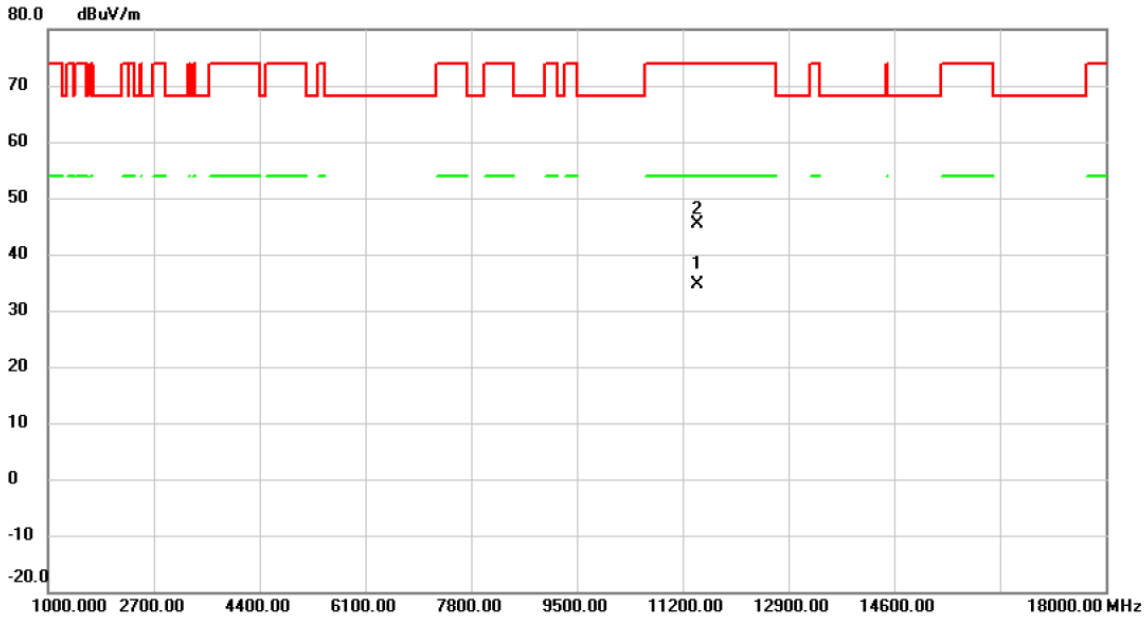
Test Mode	UNII-2C_TX AX(HE20) Mode 5720 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5460.000	39.22	12.20	51.42	74.00	-22.58	peak	
2		5460.000	30.63	12.20	42.83	54.00	-11.17	AVG	
3		5470.000	37.32	12.20	49.52	68.20	-18.68	peak	
4	*	5723.000	99.57	12.99	112.56	68.20	44.36	peak	No Limit
5	X	5725.400	91.85	13.00	104.85	68.20	36.65	AVG	No Limit

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

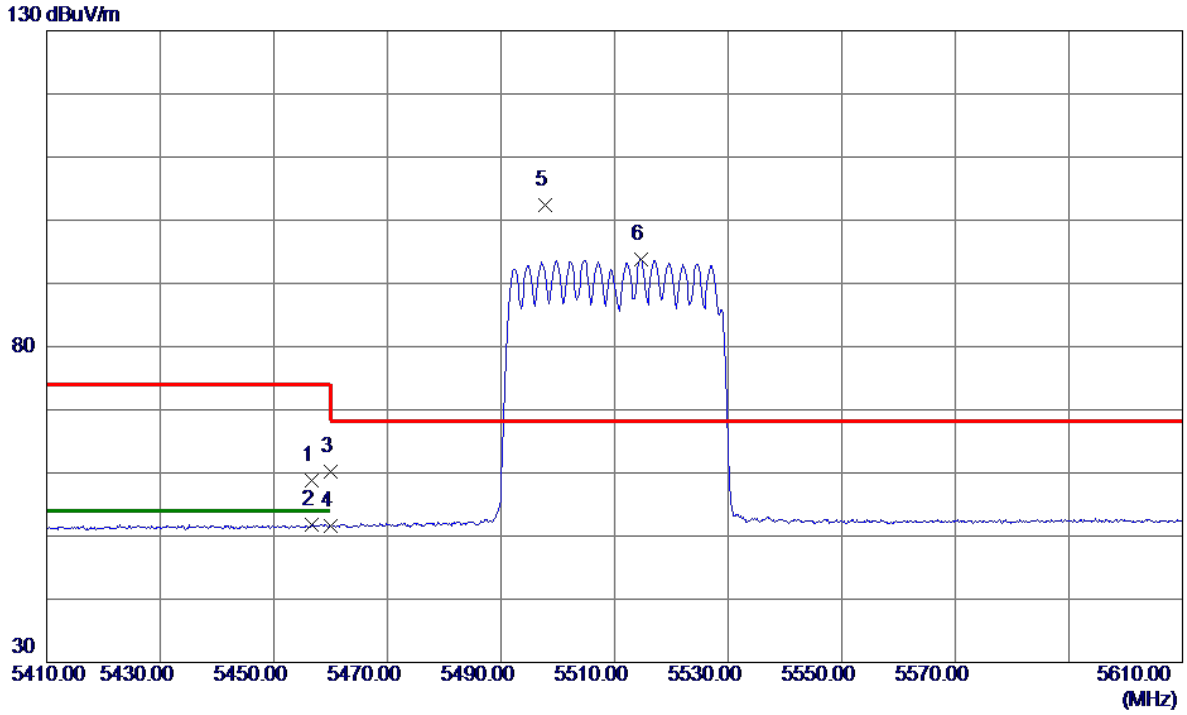
Test Mode	UNII-2C_TX AX(HE20) Mode 5720 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11441.208	26.19	8.35	34.54	54.00	-19.46	AVG	
2		11442.237	37.09	8.35	45.44	74.00	-28.56	peak	

