

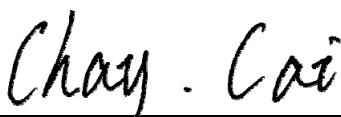
FCC Radio Test Report

FCC ID: V7TAC21

This report concerns: Original Grant

Project No. : 2001C106
Equipment : AC2100 Dual Band Gigabit WiFi Router
Brand Name : Tenda
Test Model : AC21
Series Model : N/A
Applicant : SHENZHEN TENDA TECHNOLOGY CO.,LTD
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Manufacturer : SHENZHEN TENDA TECHNOLOGY CO.,LTD
Address : 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052
Date of Receipt : Jan. 17, 2020
Date of Test : Jan. 19, 2020 ~ Mar. 09, 2020
Issued Date : Mar. 18, 2020
Report Version : R00
Test Sample : Engineering Sample No.: DG2020011713 for conducted, DG2020011714 for radiated.
Standard(s) : FCC Part15, Subpart E(15.407)
ANSI C63.10-2013
FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01
FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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



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Declaration

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

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

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any agency of the U.S. Government.

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

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

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

Limitation

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

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

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Mar. 18, 2020

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E(15.407)				
Standard(s) Section	Test Item	Test Result	Judgement	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)	Spectrum 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	-----
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
 Access point device Client device

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's Test Firm Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

1.2 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	2.60

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9kHz ~ 30MHz	V	3.79
		9kHz ~ 30MHz	H	3.57
		30MHz ~ 200MHz	V	4.88
		30MHz ~ 200MHz	H	4.14
		200MHz ~ 1,000MHz	V	4.62
		200MHz ~ 1,000MHz	H	4.80
		1GHz ~ 6GHz	-	4.58
		6GHz ~ 18GHz	-	5.18
		18GHz ~ 26.5GHz	-	3.62
		26.5GHz ~ 40GHz	-	4.00

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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	25°C	53%	AC 120V/60Hz AC 240V/60Hz	Sheldon Ou
Radiated Emissions -9K-30MHz	25°C	60%	AC 120V/60Hz	Sheldon Ou
Radiated Emissions -30 MHz to 1GHz	24°C	68%	AC 120V/60Hz	Sheldon Ou
Radiated Emissions -Above 1000 MHz	24°C	68%	AC 120V/60Hz	Sheldon Ou
Spectrum Bandwidth	26°C	54%	DC 12V	Hayden Chen
Maximum Output Power	26°C	54%	DC 12V	Laughing Zhang
Power Spectral Density	26°C	54%	DC 12V	Hayden Chen
Frequency Stability	Normal & Extreme	54%	Normal & Extreme	Hayden Chen

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AC2100 Dual Band Gigabit WiFi Router
Brand Name	Tenda
Test Model	AC21
Series Model	N/A
Model Difference(s)	N/A
Power Source	DC Voltage supplied from AC/DC adapter. Model: BN050-A18012U
Power Rating	I/P: 100-240V~ 50/60Hz 0.6A O/P: 12V ==== 1.5A
Operation Frequency Bands	UNII-1: 5150 MHz~5250 MHz UNII-3: 5725 MHz~5850 MHz
Modulation Type	OFDM
Bit Rate of Transmitter	Up to 1733.2 Mbps
Maximum Output Power for UNII-1_Non-Beamforming	IEEE 802.11a: 19.36 dBm (0.0863 W) IEEE 802.11n (HT20): 19.48 dBm (0.0887 W) IEEE 802.11n (HT40): 19.98 dBm (0.0995 W) IEEE 802.11ac (VHT20): 21.62 dBm (0.1452 W) IEEE 802.11ac (VHT40): 22.26 dBm (0.1683 W) IEEE 802.11ac (VHT80): 25.64 dBm (0.3664 W)
Maximum Output Power for UNII-3_Non-Beamforming	IEEE 802.11a: 19.34 dBm (0.0859 W) IEEE 802.11n (HT20): 29.69 dBm (0.9311 W) IEEE 802.11n (HT40): 23.73 dBm (0.2360 W) IEEE 802.11ac (VHT20): 29.72 dBm (0.9376 W) IEEE 802.11ac (VHT40): 26.00 dBm (0.3981 W) IEEE 802.11ac (VHT80): 28.71 dBm (0.7430 W)
Maximum Output Power for UNII-1_Beamforming	IEEE 802.11n (HT20): 19.40 dBm (0.0871 W) IEEE 802.11n (HT40): 19.87 dBm (0.0971 W) IEEE 802.11ac (VHT20): 21.52 dBm (0.1419 W) IEEE 802.11ac (VHT40): 22.23 dBm (0.1671 W) IEEE 802.11ac (VHT80): 24.79 dBm (0.3013 W)
Maximum Output Power for UNII-3_Beamforming	IEEE 802.11n (HT20): 24.59 dBm (0.2877 W) IEEE 802.11n (HT40): 23.69 dBm (0.2339 W) IEEE 802.11ac (VHT20): 24.78 dBm (0.3006 W) IEEE 802.11ac (VHT40): 24.97 dBm (0.3141 W) IEEE 802.11ac (VHT80): 24.86 dBm (0.3062 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 802.11n (HT40) IEEE 802.11ac (VHT40)		IEEE 802.11ac (VHT80)	
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 802.11n (HT40) IEEE 802.11ac (VHT40)		IEEE 802.11ac (VHT80)	
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				

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Dipole	N/A	5
2	N/A	N/A	Dipole	N/A	5
3	N/A	N/A	Dipole	N/A	5
4	N/A	N/A	Dipole	N/A	5

Note: This EUT supports CDD, and all antennas have the same gain, so,

- 1) For Non Beamforming, Directional gain= G_{ANT} +Array Gain.
For output power measurements, Array Gain=0 ($N_{ANT} \leq 4$), so the Directional gain=5.
For power spectral density measurements, Array Gain= $10\log(N_{ANT}/N_{SS})$ dB, so the Directional gain=5+ $10\log(4/1)$ =11.02. So, the UNII-1 power spectral density limit is $17-(11.02-6)=11.98$, the UNII-3 power spectral density limit is $30-(11.02-6)=24.98$.
- 2) For Beamforming, Beamforming Gain: 6dB. So the Directional gain=6+5=11. So the output power limit is $30-(11-6)=25$.

4. Table for Antenna Configuration:**Non Beamforming:**

Operating Mode TX Mode	1TX	4TX
IEEE 802.11a	V (Ant. 3)	-
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)

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)

2.2 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 / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N (HT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC (VHT40) Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC (VHT80) Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 8	TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX N (HT40) Mode / CH151,CH159 (UNII-3)
Mode 10	TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC (VHT40) Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC (VHT80) Mode / CH155 (UNII-3)
Mode 13	TX AC(VHT20) Mode / CH165 (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 13	TX AC(VHT20) Mode / CH165 (UNII-3)

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 13	TX AC(VHT20) Mode / CH165 (UNII-3)

Radiated emissions test - Above 1GHz	
Final Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 4	TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC (VHT40) Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC (VHT80) Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 10	TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC (VHT40) Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC (VHT80) Mode / CH155 (UNII-3)

Maximum Output Power test_Non Beamforming	
Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N (HT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC (VHT40) Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC (VHT80) Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 8	TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX N (HT40) Mode / CH151,CH159 (UNII-3)
Mode 10	TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC (VHT40) Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC (VHT80) Mode / CH155 (UNII-3)

Maximum Output Power test_Beamforming	
Test Mode	Description
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N (HT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC (VHT40) Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC (VHT80) Mode / CH42 (UNII-1)
Mode 8	TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX N (HT40) Mode / CH151,CH159 (UNII-3)
Mode 10	TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC (VHT40) Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC (VHT80) Mode / CH155 (UNII-3)

Other Conducted test	
Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 4	TX AC (VHT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC (VHT40) Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC (VHT80) Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 10	TX AC (VHT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC (VHT40) Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC (VHT80) Mode / CH155 (UNII-3)

Note:

- (1) For radiated emission below 1 GHz test, the IEEE 802.11ac20 channel 165 is found to be the worst case and recorded.
- (2) For radiated emission above 1 GHz test, 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) The measurements for Power were tested, the Non Beamforming and Beamforming were recorded in the report. The worst case were Non Beamforming for IEEE 802.11a mode, IEEE 802.11ac(VHT20) mode, IEEE 802.11ac(VHT40) mode and IEEE 802.11ac(VHT80), only the worst case were documented for other test items.
- (4) For radiated emissions, the TX WLAN 2.4G B Mode 2437 + WLAN 5G A Mode 5240MHz was found the worst case of simultaneous transmission and recorded.

2.3 PARAMETERS OF TEST SOFTWARE

Non Beamforming

UNII-1

Test Software	MP_TEST V1.3.8.0		
Test Frequency (MHz)	5180	5200	5240
IEEE 802.11a	80	75	75
IEEE 802.11n (HT20)	61/62/65/65	63/63/65/65	110/115/110/96
IEEE 802.11ac (VHT20)	61/62/65/65	63/63/65/65	68/69/72/72
Test Frequency (MHz)	5190	5230	
IEEE 802.11n (HT40)	73/76/78/74	74/76/78/78	
IEEE 802.11ac (VHT40)	73/76/78/74	74/76/78/78	
Test Frequency (MHz)	5210		
IEEE 802.11ac (VHT80)	82/85/85/85		

UNII-3

Test Software	MP_TEST V1.3.8.0		
Test Frequency (MHz)	5745	5785	5825
IEEE 802.11a	93	90	93
IEEE 802.11n (HT20)	91/92/92/92	91/92/92/92	110/115/110/99
IEEE 802.11ac (VHT20)	91/92/92/92	91/92/92/92	110/115/110/109
Test Frequency (MHz)	5755	5795	
IEEE 802.11n (HT40)	104/107/103/105	107/107/107/105	
IEEE 802.11ac (VHT40)	104/107/103/105	107/107/107/105	
Test Frequency (MHz)	5775		
IEEE 802.11ac (VHT80)	100/102/104/104		

Beamforming**UNII-1**

Test Software	MP_TEST V1.3.8.0		
Test Frequency (MHz)	5180	5200	5240
IEEE 802.11n (HT20)	61/62/65/65	63/63/65/65	110/115/110/96
IEEE 802.11ac (VHT20)	61/62/65/65	63/63/65/65	68/69/72/72
Test Frequency (MHz)	5190	5230	
IEEE 802.11n (HT40)	73/76/78/74	74/76/78/78	
IEEE 802.11ac (VHT40)	73/76/78/74	74/76/78/78	
Test Frequency (MHz)	5210		
IEEE 802.11ac (VHT80)	80/83/83/83		

UNII-3

Test Software	MP_TEST V1.3.8.0		
Test Frequency (MHz)	5745	5785	5825
IEEE 802.11n (HT20)	91/92/92/92	91/92/92/92	91/92/92/92
IEEE 802.11ac (VHT20)	89/90/90/90	89/90/90/90	89/90/90/90
Test Frequency (MHz)	5755	5795	
IEEE 802.11n (HT40)	104/107/103/105	107/107/107/105	
IEEE 802.11ac (VHT40)	103/106/102/104	105/105/105/103	
Test Frequency (MHz)	5775		
IEEE 802.11ac (VHT80)	95/97/99/99		

2.4 DUTY CYCLE

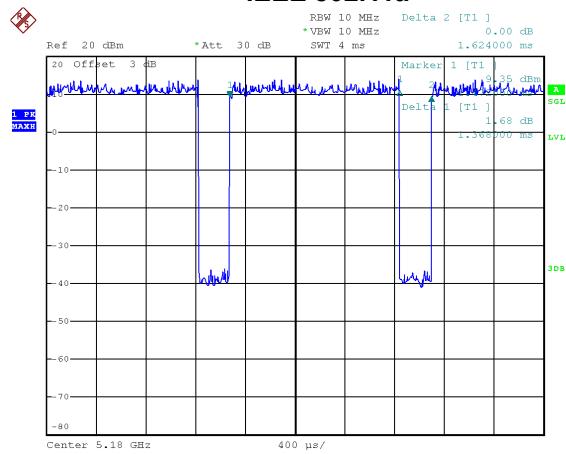
If duty cycle is $\geq 98\%$, duty factor is not required.

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

IEEE 802.11a

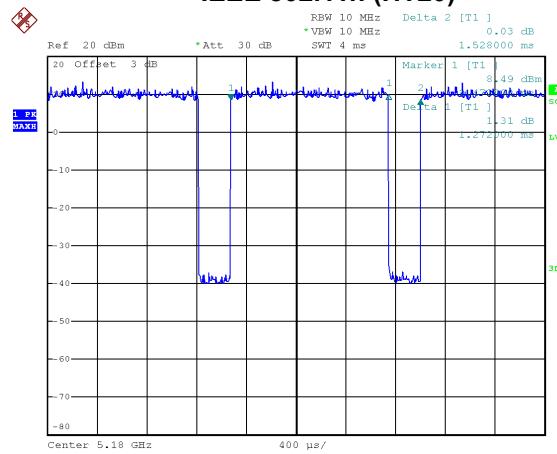


Date: 18.FEB.2020 14:17:46

Duty cycle = $1.368 \text{ ms} / 1.624 \text{ ms} = 84.24\%$

Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.74$

IEEE 802.11n (HT20)

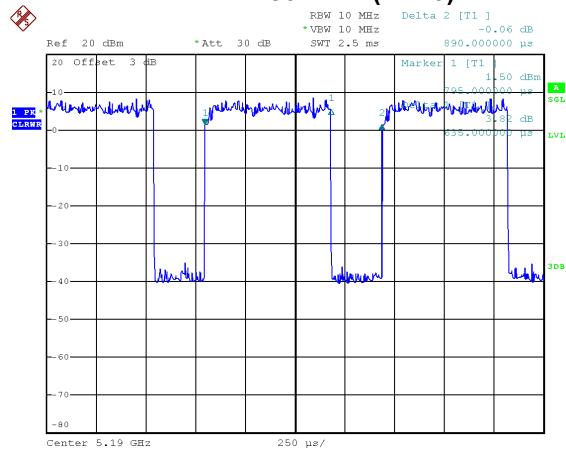


Date: 18.FEB.2020 14:18:26

Duty cycle = $1.272 \text{ ms} / 1.528 \text{ ms} = 83.25\%$

Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.80$

IEEE 802.11n (HT40)

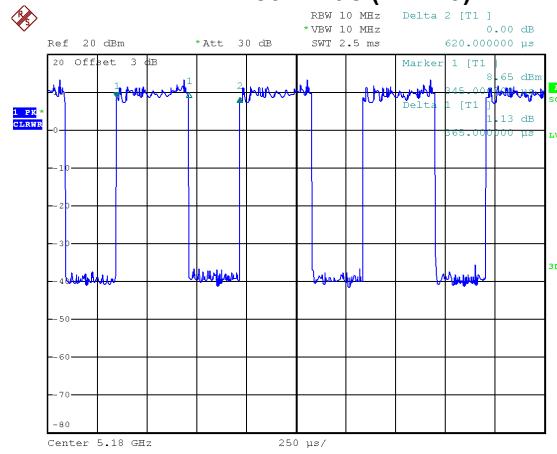


Date: 18.FEB.2020 14:19:32

Duty cycle = $0.635 \text{ ms} / 0.890 \text{ ms} = 71.35\%$

Duty Factor = $10 \log(1 / \text{Duty cycle}) = 1.47$

IEEE 802.11ac (VHT20)

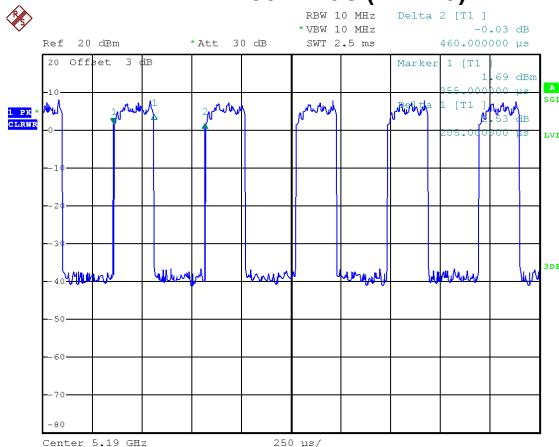


Date: 18.FEB.2020 14:18:56

Duty cycle = $0.365 \text{ ms} / 0.620 \text{ ms} = 58.87\%$

Duty Factor = $10 \log(1 / \text{Duty cycle}) = 2.30$

IEEE 802.11ac (VHT40)

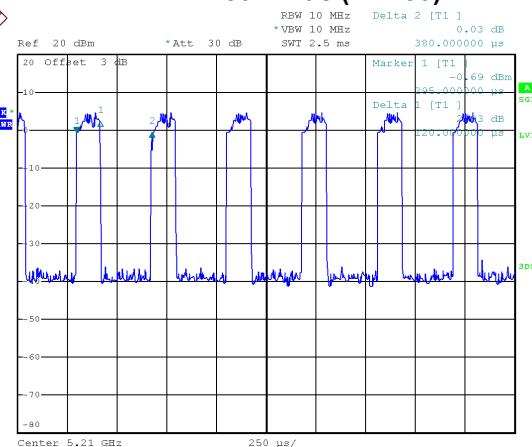


Date: 18.FEB.2020 14:19:49

$$\text{Duty cycle} = 0.205 \text{ ms} / 0.460 \text{ ms} = 44.57\%$$

$$\text{Duty Factor} = 10 \log(1 / \text{Duty cycle}) = 3.51$$

IEEE 802.11ac (VHT80)



Date: 18.FEB.2020 14:20:48

$$\text{Duty cycle} = 0.120 \text{ ms} / 0.380 \text{ ms} = 31.58\%$$

$$\text{Duty Factor} = 10 \log(1 / \text{Duty cycle}) = 5.01$$

NOTE:

For IEEE 802.11a, IEEE 802.11n (HT20) and IEEE 802.11ac (VHT20):

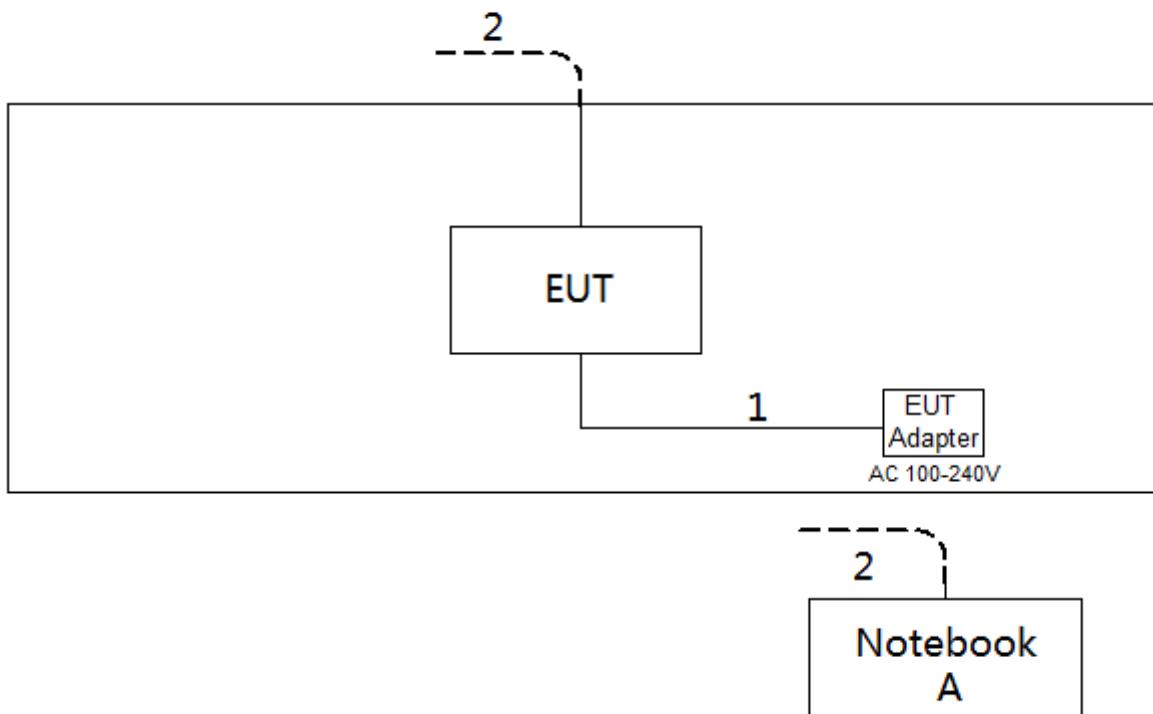
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle < 98%).

For IEEE 802.11n (HT40) and 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 2 kHz (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 3 kHz (Duty cycle < 98%).

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED**2.6 SUPPORT UNITS**

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

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.2m
2	RJ45 Cable	NO	NO	10m

3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

Frequency (MHz)	Limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.50 - 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.

The following table is the setting of the receiver

Receiver Parameter	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

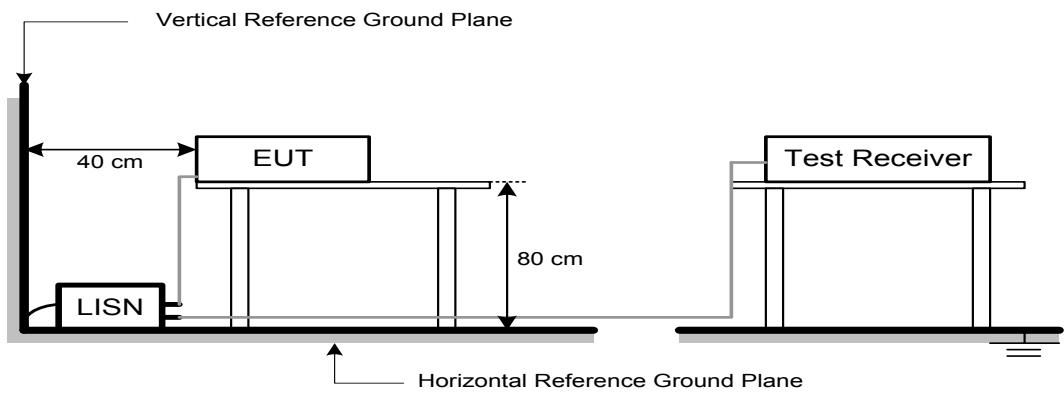
3.2 TEST PROCEDURE

- 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.

3.3 DEVIATION FROM TEST STANDARD

No deviation

3.4 TEST SETUP



3.5 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.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS TEST

4.1 LIMIT

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

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

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

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dB μ V/m)
5150-5250	-27	68.3
	-27 NOTE (2)	68.3
5725-5850	10 NOTE (2)	105.3
	15.6 NOTE (2)	110.9
	27 NOTE (2)	122.3

NOTE:

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

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

(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.

4.2 TEST PROCEDURE

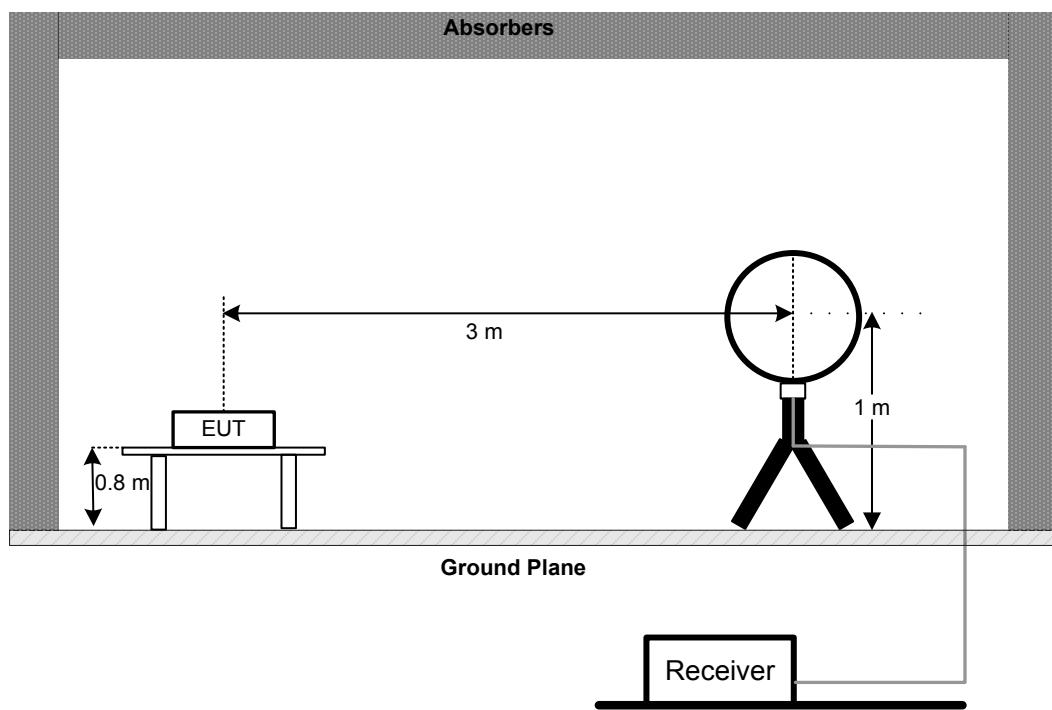
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m 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.

4.3 DEVIATION FROM TEST STANDARD

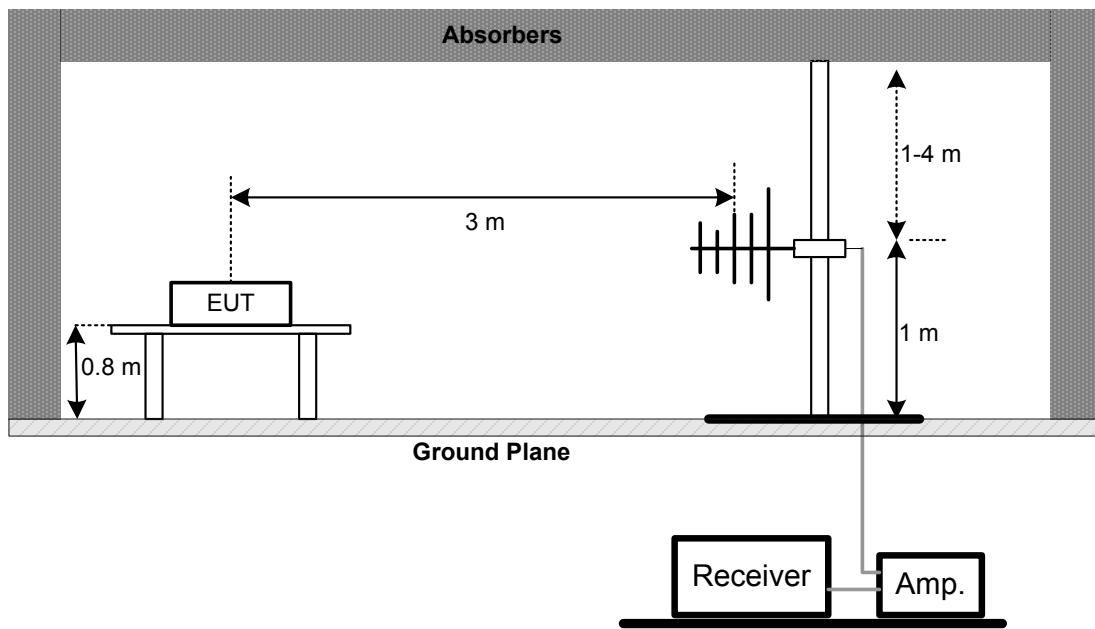
No deviation

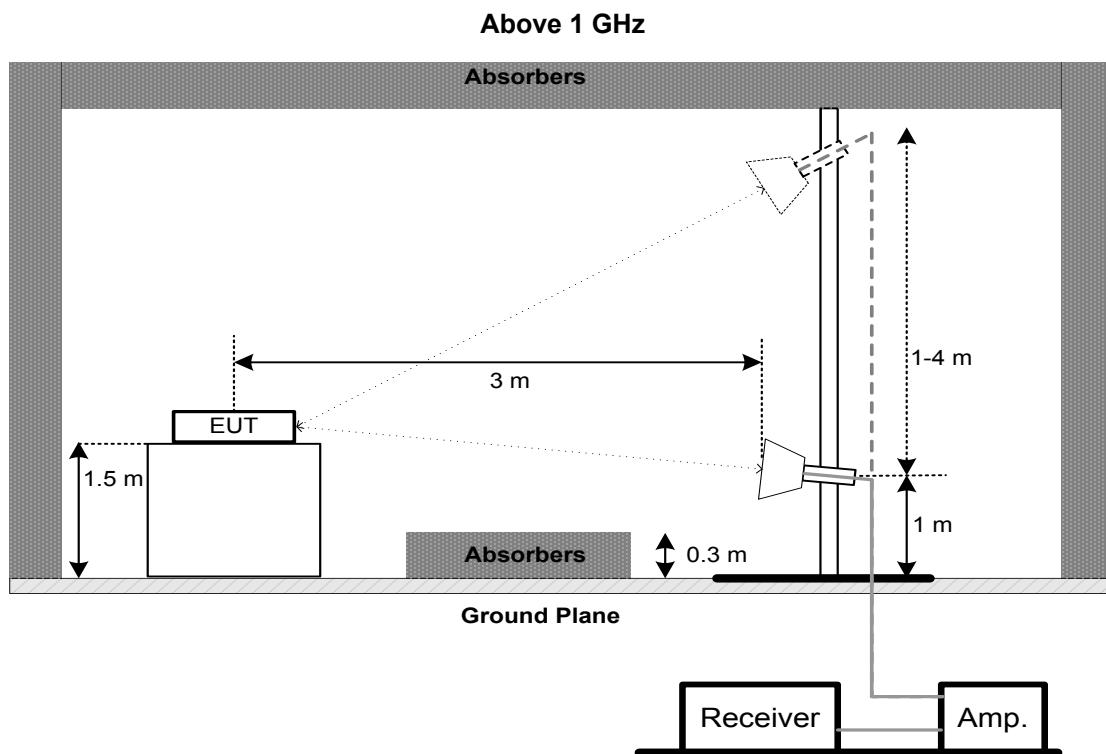
4.4 TEST SETUP

9 kHz to 30 MHz



30 MHz to 1 GHz





4.5 EUT OPERATION CONDITIONS

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

4.6 TEST RESULTS - 9 KHZ to 30 MHZ

Please refer to the APPENDIX B

Remark:

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

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

4.8 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.

5. BANDWIDTH TEST

5.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	26 dB Bandwidth	-	5150-5250
15.407(e)	6 dB Bandwidth	Minimum 500 kHz	5725-5850

5.2 TEST PROCEDURE

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

b. Spectrum Setting:

For UNII-1:

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> 26 dB Bandwidth
RBW	300 kHz (Bandwidth 20 MHz and Bandwidth 40 MHz) 1 MHz (Bandwidth 80 MHz)
VBW	1 MHz (Bandwidth 20 MHz and Bandwidth 40 MHz) 3 MHz (Bandwidth 80 MHz)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For UNII-3:

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

c. Measured the spectrum width with power higher than 26 dB / 6 dB below carrier

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER TEST

6.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Maximum Output Power	AP device: 1 Watt (30 dBm)	5150-5250
		Client device: 250 mW (24 dBm)	1 Watt (30dBm)

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.

