



# FCC Radio Test Report

## FCC ID: 2BCGWXM73OD

This report concerns: **Original Grant**

**Project No.** : 2405G047  
**Equipment** : AX5400 Indoor/Outdoor Whole Home Mesh Wi-Fi 6 System  
**Brand Name** : tp-link  
**Test Model** : Deco XM73-Outdoor  
**Series Model** : N/A  
**Applicant** : TP-LINK CORPORATION PTE. LTD.  
**Address** : 7 Temasek Boulevard #29-03 Suntec Tower One, Singapore 038987  
**Manufacturer** : TP-LINK CORPORATION PTE. LTD.  
**Address** : 7 Temasek Boulevard #29-03 Suntec Tower One, Singapore 038987  
**Date of Receipt** : May 22, 2024  
**Date of Test** : May 23, 2024 ~ Jun. 24, 2024  
**Issued Date** : Jul. 02, 2024  
**Report Version** : R00  
**Test Sample** : Engineering Sample No.: SSL2024052276 for conducted,  
SSL2024052277 for radiated.  
**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** : Grani Zhou  
Grani Zhou

**Approved by** : Chay Cai  
Chay Cai

Room 108, Building 2, No.1, Yile Road, Songshan Lake Zone, Dongguan City, Guangdong,  
People's Republic of China.

Tel: +86-769-8318-3000    Web: [www.newbtl.com](http://www.newbtl.com)    Service mail: [btl\\_qa@newbtl.com](mailto:btl_qa@newbtl.com)

**Declaration**

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

**BTL's** reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by **BTL**. The report must not be used by the client to claim product certification, approval, or endorsement by A2LA or any agency of the U.S. Government.

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

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

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

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

**Limitation**

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

<b>Table of Contents</b>	<b>Page</b>
<b>REPORT ISSUED HISTORY</b>	<b>6</b>
<b>1 . APPLICABLE STANDARDS</b>	<b>7</b>
<b>2 . SUMMARY OF TEST RESULTS</b>	<b>7</b>
2.1 TEST FACILITY	8
2.2 MEASUREMENT UNCERTAINTY	8
2.3 TEST ENVIRONMENT CONDITIONS	9
<b>3 . GENERAL INFORMATION</b>	<b>10</b>
3.1 GENERAL DESCRIPTION OF EUT	10
3.2 TEST MODES	13
3.3 PARAMETERS OF TEST SOFTWARE	18
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
<b>4 . AC POWER LINE CONDUCTED EMISSIONS</b>	<b>24</b>
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
<b>5 . RADIATED EMISSIONS</b>	<b>26</b>
5.1 LIMIT	26
5.2 TEST PROCEDURE	错误!未定义书签。
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
<b>6 . BANDWIDTH</b>	<b>31</b>
6.1 LIMIT	31
6.2 TEST PROCEDURE	31

<b>Table of Contents</b>	<b>Page</b>
6.3 DEVIATION FROM STANDARD	31
6.4 TEST SETUP	32
6.5 EUT OPERATION CONDITIONS	32
6.6 TEST RESULTS	32
<b>7 . MAXIMUM OUTPUT POWER</b>	<b>33</b>
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
<b>8 . POWER SPECTRAL DENSITY</b>	<b>34</b>
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
<b>9 . FREQUENCY STABILITY</b>	<b>36</b>
9.1 LIMIT	36
9.2 TEST PROCEDURE	36
9.3 DEVIATION FROM STANDARD	36
9.4 TEST SETUP	36
9.5 EUT OPERATION CONDITIONS	36
9.6 TEST RESULTS	36
<b>10 . MEASUREMENT INSTRUMENTS LIST</b>	<b>37</b>
<b>11 . EUT TEST PHOTOS</b>	<b>39</b>
<b>APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS</b>	<b>45</b>
<b>APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ</b>	<b>48</b>
<b>APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ</b>	<b>53</b>
<b>APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ</b>	<b>56</b>
<b>APPENDIX E - BANDWIDTH</b>	<b>117</b>
<b>APPENDIX F - MAXIMUM OUTPUT POWER</b>	<b>134</b>

<b>Table of Contents</b>	<b>Page</b>
<b>APPENDIX G - POWER SPECTRAL DENSITY</b>	<b>169</b>

**REPORT ISSUED HISTORY**

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2405G047	R00	Original Report.	Jul. 02, 2024	Valid

## 1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of A2LA:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart E				
Standard(s) Section	Test Item	Test Result	Judgment	Remark
15.207 15.407(b)	AC Power Line Conducted Emissions	APPENDIX 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	APPENDIX H	PASS	NOTE (5)
15.203	Antenna Requirements	-----	PASS	NOTE (2)
15.407(c)	Automatically Discontinue Transmission	-----	PASS	NOTE (3)

Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.
- (3) 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.
- (4) 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
- (5) The Frequency Stability item is claimed by the customer.

## 2.1 TEST FACILITY

The test facilities used to collect the test data in this report: No.3, Jinshagang 1st Road, Dalang, Dongguan City, Guangdong, People's Republic of China.

BTL's Registration Number for FCC: 747969

BTL's Designation Number for FCC: CN1377

## 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	0.95 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	25°C	62%	AC 120V/60Hz	Hayden Chen	May 28, 2024
Radiated Emissions -9kHz to 30MHz	21°C	41%	AC 120V/60Hz	Hayden Chen	May 28, 2024
Radiated Emissions -30MHz to 1000MHz	22°C	58%	AC 120V/60Hz	Allen Tong	Jun, 14, 2024
Radiated Emissions -Above 1000 MHz	22°C	58%	AC 120V/60Hz	Allen Tong	Jun, 14, 2024
Bandwidth	23°C	55%	AC 120V/60Hz	Arvin Tong	Jun, 12, 2024
Maximum Output Power	23°C	55%	AC 120V/60Hz	Arvin Tong	Jun, 12, 2024
Power Spectral Density	23°C	55%	AC 120V/60Hz	Arvin Tong	Jun, 12, 2024

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

Equipment	AX5400 Indoor/Outdoor Whole Home Mesh Wi-Fi 6 System
Brand Name	tp-link
Test Model	Deco XM73-Outdoor
Series Model	N/A
Model Difference(s)	N/A
Software Version	20240305-rel41966
Hardware Version	V1.0
Power Source	1# AC Mains. 2# DC Voltage supplied from PoE adapter.(Support unit)
Power Rating	1# 100-240V~50/60Hz 0.5A 2# 802.3at PoE: 42.5-57V ---0.6A
Operation Frequency Band(s)	UNII-1: 5150 MHz ~ 5250 MHz UNII-2A: 5250 MHz ~ 5350 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 600 Mbps IEEE 802.11ac: up to 3466.8 Mbps IEEE 802.11ax: up to 4804 Mbps
Maximum Output Power _UNII-1 Non Beamforming	IEEE 802.11ax(HE40): 28.93 dBm (0.7816 W)
Maximum Output Power _UNII-1+UNII-2A Non Beamforming	IEEE 802.11ac(VHT160): 22.56 dBm (0.1803 W)
Maximum Output Power _UNII-3 Non Beamforming	IEEE 802.11ax(HE20): 28.96 dBm (0.7870 W)
Maximum Output Power _UNII-1 Beamforming	IEEE 802.11ax(HE40): 22.85 dBm (0.1928 W)
Maximum Output Power _UNII-1+UNII-2A Beamforming	IEEE 802.11ac(VHT160): 21.65 dBm (0.1462 W)
Maximum Output Power _UNII-3 Beamforming	IEEE 802.11a: 27.95 dBm (0.6237 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-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 802.11ac(VHT160) IEEE 802.11ax(HE160)	
Channel	Frequency (MHz)
50	5250

### 3. Antenna Specification:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	TP-LINK CORPORATION PTE. LTD.	3101505462	Dipole	ipex	2
2	TP-LINK CORPORATION PTE. LTD.	3101506968	Dipole	ipex	2
3	TP-LINK CORPORATION PTE. LTD.	3101506969	Dipole	ipex	2
4	TP-LINK CORPORATION PTE. LTD.	3101506970	Dipole	ipex	2

Note:

- 1) This EUT supports CDD, the antennas Directional gain which declared by customer is 7 dBi. So, the UNII-1 power spectral density limit is  $17-(7-6)=16$ , the UNII-2A power spectral density limit is  $11-(7-6)=10$ , the UNII-3 power spectral density limit is  $30-(7-6)=29$ .
- 2) Beamforming Gain: 6 dB, that is Directional gain= $2+6=8$  dBi. So, the UNII-1 and UNII-3 output power limit is  $30-(8-6)=28$ . the UNII-2A output power limit is  $23.98-(8-6)=21.98$ .

### 4. Table for Antenna Configuration:

For Non Beamforming:

Operating Mode	TX Mode	4TX
IEEE 802.11a		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11n(HT20)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11n(HT40)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ac(VHT20)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ac(VHT40)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ac(VHT80)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ac(VHT160)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE20)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE40)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE80)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE160)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)

For Beamforming:

Operating Mode	TX Mode	4TX
IEEE 802.11n(HT20)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11n(HT40)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ac(VHT20)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ac(VHT40)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ac(VHT80)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ac(VHT160)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE20)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE40)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE80)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE160)		V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)

### 3.2 TEST MODES

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

Pretest Mode	Description
Mode 1	TX 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 AC(VHT160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 16	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 17	TX A Mode Channel 149/157/165 (UNII-3)
Mode 18	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 19	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 20	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 32	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 33	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 34	TX AX(HE80) Mode Channel 155 (UNII-3)
Mode 35	TX AX(HE20) Mode Channel 165 (UNII-3)

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

<b>AC power line conducted emissions test</b>	
Final Test Mode	Description
Mode 35	TX AX(HE20) Mode Channel 165 (UNII-3)

<b>Radiated Emissions Test - Below 1GHz</b>	
Final Test Mode	Description
Mode 35	TX AX(HE20) Mode Channel 165 (UNII-3)

Radiated Emissions Test - Above 1GHz_Non Beamforming	
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 AC(VHT160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 16	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 17	TX A Mode Channel 149/157/165 (UNII-3)
Mode 18	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 19	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 20	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 32	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 33	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 34	TX AX(HE80) Mode Channel 155 (UNII-3)

Maximum Output Power test_Non Beamforming	
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 AC(VHT160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 16	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 17	TX A Mode Channel 149/157/165 (UNII-3)
Mode 18	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 19	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 20	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 32	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 33	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 34	TX AX(HE80) Mode Channel 155 (UNII-3)

Maximum Output Power test_Beamforming	
Final Test Mode	Description
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 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 AC(VHT160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 16	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 18	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 19	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 20	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 32	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 33	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 34	TX AX(HE80) Mode Channel 155 (UNII-3)



Other Conducted Test_Non Beamforming	
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 AC(VHT160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 16	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 17	TX A Mode Channel 149/157/165 (UNII-3)
Mode 18	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 19	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 20	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 32	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 33	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 34	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 AX(HE20) Mode Channel 165 (UNII-3) is found to be the worst case and recorded.
- (2) For radiated emission Harmonic 18-40GHz test, only tested the worst case and recorded.
- (3) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (4) 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.
- (5) VHT20/VHT40 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) For AC power line conducted emissions and radiated emissions below 1 GHz test, AC supply and PoE supply had been evaluated. The worst case is AC supply and recorded
- (7) IEEE 802.11ax mode only supports full RU, so only the full RU is evaluated and measured inside report.

### 3.3 PARAMETERS OF TEST SOFTWARE

#### Non Beamforming

UNII-1			
Test Software Version	Deco XM73-Outdoor 1.26_testtree.cxtt		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	21	21	21
IEEE 802.11ac(VHT20)	20	20	20.5
IEEE 802.11ax(HE20)	20	20	20
Frequency (MHz)	5190	5230	
IEEE 802.11ac(VHT40)	18	21.5	
IEEE 802.11ax(HE40)	17.5	22	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	19		
IEEE 802.11ax(HE80)	19		

UNII-1+UNII-2A	
Test Software Version	Deco XM73-Outdoor 1.26_testtree.cxtt
Frequency (MHz)	5250
IEEE 802.11ac(VHT160)	15.5
IEEE 802.11ax(HE160)	15.5

UNII-3			
Test Software Version	Deco XM73-Outdoor 1.26_testtree.cxtt		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	21.5	22	22
IEEE 802.11ac(VHT20)	22.5	23	23
IEEE 802.11ax(HE20)	22.5	22.5	23
Frequency (MHz)	5755	5795	
IEEE 802.11ac(VHT40)	21.5	21.5	
IEEE 802.11ax(HE40)	21.5	21.5	
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	22		
IEEE 802.11ax(HE80)	22		

### Beamforming

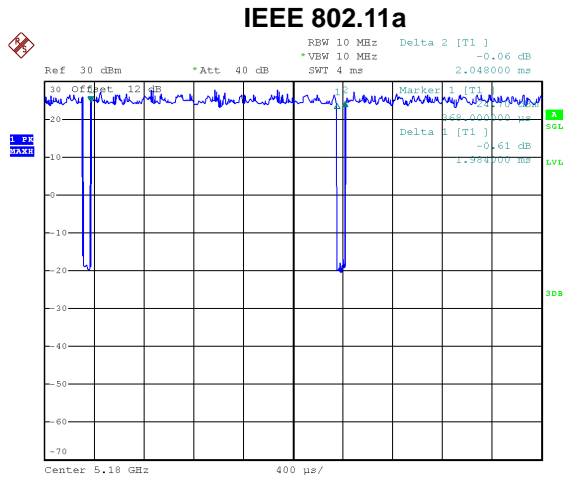
UNII-1			
Test Software Version	Deco XM73-Outdoor 1.26_testtree.cxtt		
Frequency (MHz)	5180	5200	5240
IEEE 802.11ac(VHT20)	17	17	17
IEEE 802.11ax(HE20)	16.5	16.5	16.5
Frequency (MHz)	5190	5230	
IEEE 802.11ac(VHT40)	16	16	
IEEE 802.11ax(HE40)	16	16	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	16		
IEEE 802.11ax(HE80)	16		

UNII-1+UNII-2A	
Test Software Version	Deco XM73-Outdoor 1.26_testtree.cxtt
Frequency (MHz)	5250
IEEE 802.11ac(VHT160)	14.5
IEEE 802.11ax(HE160)	14.5

UNII-3			
Test Software Version	Deco XM73-Outdoor 1.26_testtree.cxtt		
Frequency (MHz)	5745	5785	5825
IEEE 802.11ac(VHT20)	21.5	21.5	22
IEEE 802.11ax(HE20)	21.5	21.5	21.5
Frequency (MHz)	5755	5795	
IEEE 802.11ac(VHT40)	20.5	20.5	
IEEE 802.11ax(HE40)	20.5		
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	21		
IEEE 802.11ax(HE80)	21		

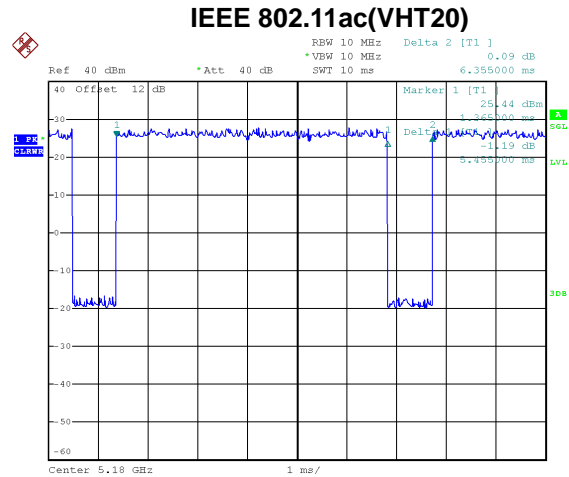
### 3.4 DUTY CYCLE

If duty cycle is  $\geq 98\%$ , 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.



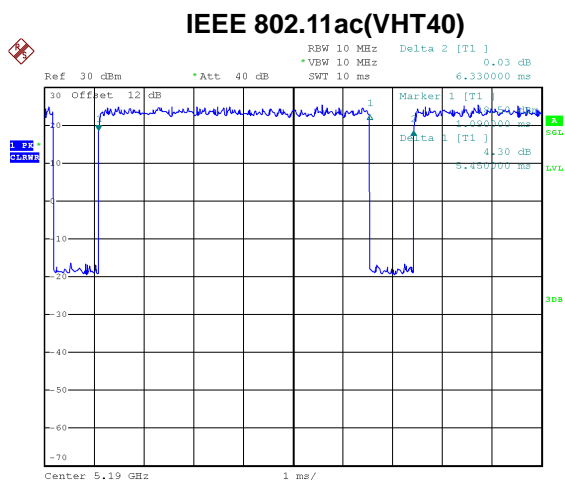
Date: 11.JUN.2024 17:17:47

Duty cycle =  $1.984 \text{ ms} / 2.048 \text{ ms} = 96.88\%$   
 Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 0.14$



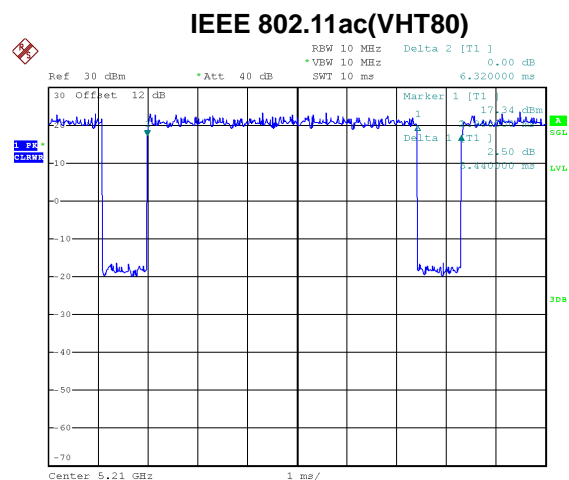
Date: 11.JUN.2024 17:19:55

Duty cycle =  $5.455 \text{ ms} / 6.355 \text{ ms} = 85.84\%$   
 Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 0.66$



Date: 11.JUN.2024 17:26:39

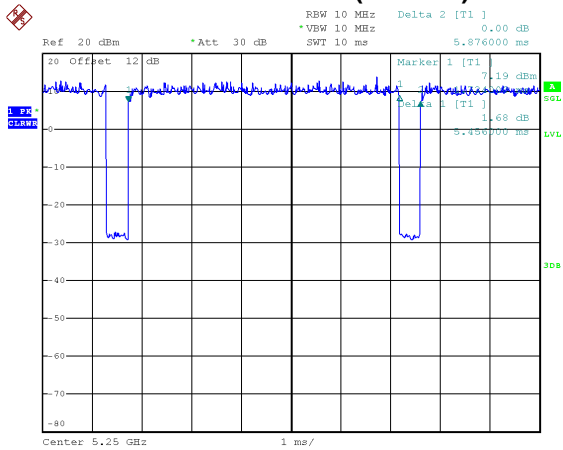
Duty cycle =  $5.450 \text{ ms} / 6.330 \text{ ms} = 86.16\%$   
 Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 0.65$



Date: 11.JUN.2024 17:28:32

Duty cycle =  $5.440 \text{ ms} / 6.320 \text{ ms} = 86.08\%$   
 Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 0.65$

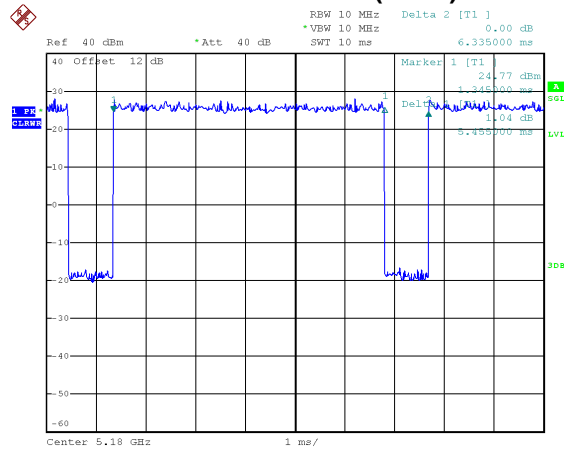
### IEEE 802.11ac(VHT160)



Date: 11.JUN.2024 17:30:48

Duty cycle = 5.456 ms / 5.876 ms = 92.85%  
 Duty Factor = 10 log(1 / Duty cycle) = 0.32

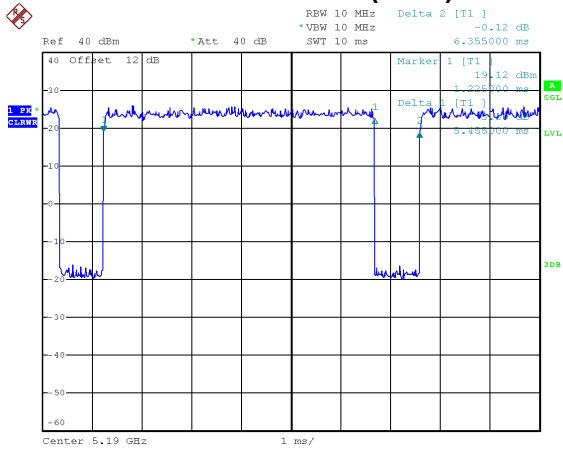
### IEEE 802.11ax(HE20)



Date: 11.JUN.2024 17:33:39

Duty cycle = 5.455 ms / 6.335 ms = 86.11%  
 Duty Factor = 10 log(1 / Duty cycle) = 0.65

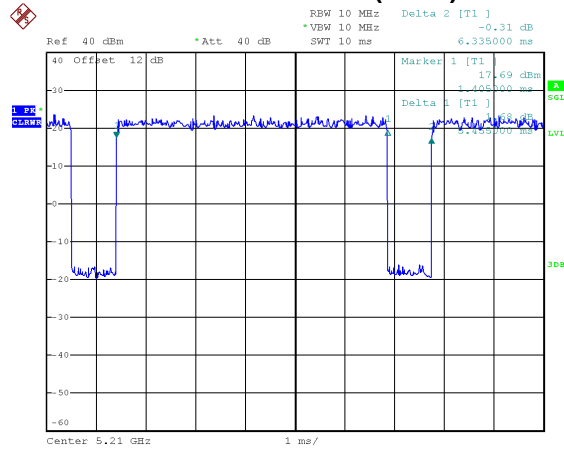
### IEEE 802.11ax(HE40)



Date: 11.JUN.2024 17:39:07

Duty cycle = 5.455 ms / 6.355 ms = 85.54%  
 Duty Factor = 10 log(1 / Duty cycle) = 0.66

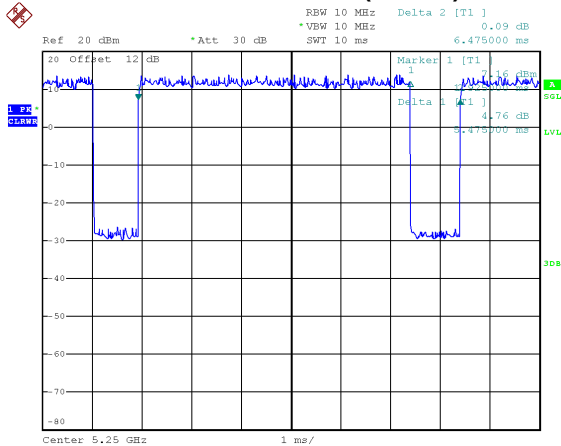
### IEEE 802.11ax(HE80)



Date: 11.JUN.2024 17:36:51

Duty cycle = 5.455 ms / 6.335 ms = 86.11%  
 Duty Factor = 10 log(1 / Duty cycle) = 0.65

## IEEE 802.11ax(HE160)



Date: 11.JUN.2024 17:48:36

Duty cycle = 5.475 ms / 6.475 ms = 84.56%  
 Duty Factor = 10 log(1 / Duty cycle) = 0.73

### 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 504 Hz (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 183 Hz (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 183 Hz (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 183 Hz (Duty cycle < 98%).

For IEEE 802.11ac(VHT160):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 183 Hz (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 183 Hz (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 183 Hz (Duty cycle < 98%).

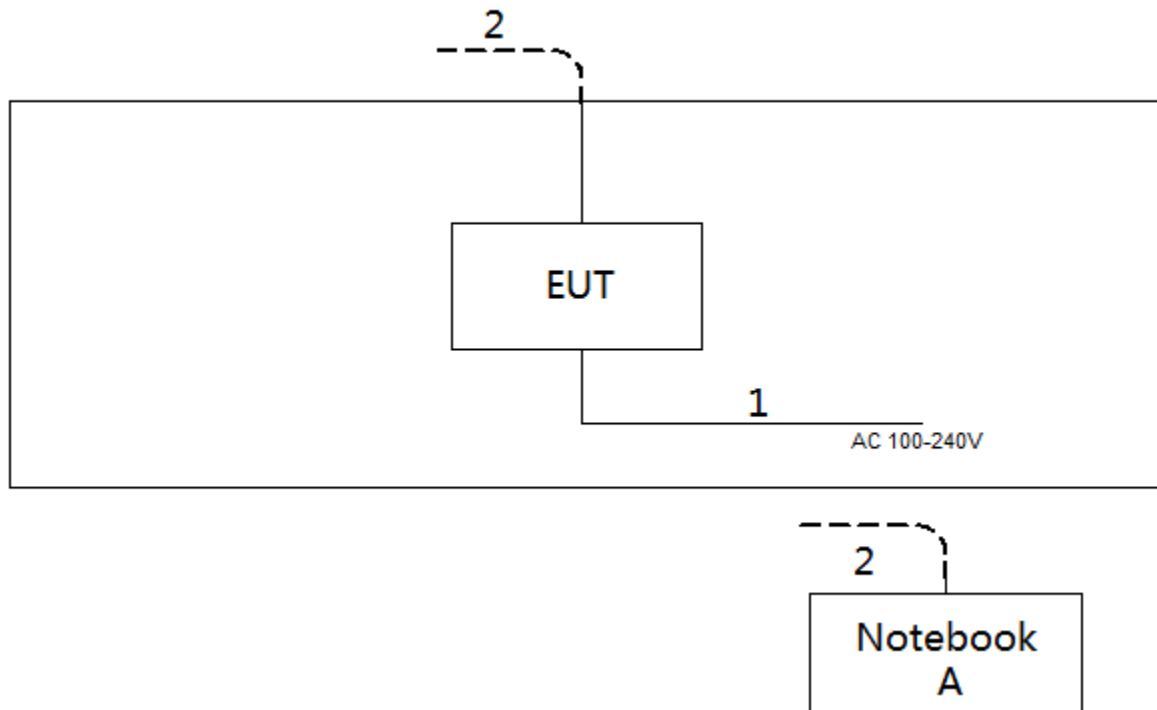
For IEEE 802.11ax(HE80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 183 Hz (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 182 Hz (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	14SER5 3500	N/A

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

### 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 (dB $\mu$ V)	
	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:

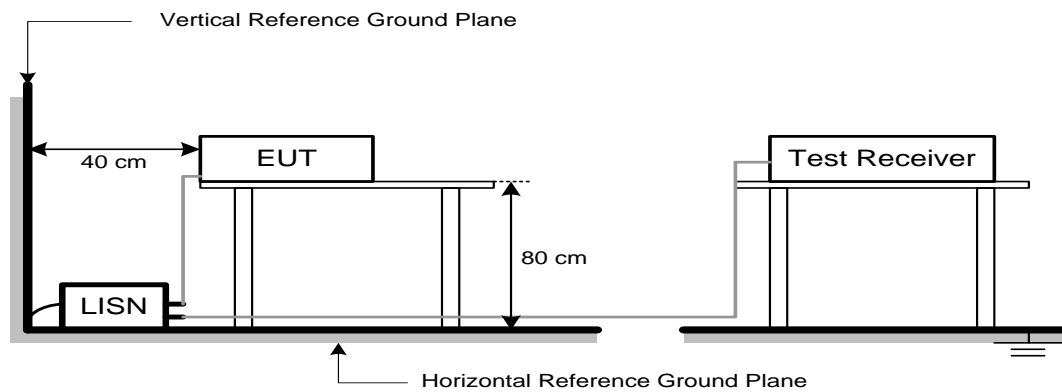
Receiver Parameter	Setting
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

### 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)	Band edge at 3m (dBμV/m)	Harmonic at 1m (dBμV/m)
5150-5250	-27	68.2	77.7 (Note 3)
5250-5350	-27	68.2	77.7 (Note 3)
5725-5850 NOTE (2)	-27	68.2	77.7 (Note 3)
	10	105.2	114.7 (Note 3)
	15.6	110.8	120.3 (Note 3)
	27	122.2	131.7 (Note 3)

#### NOTE:

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

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

- (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)

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

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

## 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

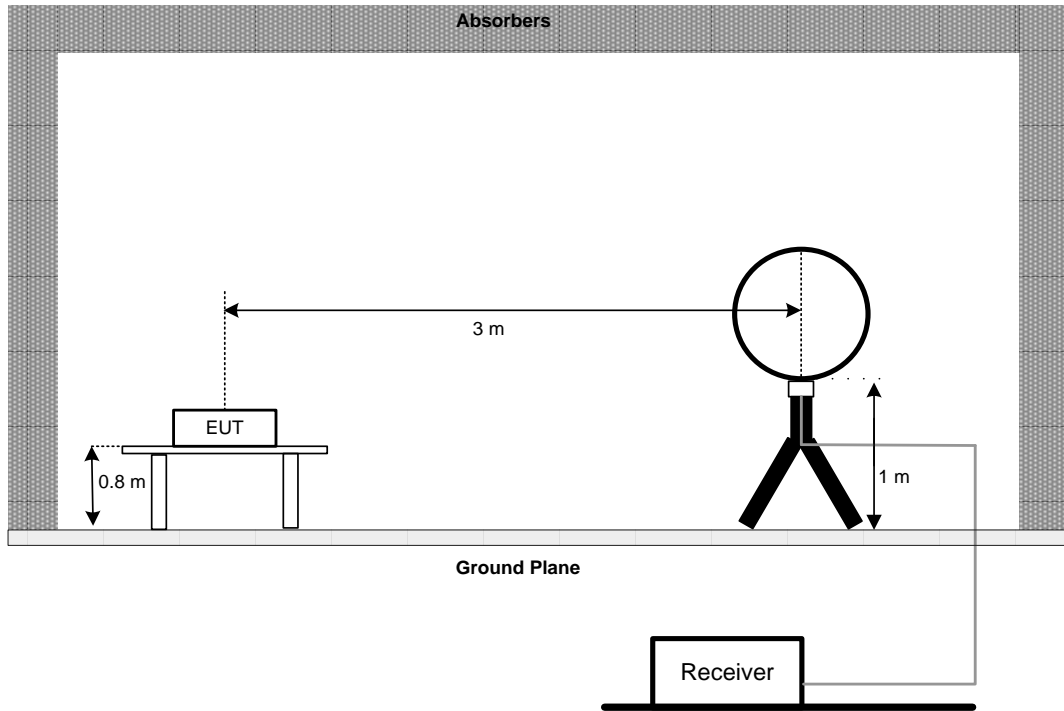
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

### 5.3 DEVIATION FROM TEST STANDARD

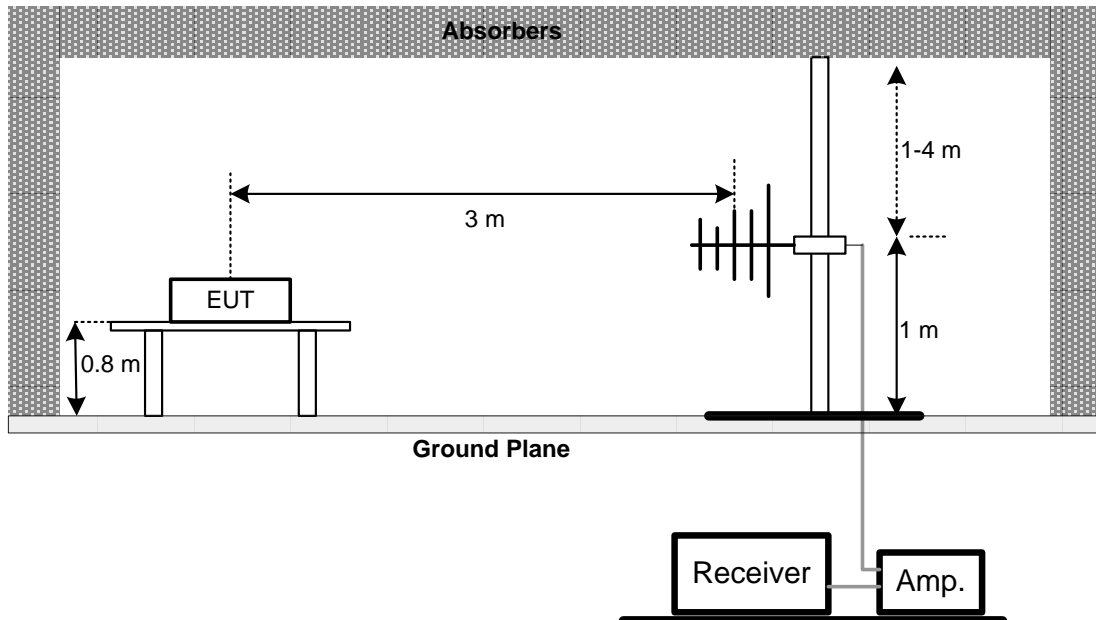
No deviation.

