

# FCC Radio Test Report

## FCC ID: 2AWG9-OSPREY

**This report concerns: Original Grant**

**Project No.** : 2107C014  
**Equipment** : 4G LTE WiFi Router  
**Brand Name** : WiFiRanger  
**Test Model** : OSPREY  
**Series Model** : N/A  
**Applicant** : WiFiRanger, A LinOra Company  
**Address** : 943 W Overland Road, , Meridian, Idaho United States 83642  
**Manufacturer** : Shenzhen Comnect Technology Co.,Ltd  
**Address** : G Zone, 3/F, Building 1, Baisha High-Tech Park, Xili Street, Shenzhen  
**Factory** : Shenzhen Comnect Technology Co.,Ltd  
**Address** : Second Standard Factory, Zhongcai Road, Yingbin Avenue, Luxi Industrial Park, Jiangxi  
**Date of Receipt** : Jul. 08, 2021  
**Date of Test** : Jul. 09, 2021 ~ Aug. 16, 2021  
**Issued Date** : Aug. 25, 2021  
**Report Version** : R01  
**Test Sample** : Engineering Sample No.: DG2021070562  
**Standard(s)** : FCC CFR Title 47, Part 15, Subpart E  
FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01  
ANSI C63.10-2013

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

*Vegeta Li*

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TESTING CERT #5123.02

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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.	Aug. 23, 2021
R01	Removed test photos.	Aug. 25, 2021

## 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart E				
Standard(s) Section	Test Item	Test Result	Judgment	Remark
15.207 15.407(b)	AC Power Line Conducted Emissions	APPENDIX A	PASS	-----
15.407(b) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	-----
15.407(a) 15.407(e)	Bandwidth	APPENDIX E	PASS	-----
15.407(a)	Maximum Output Power	APPENDIX F	PASS	-----
15.407(a)	Power Spectral Density	APPENDIX G	PASS	-----
15.407(g)	Frequency Stability	APPENDIX H	PASS	-----
15.203	Antenna Requirements	-----	PASS	NOTE (2)
15.407(c)	Automatically Discontinue Transmission	-----	PASS	NOTE (3)

Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.
- (3) During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.
- (4) For UNII-1 this device was functioned as a
  - Outdoor access point device
  - Indoor access point device
  - Fixed point-to-point access points device
  - Client device

## 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

Rd. Shixia, Dalang Town, Dongguan City, Guangdong, People's Republic of 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	2.68

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9kHz ~ 30MHz	-	3.02
		30MHz ~ 200MHz	V	4.26
		30MHz ~ 200MHz	H	3.38
		200MHz ~ 1,000MHz	V	3.98
		200MHz ~ 1,000MHz	H	3.94
		1GHz ~ 6GHz	-	3.96
		6GHz ~ 18GHz	-	5.24
		18GHz ~ 26.5GHz	-	3.62
		26.5GHz ~ 40GHz	-	4.00

C. Other Measurement test:

Test Item	Uncertainty
Bandwidth	±3.8 %
Maximum Output Power	±0.95 dB
Power Spectral Density	±0.86 dB
Frequency Stability	±0.16 dB
Temperature	±0.08 °C
Humidity	±1.5%

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	Kwok Guo
Radiated Emissions-9kHz to 30MHz	25°C	60%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-30MHz to 1000MHz	26°C	52%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-Above 1000 MHz	26°C	52%	AC 120V/60Hz	Kwok Guo
Bandwidth	23°C	47%	AC 120V/60Hz	Jesse Wang
Maximum Output Power	23°C	47%	AC 120V/60Hz	Laughing Zhang
Power Spectral Density	23°C	47%	AC 120V/60Hz	Jesse Wang
Frequency Stability	Normal & Extreme	47%	Normal & Extreme	Jesse Wang

## 2. GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

Equipment	4G LTE WiFi Router
Brand Name	WiFiRanger
Test Model	OSPREY
Series Model	N/A
Model Difference(s)	N/A
Power Source	DC voltage supplied from AC adapter. (Support Units)
Power Rating	I/P: 100-240V~ 50/60Hz 0.3A max O/P: 12.0V <del>====</del> 1A
Operation Frequency Band(s)	UNII-1: 5150 MHz ~ 5250 MHz UNII-3: 5725 MHz ~ 5850 MHz
Modulation Type	IEEE 802.11a/n/ac: OFDM
Bit Rate of Transmitter	IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 150 Mbps IEEE 802.11ac: up to 433.3 Mbps
Maximum Output Power_UNII-1	IEEE 802.11a: 18.73 dBm (0.0746 W)
Maximum Output Power_UNII-3	IEEE 802.11a: 16.59 dBm (0.0456 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)	Note
1	N/A	N/A	Dipole	N/A	4.09	UNII-1
					4.06	UNII-3

Note: The antenna gain is provided by the manufacturer.

## 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 Channel 36/40/48 (UNII-1)
Mode 2	TX N(HT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX N(HT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 5	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 6	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 7	TX A Mode Channel 149/157/165 (UNII-3)
Mode 8	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 9	TX N(HT40) Mode Channel 151/159 (UNII-3)
Mode 10	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 11	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 12	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 13	TX A Mode Channel 36

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 A Mode Channel 36

Radiated Emissions Test - Below 1GHz	
Final Test Mode	Description
Mode 13	TX A Mode Channel 36

<b>Radiated Emissions Test - Above 1GHz</b>	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX N(HT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX N(HT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 5	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 6	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 7	TX A Mode Channel 149/157/165 (UNII-3)
Mode 8	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 9	TX N(HT40) Mode Channel 151/159 (UNII-3)
Mode 10	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 11	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 12	TX AC(VHT80) Mode Channel 155 (UNII-3)

<b>Conducted Test</b>	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX N(HT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX N(HT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 5	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 6	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 7	TX A Mode Channel 149/157/165 (UNII-3)
Mode 8	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 9	TX N(HT40) Mode Channel 151/159 (UNII-3)
Mode 10	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 11	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 12	TX AC(VHT80) Mode Channel 155 (UNII-3)

**Note:**

- (1) For AC power line conducted emissions and radiated emission below 1 GHz test, the IEEE 802.11a channel 36 is found to be the worst case and recorded.
- (2) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz and 26.5GHz~40GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (3) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.

### 2.3 PARAMETERS OF TEST SOFTWARE

UNII-1			
Test Software Version	QFRCT		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	18.5	18.5	18
IEEE 802.11n(HT20)	17	17	17
IEEE 802.11ac(VHT20)	15	15	15
Frequency (MHz)	5190	5230	
IEEE 802.11n(HT40)	17	17	
IEEE 802.11ac(VHT40)	15	15	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	15		

UNII-3			
Test Software Version	QFRCT		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	16	16	16
IEEE 802.11n(HT20)	16	16	15
IEEE 802.11ac(VHT20)	15	15	15
Frequency (MHz)	5755	5795	
IEEE 802.11n(HT40)	17	15	
IEEE 802.11ac(VHT40)	15	14	
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	15		

## 2.4 DUTY CYCLE

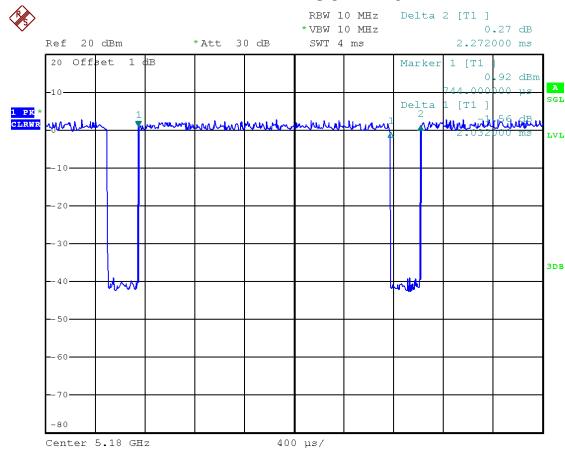
If duty cycle is  $\geq 98\%$ , duty factor is not required.

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.

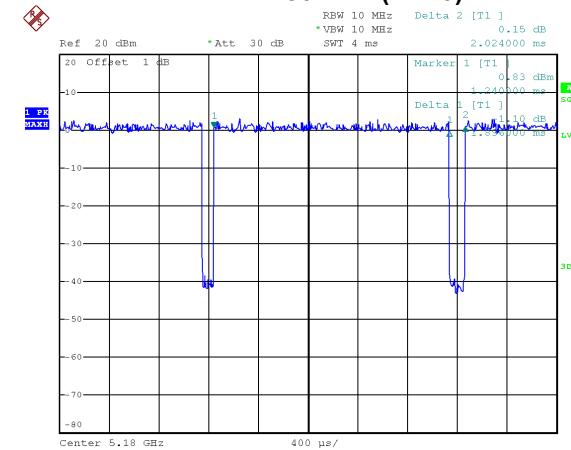
**IEEE 802.11a**



Date: 23.JUL.2021 10:09:50

Duty cycle =  $2.032 \text{ ms} / 2.272 \text{ ms} = 89.44\%$   
Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 0.48$

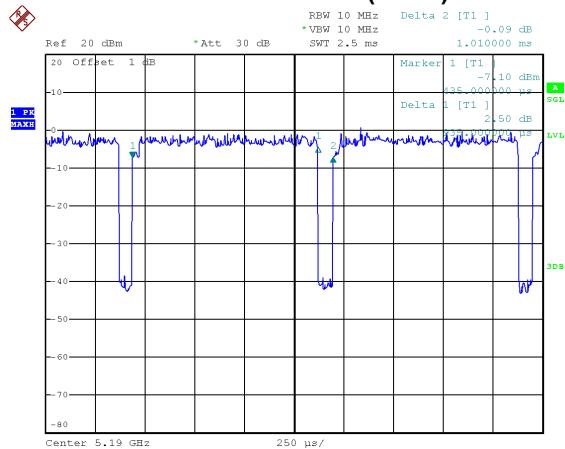
**IEEE 802.11n(HT20)**



Date: 23.JUL.2021 10:10:28

Duty cycle =  $1.896 \text{ ms} / 2.024 \text{ ms} = 93.68\%$   
Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 0.28$

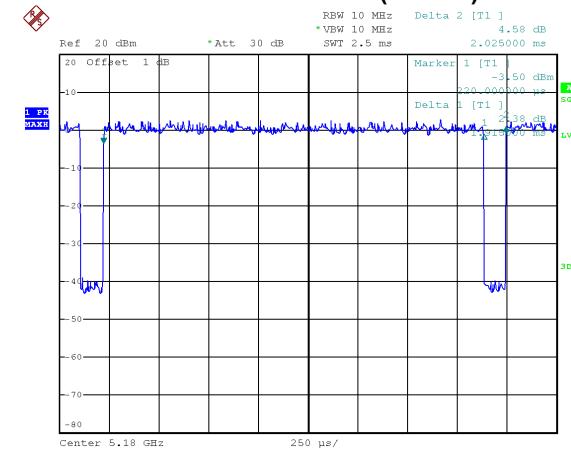
**IEEE 802.11n(HT40)**



Date: 23.JUL.2021 10:12:46

Duty cycle =  $0.935 \text{ ms} / 1.010 \text{ ms} = 92.57\%$   
Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 0.34$

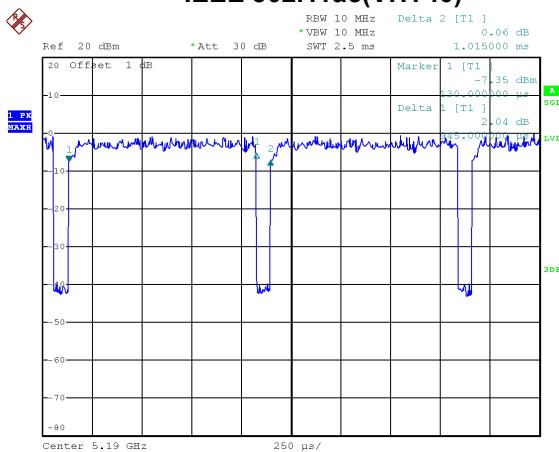
**IEEE 802.11ac(VHT20)**



Date: 23.JUL.2021 10:13:21

Duty cycle =  $1.915 \text{ ms} / 2.025 \text{ ms} = 94.57\%$   
Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 0.24$

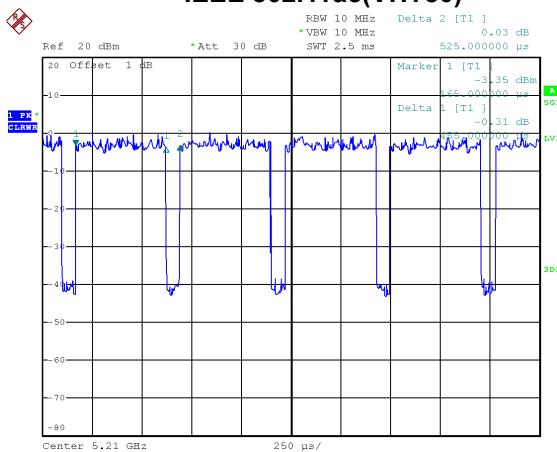
## IEEE 802.11ac(VHT40)



Date: 23.JUL.2021 10:14:25

Duty cycle = 0.945 ms / 1.015 ms = 93.10%  
 Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 0.31$

## IEEE 802.11ac(VHT80)



Date: 23.JUL.2021 10:19:26

Duty cycle = 0.455 ms / 0.525 ms = 86.67%  
 Duty Factor =  $10 \log(1 / \text{Duty cycle}) = 0.62$

## NOTE:

For IEEE 802.11a:

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

For IEEE 802.11n(HT20):

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):

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(VHT20):

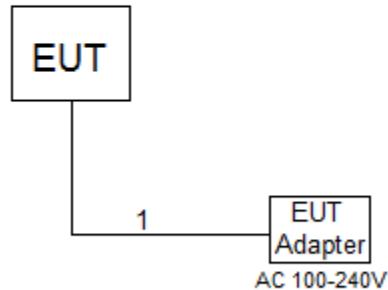
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle < 98%).

For IEEE 802.11ac(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	Mfr/Brand	Model/Type No.	Series No.
-	-	-	-	-

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.5m

### 3. AC POWER LINE CONDUCTED EMISSIONS

#### 3.1 LIMIT

Frequency (MHz)	Limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

#### 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.

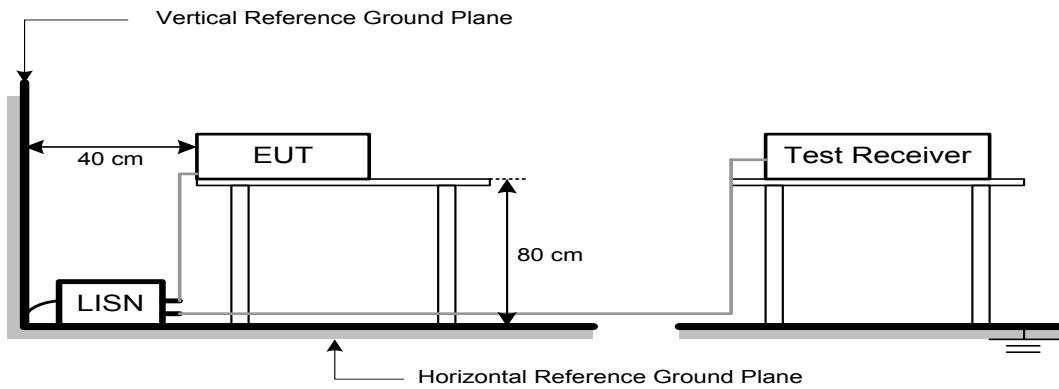
The following table is the setting of the receiver:

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

#### 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

### 4.1 LIMIT

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

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

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

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

Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dB $\mu$ V/m)
5150-5250	-27	68.2
5725-5850	-27	68.2
NOTE (2)	10	105.2
	15.6	110.8
	27	122.2

#### NOTE:

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

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

(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.

The following table is the setting of the receiver:

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

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

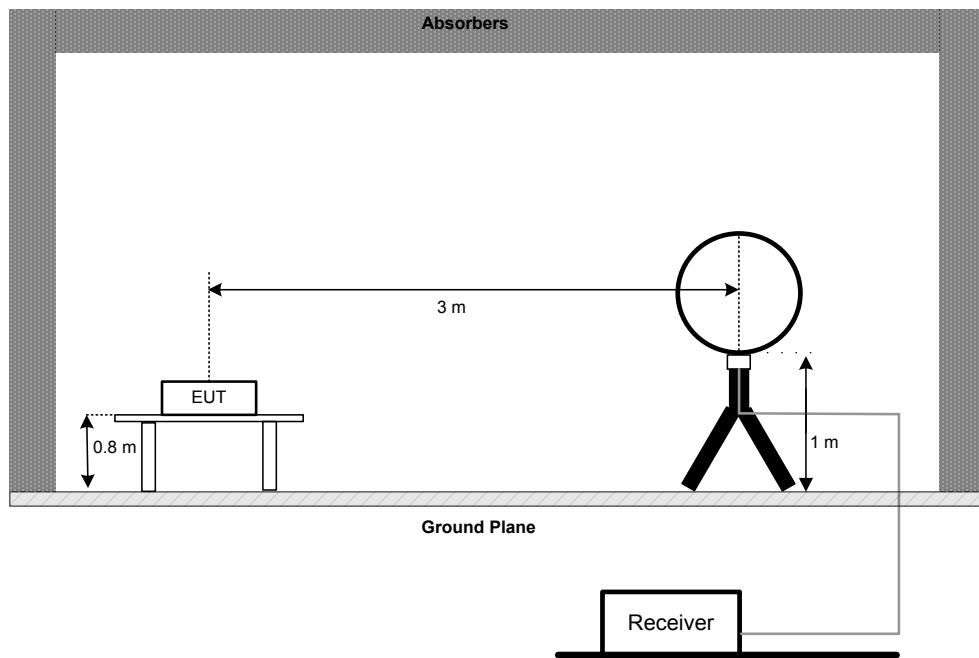
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

#### 4.3 DEVIATION FROM TEST STANDARD

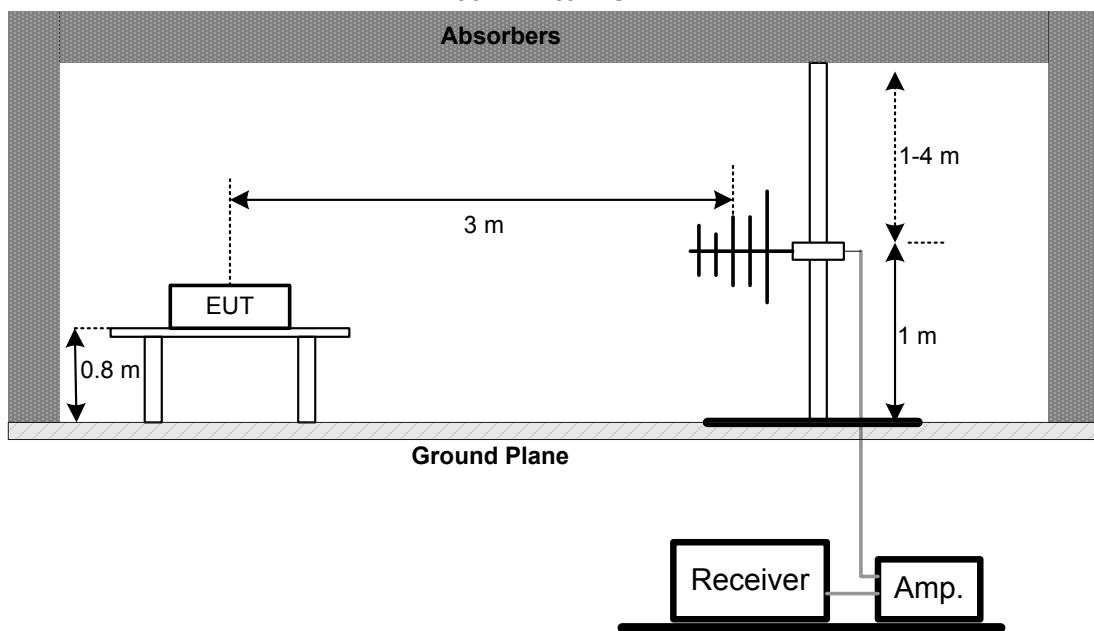
No deviation.

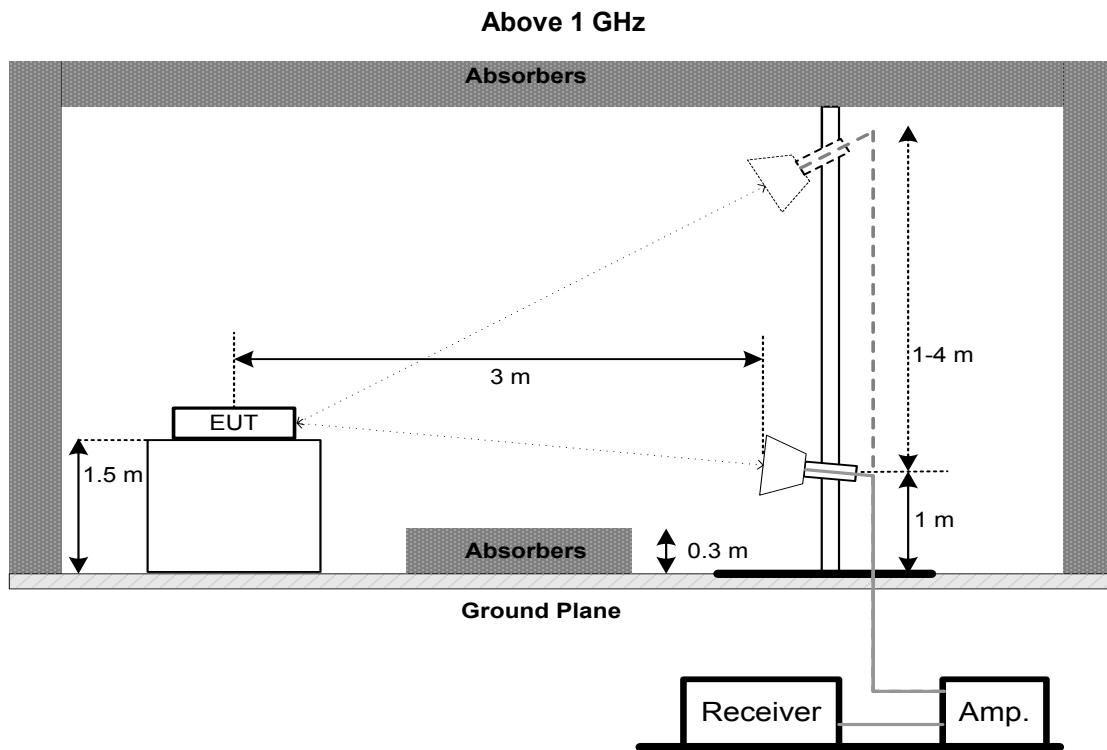
#### 4.4 TEST SETUP

**9 kHz to 30 MHz**



**30 MHz to 1 GHz**





#### 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

### 5.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	26 dB Bandwidth	-	5150-5250
FCC 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
Span Frequency	> 26 dB Bandwidth
RBW	Appromiximately 1% of the emission bandwidth
VBW	> RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For UNII-3:

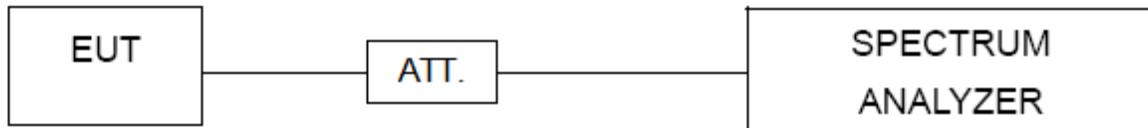
Spectrum Parameter	Setting
Span Frequency	> 6 dB Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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

### 6.1 LIMIT

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

Note:

- a. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- b. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10\log B$ , where B is the 26dB Bandwidth in megahertz.