6.2 TEST PROCEDURE

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

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. POWER SPECTRAL DENSITY TEST

7.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Power Spectral Density	AP device: 17 dBm/MHz	5150-5250
		Client device: 11 dBm/MHz 30 dBm/500 kHz	5725-5850

7.2 TEST PROCEDURE

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

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

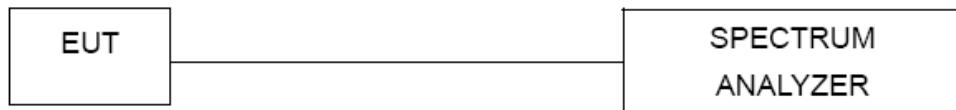
Note:

- 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 1 MHz and VBW at 3 MHz if the spectrum analyzer does not have 500 kHz RBW.
- The value measured with RBW=1 MHz is to be added with $10\log(500 \text{ kHz}/1 \text{ MHz})$ which is -3 dB. For example, if the measured value is +10 dBm using RBW=1 MHz (that is +10 dBm/MHz), then the converted value will be +7 dBm/500kHz.

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 G.

8. FREQUENCY STABILITY MEASUREMENT

8.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
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
			5725-5850

8.2 TEST PROCEDURE

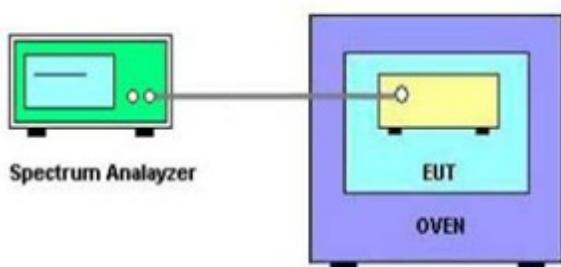
- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting:

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
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.

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 H.

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	Mar. 10, 2020
2	LISN	EMCO	3816/2	52765	Mar. 10, 2020
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	May 19, 2020
4	50Ω Terminator	SHX	TF5-3	15041305	Mar. 10, 2020
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 12, 2020

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1*	Antenna	EM	EM-6876-1	230	Jan. 15, 2022
2	Cable	N/A	RG 213/U	C-102	May 31, 2020
3	EMI Test Receiver	R&S	ESCI	100895	Mar. 10, 2020
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	Antenna	Schwarzbeck	VULB9160	9160-3232	Apr. 09, 2020
2*	Amplifier	HP	8447D	2944A09673	Aug. 11, 2021
3	Receiver	Agilent	N9038A	MY52130039	Aug. 03, 2020
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	May 24, 2020
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	Apr. 09, 2020
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 23, 2020
3	Amplifier	Agilent	8449B	3008A02333	Mar. 10, 2020
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 10, 2020
5	Receiver	Agilent	N9038A	MY52130039	Aug. 03, 2020
6	Controller	CT	SC100	N/A	N/A
7	Controller	MF	MF-7802	MF780208416	N/A
8	Cable	mitron	B10-01-01-12M	18072744	Jun. 29, 2020
9	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	Aug. 03, 2020

Maximum Output Power

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Aug. 03, 2020
2	Wideband power sensor	Keysight	N1923A	MY58310004	Aug. 03, 2020

Frequency Stability

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 03, 2020
2	Precision Oven Tester	CEPREI	CEEC-M64T-40	15-008	Feb. 28, 2021

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

"*" calibration period of equipment list is three year.

Except * item, 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**

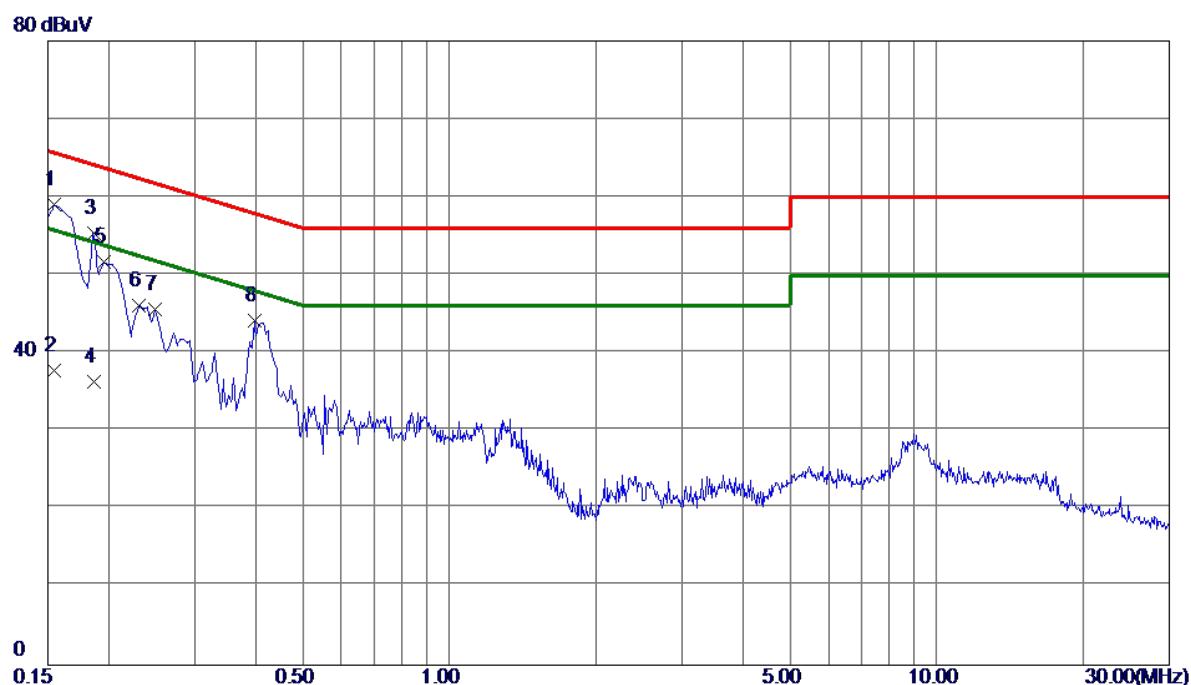
Radiated Emissions Test Photos**30 MHz to 1 GHz**

Radiated Emissions Test Photos**Above 1 GHz**

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode:	TX AC20 MODE CHANNEL 165
Test Voltage:	AC 120V/60Hz

Line

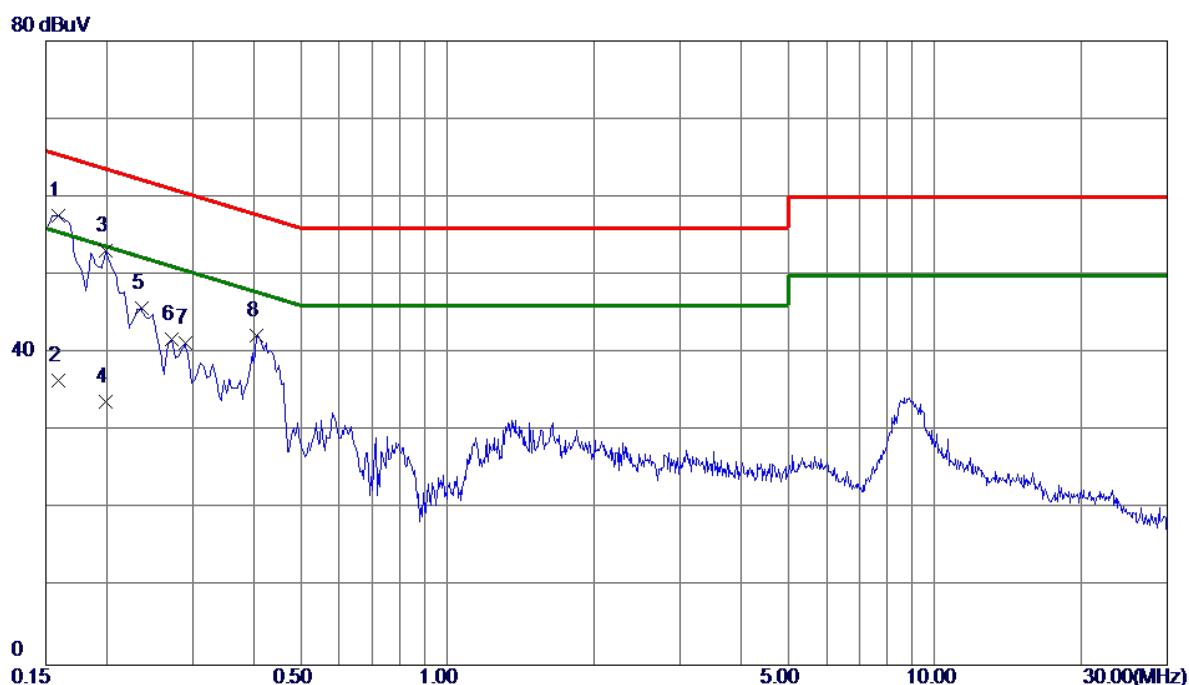


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1545	49.26	9.82	59.08	65.75	-6.67	Peak	
2	0.1545	27.90	9.82	37.72	55.75	-18.03	AVG	
3	0.1860	45.60	9.81	55.41	64.21	-8.80	Peak	
4	0.1860	26.50	9.81	36.31	54.21	-17.90	AVG	
5	0.1955	41.80	9.81	51.61	63.80	-12.19	Peak	
6	0.2310	36.32	9.82	46.14	62.41	-16.27	Peak	
7	0.2490	35.83	9.83	45.66	61.79	-16.13	Peak	
8	0.3975	34.25	9.87	44.12	57.91	-13.79	Peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) The test result has included the cable loss.

Test Mode:	TX AC20 MODE CHANNEL 165
Test Voltage:	AC 120V/60Hz

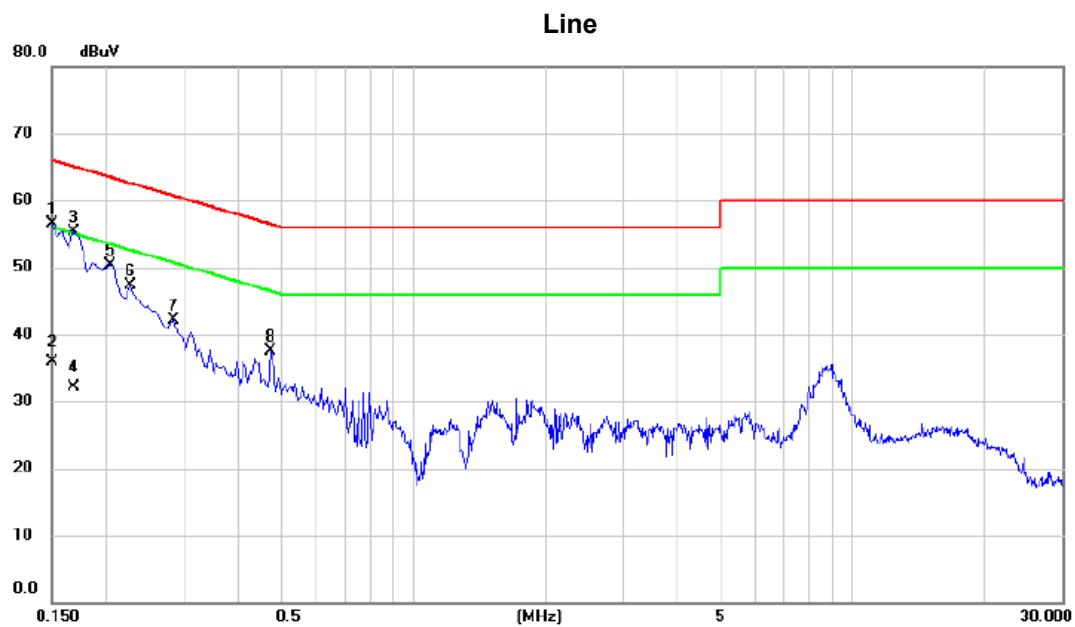
Neutral

No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1590	47.74	9.91	57.65	65.52	-7.87	Peak	
2	0.1590	26.50	9.91	36.41	55.52	-19.11	AVG	
3	0.1995	43.24	9.90	53.14	63.63	-10.49	Peak	
4	0.1995	23.80	9.90	33.70	53.63	-19.93	AVG	
5	0.2355	35.88	9.92	45.80	62.25	-16.45	Peak	
6	0.2714	31.75	9.94	41.69	61.07	-19.38	Peak	
7	0.2895	31.27	9.95	41.22	60.54	-19.32	Peak	
8	0.4065	32.23	10.01	42.24	57.72	-15.48	Peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) The test result has included the cable loss.

Test Mode:	TX AC20 MODE CHANNEL 165
Test Voltage:	AC 240V/60Hz

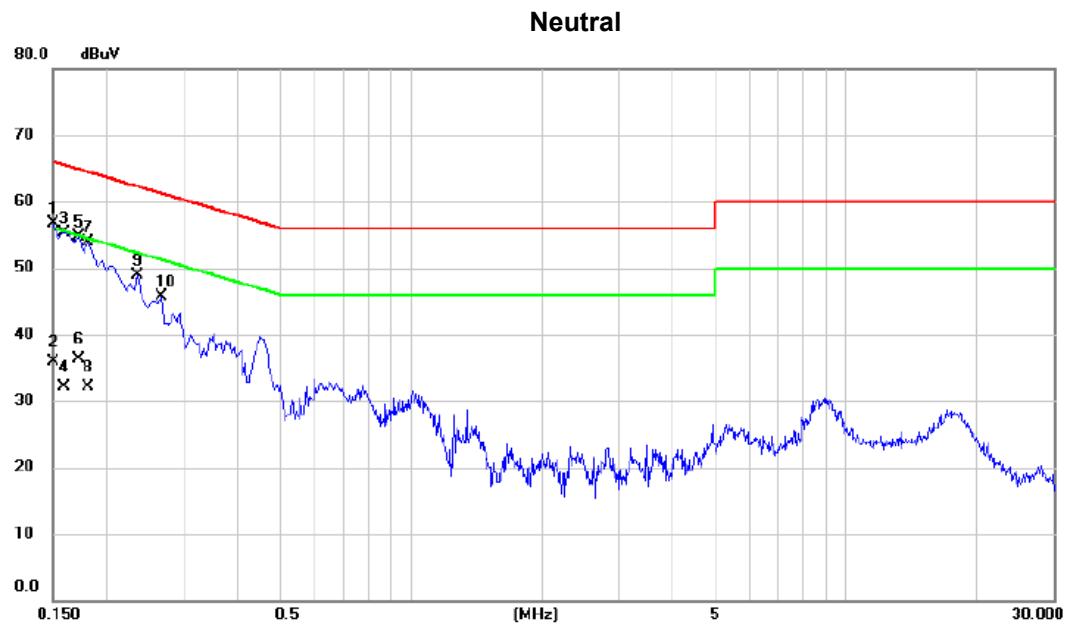


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
1	*	0.1500	46.72	9.79	56.51	66.00	-9.49	peak	
2		0.1500	26.10	9.79	35.89	56.00	-20.11	AVG	
3		0.1680	45.46	9.79	55.25	65.06	-9.81	peak	
4		0.1680	22.30	9.79	32.09	55.06	-22.97	AVG	
5		0.2040	40.53	9.78	50.31	63.45	-13.14	peak	
6		0.2265	37.49	9.79	47.28	62.58	-15.30	peak	
7		0.2850	32.20	9.81	42.01	60.67	-18.66	peak	
8		0.4740	27.64	9.83	37.47	56.44	-18.97	peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) The test result has included the cable loss.

Test Mode:	TX AC20 MODE CHANNEL 165
Test Voltage:	AC 240V/60Hz



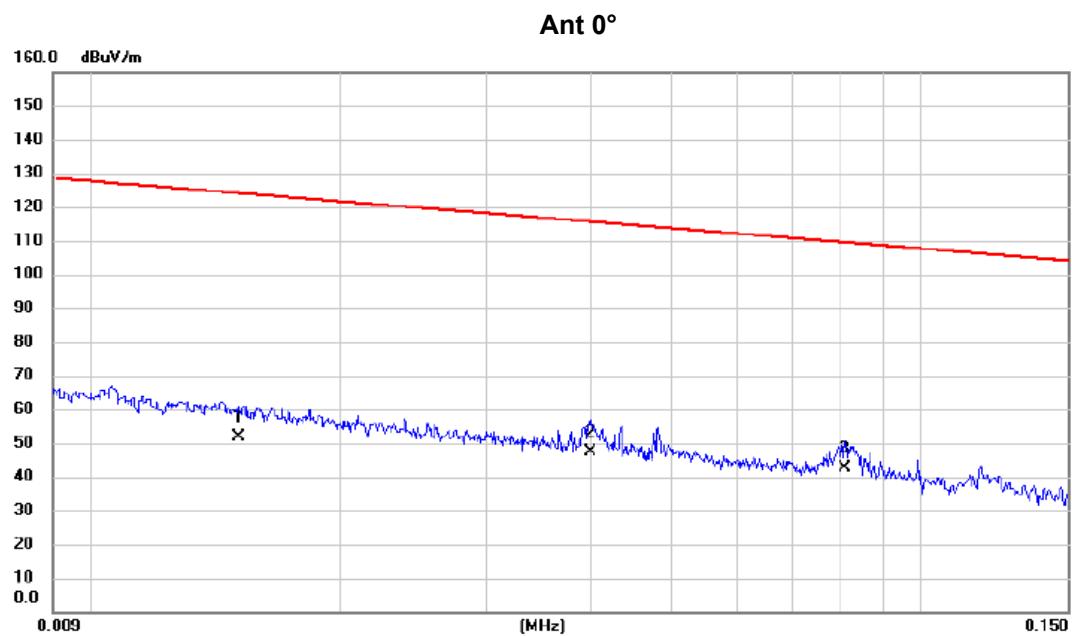
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1500	46.76	9.88	56.64	66.00	-9.36	peak	
2		0.1500	26.10	9.88	35.98	56.00	-20.02	AVG	
3		0.1598	45.41	9.88	55.29	65.47	-10.18	peak	
4		0.1598	22.20	9.88	32.08	55.47	-23.39	AVG	
5		0.1725	44.74	9.88	54.62	64.84	-10.22	peak	
6		0.1725	26.40	9.88	36.28	54.84	-18.56	AVG	
7		0.1815	44.06	9.88	53.94	64.42	-10.48	peak	
8		0.1815	22.30	9.88	32.18	54.42	-22.24	AVG	
9		0.2355	38.94	9.88	48.82	62.25	-13.43	peak	
10		0.2670	35.82	9.91	45.73	61.21	-15.48	peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.
- (3) The test result has included the cable loss.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode: TX AC20 MODE CHANNEL 165

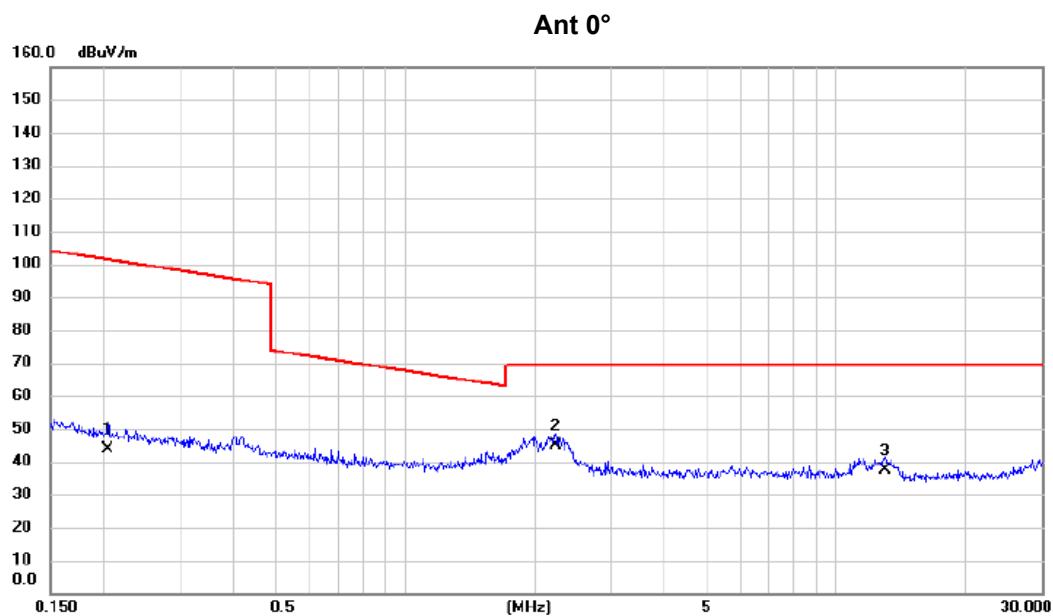


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		0.0151	36.70	15.29	51.99	124.03	-72.04	AVG
2		0.0400	33.40	13.90	47.30	115.56	-68.26	AVG
3	*	0.0810	28.90	13.54	42.44	109.44	-67.00	AVG

REMARKS:

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

Test Mode: TX AC20 MODE CHANNEL 165

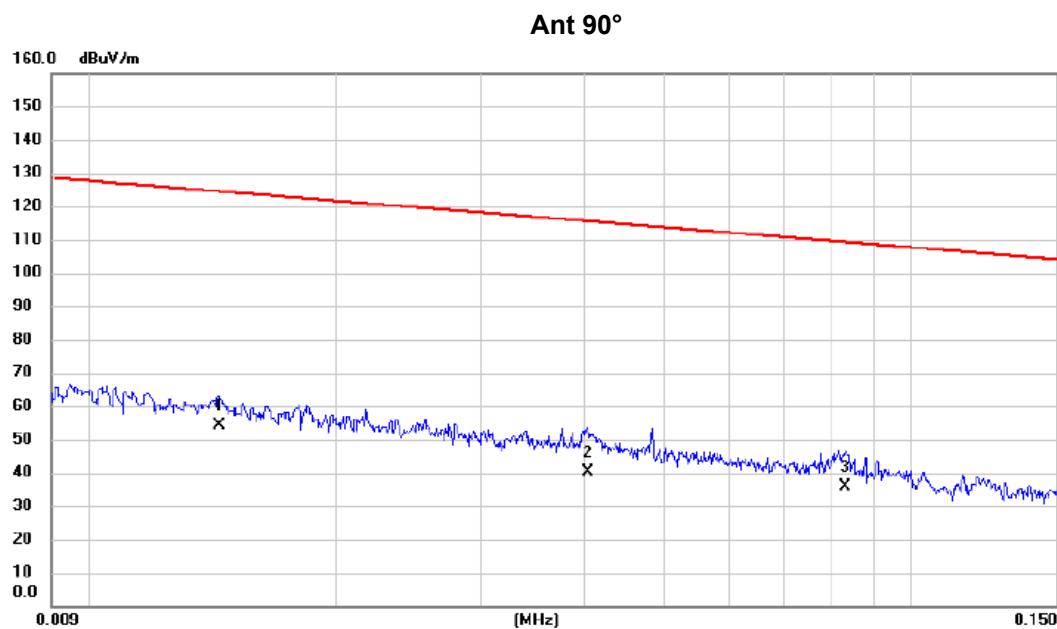


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dB			
1		0.2040	30.10	13.61	43.71	101.41	-57.70	AVG	
2	*	2.2367	33.20	11.68	44.88	69.54	-24.66	QP	
3		12.9885	25.70	11.60	37.30	69.54	-32.24	QP	

REMARKS:

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

Test Mode: TX AC20 MODE CHANNEL 165

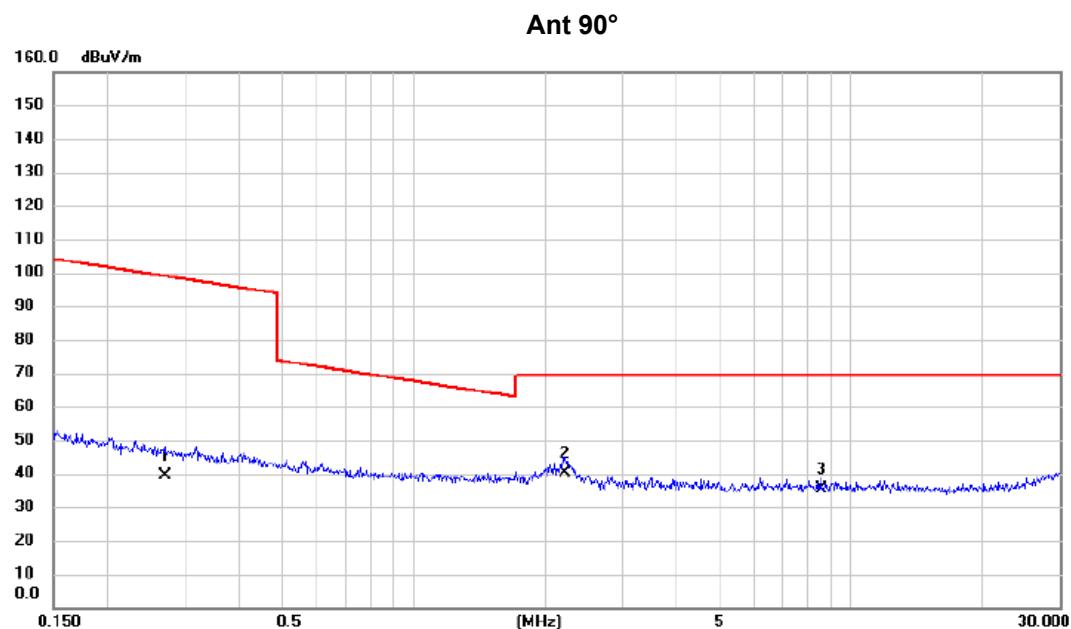


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dB			
1	*	0.0144	38.80	15.50	54.30	124.44	-70.14	AVG	
2		0.0405	26.40	13.90	40.30	115.46	-75.16	AVG	
3		0.0831	22.10	13.54	35.64	109.21	-73.57	AVG	

REMARKS:

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

Test Mode: TX AC20 MODE CHANNEL 165



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.2701	25.60	13.61	39.21	98.97	-59.76	AVG	
2	*	2.2132	28.40	11.69	40.09	69.54	-29.45	QP	
3		8.5463	23.80	11.41	35.21	69.54	-34.33	QP	

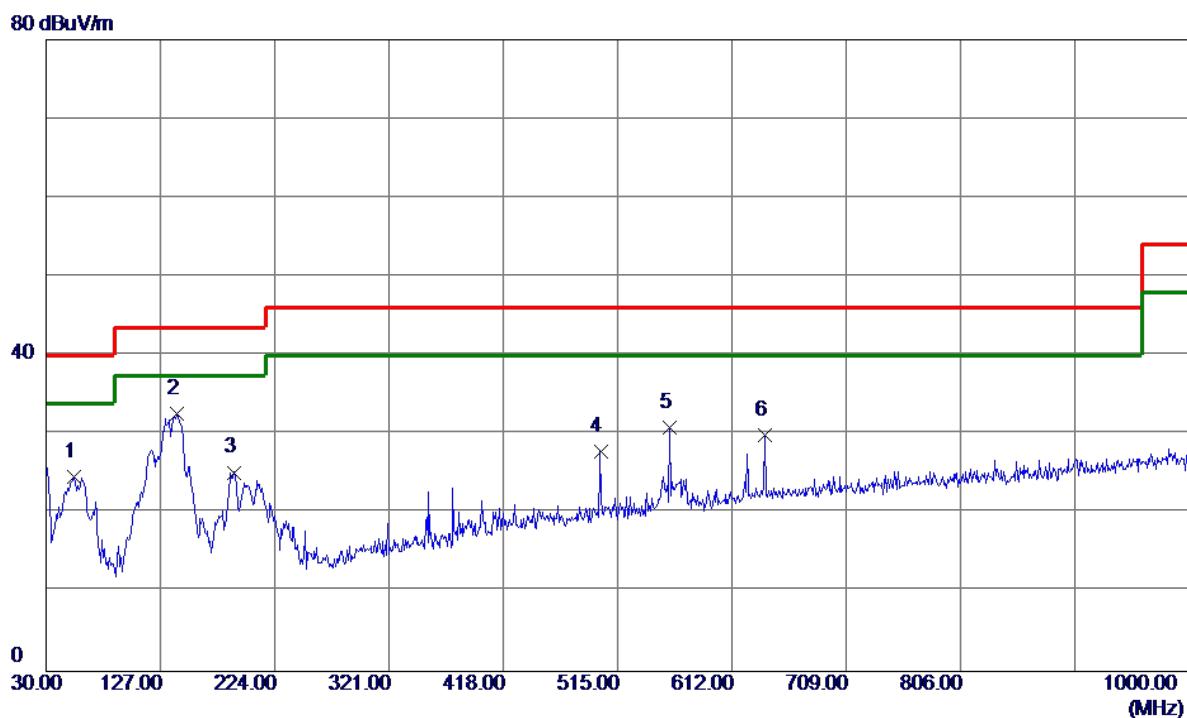
REMARKS:

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1 GHZ

Test Mode:	TX AC20 MODE CHANNEL 165
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Vertical



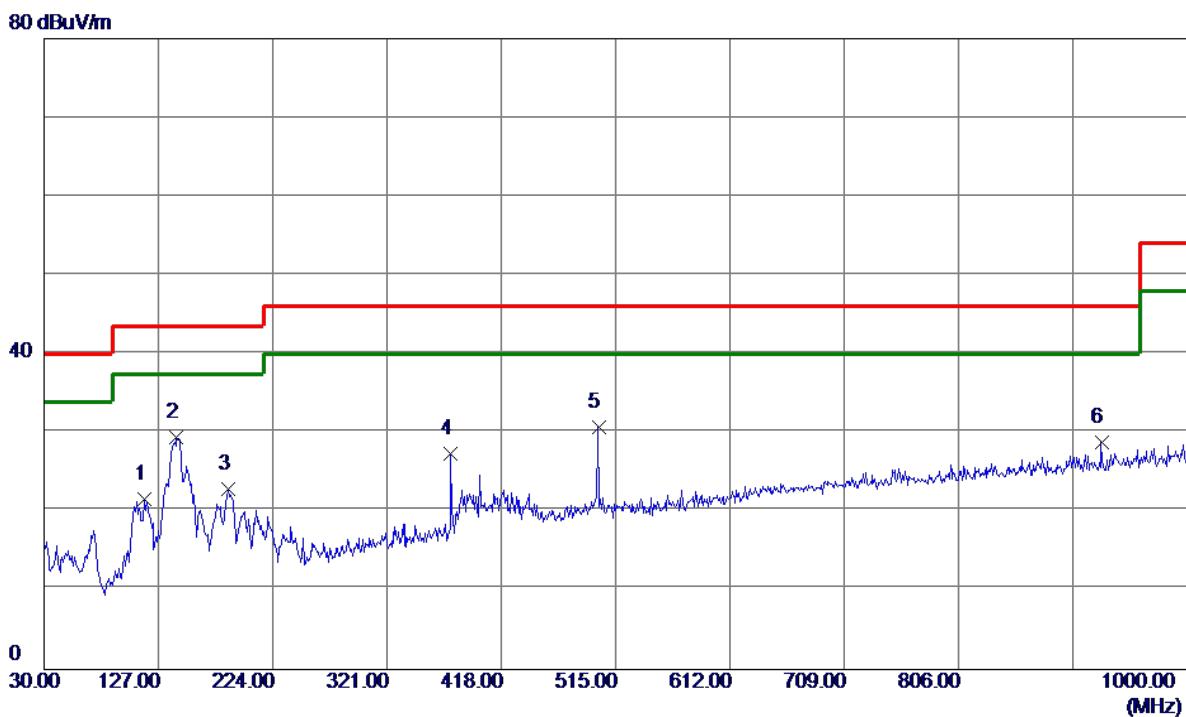
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	53.2800	38.86	-14.26	24.60	40.00	-15.40	Peak	
2 *	140.5800	46.16	-13.46	32.70	43.50	-10.80	Peak	
3	189.0800	40.28	-15.08	25.20	43.50	-18.30	Peak	
4	500.4500	36.73	-8.82	27.91	46.00	-18.09	Peak	
5	559.6200	38.99	-8.13	30.86	46.00	-15.14	Peak	
6	640.1300	36.06	-6.15	29.91	46.00	-16.09	Peak	