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

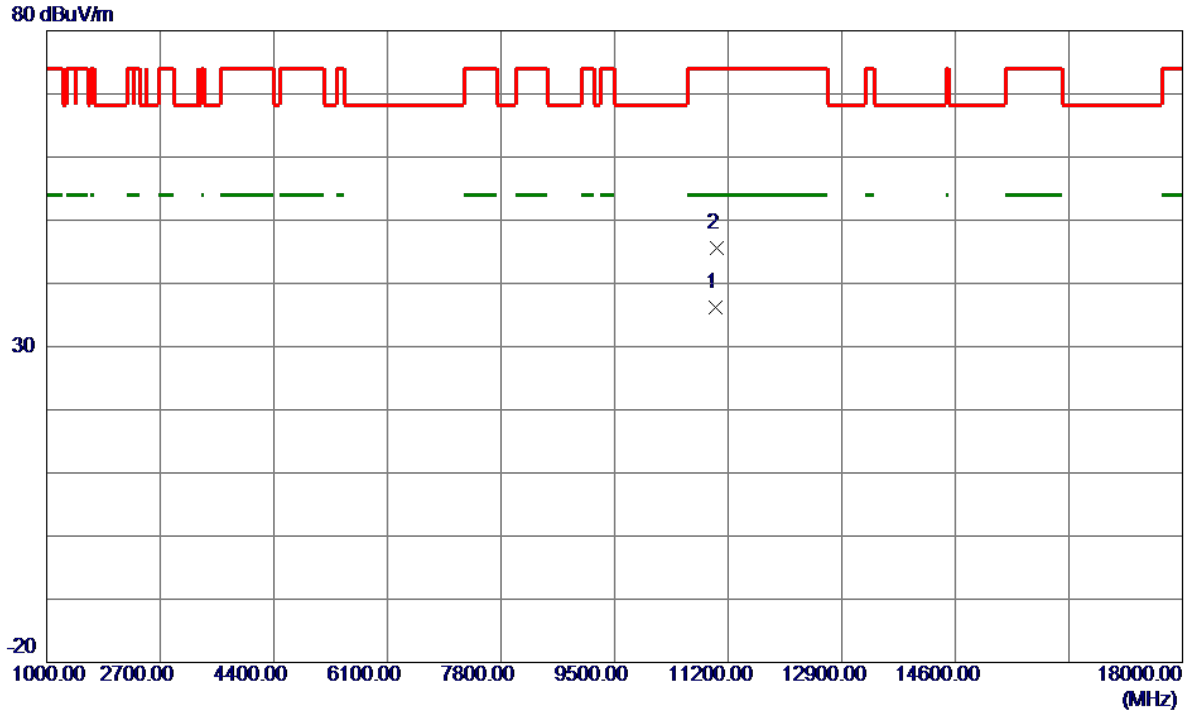
Test Mode	UNII-2C_TX AX(HE40) Mode 5510 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5456.6000	46.36	12.53	58.89	74.00	-15.11	Peak	
2	5456.6000	39.26	12.53	51.79	54.00	-2.21	AVG	
3	5460.0000	47.69	12.53	60.22	74.00	-13.78	Peak	
4	5460.0000	39.07	12.53	51.60	54.00	-2.40	AVG	
5 *	5497.8000	89.76	12.62	102.38	68.20	34.18	Peak	No Limit
6	5514.6000	81.14	12.67	93.81	999.00	-905.19	AVG	No Limit