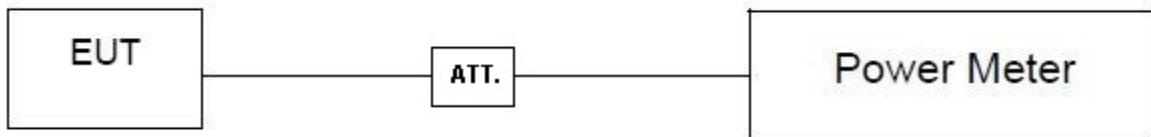
### 6.2 TEST PROCEDURE

- 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

### 7.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 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:

For UNII-1:

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

For UNII-3:

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

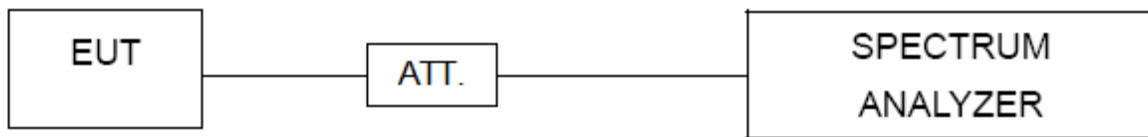
Note:

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

### 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

### 8.1 LIMIT

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

### 8.2 TEST PROCEDURE

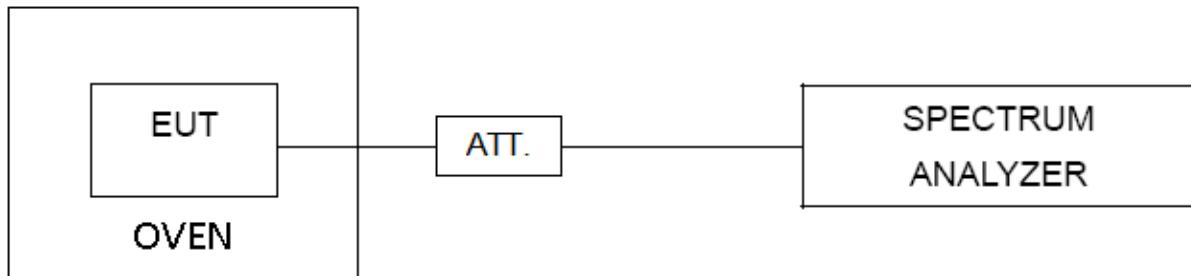
- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting:

Spectrum Parameter	Setting
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto
- c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
- d. User manual temperature is 0°C~55°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	Feb. 28, 2022
2	LISN	EMCO	3816/2	52765	Feb. 27, 2022
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Feb. 27, 2022
4	50Ω Terminator	SHX	TF5-3	15041305	Feb. 27, 2022
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 09, 2022
7	643 Shield Room	ETS	6*4*3m	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EM	EM-6876-1	230	Apr. 28, 2022
2	Cable	N/A	RG 213/U	N/A	May 27, 2022
3	EMI Test Receiver	R&S	ESCI	100895	Feb. 27, 2022
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
5	966 Chambe Room	RM	9*6*6m	N/A	Jul. 24, 2022

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 15, 2022
2	Amplifier	HP	8447D	2944A08742	Feb. 28, 2022
3	Receiver	Agilent	N9038A	MY52130039	Mar. 19, 2022
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	May 20, 2022
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
8	966 Chambe Room	RM	9*6*6m	N/A	Jul. 24, 2022

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	May 10, 2022
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 30, 2022
3	Amplifier	Agilent	8449B	3008A02584	Jul. 10, 2022
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Feb. 28, 2022
5	Receiver	Agilent	N9038A	MY52130039	Mar. 19, 2022
6	Controller	CT	SC100	N/A	N/A
7	Controller	MF	MF-7802	MF780208416	N/A
8	Cable	N/A	EMC104-SM-SM-600	N/A	Oct. 16, 2021
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	Band Reject Filter	Micro-Tronics	BRC50705-01	10	Feb. 27, 2022
11	Band Reject Filter	Micro-Tronics	BRC50704-01	8	Feb. 27, 2022
12	Band Reject Filter	Micro-Tronics	BRC50703-01	7	Feb. 27, 2022
13	966 Chambe Room	RM	9*6*6m	N/A	Jul. 24, 2022

<b>Bandwidth &amp; Power Spectral Density</b>					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 10, 2022
2	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 07, 2022
3	RF Cable	Tongkaichuan	N/A	N/A	N/A
4	DC Block	Mini	N/A	N/A	N/A

<b>Maximum Output Power</b>					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Jul. 10, 2022
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jul. 10, 2022
3	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 07, 2022
4	RF Cable	Tongkaichuan	N/A	N/A	N/A

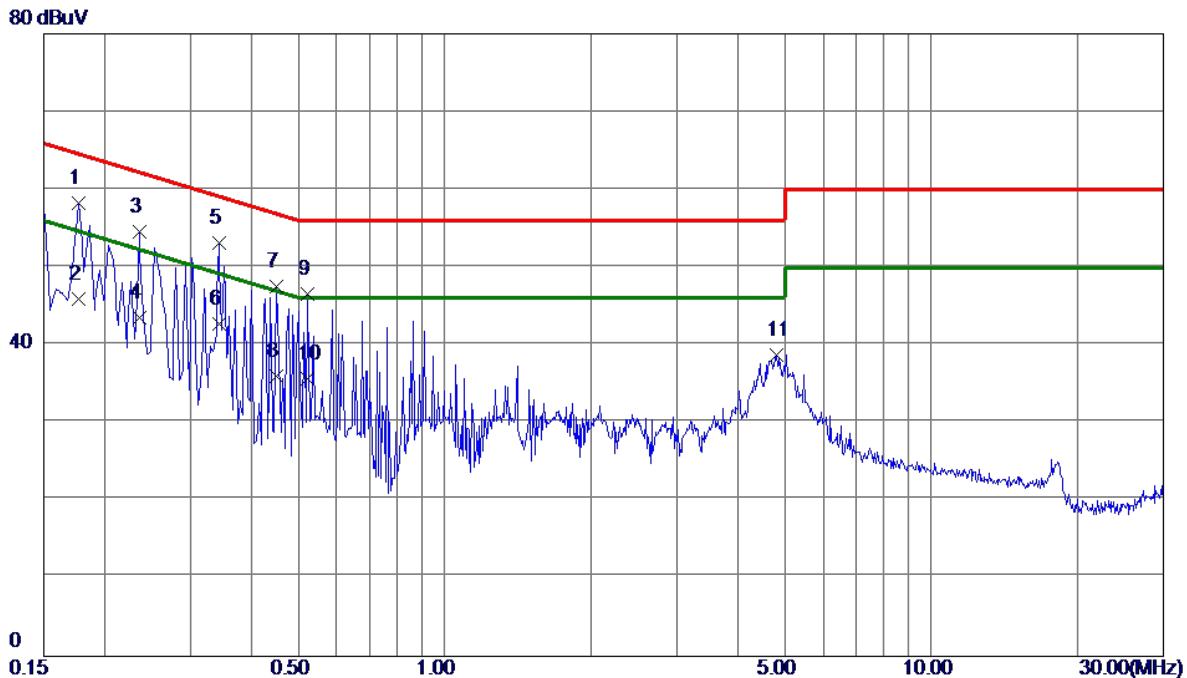
<b>Frequency Stability</b>					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 10, 2022
2	Precision Oven Tester	CEPREI	CEEC-M64T-40	15-008	Feb. 27, 2022
3	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 07, 2022
4	RF Cable	Tongkaichuan	N/A	N/A	N/A
5	DC Block	Mini	N/A	N/A	N/A

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

All calibration period of equipment list is one year.

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

Test Mode	TX A Mode Channel 36	Phase	Line
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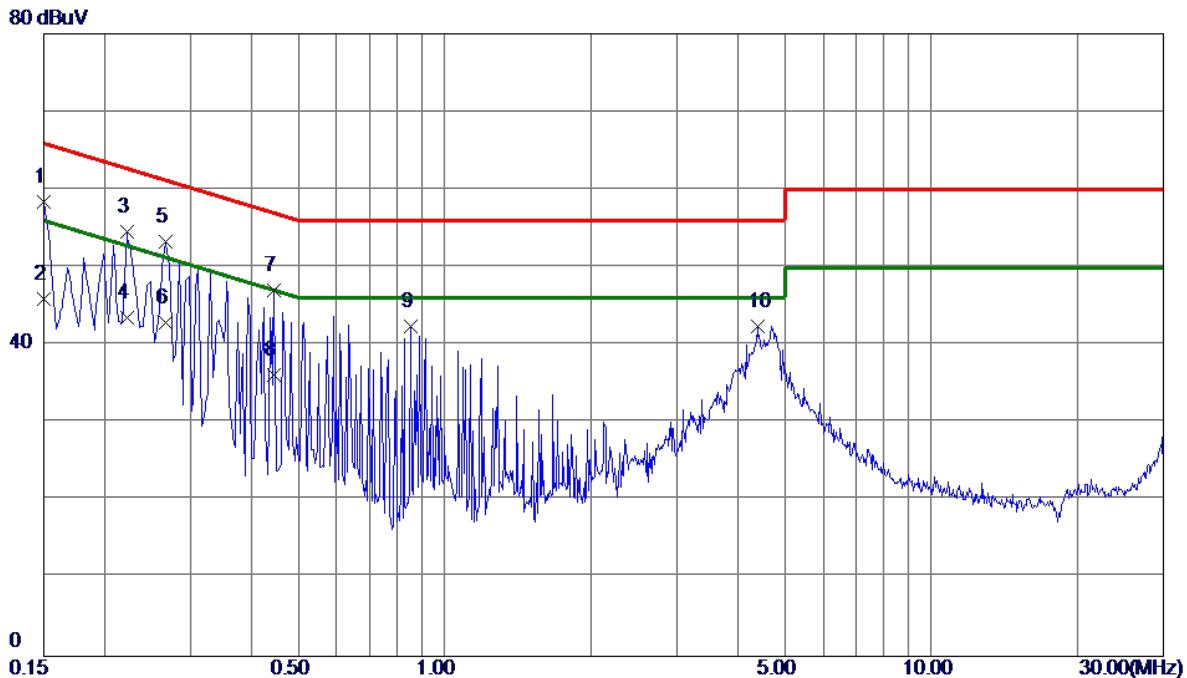


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dB	Margin dB	Margin	
							Detector	Comment
1	0.1770	48.41	9.84	58.25	64.63	-6.38	Peak	
2	0.1770	36.10	9.84	45.94	54.63	-8.69	AVG	
3	0.2355	44.63	9.88	54.51	62.25	-7.74	Peak	
4	0.2355	33.60	9.88	43.48	52.25	-8.77	AVG	
5 *	0.3435	43.23	9.89	53.12	59.12	-6.00	Peak	
6	0.3435	32.80	9.89	42.69	49.12	-6.43	AVG	
7	0.4515	37.66	9.92	47.58	56.85	-9.27	Peak	
8	0.4515	26.10	9.92	36.02	46.85	-10.83	AVG	
9	0.5235	36.63	9.93	46.56	56.00	-9.44	Peak	
10	0.5235	25.70	9.93	35.63	46.00	-10.37	AVG	
11	4.8075	28.46	10.26	38.72	56.00	-17.28	Peak	

## REMARKS:

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

Test Mode	TX A Mode Channel 36	Phase	Neutral
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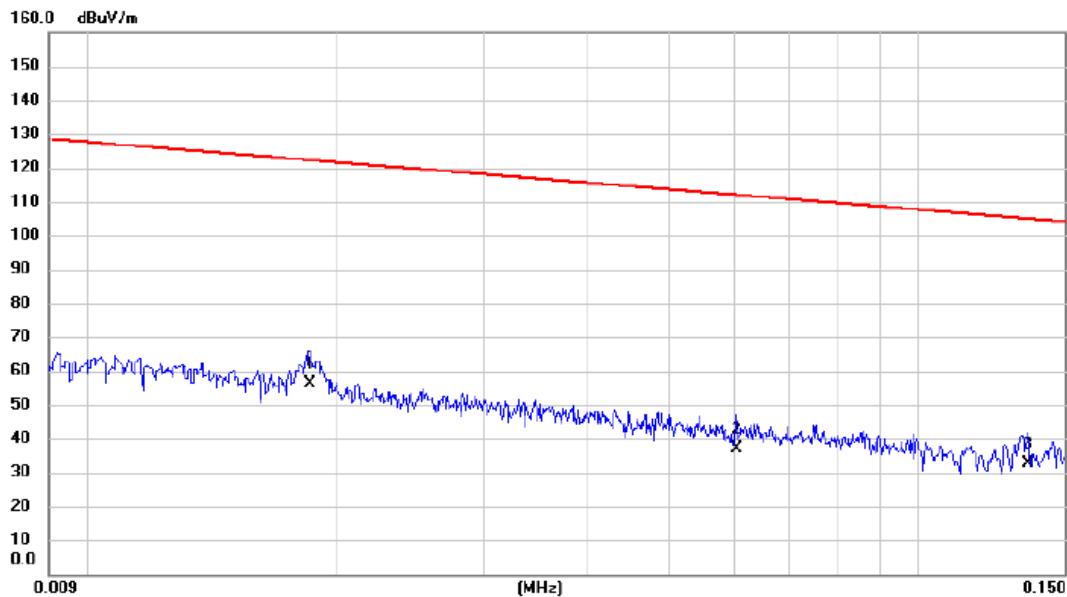
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV	dB	dBuV	dBuV	dB		
1 *	0.1500	48.60	9.74	58.34	66.00	-7.66	Peak	
2	0.1500	36.20	9.74	45.94	56.00	-10.06	AVG	
3	0.2220	44.63	9.99	54.62	62.74	-8.12	Peak	
4	0.2220	33.60	9.99	43.59	52.74	-9.15	AVG	
5	0.2670	43.36	9.98	53.34	61.21	-7.87	Peak	
6	0.2670	32.90	9.98	42.88	51.21	-8.33	AVG	
7	0.4470	36.96	10.09	47.05	56.93	-9.88	Peak	
8	0.4470	26.10	10.09	36.19	46.93	-10.74	AVG	
9	0.8520	32.21	10.23	42.44	56.00	-13.56	Peak	
10	4.4069	31.76	10.57	42.33	56.00	-13.67	Peak	

## REMARKS:

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

**APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ**

Test Mode	TX A Mode Channel 36	Polarization	Ant 0°
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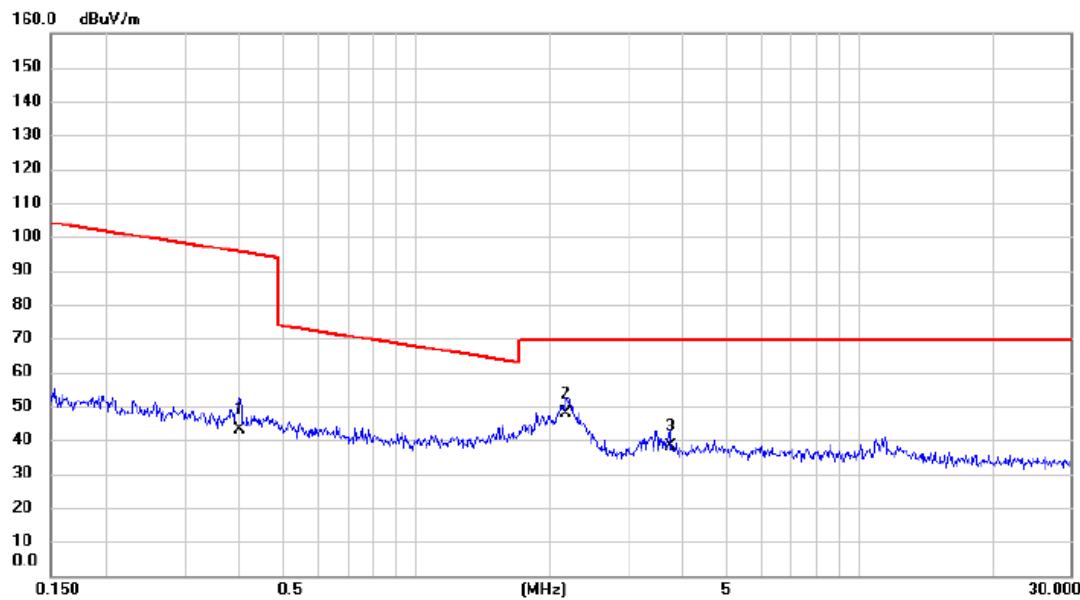


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	Degree	
			Level	Factor	ment						
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	0.0185	42.58	13.68	56.26	122.26	-66.00	AVG			
2		0.0603	24.67	12.48	37.15	112.00	-74.85	AVG			
3		0.1352	19.95	12.73	32.68	104.99	-72.31	AVG			

**REMARKS:**

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

Test Mode	TX A Mode Channel 36	Polarization	Ant 0°
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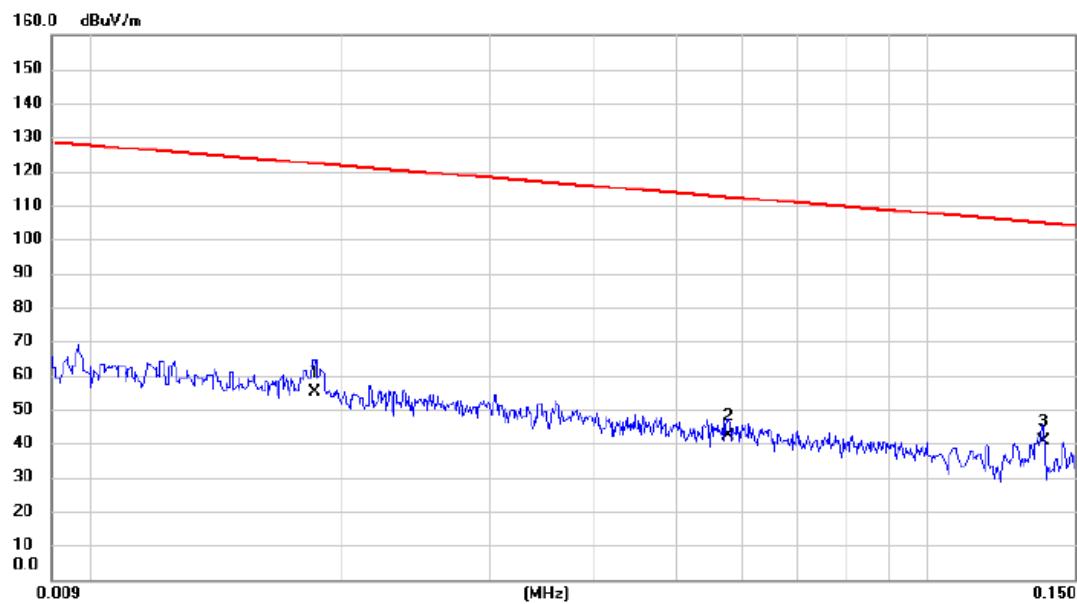


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	Degree
			Level	Factor	ment					
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		0.3997	30.75	12.26	43.01	95.57	-52.56	AVG		
2	*	2.1668	36.52	11.22	47.74	69.54	-21.80	QP		
3		3.7395	27.49	10.91	38.40	69.54	-31.14	QP		

## REMARKS:

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

Test Mode	TX A Mode Channel 36	Polarization	Ant 90°
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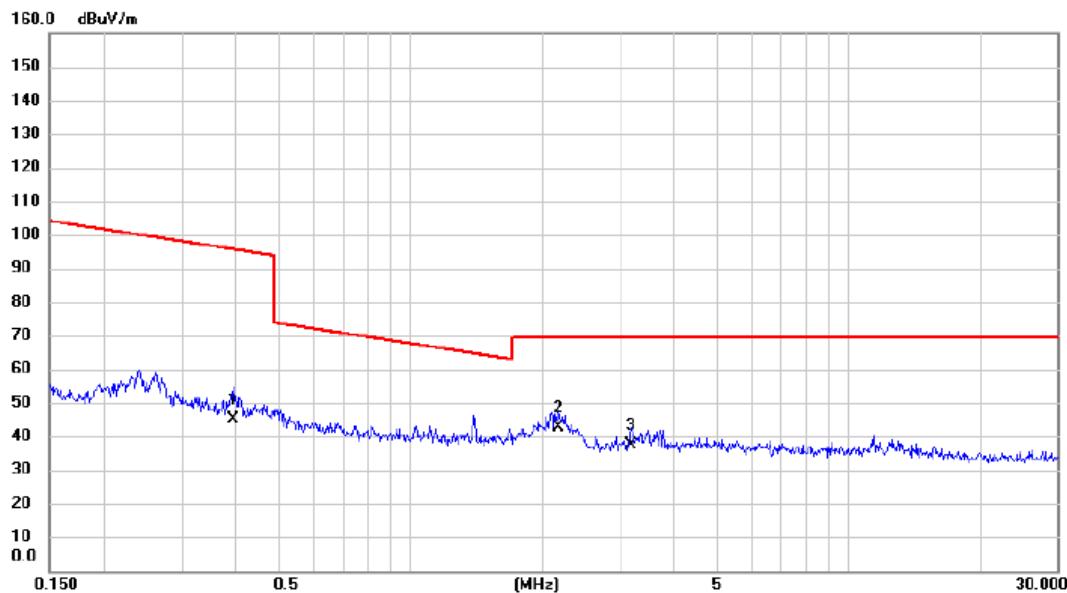


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	Degree
			Level	Factor	ment					
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		0.0185	41.28	13.68	54.96	122.26	-67.30	AVG		
2		0.0578	29.56	12.47	42.03	112.37	-70.34	AVG		
3	*	0.1371	27.84	12.73	40.57	104.87	-64.30	AVG		

**REMARKS:**

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

Test Mode	TX A Mode Channel 36	Polarization	Ant 90°
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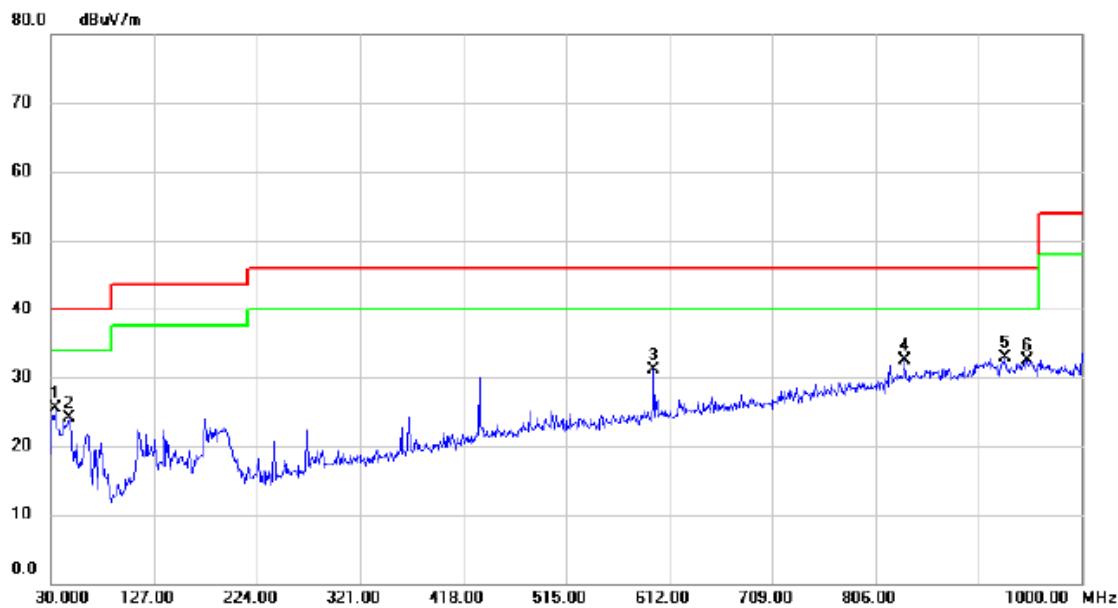
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	Degree
			Level	Factor	ment					
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		0.3933	32.59	12.28	44.87	95.71	-50.84	AVG		
2	*	2.1783	31.48	11.21	42.69	69.54	-26.85	QP		
3		3.1900	26.54	10.83	37.37	69.54	-32.17	QP		

## REMARKS:

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

**APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ**

Test Mode	TX A Mode Channel 36	Polarization	Vertical
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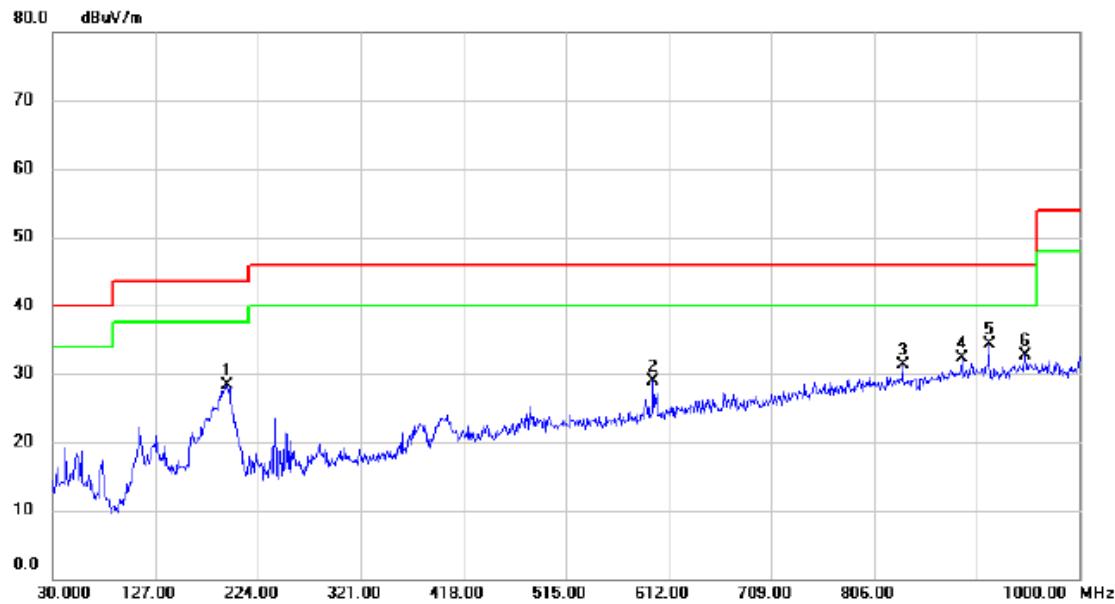


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
1		34.8500	40.41	-14.99	25.42	40.00	-14.58	peak	
2		47.4600	37.97	-13.86	24.11	40.00	-15.89	peak	
3		597.4500	35.68	-4.62	31.06	46.00	-14.94	peak	
4		833.1600	33.09	-0.66	32.43	46.00	-13.57	peak	
5	*	928.2200	31.83	1.14	32.97	46.00	-13.03	peak	
6		948.5900	30.69	1.76	32.45	46.00	-13.55	peak	

## REMARKS:

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

Test Mode	TX A Mode Channel 36	Polarization	Vertical
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		194.9000	43.55	-15.17	28.38	43.50	-15.12	peak
2		597.4500	33.48	-4.62	28.86	46.00	-17.14	peak
3		833.1600	32.02	-0.66	31.36	46.00	-14.64	peak
4		889.4200	32.21	0.09	32.30	46.00	-13.70	peak
5	*	914.6400	33.58	0.72	34.30	46.00	-11.70	peak
6		948.5900	30.95	1.76	32.71	46.00	-13.29	peak

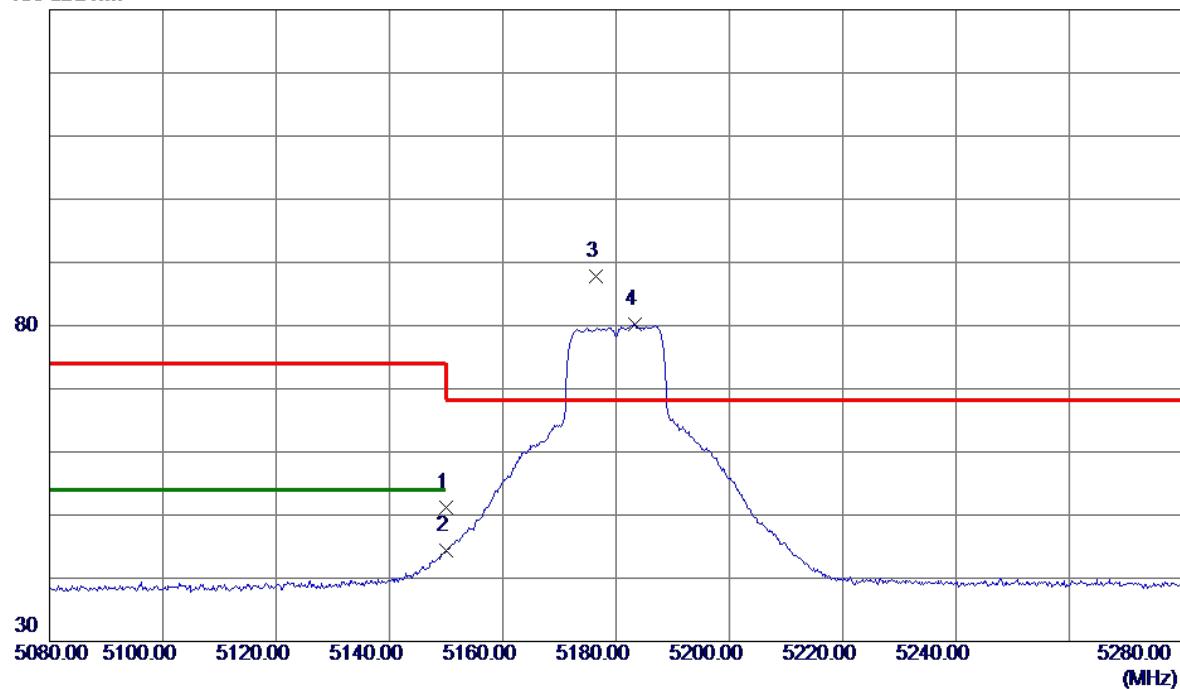
## REMARKS:

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

**APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ**

Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Vertical
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130 dBuV/m