REMARKS:

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

Test Mode: TX AC20 MODE CHANNEL 165

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	115.3600	35.90	-14.29	21.61	43.50	-21.89	Peak	
2 *	142.5200	42.86	-13.35	29.51	43.50	-13.99	Peak	
3	186.1700	37.63	-14.69	22.94	43.50	-20.56	Peak	
4	375.3200	38.49	-11.07	27.42	46.00	-18.58	Peak	
5	500.4500	39.55	-8.82	30.73	46.00	-15.27	Peak	
6	927.2500	31.53	-2.78	28.75	46.00	-17.25	Peak	

REMARKS:

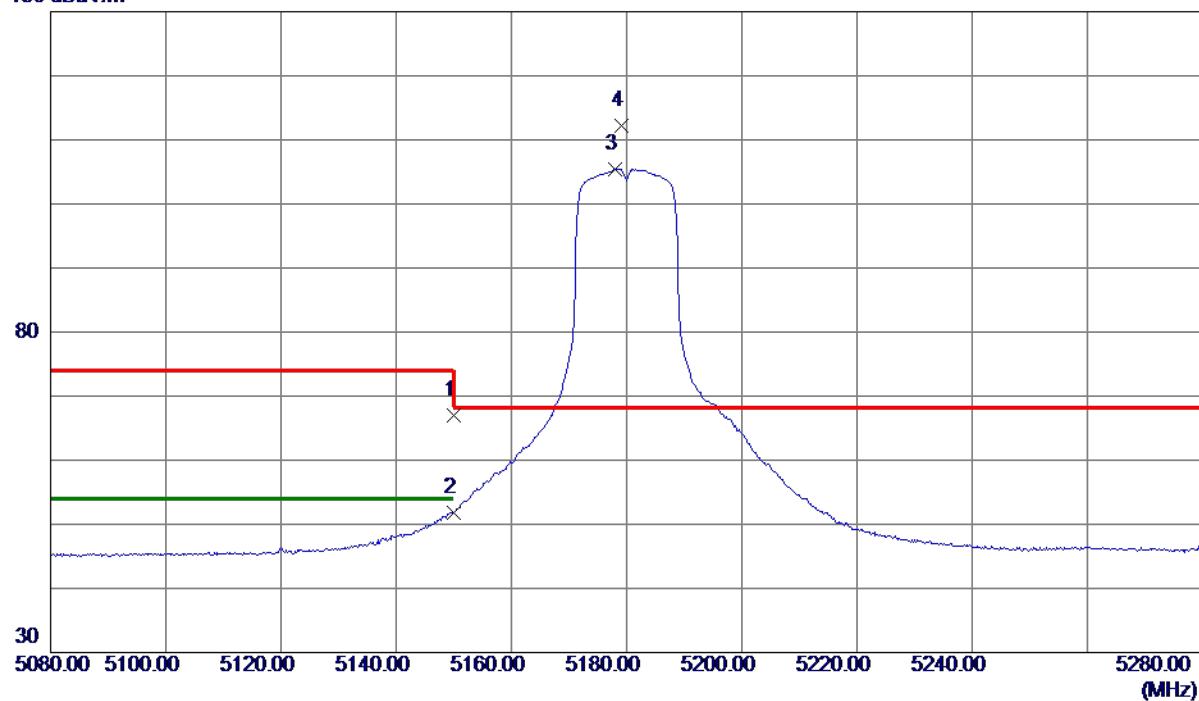
(1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5180 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.000	47.87	19.18	67.05	74.00	-6.95	Peak	
2	5150.000	32.71	19.18	51.89	54.00	-2.11	AVG	
3	5178.000	86.17	19.28	105.45	999.00	-893.55	AVG	No Limit
4 *	5179.200	93.00	19.28	112.28	68.30	43.98	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5180 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	10359.6000	45.52	19.96	65.48	68.30	-2.82	Peak	
2 *	10359.6800	33.44	19.96	53.40	54.00	-0.60	AVG	

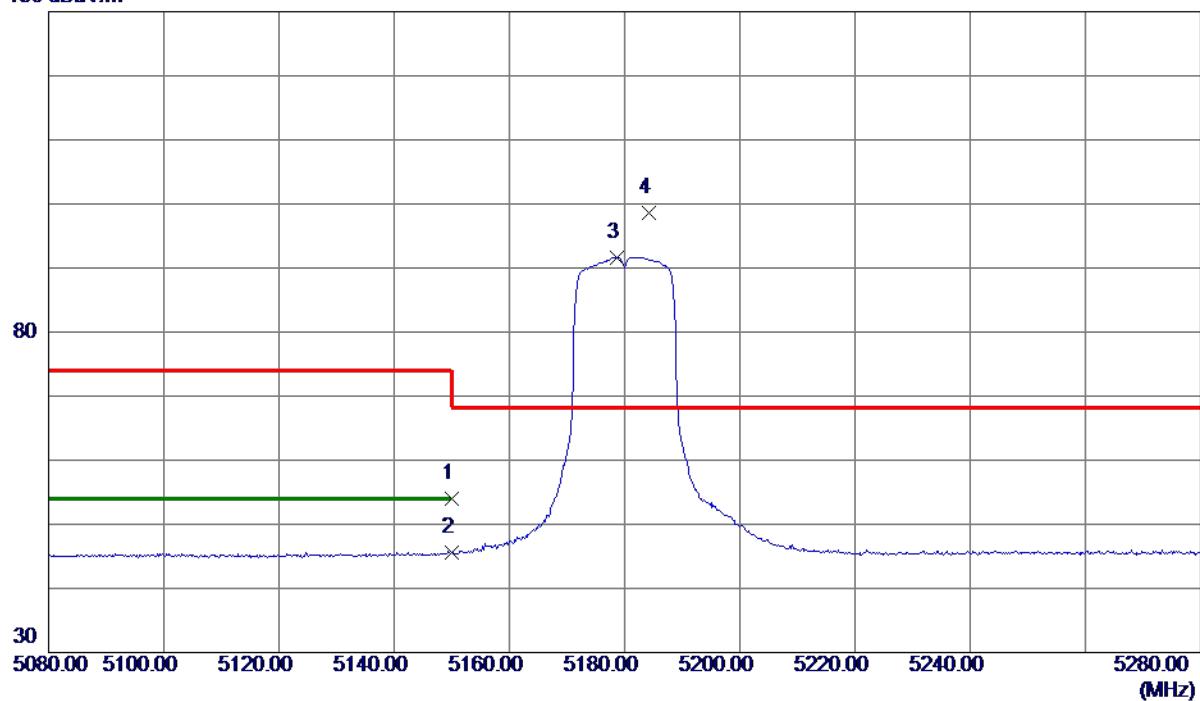
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5180 MHz

Horizontal

130 dBuV/m

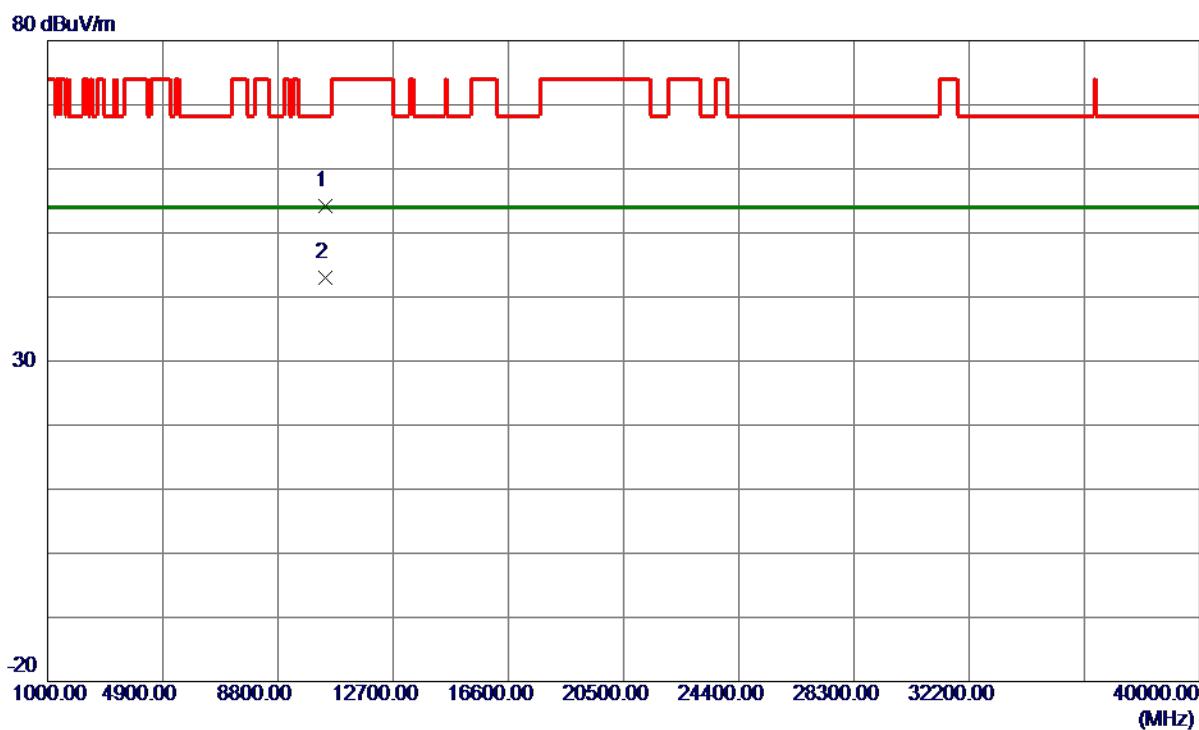


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5150.0000	34.91	19.18	54.09	74.00	-19.91	Peak	
2	5150.0000	26.45	19.18	45.63	54.00	-8.37	AVG	
3	5178.6000	72.40	19.28	91.68	999.00	-907.32	AVG	No Limit
4 *	5184.2000	79.29	19.30	98.59	68.30	30.29	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5180 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment	dBuV/m	dB		
1	10384.7000	34.25	20.03	54.28	68.30	-14.02	Peak	
2 *	10384.7600	23.03	20.03	43.06	54.00	-10.94	AVG	

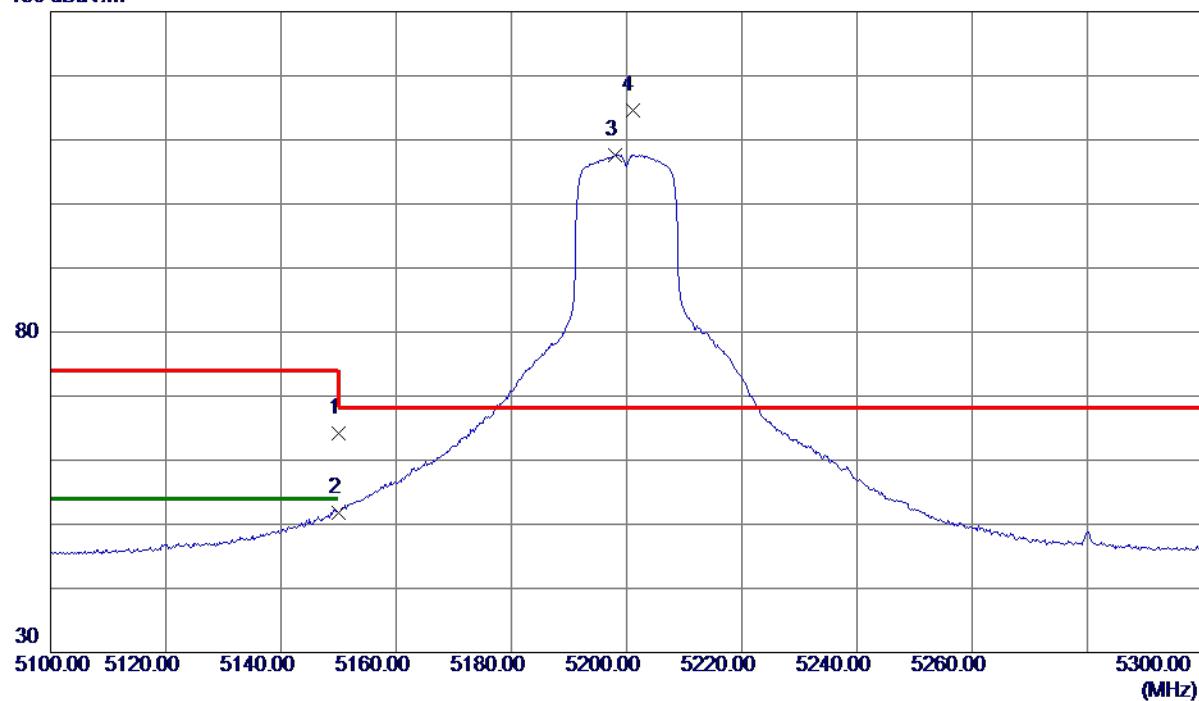
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5200 MHz

Vertical

130 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5150.000	45.09	19.18	64.27	74.00	-9.73	Peak	
2	5150.000	32.65	19.18	51.83	54.00	-2.17	AVG	
3	5198.000	88.31	19.35	107.66	999.00	-891.34	AVG	No Limit
4 *	5201.000	95.31	19.36	114.67	68.30	46.37	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5200 MHz

Vertical



No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment	dBuV/m	dB		
1	10399.3500	45.48	20.08	65.56	68.30	-2.74	Peak	
2 *	10399.3700	33.08	20.08	53.16	54.00	-0.84	AVG	

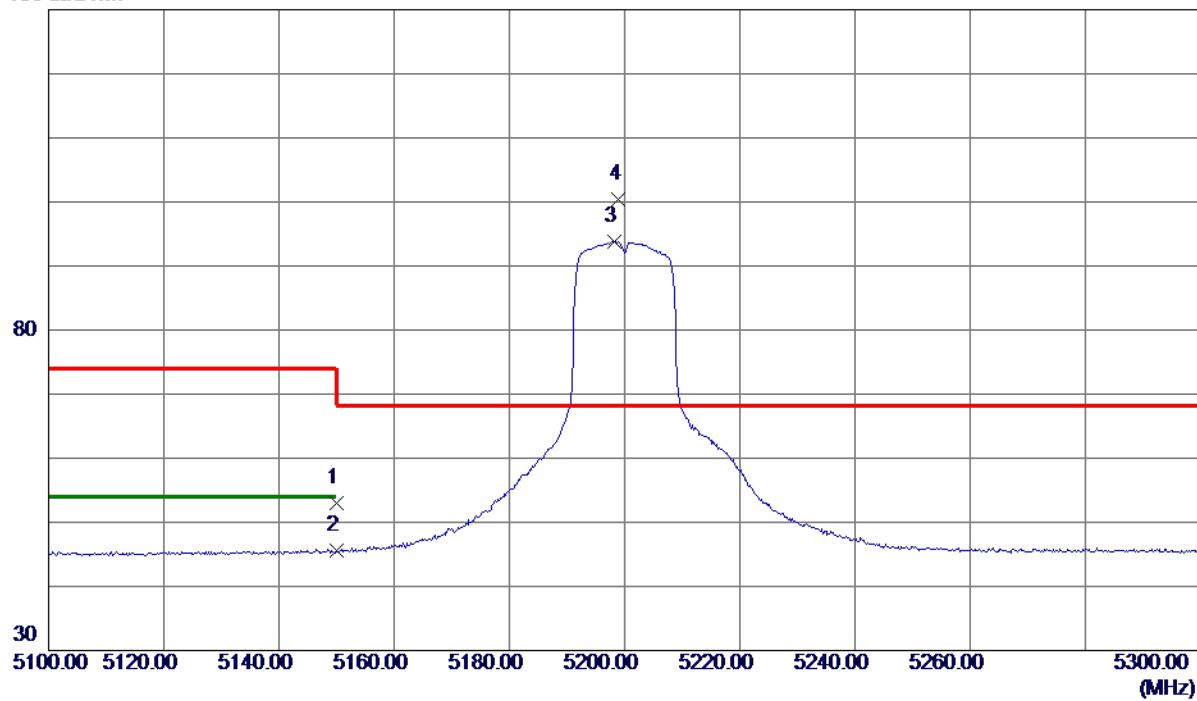
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5200 MHz

Horizontal

130 dBuV/m

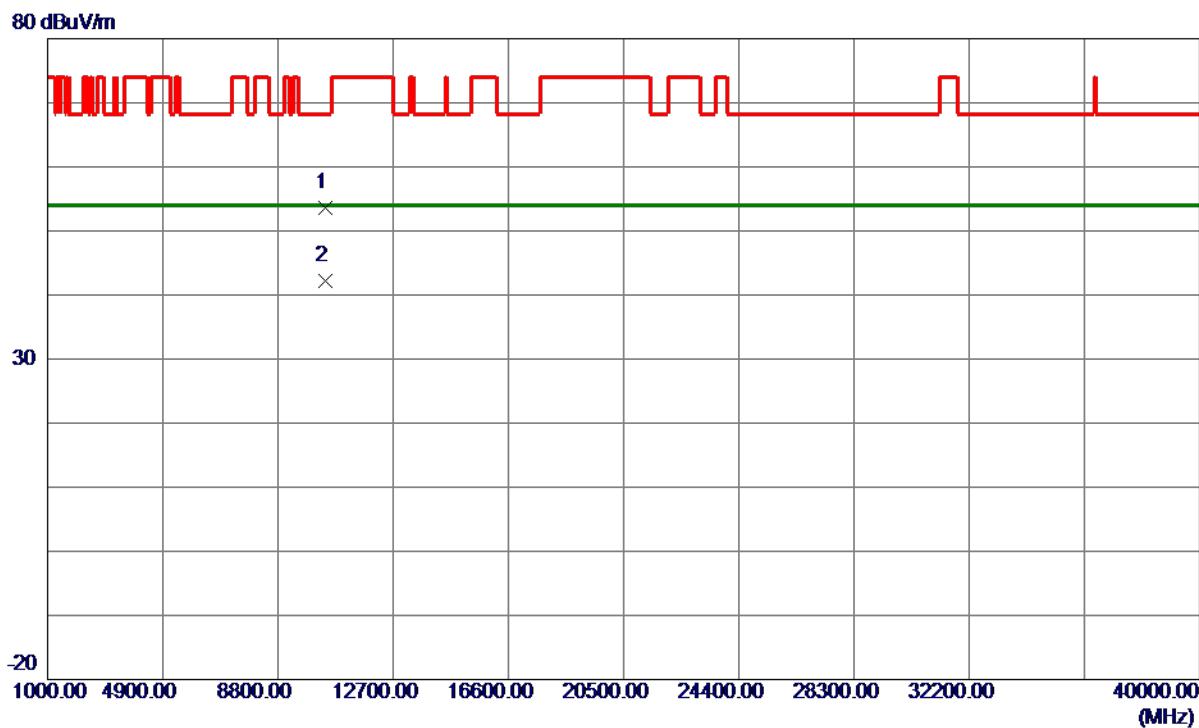


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	33.91	19.18	53.09	74.00	-20.91	Peak	
2	5150.0000	26.37	19.18	45.55	54.00	-8.45	AVG	
3	5198.2000	74.46	19.35	93.81	999.00	-905.19	AVG	No Limit
4 *	5199.0000	81.11	19.36	100.47	68.30	32.17	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5200 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1	10401.4000	33.61	20.08	53.69	68.30	-14.61	Peak	
2 *	10401.4200	22.07	20.08	42.15	54.00	-11.85	AVG	

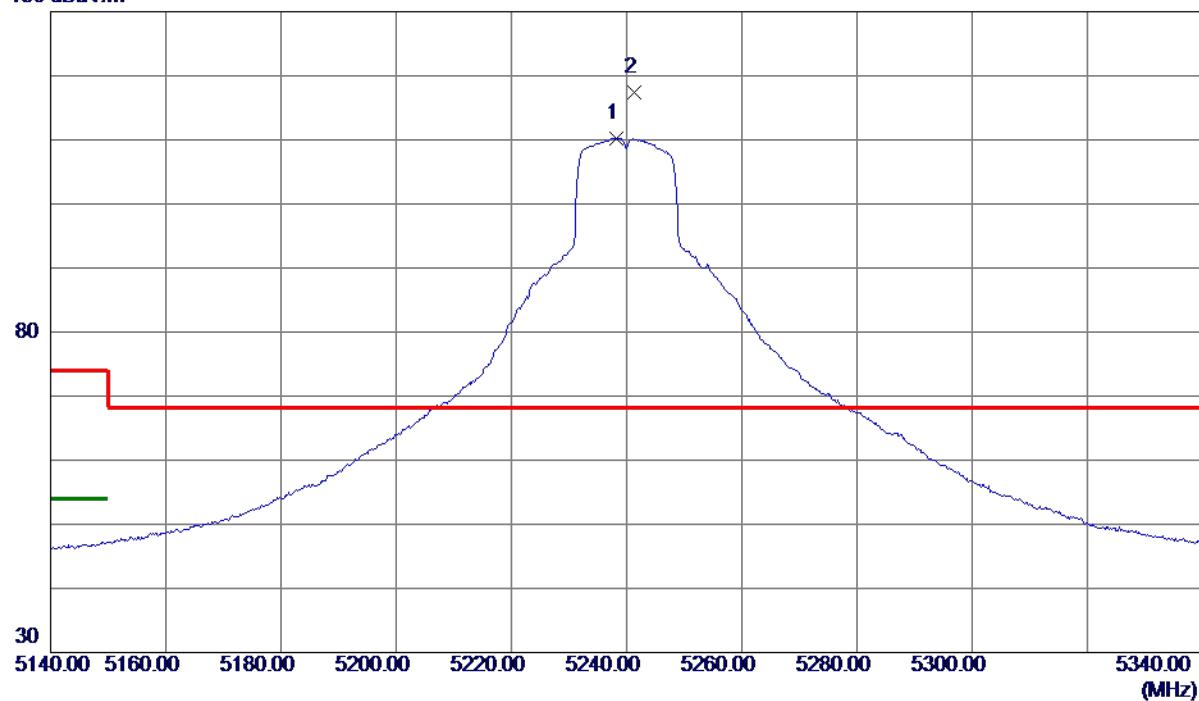
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5240 MHz

Vertical

130 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5238.2000	90.73	19.50	110.23	999.00	-888.77	AVG	No Limit
2 *	5241.4000	97.80	19.51	117.31	68.30	49.01	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5240 MHz

Vertical

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1	10482.4000	45.41	20.32	65.73	68.30	-2.57	Peak	
2 *	10482.4300	33.36	20.32	53.68	54.00	-0.32	AVG	

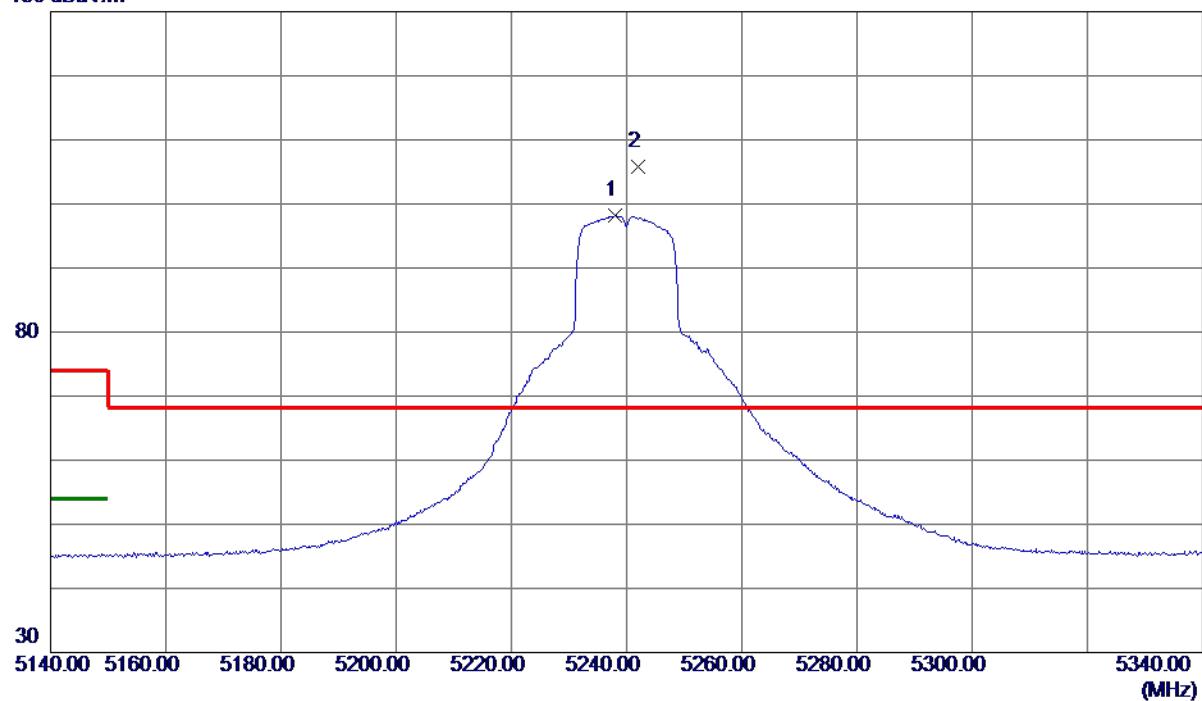
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5240 MHz

Horizontal

130 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5238.0000	78.69	19.50	98.19	999.00	-900.81	AVG	No Limit
2 *	5242.0000	86.32	19.51	105.83	68.30	37.53	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5240 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1	10488.7000	34.23	20.34	54.57	68.30	-13.73	Peak	
2 *	10488.7699	23.34	20.34	43.68	54.00	-10.32	AVG	

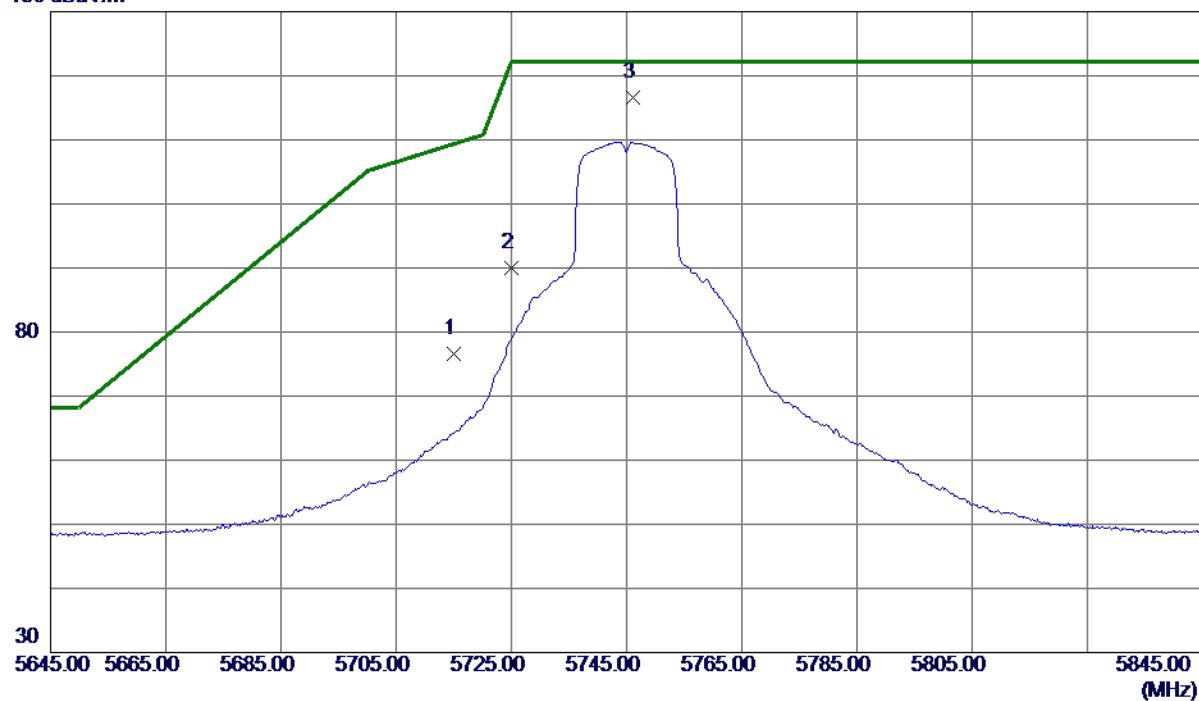
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5745 MHz

Vertical

130 dBuV/m

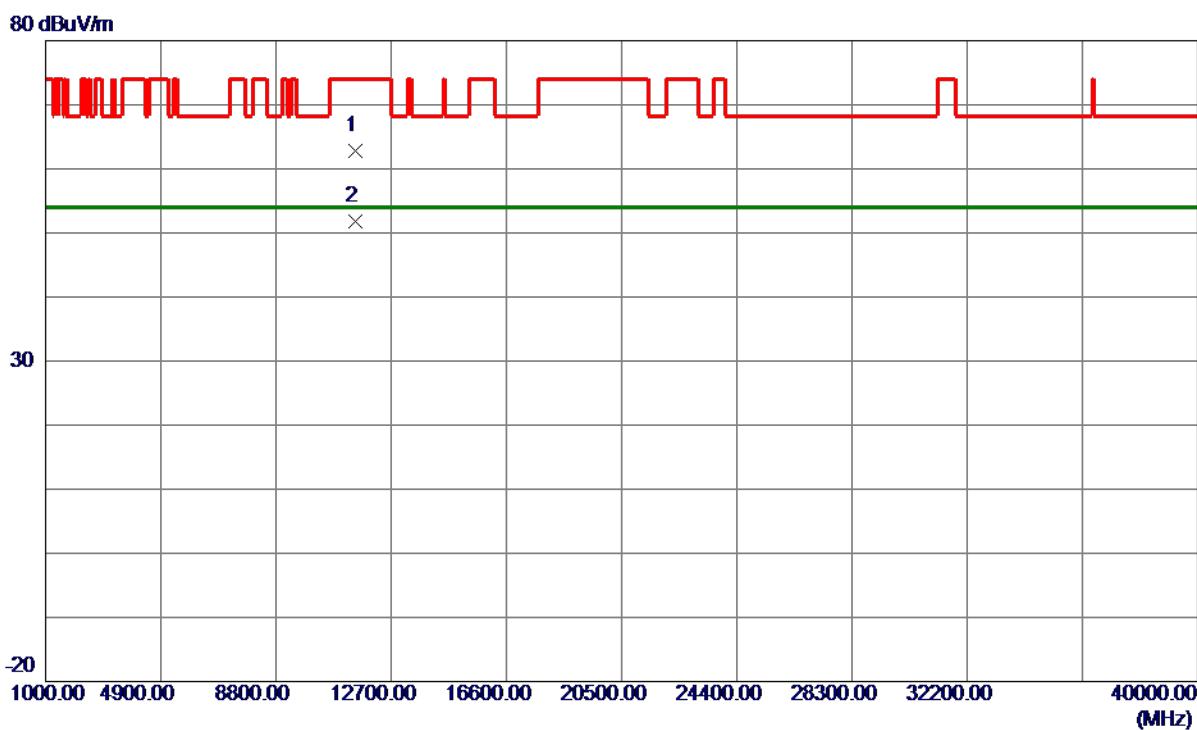


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5715.0000	55.19	21.50	76.69	109.40	-32.71	Peak	
2	5725.0000	68.35	21.55	89.90	122.20	-32.30	Peak	
3 *	5746.2000	95.04	21.65	116.69	122.20	-5.51	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5745 MHz