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

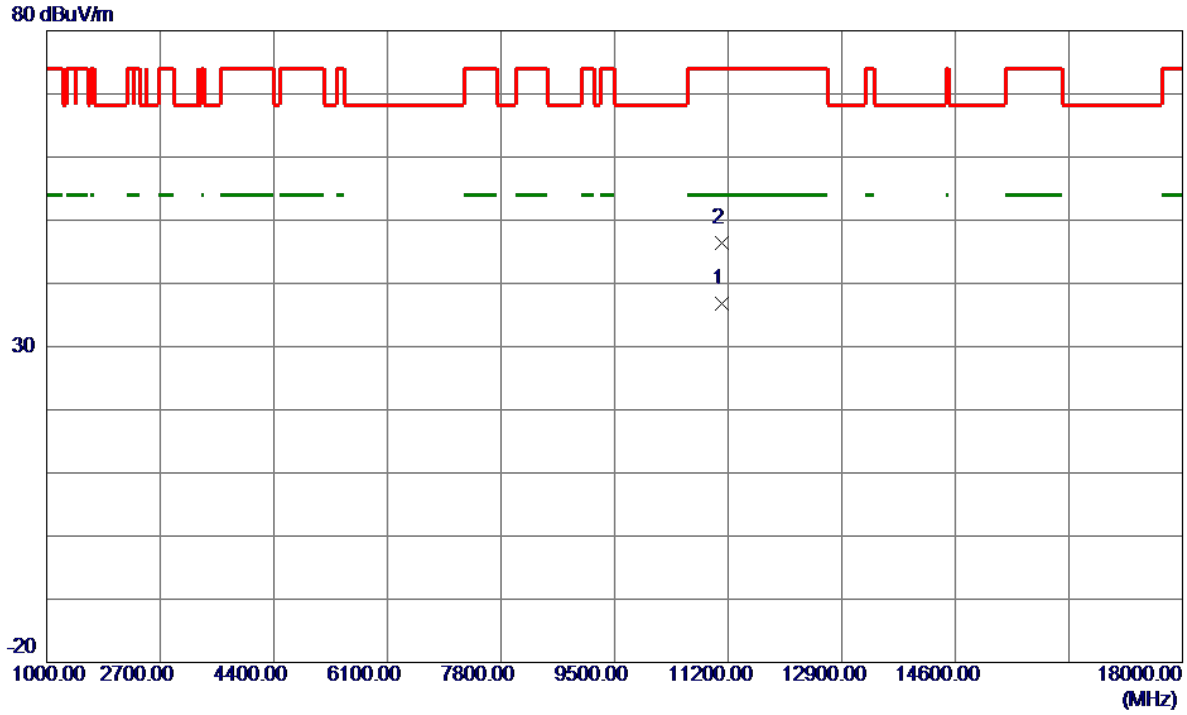
Test Mode	UNII-2C_TX AX(HE40) Mode 5510 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11020.0500	27.58	8.55	36.13	54.00	-17.87	AVG	
2	11023.3000	36.97	8.55	45.52	74.00	-28.48	Peak	

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

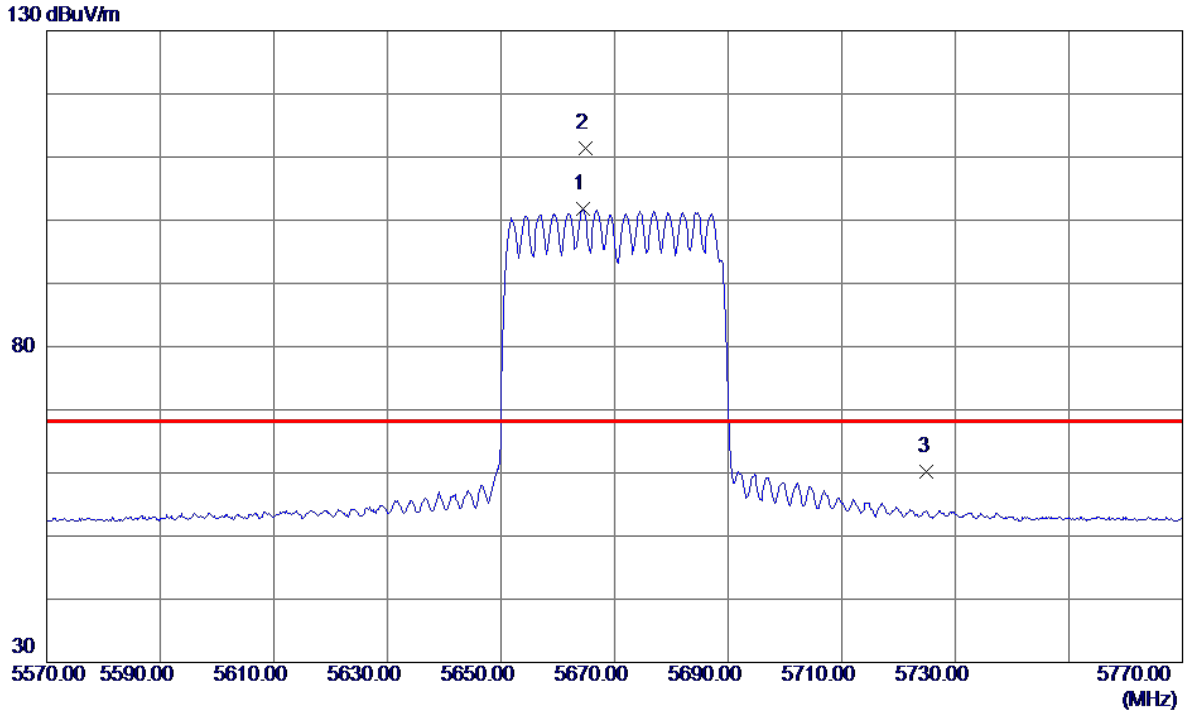
Test Mode	UNII-2C_TX AX(HE40) Mode 5550 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11100.4000	28.09	8.63	36.72	54.00	-17.28	AVG	
2	11112.8000	37.83	8.64	46.47	74.00	-27.53	Peak	