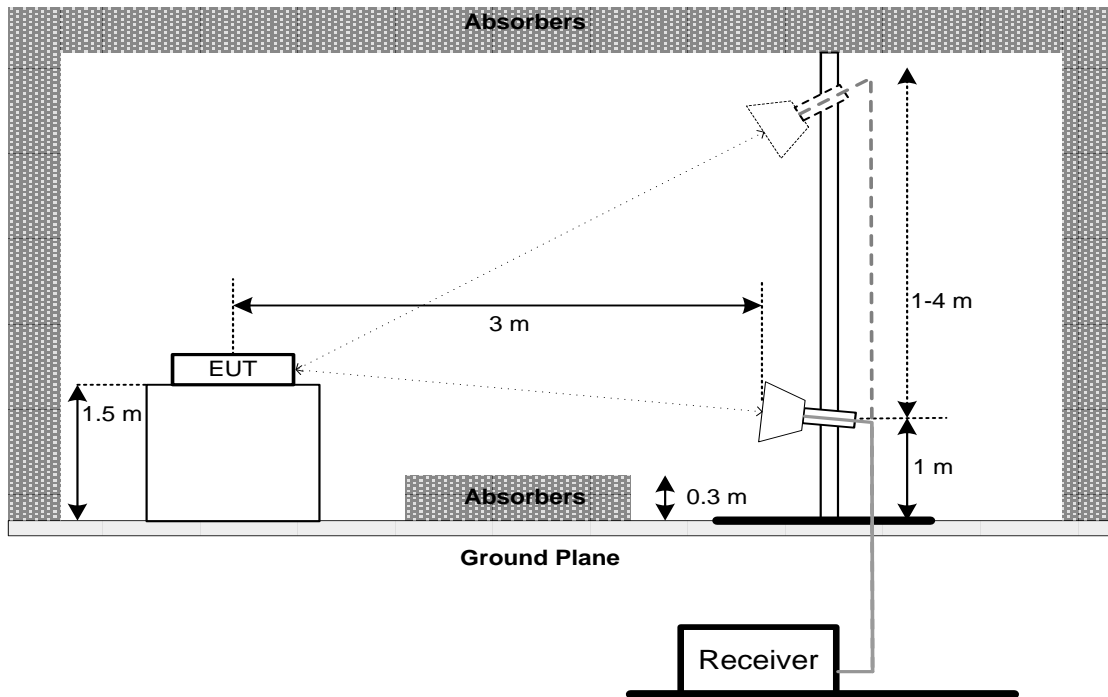
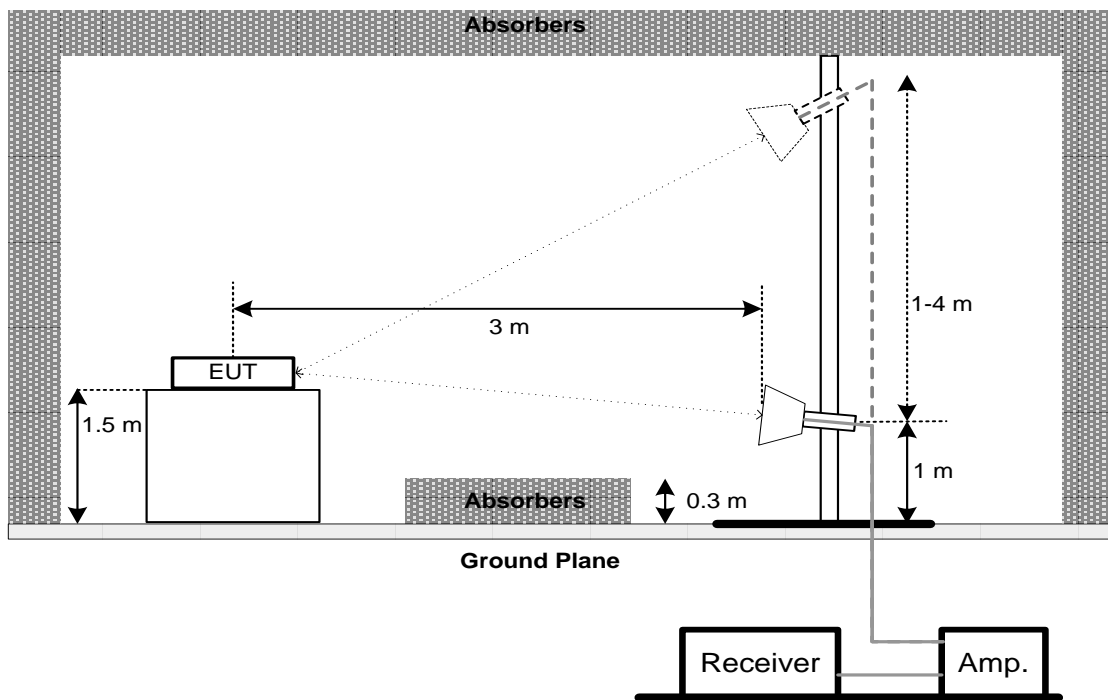
### 5.4 TEST SETUP

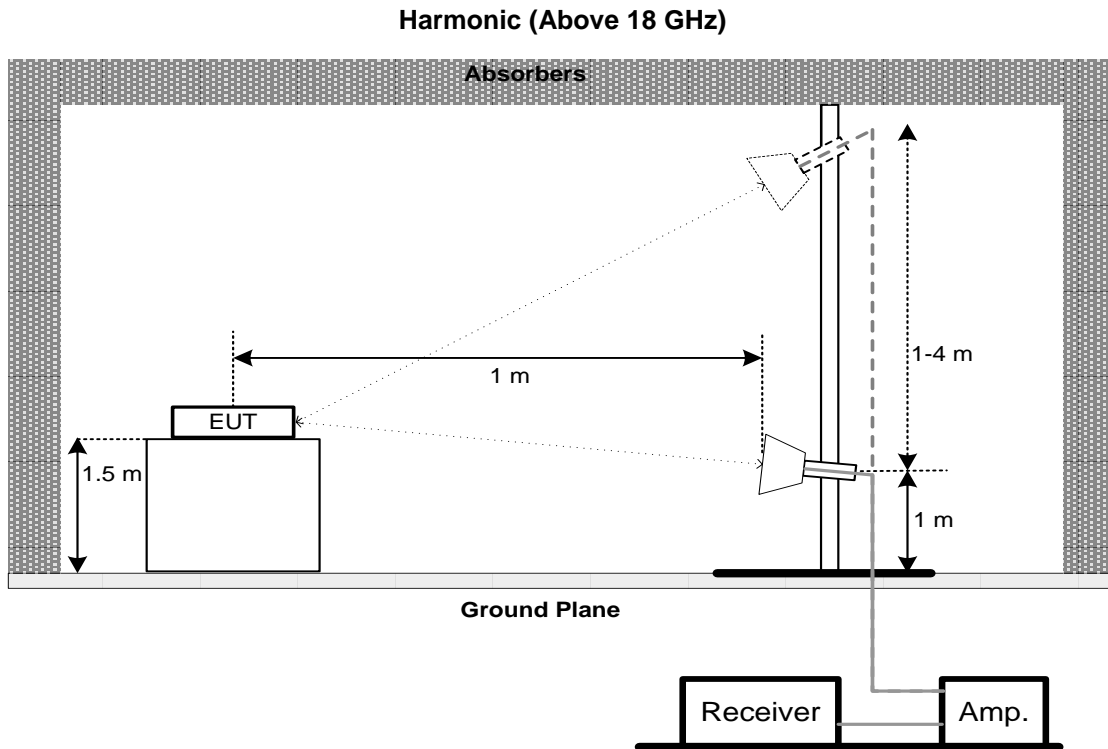
9 kHz to 30 MHz



30 MHz to 1 GHz



**Above 1 GHz  
Band edge****Harmonic (1 GHz to 18 GHz)**



### 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 =  $40 \log (\text{specific distance} / \text{test distance})$  (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

### 5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

### 5.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

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

## 6. BANDWIDTH

### 6.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	26 dB Bandwidth	-	5150-5250
FCC 15.407(e)	26 dB Bandwidth	-	5250-5350
	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:

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

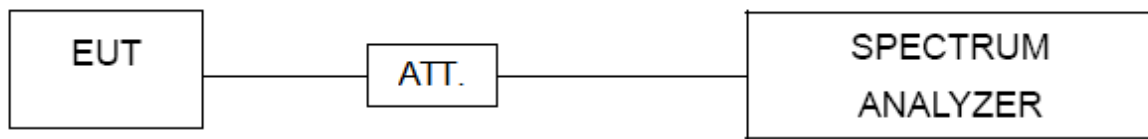
For 99% Occupied Bandwidth:

Spectrum Parameter	Setting
Span Frequency	1.5 times to 5 times the OBW
RBW	1% to 5% of the OBW
VBW	$\geq 3 \cdot \text{RBW}$
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
		1 Watt (30dBm)	5725-5850

Note:

- a. For an outdoor 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. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).
- 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.

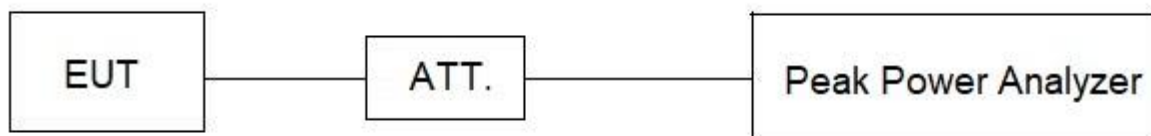
### 7.2 TEST PROCEDURE

- 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
		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:

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:

- 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  $10 \log (500 \text{ kHz}/100 \text{ kHz})$  to the measured result, i.e. 7 dB.
- 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. FREQUENCY STABILITY

### 9.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(g)	Frequency Stability	An emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.	5150-5250
			5250-5350
			5725-5850

### 9.2 TEST PROCEDURE

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

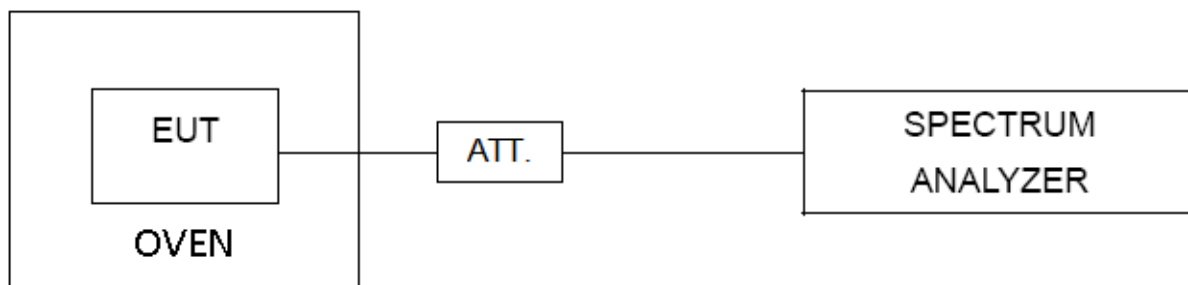
Spectrum Parameter	Setting
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
- d. User manual temperature is 0°C~40°C.

### 9.3 DEVIATION FROM STANDARD

No deviation.

### 9.4 TEST SETUP



### 9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 9.6 TEST RESULTS

Please refer to the APPENDIX H.

**10. 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	ESR3	103027	Jun. 16, 2024
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Dec. 22, 2024
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M-001	9M	Nov. 27, 2024

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60B	1513-60 B-034	Mar. 30, 2025
2	MXE EMI Receiver	Keysight	N9038A	MY56400091	Dec. 22, 2024
3	Cable	N/A	RW2350-3.8A-NMB M-1.5M	N/A	Jun. 10, 2024
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	1462	Dec. 13, 2024
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06009	Dec. 13, 2024
3	Preamplifier	EMC INSTRUMENT	EMC001330	980863	Apr. 07, 2025
4	Cable	RegaWay	LMR400-NMNM-12.5m	N/A	Jul. 04, 2024
5	Cable	RegaWay	LMR400-NMNM-3m	N/A	Jul. 04, 2024
6	Cable	RegaWay	LMR400-NMNM-0.5m	N/A	Jul. 04, 2024
7	Receiver	Agilent	N9038A	MY52130039	Dec. 22, 2024
8	Positioning Controller	MF	MF-7802	N/A	N/A
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	966 Chamber room	CM	9*6*6	N/A	May 16, 2025

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Receiver	Agilent	N9038A	MY52130039	Dec. 22, 2024
2	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980888	Nov. 17, 2024
3	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	May 31, 2025
4	Double Ridged Guide Antenna	ETS	3115	75846	Mar. 20, 2025
5	Cable	RegalWay	RWLP50-4.0A-SMS M-12.5M	N/A	Feb. 19, 2025
6	Cable	RegalWay	RWLP50-4.0A-NM RASM-2.5M	N/A	Aug. 08, 2024
7	Cable	RegalWay	RWLP50-4.0A-NM RASMRA-0.8M	N/A	Aug. 08, 2024
8	Low Noise Amplifier	CONNPHY	CLN-18G40G-4330 -K	619413	Jul. 06, 2024
9	Cable	RegalWay	RWLP50-2.6A-2.92 M2.92M-1.1M	N/A	Jul. 26, 2024
10	Cable	Tonscend	HF160-KMKM-3M	N/A	Jul. 26, 2024
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	1227	Oct. 10, 2024
12	966 Chamber room	CM	9*6*6	N/A	May 19, 2025
13	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
14	Filter	STI	STI15-9969	N/A	May 31, 2025
15	Positioning Controller	MF	MF-7802	N/A	N/A
16	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

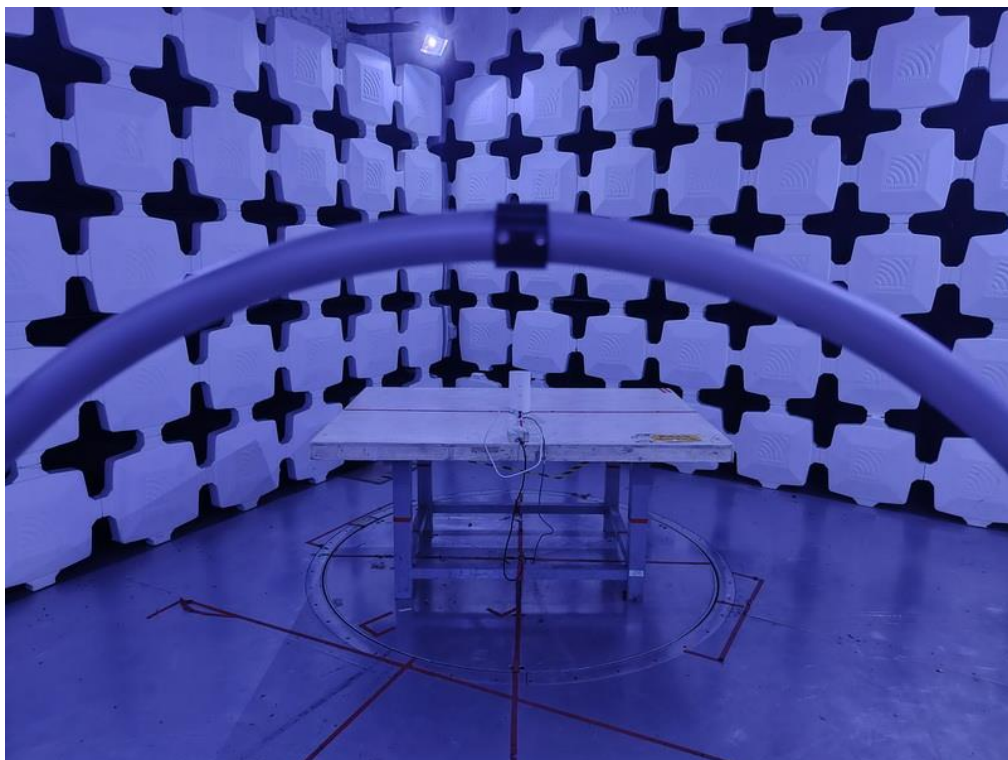
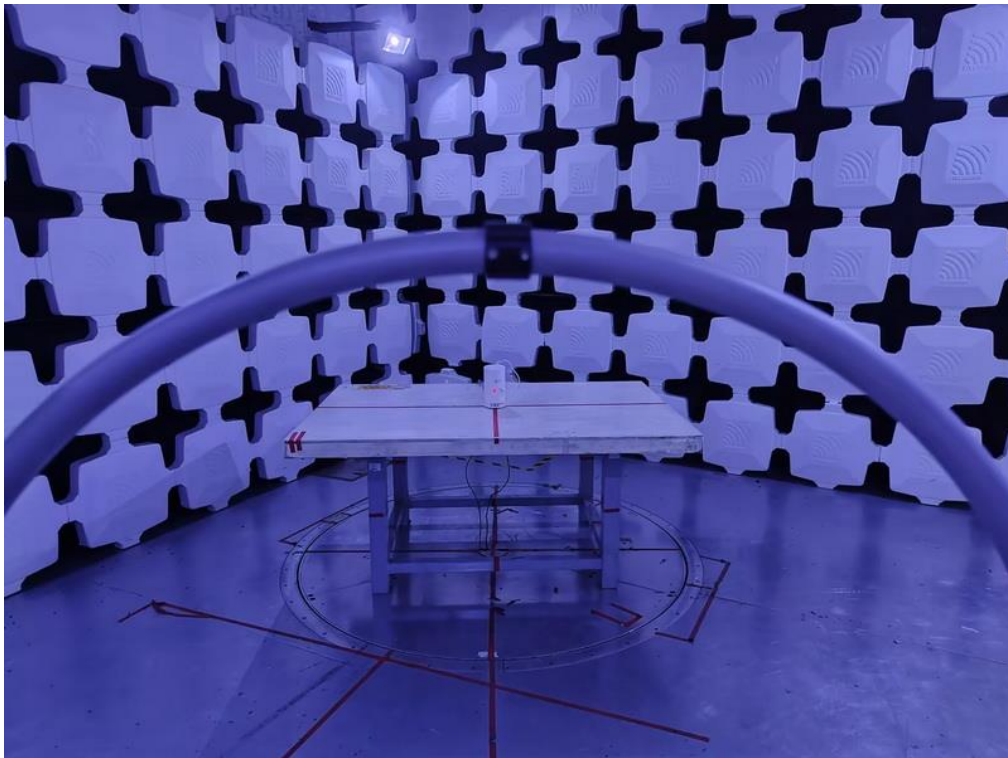
Bandwidth & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP38	100852	Jun. 16, 2024
2	Measurement Software	BTL	BTL Conducted Test	N/A	N/A
3	Attenuator	Talent Microwave	TA10A0-S-26.5	N/A	N/A
4	DC Block	N/A	N/A	N/A	N/A
5	MXA Signal Analyzer	KEYSIGHT	N9020B	MY63380204	Nov. 17, 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	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A

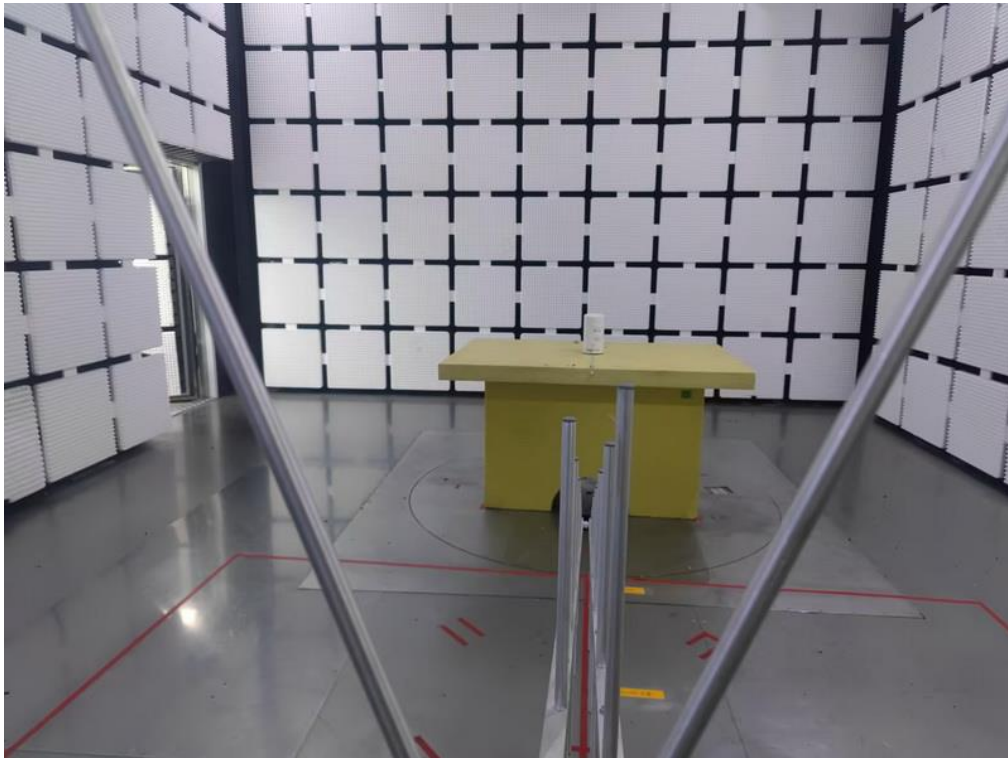
Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

**11. EUT TEST PHOTOS****AC Power Line Conducted Emissions Test Photos**

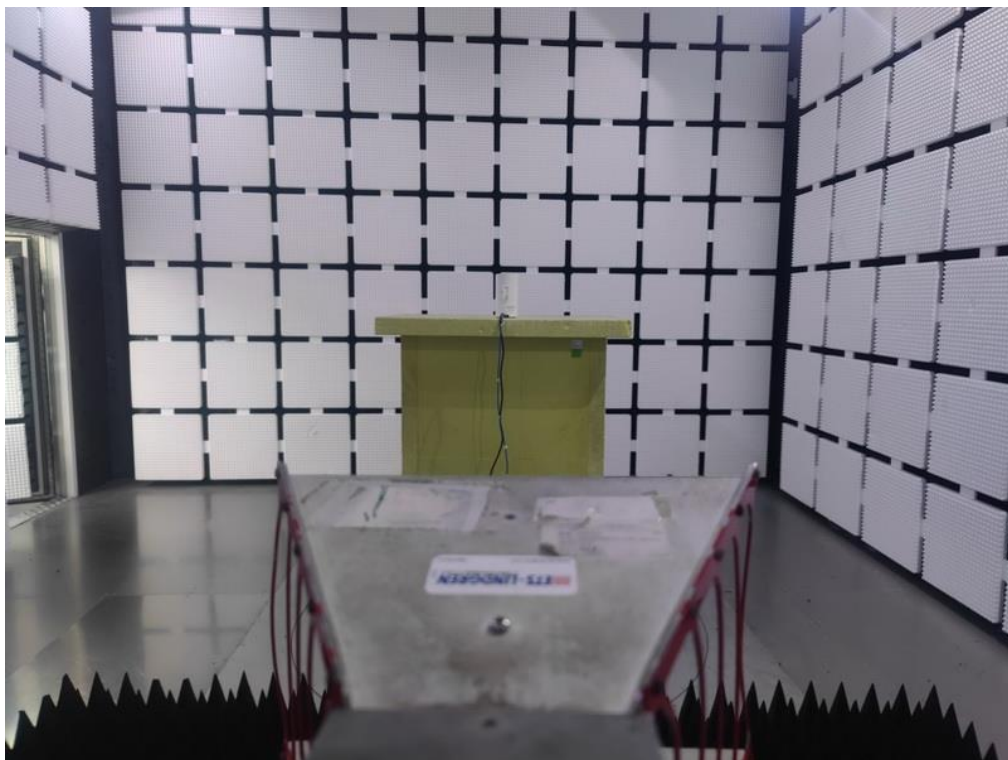
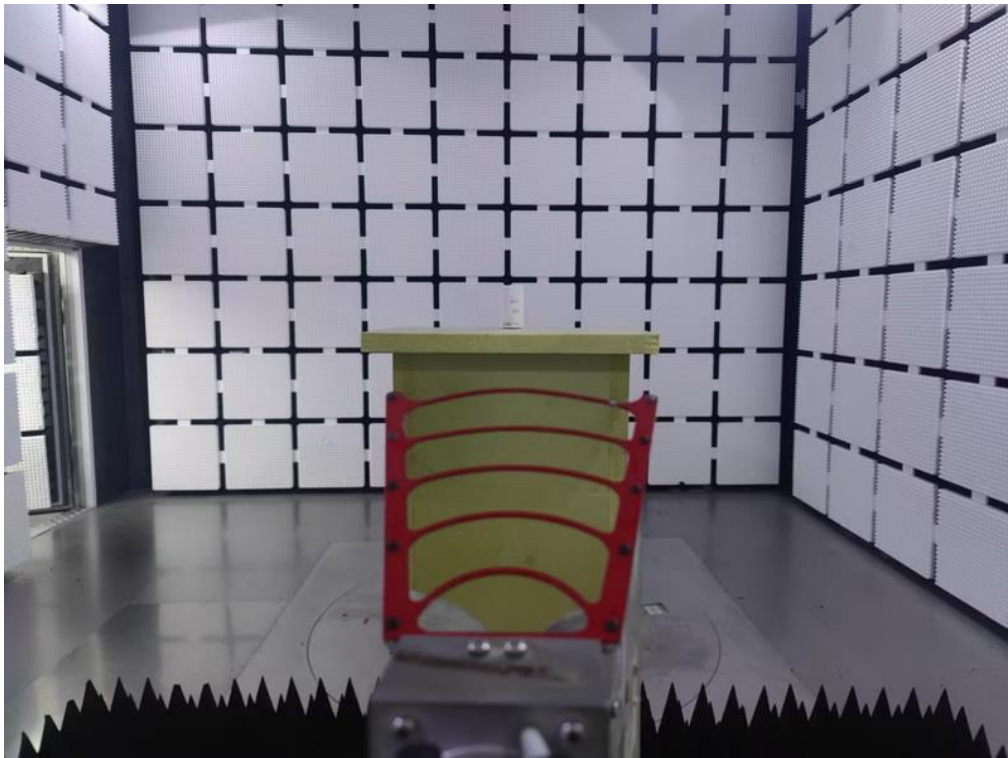
**Radiated Emissions Test Photos****9 kHz to 30 MHz**