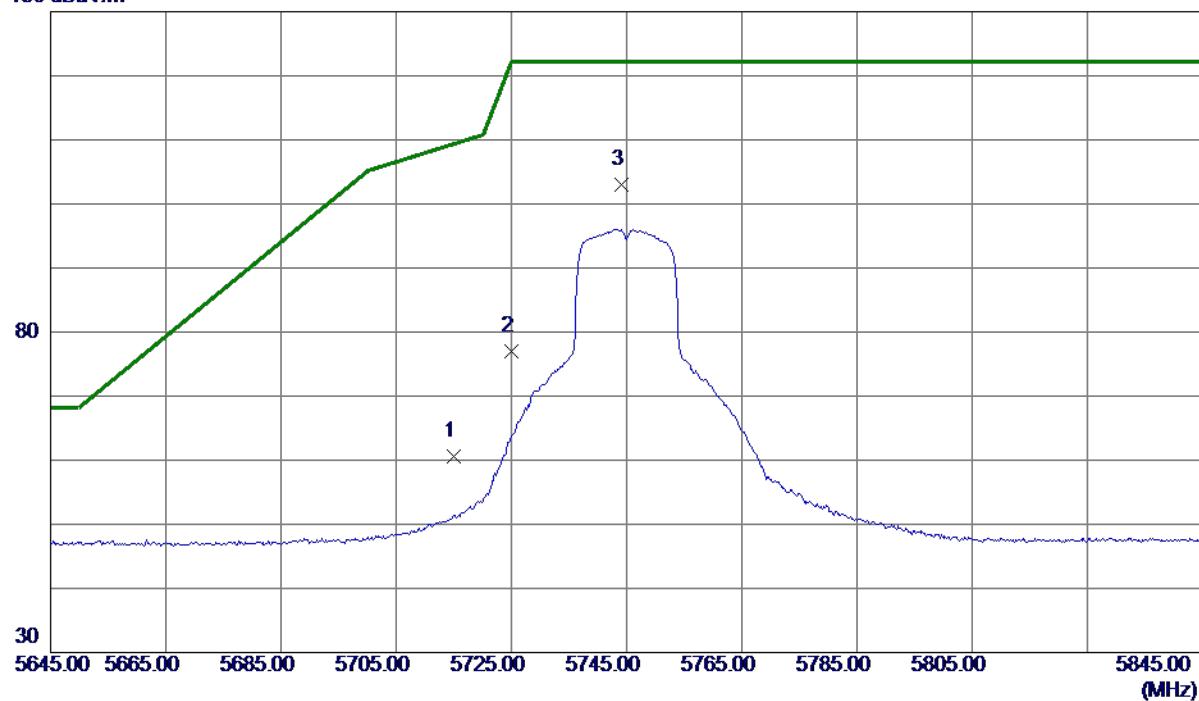
Vertical

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1	11489.0199	43.07	19.71	62.78	74.00	-11.22	Peak	
2 *	11489.7400	32.10	19.71	51.81	54.00	-2.19	AVG	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5745 MHz

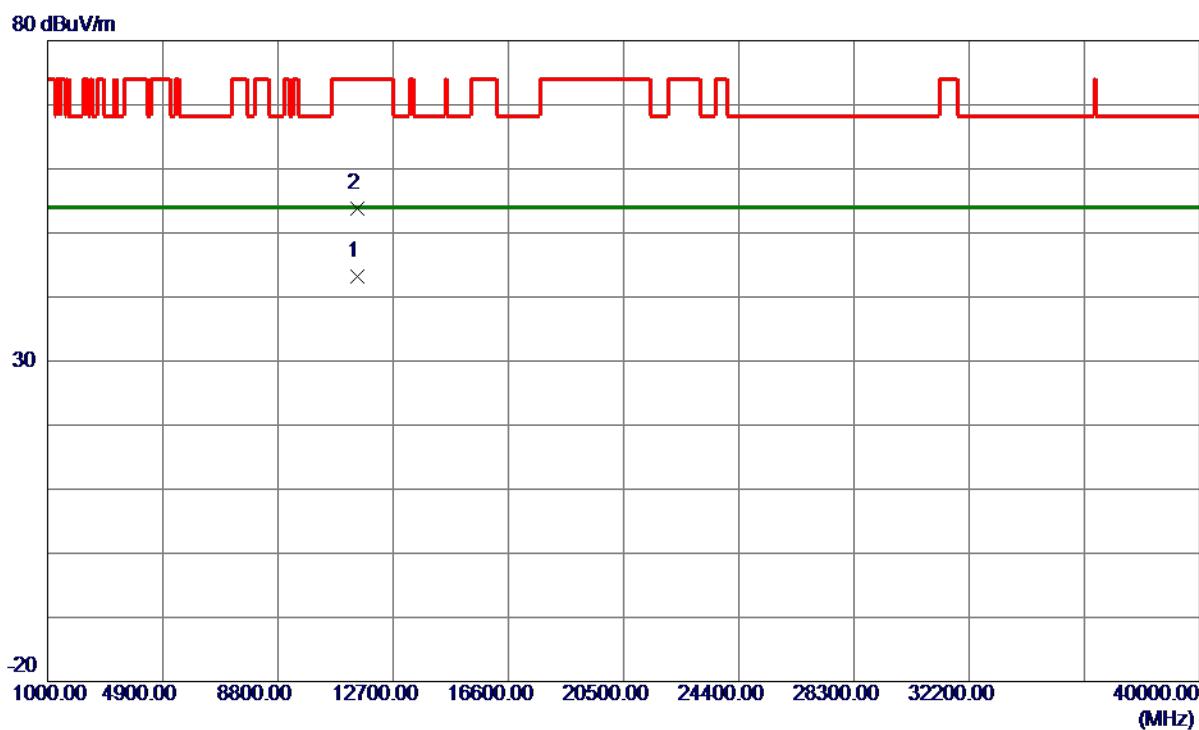
Horizontal**130 dBuV/m**

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5715.0000	39.12	21.50	60.62	109.40	-48.78	Peak	
2	5725.0000	55.43	21.55	76.98	122.20	-45.22	Peak	
3 *	5744.2000	81.43	21.64	103.07	122.20	-19.13	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5745 MHz

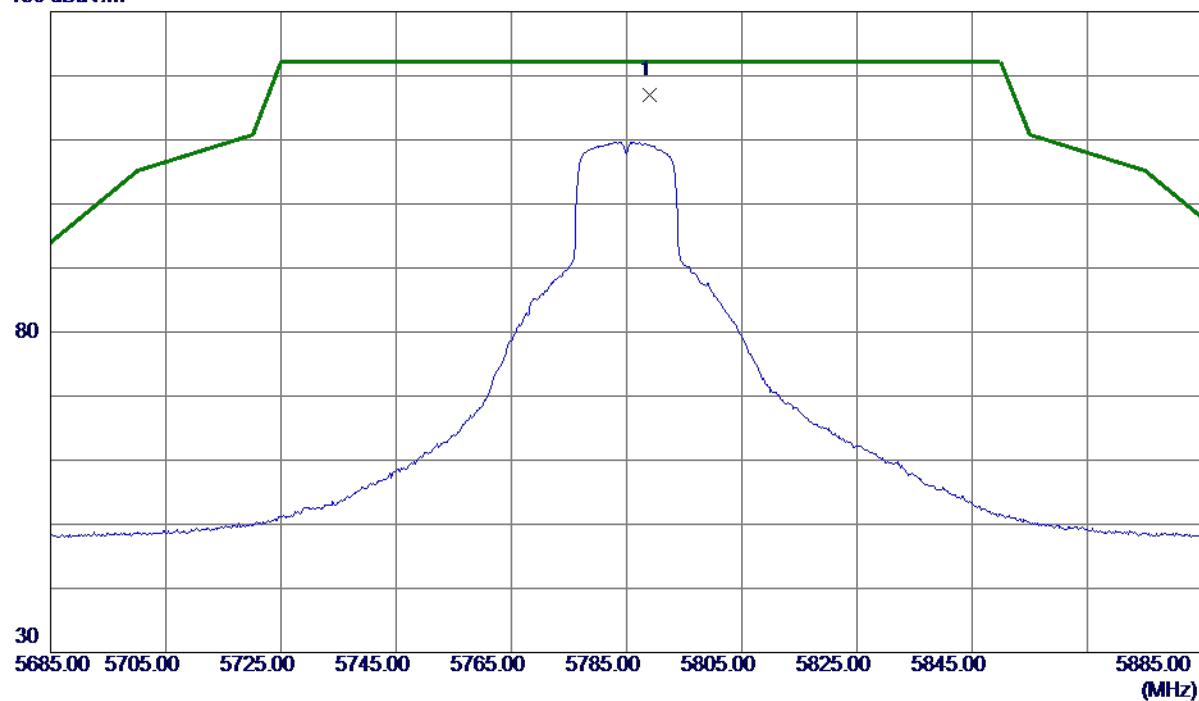
Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	11489.9500	23.47	19.70	43.17	54.00	-10.83	AVG	
2	11493.6000	34.01	19.70	53.71	74.00	-20.29	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5785 MHz

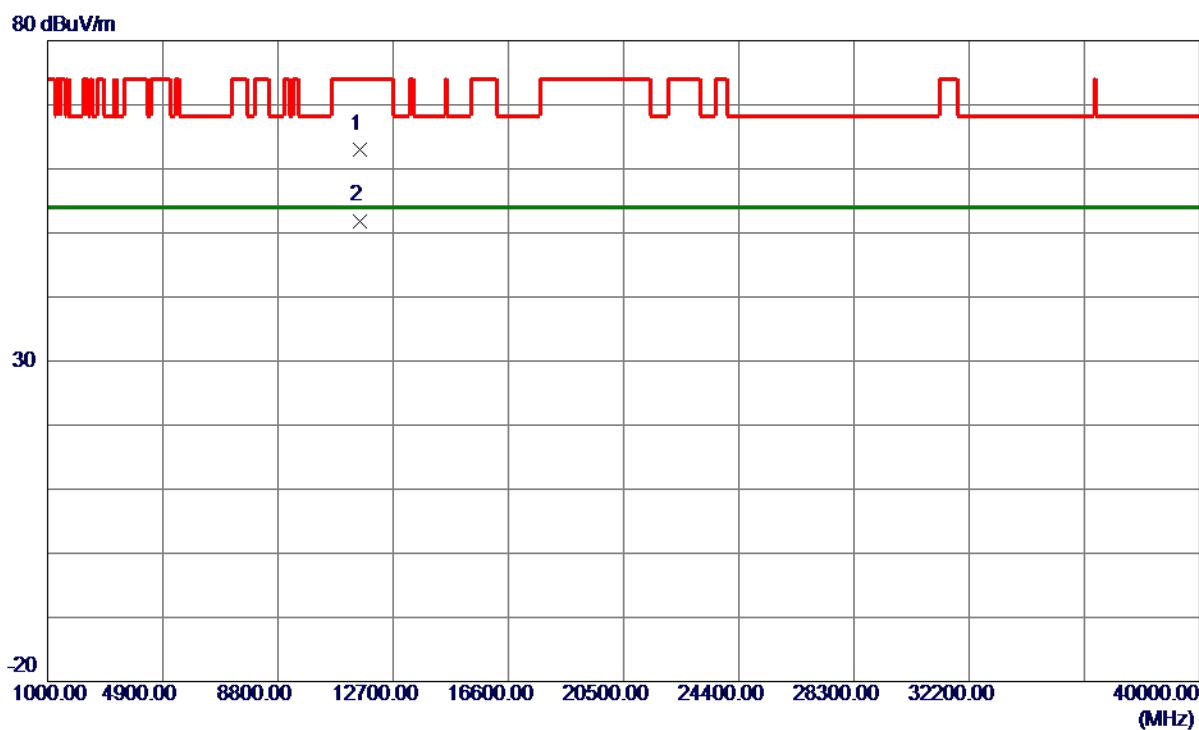
Vertical**130 dBuV/m**

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5789.0000	95.07	21.86	116.93	122.20	-5.27	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5785 MHz

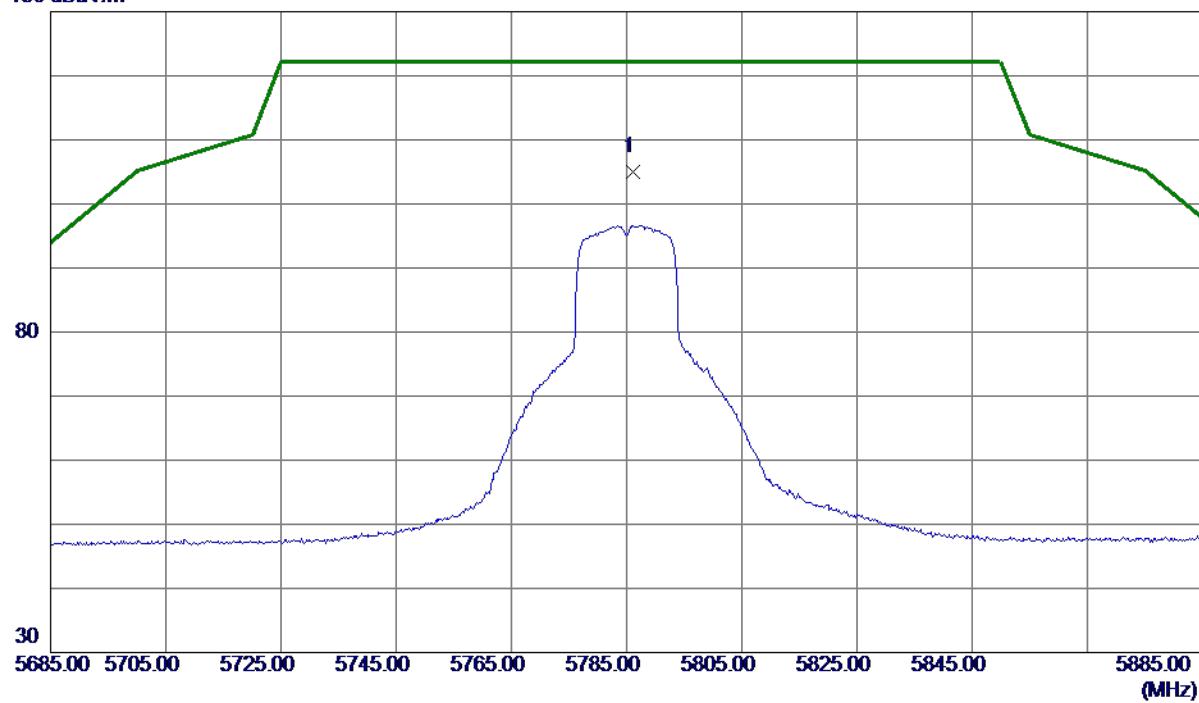
Vertical

No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	11569.4400	43.51	19.49	63.00	74.00	-11.00	Peak	
2 *	11569.8800	32.41	19.49	51.90	54.00	-2.10	AVG	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5785 MHz

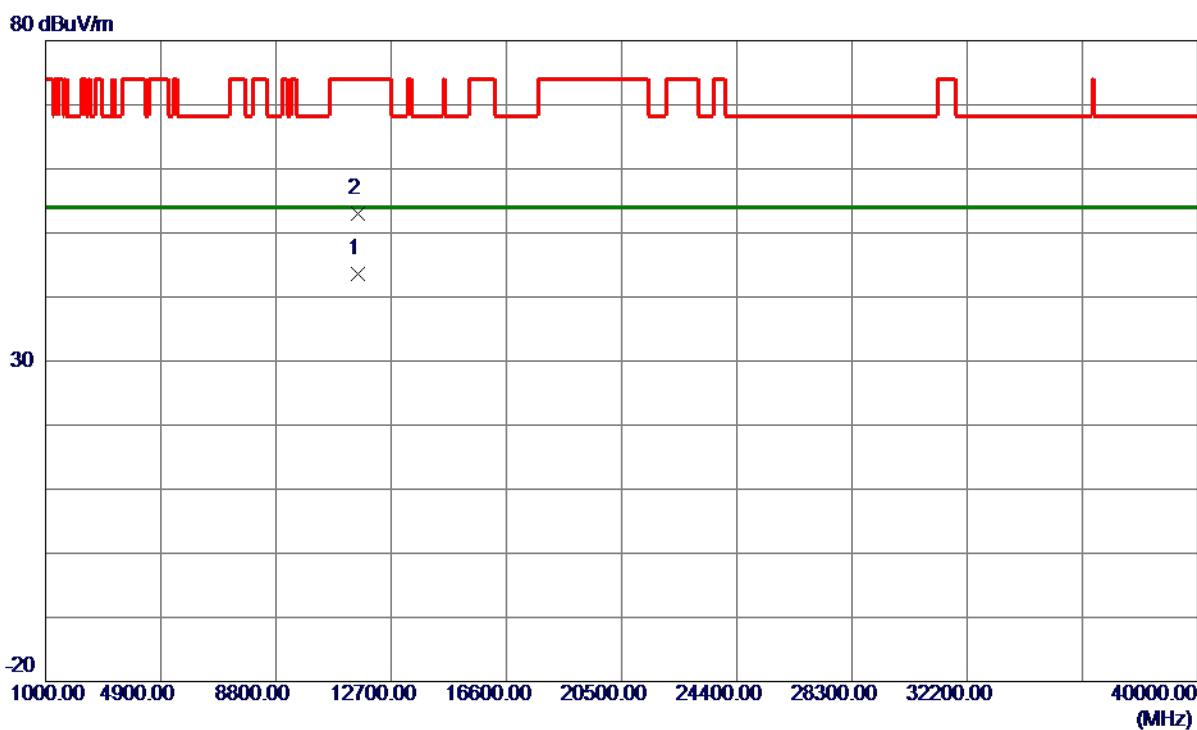
Horizontal**130 dBuV/m**

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment	dBuV/m	dB		
1 *	5786.2000	83.24	21.85	105.09	122.20	-17.11	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5785 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1 *	11569.8500	24.09	19.49	43.58	54.00	-10.42	AVG	
2	11573.4000	33.49	19.48	52.97	74.00	-21.03	Peak	

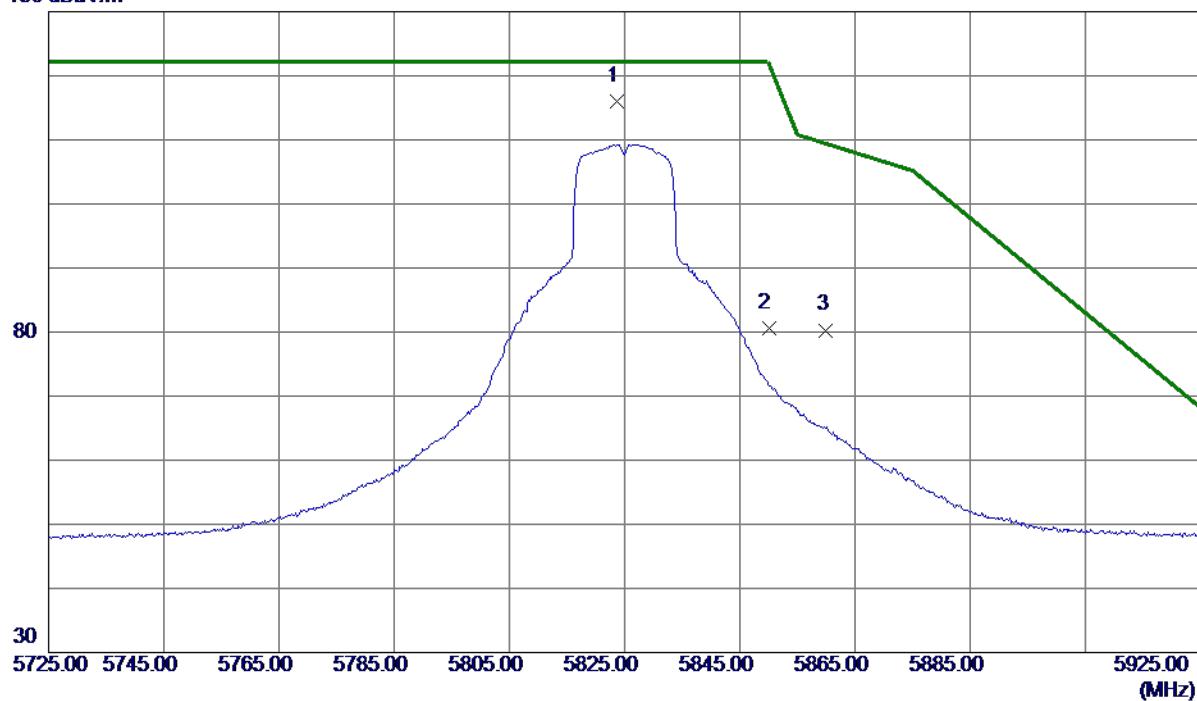
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5825 MHz

Vertical

130 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5823.6000	93.97	22.03	116.00	122.20	-6.20	Peak	No Limit
2	5850.0000	58.51	22.16	80.67	122.20	-41.53	Peak	
3	5860.0000	58.09	22.21	80.30	109.40	-29.10	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5825 MHz

Vertical

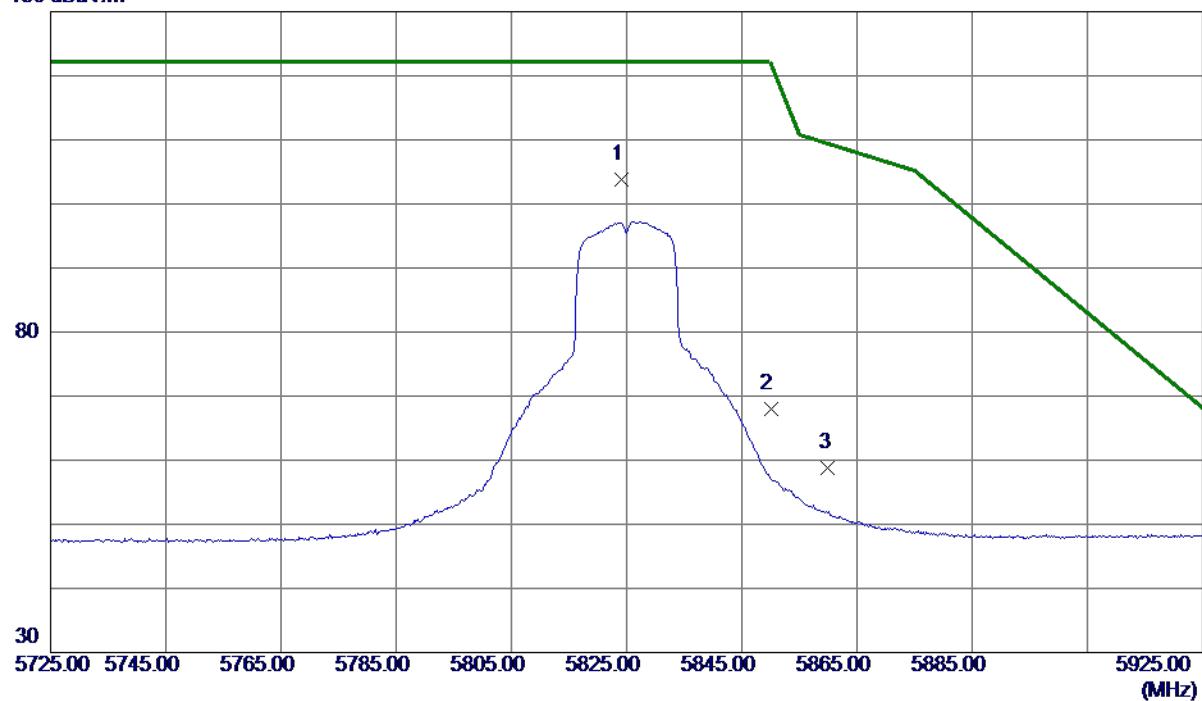


No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	11648.3400	32.29	19.27	51.56	54.00	-2.44	AVG	
2	11649.0199	43.87	19.27	63.14	74.00	-10.86	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5825 MHz

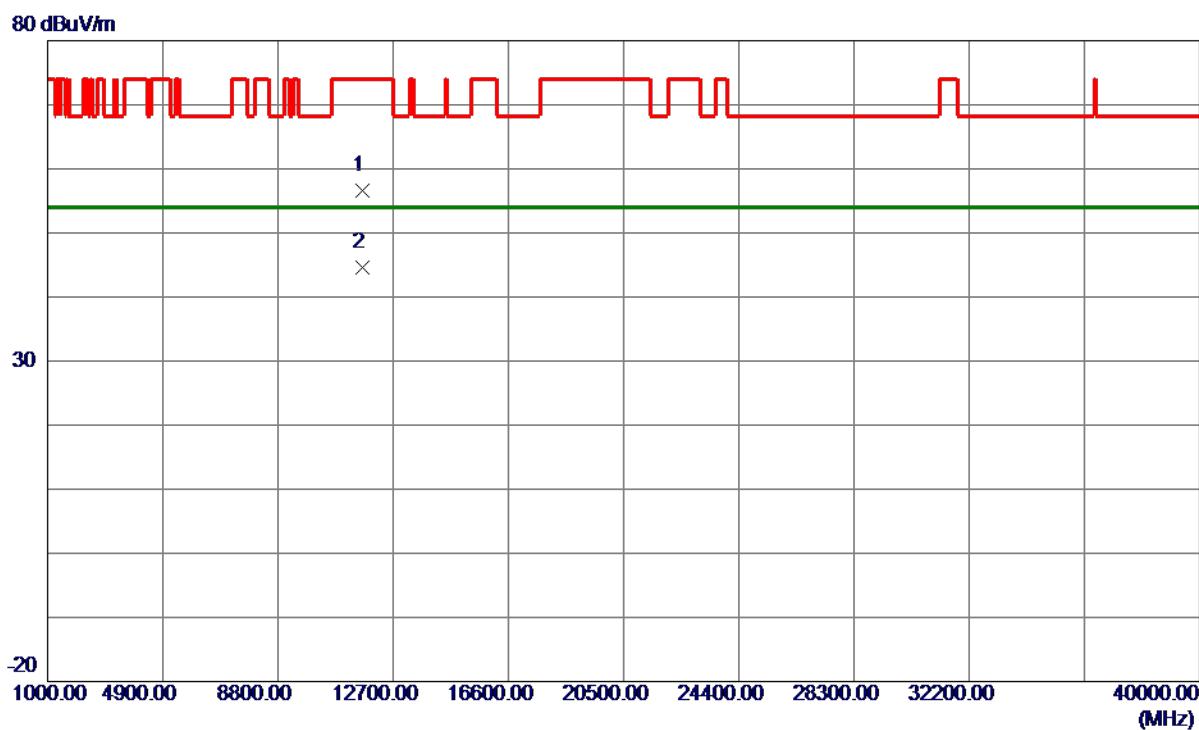
Horizontal**130 dBuV/m**

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment	dBuV/m	dB		
1 *	5824.2000	81.75	22.03	103.78	122.20	-18.42	Peak	No Limit
2	5850.0000	45.81	22.16	67.97	122.20	-54.23	Peak	
3	5860.0000	36.54	22.21	58.75	109.40	-50.65	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX A Mode 5825 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1	11649.1500	37.40	19.27	56.67	74.00	-17.33	Peak	
2 *	11649.6500	25.30	19.27	44.57	54.00	-9.43	AVG	

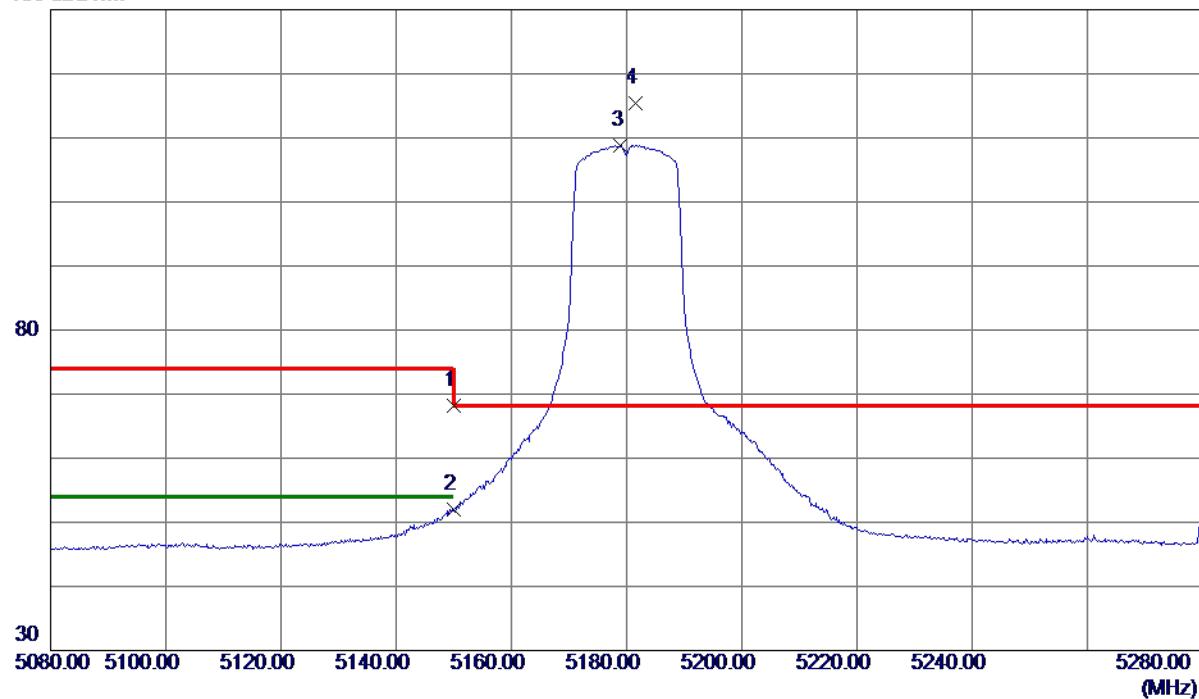
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5180 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	48.96	19.18	68.14	74.00	-5.86	Peak	
2	5150.0000	32.76	19.18	51.94	54.00	-2.06	AVG	
3	5179.0000	89.51	19.28	108.79	999.00	-890.21	AVG	No Limit
4 *	5181.6000	96.17	19.29	115.46	68.30	47.16	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5180 MHz