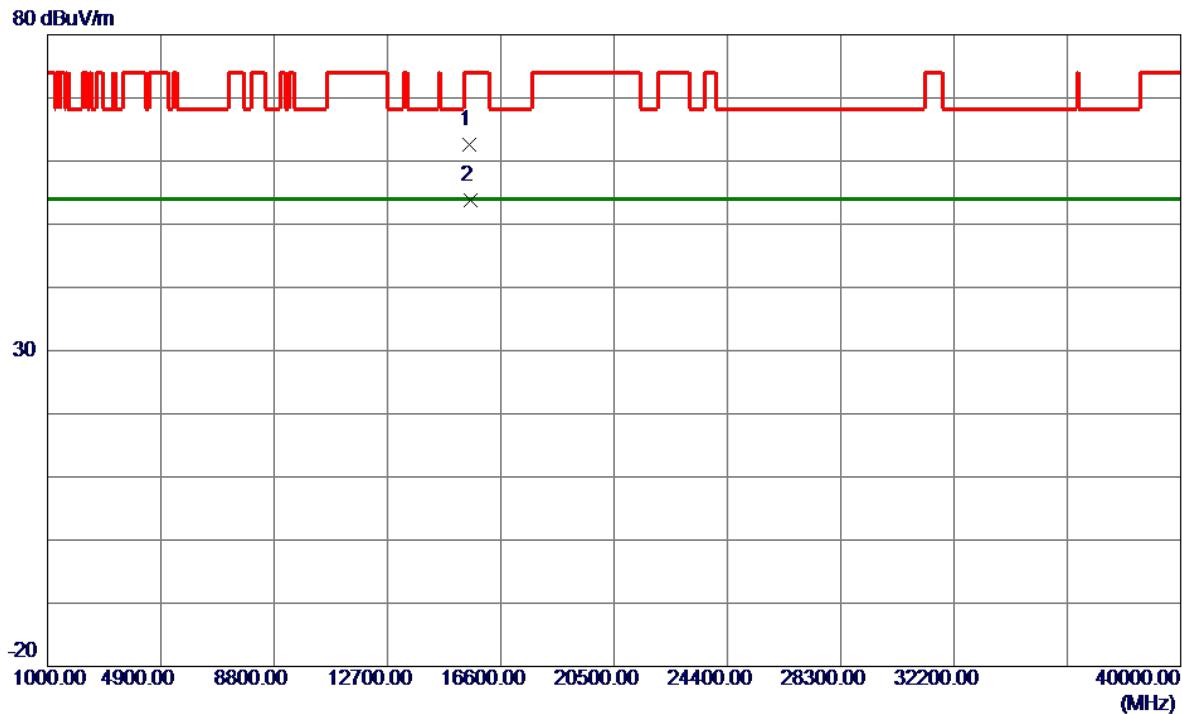


No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5150.0000	44.89	6.28	51.17	74.00	-22.83	Peak	
2	5150.0000	38.07	6.28	44.35	54.00	-9.65	AVG	
3 *	5176.5000	81.43	6.31	87.74	68.20	19.54	Peak	No Limit
4	5183.4000	73.82	6.32	80.14	999.00	-918.86	AVG	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Vertical
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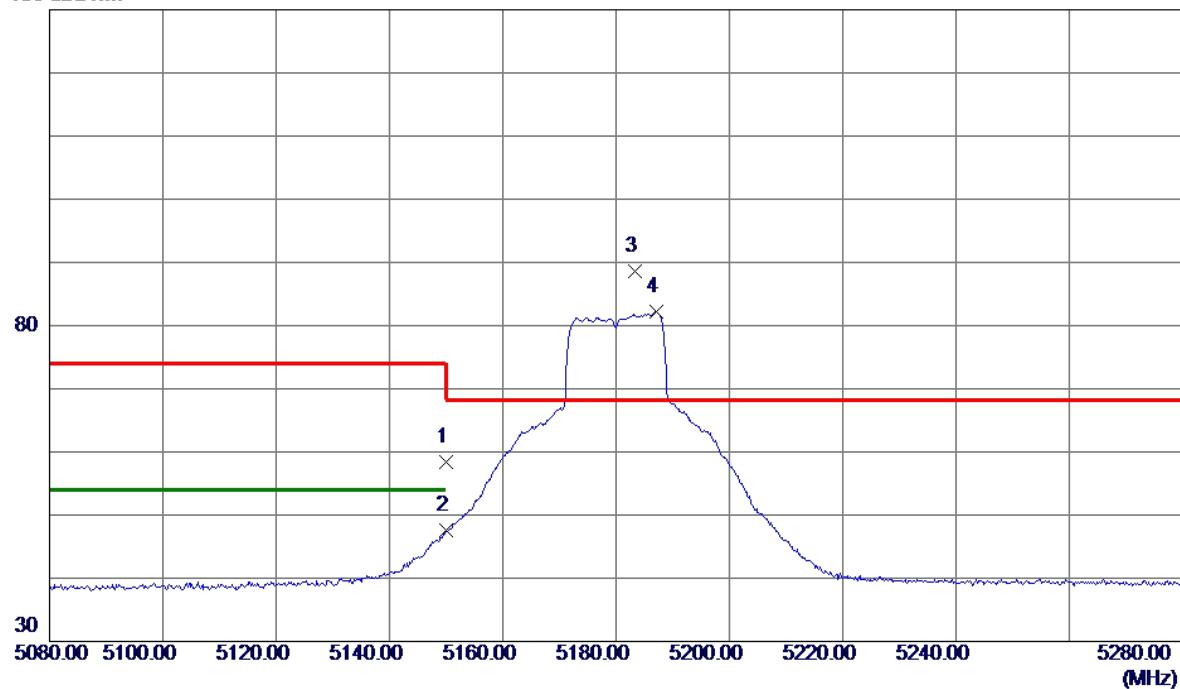
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	15538.1500	46.49	16.03	62.52	74.00	-11.48	Peak
2 *	15539.9000	37.68	16.03	53.71	54.00	-0.29	AVG

**REMARKS:**

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

Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Horizontal
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130 dBuV/m



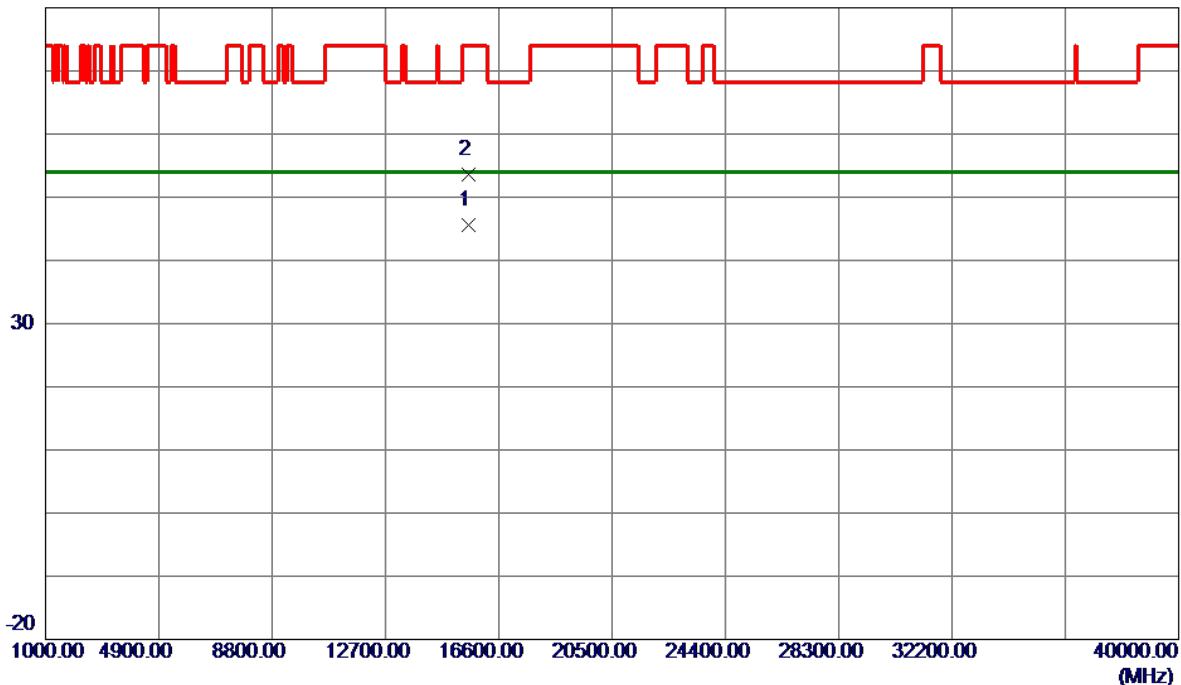
No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5150.0000	52.13	6.28	58.41	74.00	-15.59	Peak	
2	5150.0000	41.24	6.28	47.52	54.00	-6.48	AVG	
3 *	5183.3000	82.26	6.32	88.58	68.20	20.38	Peak	No Limit
4	5187.2000	75.87	6.32	82.19	999.00	-916.81	AVG	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Horizontal
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80 dBuV/m



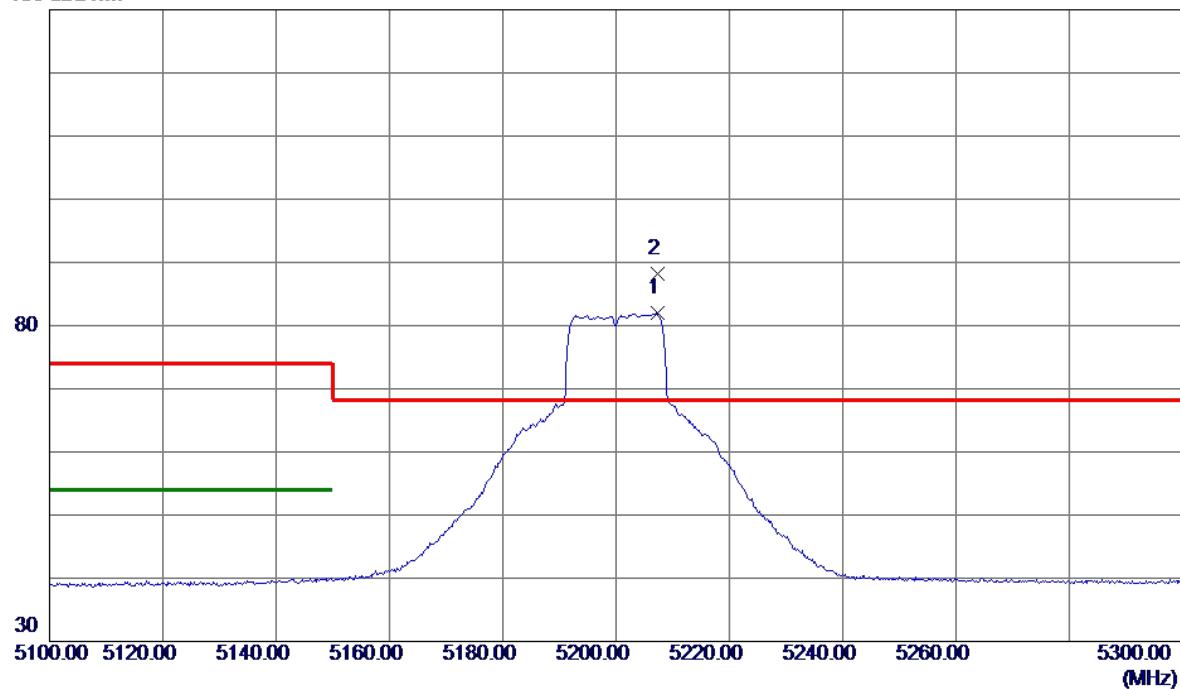
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	15542.5000	29.54	16.03	45.57	54.00	-8.43	AVG	
2	15545.8500	37.54	16.03	53.57	74.00	-20.43	Peak	

**REMARKS:**

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

Test Mode	UNII-1_TX A Mode 5200 MHz	Polarization	Vertical
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130 dBuV/m

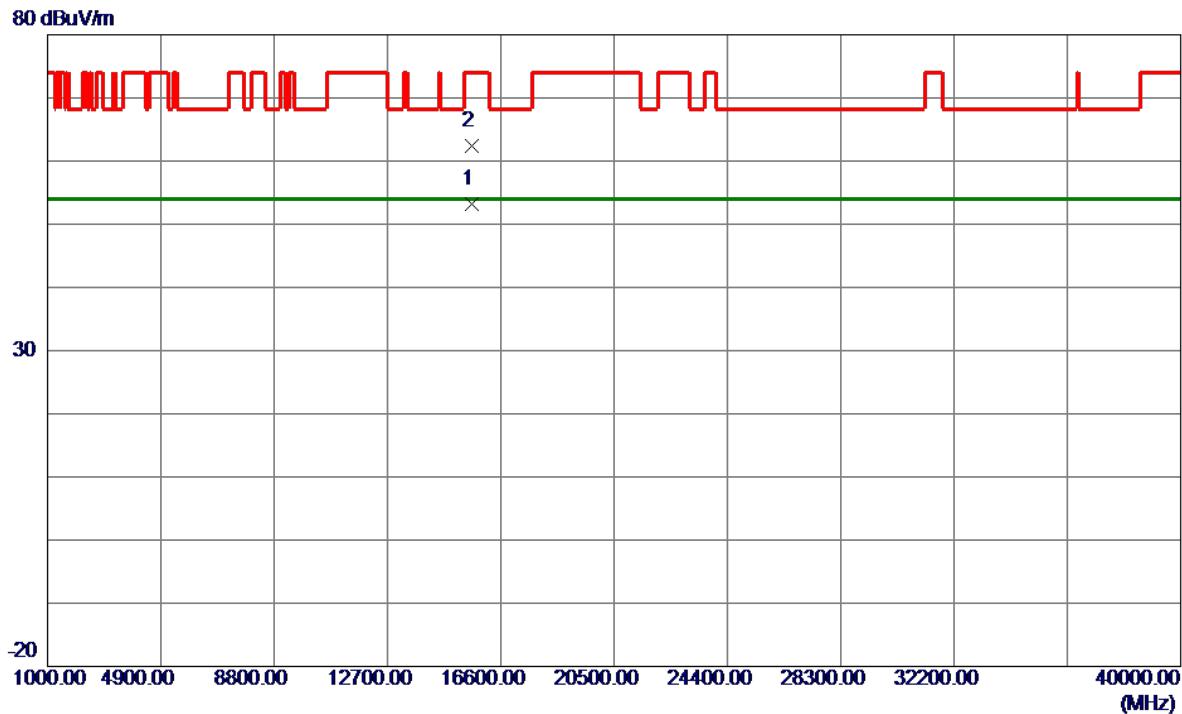


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	5207.3000	75.60	6.35	81.95	999.00	-917.05	AVG
2 *	5207.4000	81.82	6.35	88.17	68.20	19.97	Peak

## REMARKS:

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

Test Mode	UNII-1_TX A Mode 5200 MHz	Polarization	Vertical
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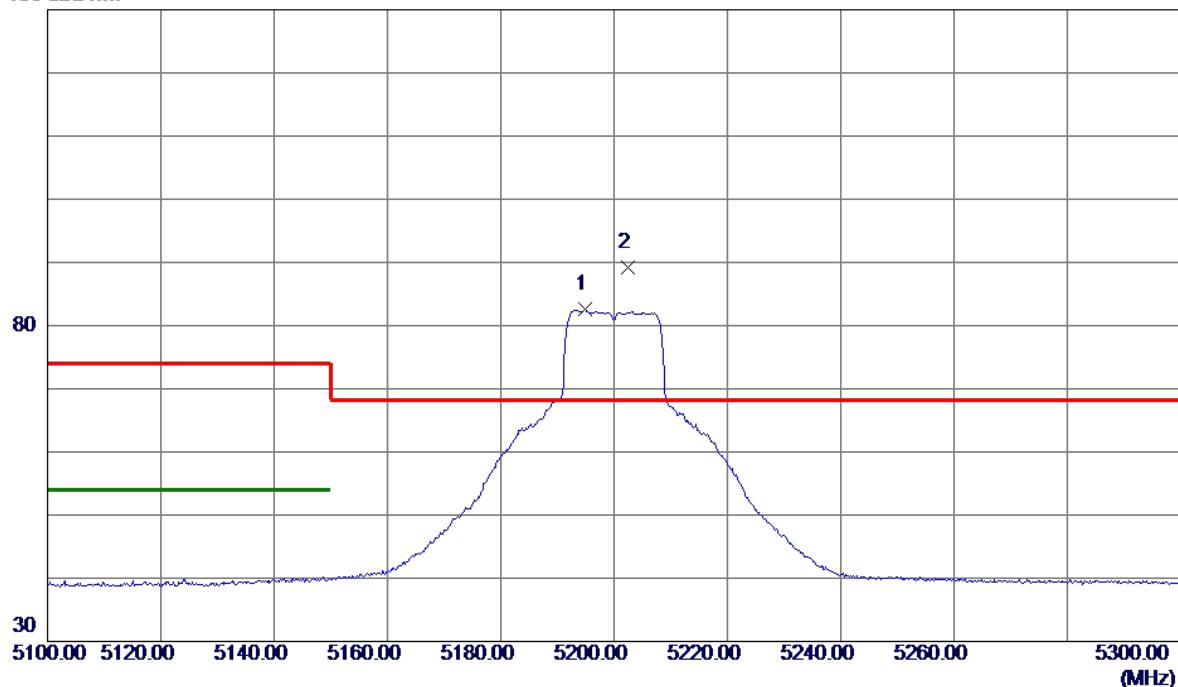
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	15599.1500	37.18	16.04	53.22	54.00	-0.78	AVG	
2	15610.3500	46.37	16.04	62.41	74.00	-11.59	Peak	

## REMARKS:

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

Test Mode	UNII-1_TX A Mode 5200 MHz	Polarization	Horizontal
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130 dBuV/m

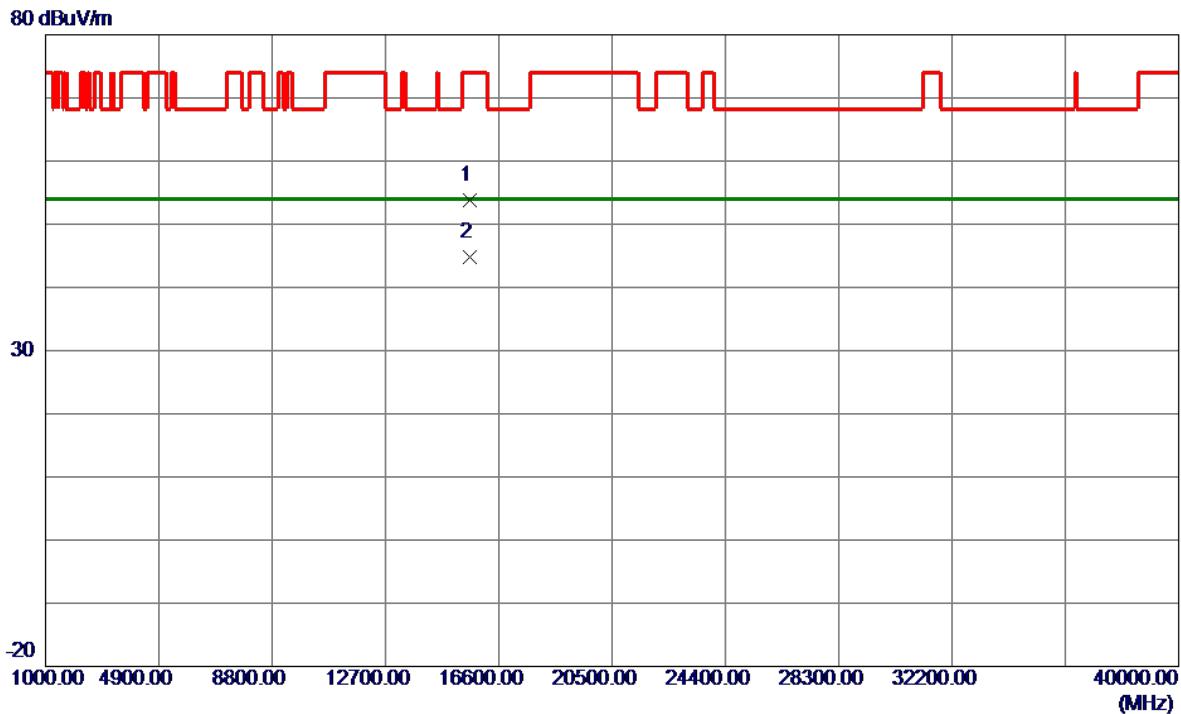


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5194.8000	76.18	6.33	82.51	999.00	-916.49	AVG	No Limit
2 *	5202.4000	82.78	6.34	89.12	68.20	20.92	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX A Mode 5200 MHz	Polarization	Horizontal
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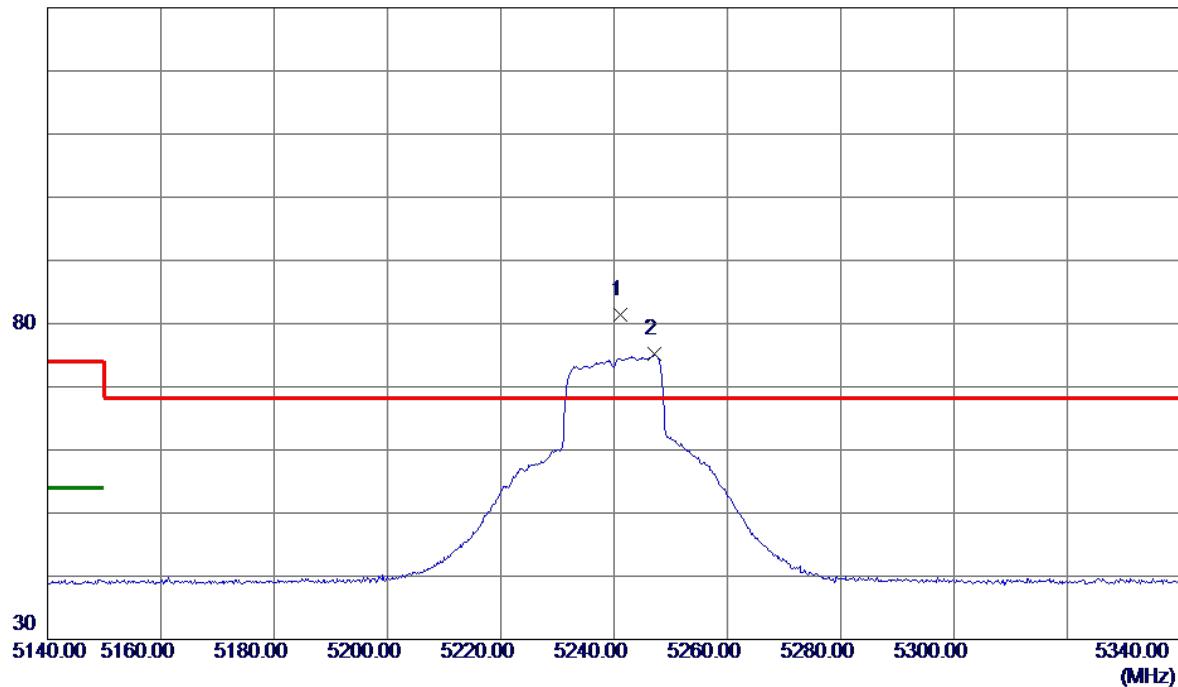
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	15599.4500	37.84	16.04	53.88	74.00	-20.12	Peak
2 *	15599.5500	28.70	16.04	44.74	54.00	-9.26	AVG

## REMARKS:

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

Test Mode	UNII-1_TX A Mode 5240 MHz	Polarization	Vertical
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130 dBuV/m



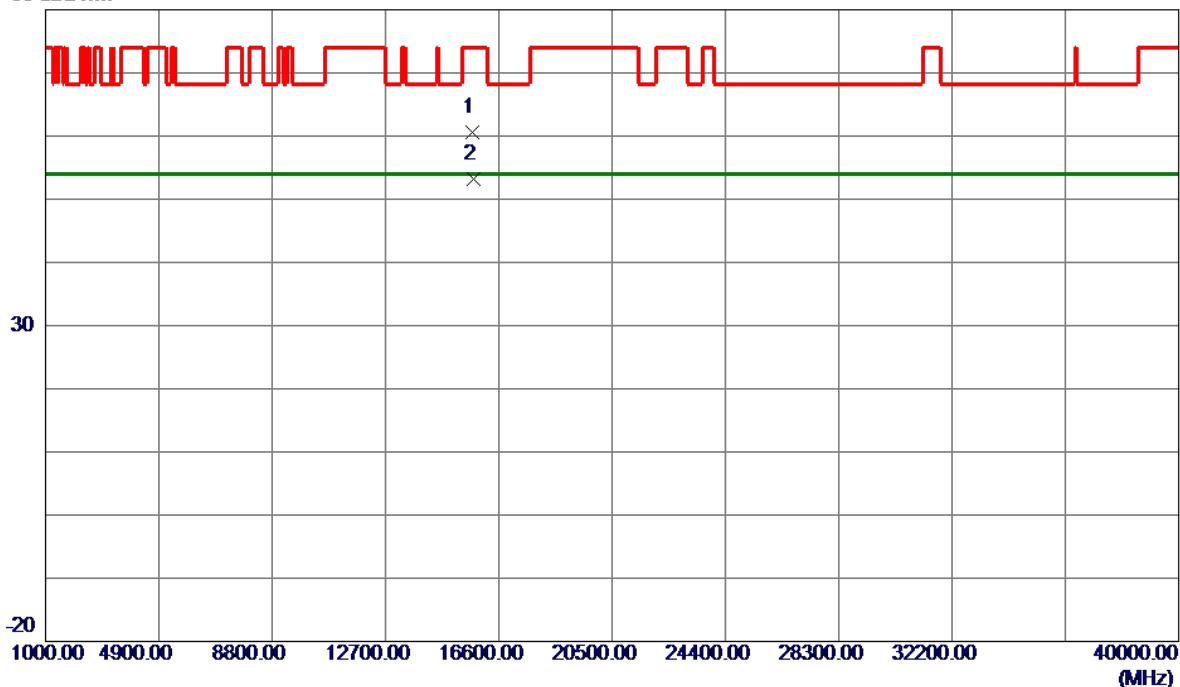
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	5241.1000	74.98	6.38	81.36	68.20	13.16	Peak
2	5247.2000	68.72	6.39	75.11	999.00	-923.89	AVG

## REMARKS:

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

Test Mode	UNII-1_TX A Mode 5240 MHz	Polarization	Vertical
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80 dBuV/m



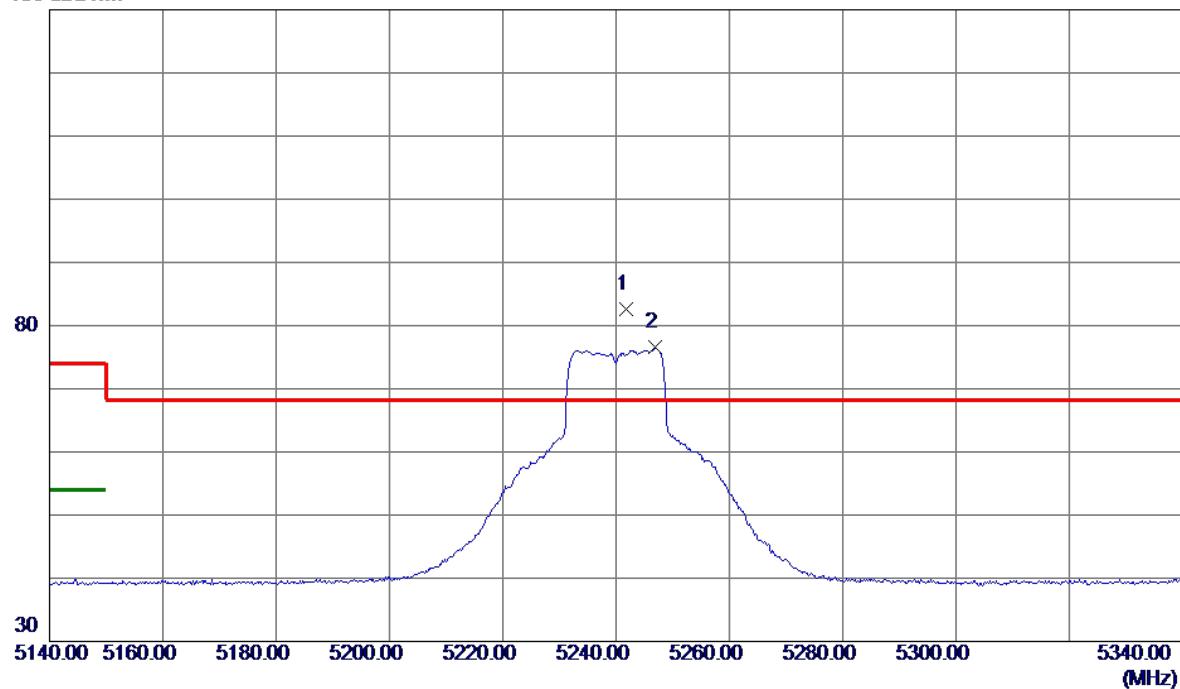
No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	15711.1250	44.52	16.06	60.58	74.00	-13.42	Peak	
2 *	15714.4750	37.13	16.06	53.19	54.00	-0.81	AVG	