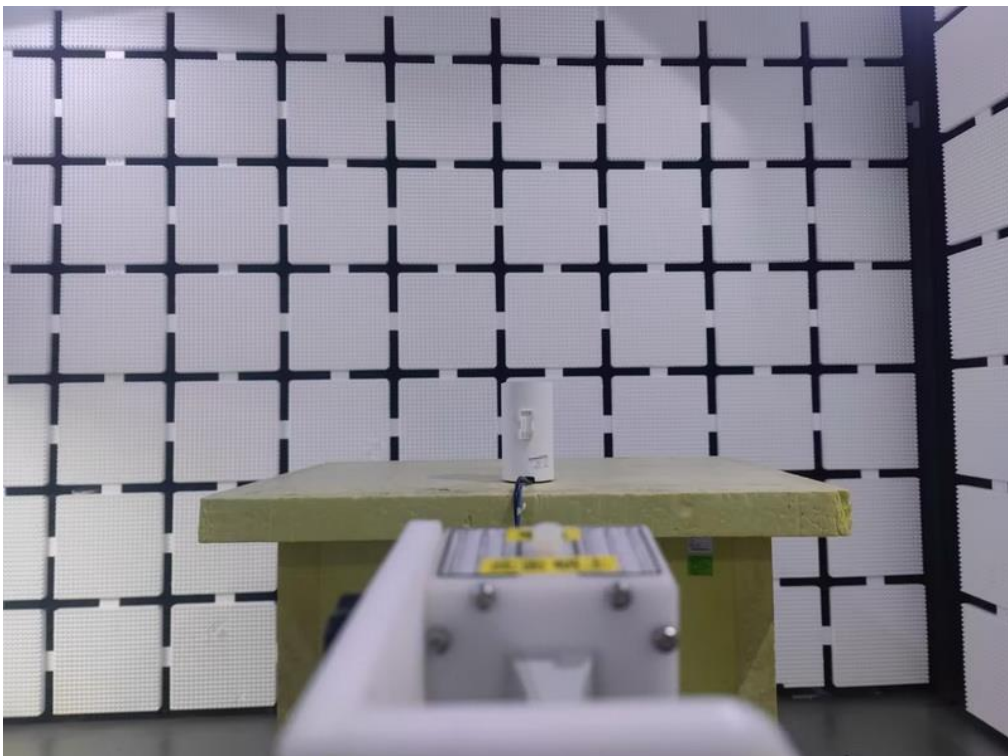


**Radiated Emissions Test Photos****30 MHz to 1 GHz**

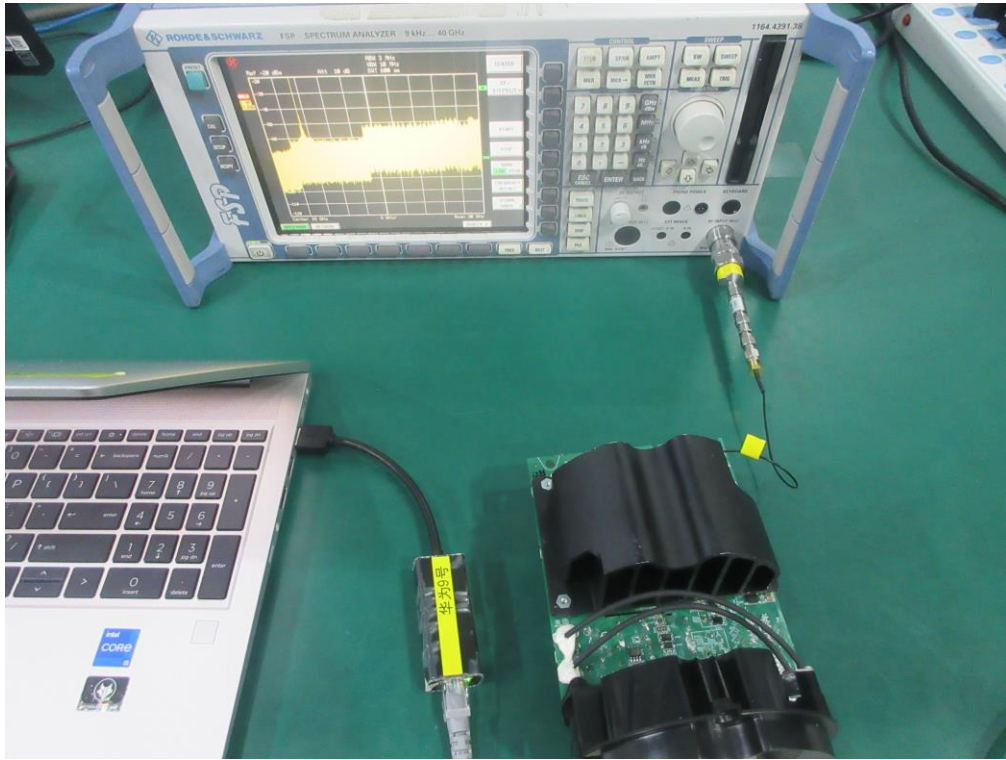
x

**Radiated Emissions Test Photos**  
**Band edge & Harmonic(1 GHz to 18 GHz)**



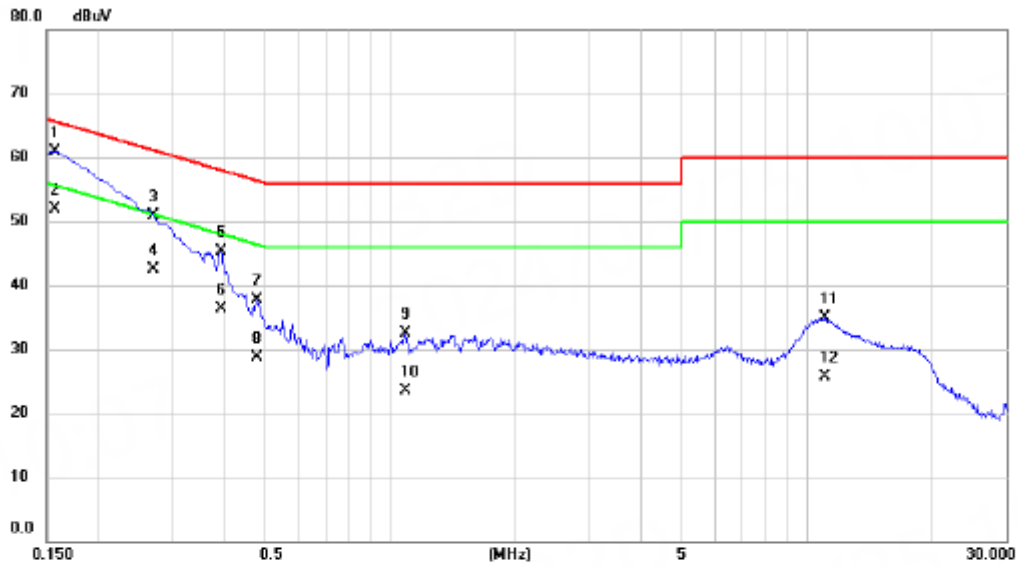
**Radiated Emissions Test Photos****Harmonic(Above 18 GHz)**

**Conducted Test Photos**



## **APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS**

Test Mode	TX AX(HE20) Mode Channel 165 (UNII-3)	Phase	Line
-----------	---------------------------------------	-------	------

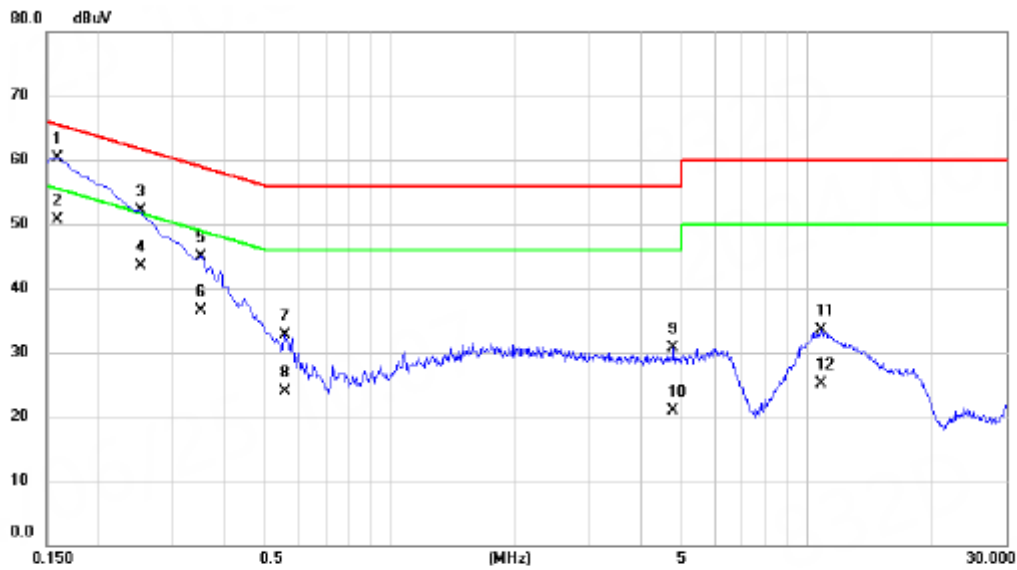


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1568	51.24	9.74	60.98	65.63	-4.65	QP	
2	*	0.1568	42.20	9.74	51.94	55.63	-3.69	AVG	
3		0.2714	41.06	9.76	50.82	61.07	-10.25	QP	
4		0.2714	32.70	9.76	42.46	51.07	-8.61	AVG	
5		0.3930	35.46	9.77	45.23	58.00	-12.77	QP	
6		0.3930	26.50	9.77	36.27	48.00	-11.73	AVG	
7		0.4807	27.91	9.79	37.70	56.33	-18.63	QP	
8		0.4807	18.90	9.79	28.69	46.33	-17.64	AVG	
9		1.0882	22.66	9.82	32.48	56.00	-23.52	QP	
10		1.0882	13.70	9.82	23.52	46.00	-22.48	AVG	
11		11.0467	24.43	10.54	34.97	60.00	-25.03	QP	
12		11.0467	15.10	10.54	25.64	50.00	-24.36	AVG	

**REMARKS:**

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

Test Mode	TX AX(HE20) Mode Channel 165 (UNII-3)	Phase	Neutral
-----------	---------------------------------------	-------	---------



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1590	50.77	9.59	60.36	65.52	-5.16	QP	
2 *	0.1590	41.10	9.59	50.69	55.52	-4.83	AVG	
3	0.2513	42.39	9.62	52.01	61.71	-9.70	QP	
4	0.2513	33.90	9.62	43.52	51.71	-8.19	AVG	
5	0.3525	35.36	9.64	45.00	58.90	-13.90	QP	
6	0.3525	26.80	9.64	36.44	48.90	-12.46	AVG	
7	0.5595	23.14	9.65	32.79	56.00	-23.21	QP	
8	0.5595	14.20	9.65	23.85	46.00	-22.15	AVG	
9	4.7783	20.79	9.84	30.63	56.00	-25.37	QP	
10	4.7783	11.10	9.84	20.94	46.00	-25.06	AVG	
11	10.8083	23.14	10.42	33.56	60.00	-26.44	QP	
12	10.8083	14.70	10.42	25.12	50.00	-24.88	AVG	

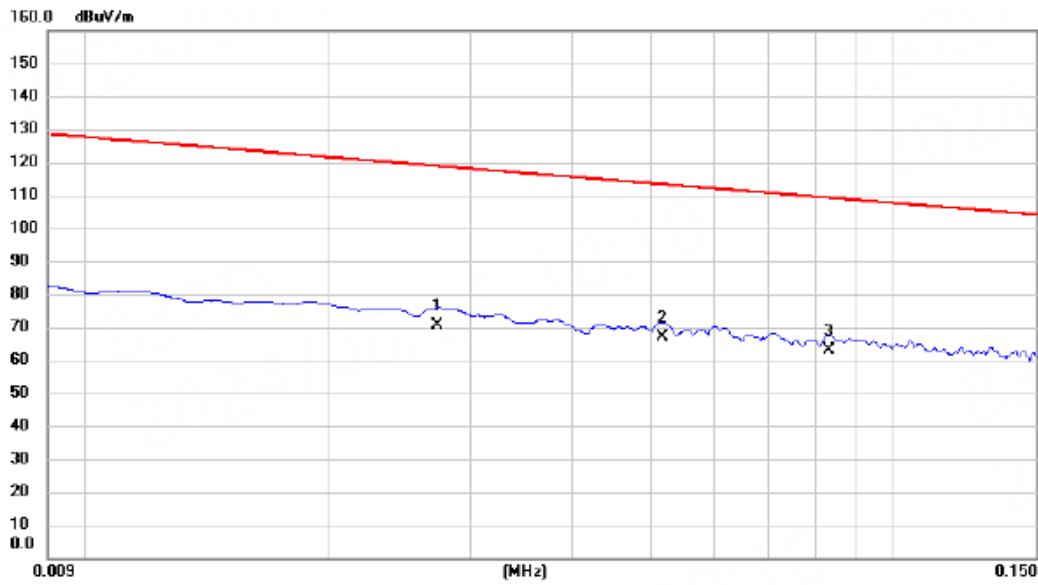
**REMARKS:**

- (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 AX(HE20) Mode Channel 165 (UNII-3)	Polarization	Ant 0°
-----------	---------------------------------------	--------------	--------

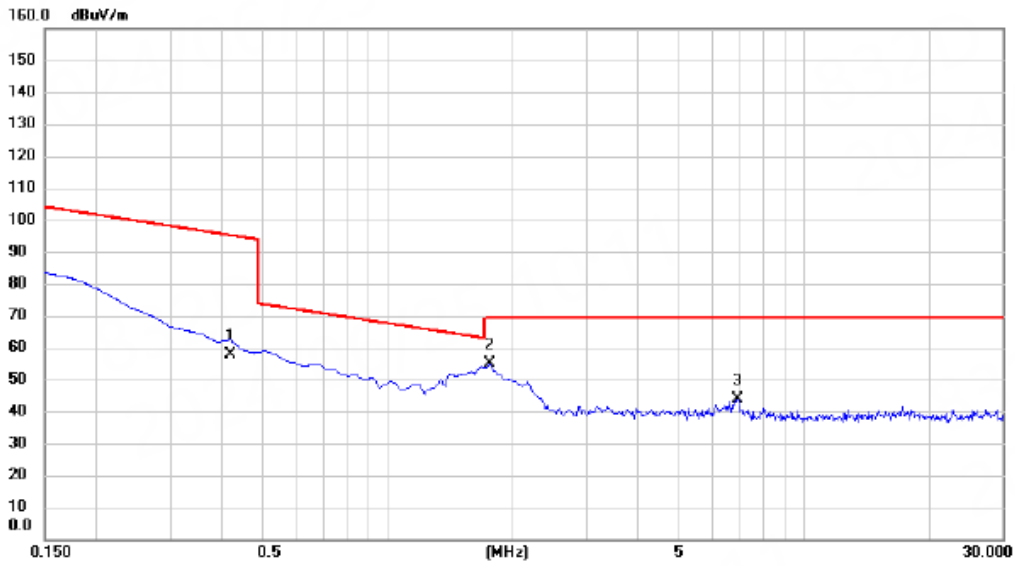


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.0273	49.66	21.02	70.68	118.88	-48.20	AVG	
2	0.0517	45.71	21.21	66.92	113.34	-46.42	AVG	
3 *	0.0832	41.58	21.30	62.88	109.20	-46.32	AVG	

REMARKS:

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

Test Mode	TX AX(HE20) Mode Channel 165 (UNII-3)	Polarization	Ant 0°
-----------	---------------------------------------	--------------	--------

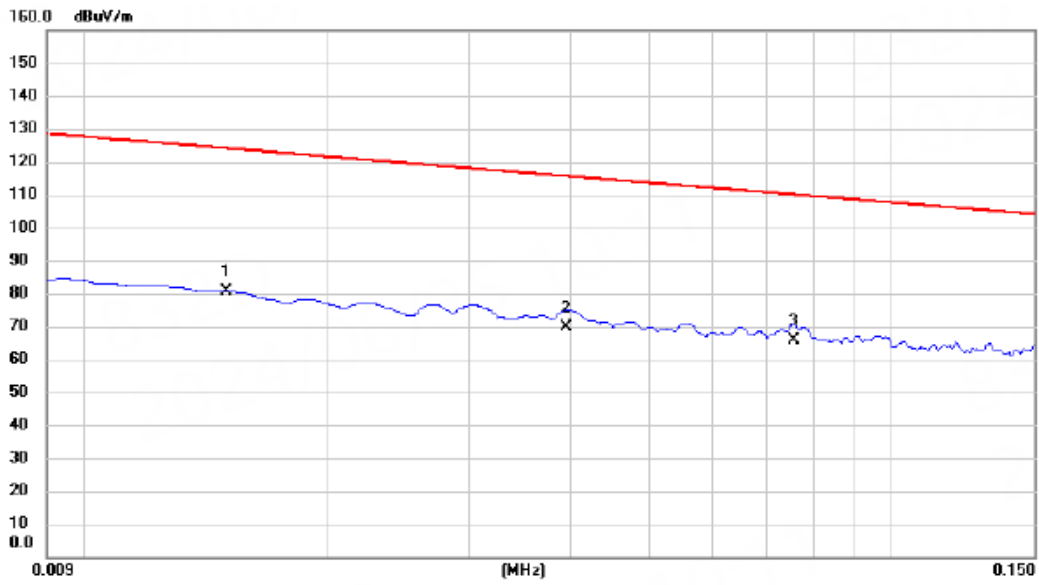


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.4187	36.77	21.05	57.82	95.17	-37.35	AVG	
2	*	1.7620	33.95	21.11	55.06	69.54	-14.48	QP	
3		6.9260	22.53	21.17	43.70	69.54	-25.84	QP	

**REMARKS:**

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

Test Mode	TX AX(HE20) Mode Channel 165 (UNII-3)	Polarization	Ant 90°
-----------	---------------------------------------	--------------	---------

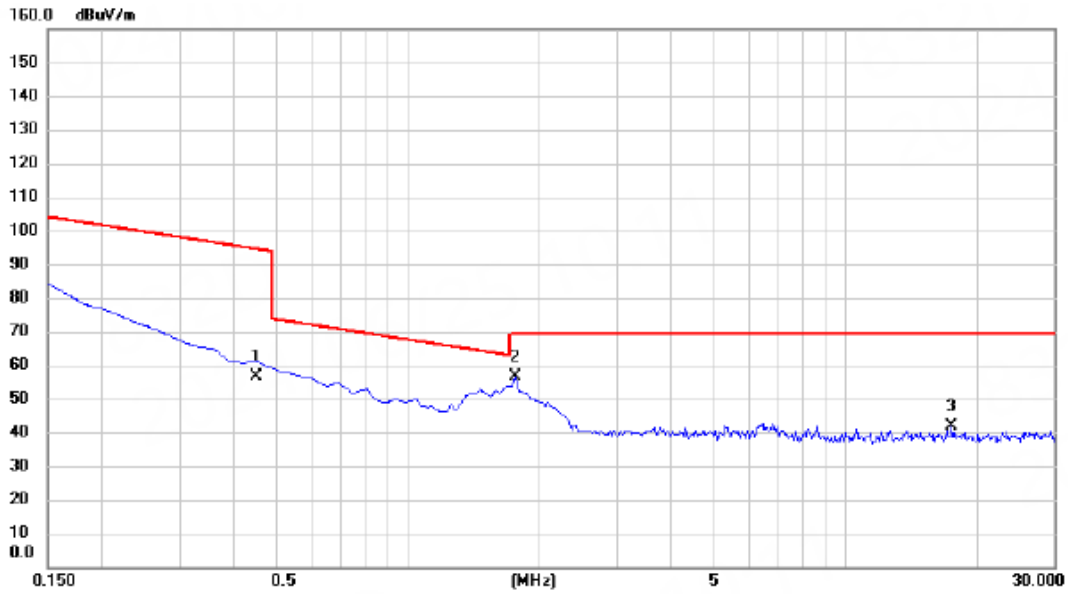


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	0.0150	60.07	20.65	80.72	124.08	-43.36	QP	
2	0.0396	48.77	21.15	69.92	115.65	-45.73	AVG	
3	0.0756	44.63	21.29	65.92	110.03	-44.11	AVG	

REMARKS:

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

Test Mode	TX AX(HE20) Mode Channel 165 (UNII-3)	Polarization	Ant 90°
-----------	---------------------------------------	--------------	---------



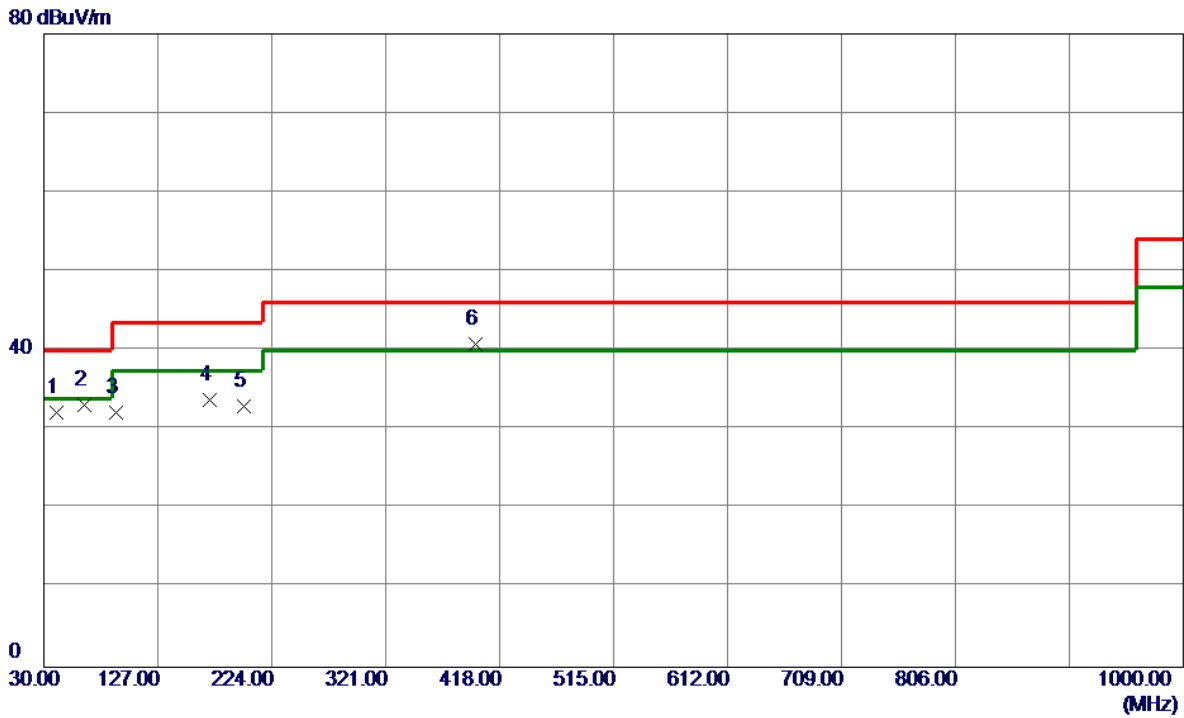
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.4485	35.47	21.05	56.52	94.57	-38.05	AVG	
2	*	1.7620	35.31	21.11	56.42	69.54	-13.12	QP	
3		17.5227	20.30	21.37	41.67	69.54	-27.87	QP	

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 AX(HE20) Mode Channel 165 (UNII-3)	Polarization	Vertical
-----------	---------------------------------------	--------------	----------

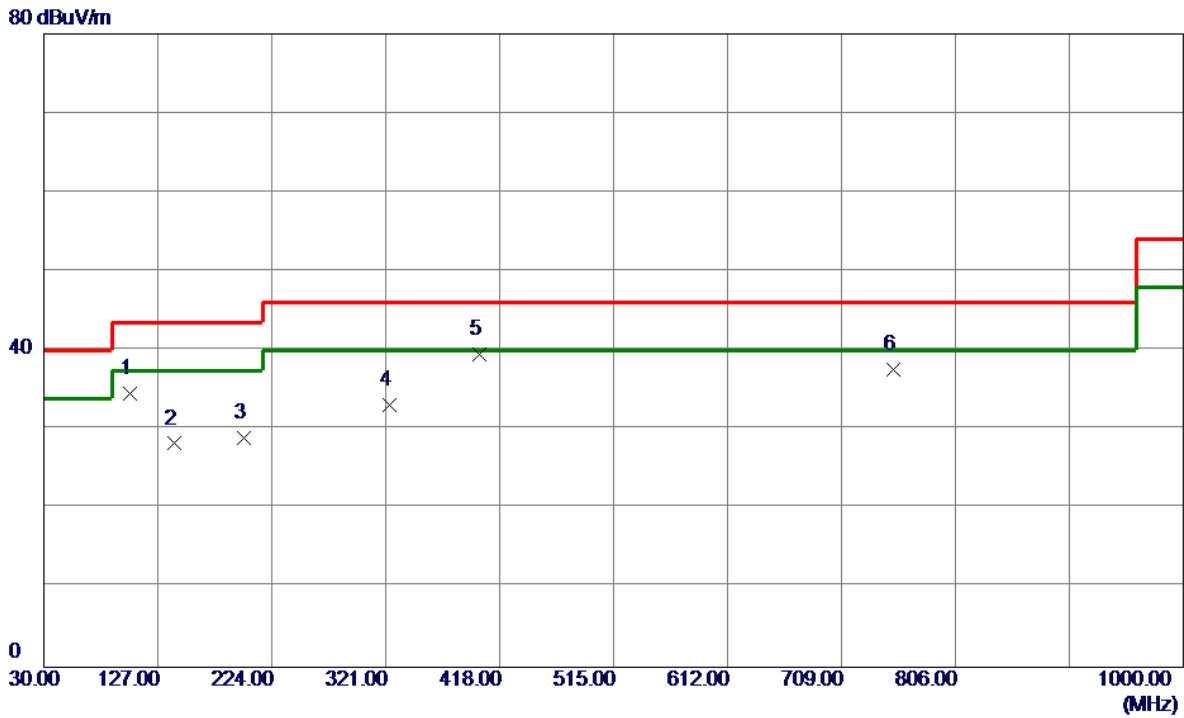


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	40.6699	43.81	-11.70	32.11	40.00	-7.89	Peak	
2	64.9200	45.83	-12.66	33.17	40.00	-6.83	Peak	
3	91.5950	49.02	-16.92	32.10	43.50	-11.40	Peak	
4	171.6200	45.06	-11.34	33.72	43.50	-9.78	Peak	
5	200.2350	47.36	-14.34	33.02	43.50	-10.48	Peak	
6 *	397.1450	48.80	-7.94	40.86	46.00	-5.14	Peak	

**REMARKS:**

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

Test Mode	TX AX(HE20) Mode Channel 165 (UNII-3)	Polarization	Horizontal
-----------	---------------------------------------	--------------	------------



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	103.7200	49.85	-15.26	34.59	43.50	-8.91	Peak	
2	141.0650	39.81	-11.57	28.24	43.50	-15.26	Peak	
3	200.2350	43.32	-14.34	28.98	43.50	-14.52	Peak	
4	324.3950	42.90	-9.71	33.19	46.00	-12.81	Peak	
5 *	401.0250	47.40	-7.86	39.54	46.00	-6.46	Peak	
6	753.6200	38.51	-0.95	37.56	46.00	-8.44	Peak	

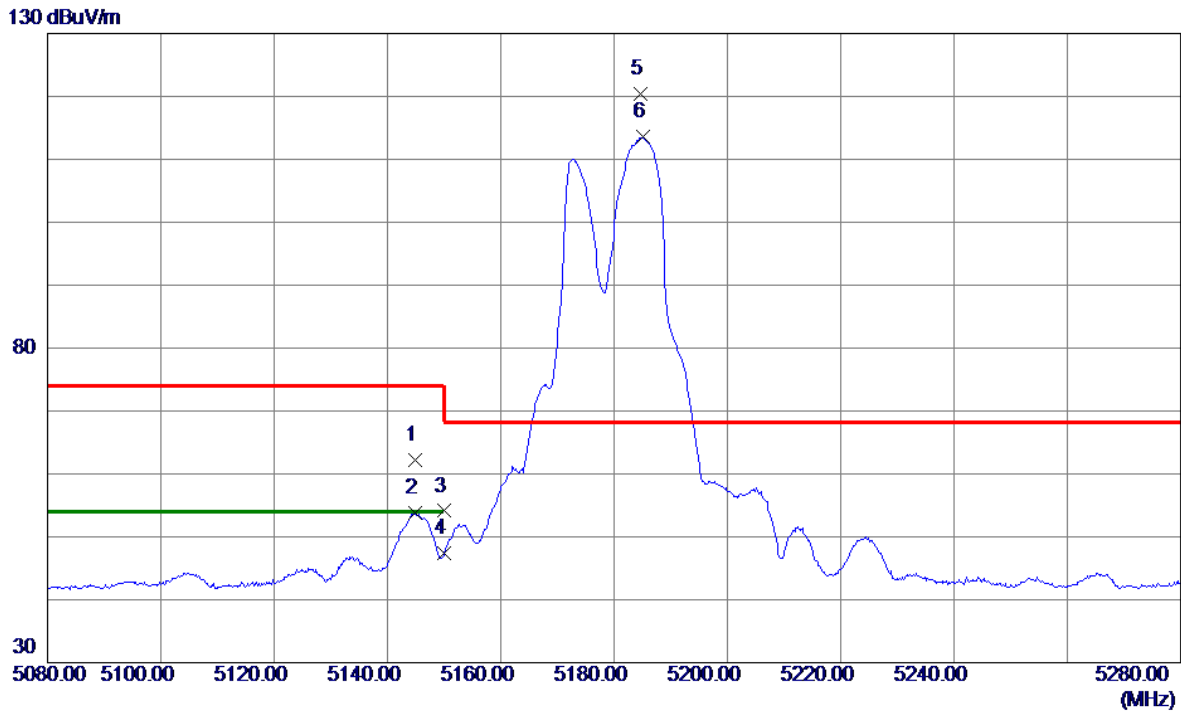
REMARKS:

- (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	Vertical
-----------	---------------------------	--------------	----------