Vertical



No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1	10360.0000	46.05	19.96	66.01	68.30	-2.29	Peak	
2 *	10360.0000	33.46	19.96	53.42	54.00	-0.58	AVG	

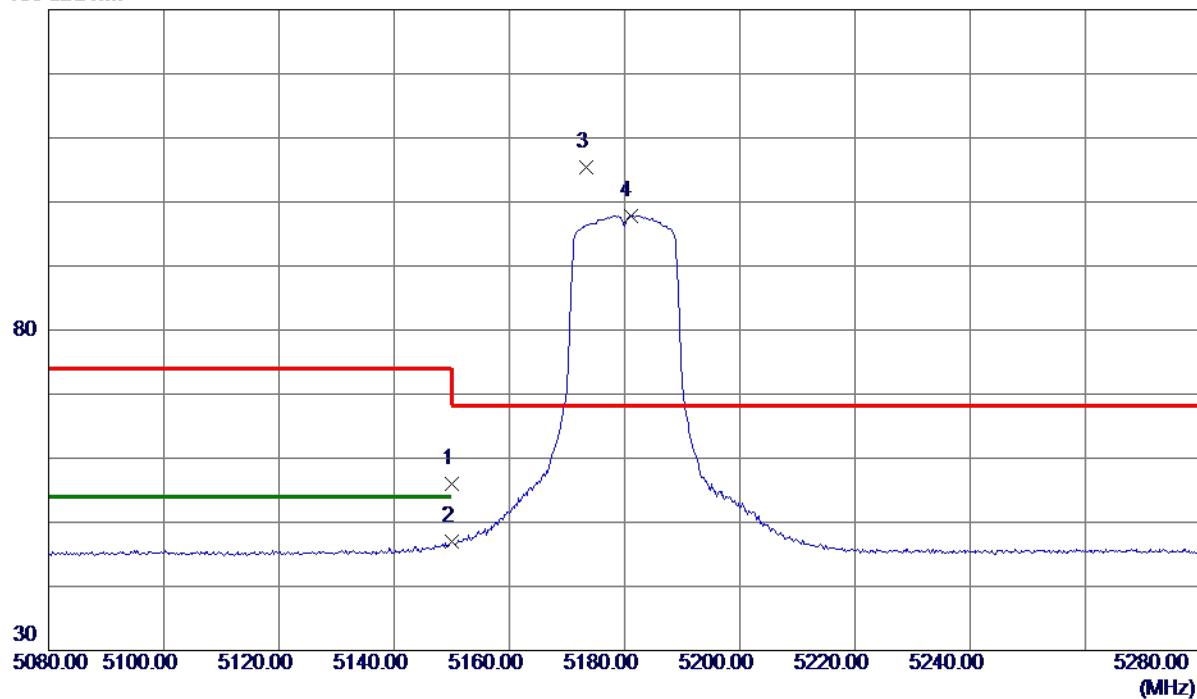
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5180 MHz

Horizontal

130 dBuV/m

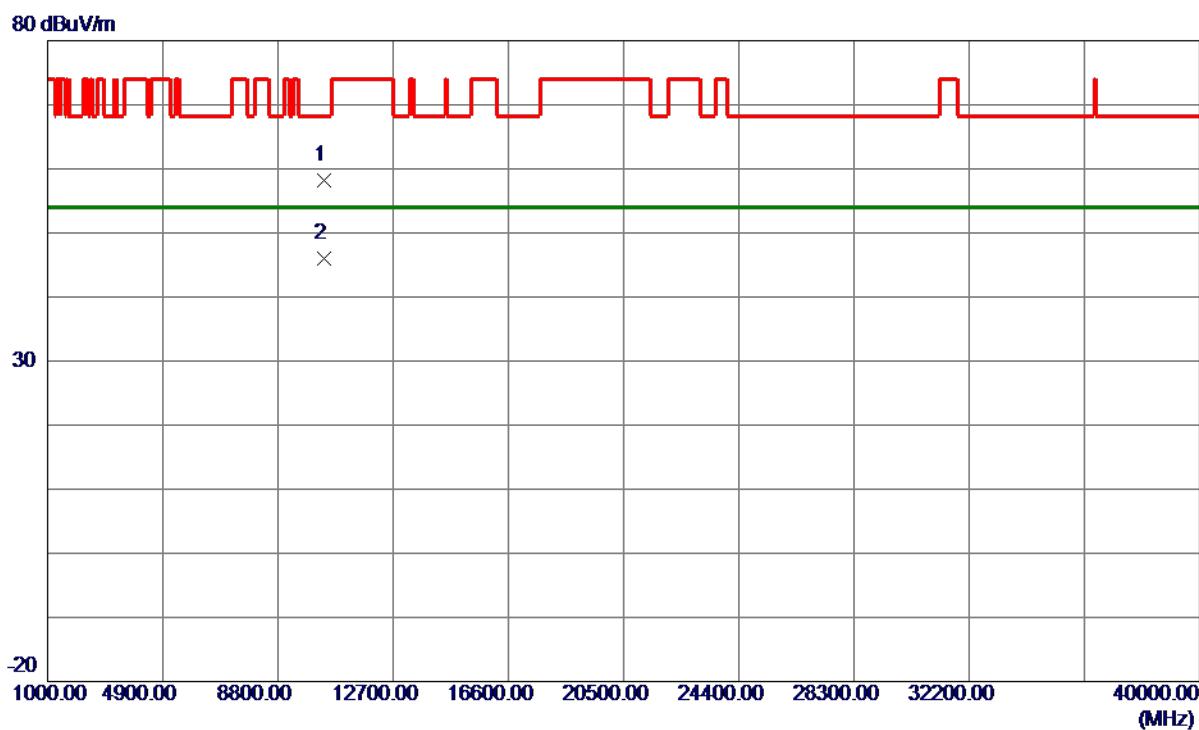


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5150.0000	36.80	19.18	55.98	74.00	-18.02	Peak	
2	5150.0000	27.85	19.18	47.03	54.00	-6.97	AVG	
3 *	5173.4000	86.06	19.26	105.32	68.30	37.02	Peak	No Limit
4	5181.0000	78.58	19.29	97.87	999.00	-901.13	AVG	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5180 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	10360.5000	38.26	19.96	58.22	68.30	-10.08	Peak	
2 *	10360.5100	25.96	19.96	45.92	54.00	-8.08	AVG	

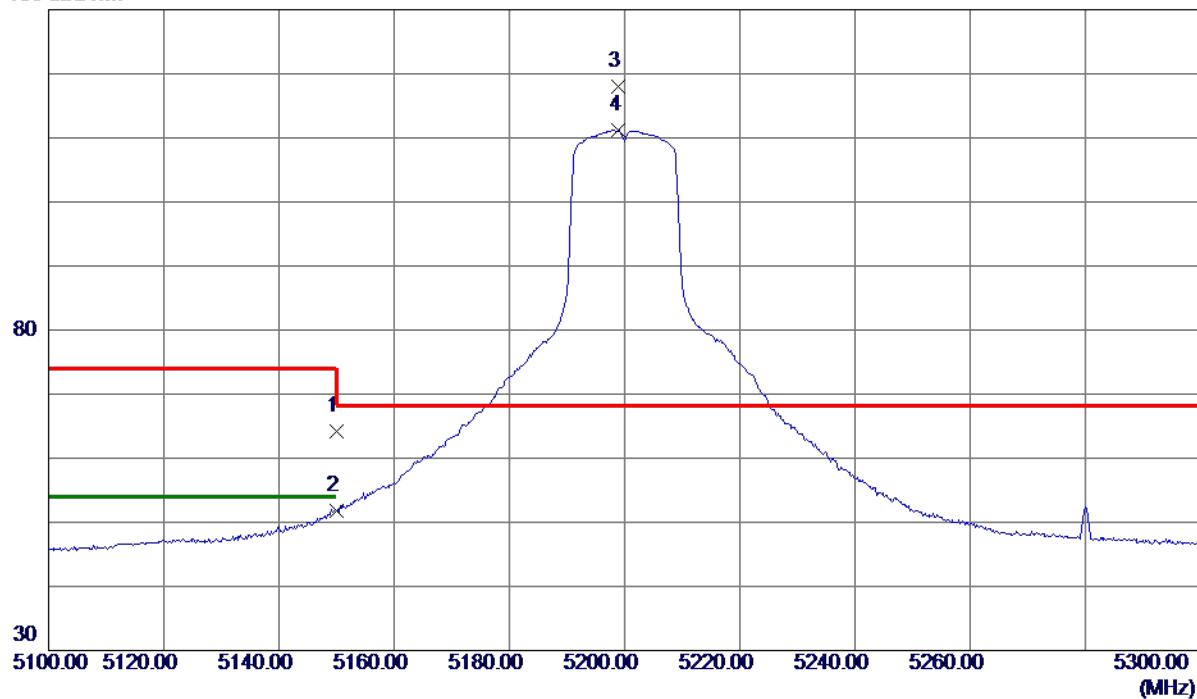
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5200 MHz

Vertical

130 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5150.0000	45.11	19.18	64.29	74.00	-9.71	Peak	
2	5150.0000	32.61	19.18	51.79	54.00	-2.21	AVG	
3 *	5198.8000	98.66	19.36	118.02	68.30	49.72	Peak	No Limit
4	5199.0000	91.85	19.36	111.21	999.00	-887.79	AVG	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5200 MHz

Vertical



No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment	dBuV/m	dB		
1	10400.7000	46.05	20.08	66.13	68.30	-2.17	Peak	
2 *	10400.7400	33.18	20.08	53.26	54.00	-0.74	AVG	

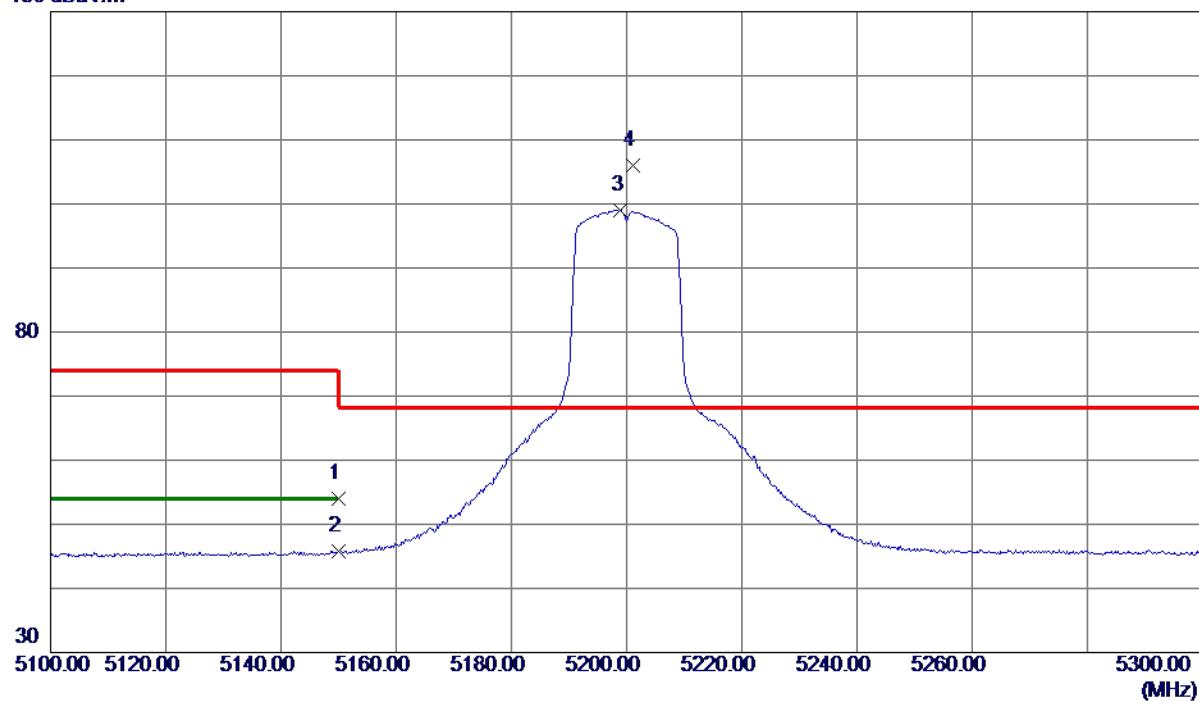
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5200 MHz

Horizontal

130 dBuV/m

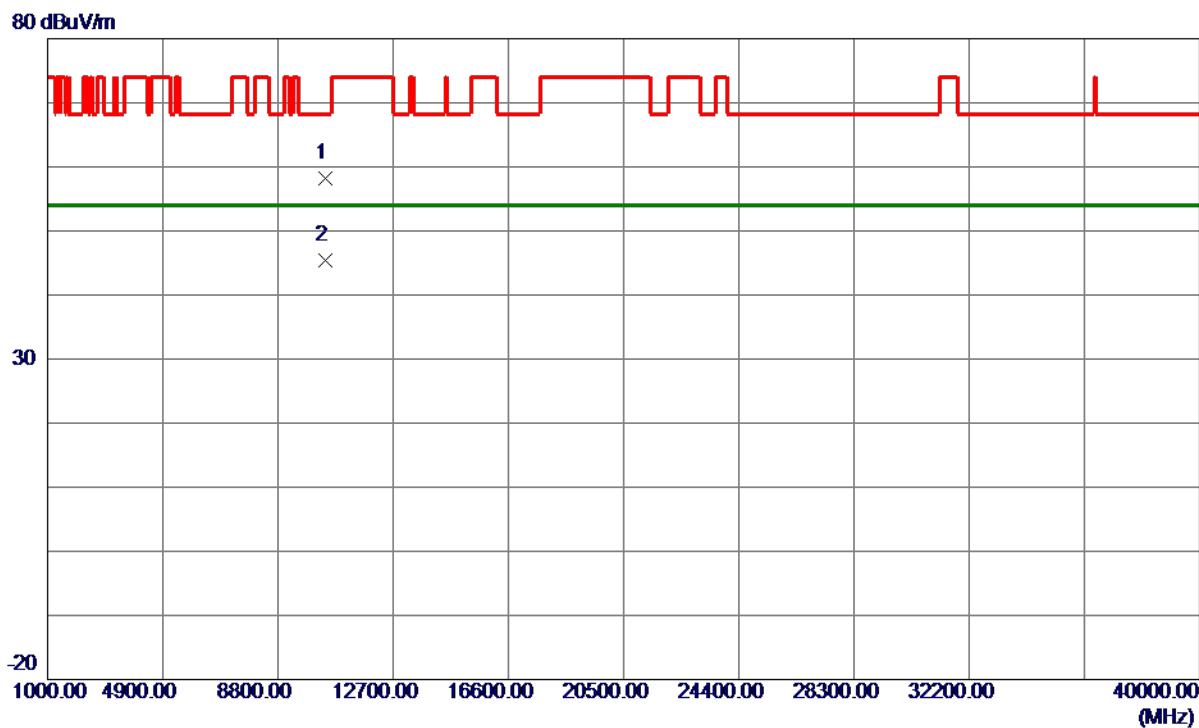


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5150.0000	34.82	19.18	54.00	74.00	-20.00	Peak	
2	5150.0000	26.64	19.18	45.82	54.00	-8.18	AVG	
3	5199.0000	79.68	19.36	99.04	999.00	-899.96	AVG	No Limit
4 *	5201.2000	86.74	19.36	106.10	68.30	37.80	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5200 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	10400.0000	38.04	20.08	58.12	68.30	-10.18	Peak	
2 *	10400.0000	25.26	20.08	45.34	54.00	-8.66	AVG	

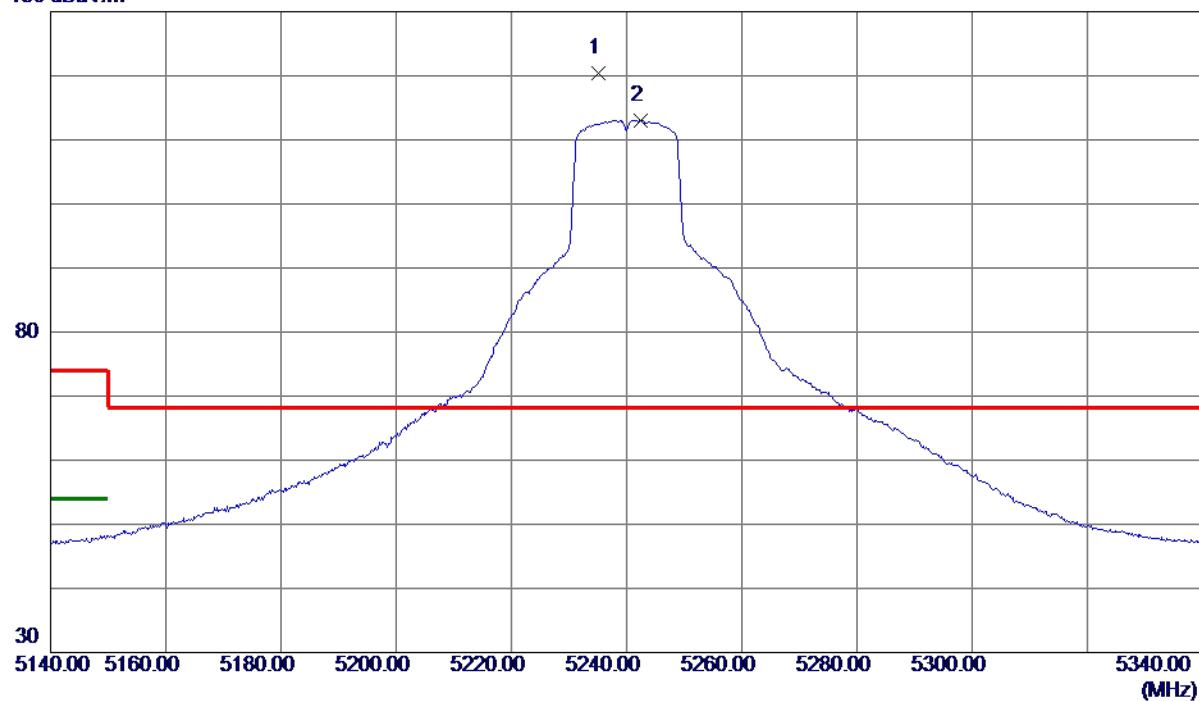
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5240 MHz

Vertical

130 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5235.2000	100.94	19.49	120.43	68.30	52.13	Peak	No Limit
2	5242.4000	93.57	19.51	113.08	999.00	-885.92	AVG	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5240 MHz

Vertical



No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10477.5100	32.31	20.31	52.62	54.00	-1.38	AVG	
2	10477.5500	45.02	20.31	65.33	68.30	-2.97	Peak	

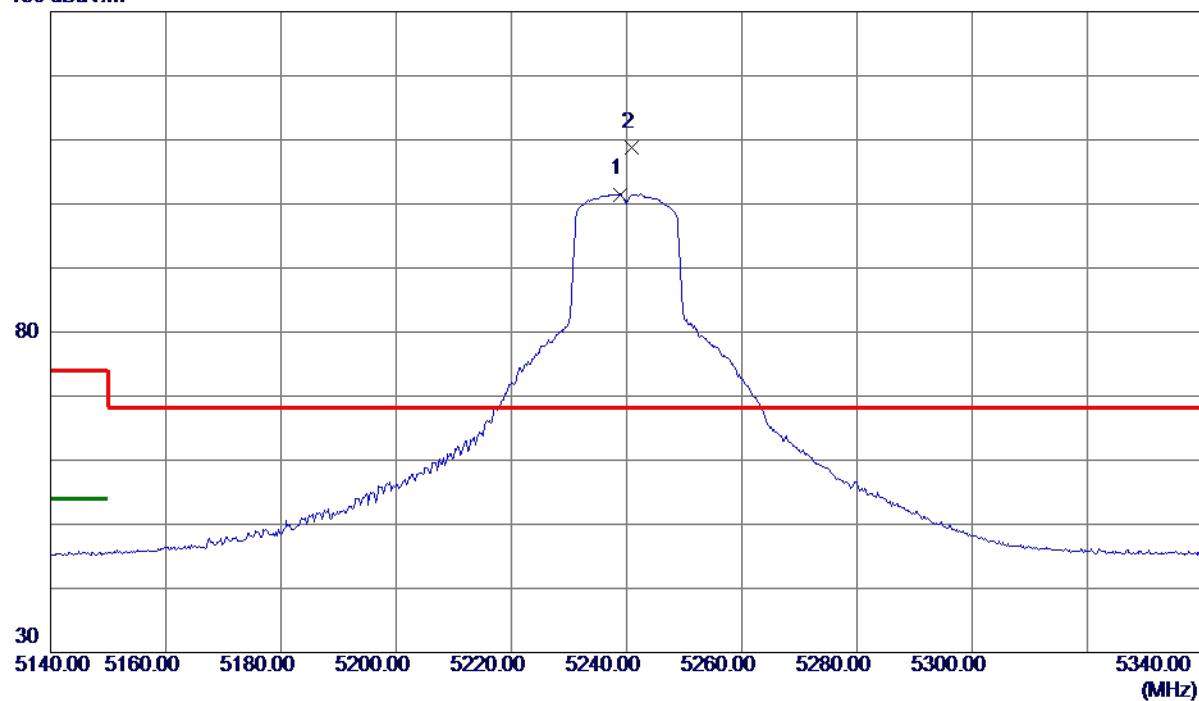
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5240 MHz

Horizontal

130 dBuV/m

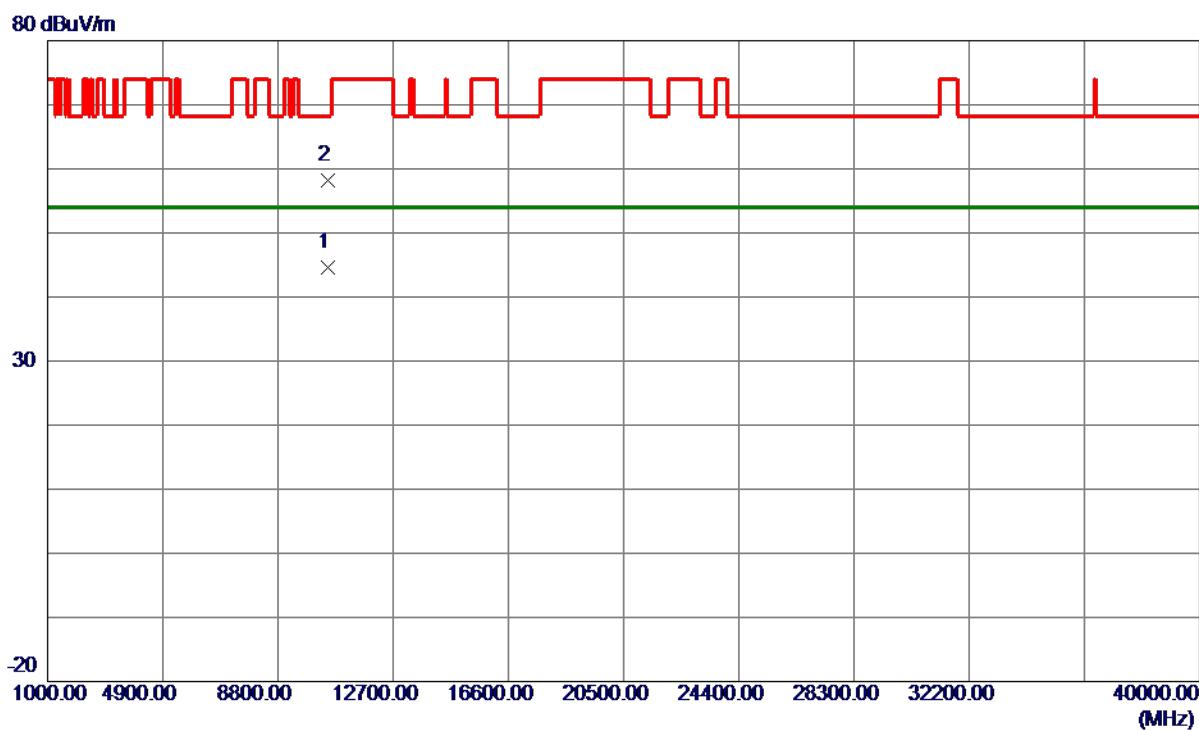


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	5238.8000	82.00	19.50	101.50	999.00	-897.50	AVG
2 *	5240.8000	89.21	19.51	108.72	68.30	40.42	Peak

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT20) Mode 5240 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10485.1500	24.33	20.33	44.66	54.00	-9.34	AVG	
2	10485.2000	37.83	20.33	58.16	68.30	-10.14	Peak	

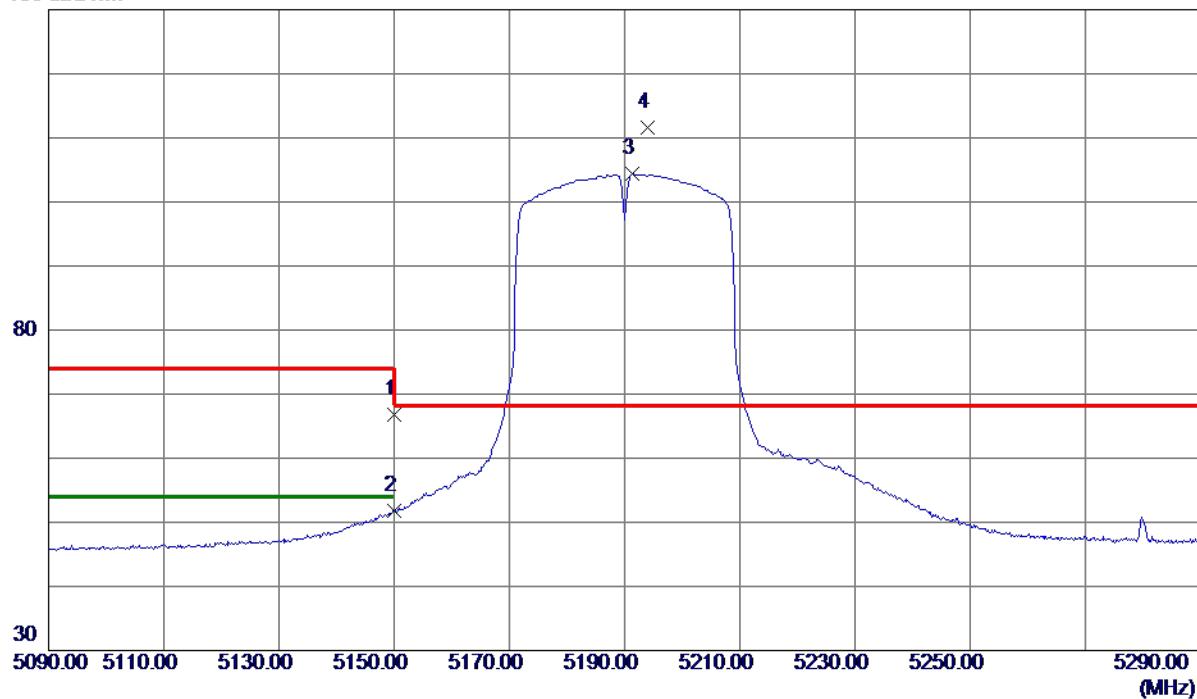
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT40) Mode 5190 MHz

Vertical

130 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5150.0000	47.59	19.18	66.77	74.00	-7.23	Peak	
2	5150.0000	32.70	19.18	51.88	54.00	-2.12	AVG	
3	5191.4000	85.05	19.33	104.38	999.00	-894.62	AVG	No Limit
4 *	5194.0000	92.30	19.34	111.64	68.30	43.34	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT40) Mode 5190 MHz

Vertical

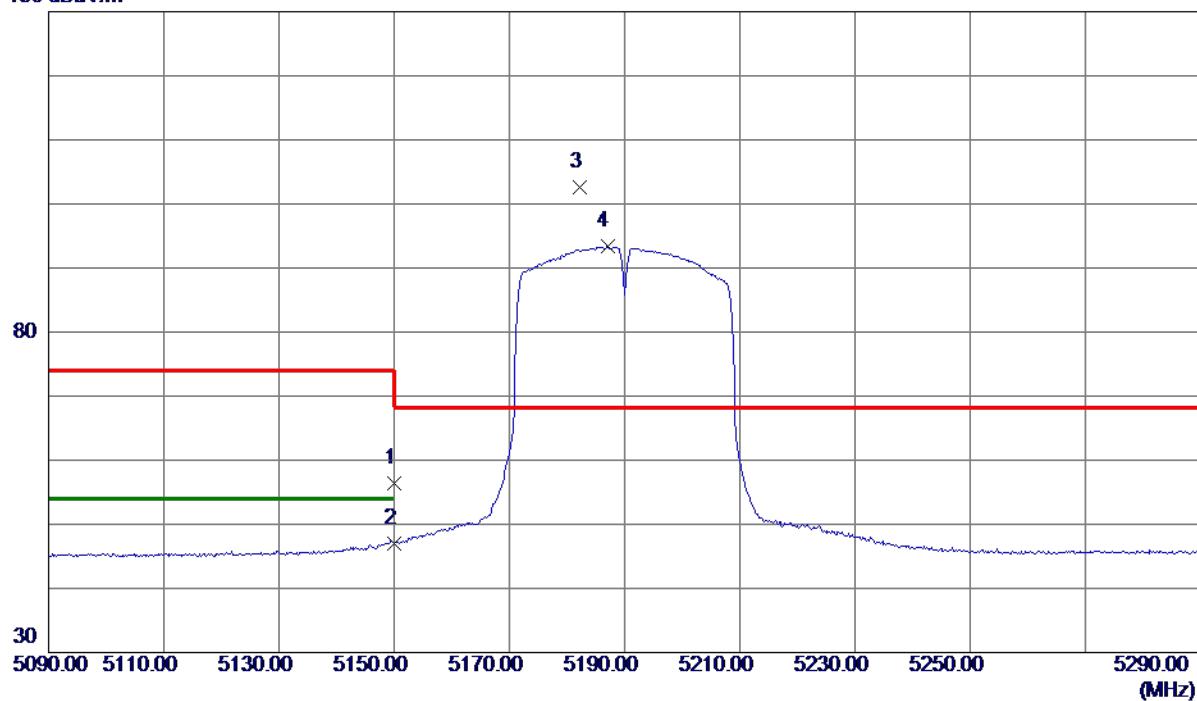


No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment	dBuV/m	dB		
1	10380.1000	45.92	20.02	65.94	68.30	-2.36	Peak	
2 *	10380.1200	32.02	20.02	52.04	54.00	-1.96	AVG	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT40) Mode 5190 MHz