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

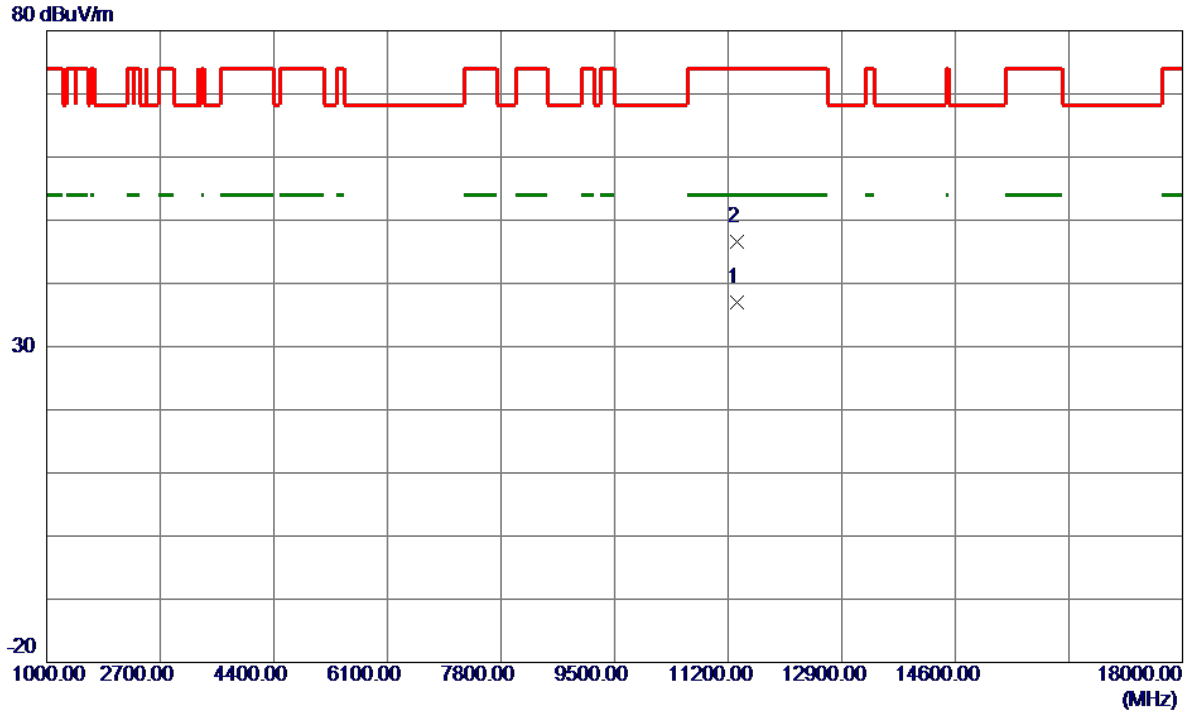
Test Mode	UNII-2C_TX AX(HE40) Mode 5670 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5664.4000	88.65	13.14	101.79	999.00	-897.21	AVG	No Limit
2 *	5664.8000	98.23	13.14	111.37	68.20	43.17	Peak	No Limit
3	5725.0000	46.79	13.33	60.12	68.20	-8.08	Peak	