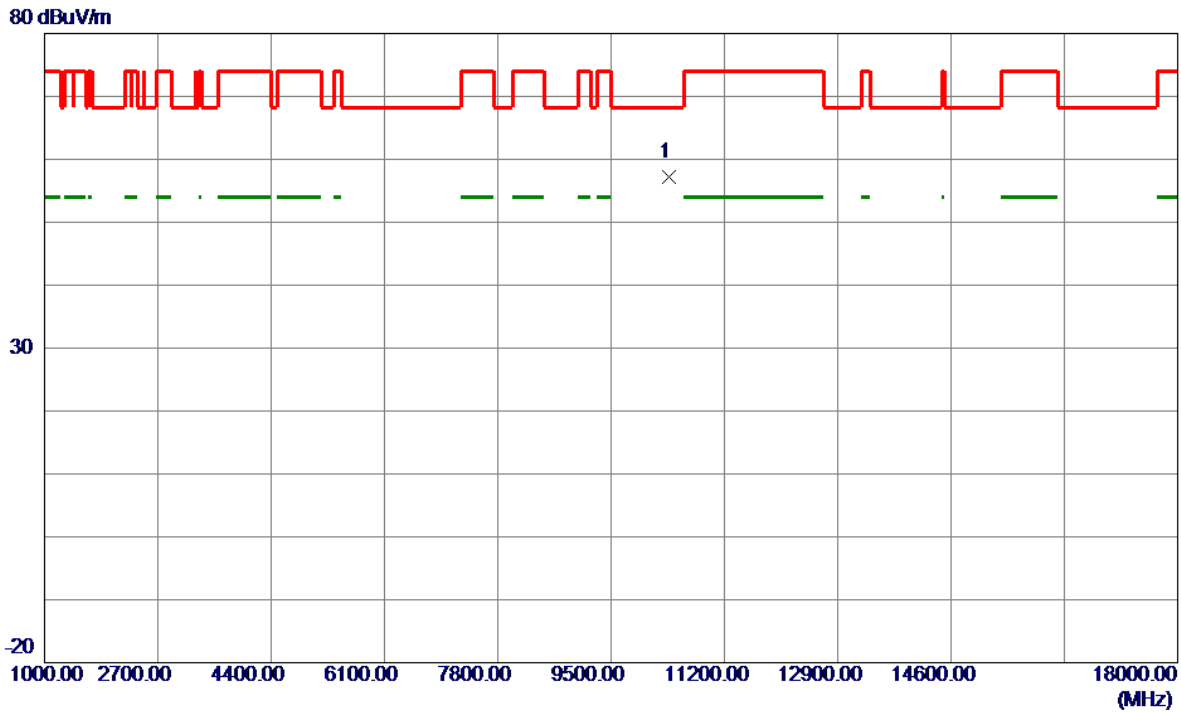


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5144.8000	50.78	11.44	62.22	74.00	-11.78	Peak	
2	5144.8000	42.42	11.44	53.86	54.00	-0.14	AVG	
3	5150.0000	42.65	11.45	54.10	74.00	-19.90	Peak	
4	5150.0000	36.00	11.45	47.45	54.00	-6.55	AVG	
5 *	5184.7000	108.90	11.57	120.47	68.20	52.27	Peak	No Limit
6	5185.1000	101.96	11.57	113.53	999.00	-885.47	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
-----------	---------------------------	--------------	------------

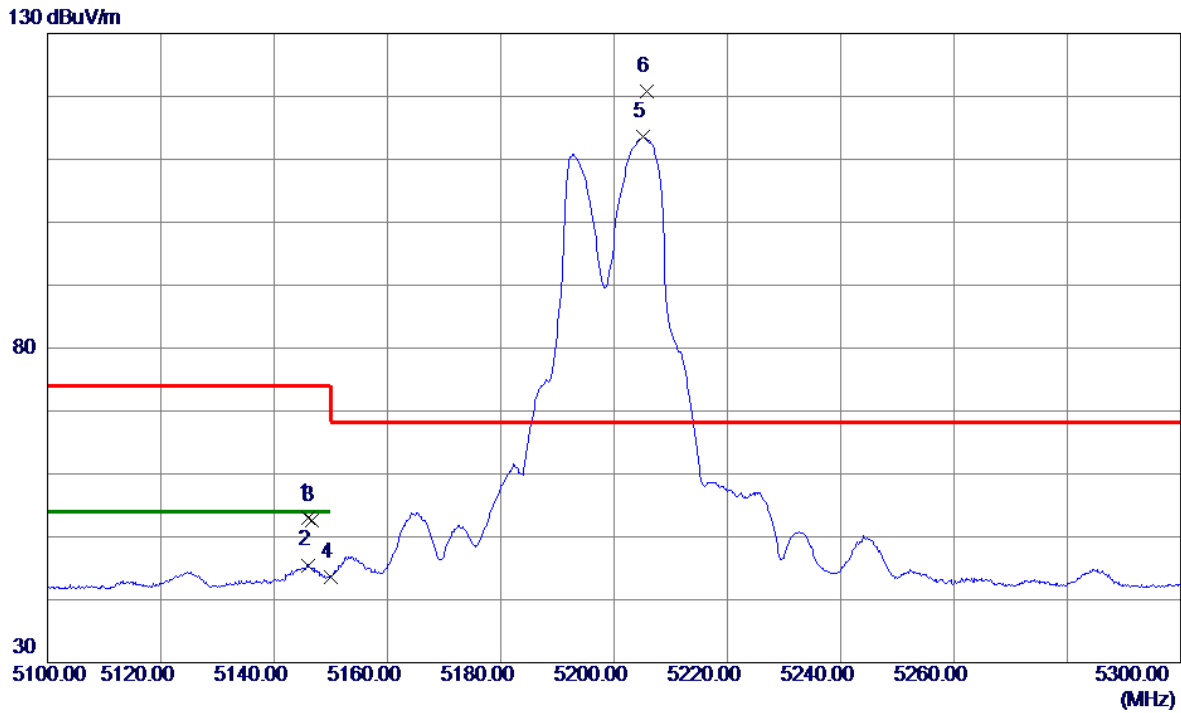


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10360.6500	49.81	7.35	57.16	68.20	-11.04	Peak	

**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	Vertical
-----------	---------------------------	--------------	----------

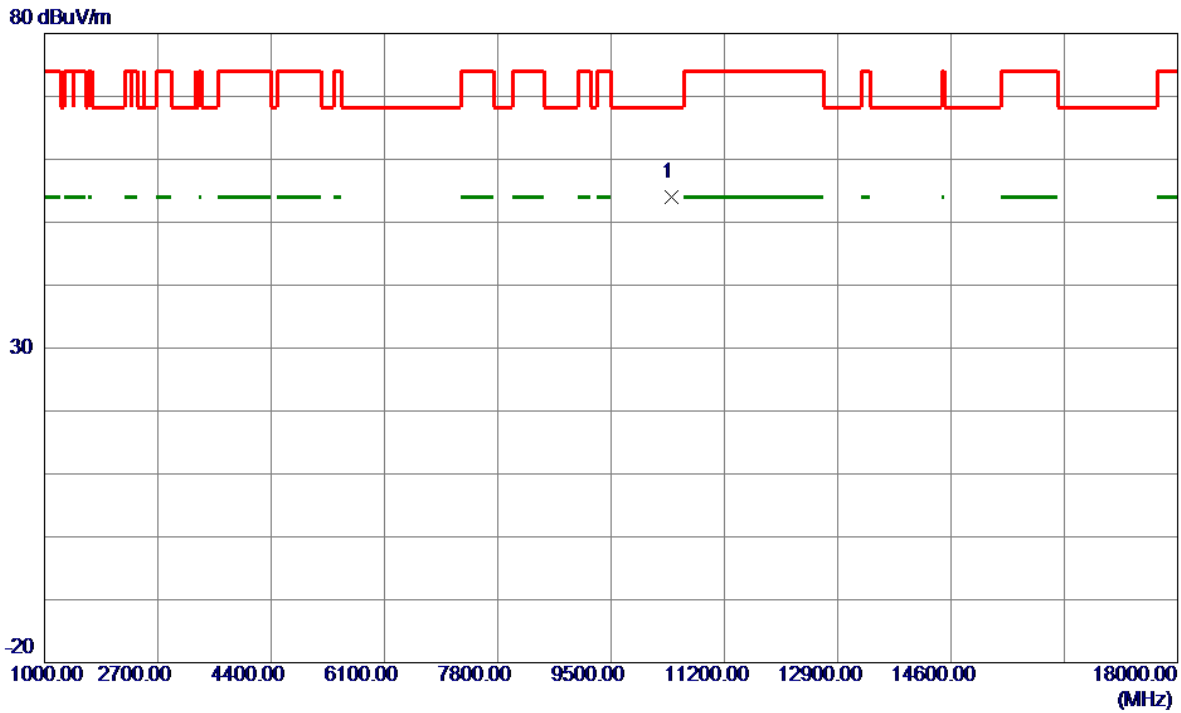


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5146.0000	41.58	11.44	53.02	74.00	-20.98	Peak	
2	5146.0000	34.06	11.44	45.50	54.00	-8.50	AVG	
3	5146.7000	41.17	11.44	52.61	74.00	-21.39	Peak	
4	5150.0000	32.06	11.45	43.51	54.00	-10.49	AVG	
5	5205.1000	102.01	11.64	113.65	999.00	-885.35	AVG	No Limit
6 *	5205.7000	109.19	11.65	120.84	68.20	52.64	Peak	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
-----------	---------------------------	--------------	------------

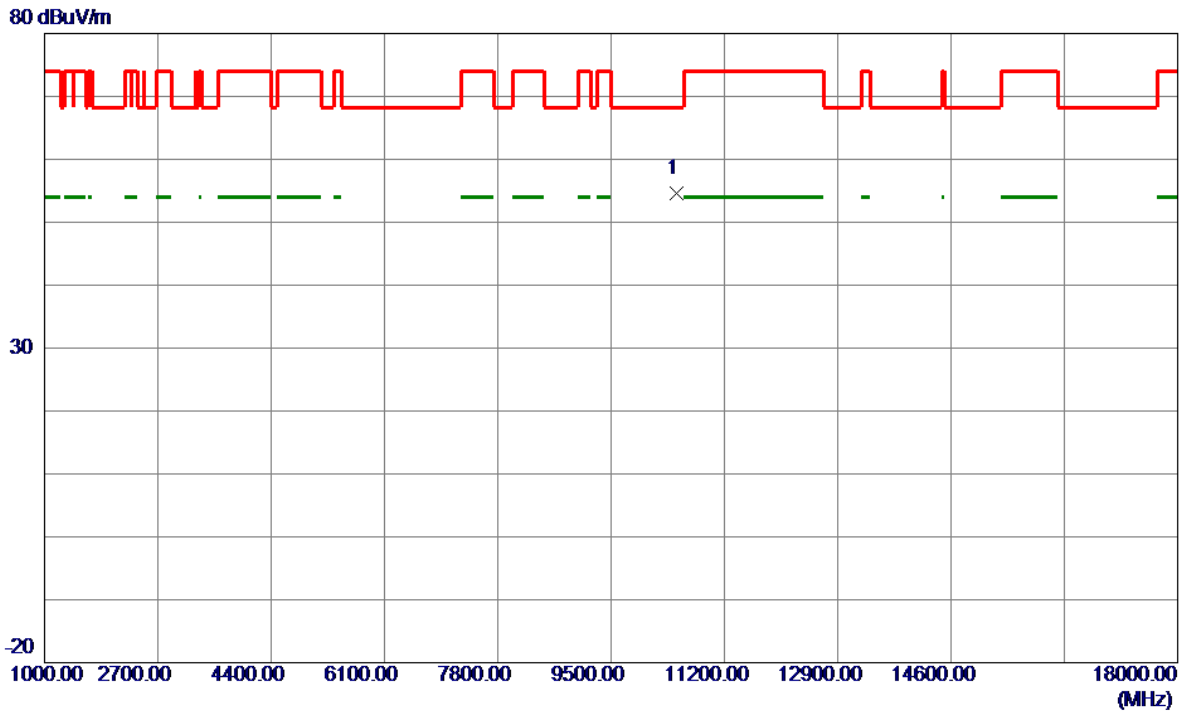


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10400.4000	46.64	7.40	54.04	68.20	-14.16	Peak	

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
-----------	---------------------------	--------------	------------

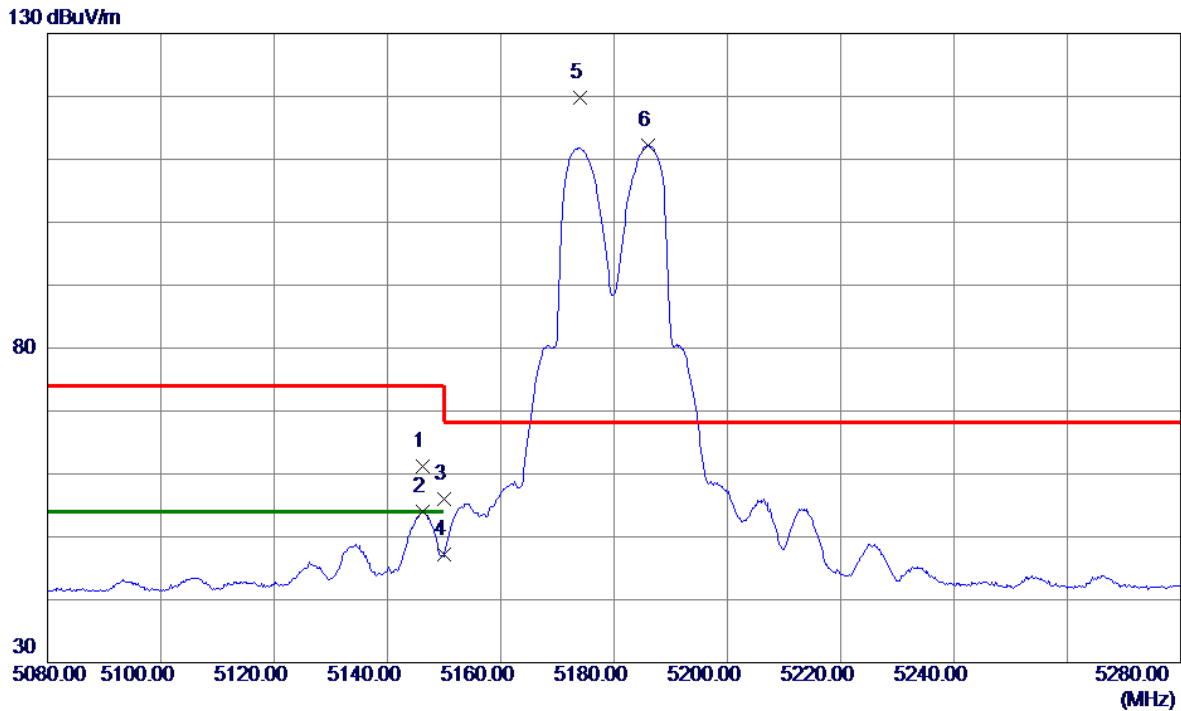


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10476.2500	47.18	7.51	54.69	68.20	-13.51	Peak	

**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	Vertical
-----------	-----------------------------------	--------------	----------

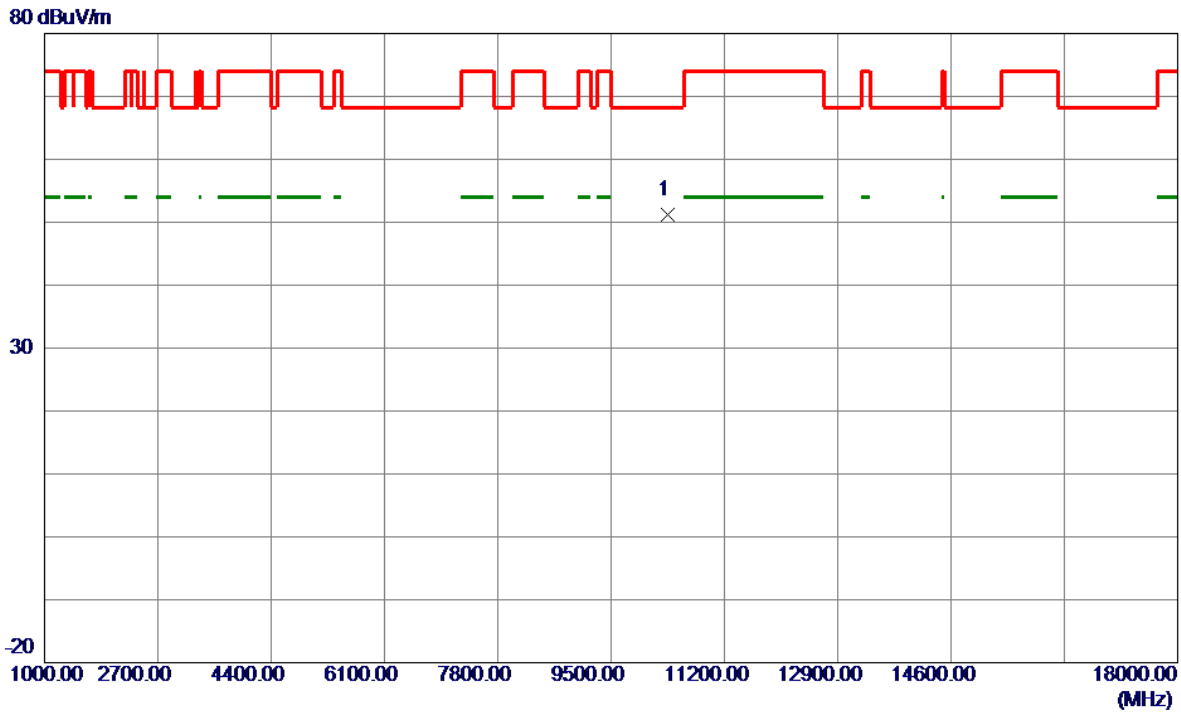


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5146.3000	49.71	11.44	61.15	74.00	-12.85	Peak	
2	5146.3000	42.50	11.44	53.94	54.00	-0.06	AVG	
3	5150.0000	44.55	11.45	56.00	74.00	-18.00	Peak	
4	5150.0000	35.75	11.45	47.20	54.00	-6.80	AVG	
5 *	5174.0000	108.23	11.54	119.77	68.20	51.57	Peak	No Limit
6	5186.1000	100.69	11.58	112.27	999.00	-886.73	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
-----------	-----------------------------------	--------------	------------

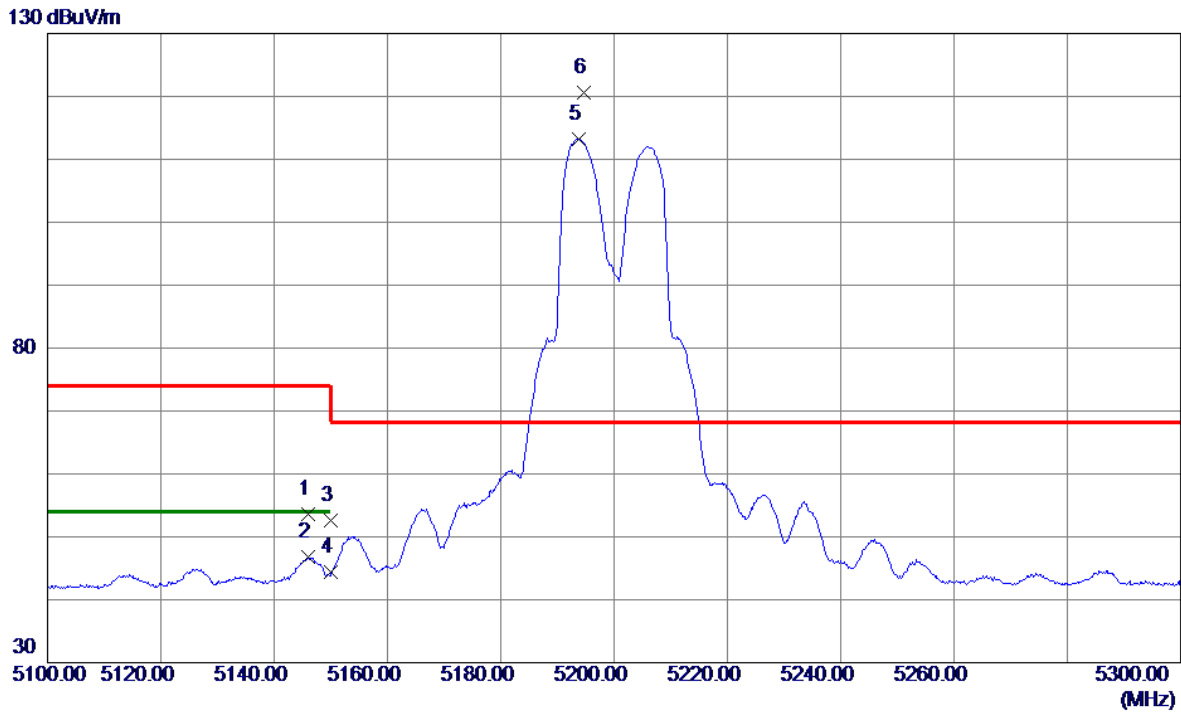


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10358.2500	43.90	7.34	51.24	68.20	-16.96	Peak	

**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	Vertical
-----------	-----------------------------------	--------------	----------



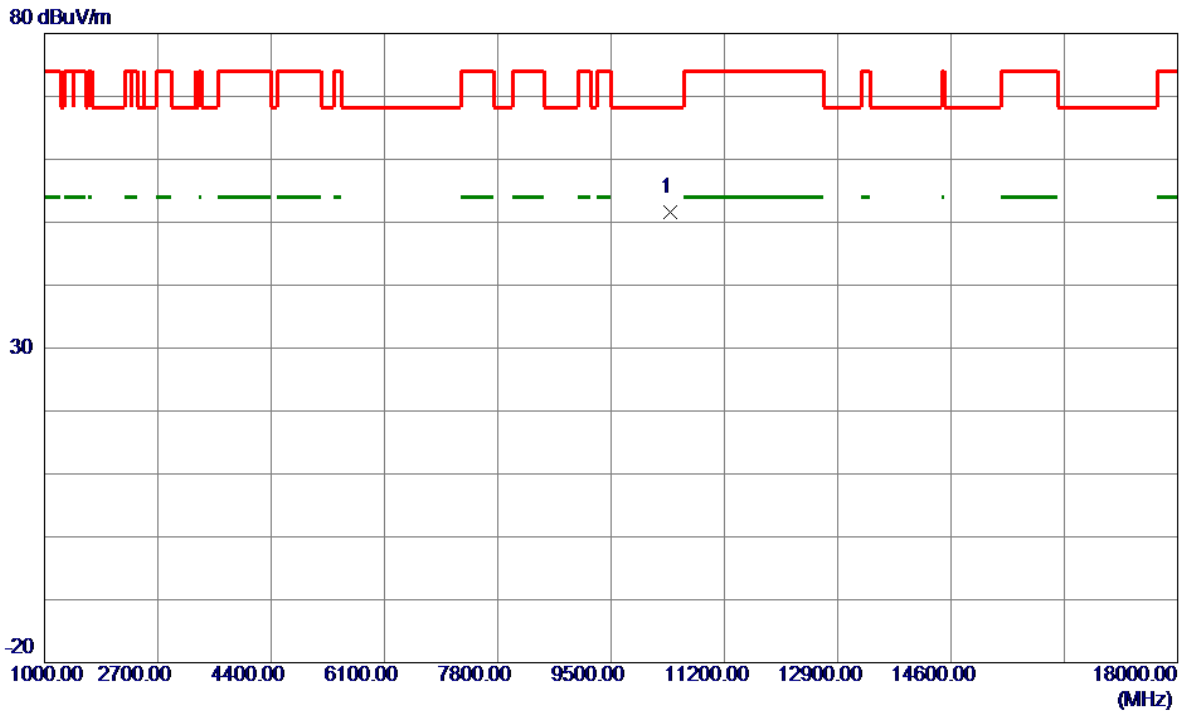
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5146.0000	42.25	11.44	53.69	74.00	-20.31	Peak	
2	5146.0000	35.29	11.44	46.73	54.00	-7.27	AVG	
3	5150.0000	41.07	11.45	52.52	74.00	-21.48	Peak	
4	5150.0000	32.90	11.45	44.35	54.00	-9.65	AVG	
5	5193.8000	101.68	11.60	113.28	999.00	-885.72	AVG	No Limit
6 *	5194.6000	109.04	11.61	120.65	68.20	52.45	Peak	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
-----------	-----------------------------------	--------------	------------

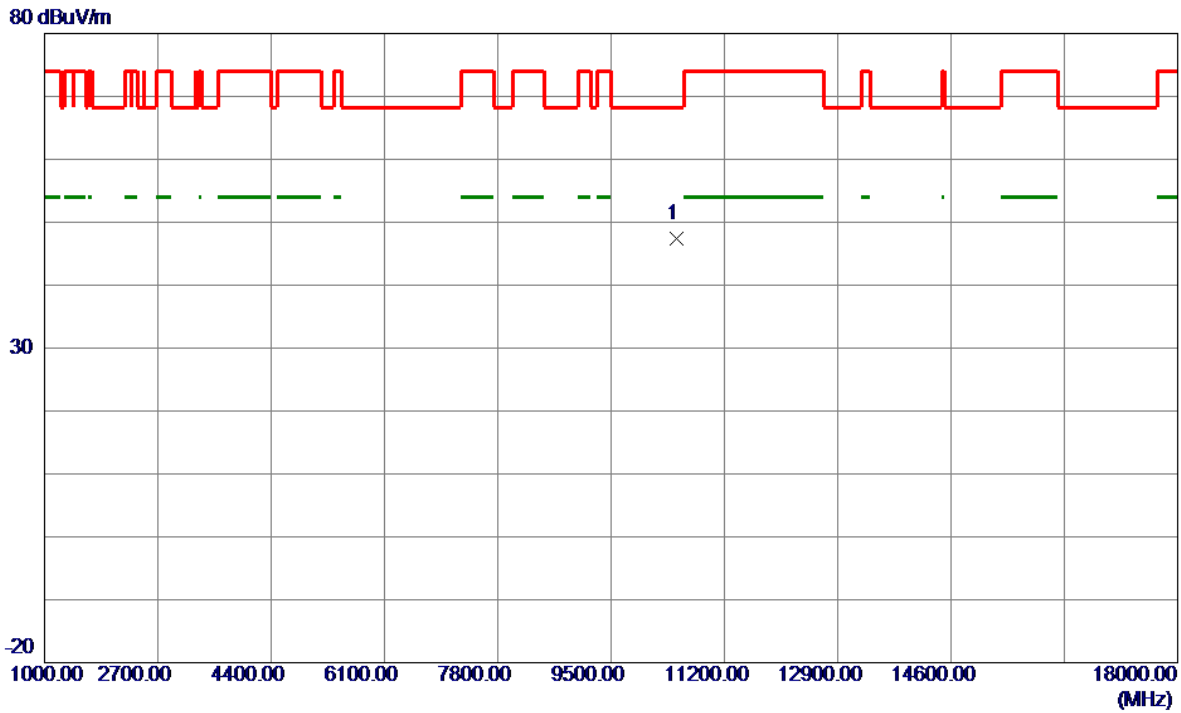


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10395.1000	44.11	7.40	51.51	68.20	-16.69	Peak	

**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
-----------	-----------------------------------	--------------	------------

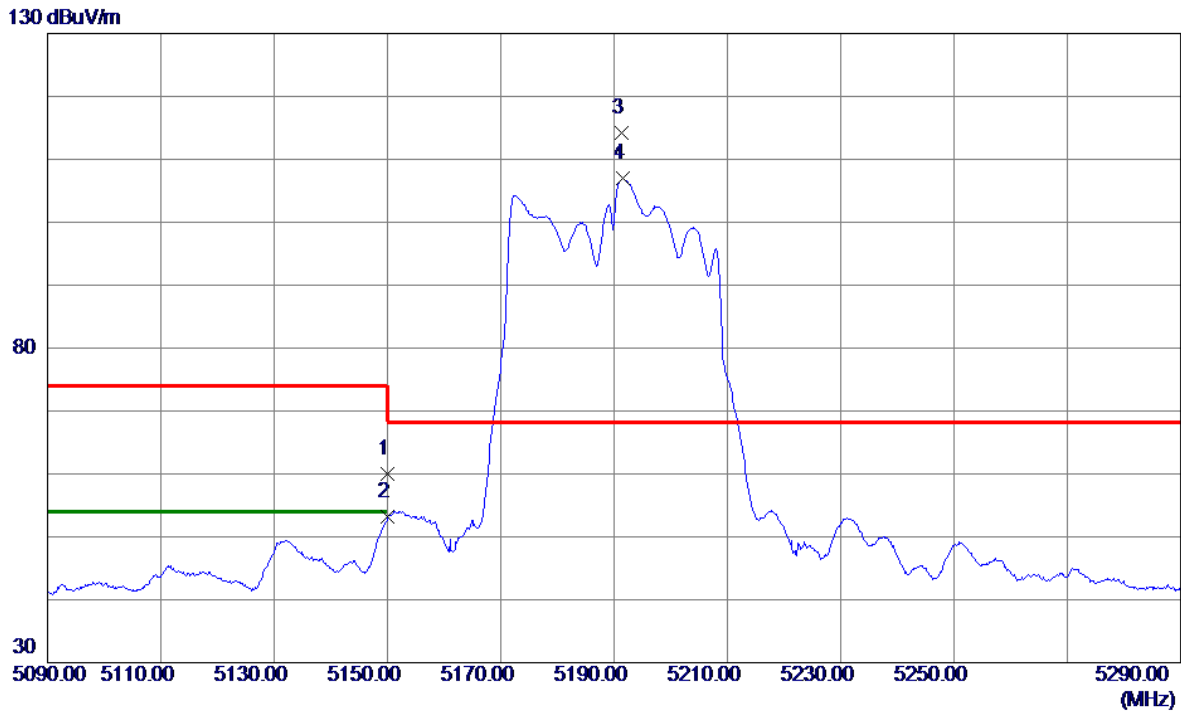


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10479.0000	39.87	7.51	47.38	68.20	-20.82	Peak	

**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	Vertical
-----------	-----------------------------------	--------------	----------