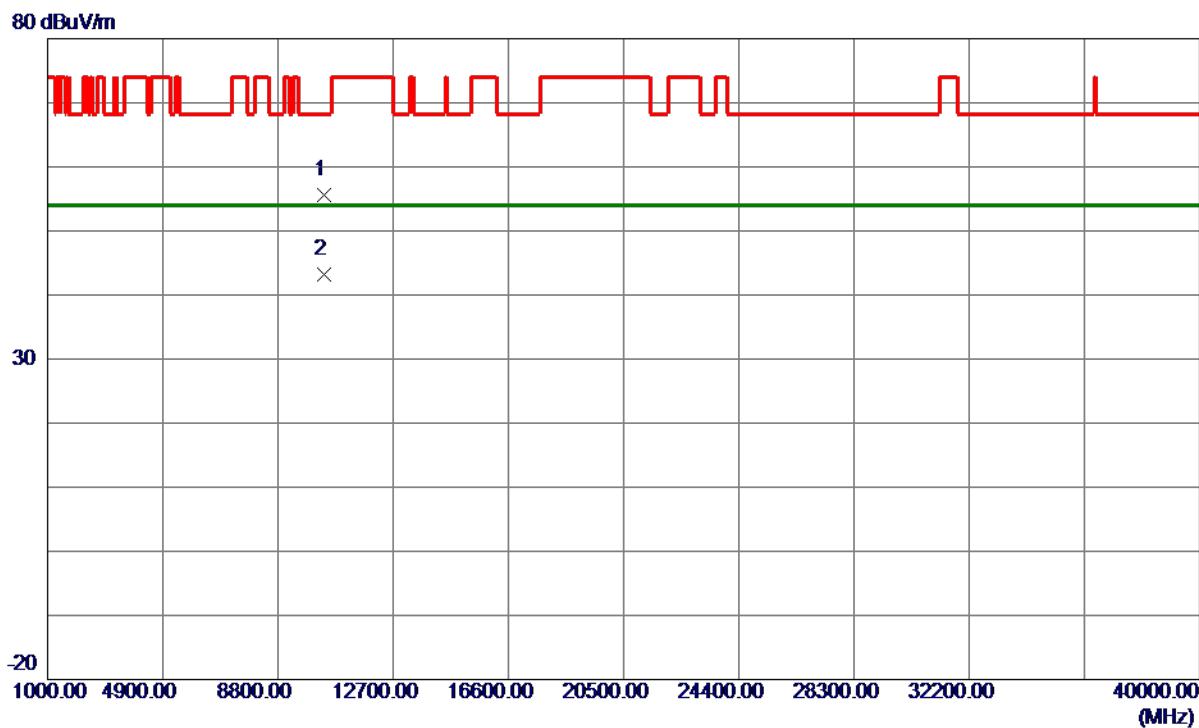
Horizontal**130 dBuV/m**

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	37.15	19.18	56.33	74.00	-17.67	Peak	
2	5150.0000	27.81	19.18	46.99	54.00	-7.01	AVG	
3 *	5182.2000	83.23	19.30	102.53	68.30	34.23	Peak	No Limit
4	5187.0000	74.00	19.31	93.31	999.00	-905.69	AVG	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT40) Mode 5190 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1	10378.0000	35.60	20.01	55.61	68.30	-12.69	Peak	
2 *	10378.0000	23.18	20.01	43.19	54.00	-10.81	AVG	

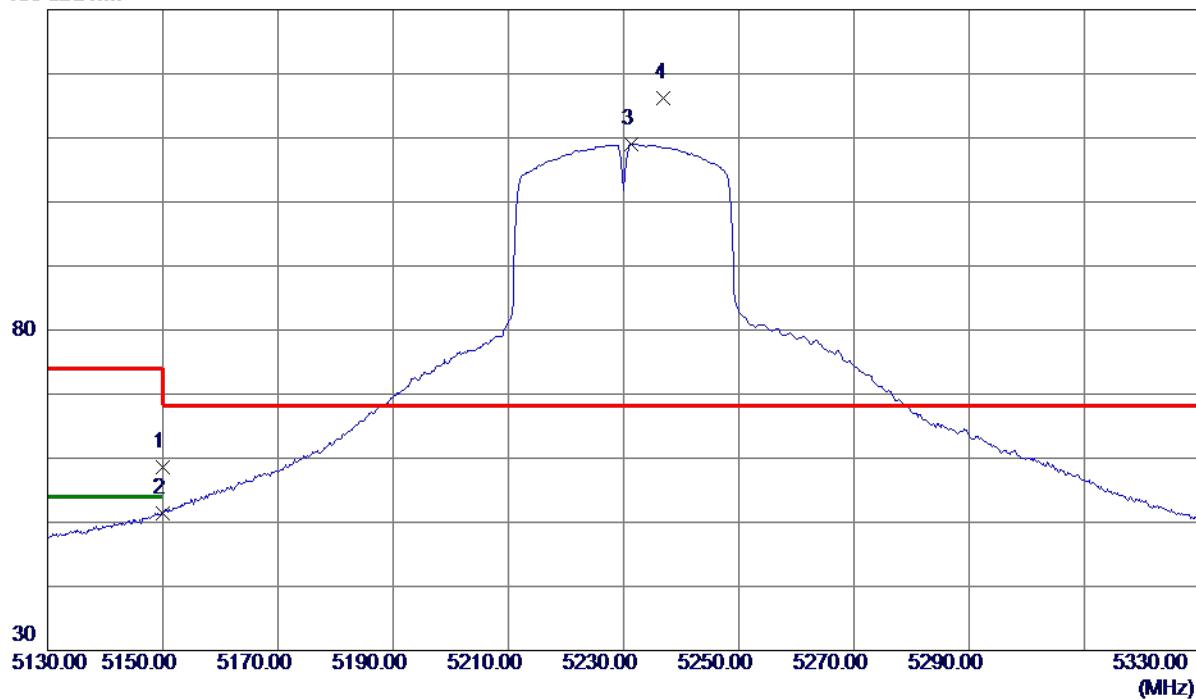
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT40) Mode 5230 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	39.48	19.18	58.66	74.00	-15.34	Peak	
2	5150.0000	32.25	19.18	51.43	54.00	-2.57	AVG	
3	5231.4000	89.57	19.47	109.04	999.00	-889.96	AVG	No Limit
4 *	5237.0000	96.66	19.50	116.16	68.30	47.86	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT40) Mode 5230 MHz

Vertical



No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	10458.3000	46.01	20.25	66.26	68.30	-2.04	Peak	
2 *	10458.3600	33.25	20.25	53.50	54.00	-0.50	AVG	

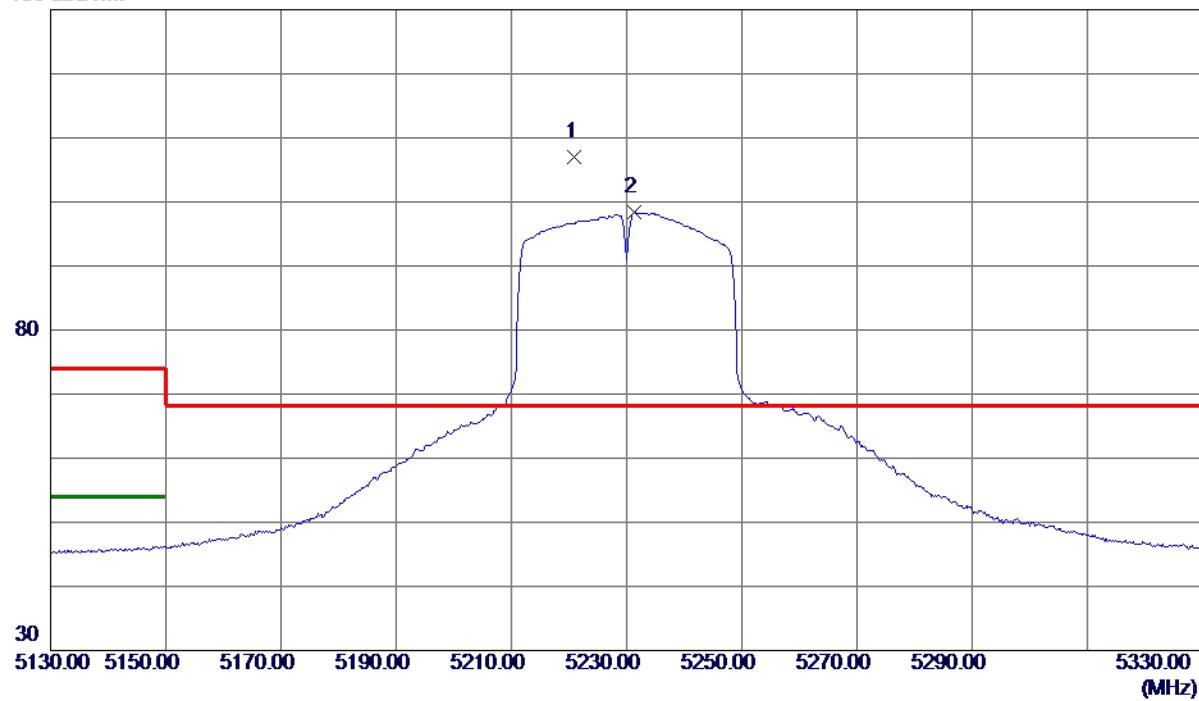
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT40) Mode 5230 MHz

Horizontal

130 dBuV/m

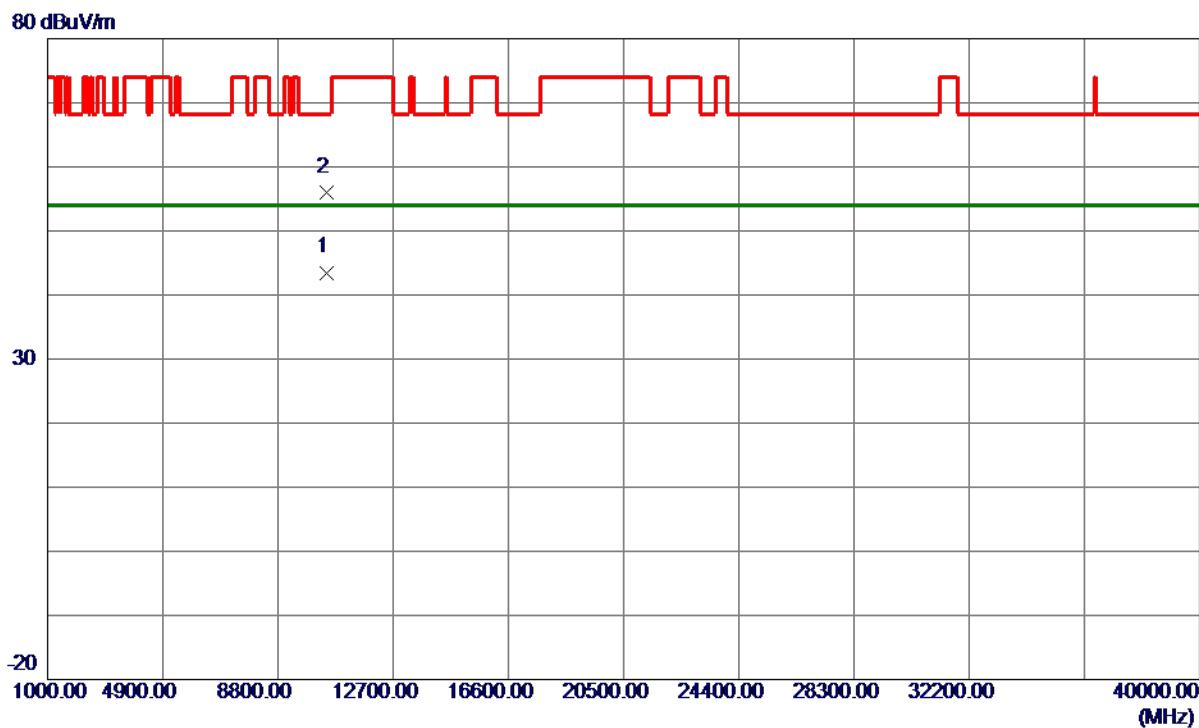


No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5221.000	87.48	19.44	106.92	68.30	38.62	Peak	No Limit
2	5231.400	78.88	19.47	98.35	999.00	-900.65	AVG	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT40) Mode 5230 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10457.8700	23.25	20.25	43.50	54.00	-10.50	AVG	
2	10457.9000	35.84	20.25	56.09	68.30	-12.21	Peak	

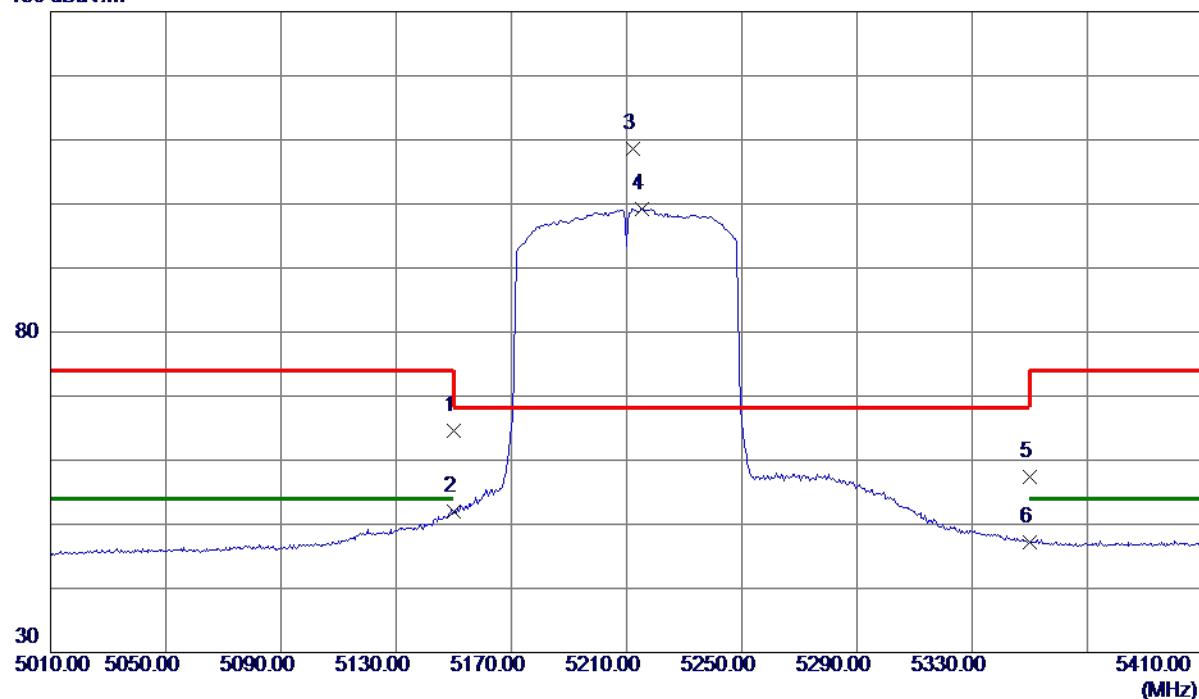
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT80) Mode 5210 MHz

Vertical

130 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5150.0000	45.40	19.18	64.58	74.00	-9.42	Peak	
2	5150.0000	32.80	19.18	51.98	54.00	-2.02	AVG	
3 *	5212.4000	89.20	19.41	108.61	68.30	40.31	Peak	No Limit
4	5215.2000	79.80	19.42	99.22	999.00	-899.78	AVG	No Limit
5	5350.0000	37.45	19.91	57.36	74.00	-16.64	Peak	
6	5350.0000	27.30	19.91	47.21	999.00	-951.79	AVG	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT80) Mode 5210 MHz

Vertical



No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment	dBuV/m	dB		
1	10440.1000	45.38	20.20	65.58	68.30	-2.72	Peak	
2 *	10440.1800	33.20	20.20	53.40	54.00	-0.60	AVG	

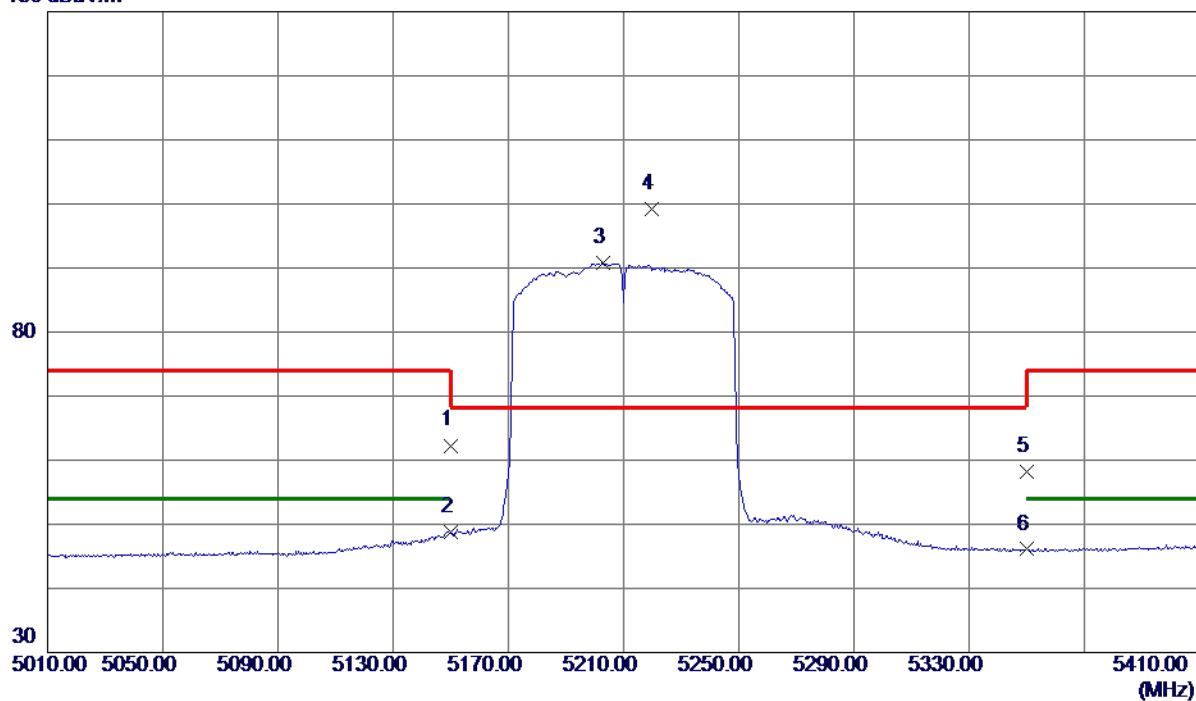
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT80) Mode 5210 MHz

Horizontal

130 dBuV/m

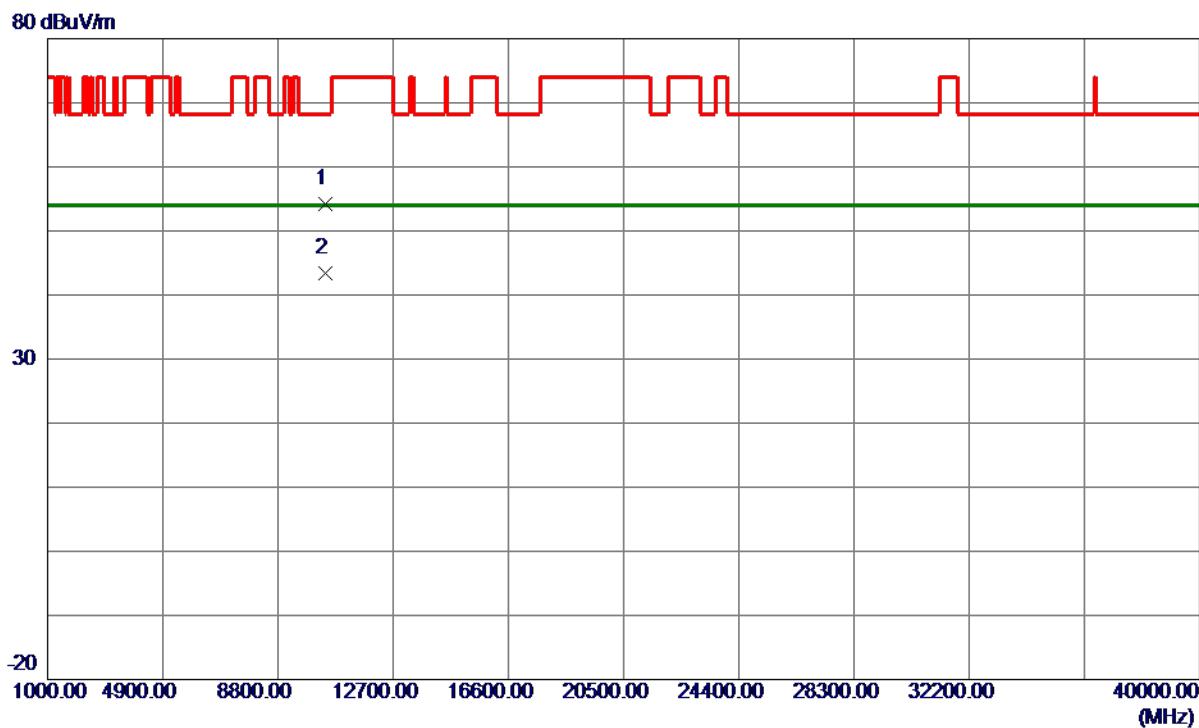


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	43.12	19.18	62.30	74.00	-11.70	Peak	
2	5150.0000	29.58	19.18	48.76	54.00	-5.24	AVG	
3	5202.8000	71.39	19.37	90.76	999.00	-908.24	AVG	No Limit
4 *	5219.6000	79.69	19.43	99.12	68.30	30.82	Peak	No Limit
5	5350.0000	38.37	19.91	58.28	74.00	-15.72	Peak	
6	5350.0000	26.19	19.91	46.10	999.00	-952.90	AVG	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-1_TX AC (VHT80) Mode 5210 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1	10383.9000	34.13	20.03	54.16	68.30	-14.14	Peak	
2 *	10383.9100	23.31	20.03	43.34	54.00	-10.66	AVG	

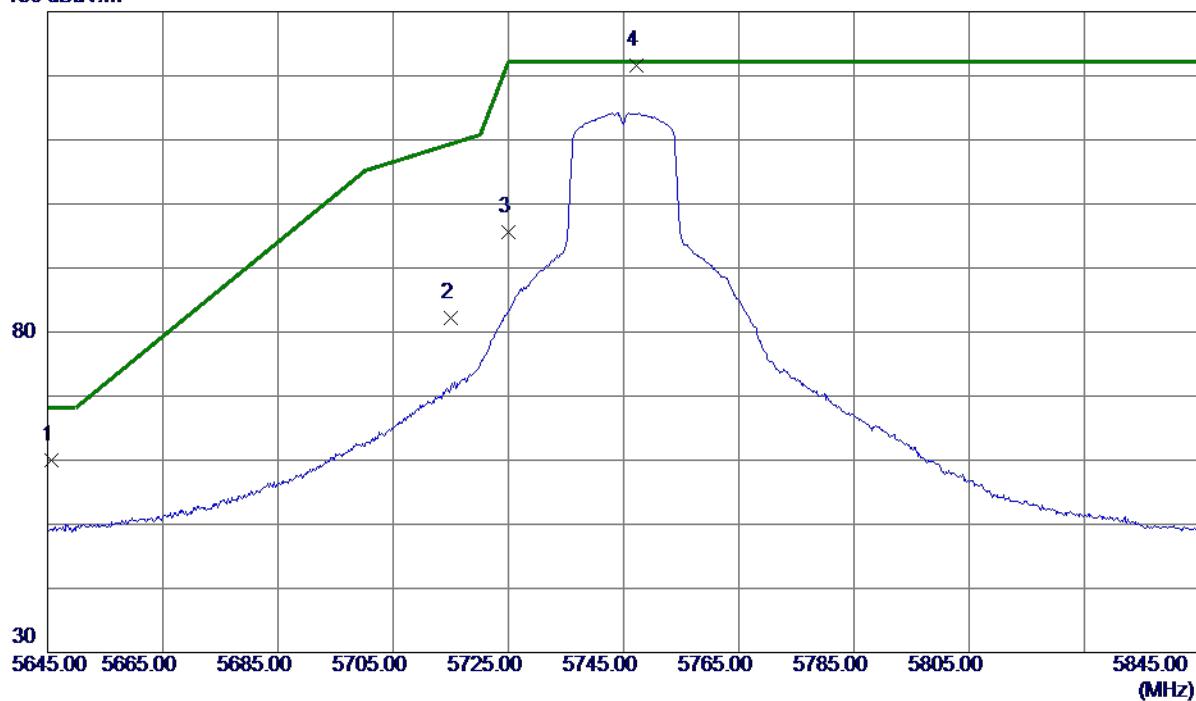
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5745 MHz

Vertical

130 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5645.5600	38.91	21.16	60.07	68.20	-8.13	Peak	
2	5715.0000	60.70	21.50	82.20	109.40	-27.20	Peak	
3	5725.0000	74.08	21.55	95.63	122.20	-26.57	Peak	
4 *	5747.2000	99.85	21.66	121.51	122.20	-0.69	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5745 MHz

Vertical



No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	11489.8800	32.01	19.70	51.71	54.00	-2.29	AVG	
2	11490.4800	45.67	19.70	65.37	74.00	-8.63	Peak	

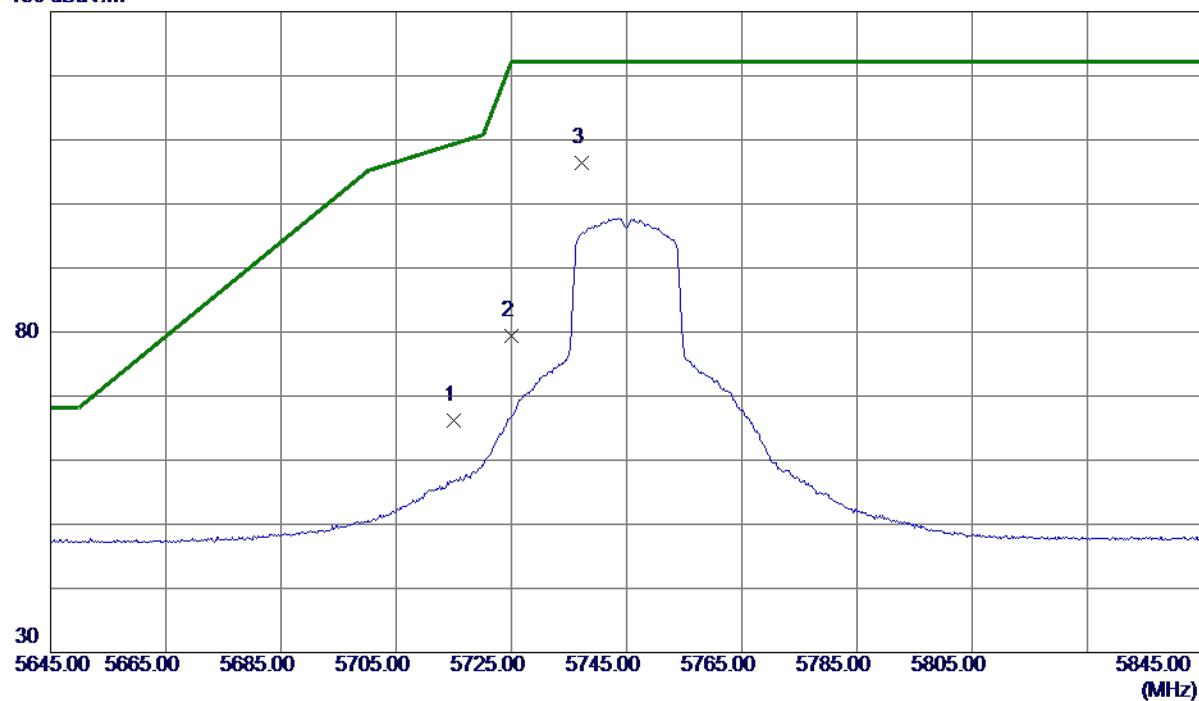
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5745 MHz

Horizontal

130 dBuV/m

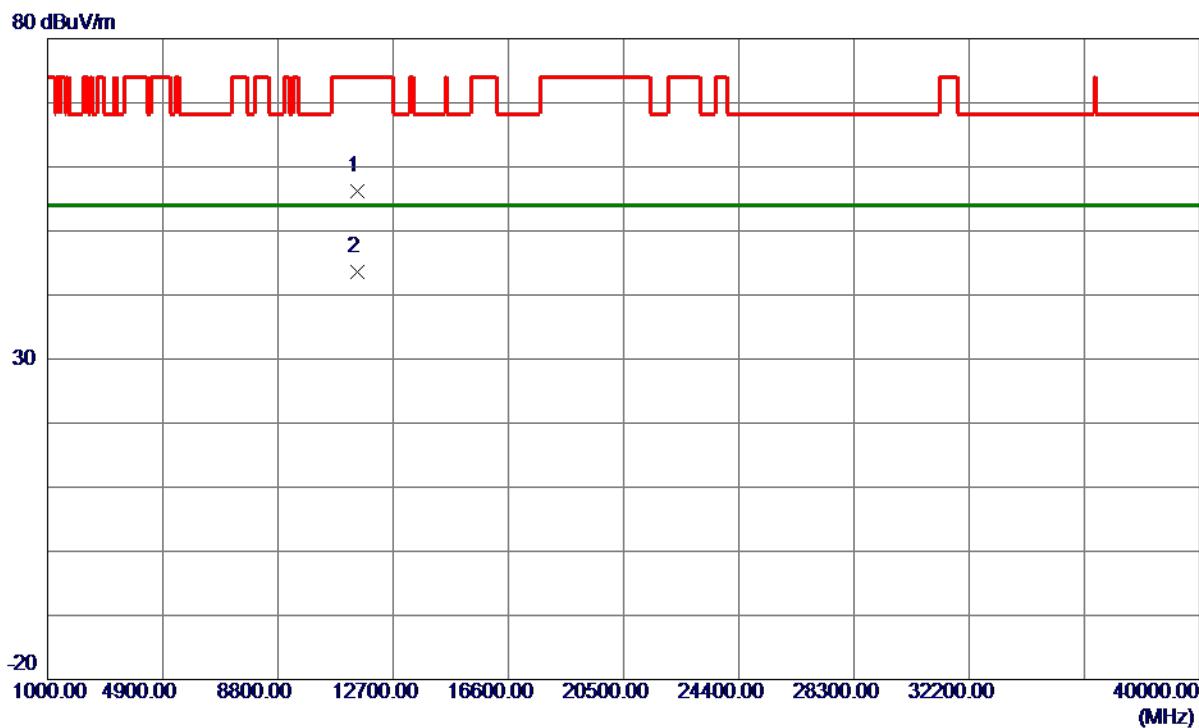


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5715.0000	44.79	21.50	66.29	109.40	-43.11	Peak	
2	5725.0000	57.92	21.55	79.47	122.20	-42.73	Peak	
3 *	5737.2000	84.70	21.61	106.31	122.20	-15.89	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5745 MHz