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

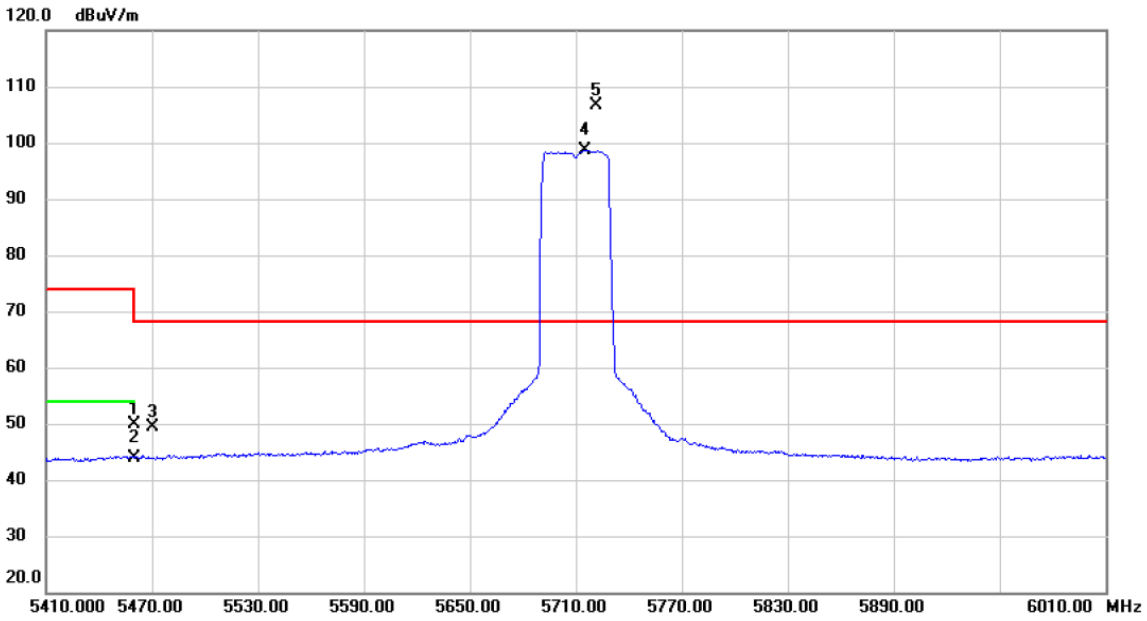
Test Mode	UNII-2C_TX AX(HE40) Mode 5670 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11335.2000	28.22	8.87	37.09	54.00	-16.91	AVG	
2	11335.7500	37.65	8.87	46.52	74.00	-27.48	Peak	

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

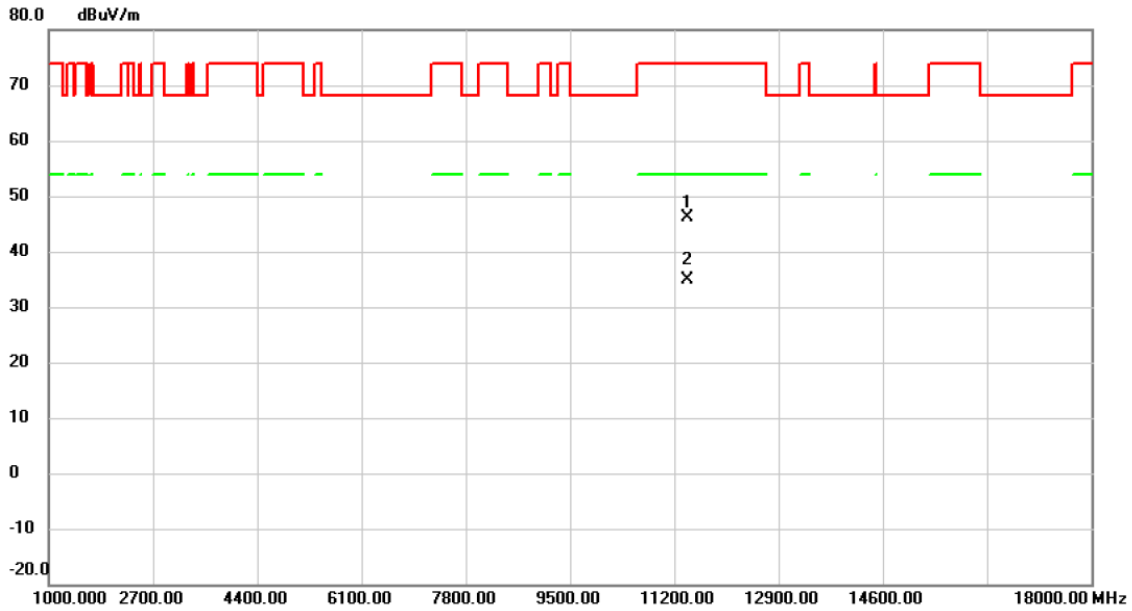
Test Mode	UNII-2C_TX AX(HE40) Mode 5710 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5460.000	37.63	12.20	49.83	74.00	-24.17	peak	
2		5460.000	31.79	12.20	43.99	54.00	-10.01	AVG	
3		5470.000	37.15	12.20	49.35	68.20	-18.85	peak	
4	X	5714.800	85.65	12.97	98.62	68.20	30.42	AVG	No Limit
5	*	5721.700	93.63	12.99	106.62	68.20	38.42	peak	No Limit