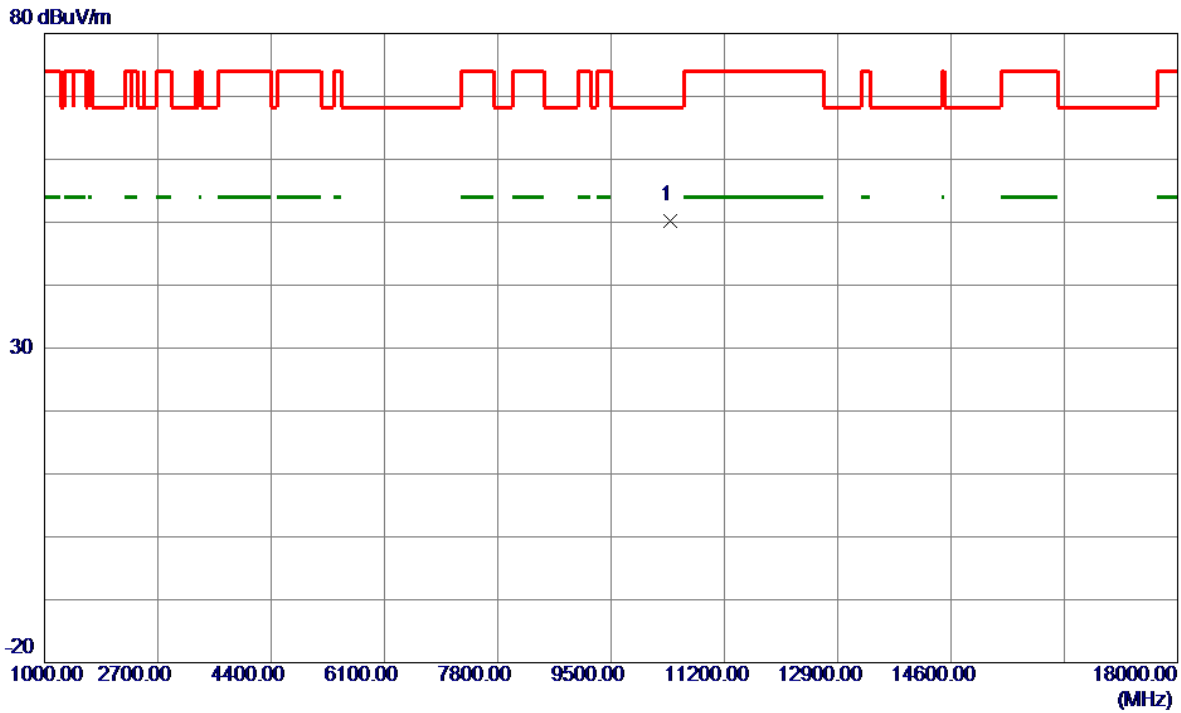


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	48.49	11.45	59.94	74.00	-14.06	Peak	
2	5150.0000	41.77	11.45	53.22	54.00	-0.78	AVG	
3 *	5191.3000	102.66	11.60	114.26	68.20	46.06	Peak	No Limit
4	5191.6000	95.32	11.60	106.92	999.00	-892.08	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
-----------	-----------------------------------	--------------	------------

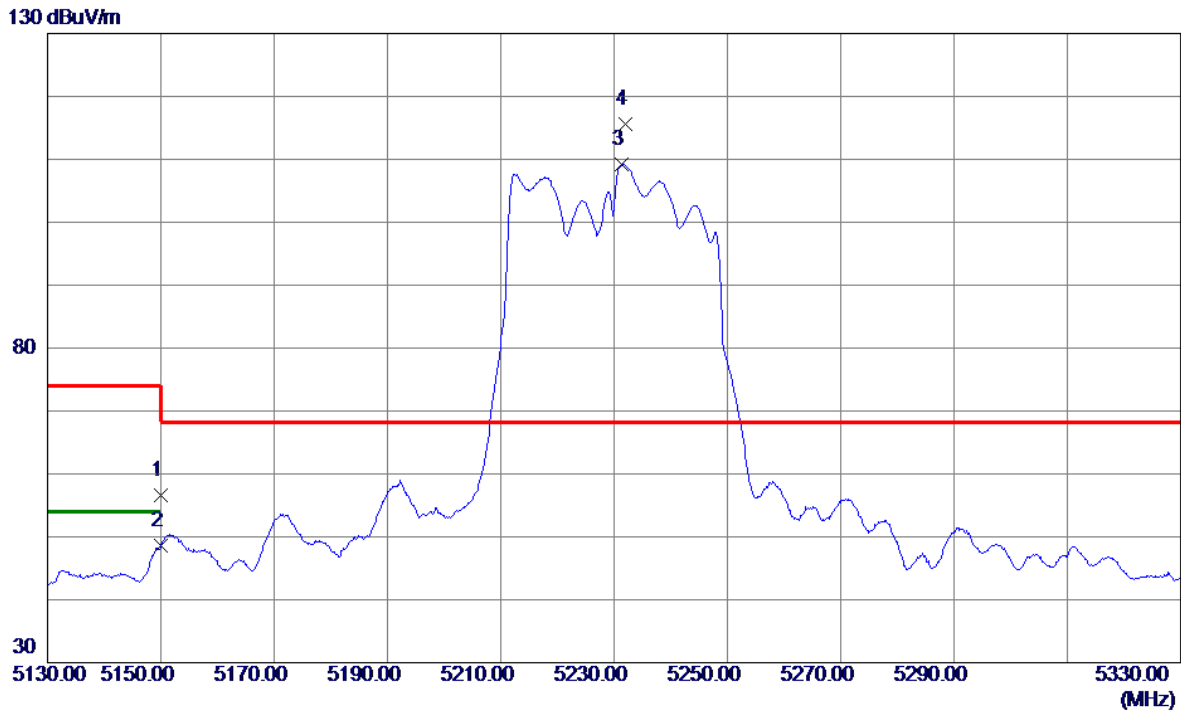


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10380.4000	42.93	7.37	50.30	68.20	-17.90	Peak	

**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	Vertical
-----------	-----------------------------------	--------------	----------

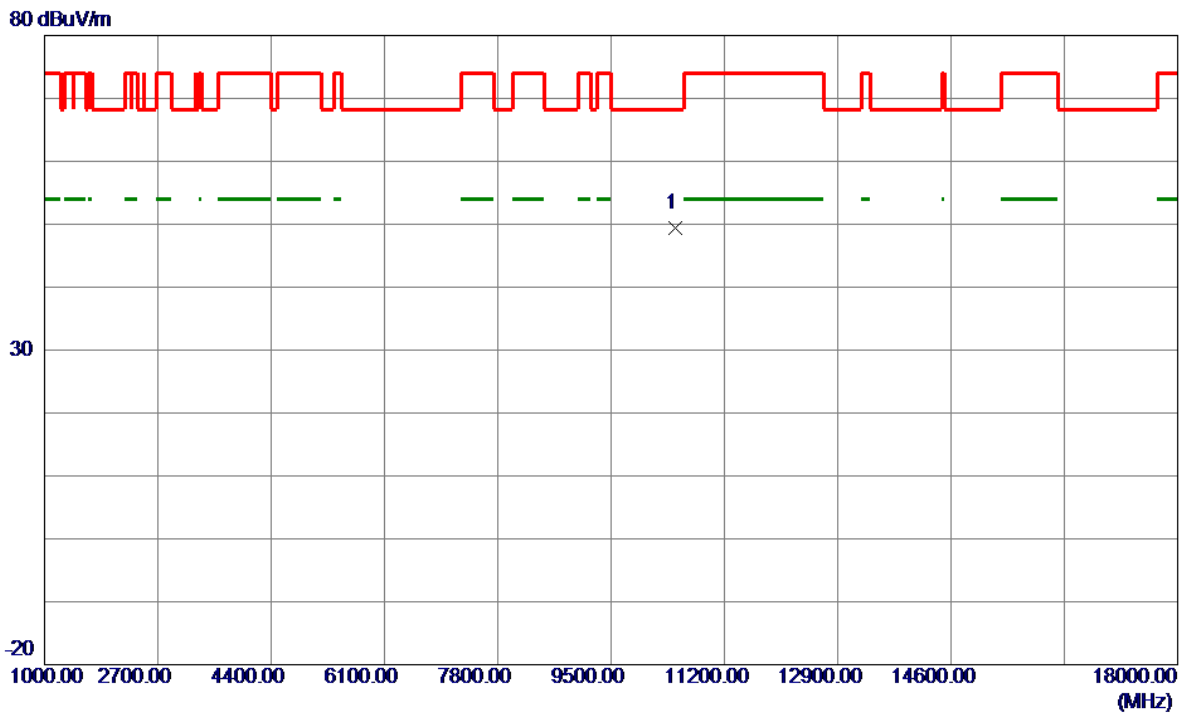


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	45.19	11.45	56.64	74.00	-17.36	Peak	
2	5150.0000	37.09	11.45	48.54	54.00	-5.46	AVG	
3	5231.4000	97.53	11.73	109.26	999.00	-889.74	AVG	No Limit
4 *	5232.0000	103.94	11.74	115.68	68.20	47.48	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 5230 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

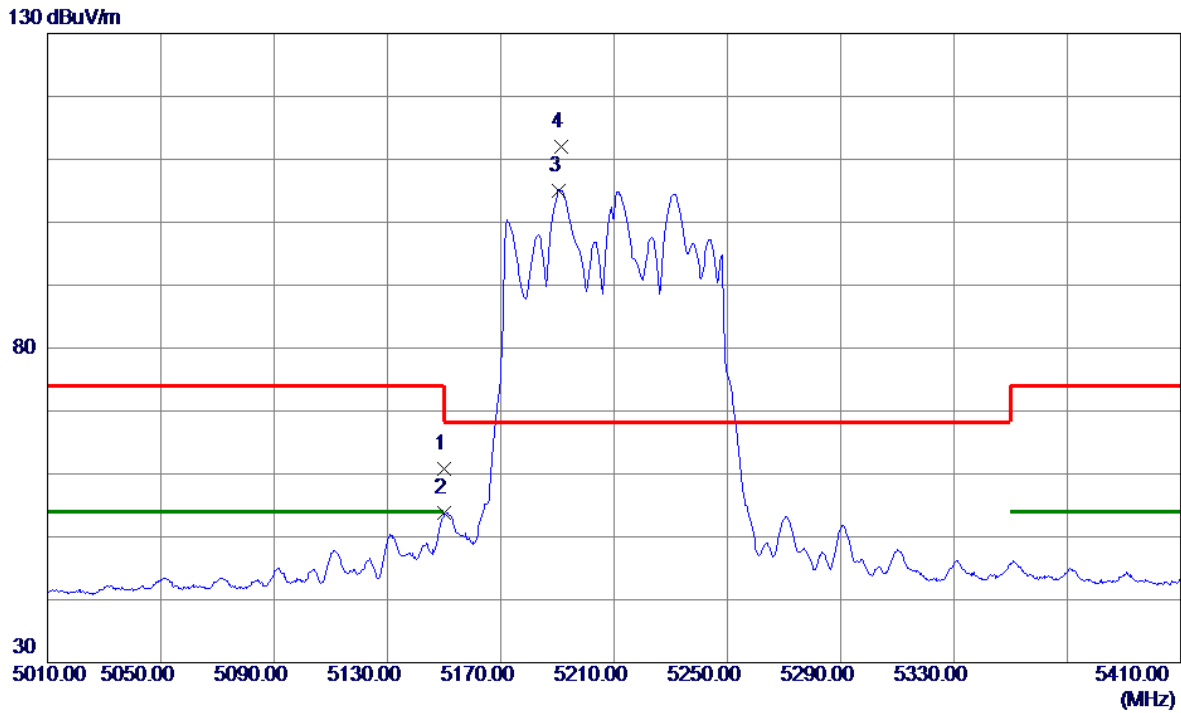


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10454.9000	41.88	7.48	49.36	68.20	-18.84	Peak	

**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	Vertical
-----------	-----------------------------------	--------------	----------

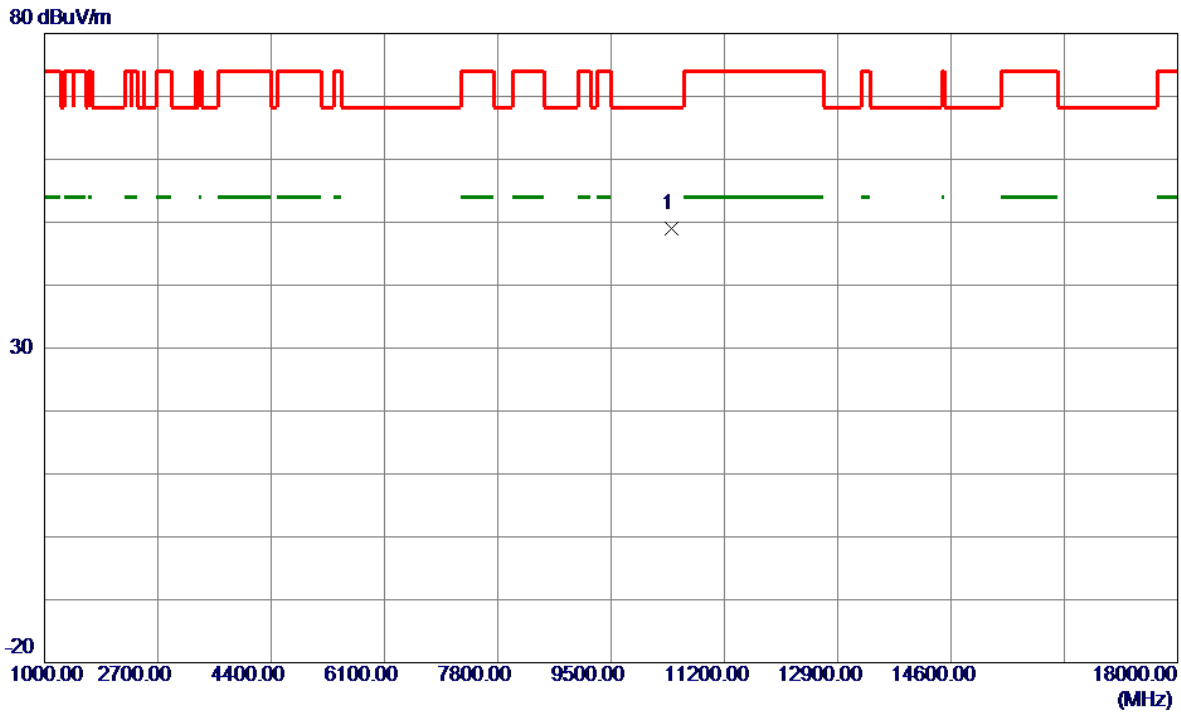


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	49.41	11.45	60.86	74.00	-13.14	Peak	
2	5150.0000	42.42	11.45	53.87	54.00	-0.13	AVG	
3	5190.6000	93.51	11.59	105.10	999.00	-893.90	AVG	No Limit
4 *	5191.2000	100.41	11.60	112.01	68.20	43.81	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
-----------	-----------------------------------	--------------	------------



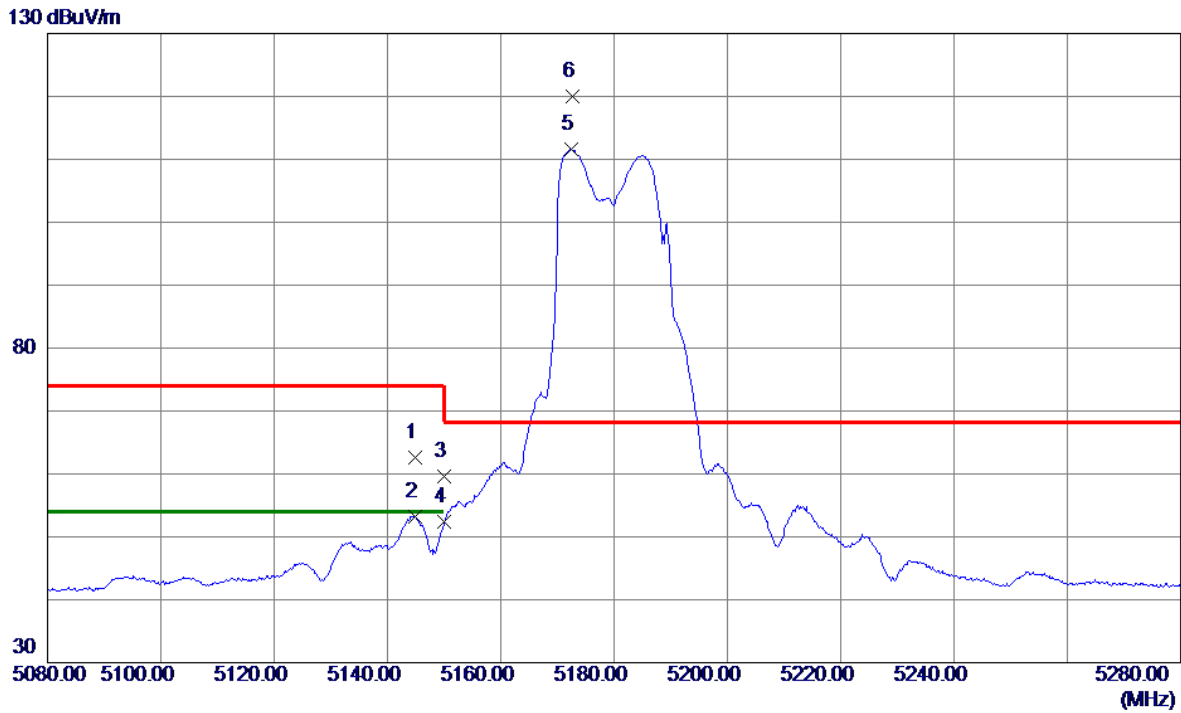
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10398.6000	41.51	7.40	48.91	68.20	-19.29	Peak	

**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	Vertical
-----------	----------------------------------	--------------	----------

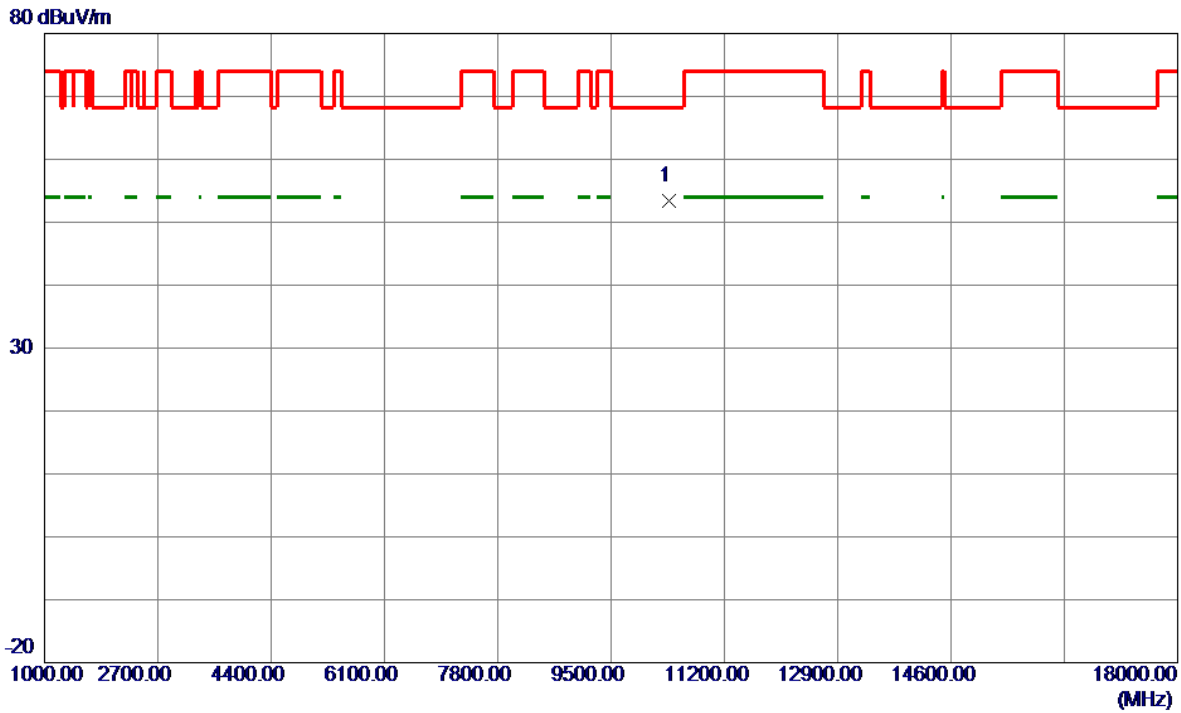


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5144.8000	51.15	11.44	62.59	74.00	-11.41	Peak	
2	5144.8000	41.84	11.44	53.28	54.00	-0.72	AVG	
3	5150.0000	48.21	11.45	59.66	74.00	-14.34	Peak	
4	5150.0000	40.91	11.45	52.36	54.00	-1.64	AVG	
5	5172.4000	100.00	11.53	111.53	999.00	-887.47	AVG	No Limit
6 *	5172.6000	108.41	11.53	119.94	68.20	51.74	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 5180 MHz	Polarization	Horizontal
-----------	----------------------------------	--------------	------------

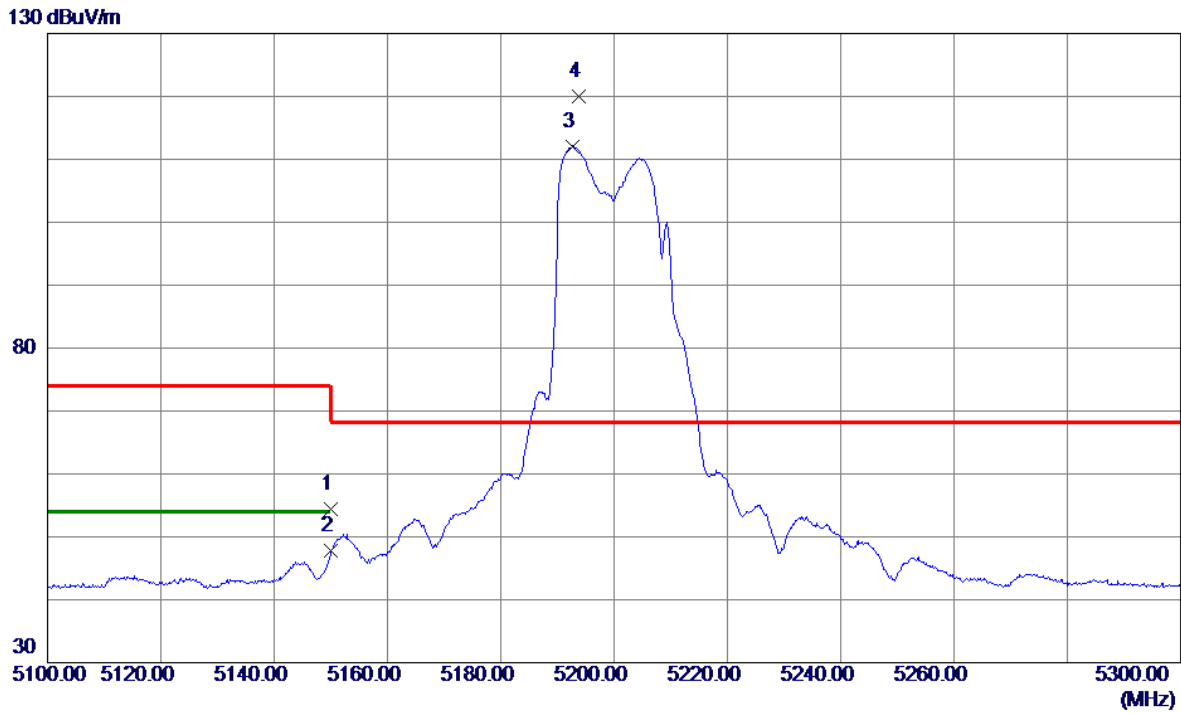


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10359.6000	46.14	7.35	53.49	68.20	-14.71	Peak	

**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	Vertical
-----------	----------------------------------	--------------	----------

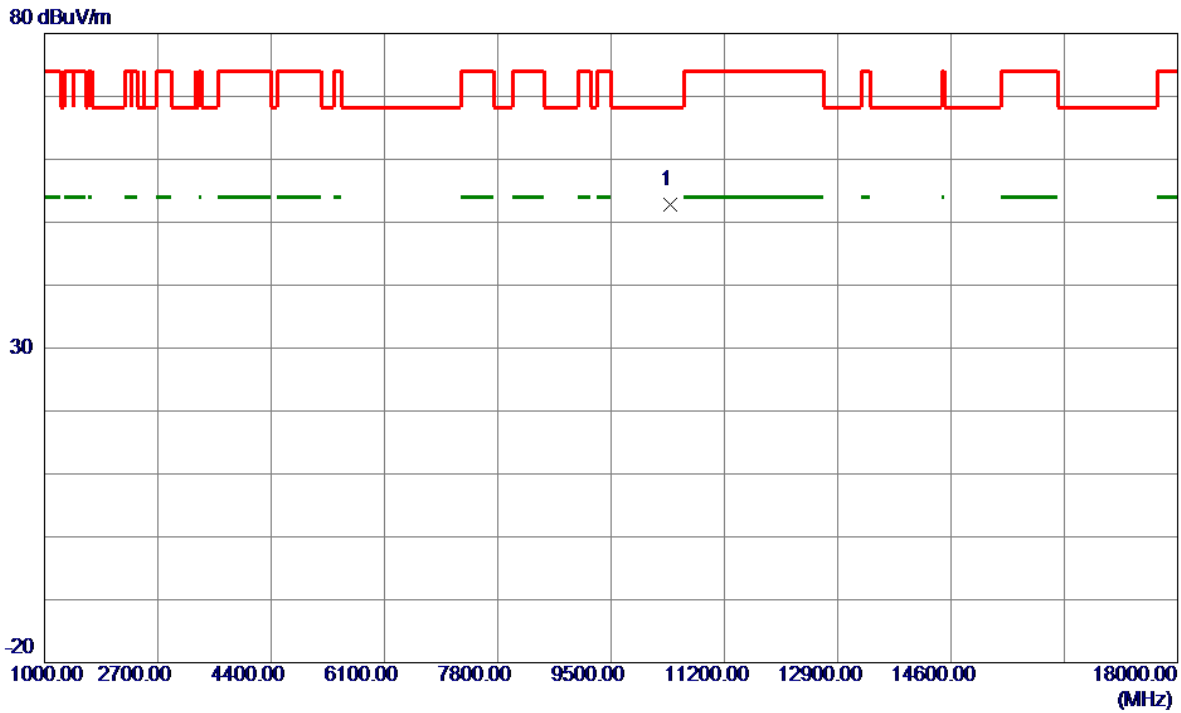


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	43.04	11.45	54.49	74.00	-19.51	Peak	
2	5150.0000	36.27	11.45	47.72	54.00	-6.28	AVG	
3	5192.7000	100.50	11.60	112.10	999.00	-886.90	AVG	No Limit
4 *	5193.7000	108.48	11.60	120.08	68.20	51.88	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
-----------	----------------------------------	--------------	------------

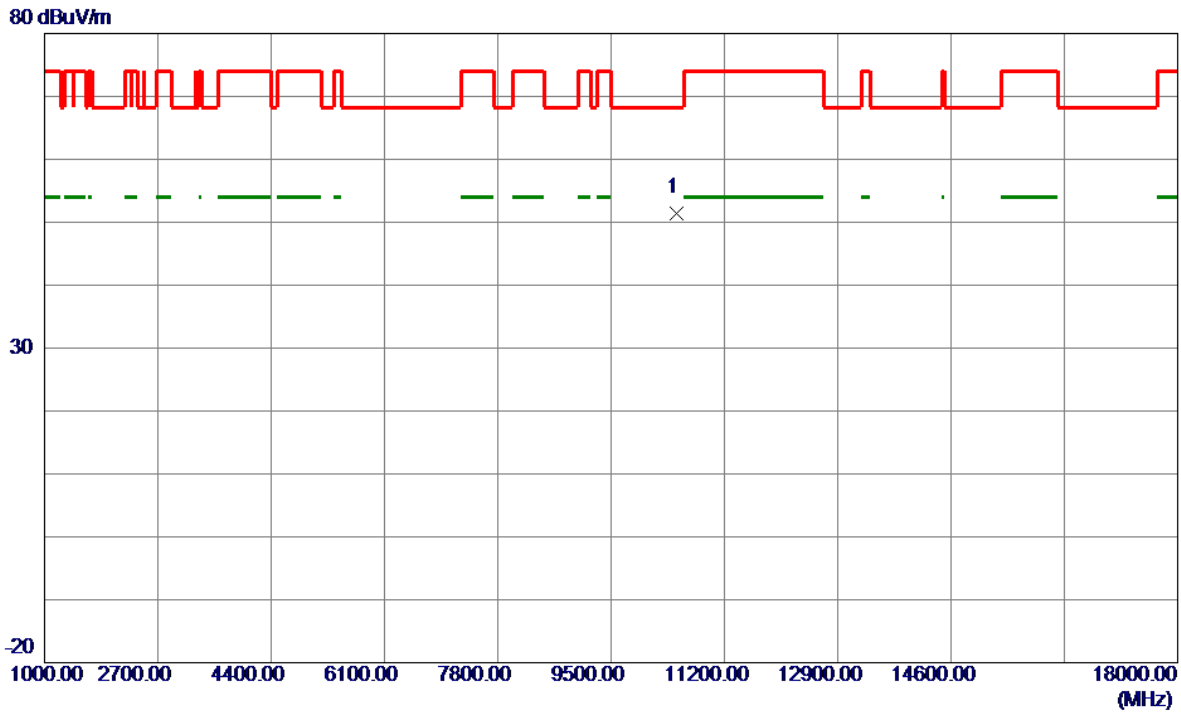


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10396.8500	45.43	7.40	52.83	68.20	-15.37	Peak	

**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
-----------	----------------------------------	--------------	------------