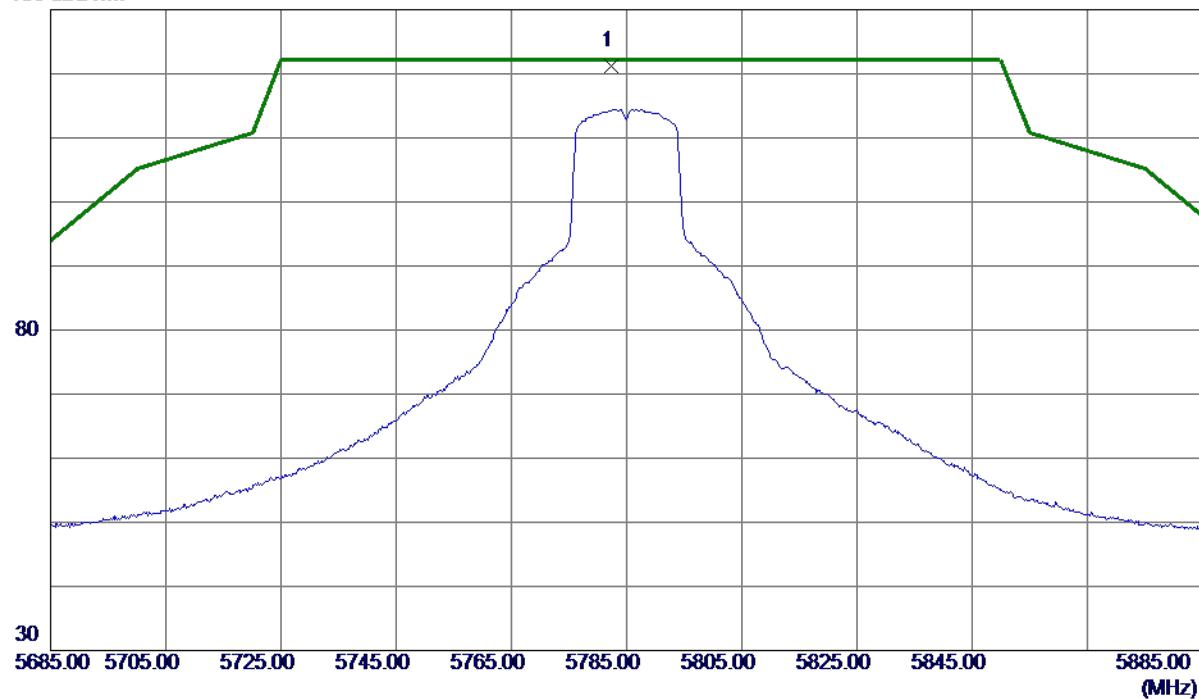
Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	11488.6150	36.50	19.71	56.21	74.00	-17.79	Peak	
2 *	11489.9349	23.89	19.70	43.59	54.00	-10.41	AVG	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5785 MHz

Vertical**130 dBuV/m**

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5782.4000	99.44	21.83	121.27	122.20	-0.93	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5785 MHz

Vertical

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1 *	11570.0000	32.22	19.49	51.71	54.00	-2.29	AVG	
2	11570.6800	45.90	19.49	65.39	74.00	-8.61	Peak	

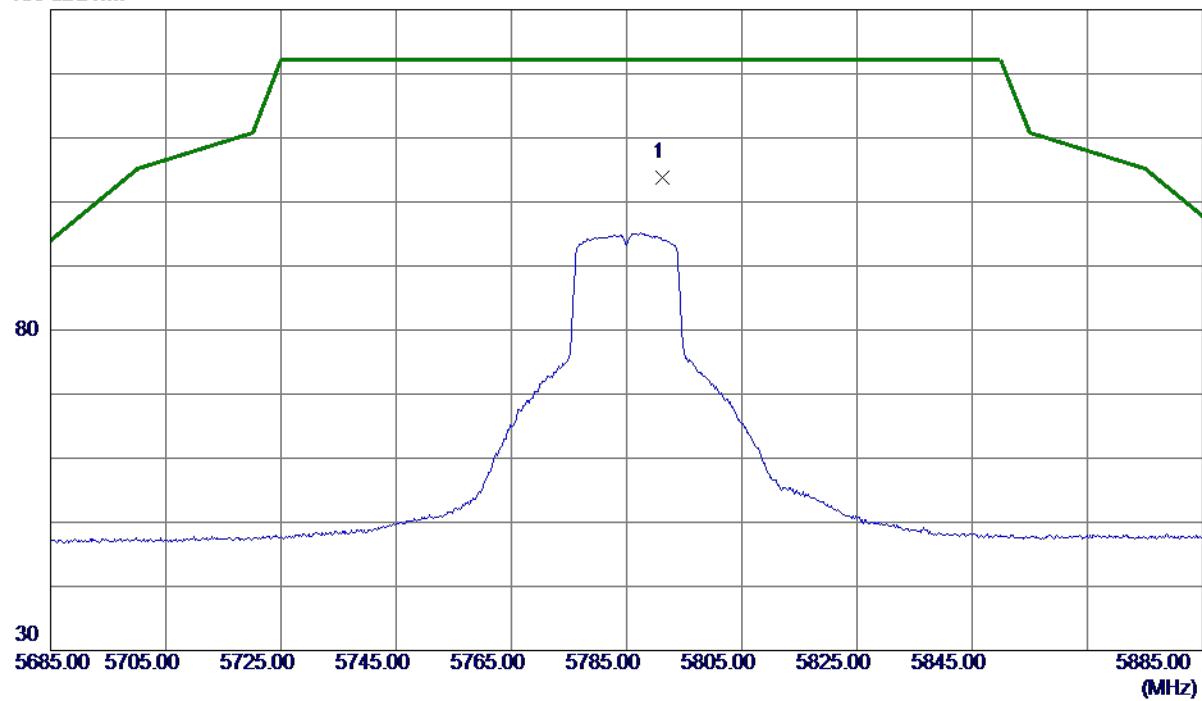
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5785 MHz

Horizontal

130 dBuV/m

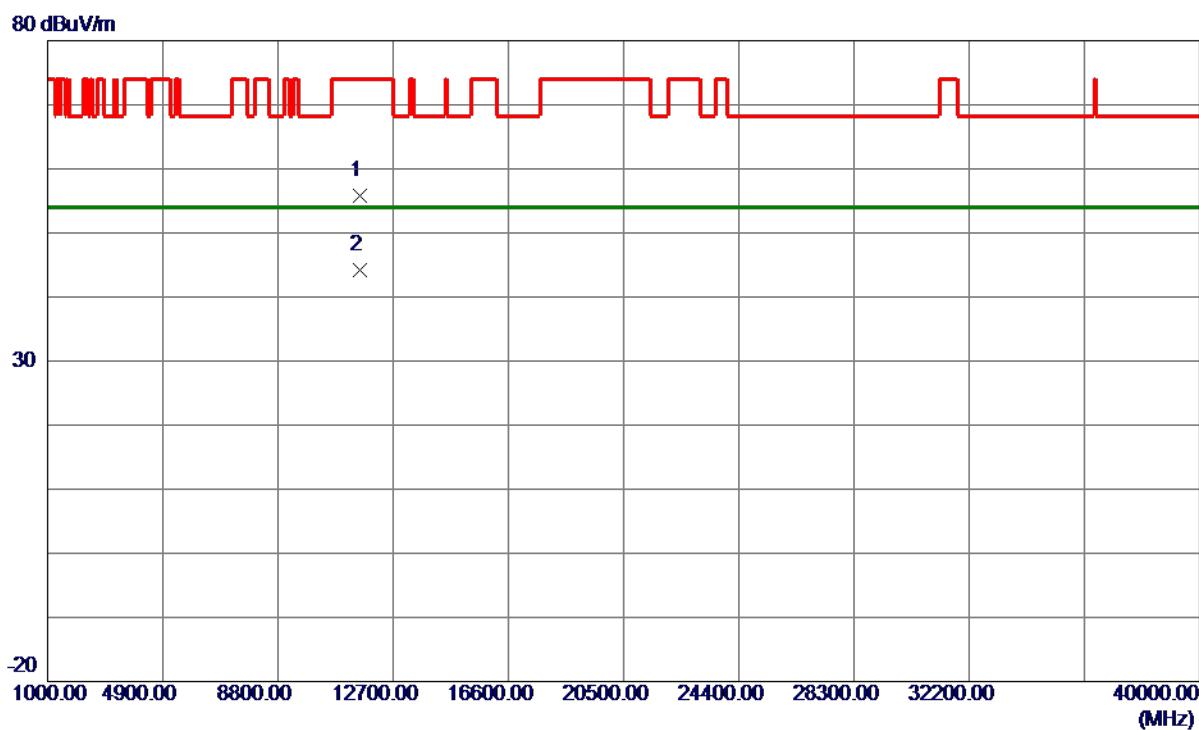


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5791.2000	81.86	21.87	103.73	122.20	-18.47	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5785 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	11568.7600	36.27	19.49	55.76	74.00	-18.24	Peak	
2 *	11570.0199	24.78	19.49	44.27	54.00	-9.73	AVG	

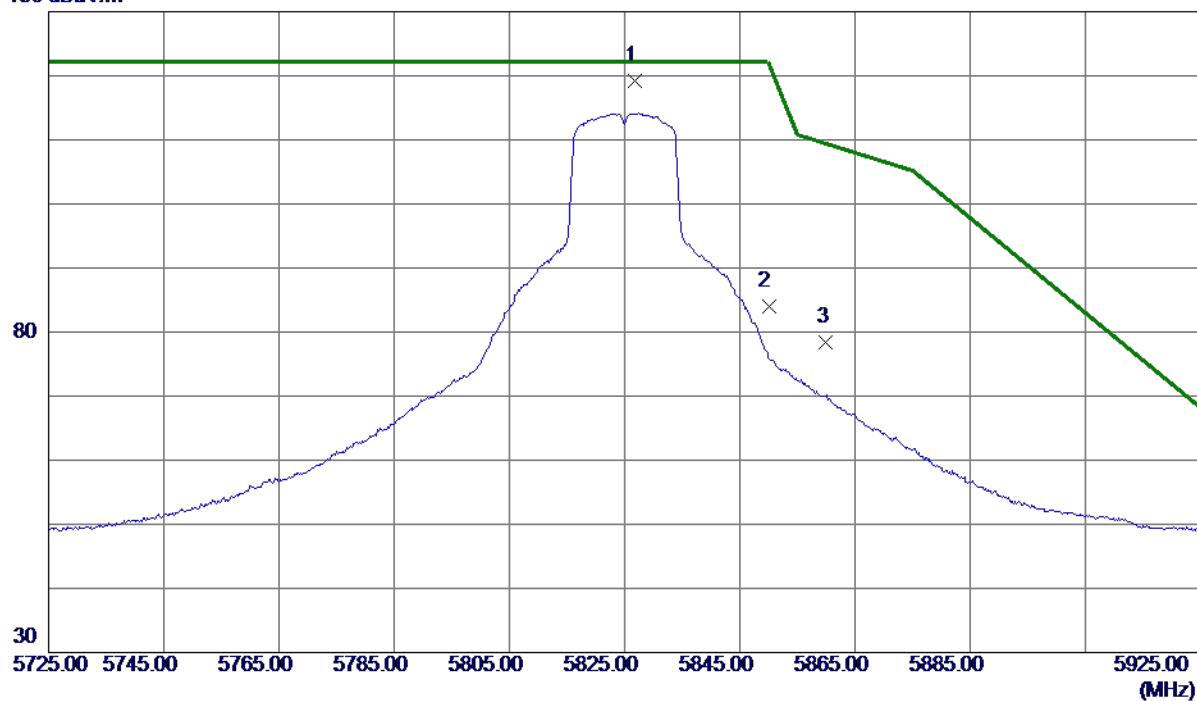
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5825 MHz

Vertical

130 dBuV/m



No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment	dBuV/m	dB		
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB			
1 *	5826.8000	97.16	22.05	119.21	122.20	-2.99	Peak	No Limit
2	5850.0000	61.89	22.16	84.05	122.20	-38.15	Peak	
3	5860.0000	56.17	22.21	78.38	109.40	-31.02	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5825 MHz

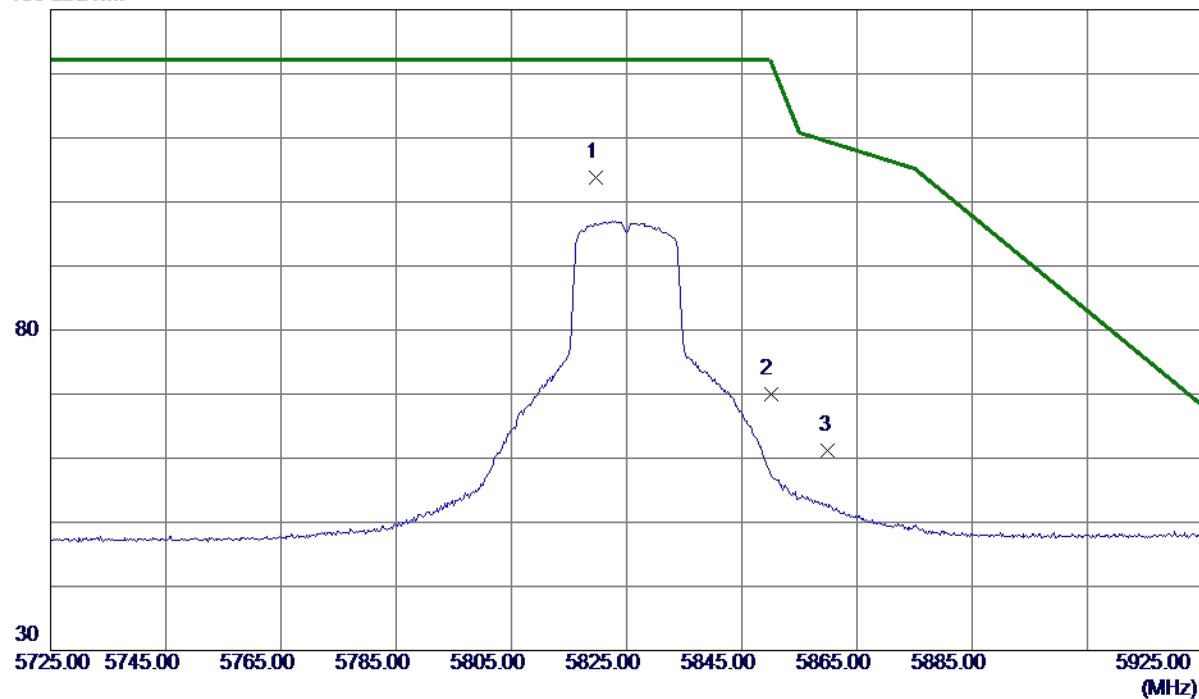
Vertical

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1	11646.6600	47.75	19.28	67.03	74.00	-6.97	Peak	
2 *	11649.2200	32.04	19.27	51.31	54.00	-2.69	AVG	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5825 MHz

Horizontal**130 dBuV/m**

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	dBuV/m	dBuV/m	dB		
1 *	5819.6000	81.75	22.01	103.76	122.20	-18.44	Peak	No Limit
2	5850.0000	47.90	22.16	70.06	122.20	-52.14	Peak	
3	5860.0000	38.95	22.21	61.16	109.40	-48.24	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT20) Mode 5825 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	11648.6900	23.24	19.27	42.51	54.00	-11.49	AVG	
2	11648.8550	35.48	19.27	54.75	74.00	-19.25	Peak	

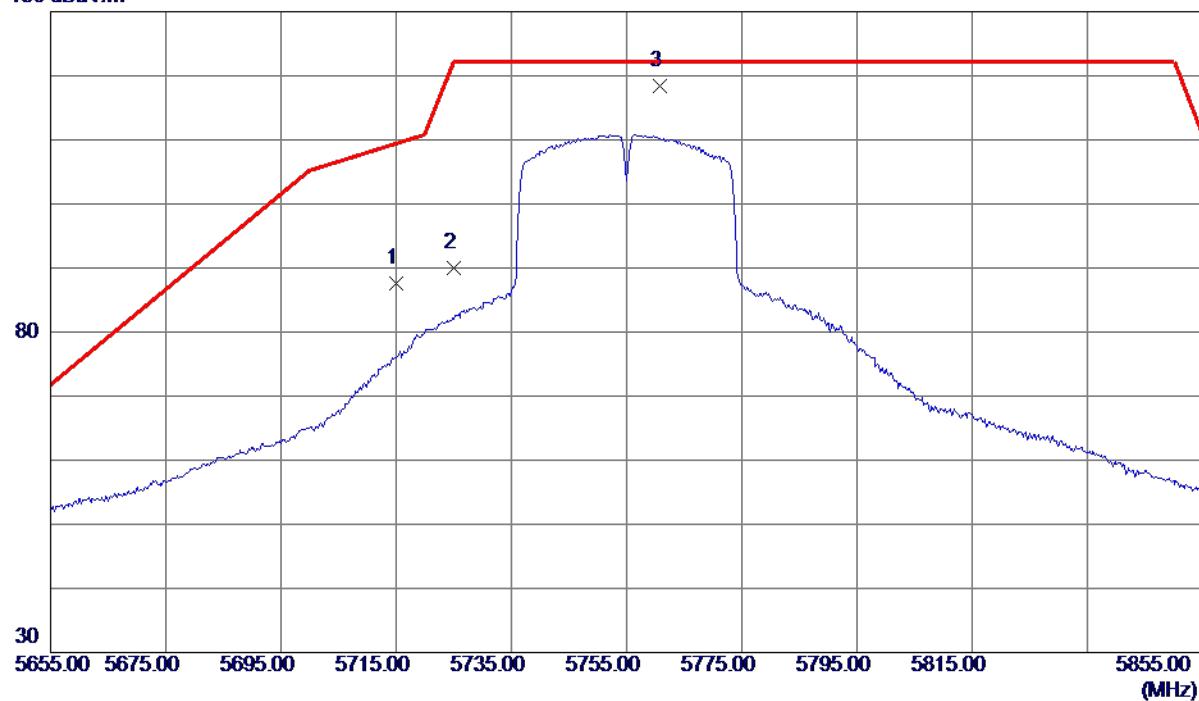
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5755 MHz

Vertical

130 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5715.0000	66.09	21.50	87.59	109.40	-21.81	Peak	
2	5725.0000	68.53	21.55	90.08	122.20	-32.12	Peak	
3 *	5760.8000	96.66	21.73	118.39	122.20	-3.81	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5755 MHz

Vertical

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1	11507.9200	45.17	19.66	64.83	74.00	-9.17	Peak	
2 *	11509.9200	32.18	19.66	51.84	54.00	-2.16	AVG	

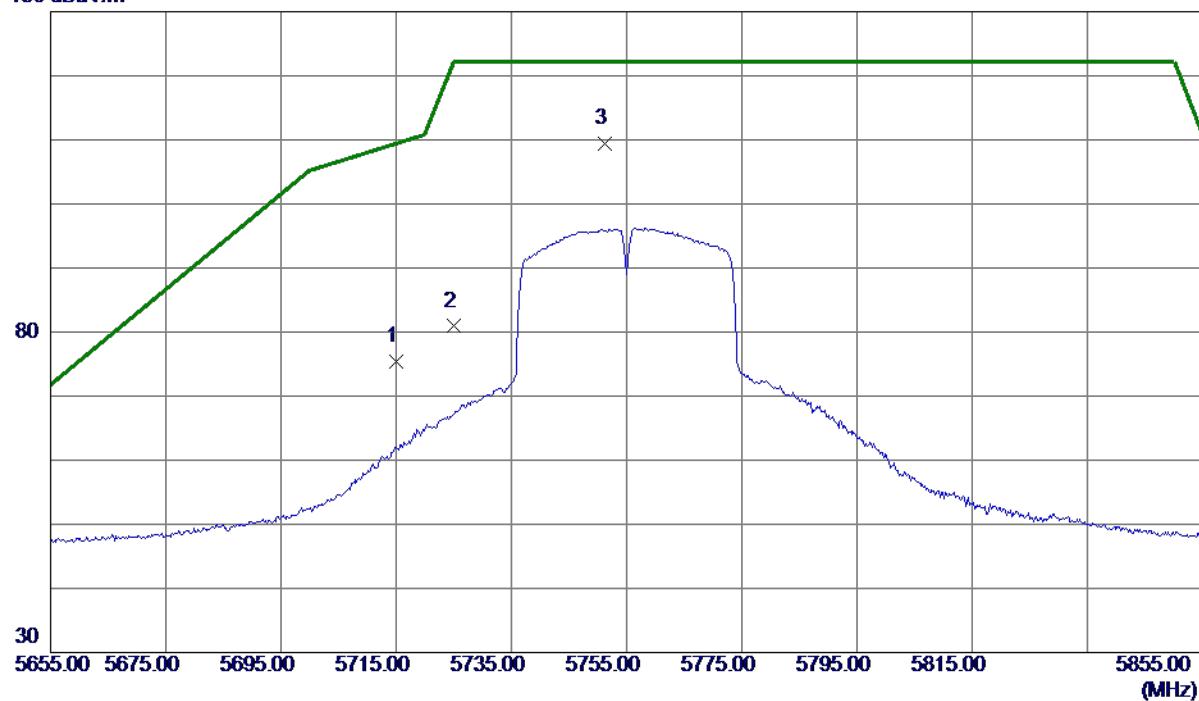
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5755 MHz

Horizontal

130 dBuV/m

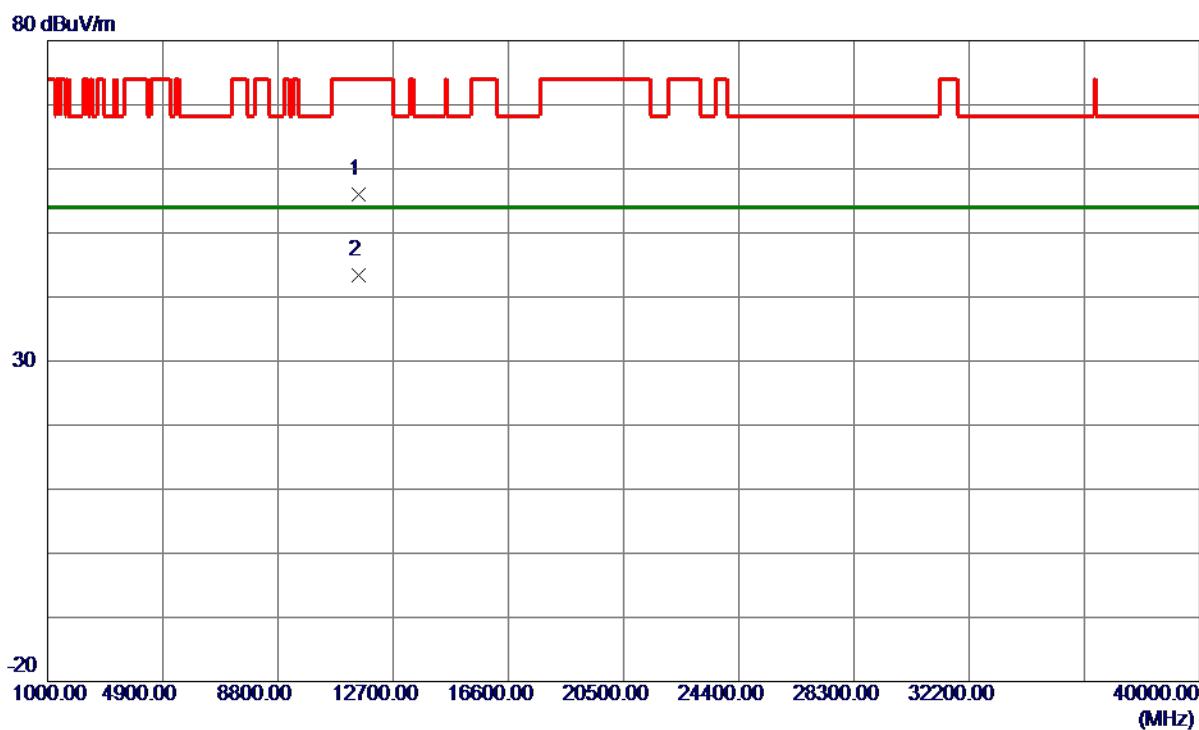


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5715.0000	53.87	21.50	75.37	109.40	-34.03	Peak	
2	5725.0000	59.35	21.55	80.90	122.20	-41.30	Peak	
3 *	5751.2000	87.78	21.68	109.46	122.20	-12.74	Peak	No Limit

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5755 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment	dBuV/m	dB		
1	11508.7200	36.43	19.66	56.09	74.00	-17.91	Peak	
2 *	11509.8550	23.71	19.66	43.37	54.00	-10.63	AVG	

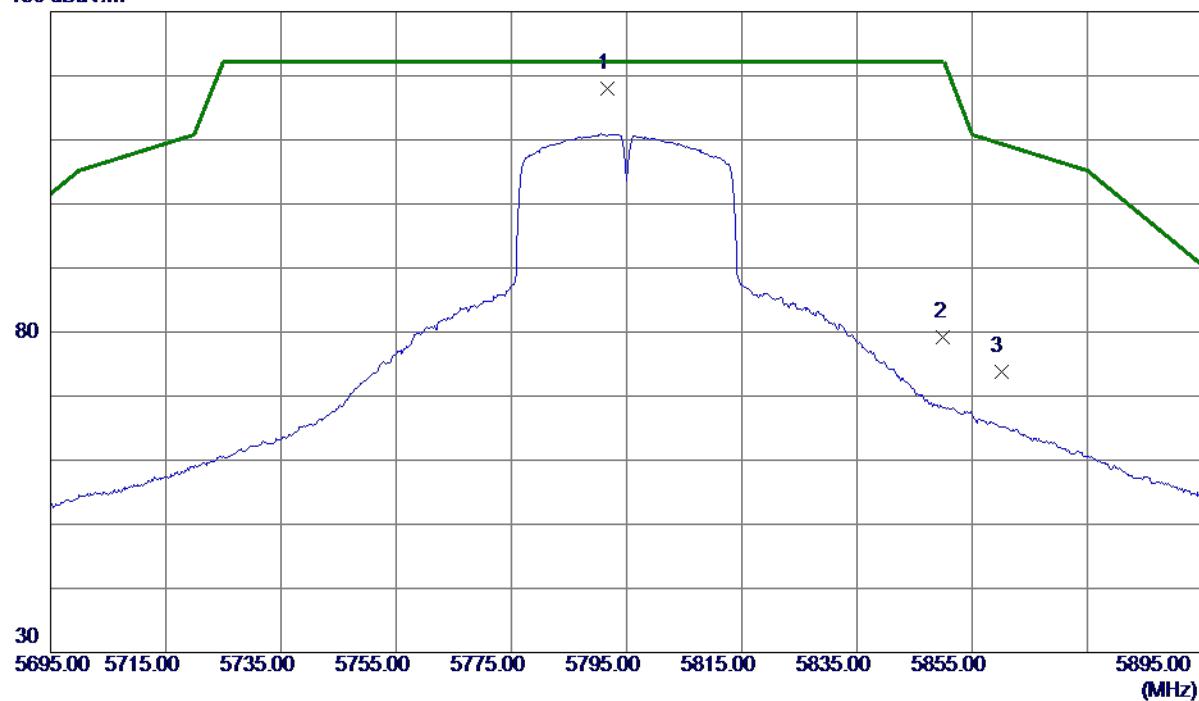
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5795 MHz

Vertical

130 dBuV/m

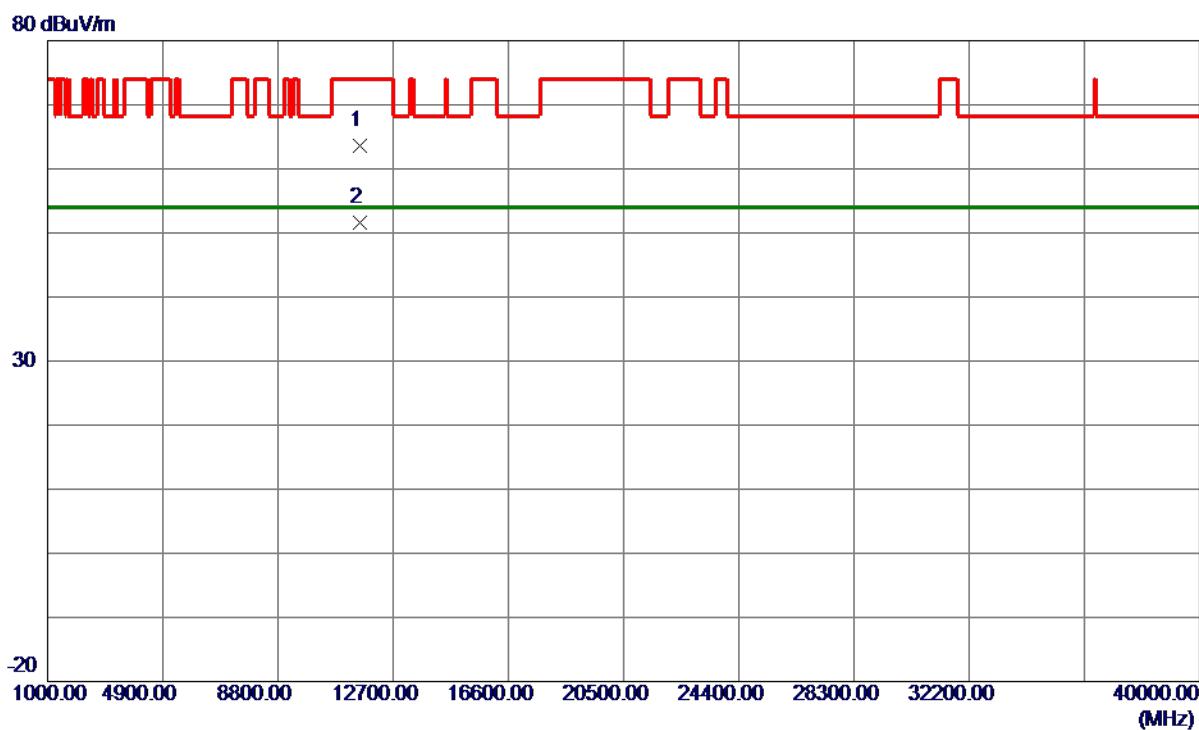


No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5791.6000	96.17	21.88	118.05	122.20	-4.15	Peak	No Limit
2	5850.0000	57.07	22.16	79.23	122.20	-42.97	Peak	
3	5860.0000	51.56	22.21	73.77	109.40	-35.63	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5795 MHz