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

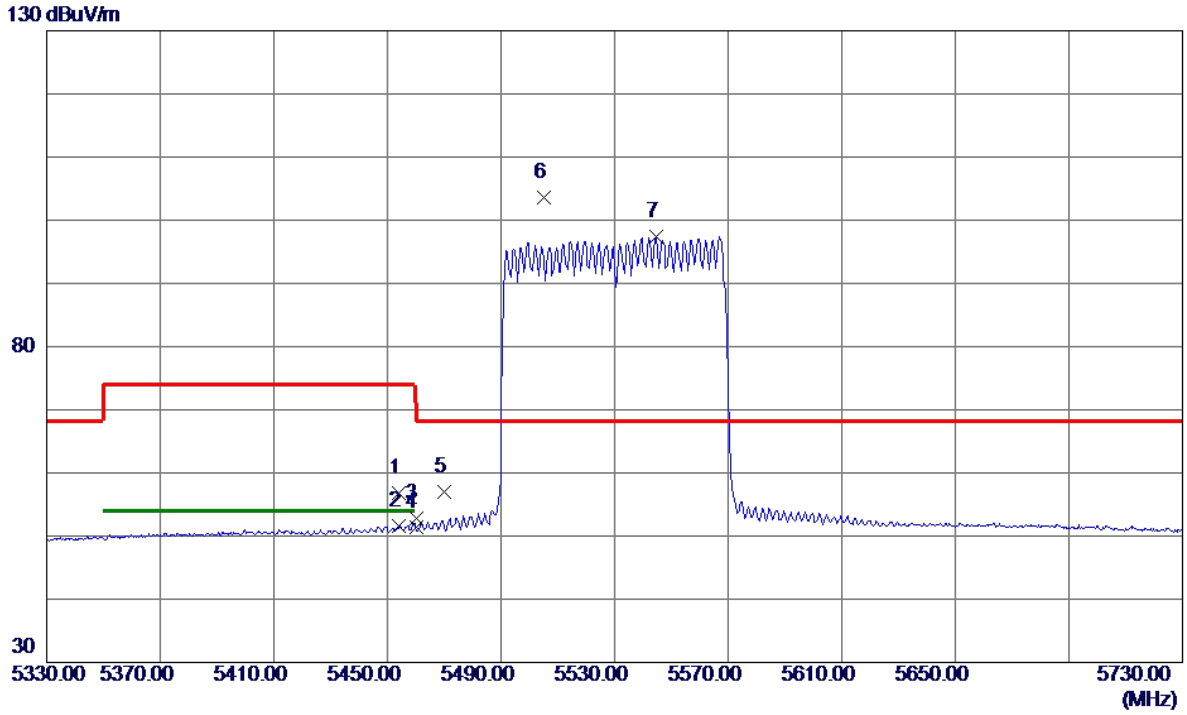
Test Mode	UNII-2C_TX AX(HE40) Mode 5710 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11420.022	37.70	8.36	46.06	74.00	-27.94	peak	
2	*	11421.448	26.50	8.35	34.85	54.00	-19.15	AVG	

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

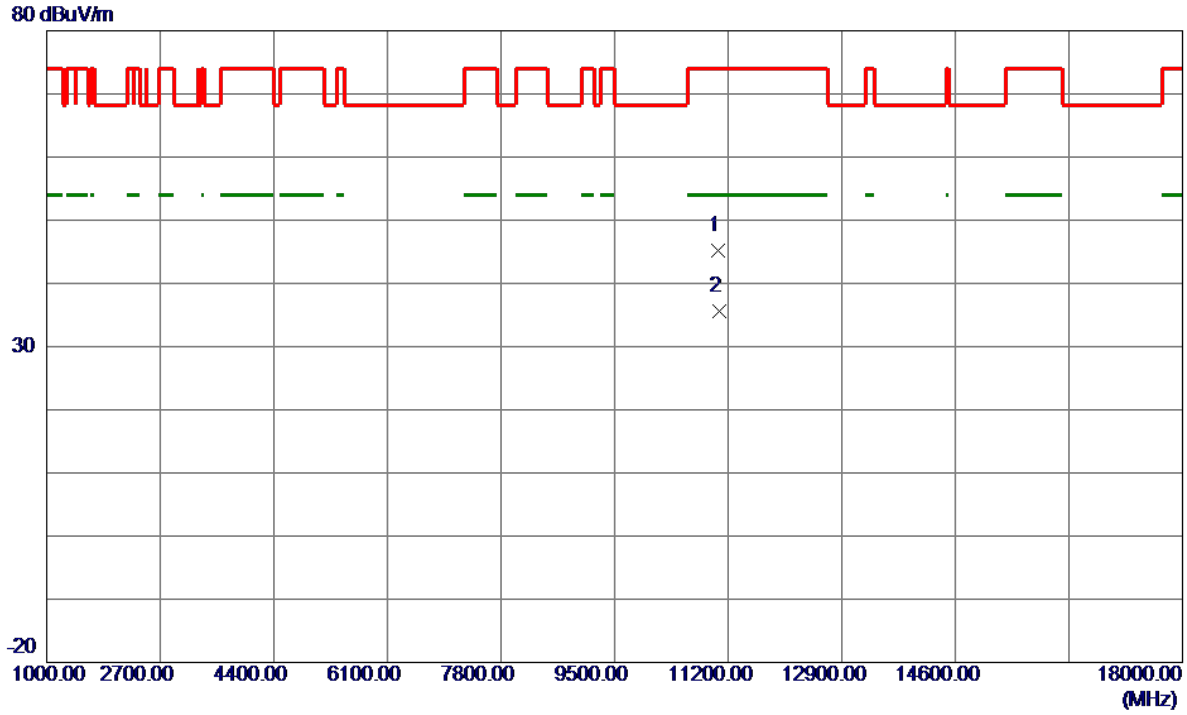
Test Mode	UNII-2C_TX AX(HE80) Mode 5530 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5454.2000	44.24	12.52	56.76	74.00	-17.24	Peak	
2	5454.2000	39.05	12.52	51.57	54.00	-2.43	AVG	
3	5460.0000	40.26	12.53	52.79	74.00	-21.21	Peak	
4	5460.0000	38.86	12.53	51.39	54.00	-2.61	AVG	
5	5470.0000	44.49	12.56	57.05	68.20	-11.15	Peak	
6 *	5505.2000	90.93	12.64	103.57	68.20	35.37	Peak	No Limit
7	5544.6000	84.56	12.77	97.33	999.00	-901.67	AVG	No Limit