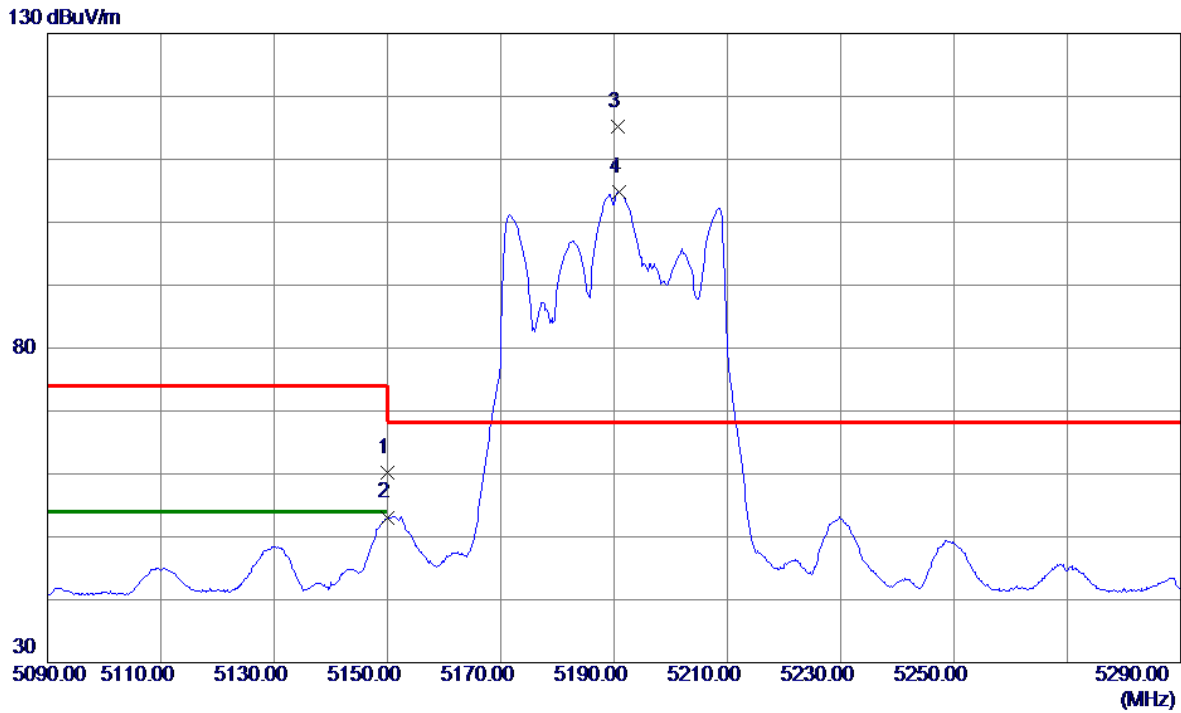


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10481.0500	43.99	7.51	51.50	68.20	-16.70	Peak	

**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	Vertical
-----------	----------------------------------	--------------	----------

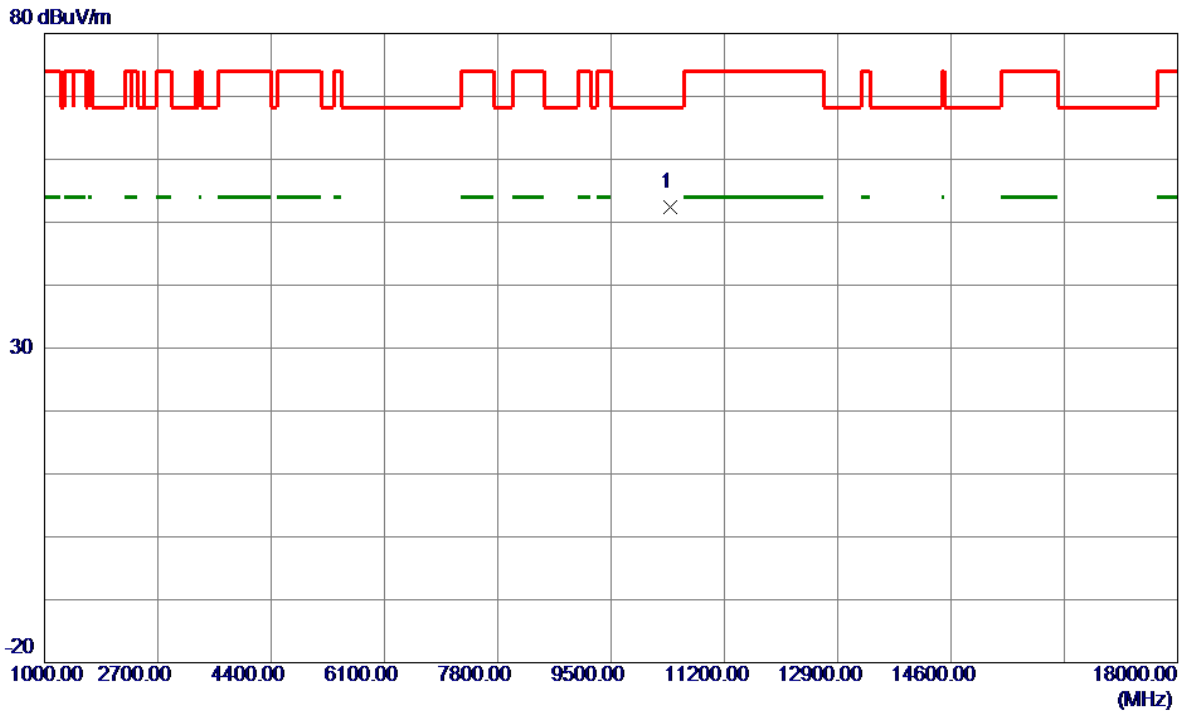


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	48.80	11.45	60.25	74.00	-13.75	Peak	
2	5150.0000	41.65	11.45	53.10	54.00	-0.90	AVG	
3 *	5190.7000	103.61	11.59	115.20	68.20	47.00	Peak	No Limit
4	5190.8000	93.22	11.59	104.81	999.00	-894.19	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
-----------	----------------------------------	--------------	------------

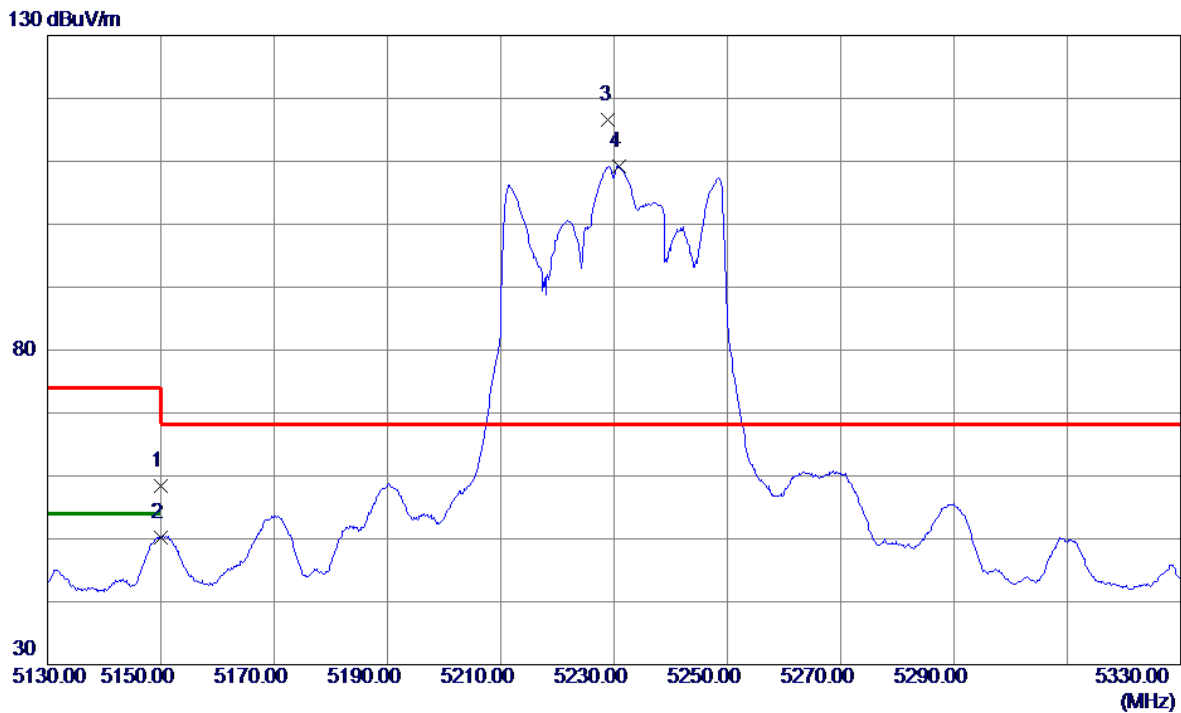


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10379.4000	44.95	7.37	52.32	68.20	-15.88	Peak	

**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	Vertical
-----------	----------------------------------	--------------	----------



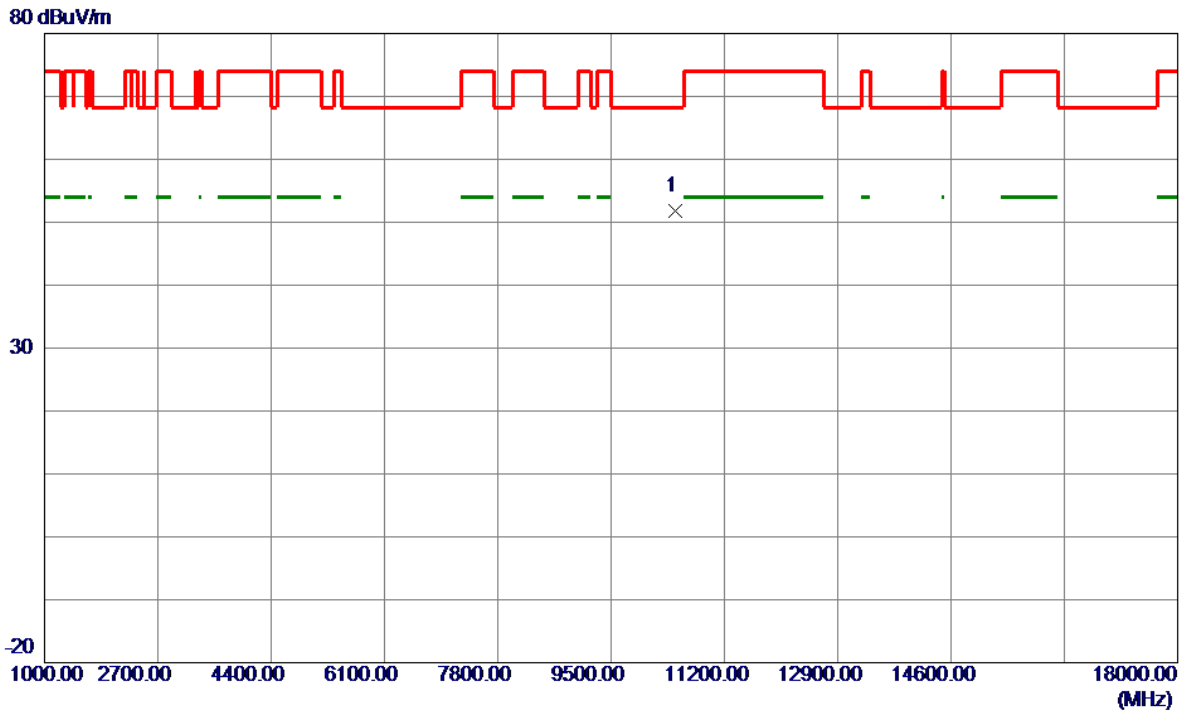
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	47.01	11.45	58.46	74.00	-15.54	Peak	
2	5150.0000	38.74	11.45	50.19	54.00	-3.81	AVG	
3 *	5229.0000	104.78	11.73	116.51	68.20	48.31	Peak	No Limit
4	5230.8000	97.49	11.73	109.22	999.00	-889.78	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
-----------	----------------------------------	--------------	------------

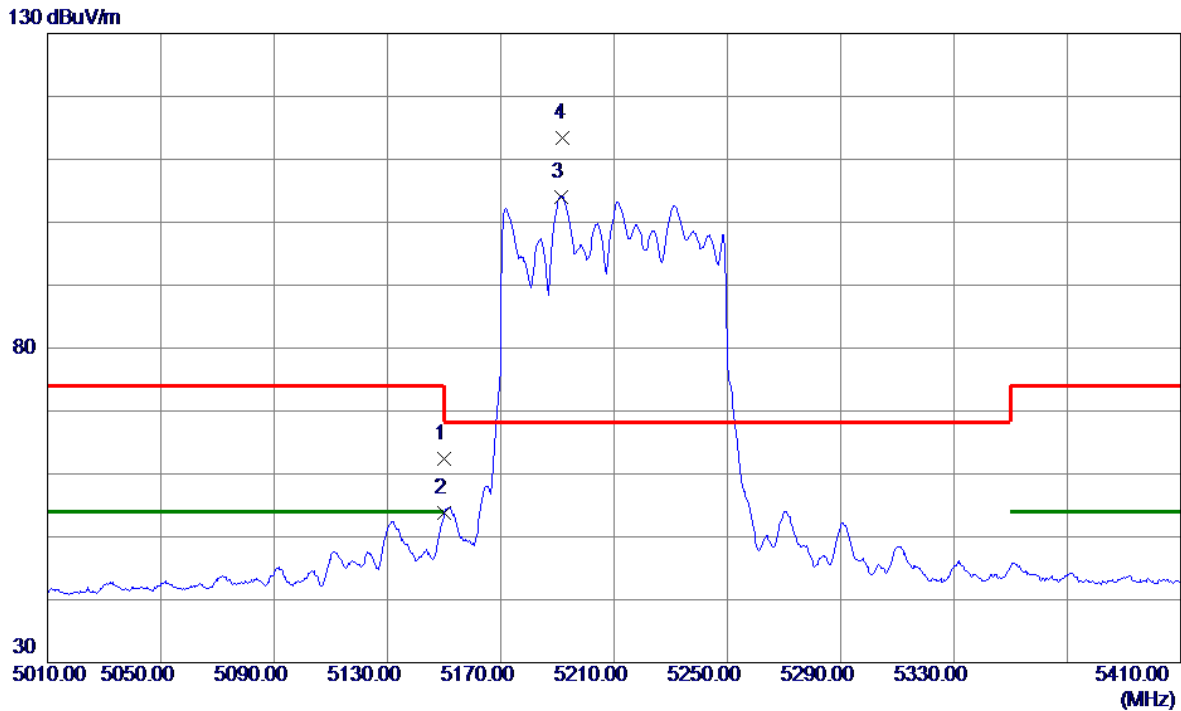


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10457.9000	44.27	7.48	51.75	68.20	-16.45	Peak	

**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	Vertical
-----------	----------------------------------	--------------	----------

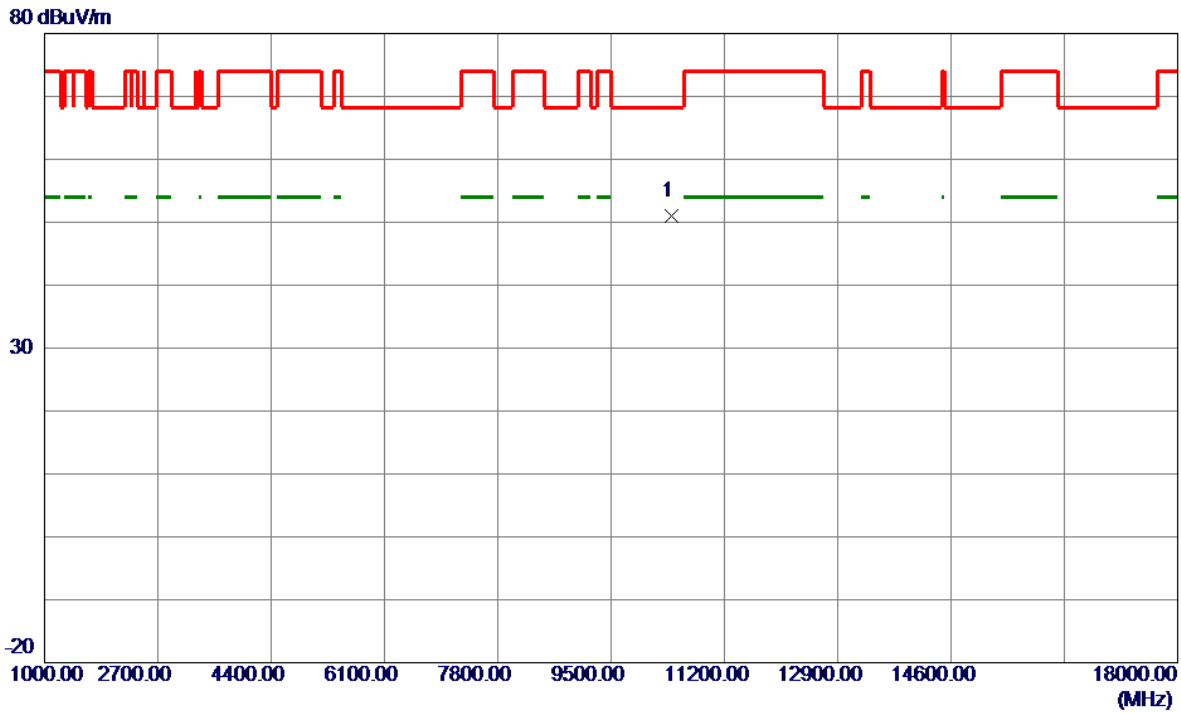


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	50.91	11.45	62.36	74.00	-11.64	Peak	
2	5150.0000	42.38	11.45	53.83	54.00	-0.17	AVG	
3	5191.4000	92.50	11.60	104.10	999.00	-894.90	AVG	No Limit
4 *	5192.0000	101.86	11.60	113.46	68.20	45.26	Peak	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
-----------	----------------------------------	--------------	------------

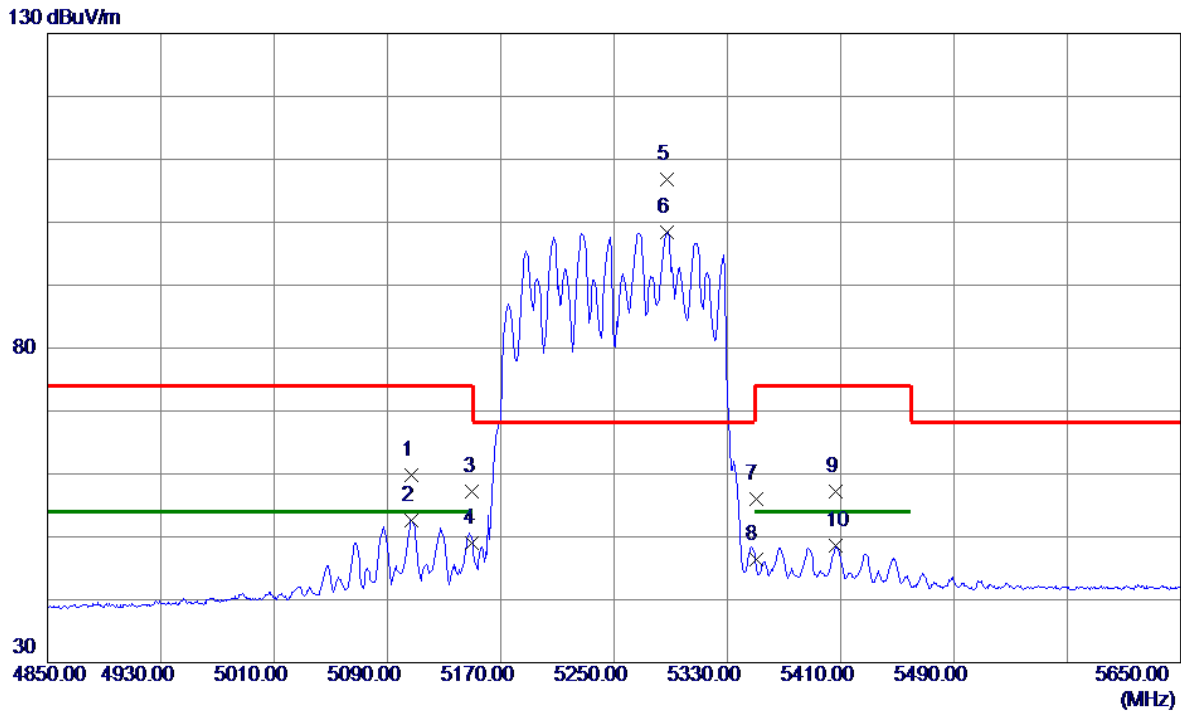


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10398.9000	43.53	7.40	50.93	68.20	-17.27	Peak	

REMARKS:

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

Test Mode	UNII-1+UNII-2A_TX AC(VHT160) Mode 5250 MHz	Polarization	Vertical
-----------	--	--------------	----------

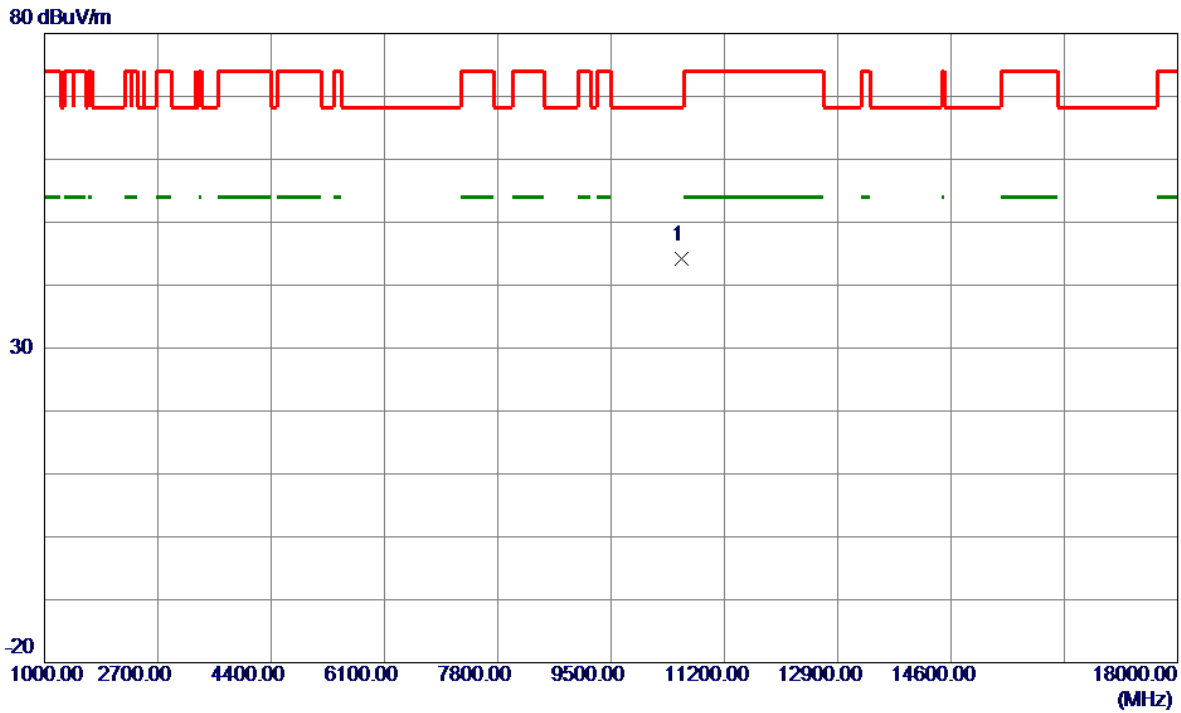


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5106.8000	48.44	11.31	59.75	74.00	-14.25	Peak	
2	5106.8000	41.33	11.31	52.64	54.00	-1.36	AVG	
3	5150.0000	45.76	11.45	57.21	74.00	-16.79	Peak	
4	5150.0000	37.53	11.45	48.98	54.00	-5.02	AVG	
5 *	5287.2000	94.92	11.93	106.85	68.20	38.65	Peak	No Limit
6	5287.6000	86.48	11.93	98.41	999.00	-900.59	AVG	No Limit
7	5350.0000	43.93	12.14	56.07	74.00	-17.93	Peak	
8	5350.0000	34.27	12.14	46.41	54.00	-7.59	AVG	
9	5406.4000	44.83	12.33	57.16	74.00	-16.84	Peak	
10	5406.4000	36.28	12.33	48.61	54.00	-5.39	AVG	

REMARKS:

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

Test Mode	UNII-1+UNII-2A_TX AC(VHT160) Mode 5250 MHz	Polarization	Horizontal
-----------	--	--------------	------------

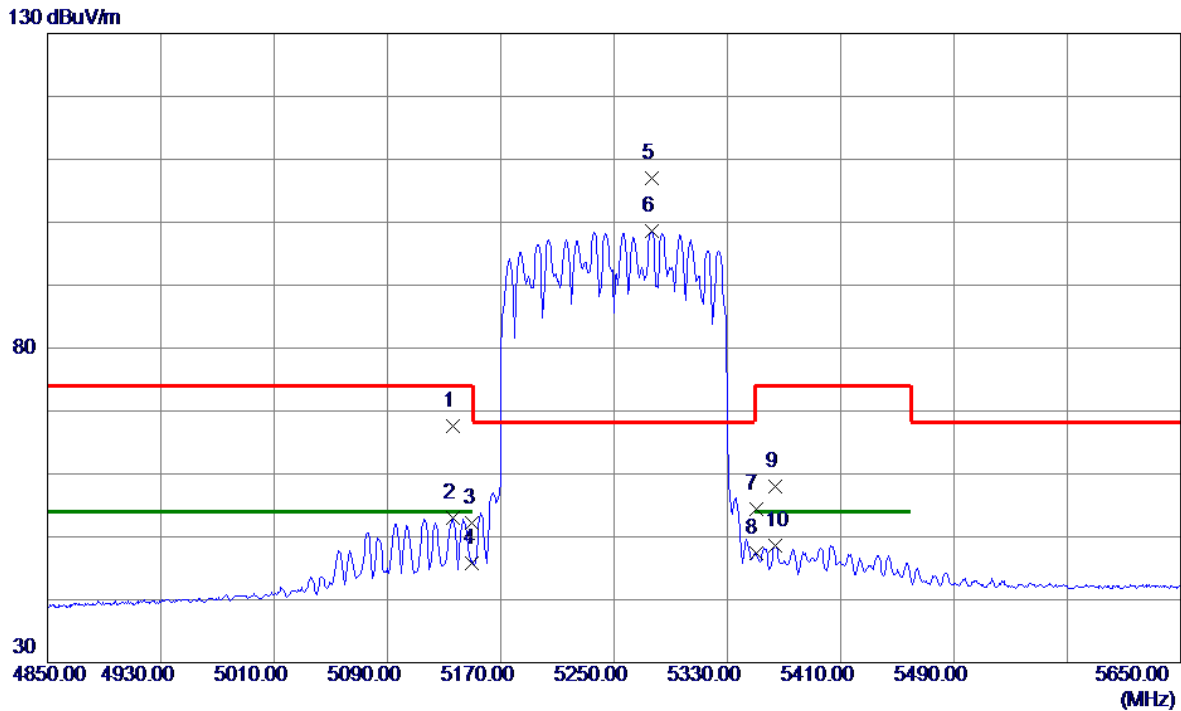


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10560.2000	36.44	7.66	44.10	68.20	-24.10	Peak	

**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	Vertical
-----------	---	--------------	----------

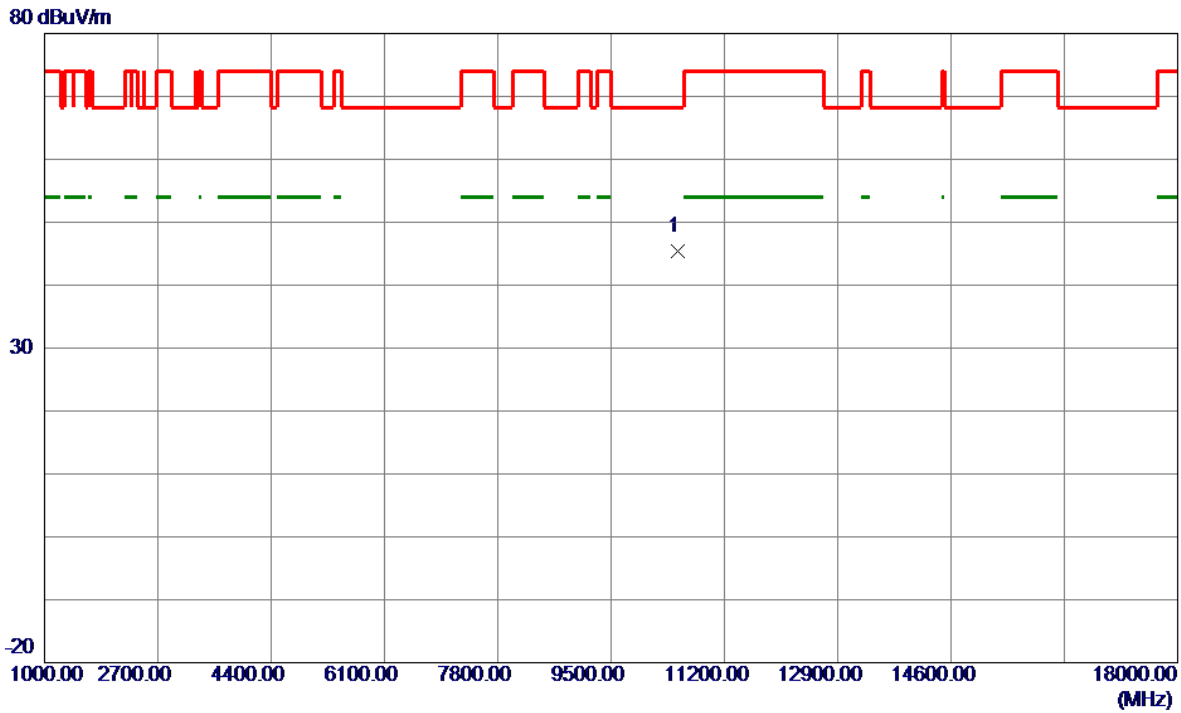


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5136.0000	56.28	11.41	67.69	74.00	-6.31	Peak	
2	5136.0000	41.52	11.41	52.93	54.00	-1.07	AVG	
3	5150.0000	40.83	11.45	52.28	74.00	-21.72	Peak	
4	5150.0000	34.44	11.45	45.89	54.00	-8.11	AVG	
5 *	5276.4000	95.18	11.89	107.07	68.20	38.87	Peak	No Limit
6	5276.4000	86.66	11.89	98.55	999.00	-900.45	AVG	No Limit
7	5350.0000	42.35	12.14	54.49	74.00	-19.51	Peak	
8	5350.0000	35.18	12.14	47.32	54.00	-6.68	AVG	
9	5364.0000	45.90	12.19	58.09	74.00	-15.91	Peak	
10	5364.0000	36.41	12.19	48.60	54.00	-5.40	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
-----------	---	--------------	------------