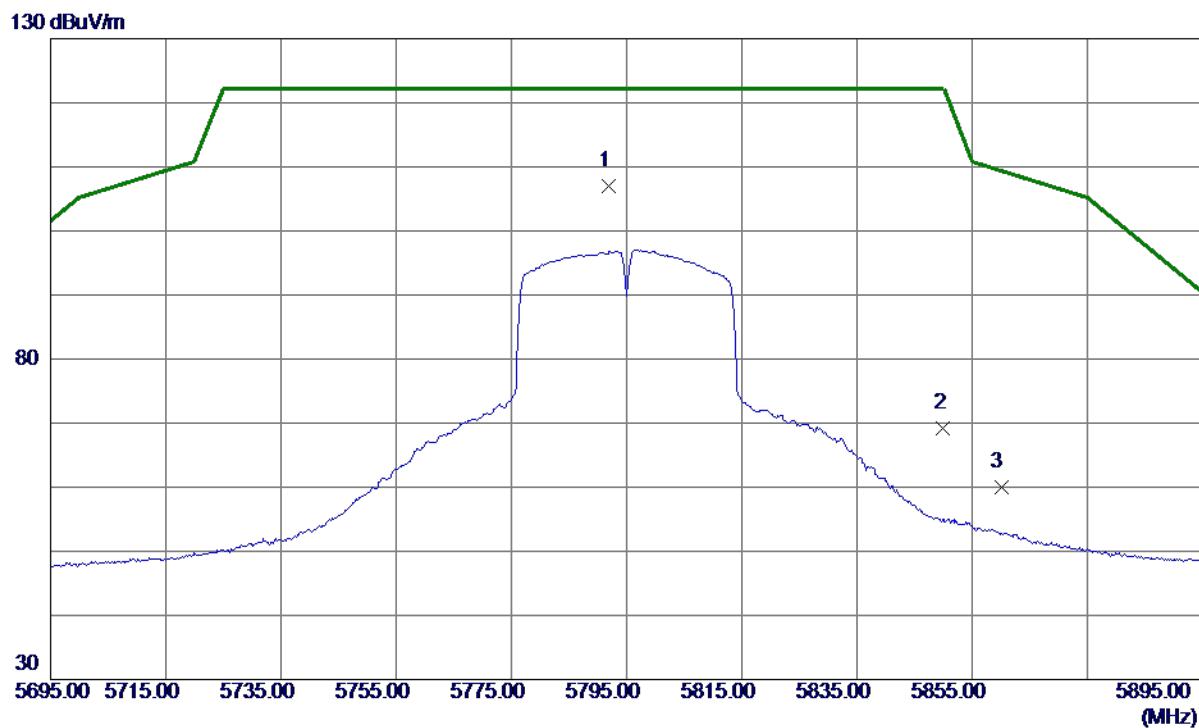
Vertical

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	11588.3200	44.11	19.44	63.55	74.00	-10.45	Peak	
2 *	11589.9600	32.20	19.43	51.63	54.00	-2.37	AVG	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5795 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	dBuV/m	dBuV/m	dB		
1 *	5791.8000	85.20	21.88	107.08	122.20	-15.12	Peak	No Limit
2	5850.0000	47.06	22.16	69.22	122.20	-52.98	Peak	
3	5860.0000	37.78	22.21	59.99	109.40	-49.41	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT40) Mode 5795 MHz

Horizontal

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	11588.8099	36.28	19.44	55.72	74.00	-18.28	Peak	
2 *	11589.9050	24.00	19.43	43.43	54.00	-10.57	AVG	

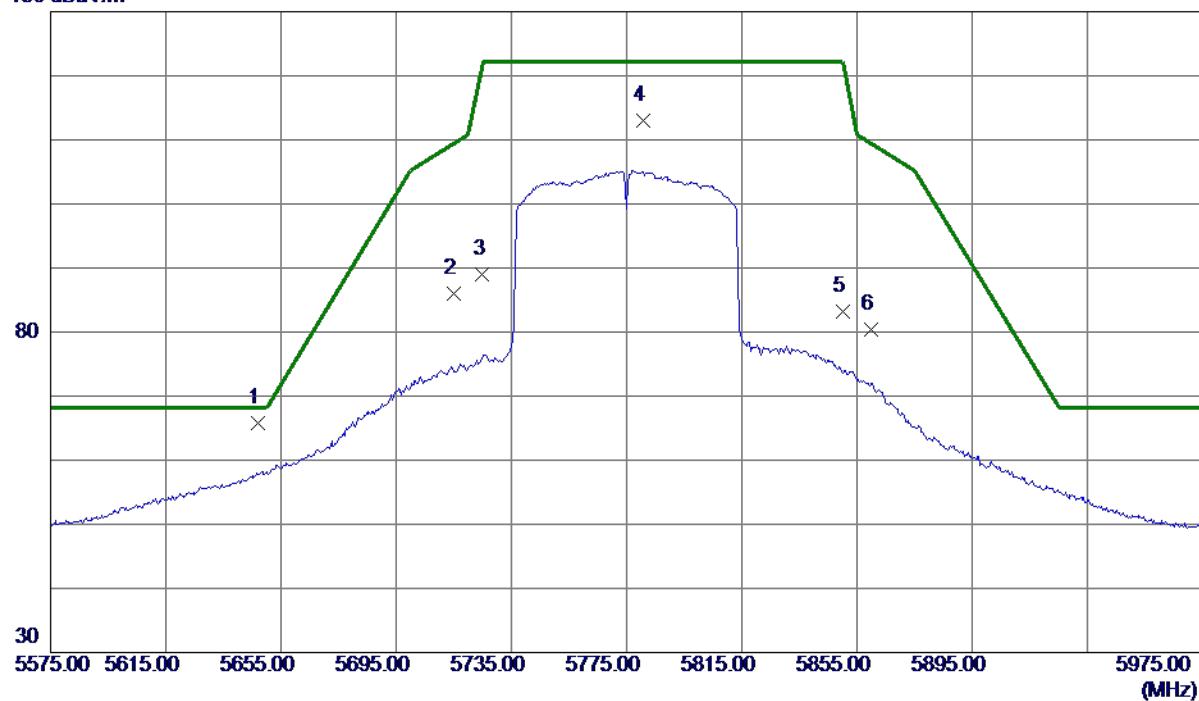
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT80) Mode 5775 MHz

Vertical

130 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5647.0000	44.71	21.17	65.88	68.20	-2.32	Peak	
2	5715.0000	64.49	21.50	85.99	109.40	-23.41	Peak	
3	5725.0000	67.36	21.55	88.91	122.20	-33.29	Peak	
4	5780.6000	91.20	21.82	113.02	122.20	-9.18	Peak	No Limit
5	5850.0000	60.97	22.16	83.13	122.20	-39.07	Peak	
6	5860.0000	58.19	22.21	80.40	109.40	-29.00	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT80) Mode 5775 MHz

Vertical

No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	11549.9800	30.75	19.55	50.30	54.00	-3.70	AVG	
2	11551.0199	41.96	19.54	61.50	74.00	-12.50	Peak	

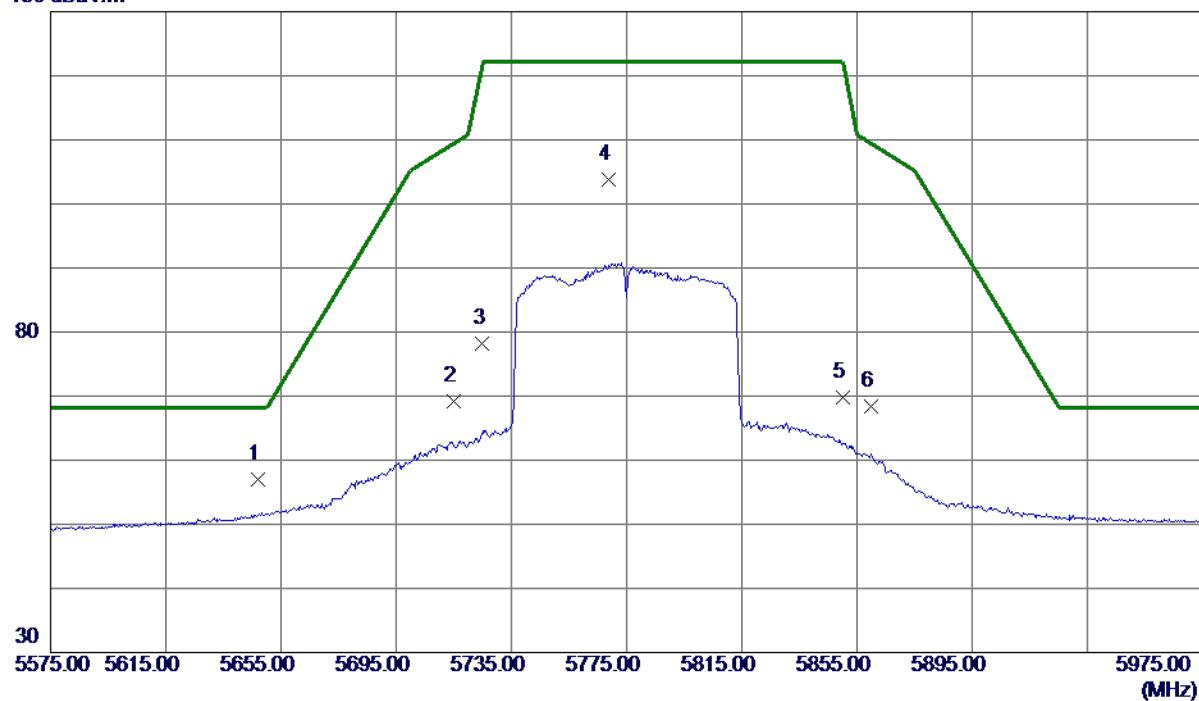
REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT80) Mode 5775 MHz

Horizontal

130 dBuV/m

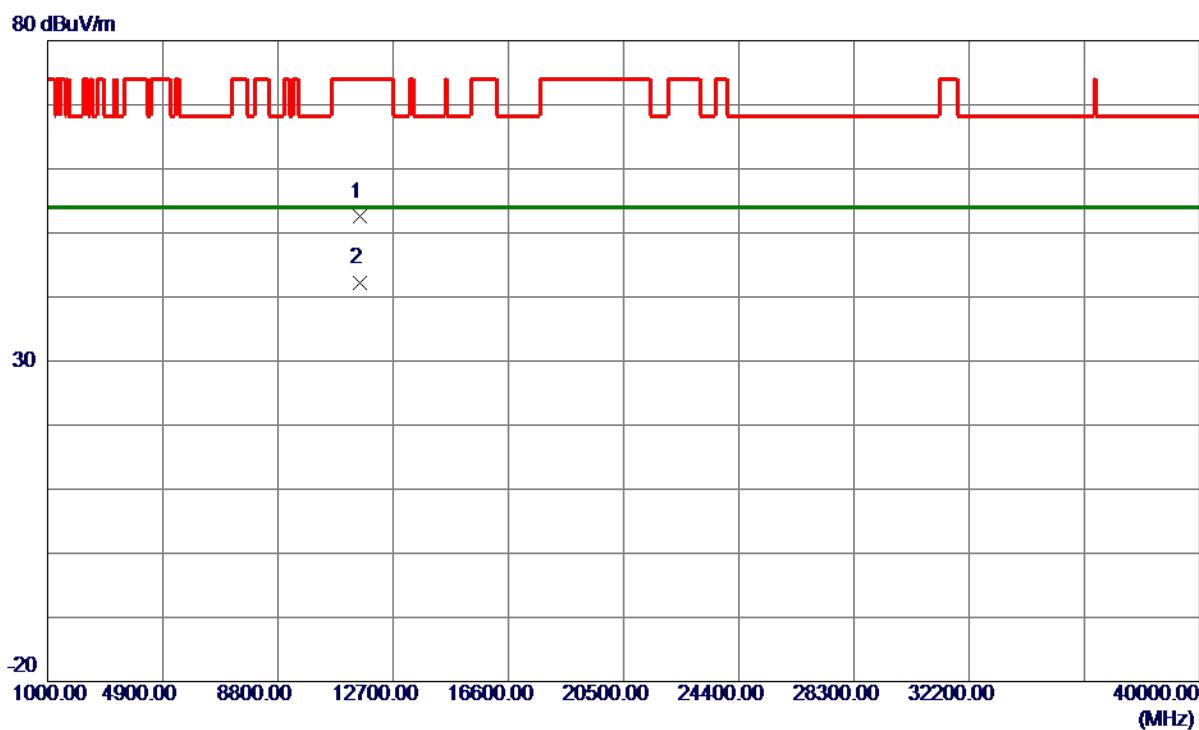


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5647.0000	35.86	21.17	57.03	68.20	-11.17	Peak	
2	5715.0000	47.69	21.50	69.19	109.40	-40.21	Peak	
3	5725.0000	56.63	21.55	78.18	122.20	-44.02	Peak	
4	5768.6000	81.99	21.76	103.75	122.20	-18.45	Peak	No Limit
5	5850.0000	47.60	22.16	69.76	122.20	-52.44	Peak	
6	5860.0000	46.12	22.21	68.33	109.40	-41.07	Peak	

REMARKS:

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

Orthogonal Axis	X
Test Mode	UNII-3_TX AC (VHT80) Mode 5775 MHz

Horizontal

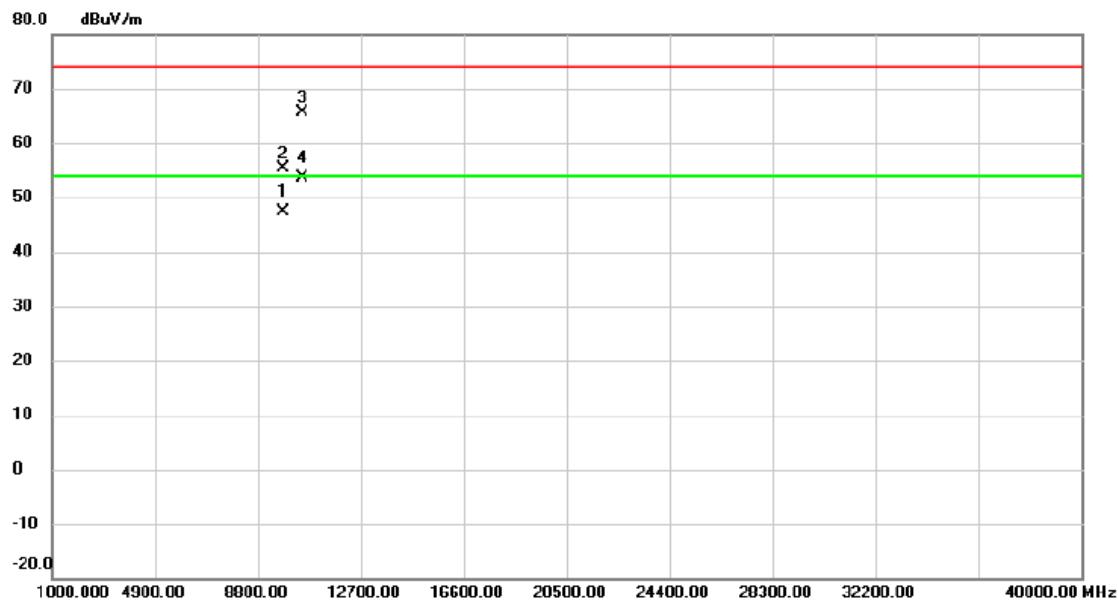
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	11554.5500	32.97	19.53	52.50	74.00	-21.50	Peak	
2 *	11558.5500	22.74	19.52	42.26	54.00	-11.74	AVG	

REMARKS:

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

The worst case of simultaneous transmission:

Test Mode: TX WLAN 2.4G B Mode 2437 + WLAN 5G A Mode 5240MHz

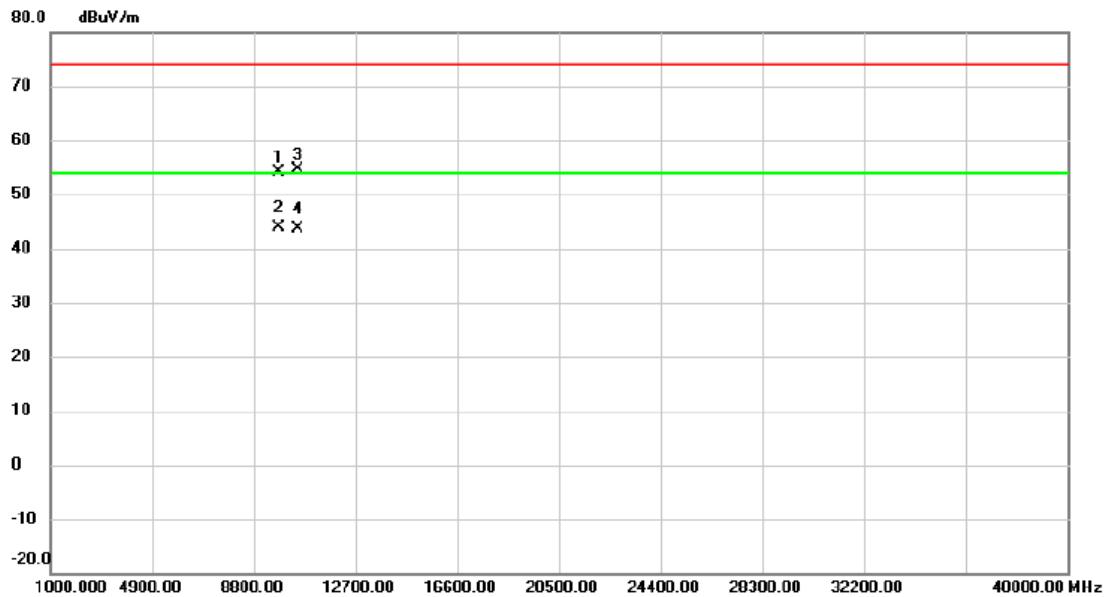
Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		9747.930	28.56	18.81	47.37	54.00	-6.63	AVG	
2		9747.940	36.54	18.81	55.35	74.00	-18.65	peak	
3		10482.400	45.41	20.32	65.73	74.00	-8.27	peak	
4	*	10482.430	33.36	20.32	53.68	54.00	-0.32	AVG	

REMARKS:

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

Test Mode: TX WLAN 2.4G B Mode 2437 + WLAN 5G A Mode 5240MHz

Horizontal

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		9746.970	35.24	18.81	54.05	74.00	-19.95	peak	
2	*	9747.950	25.16	18.81	43.97	54.00	-10.03	AVG	
3		10488.700	34.23	20.34	54.57	74.00	-19.43	peak	
4		10488.770	23.34	20.34	43.68	54.00	-10.32	AVG	

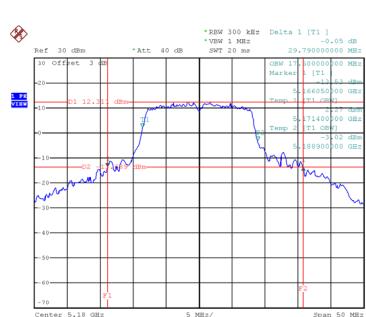
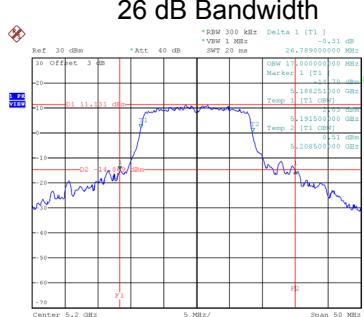
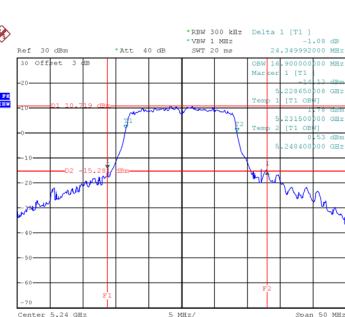
REMARKS:

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

APPENDIX E - BANDWIDTH

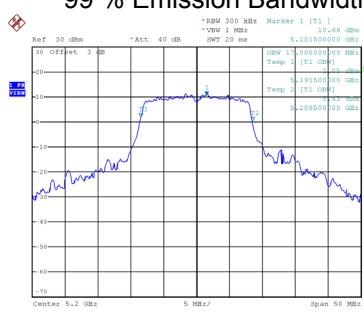
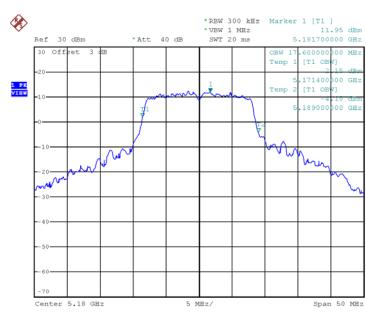
Test Mode UNII-1_TX A Mode_Ant. 3

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	29.79	17.60
40	5200	26.79	17.00
48	5240	24.35	16.90

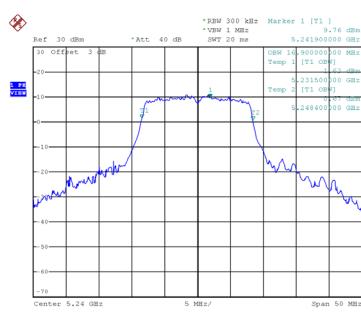
CH36

CH40
26 dB Bandwidth

CH48


Date: 3.MAR.2020 13:52:55

99 % Emission Bandwidth



Date: 3.MAR.2020 13:54:14



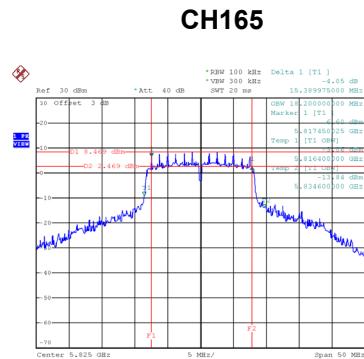
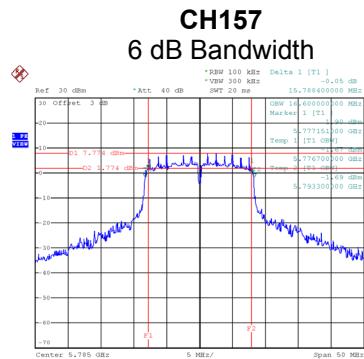
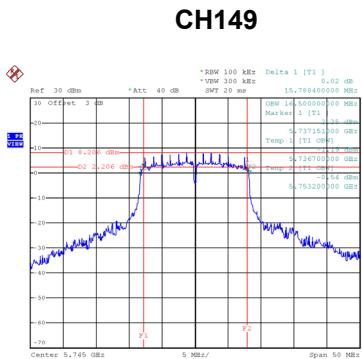
Date: 3.MAR.2020 13:52:34

Date: 3.MAR.2020 13:53:45

Date: 3.MAR.2020 13:54:45

Test Mode UNII-3_TX A Mode_Ant. 3

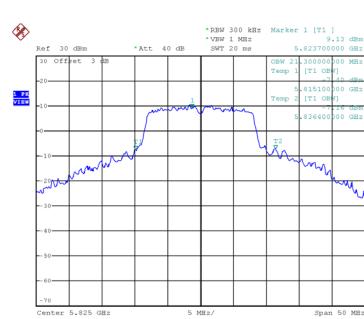
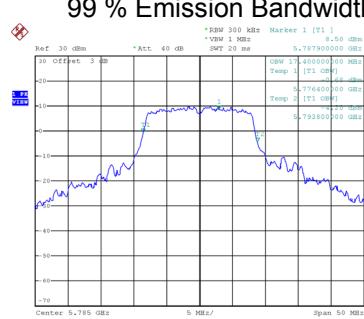
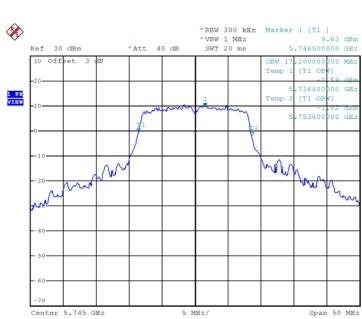
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
149	5745	15.79	17.20	500	Complies
157	5785	15.79	17.40	500	Complies
165	5825	15.39	21.30	500	Complies



Date: 3.MAR.2020 13:56:25

Date: 3.MAR.2020 13:57:41

Date: 3.MAR.2020 13:58:44



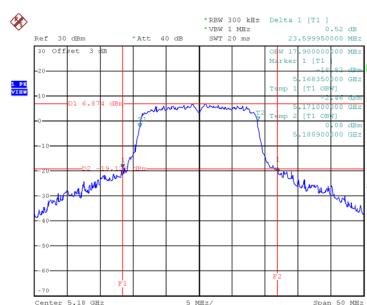
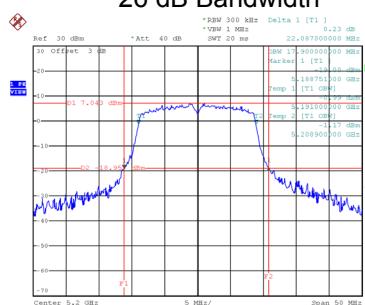
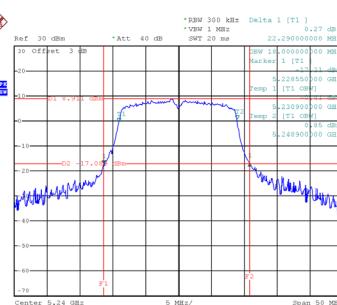
Date: 3.MAR.2020 13:55:54

Date: 3.MAR.2020 13:57:11

Date: 3.MAR.2020 13:58:13

Test Mode	UNII-1_TX AC (VHT20) Mode_Ant. 3
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Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	23.60	17.90
40	5200	22.09	17.90
48	5240	22.29	17.90

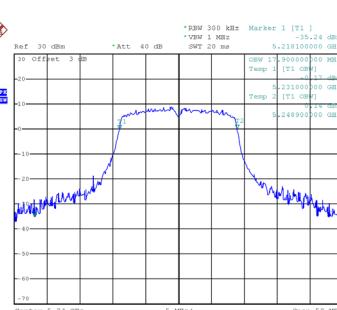
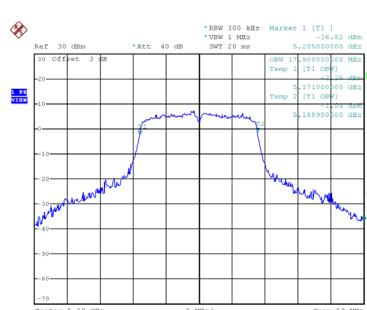
CH36

CH40
26 dB Bandwidth

CH48


Date: 3.MAR.2020 15:08:06

Date: 3.MAR.2020 15:09:02

Date: 3.MAR.2020 15:10:12

99 % Emission Bandwidth



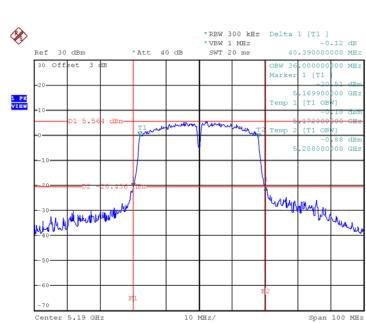
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Date: 3.MAR.2020 15:08:32

Date: 3.MAR.2020 15:09:46

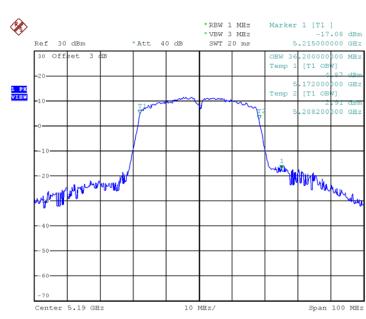
Test Mode	UNII-1_TX AC (VHT40) Mode_Ant. 3
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Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
38	5190	40.39	36.20
46	5230	39.99	36.20

CH38

CH46
26 dB Bandwidth


Date: 3.MAR.2020 15:16:46

Date: 3.MAR.2020 15:17:39

99 % Emission Bandwidth


Date: 3.MAR.2020 15:16:11

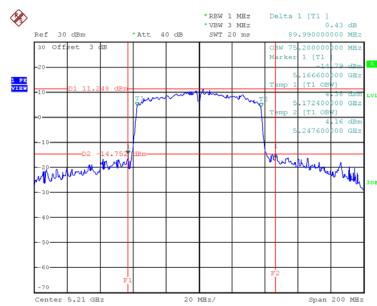
Date: 3.MAR.2020 15:17:13

Test Mode	UNII-1_TX AC (VHT80) Mode_Ant. 3
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Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
42	5210	89.99	75.20

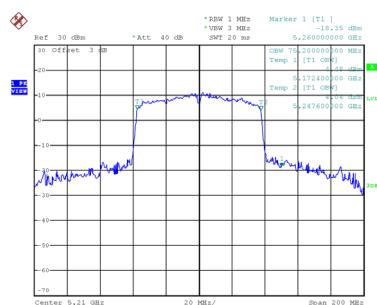
CH42

26 dB Bandwidth



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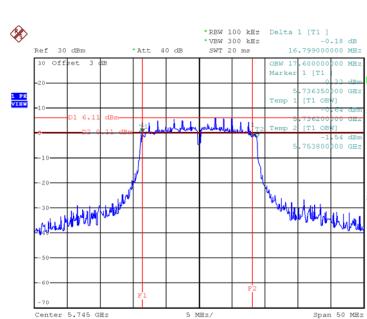
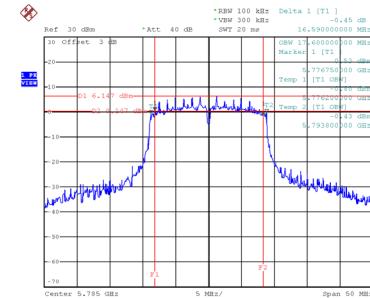
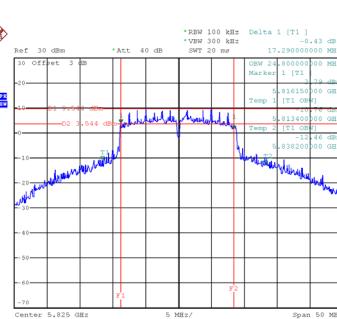
99 % Emission Bandwidth



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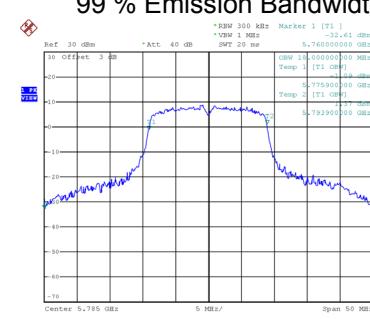
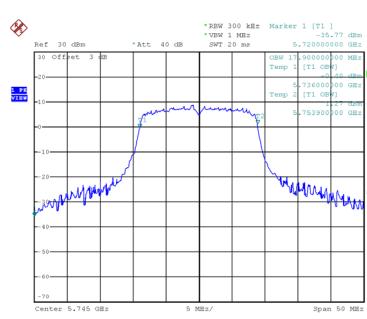
Test Mode UNII-3_TX AC (VHT20) Mode_Ant. 3

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
149	5745	16.80	17.90	500	Complies
157	5785	16.59	18.00	500	Complies
165	5825	17.29	26.60	500	Complies

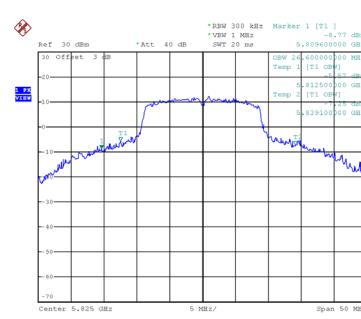
CH149

CH157
6 dB Bandwidth

CH165


Date: 3.MAR.2020 15:11:53

Date: 3.MAR.2020 15:12:53

99 % Emission Bandwidth


Date: 3.MAR.2020 15:14:55



Date: 3.MAR.2020 15:11:24

Date: 3.MAR.2020 15:12:21

Date: 3.MAR.2020 15:14:24