## REMARKS:

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

Test Mode	UNII-1_TX A Mode 5240 MHz	Polarization	Horizontal
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130 dBuV/m

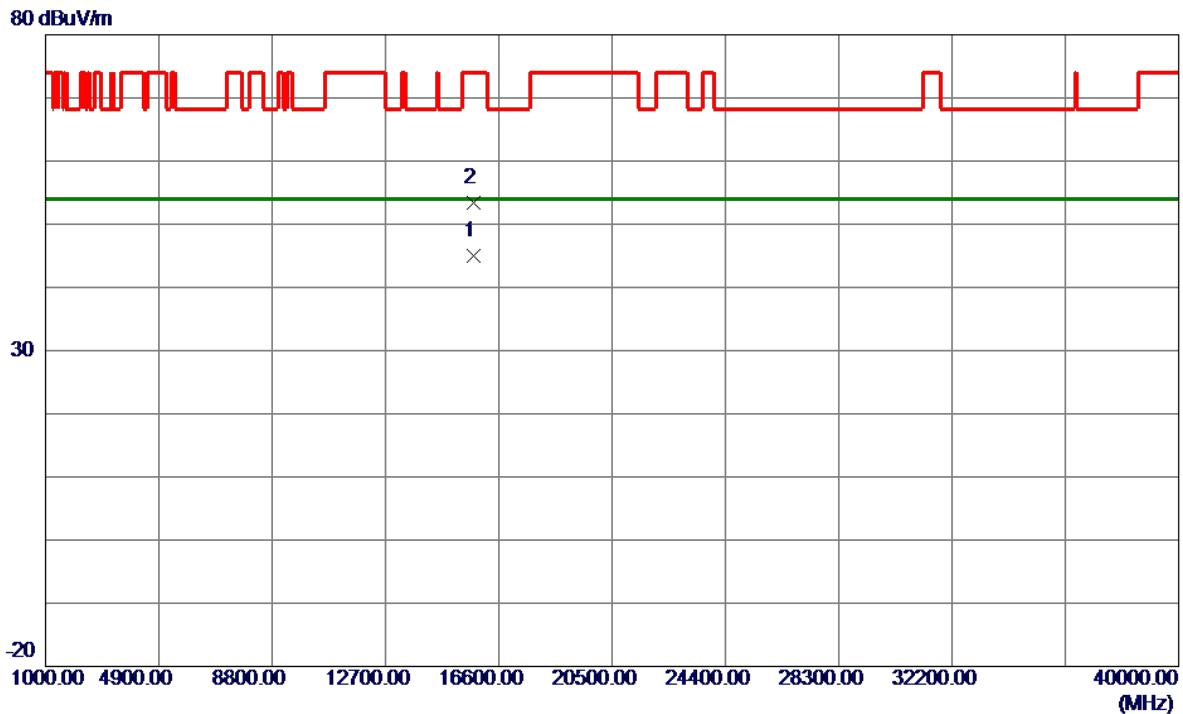


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5241.7000	76.30	6.38	82.68	68.20	14.48	Peak	No Limit
2	5246.8000	70.14	6.39	76.53	999.00	-922.47	AVG	No Limit

## REMARKS:

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

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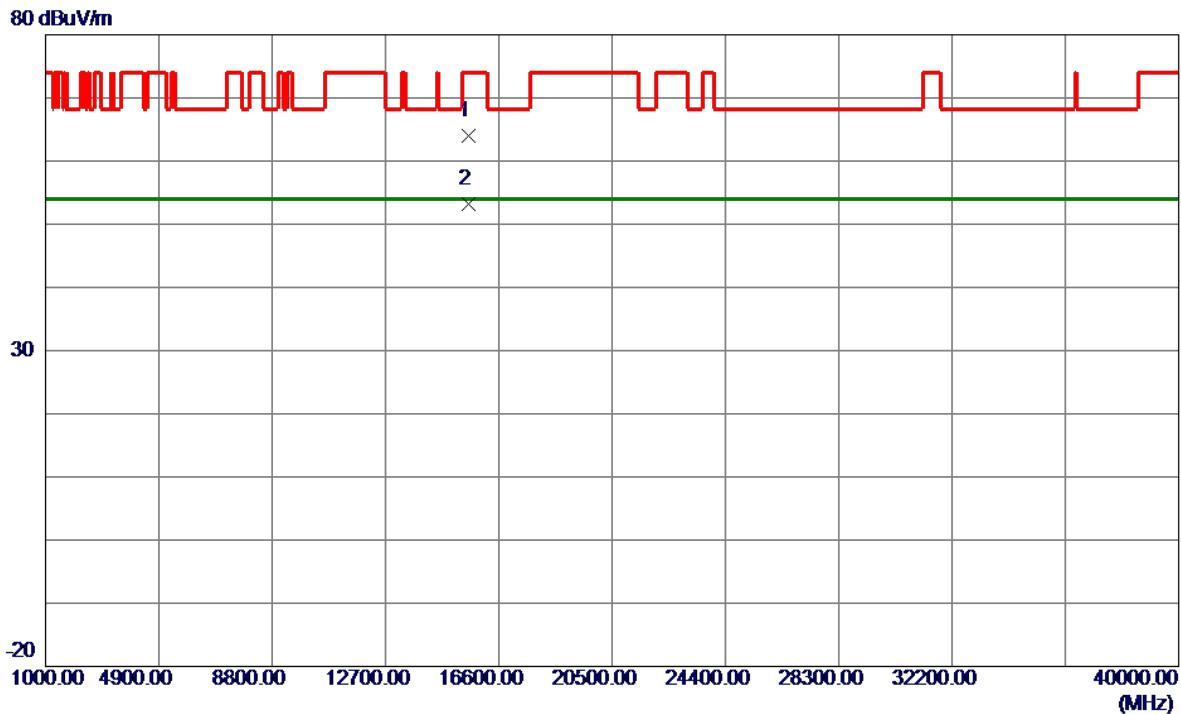


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	15714.2250	28.96	16.06	45.02	54.00	-8.98	AVG
2	15715.1500	37.34	16.06	53.40	74.00	-20.60	Peak

**REMARKS:**

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

Test Mode	UNII-1_TX N(HT20) Mode 5180 MHz	Polarization	Vertical
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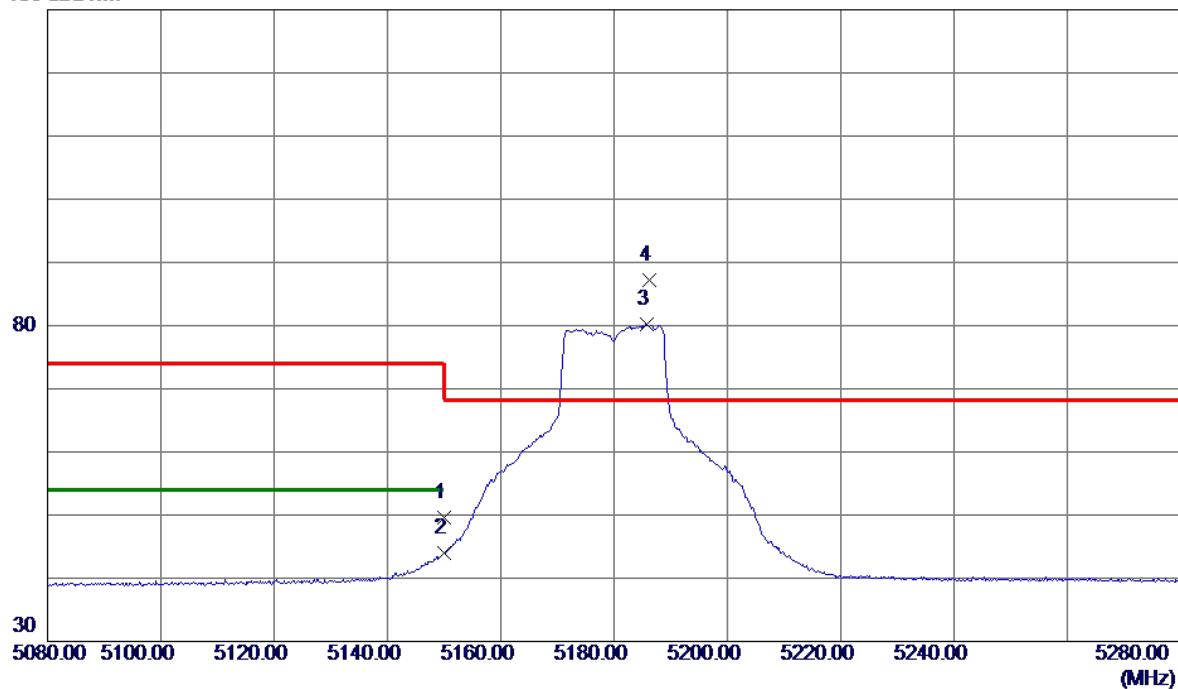
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	15541.3500	47.90	16.03	63.93	74.00	-10.07	Peak
2 *	15543.5500	37.13	16.03	53.16	54.00	-0.84	AVG

**REMARKS:**

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

Test Mode	UNII-1_TX N(HT20) Mode 5180 MHz	Polarization	Horizontal
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130 dBuV/m



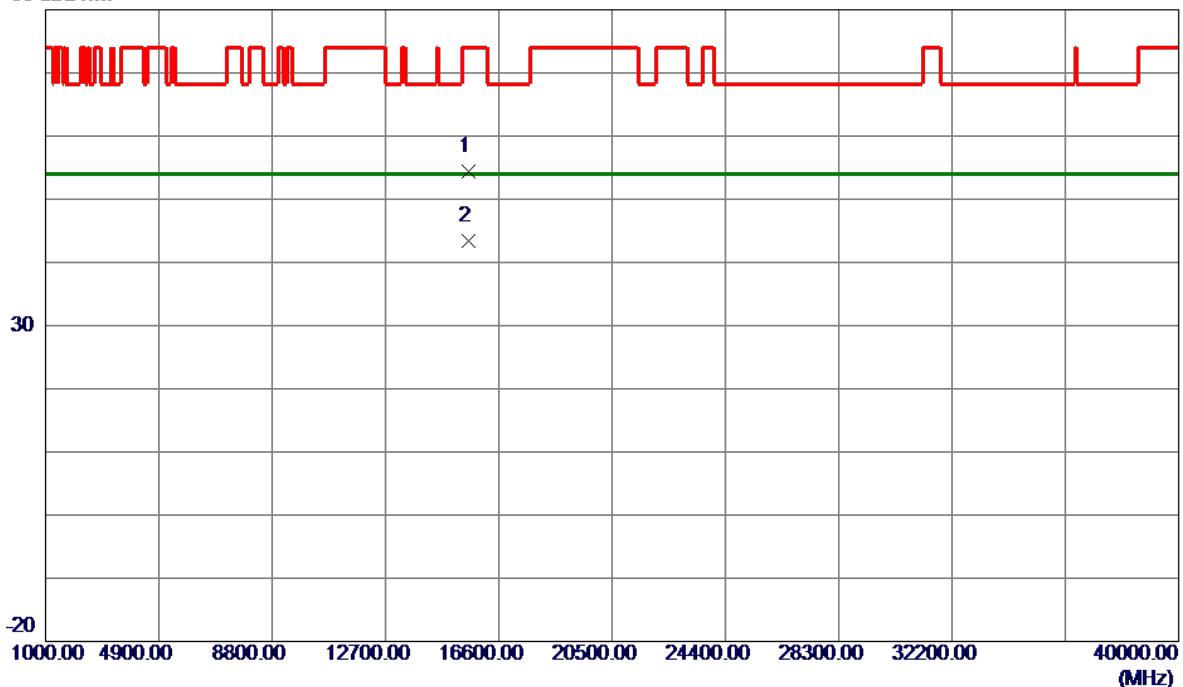
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5150.0000	43.28	6.28	49.56	74.00	-24.44	Peak	
2	5150.7000	37.63	6.28	43.91	54.00	-10.09	AVG	
3	5185.7000	73.85	6.32	80.17	999.00	-918.83	AVG	No Limit
4 *	5186.3000	80.90	6.32	87.22	68.20	19.02	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX N(HT20) Mode 5180 MHz	Polarization	Horizontal
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80 dBuV/m



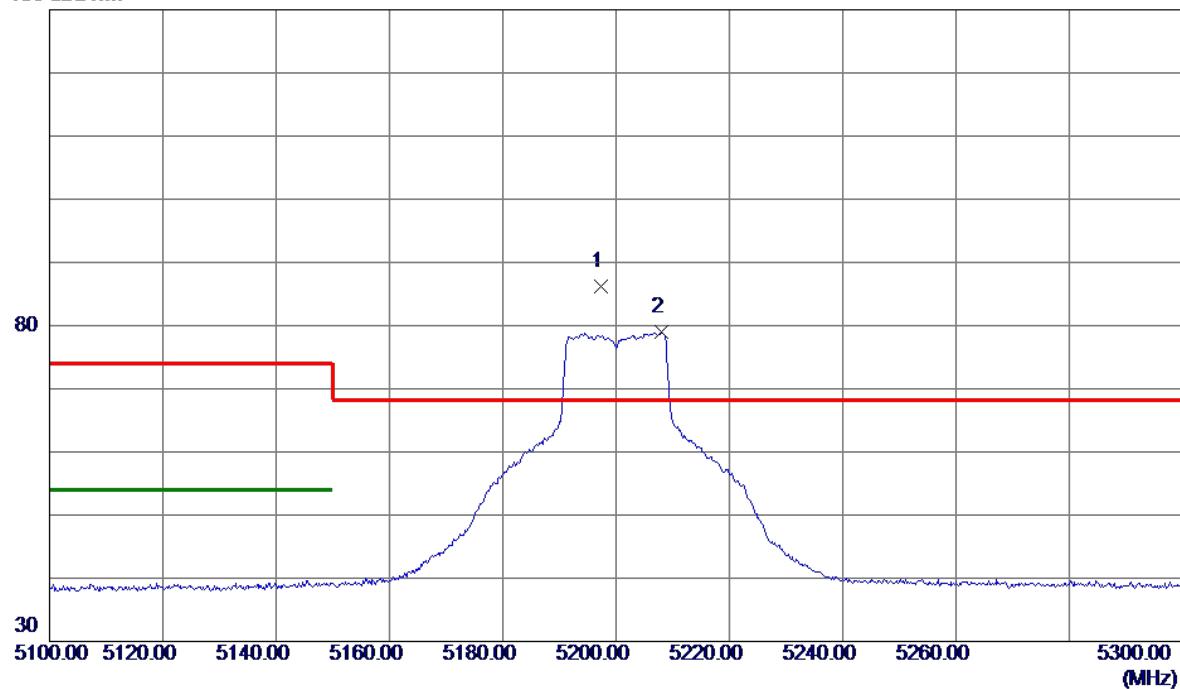
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1	15542.6500	38.43	16.03	54.46	74.00	-19.54	Peak	
2 *	15544.1500	27.43	16.03	43.46	54.00	-10.54	AVG	

## REMARKS:

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

Test Mode	UNII-1_TX N(HT20) Mode 5200 MHz	Polarization	Vertical
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130 dBuV/m

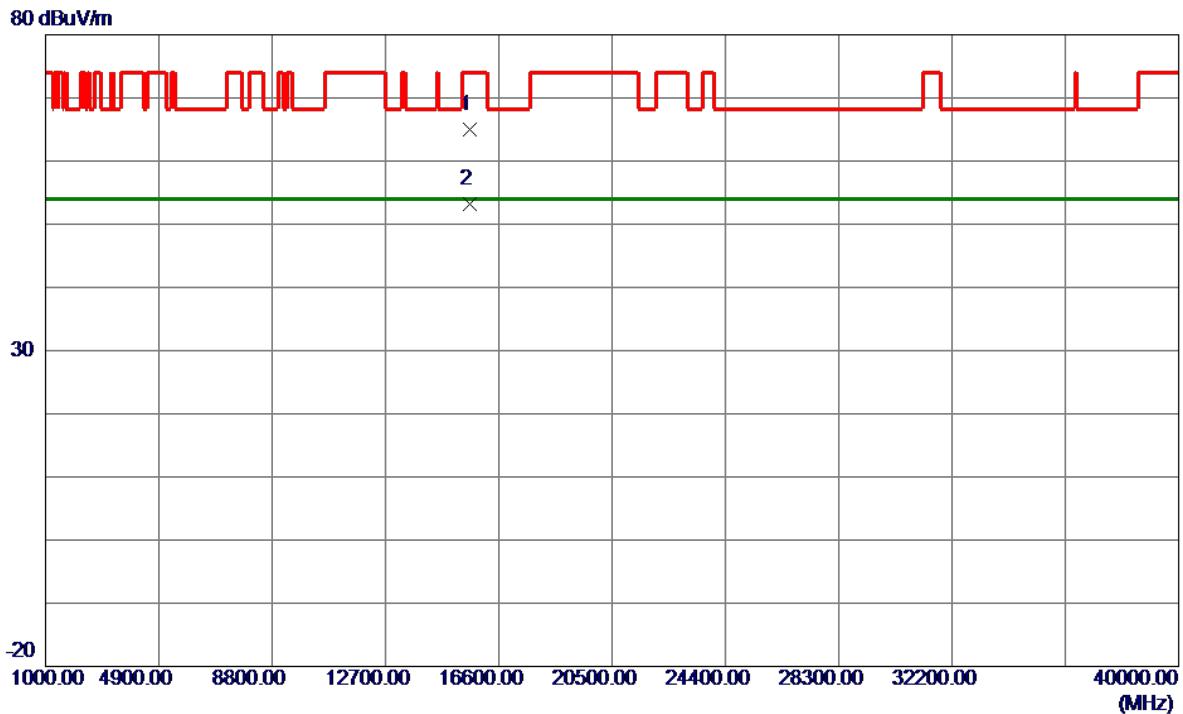


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5197.4000	79.79	6.34	86.13	68.20	17.93	Peak	No Limit
2	5208.1000	72.58	6.35	78.93	999.00	-920.07	AVG	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX N(HT20) Mode 5200 MHz	Polarization	Vertical
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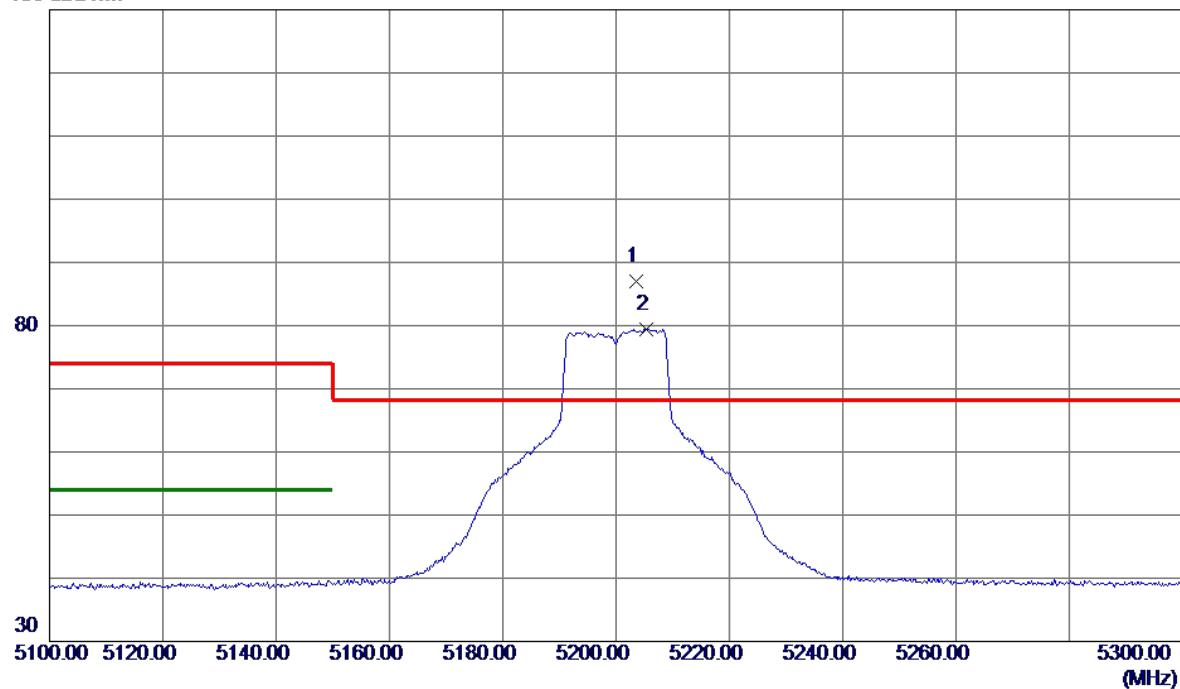
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	15600.9500	49.01	16.04	65.05	74.00	-8.95	Peak
2 *	15603.7750	37.23	16.04	53.27	54.00	-0.73	AVG

**REMARKS:**

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

Test Mode	UNII-1_TX N(HT20) Mode 5200 MHz	Polarization	Horizontal
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130 dBuV/m



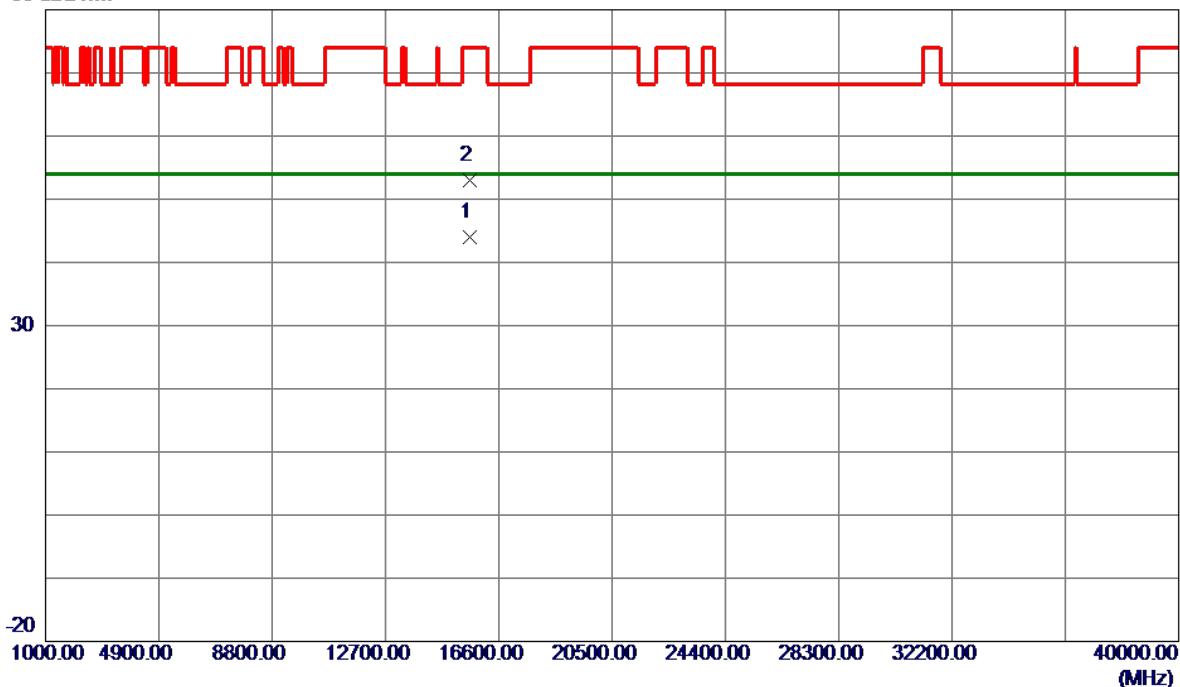
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	5203.5000	80.57	6.34	86.91	68.20	18.71	Peak
2	5205.3000	73.15	6.34	79.49	999.00	-919.51	AVG

## REMARKS:

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

Test Mode	UNII-1_TX N(HT20) Mode 5200 MHz	Polarization	Horizontal
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80 dBuV/m



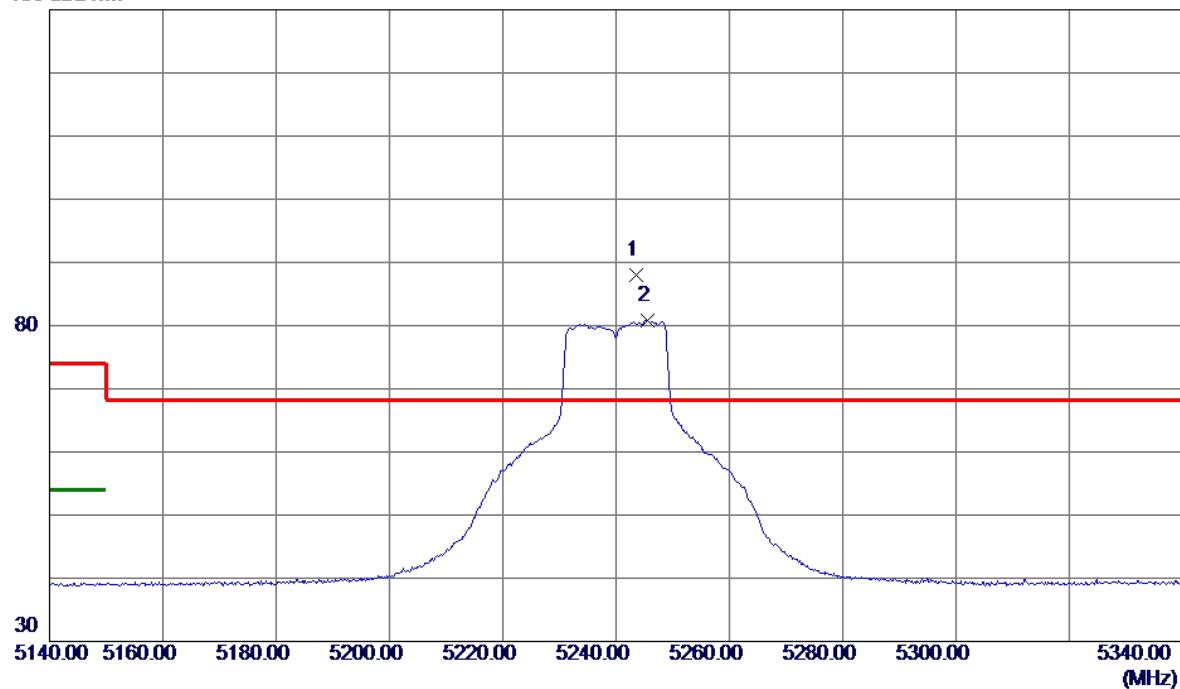
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	15600.4250	27.96	16.04	44.00	54.00	-10.00	AVG
2	15611.9250	36.95	16.04	52.99	74.00	-21.01	Peak