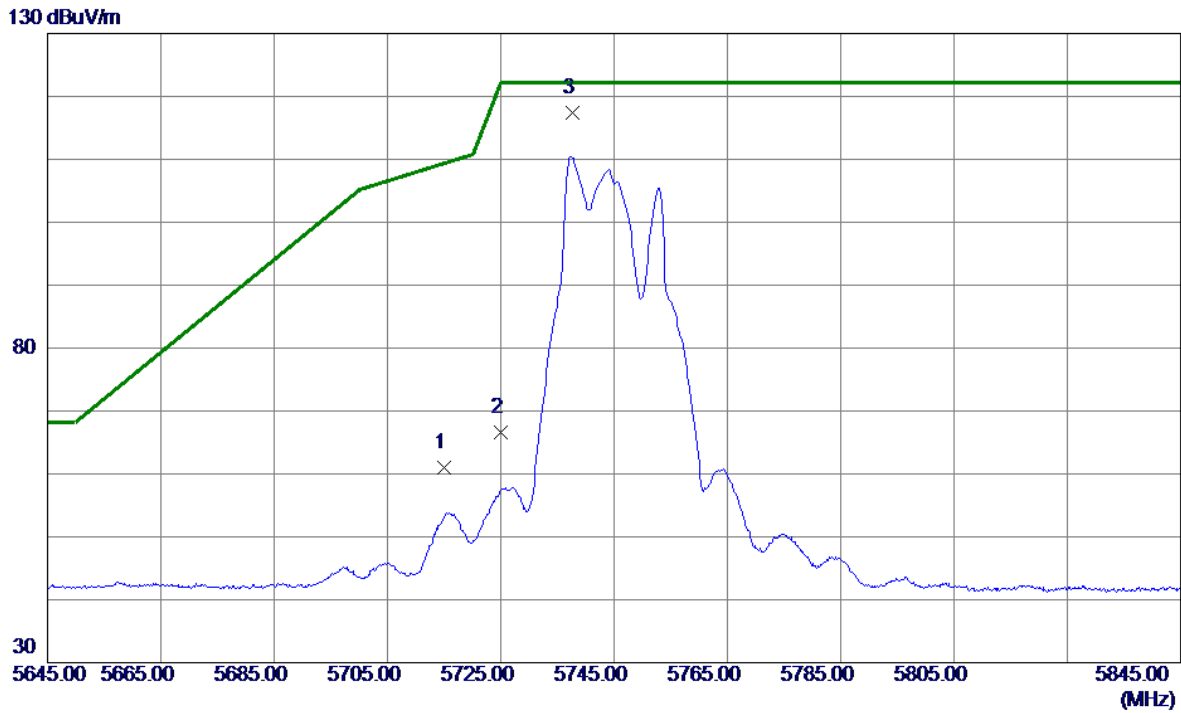


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10506.1800	37.82	7.55	45.37	68.20	-22.83	Peak	

**REMARKS:**

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

Test Mode	UNII-3_TX A Mode 5745 MHz	Polarization	Vertical
-----------	---------------------------	--------------	----------



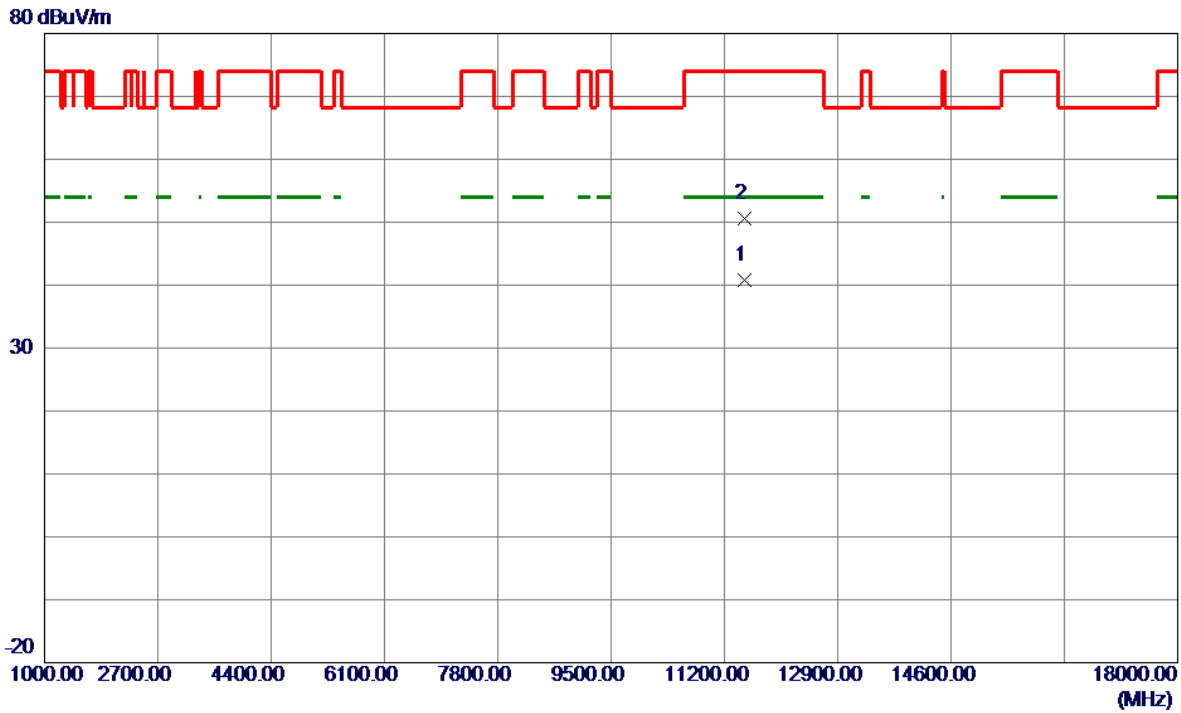
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	48.00	13.01	61.01	109.40	-48.39	Peak	
2	5725.0000	53.51	13.03	66.54	122.20	-55.66	Peak	
3 *	5737.7000	104.41	13.05	117.46	122.20	-4.74	Peak	No Limit

**REMARKS:**

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



Test Mode	UNII-3_TX A Mode 5745 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------

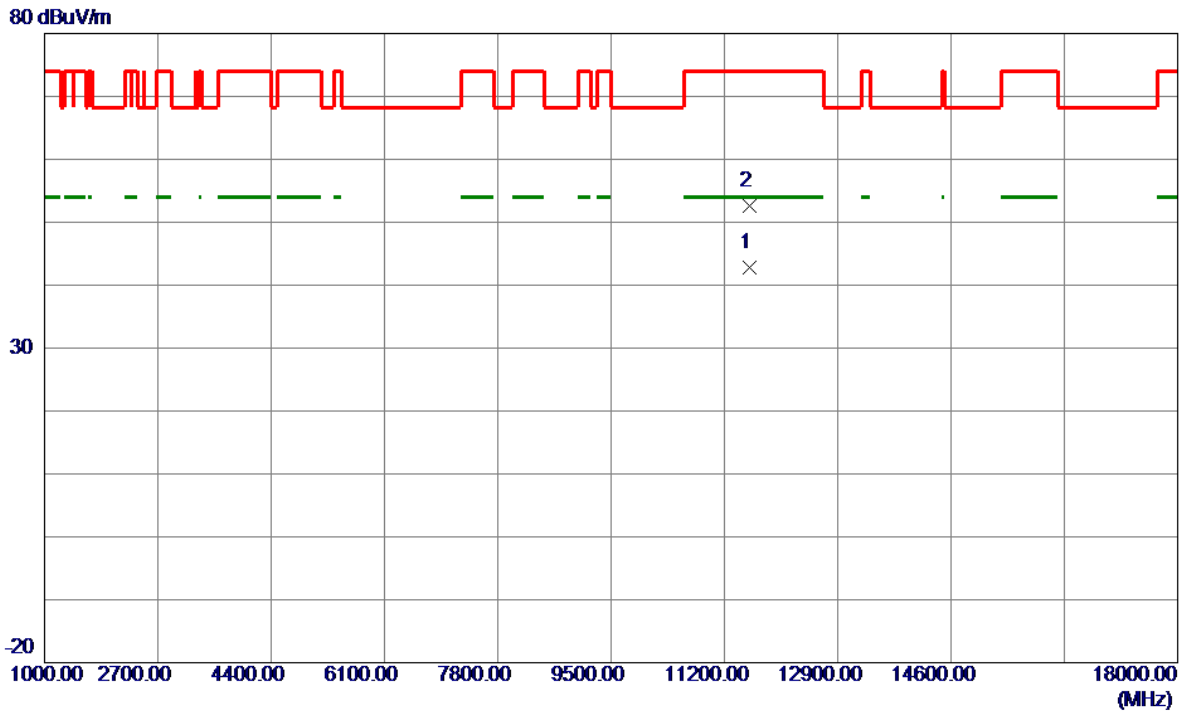


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11493.0500	32.26	8.51	40.77	54.00	-13.23	AVG	
2	11494.8500	42.12	8.51	50.63	74.00	-23.37	Peak	

**REMARKS:**

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

Test Mode	UNII-3_TX A Mode 5785 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------

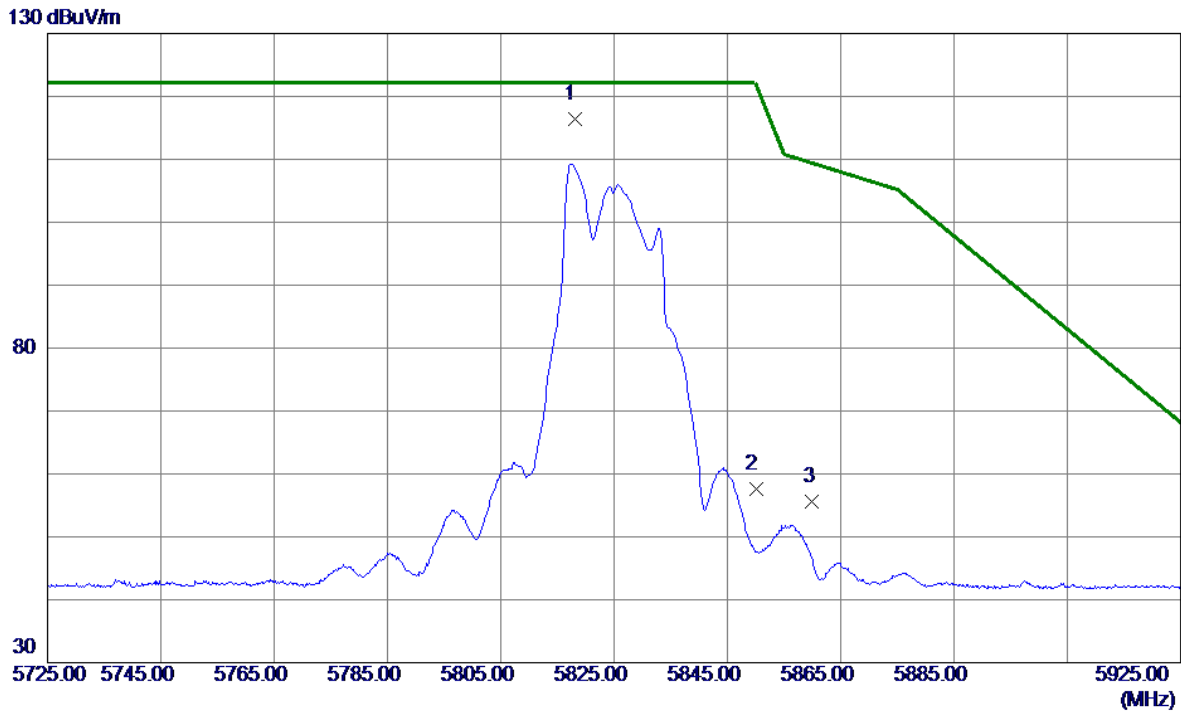


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11572.1500	34.36	8.48	42.84	54.00	-11.16	AVG	
2	11572.5500	44.10	8.48	52.58	74.00	-21.42	Peak	

**REMARKS:**

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

Test Mode	UNII-3_TX A Mode 5825 MHz	Polarization	Vertical
-----------	---------------------------	--------------	----------

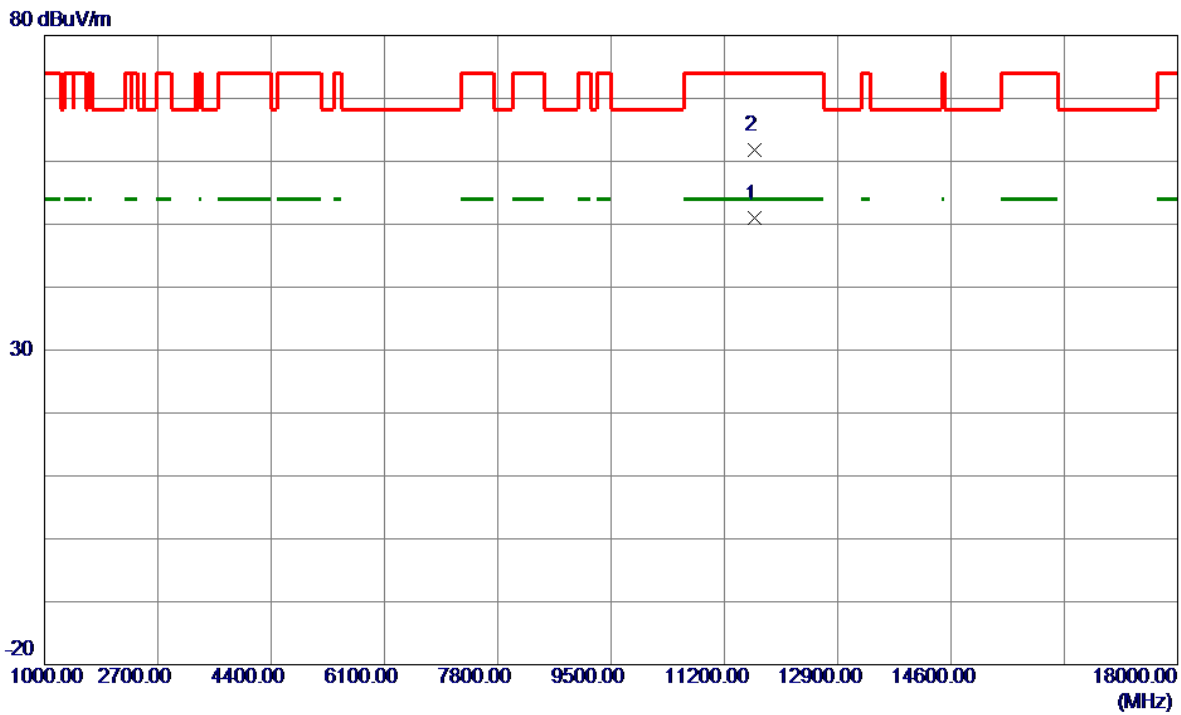


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5818.0000	103.18	13.19	116.37	122.20	-5.83	Peak	No Limit
2	5850.0000	44.28	13.24	57.52	122.20	-64.68	Peak	
3	5860.0000	42.36	13.26	55.62	109.40	-53.78	Peak	

REMARKS:

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

Test Mode	UNII-3_TX A Mode 5825 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------

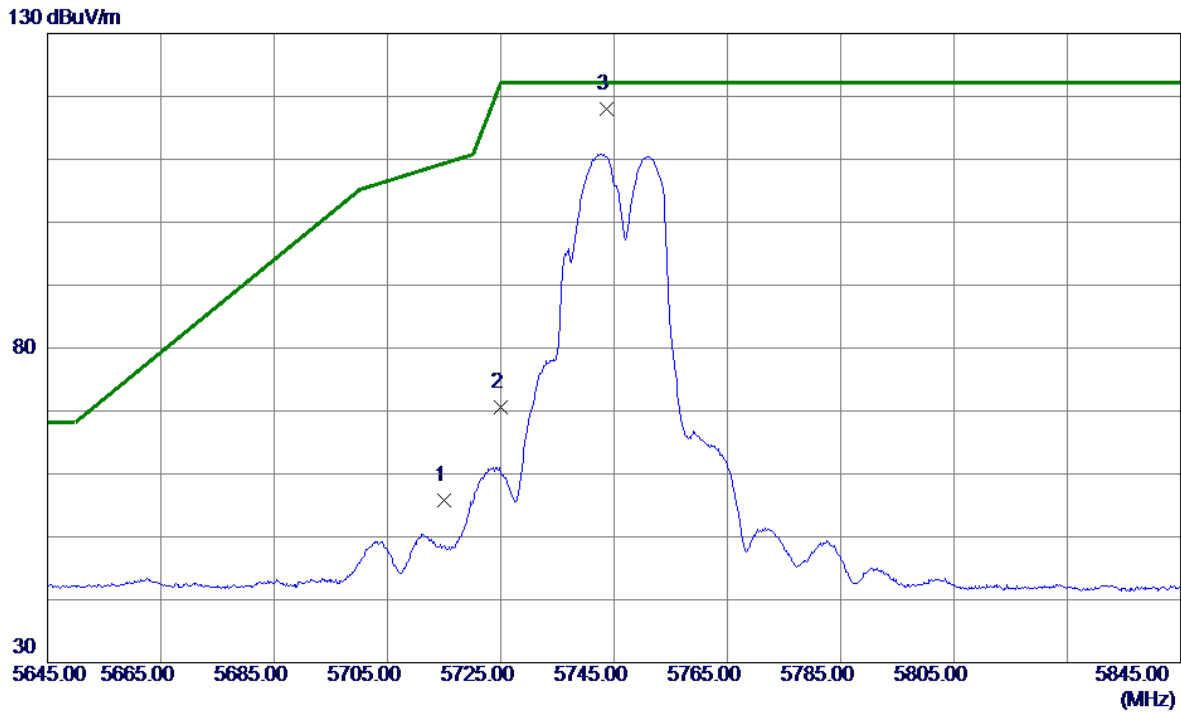


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11650.0500	42.45	8.45	50.90	54.00	-3.10	AVG	
2	11651.4500	53.34	8.45	61.79	74.00	-12.21	Peak	

**REMARKS:**

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5745 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------

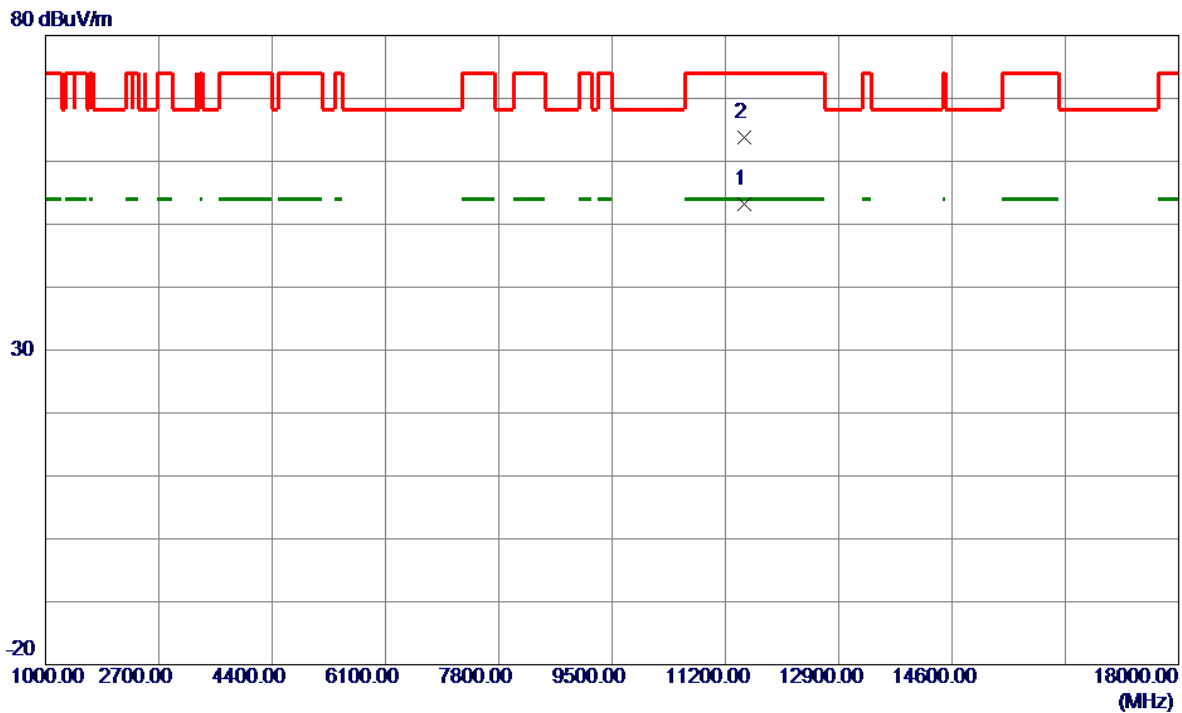


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	42.75	13.01	55.76	109.40	-53.64	Peak	
2	5725.0000	57.58	13.03	70.61	122.20	-51.59	Peak	
3 *	5743.6000	104.92	13.06	117.98	122.20	-4.22	Peak	No Limit

**REMARKS:**

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5745 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

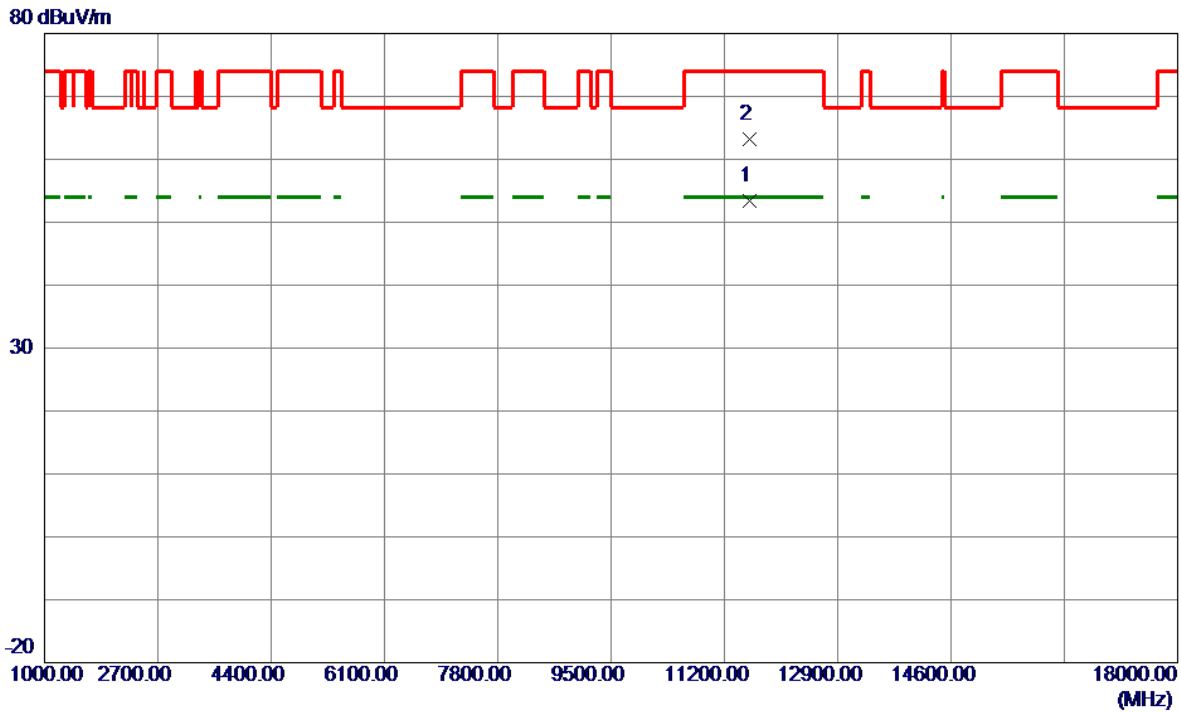


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11488.9500	44.74	8.51	53.25	54.00	-0.75	AVG	
2	11489.5500	55.23	8.51	63.74	74.00	-10.26	Peak	

**REMARKS:**

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5785 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

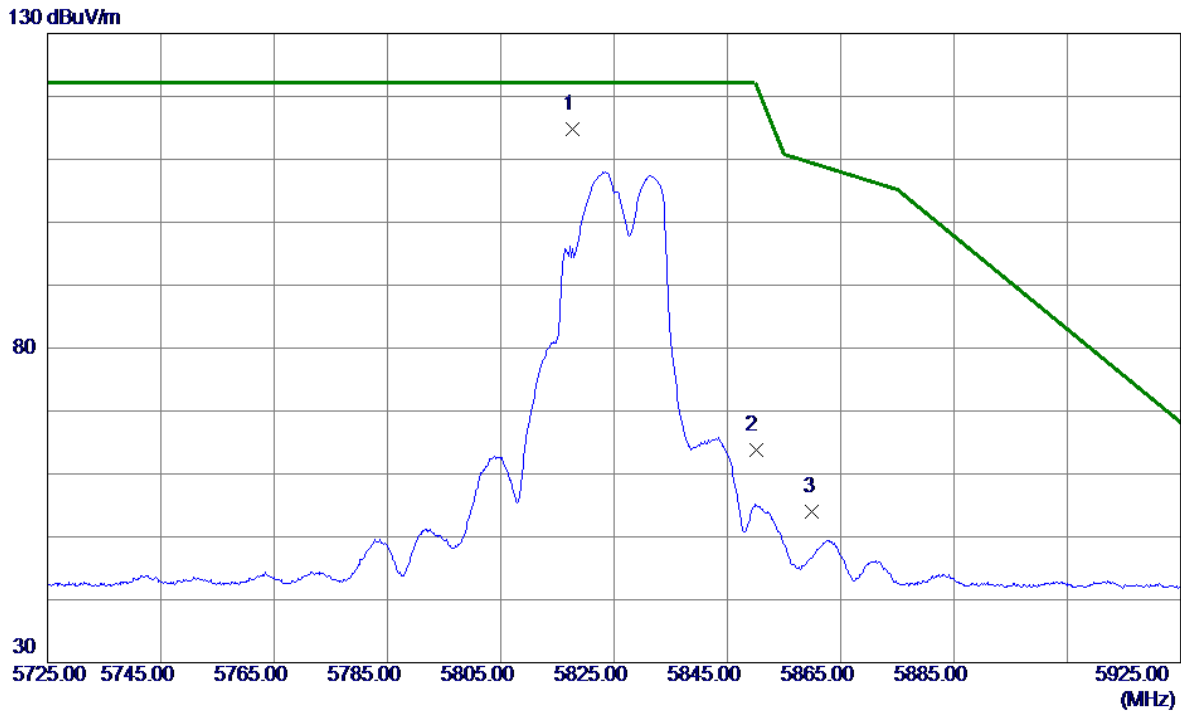


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11568.5000	44.90	8.48	53.38	54.00	-0.62	AVG	
2	11570.1500	54.73	8.48	63.21	74.00	-10.79	Peak	

**REMARKS:**

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5825 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------



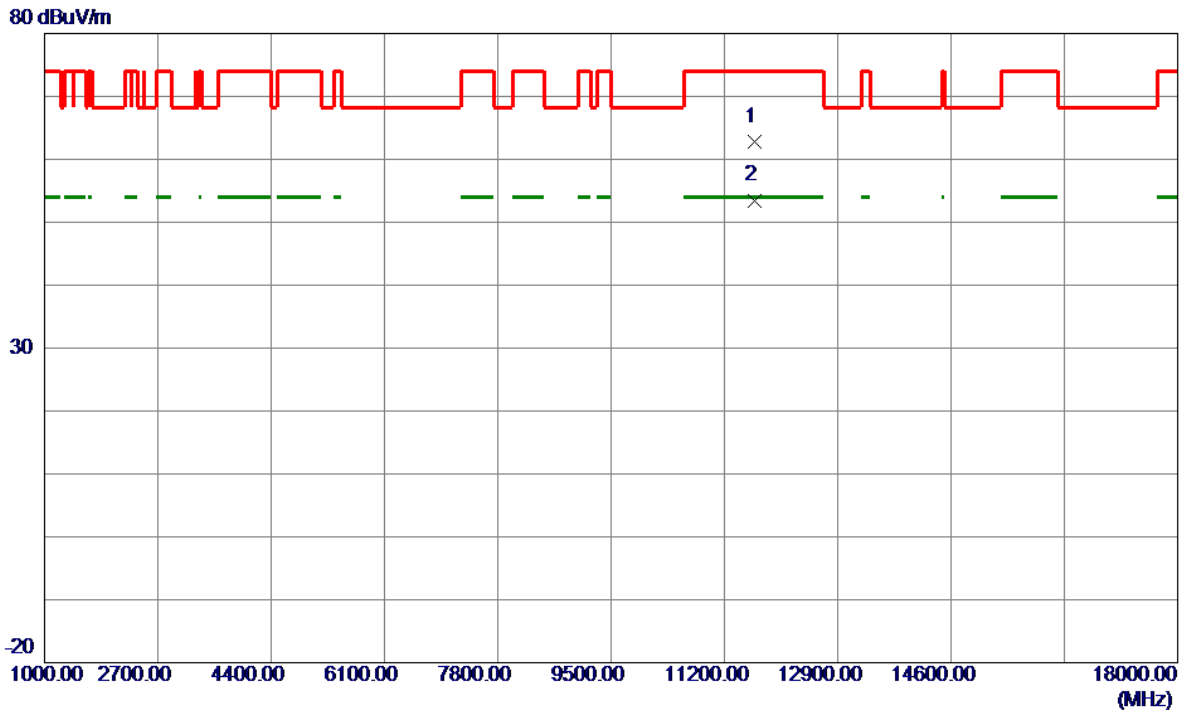
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5817.7000	101.66	13.19	114.85	122.20	-7.35	Peak	No Limit
2	5850.0000	50.50	13.24	63.74	122.20	-58.46	Peak	
3	5860.0000	40.80	13.26	54.06	109.40	-55.34	Peak	

**REMARKS:**

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



Test Mode	UNII-3_TX AC(VHT20) Mode 5825 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