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

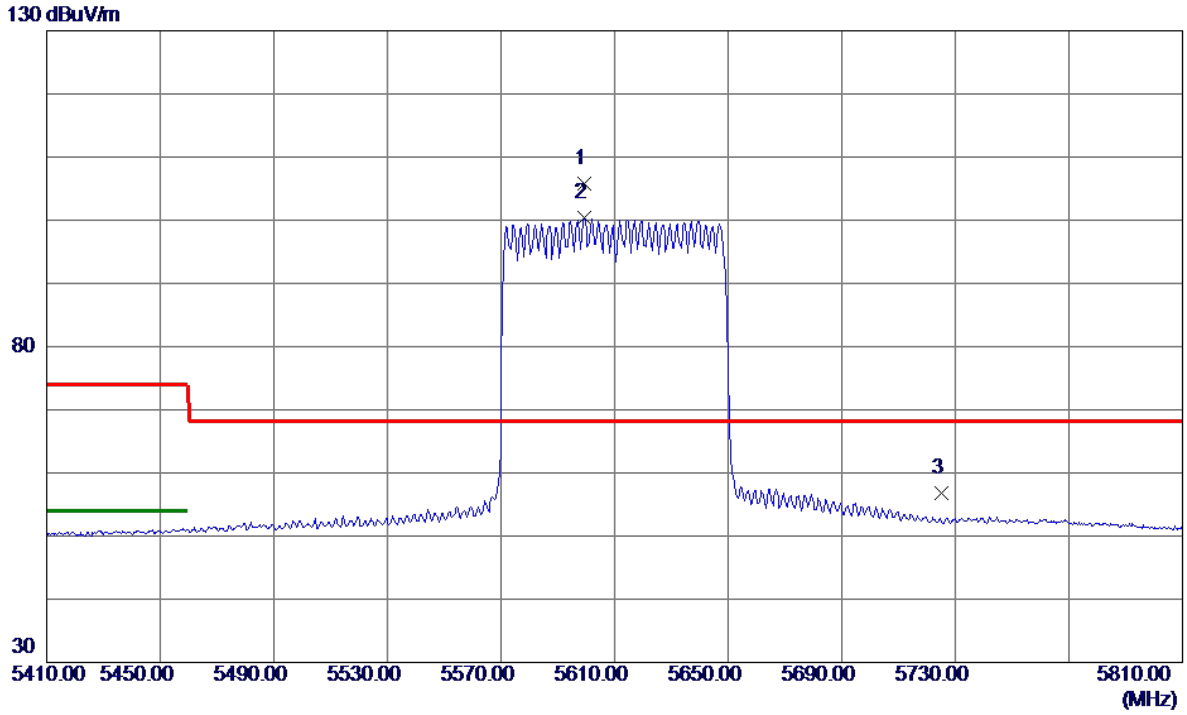
Test Mode	UNII-2C_TX AX(HE80) Mode 5530 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11055.3000	36.54	8.59	45.13	74.00	-28.87	Peak	
2 *	11072.3000	27.07	8.60	35.67	54.00	-18.33	AVG	