## REMARKS:

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

Test Mode	UNII-1_TX N(HT20) Mode 5240 MHz	Polarization	Vertical
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130 dBuV/m

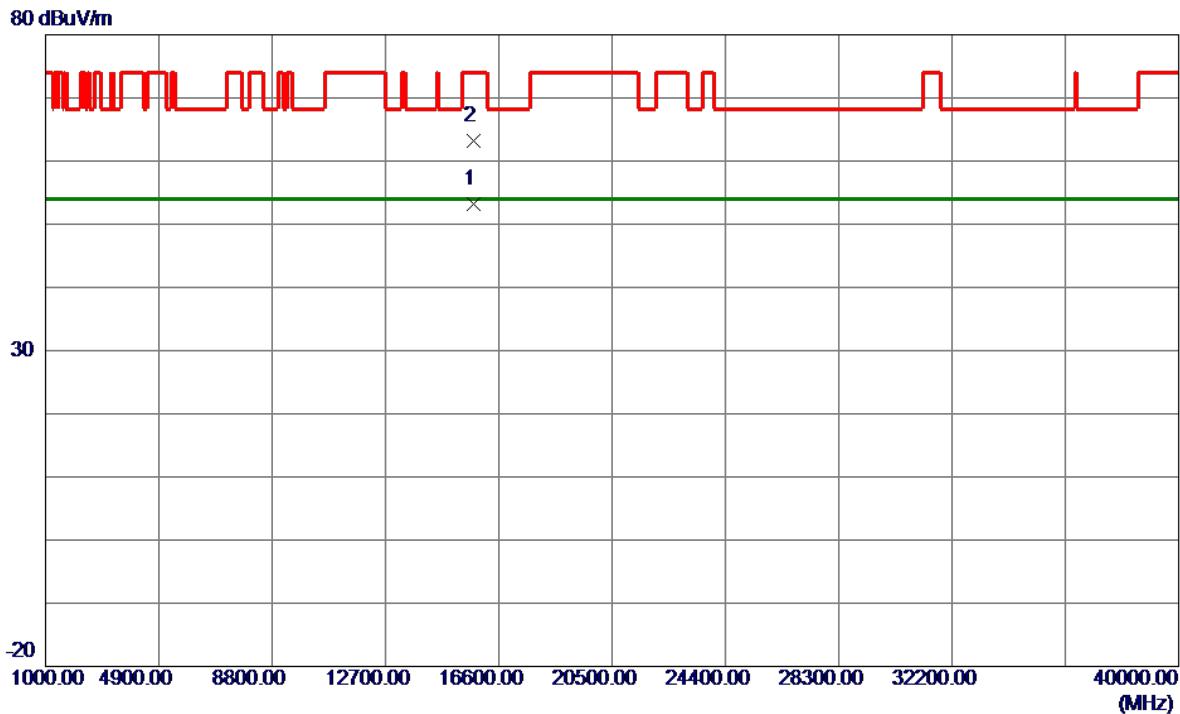


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5243.6000	81.70	6.39	88.09	68.20	19.89	Peak	No Limit
2	5245.6000	74.43	6.39	80.82	999.00	-918.18	AVG	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX N(HT20) Mode 5240 MHz	Polarization	Vertical
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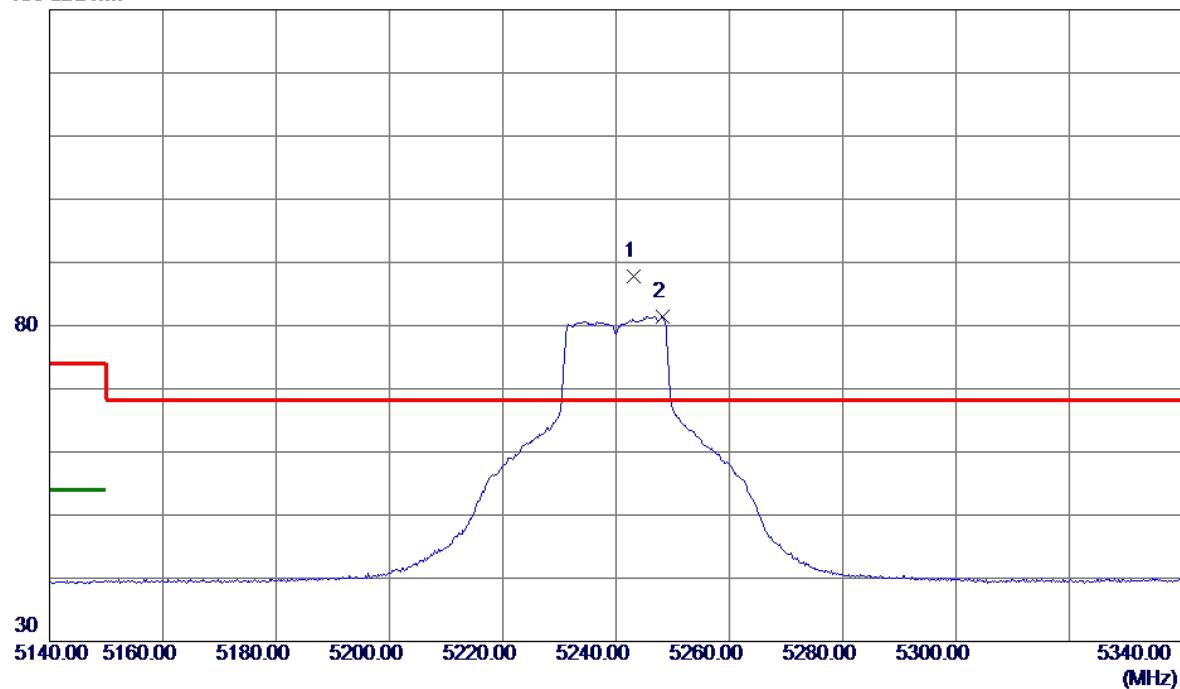
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	15715.5750	37.15	16.06	53.21	54.00	-0.79	AVG	
2	15716.5000	47.17	16.06	63.23	74.00	-10.77	Peak	

## REMARKS:

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

Test Mode	UNII-1_TX N(HT20) Mode 5240 MHz	Polarization	Horizontal
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130 dBuV/m



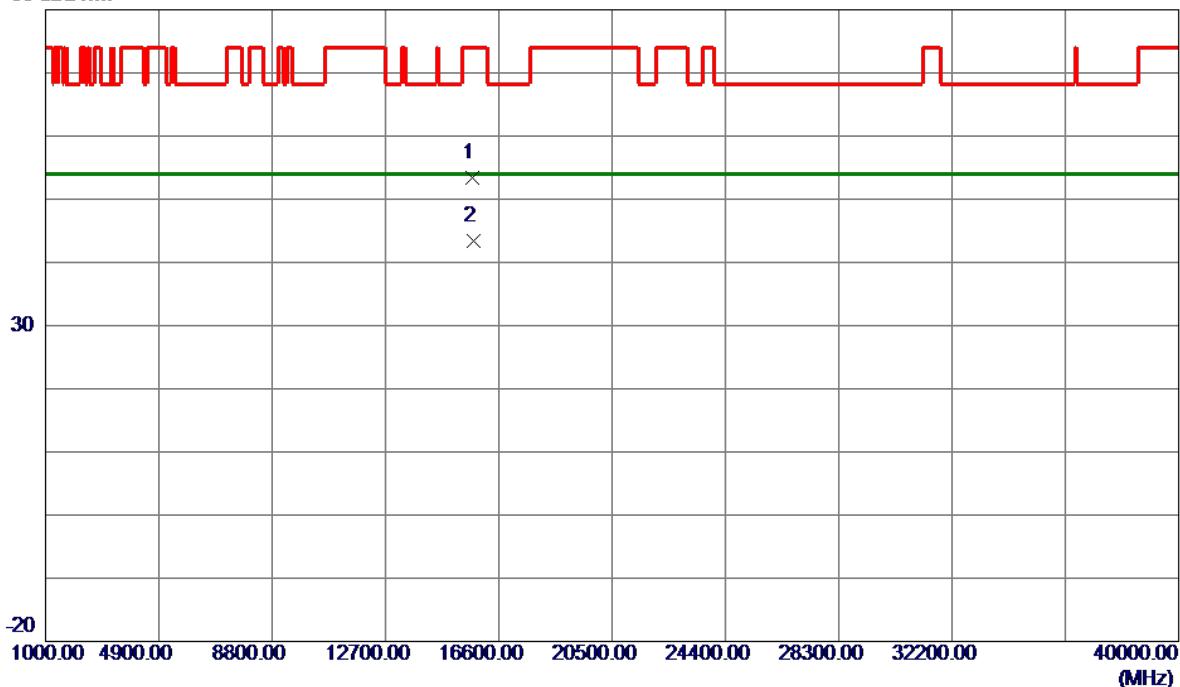
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	5243.1000	81.42	6.38	87.80	68.20	19.60	Peak
2	5248.2000	75.08	6.39	81.47	999.00	-917.53	AVG

## REMARKS:

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

Test Mode	UNII-1_TX N(HT20) Mode 5240 MHz	Polarization	Horizontal
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80 dBuV/m



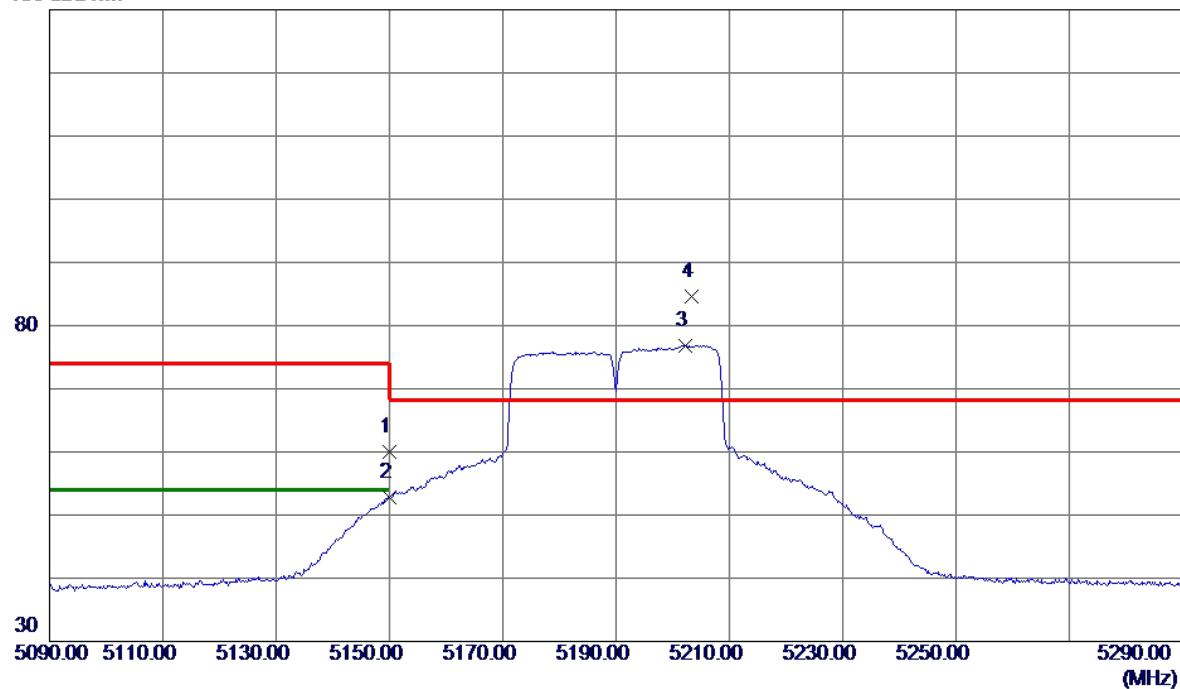
No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	15710.5250	37.42	16.06	53.48	74.00	-20.52	Peak	
2 *	15715.5750	27.28	16.06	43.34	54.00	-10.66	AVG	

## REMARKS:

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

Test Mode	UNII-1_TX N(HT40) Mode 5190 MHz	Polarization	Vertical
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130 dBuV/m



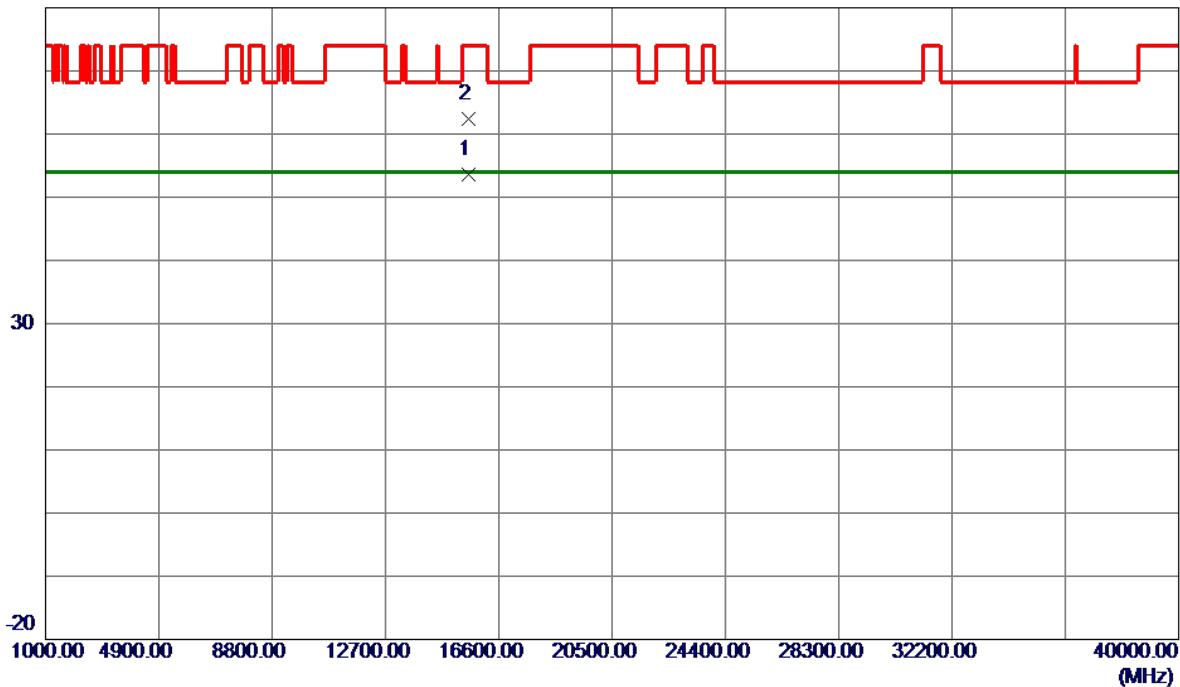
No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5150.0000	53.67	6.28	59.95	74.00	-14.05	Peak	
2	5150.0000	46.54	6.28	52.82	54.00	-1.18	AVG	
3	5202.3000	70.45	6.34	76.79	999.00	-922.21	AVG	No Limit
4 *	5203.3000	78.33	6.34	84.67	68.20	16.47	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX N(HT40) Mode 5190 MHz	Polarization	Vertical
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80 dBuV/m



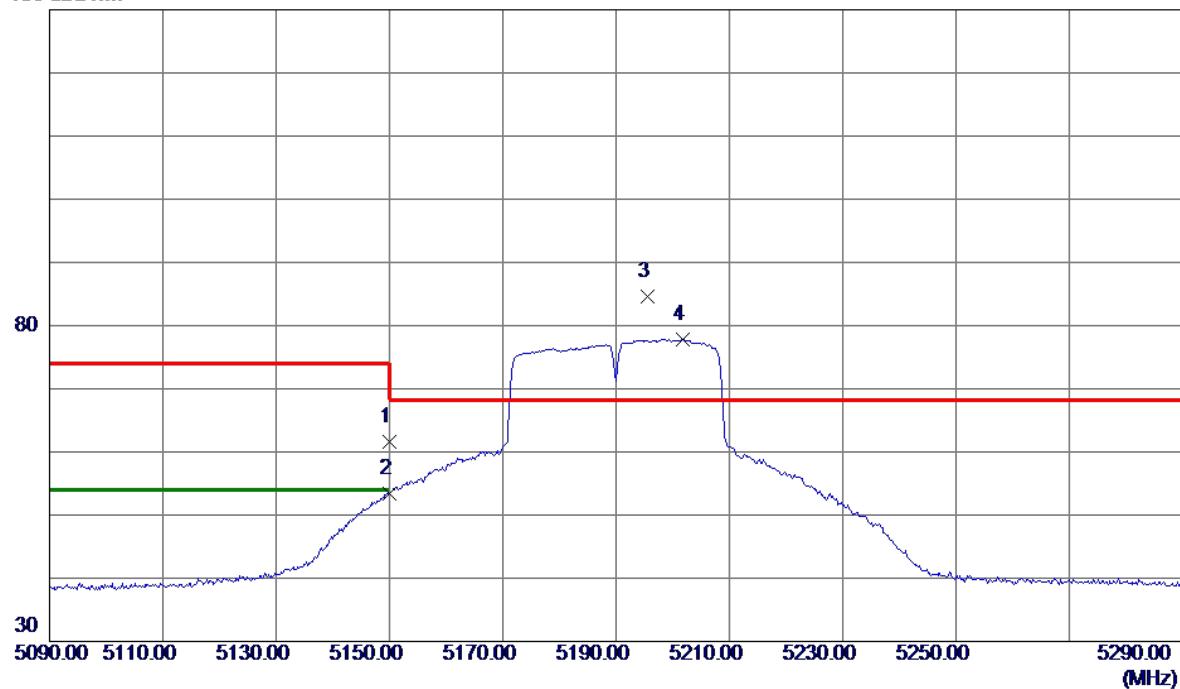
No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	15572.2500	37.64	16.03	53.67	54.00	-0.33	AVG	
2	15578.5500	46.44	16.03	62.47	74.00	-11.53	Peak	

## REMARKS:

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

Test Mode	UNII-1_TX N(HT40) Mode 5190 MHz	Polarization	Horizontal
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130 dBuV/m



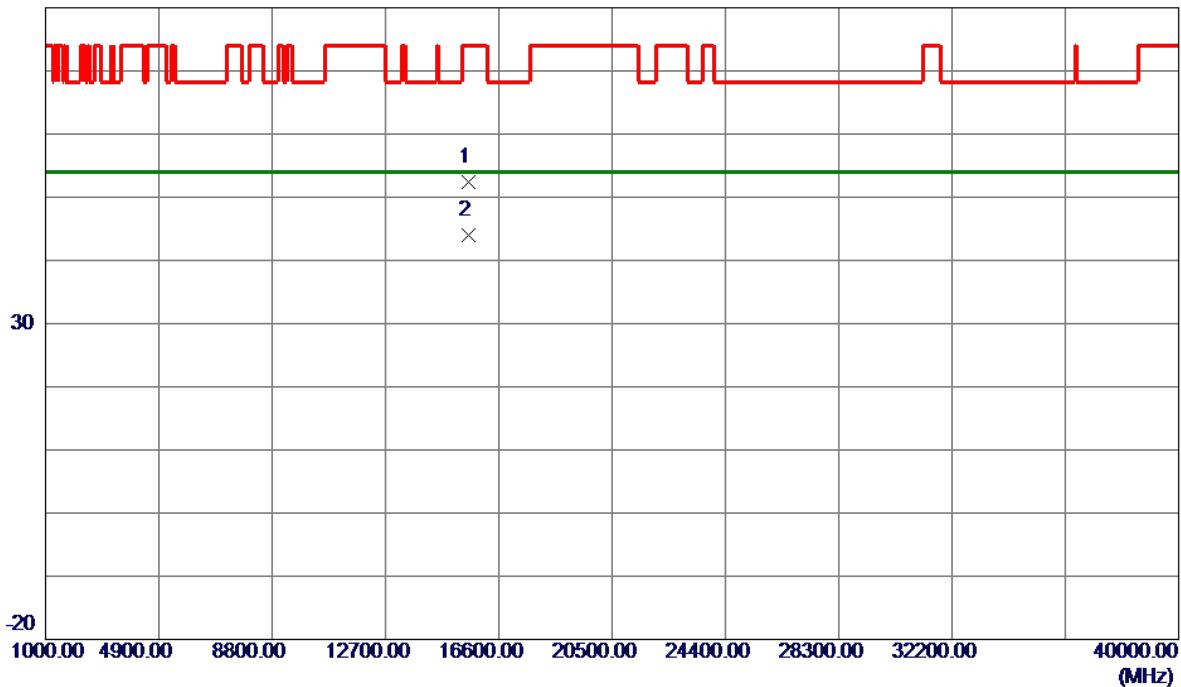
No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5150.0000	55.38	6.28	61.66	74.00	-12.34	Peak	
2	5150.0000	47.09	6.28	53.37	54.00	-0.63	AVG	
3 *	5195.6000	78.24	6.33	84.57	68.20	16.37	Peak	No Limit
4	5201.7000	71.52	6.34	77.86	999.00	-921.14	AVG	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX N(HT40) Mode 5190 MHz	Polarization	Horizontal
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80 dBuV/m



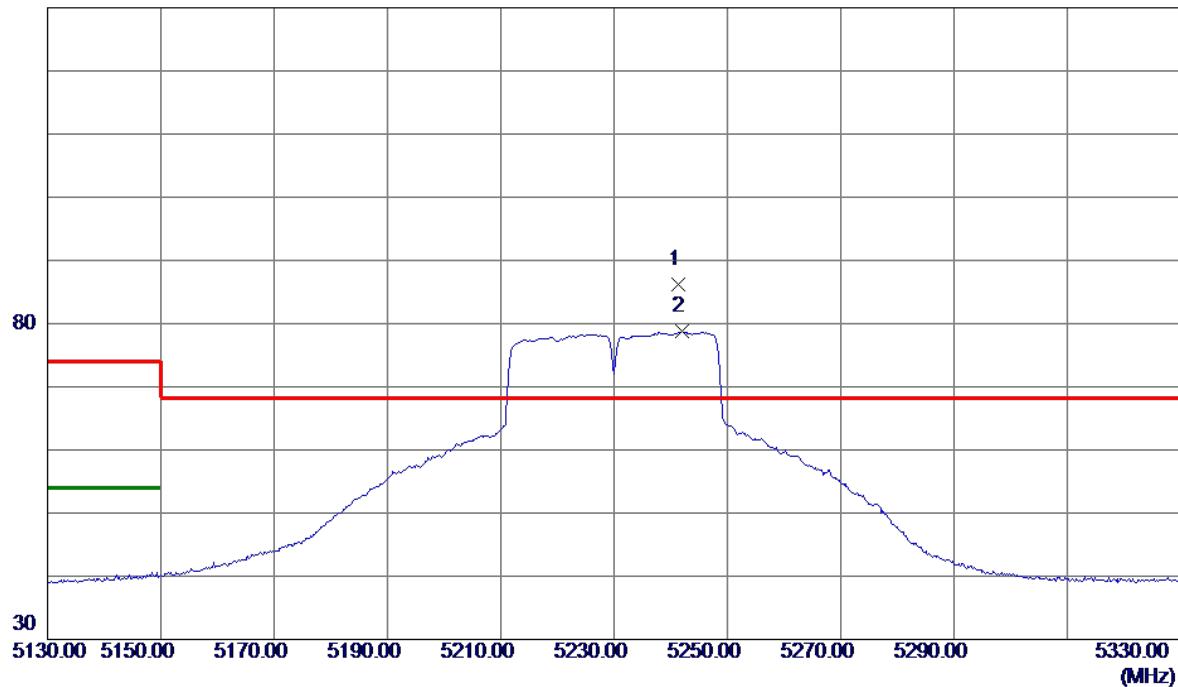
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1	15555.5000	36.35	16.03	52.38	74.00	-21.62	Peak	
2 *	15572.2000	27.95	16.03	43.98	54.00	-10.02	AVG	

**REMARKS:**

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

Test Mode	UNII-1_TX N(HT40) Mode 5230 MHz	Polarization	Vertical
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130 dBuV/m

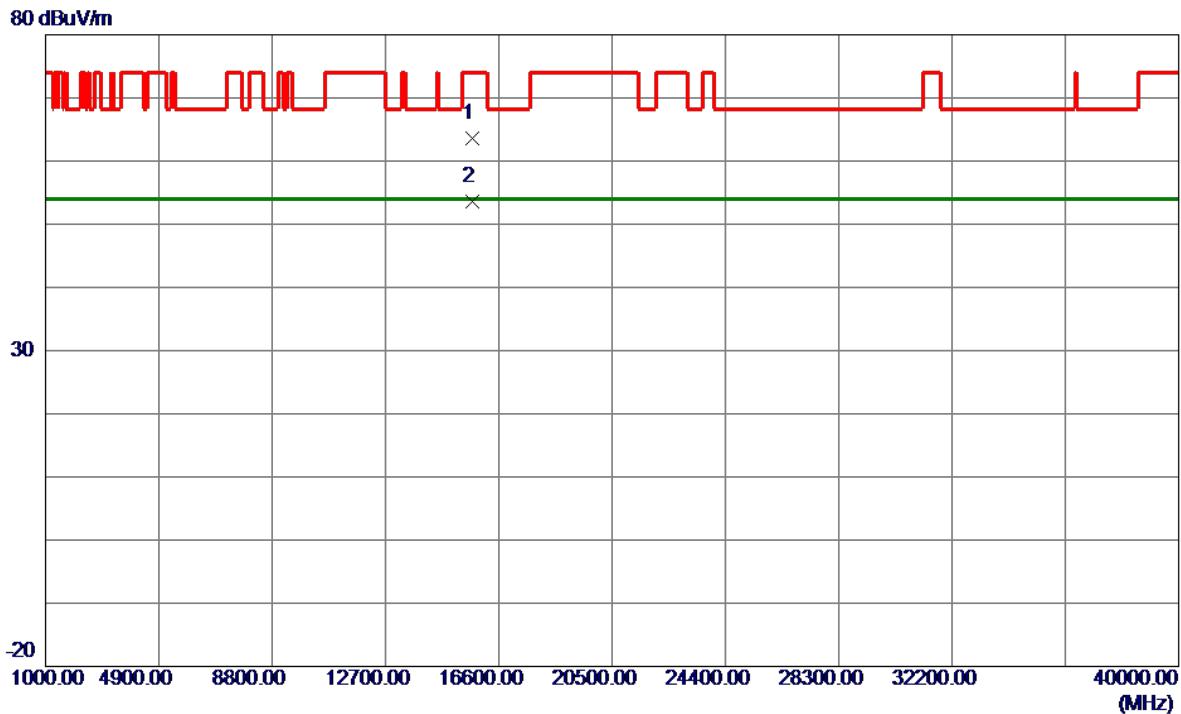


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	5241.3000	79.83	6.38	86.21	68.20	18.01	Peak
2	5242.1000	72.37	6.38	78.75	999.00	-920.25	AVG