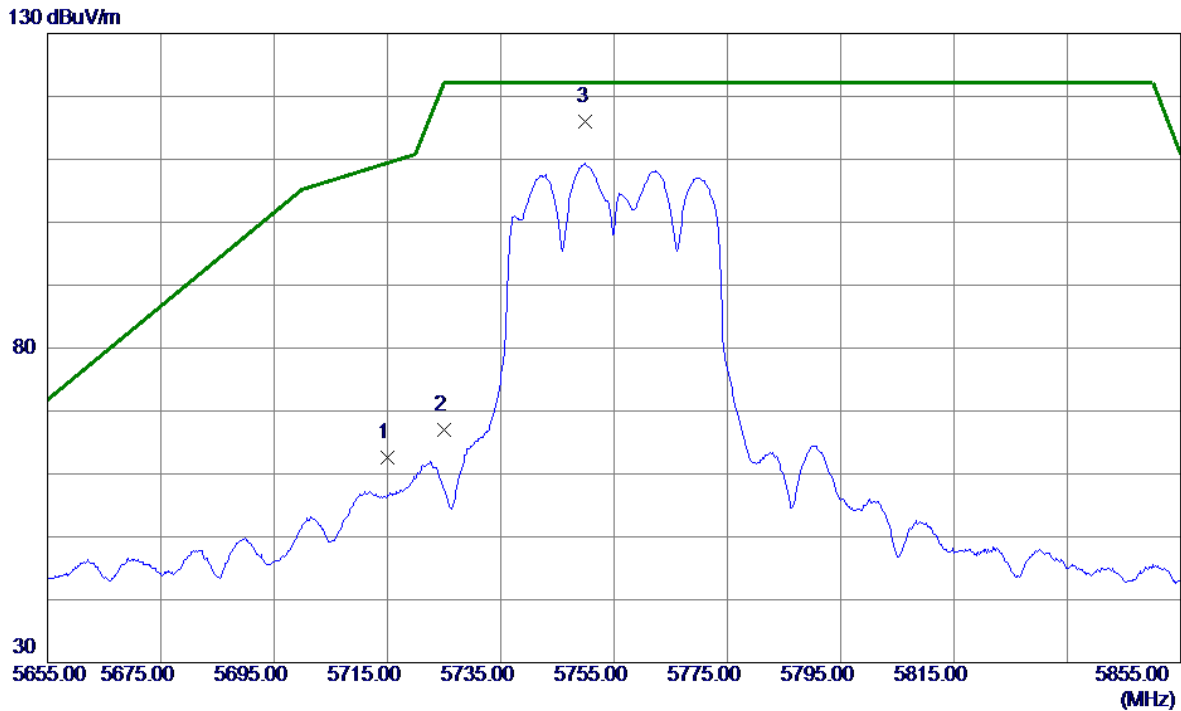


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11647.5500	54.38	8.45	62.83	74.00	-11.17	Peak	
2 *	11648.2500	45.05	8.45	53.50	54.00	-0.50	AVG	

**REMARKS:**

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5755 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------

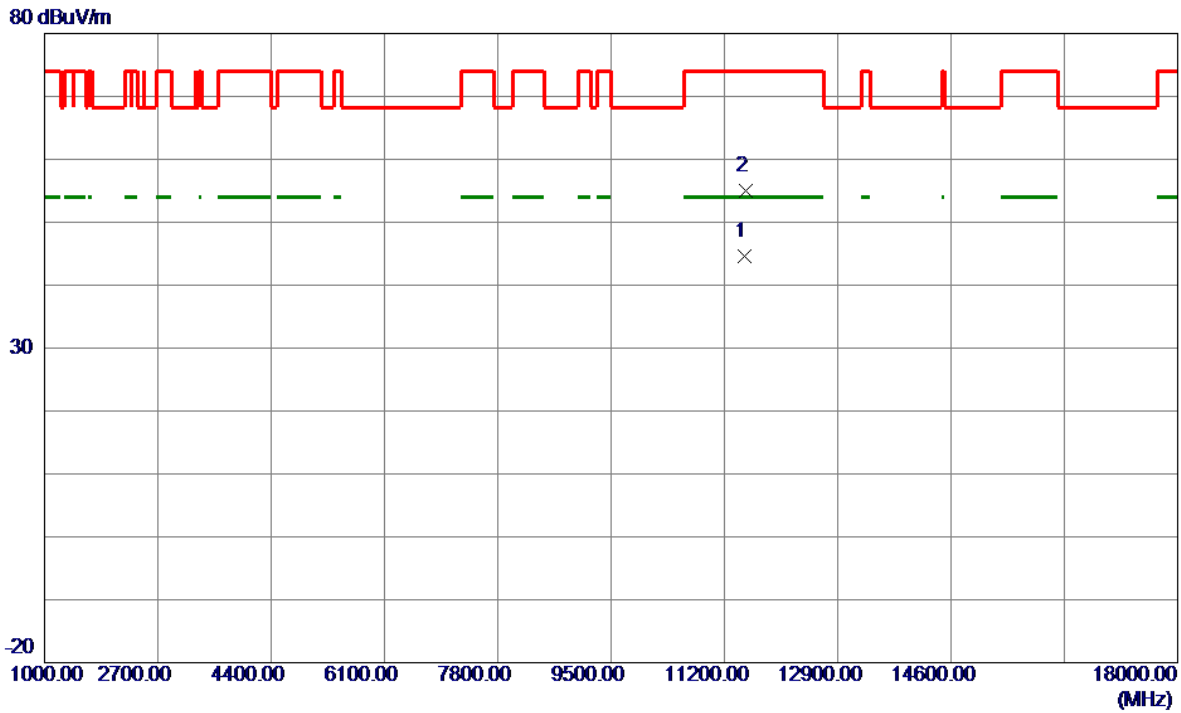


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	49.65	13.01	62.66	109.40	-46.74	Peak	
2	5725.0000	54.06	13.03	67.09	122.20	-55.11	Peak	
3 *	5750.0000	102.93	13.07	116.00	122.20	-6.20	Peak	No Limit

**REMARKS:**

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5755 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

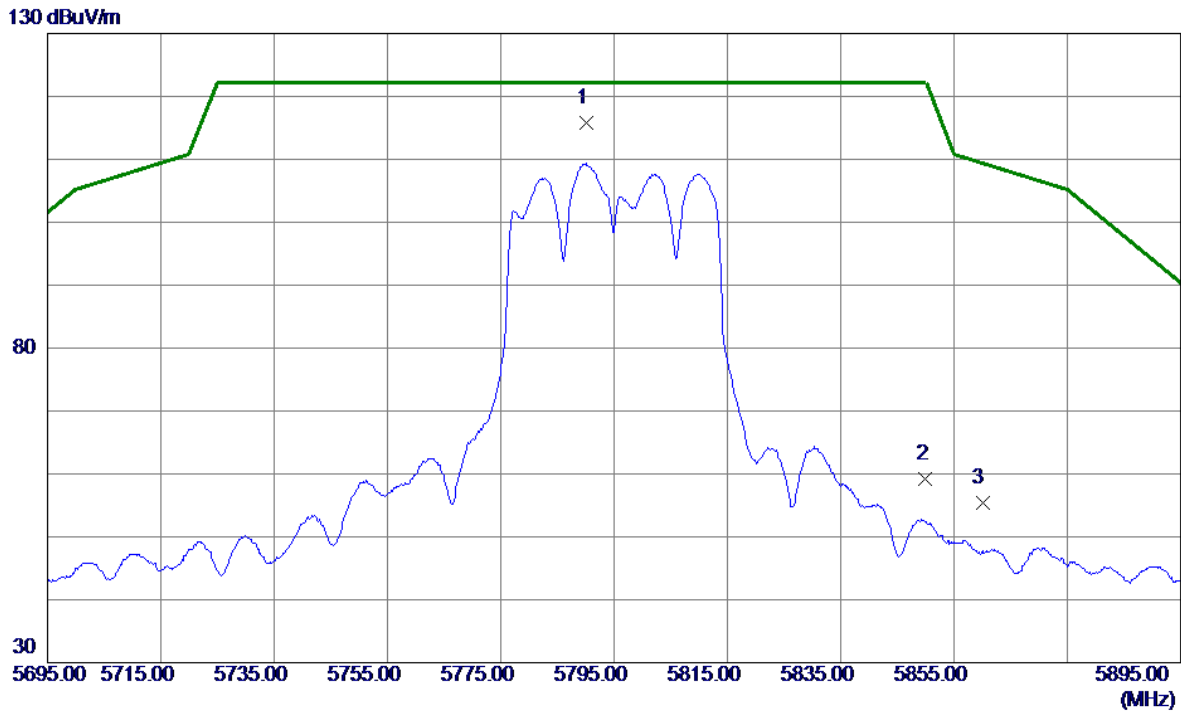


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11497.9000	36.08	8.51	44.59	54.00	-9.41	AVG	
2	11512.9000	46.46	8.50	54.96	74.00	-19.04	Peak	

**REMARKS:**

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5795 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------

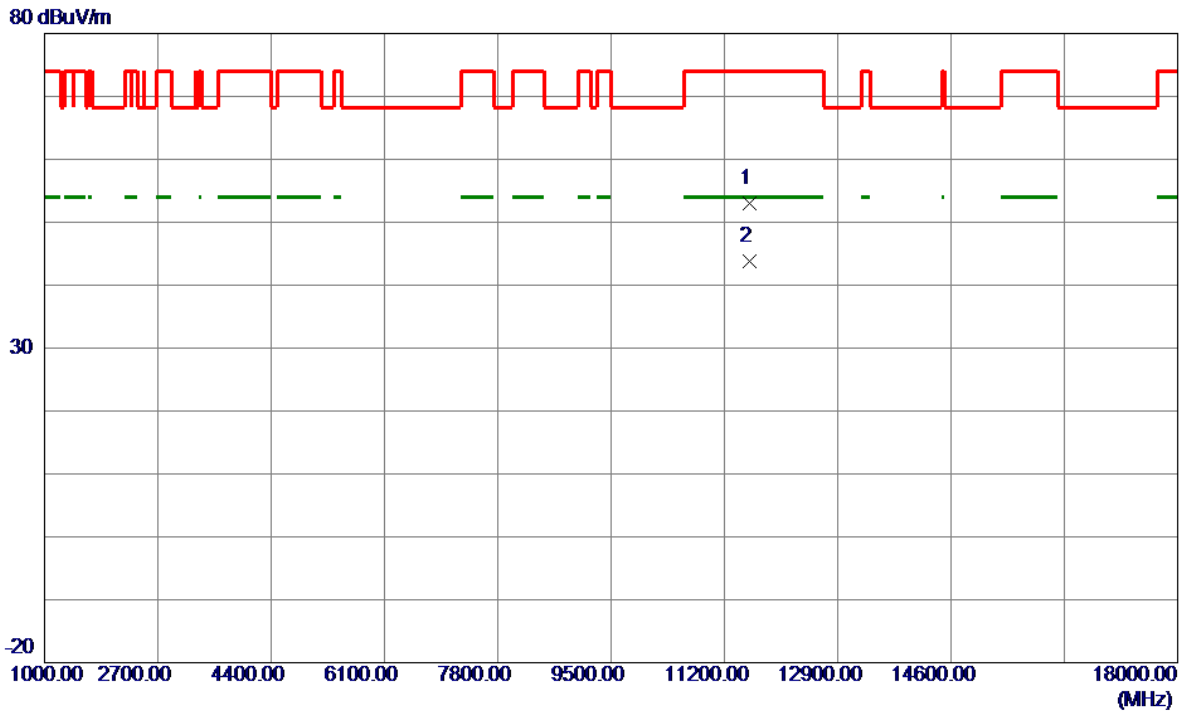


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5790.2000	102.57	13.14	115.71	122.20	-6.49	Peak	No Limit
2	5850.0000	45.90	13.24	59.14	122.20	-63.06	Peak	
3	5860.0000	42.21	13.26	55.47	109.40	-53.93	Peak	

**REMARKS:**

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5795 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

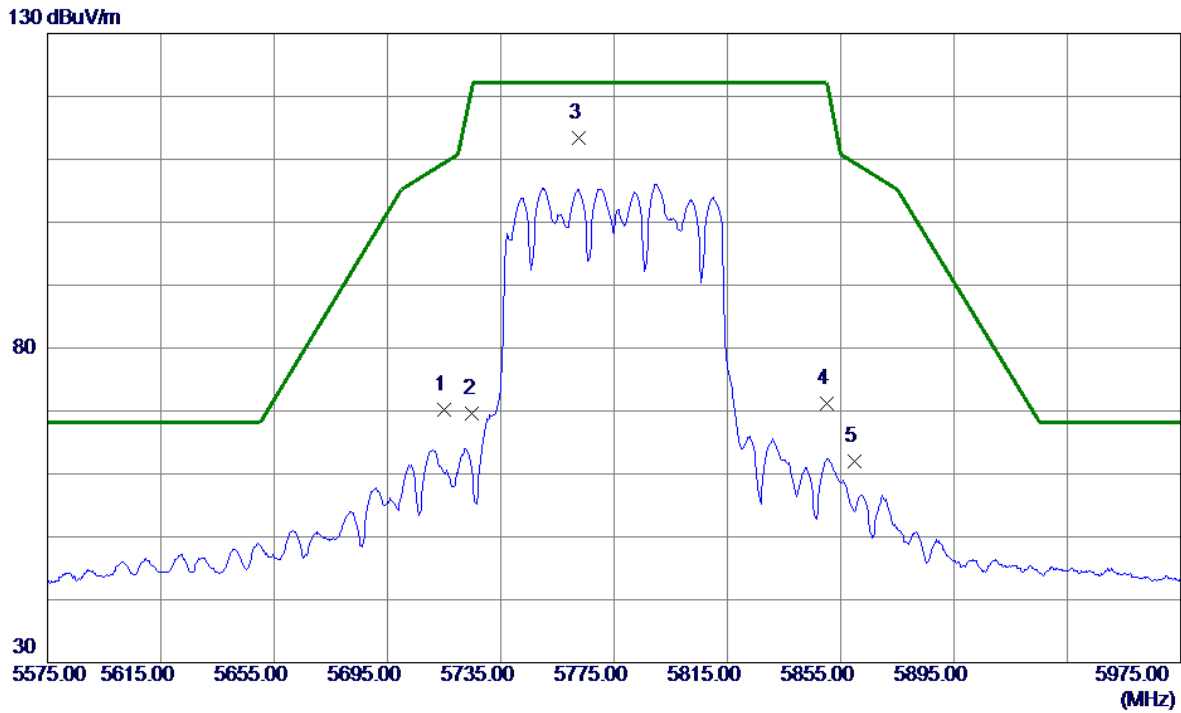


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11572.8000	44.56	8.48	53.04	74.00	-20.96	Peak	
2 *	11578.0000	35.39	8.48	43.87	54.00	-10.13	AVG	

**REMARKS:**

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

Test Mode	UNII-3_TX AC(VHT80) Mode 5775 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------

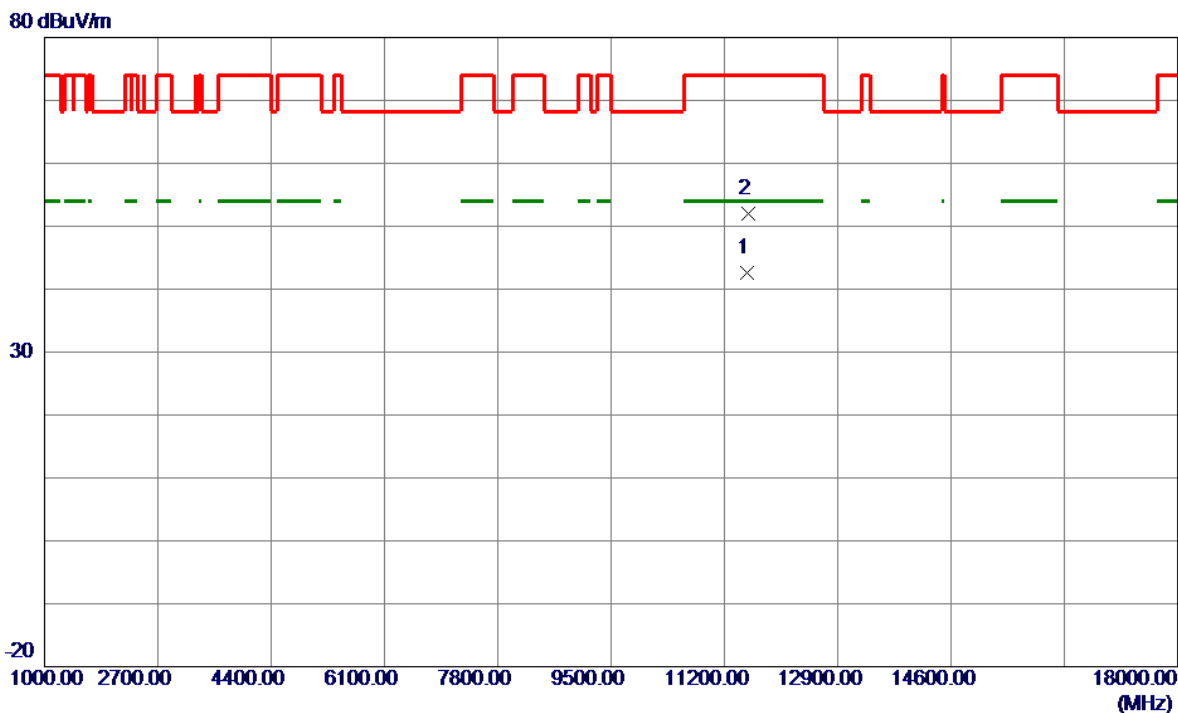


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	57.15	13.01	70.16	109.40	-39.24	Peak	
2	5725.0000	56.65	13.03	69.68	122.20	-52.52	Peak	
3 *	5762.6000	100.33	13.09	113.42	122.20	-8.78	Peak	No Limit
4	5850.0000	58.02	13.24	71.26	122.20	-50.94	Peak	
5	5860.0000	48.83	13.26	62.09	109.40	-47.31	Peak	

**REMARKS:**

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

Test Mode	UNII-3_TX AC(VHT80) Mode 5775 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

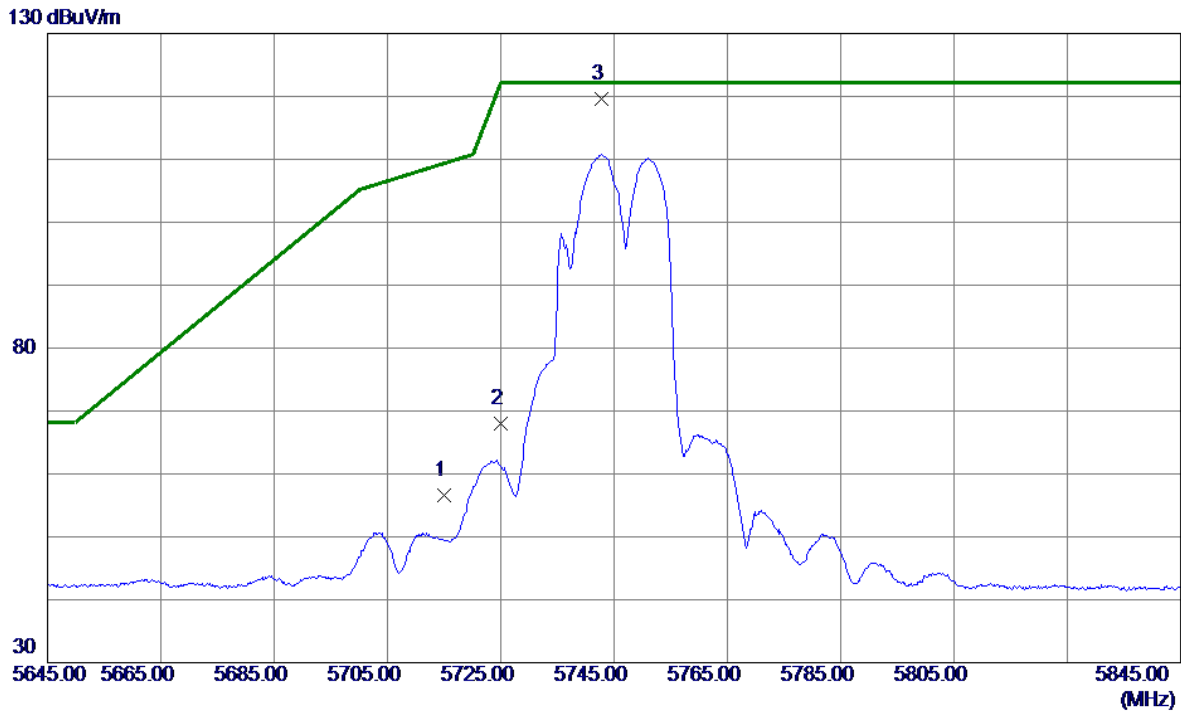


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11534.4000	34.08	8.49	42.57	54.00	-11.43	AVG	
2	11557.9000	43.45	8.48	51.93	74.00	-22.07	Peak	

**REMARKS:**

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

Test Mode	UNII-3_TX AX(HE20) Mode 5745 MHz	Polarization	Vertical
-----------	----------------------------------	--------------	----------



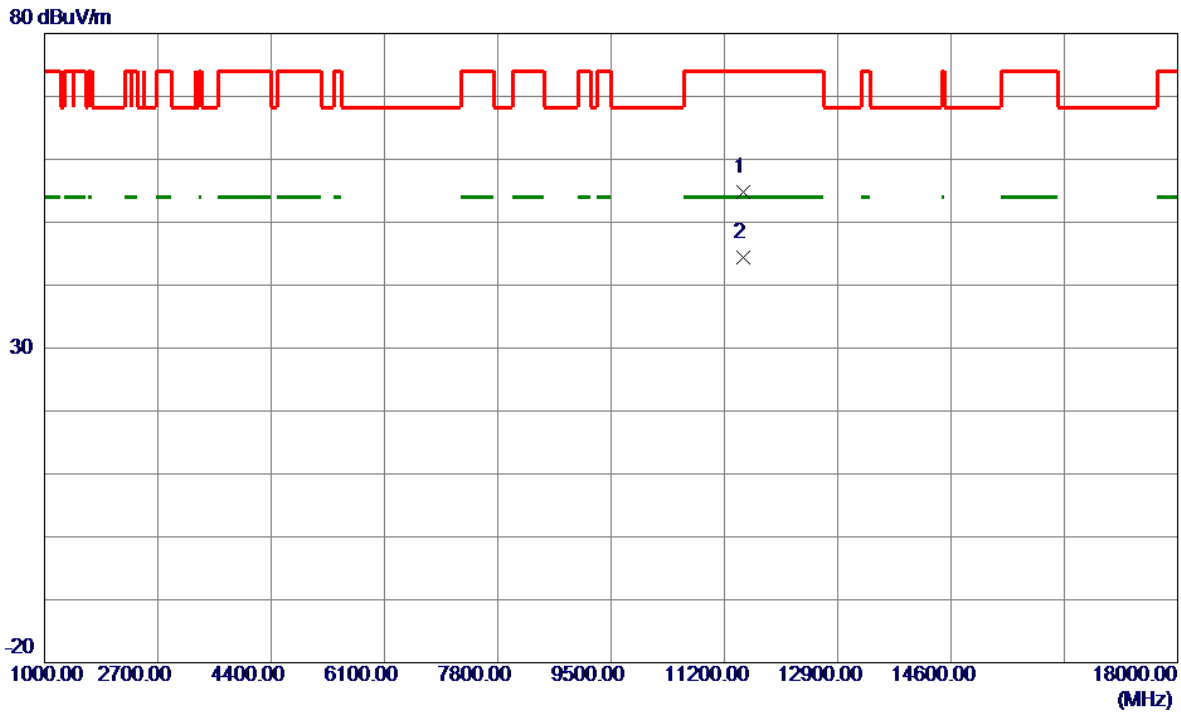
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	43.60	13.01	56.61	109.40	-52.79	Peak	
2	5725.0000	54.92	13.03	67.95	122.20	-54.25	Peak	
3 *	5742.7000	106.55	13.06	119.61	122.20	-2.59	Peak	No Limit

**REMARKS:**

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



Test Mode	UNII-3_TX AX(HE20) Mode 5745 MHz	Polarization	Horizontal
-----------	----------------------------------	--------------	------------

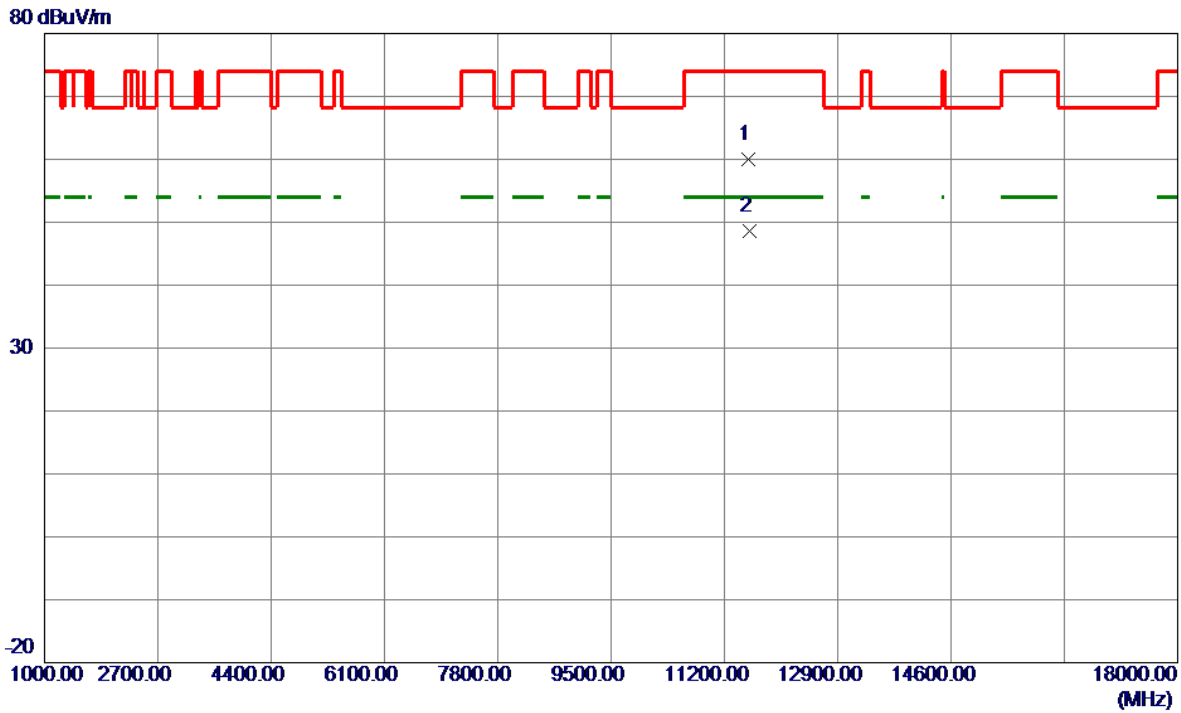


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11482.1500	46.35	8.51	54.86	74.00	-19.14	Peak	
2 *	11483.2500	35.93	8.51	44.44	54.00	-9.56	AVG	

**REMARKS:**

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

Test Mode	UNII-3_TX AX(HE20) Mode 5785 MHz	Polarization	Horizontal
-----------	----------------------------------	--------------	------------

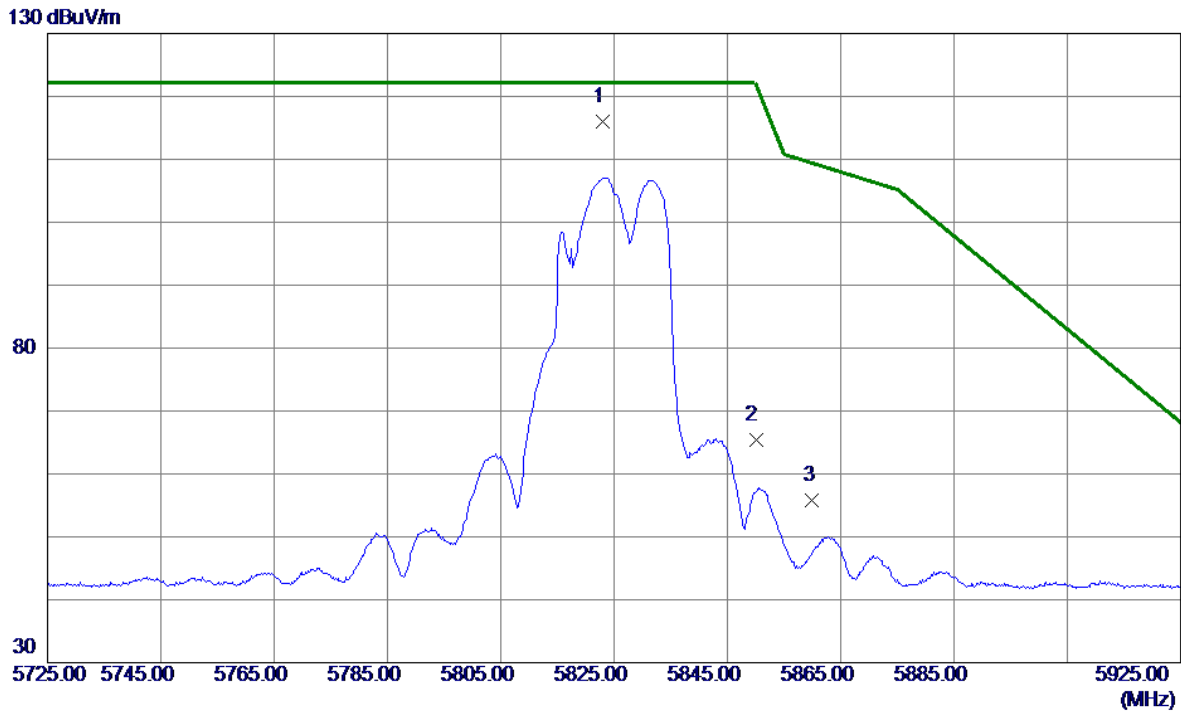


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11566.2000	51.43	8.48	59.91	74.00	-14.09	Peak	
2 *	11568.4500	40.07	8.48	48.55	54.00	-5.45	AVG	

REMARKS:

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

Test Mode	UNII-3_TX AX(HE20) Mode 5825 MHz	Polarization	Vertical
-----------	----------------------------------	--------------	----------



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5823.0000	102.80	13.19	115.99	122.20	-6.21	Peak	No Limit
2	5850.0000	52.16	13.24	65.40	122.20	-56.80	Peak	
3	5860.0000	42.46	13.26	55.72	109.40	-53.68	Peak	

**REMARKS:**

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