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

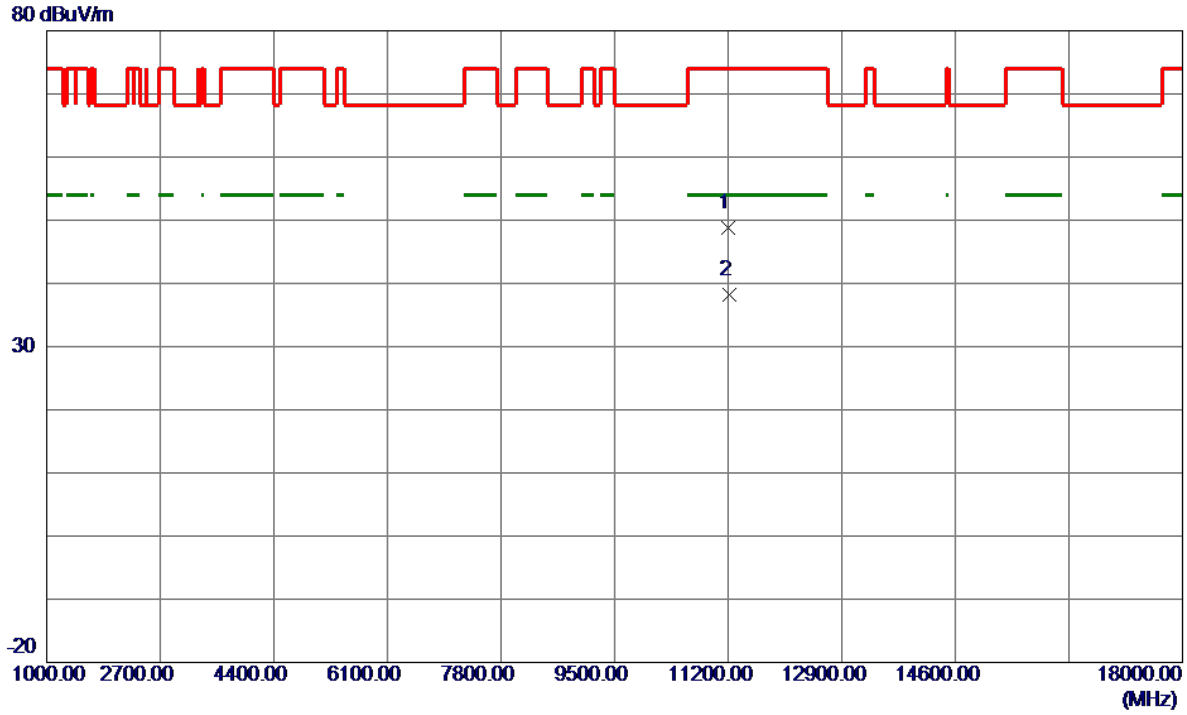
Test Mode	UNII-2C_TX AX(HE80) Mode 5610 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5599.4000	92.89	12.94	105.83	68.20	37.63	Peak	No Limit
2	5599.4000	87.47	12.94	100.41	999.00	-898.59	AVG	No Limit
3	5725.0000	43.45	13.33	56.78	68.20	-11.42	Peak	

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

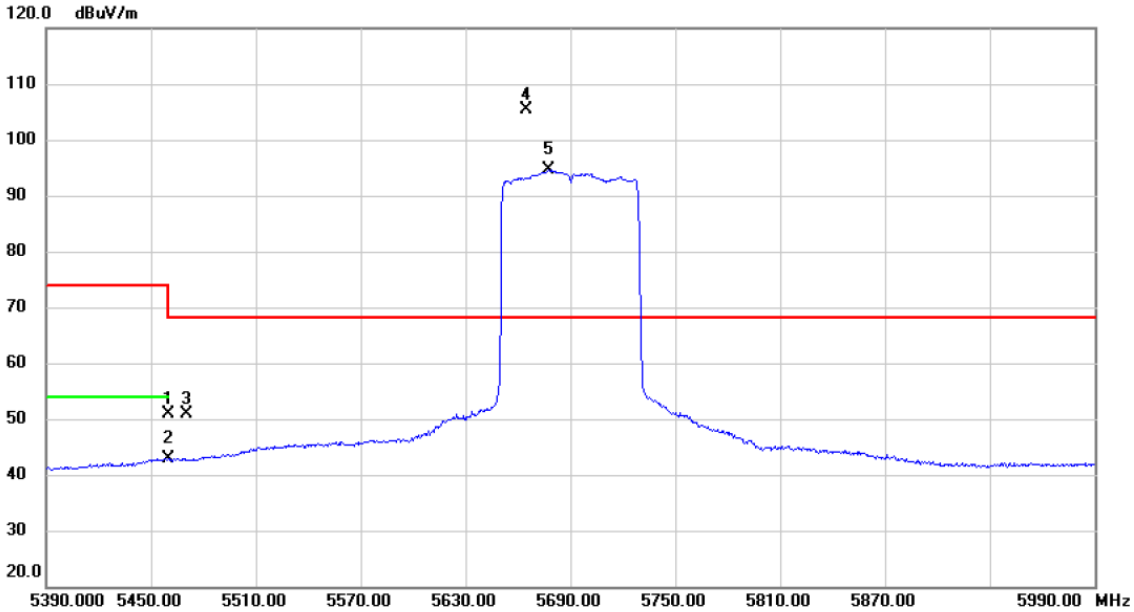
Test Mode	UNII-2C_TX AX(HE80) Mode 5610 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11197.4000	40.08	8.73	48.81	74.00	-25.19	Peak	
2 *	11217.5000	29.43	8.75	38.18	54.00	-15.82	AVG	

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

Test Mode	UNII-2C_TX AX(HE80) Mode 5690 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		5460.000	38.72	12.20	50.92	74.00	-23.08	peak	
2		5460.000	30.62	12.20	42.82	54.00	-11.18	AVG	
3		5470.000	38.77	12.20	50.97	68.20	-17.23	peak	
4	*	5665.100	92.65	12.81	105.46	68.20	37.26	peak	No Limit
5	X	5677.700	81.76	12.85	94.61	68.20	26.41	AVG	No Limit

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