## REMARKS:

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

Test Mode	UNII-1_TX N(HT40) Mode 5230 MHz	Polarization	Vertical
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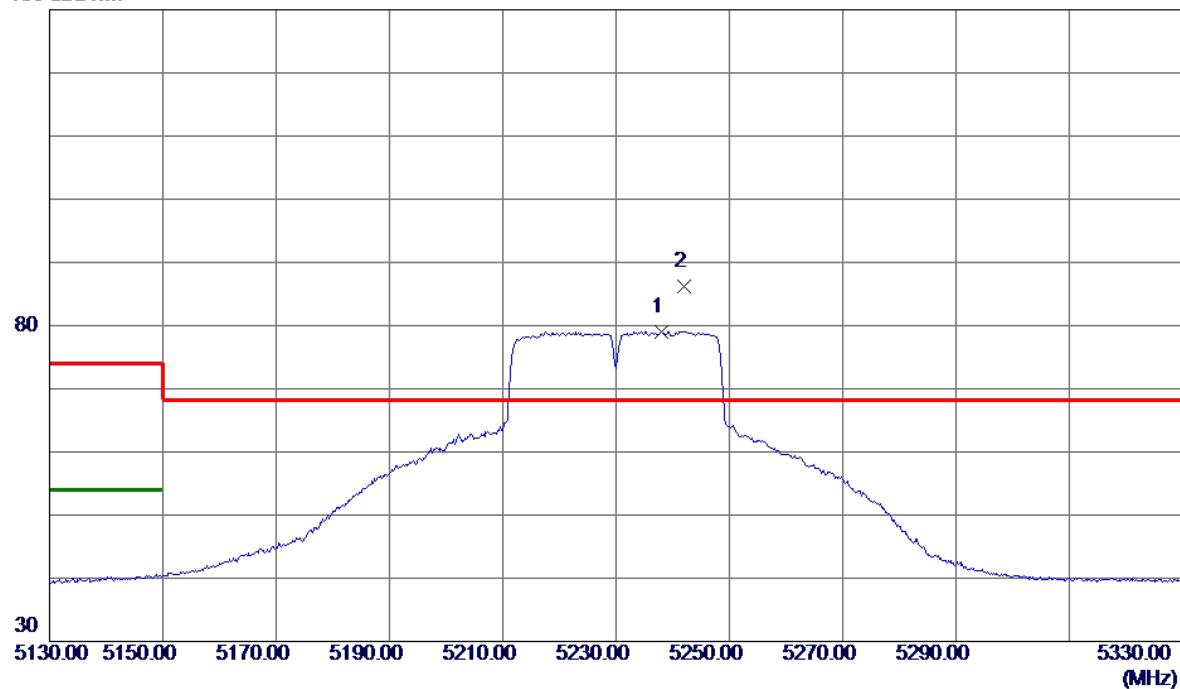
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	15686.7500	47.62	16.05	63.67	74.00	-10.33	Peak
2 *	15687.3500	37.49	16.05	53.54	54.00	-0.46	AVG

**REMARKS:**

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

Test Mode	UNII-1_TX N(HT40) Mode 5230 MHz	Polarization	Horizontal
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130 dBuV/m

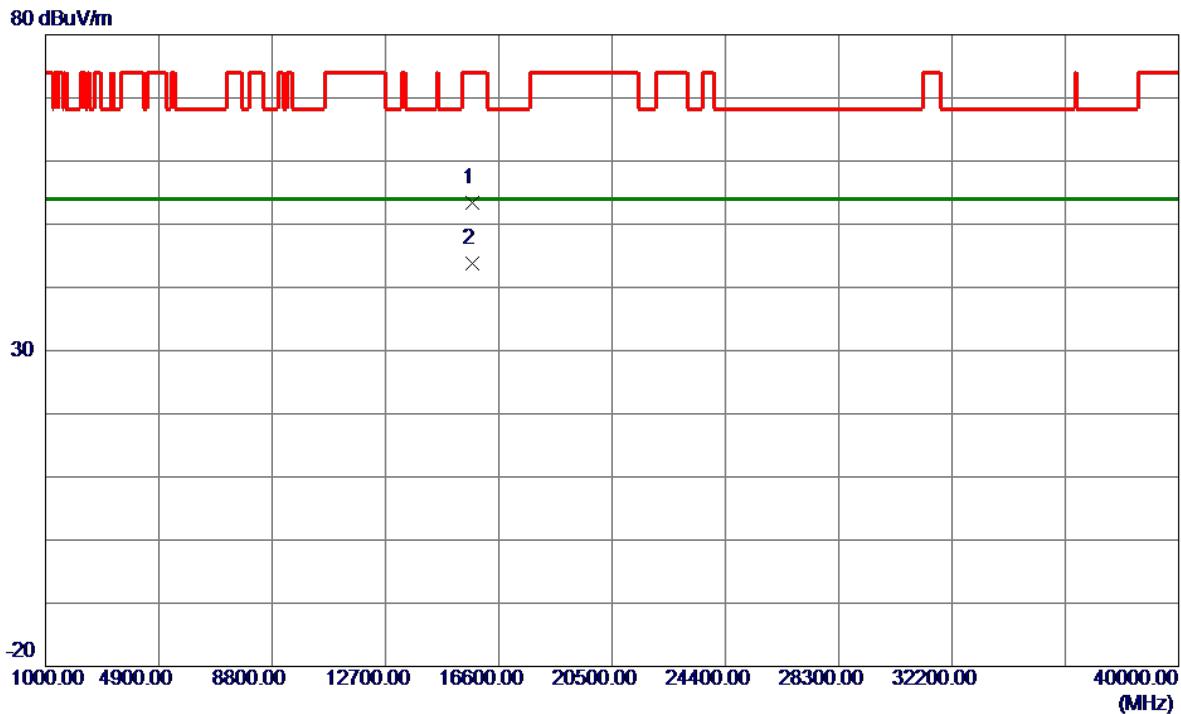


No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5238.1000	72.70	6.38	79.08	999.00	-919.92	AVG	No Limit
2 *	5242.0000	79.79	6.38	86.17	68.20	17.97	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX N(HT40) Mode 5230 MHz	Polarization	Horizontal
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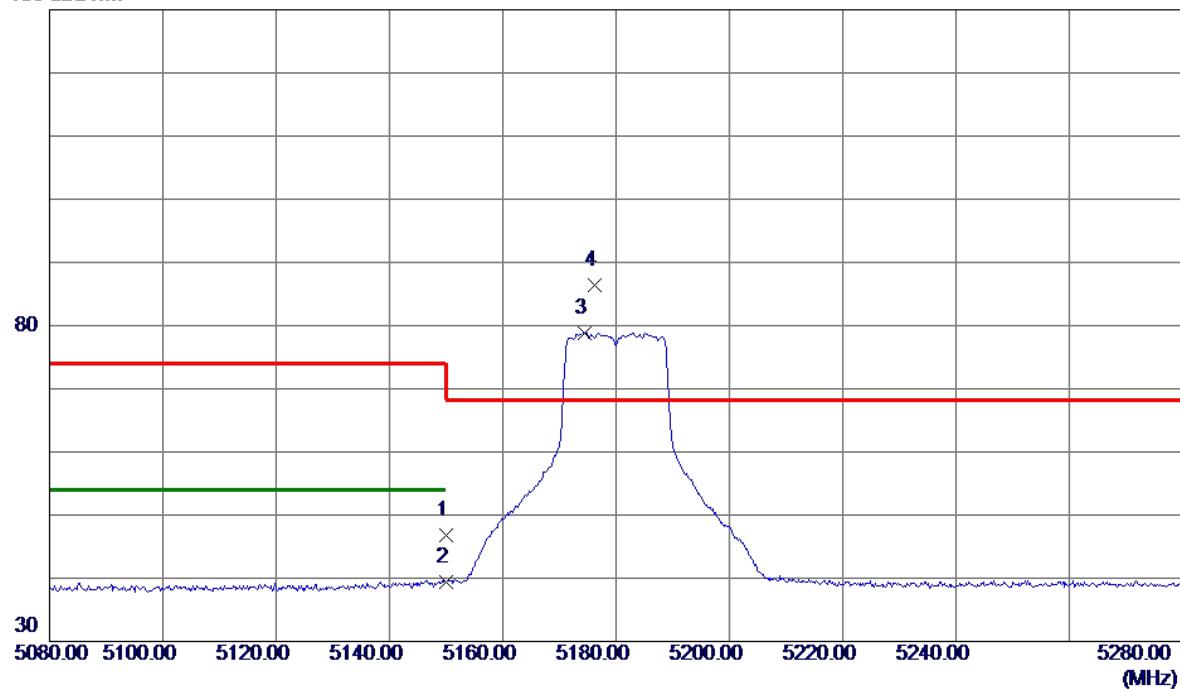
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment	dBuV/m	dB		
1	15686.5000	37.41	16.05	53.46	74.00	-20.54	Peak	
2 *	15687.6500	27.66	16.05	43.71	54.00	-10.29	AVG	

## REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Vertical
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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	40.46	6.28	46.74	74.00	-27.26	Peak	
2	5150.0000	33.10	6.28	39.38	54.00	-14.62	AVG	
3	5174.4000	72.56	6.31	78.87	999.00	-920.13	AVG	No Limit
4 *	5176.2000	80.13	6.31	86.44	68.20	18.24	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Vertical
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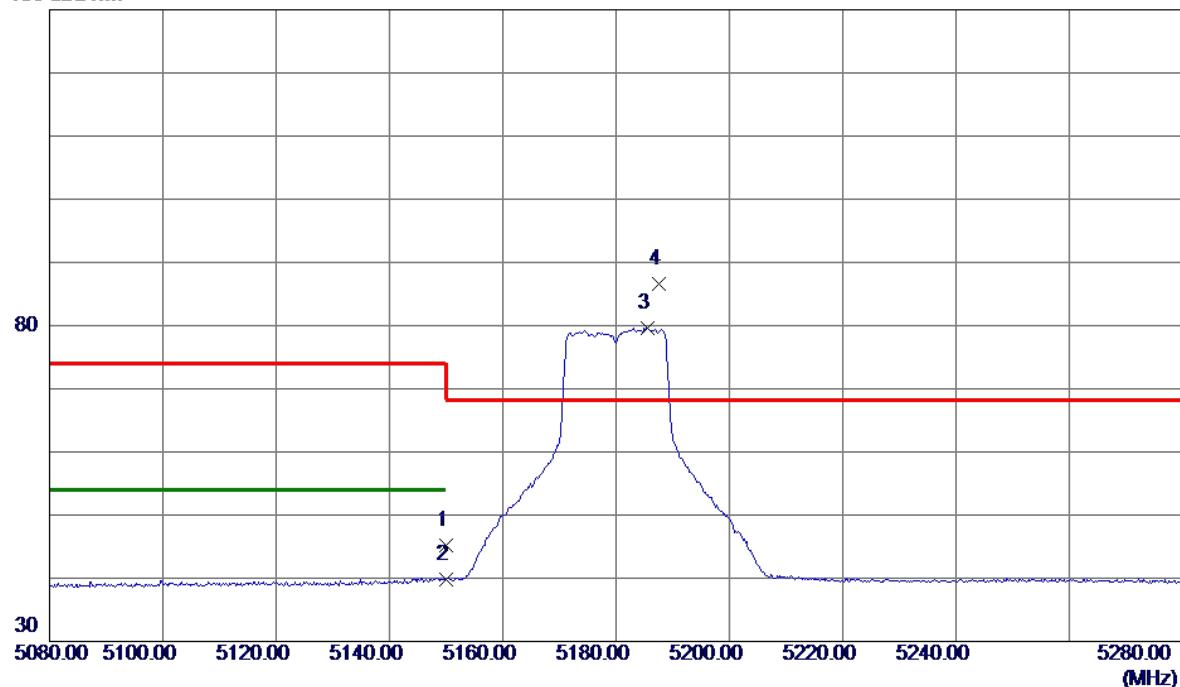
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	15540.8000	45.75	16.03	61.78	74.00	-12.22	Peak
2 *	15544.6750	35.33	16.03	51.36	54.00	-2.64	AVG

**REMARKS:**

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Horizontal
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130 dBuV/m

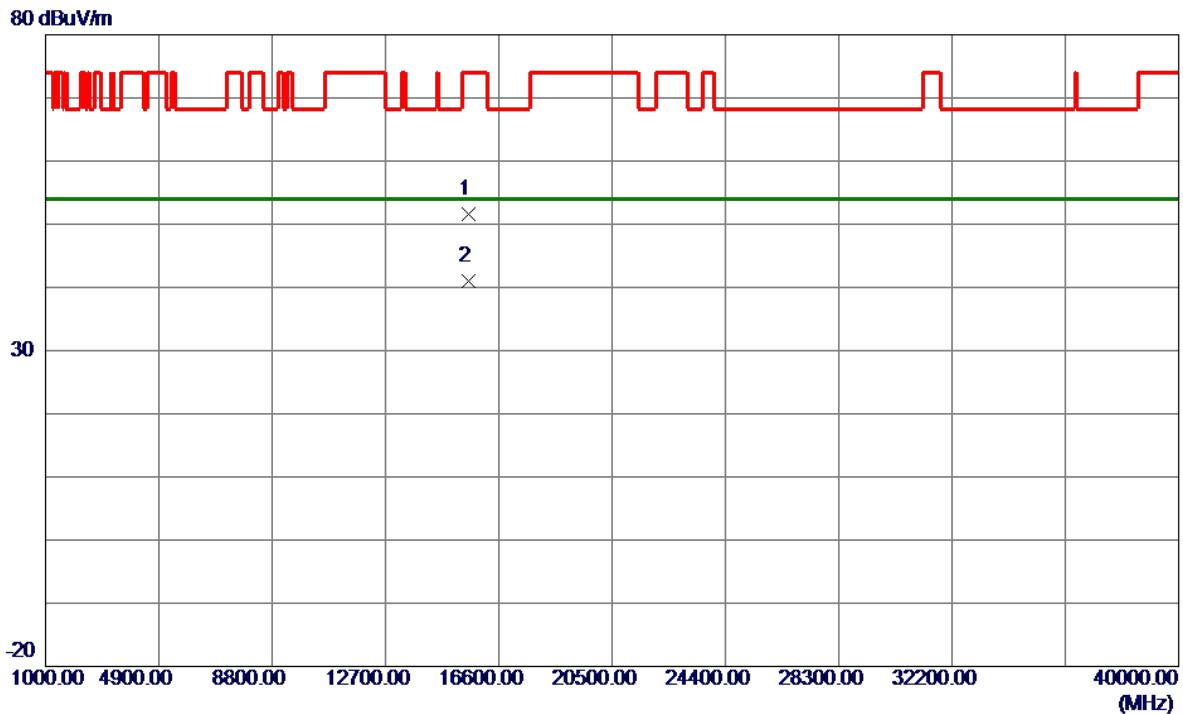


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	38.91	6.28	45.19	74.00	-28.81	Peak	
2	5150.0000	33.60	6.28	39.88	54.00	-14.12	AVG	
3	5185.6000	73.25	6.32	79.57	999.00	-919.43	AVG	No Limit
4 *	5187.6000	80.30	6.32	86.62	68.20	18.42	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Horizontal
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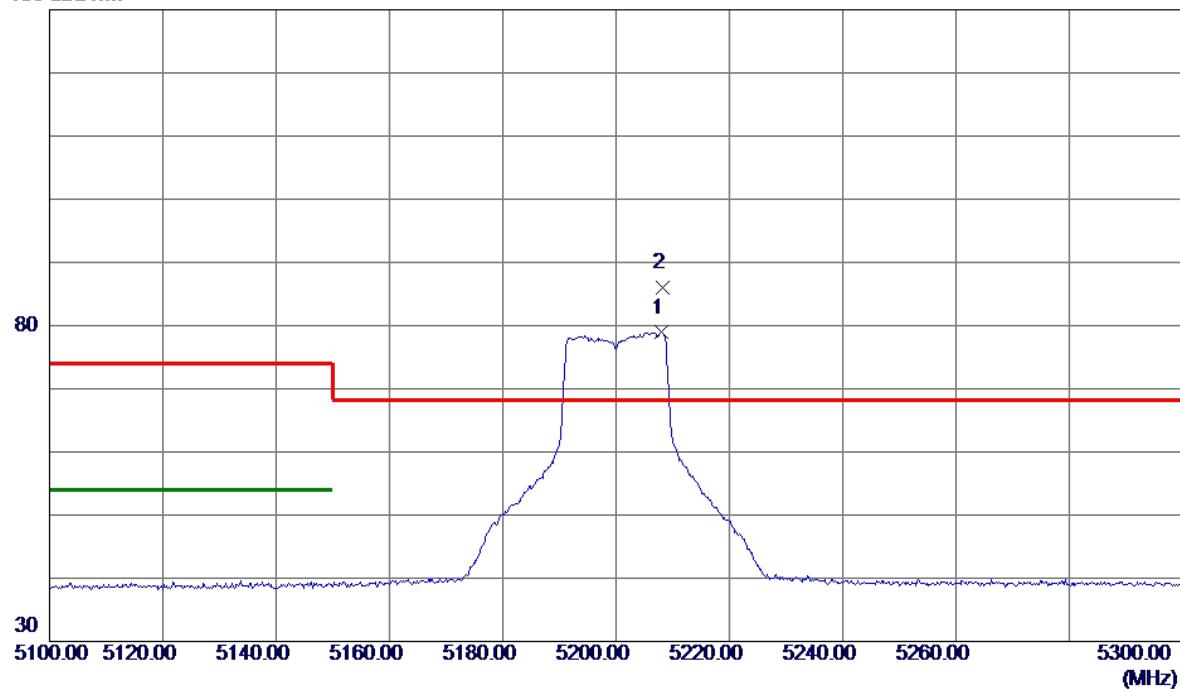
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	15542.9500	35.48	16.03	51.51	74.00	-22.49	Peak
2 *	15543.9000	24.99	16.03	41.02	54.00	-12.98	AVG

**REMARKS:**

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5200 MHz	Polarization	Vertical
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130 dBuV/m

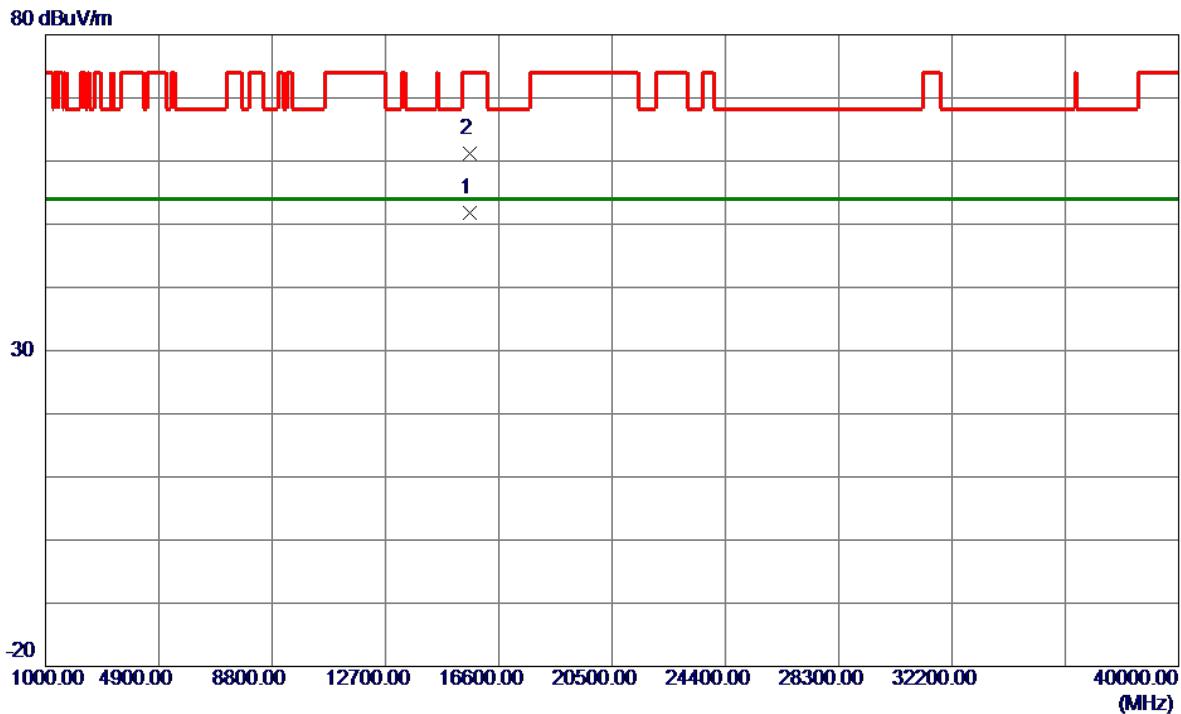


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5208.0000	72.55	6.35	78.90	999.00	-920.10	AVG	No Limit
2 *	5208.3000	79.60	6.35	85.95	68.20	17.75	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5200 MHz	Polarization	Vertical
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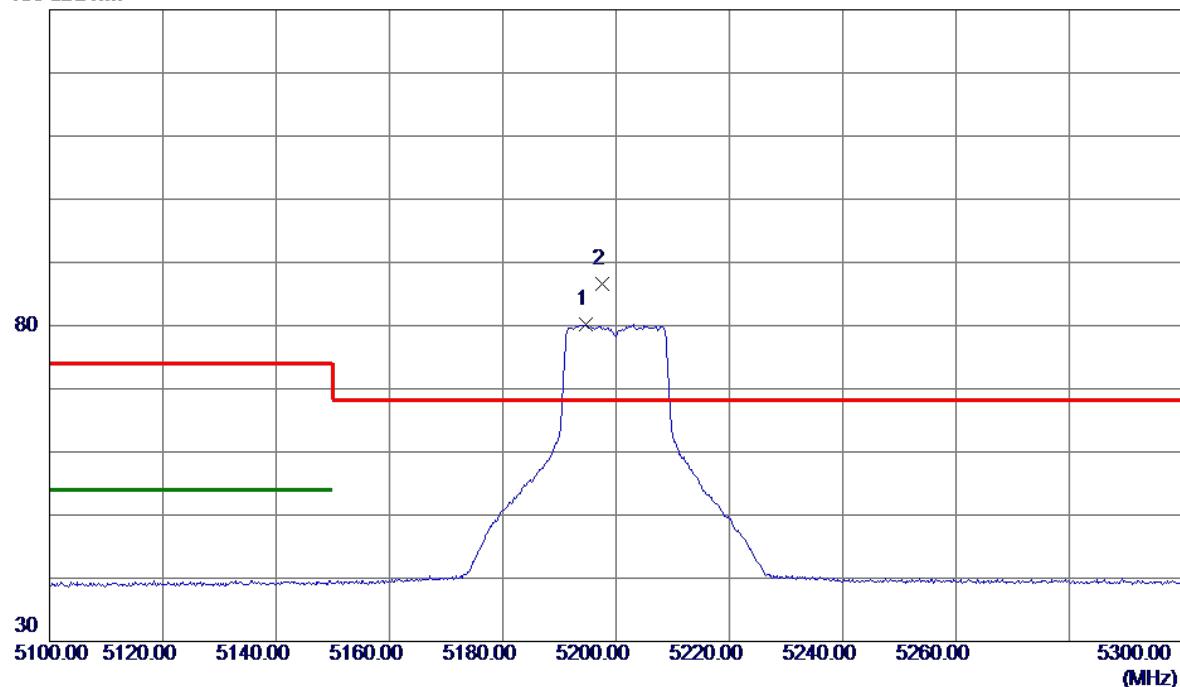
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	15595.0750	35.71	16.04	51.75	54.00	-2.25	AVG	
2	15595.8750	45.25	16.04	61.29	74.00	-12.71	Peak	

**REMARKS:**

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5200 MHz	Polarization	Horizontal
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130 dBuV/m

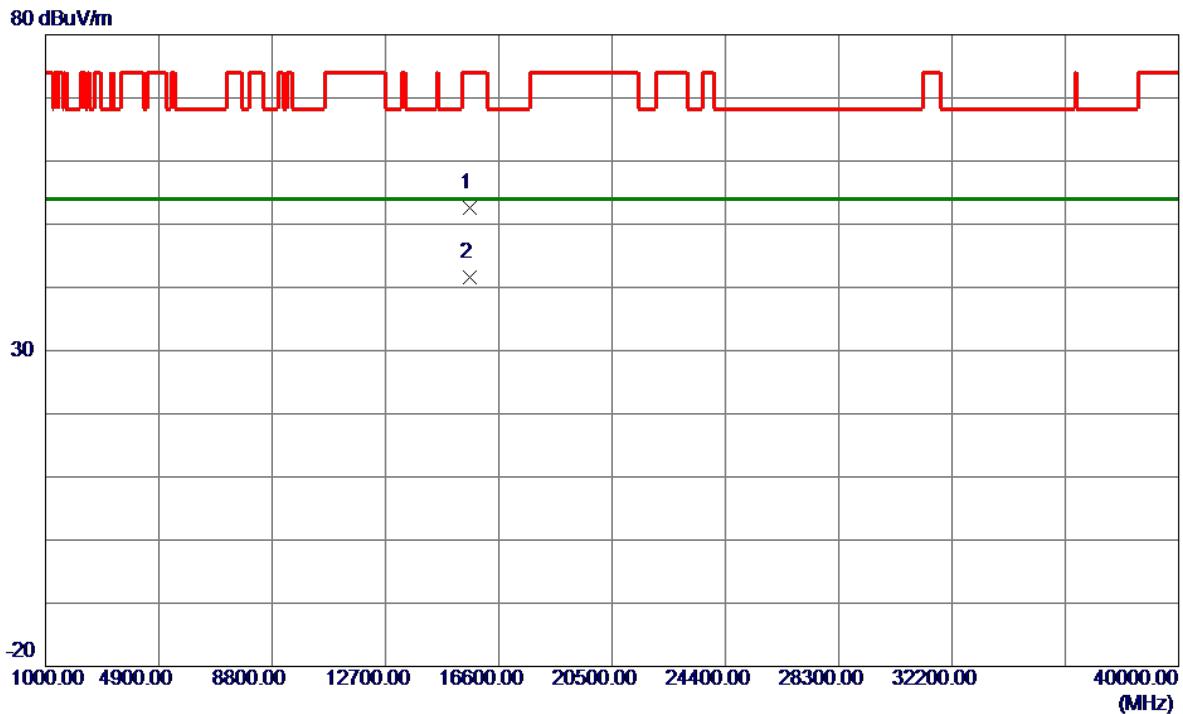


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5194.7000	73.83	6.33	80.16	999.00	-918.84	AVG	No Limit
2 *	5197.6000	80.19	6.34	86.53	68.20	18.33	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5200 MHz	Polarization	Horizontal
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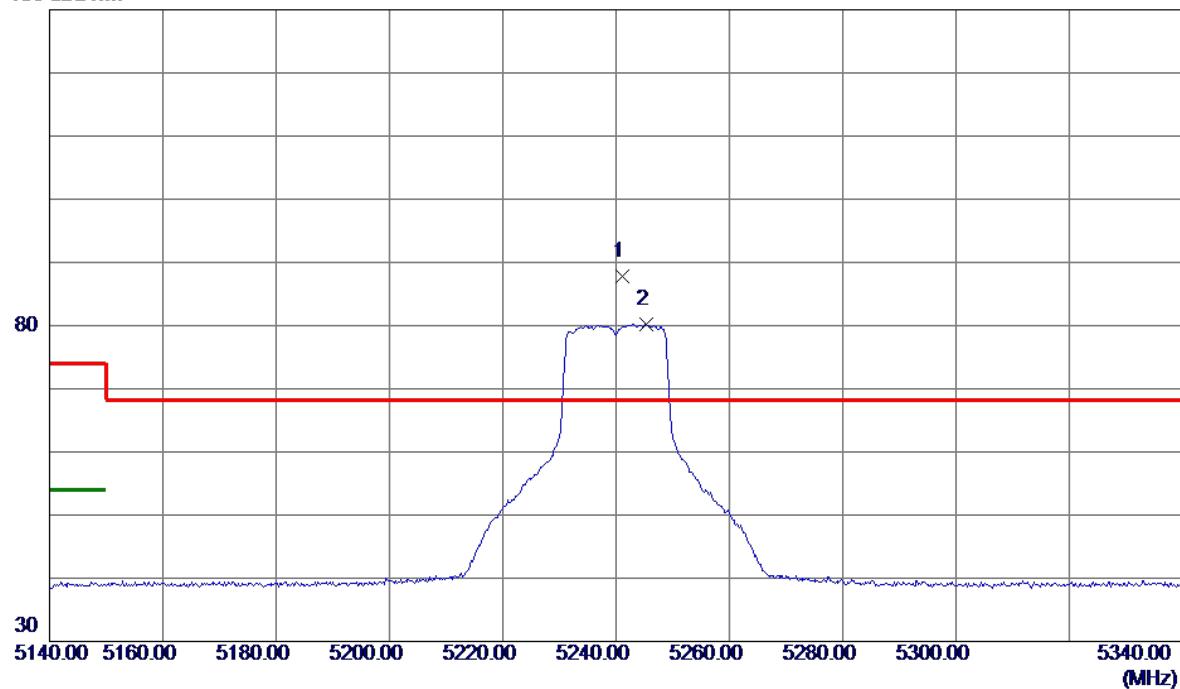
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	15592.8250	36.60	16.04	52.64	74.00	-21.36	Peak
2 *	15594.8750	25.59	16.04	41.63	54.00	-12.37	AVG

**REMARKS:**

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5240 MHz	Polarization	Vertical
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130 dBuV/m



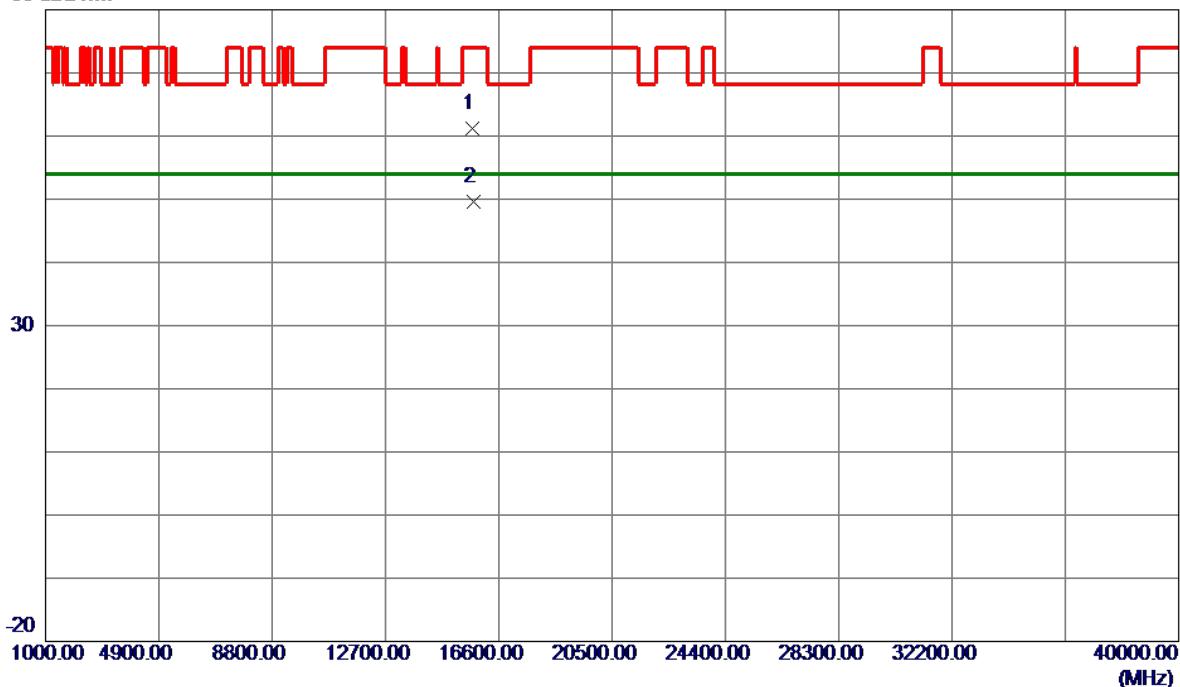
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5241.1000	81.41	6.38	87.79	68.20	19.59	Peak	No Limit
2	5245.4000	73.84	6.39	80.23	999.00	-918.77	AVG	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5240 MHz	Polarization	Vertical
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80 dBuV/m



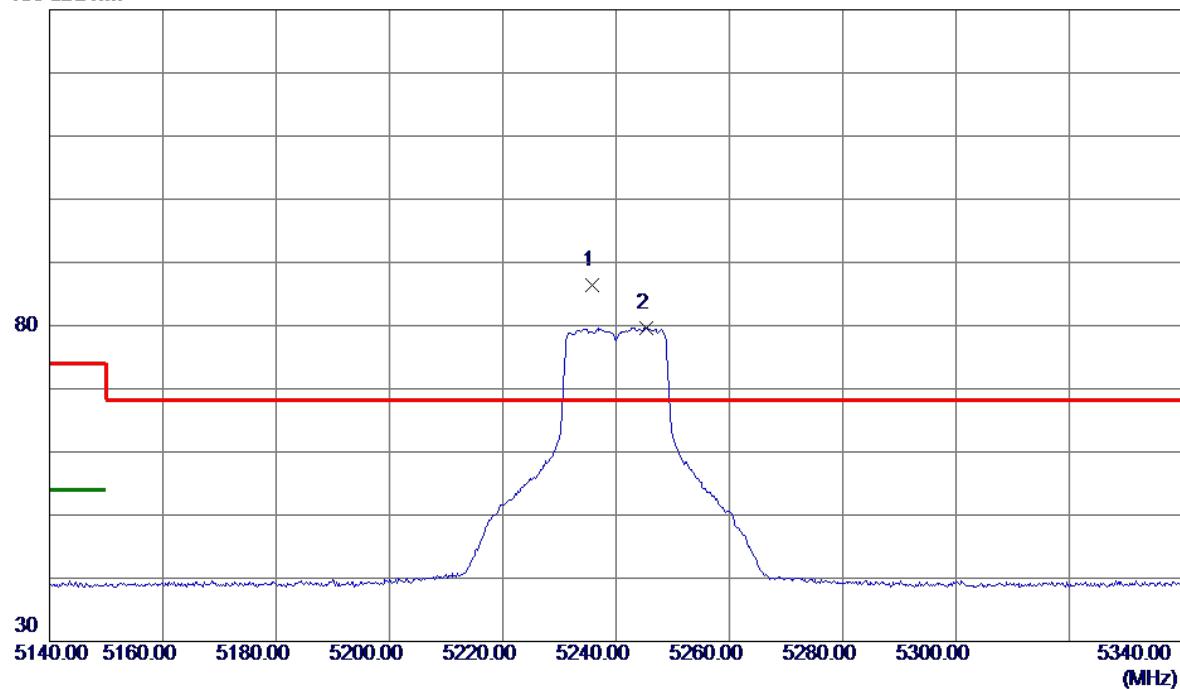
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	15705.8500	45.19	16.06	61.25	74.00	-12.75	Peak	
2 *	15714.0250	33.63	16.06	49.69	54.00	-4.31	AVG	

## REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5240 MHz	Polarization	Horizontal
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130 dBuV/m

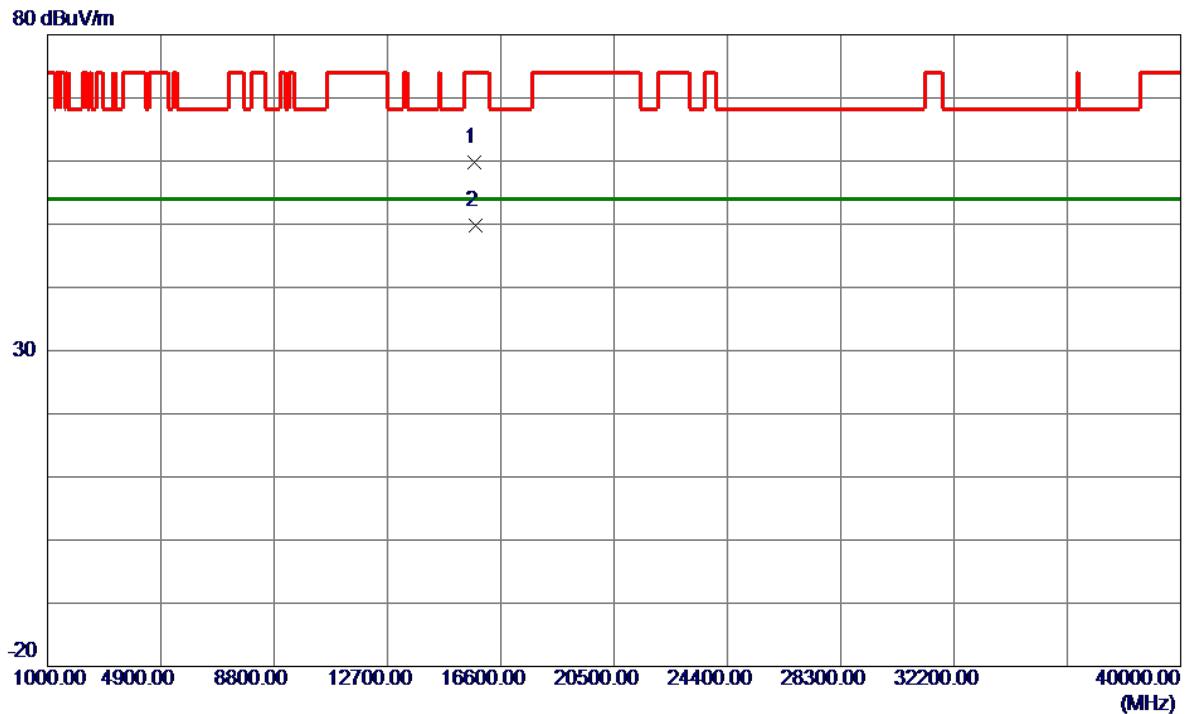


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	5235.8000	79.96	6.38	86.34	68.20	18.14	Peak
2	5245.3000	73.29	6.39	79.68	999.00	-919.32	AVG

## REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5240 MHz	Polarization	Horizontal
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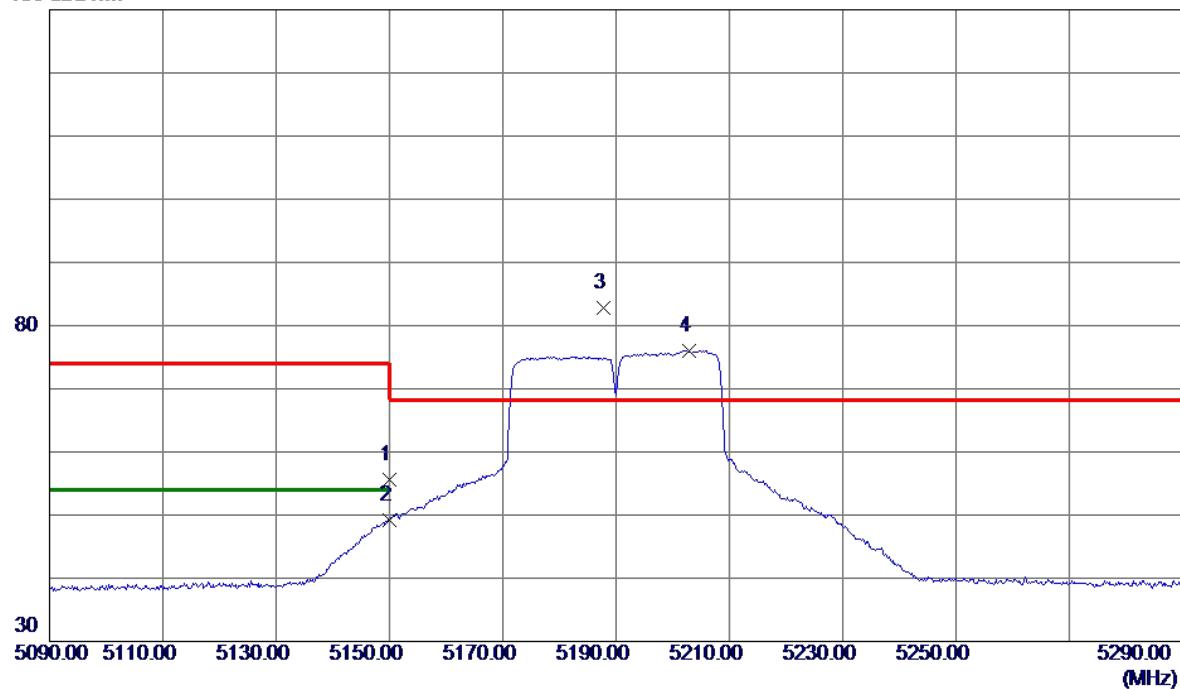
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	15710.7250	43.70	16.06	59.76	74.00	-14.24	Peak
2 *	15715.4000	33.71	16.06	49.77	54.00	-4.23	AVG

**REMARKS:**

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5190 MHz	Polarization	Vertical
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130 dBuV/m



No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5150.0000	49.27	6.28	55.55	74.00	-18.45	Peak	
2	5150.0000	42.91	6.28	49.19	54.00	-4.81	AVG	
3 *	5187.8000	76.54	6.32	82.86	68.20	14.66	Peak	No Limit
4	5202.9000	69.63	6.34	75.97	999.00	-923.03	AVG	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5190 MHz	Polarization	Vertical
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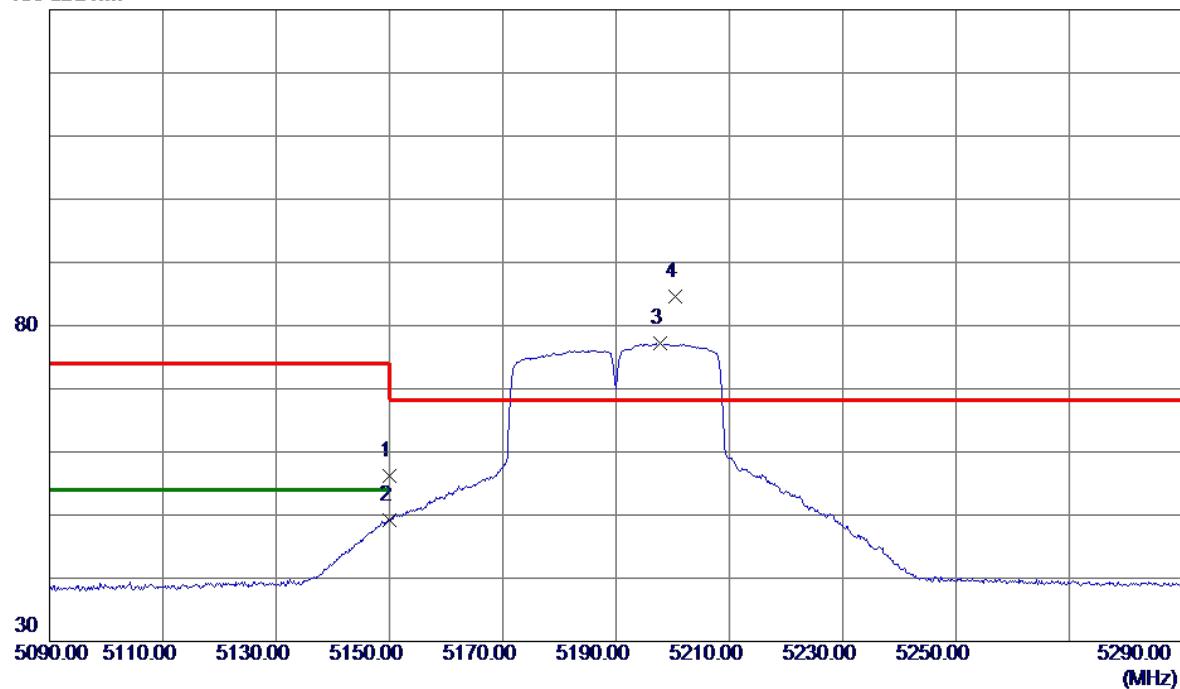
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	15567.6500	37.25	16.03	53.28	54.00	-0.72	AVG	
2	15571.7500	45.76	16.03	61.79	74.00	-12.21	Peak	

**REMARKS:**

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5190 MHz	Polarization	Horizontal
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130 dBuV/m

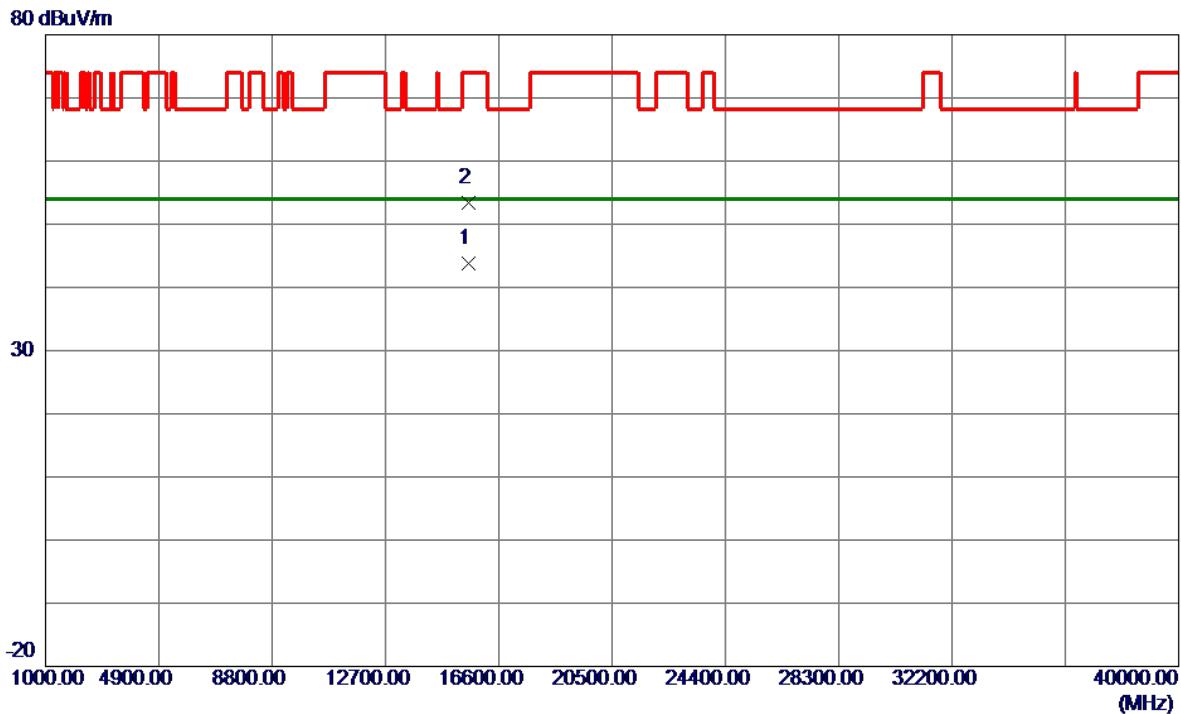


No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dB			
1	5150.0000	49.98	6.28	56.26	74.00	-17.74	Peak	
2	5150.0000	42.88	6.28	49.16	54.00	-4.84	AVG	
3	5197.8000	70.80	6.34	77.14	999.00	-921.86	AVG	No Limit
4 *	5200.5000	78.27	6.34	84.61	68.20	16.41	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5190 MHz	Polarization	Horizontal
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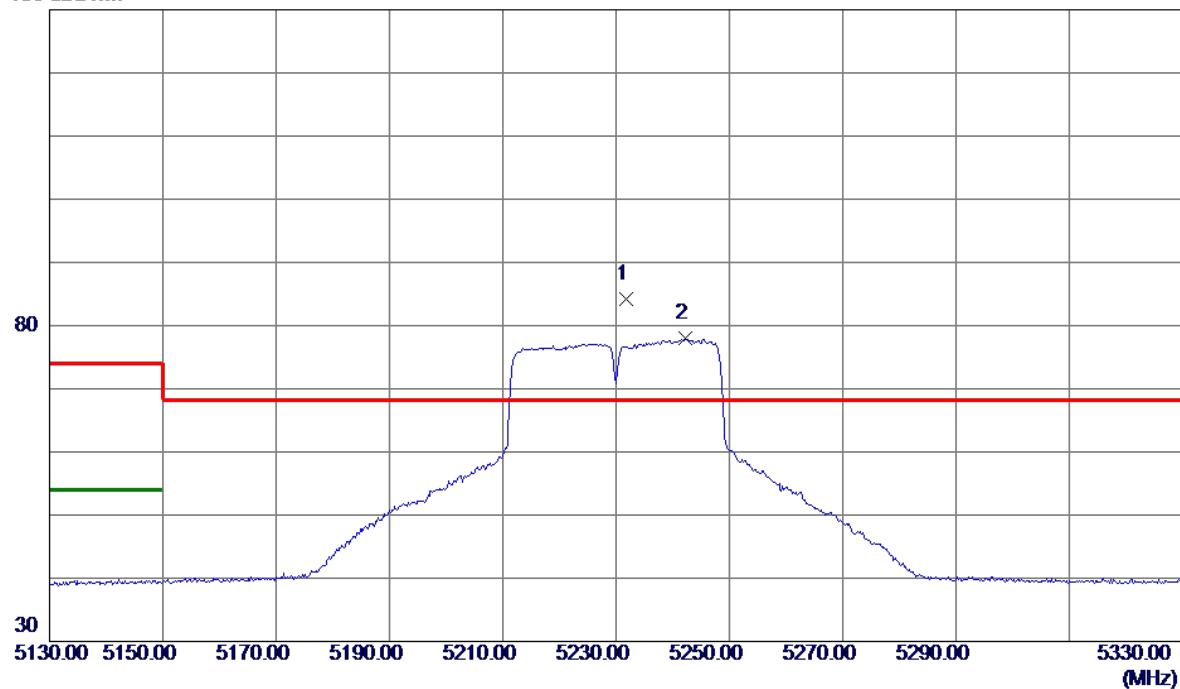
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	15572.5500	27.77	16.03	43.80	54.00	-10.20	AVG
2	15579.0000	37.38	16.03	53.41	74.00	-20.59	Peak

**REMARKS:**

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5230 MHz	Polarization	Vertical
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130 dBuV/m

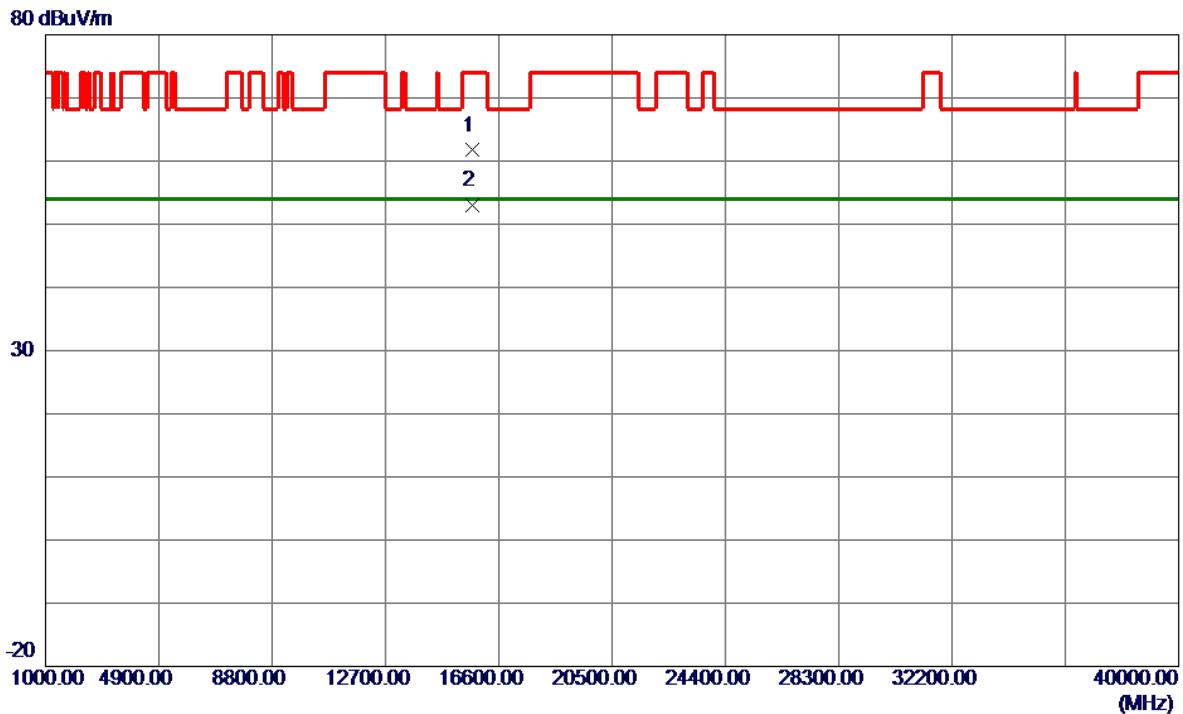


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5231.8000	77.75	6.37	84.12	68.20	15.92	Peak	No Limit
2	5242.3000	71.53	6.38	77.91	999.00	-921.09	AVG	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5230 MHz	Polarization	Vertical
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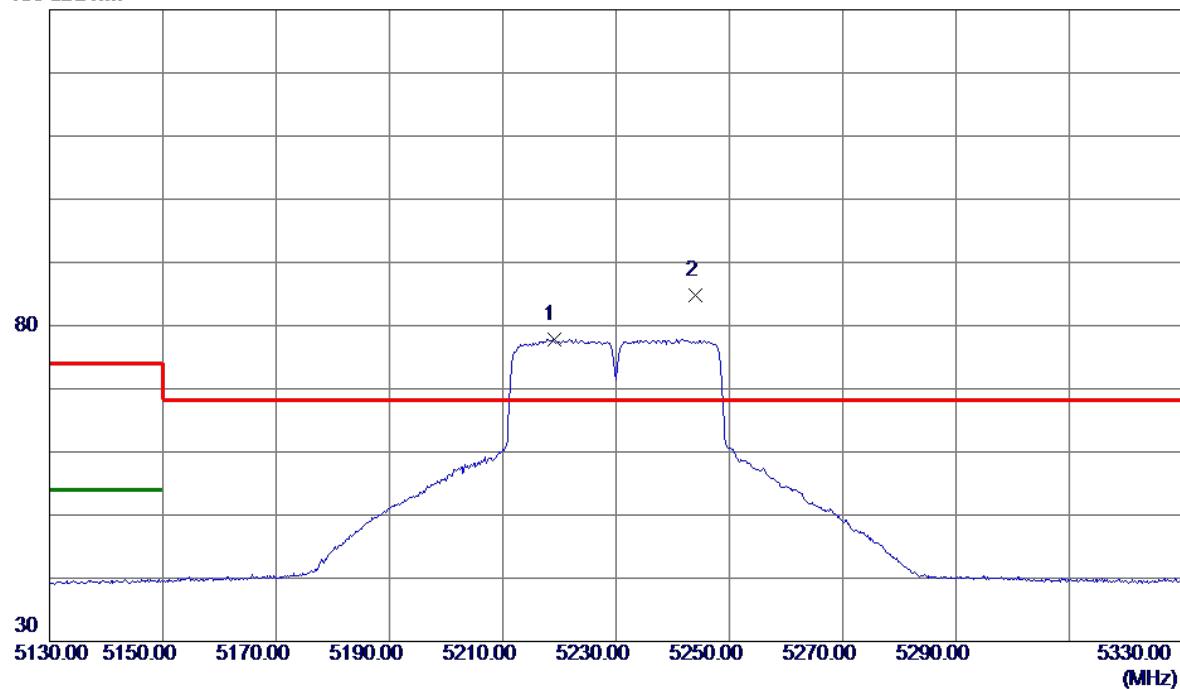
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	15682.3000	45.65	16.05	61.70	74.00	-12.30	Peak
2 *	15696.5000	36.95	16.06	53.01	54.00	-0.99	AVG

**REMARKS:**

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5230 MHz	Polarization	Horizontal
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130 dBuV/m

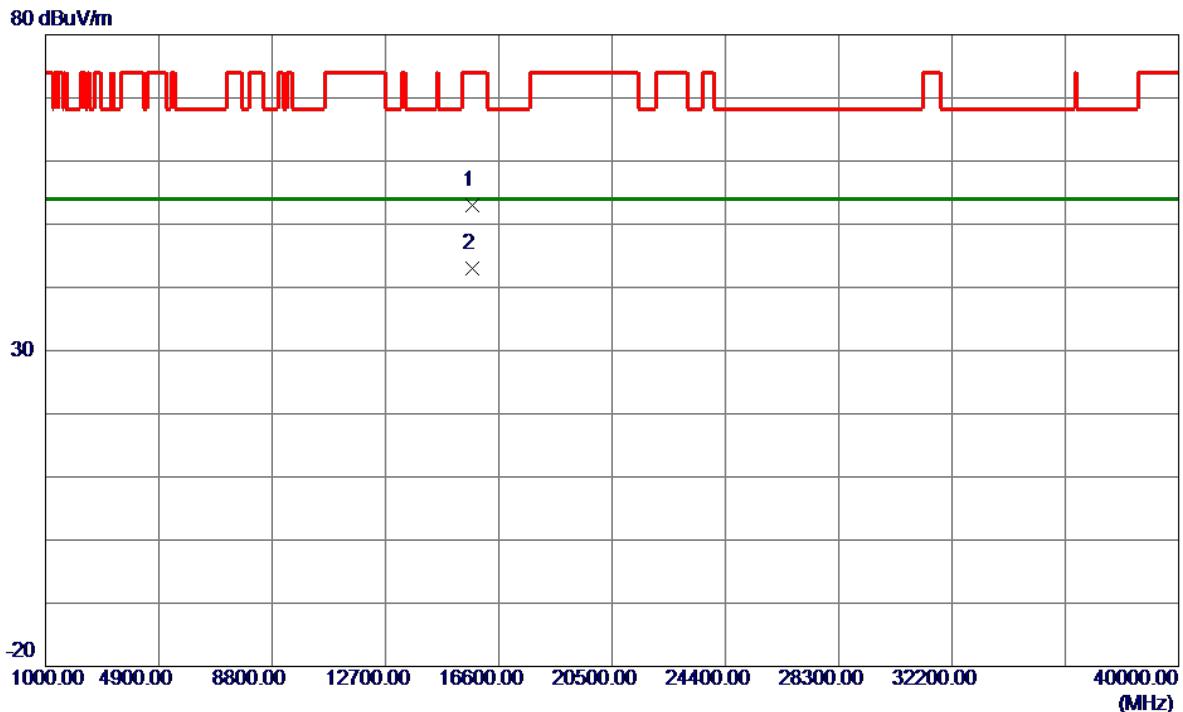


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5219.0000	71.47	6.36	77.83	999.00	-921.17	AVG	No Limit
2 *	5244.1000	78.50	6.39	84.89	68.20	16.69	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5230 MHz	Polarization	Horizontal
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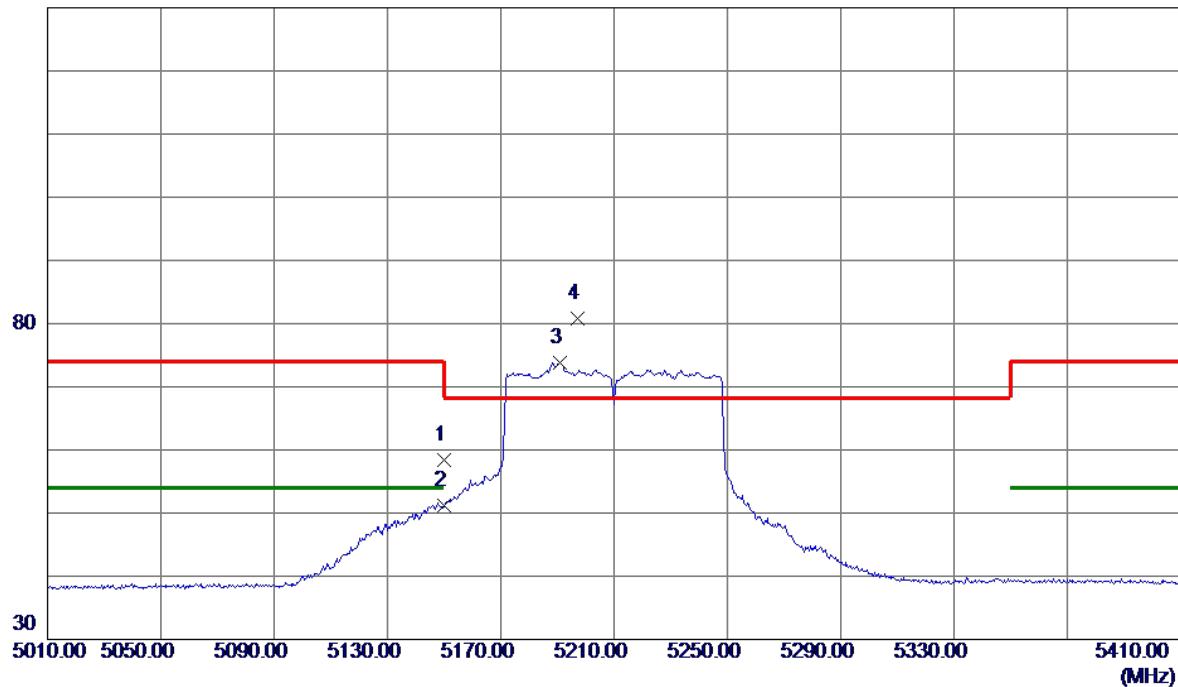
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	15671.6000	37.01	16.05	53.06	74.00	-20.94	Peak
2 *	15696.5000	26.88	16.06	42.94	54.00	-11.06	AVG

**REMARKS:**

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

Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Vertical
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130 dBuV/m

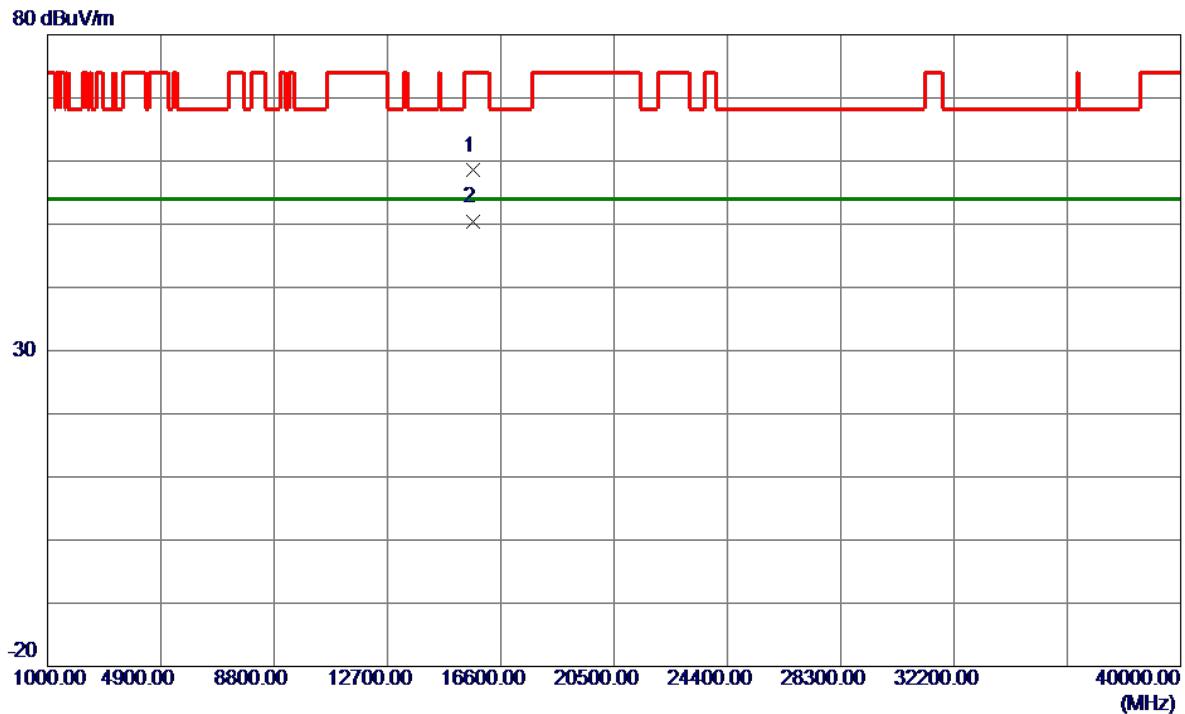


No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5150.0000	52.17	6.28	58.45	74.00	-15.55	Peak	
2	5150.0000	44.97	6.28	51.25	54.00	-2.75	AVG	
3	5190.8000	67.40	6.33	73.73	999.00	-925.27	AVG	No Limit
4 *	5197.2000	74.38	6.33	80.71	68.20	12.51	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Vertical
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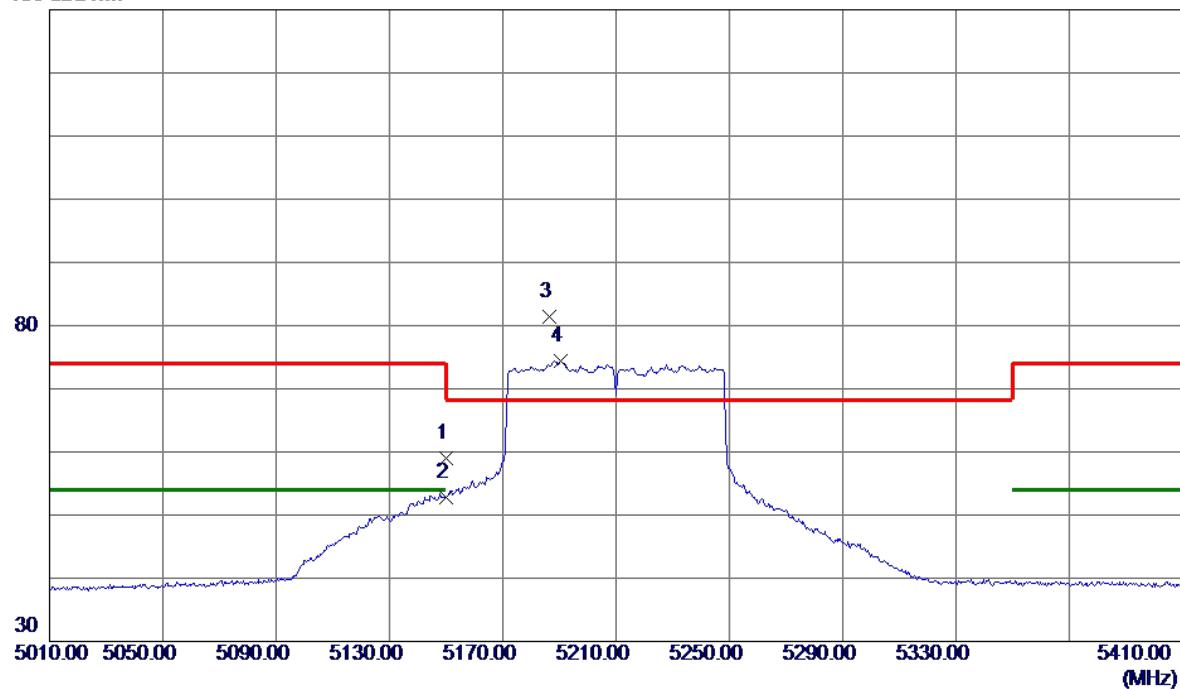
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	15626.2500	42.46	16.04	58.50	74.00	-15.50	Peak
2 *	15660.0000	34.34	16.05	50.39	54.00	-3.61	AVG

**REMARKS:**

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

Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Horizontal
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130 dBuV/m

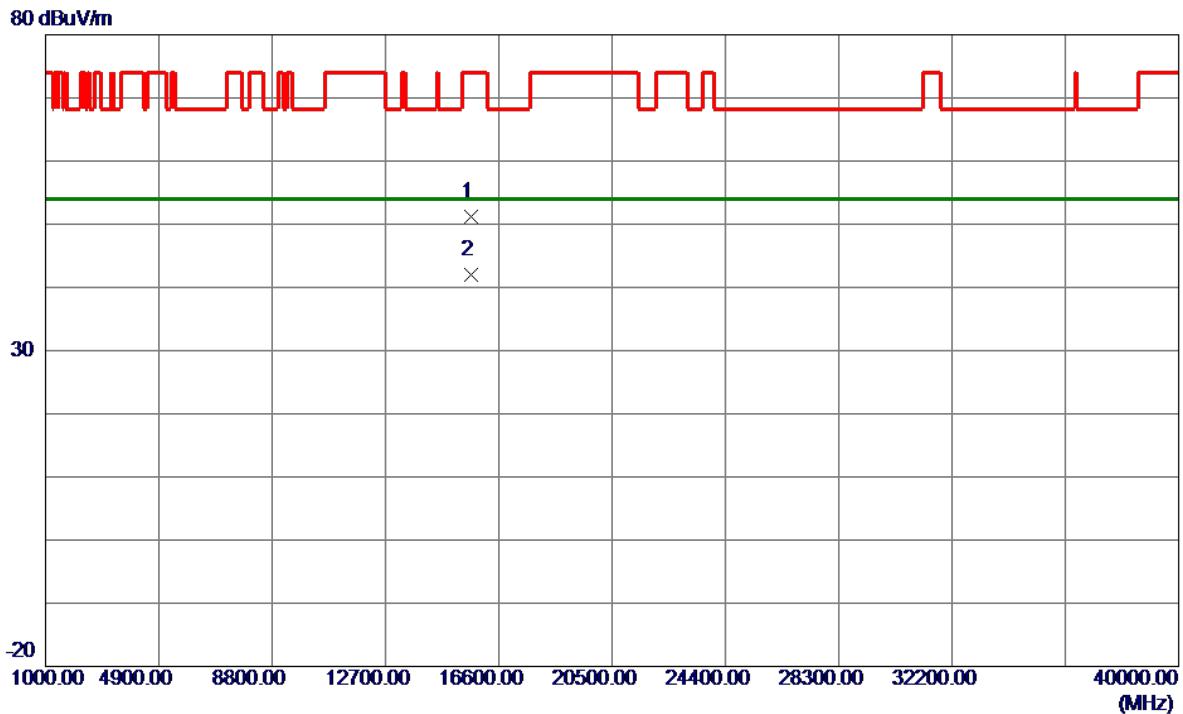


No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dB			
1	5150.0000	52.76	6.28	59.04	74.00	-14.96	Peak	
2	5150.0000	46.58	6.28	52.86	54.00	-1.14	AVG	
3 *	5186.4000	74.99	6.32	81.31	68.20	13.11	Peak	No Limit
4	5190.4000	68.06	6.33	74.39	999.00	-924.61	AVG	No Limit

## REMARKS:

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

Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Horizontal
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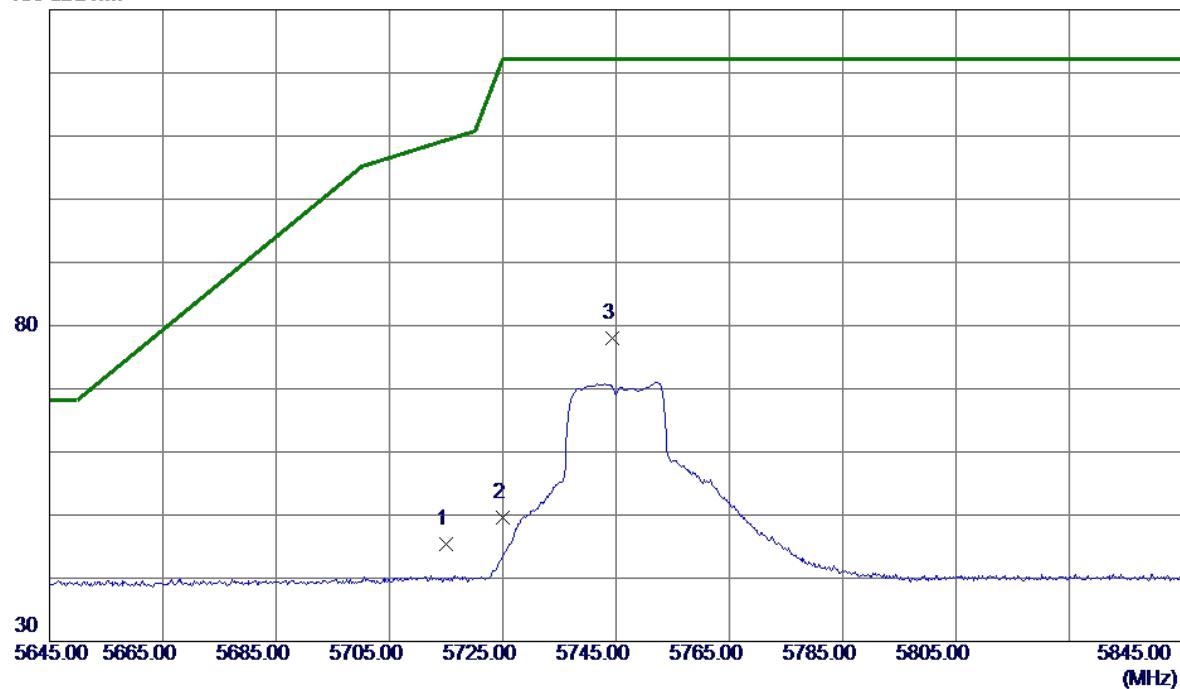
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	15626.7000	35.16	16.04	51.20	74.00	-22.80	Peak	
2 *	15659.8000	25.89	16.05	41.94	54.00	-12.06	AVG	

**REMARKS:**

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

Test Mode	UNII-3_TX A Mode 5745 MHz	Polarization	Vertical
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130 dBuV/m

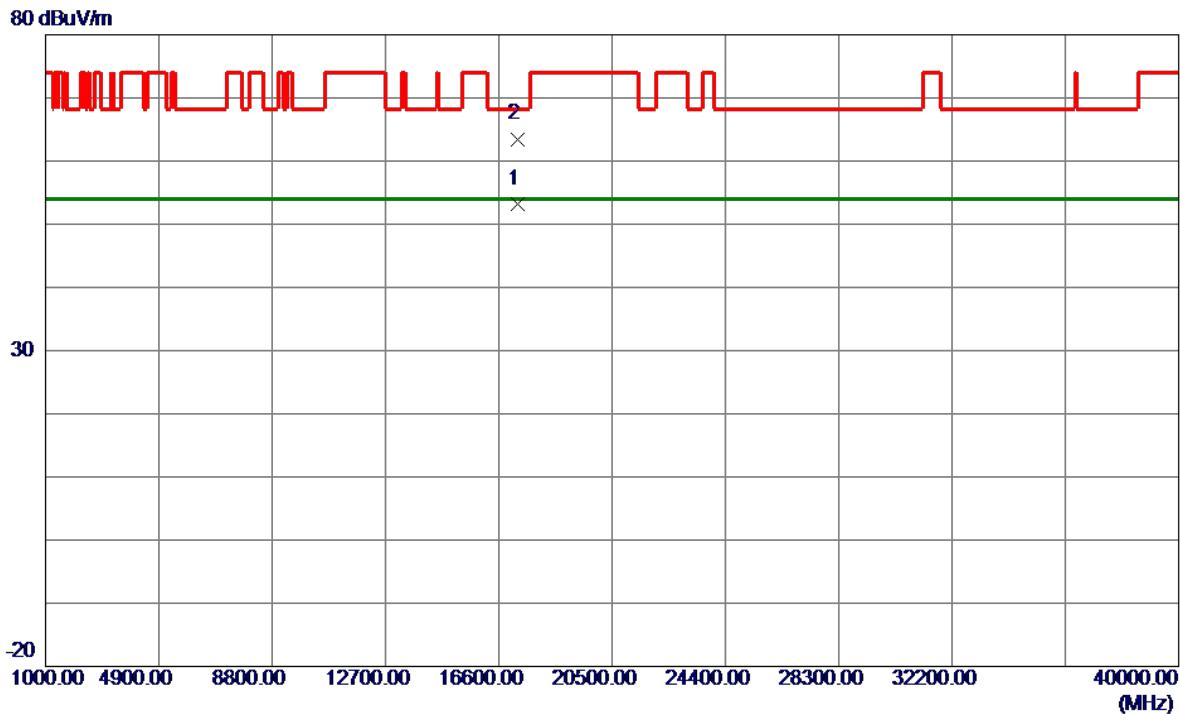


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5715.0000	38.70	6.79	45.49	109.40	-63.91	Peak	
2	5725.0000	42.73	6.80	49.53	122.20	-72.67	Peak	
3 *	5744.3000	71.21	6.81	78.02	122.20	-44.18	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-3_TX A Mode 5745 MHz	Polarization	Vertical
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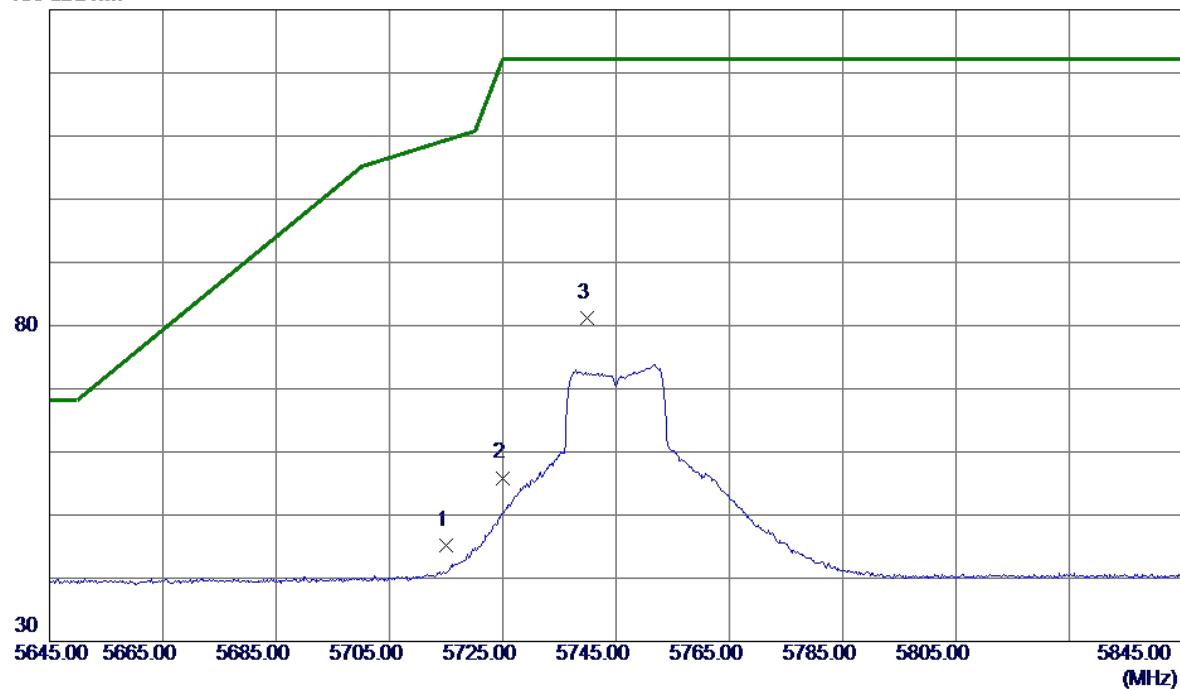
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	17233.7250	32.79	20.47	53.26	54.00	-0.74	AVG	
2	17234.1000	43.03	20.47	63.50	68.20	-4.70	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX A Mode 5745 MHz	Polarization	Horizontal
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130 dBuV/m

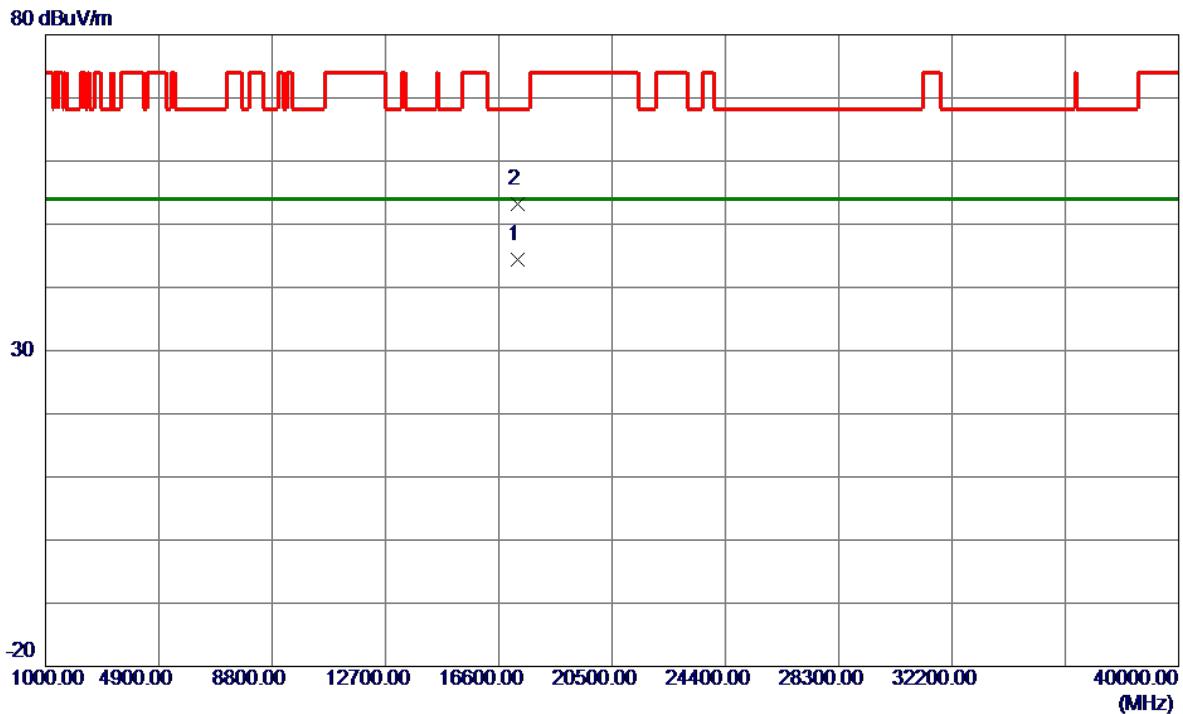


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	38.35	6.79	45.14	109.40	-64.26	Peak	
2	5725.0000	49.10	6.80	55.90	122.20	-66.30	Peak	
3 *	5739.9000	74.36	6.81	81.17	122.20	-41.03	Peak	No Limit

## REMARKS:

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

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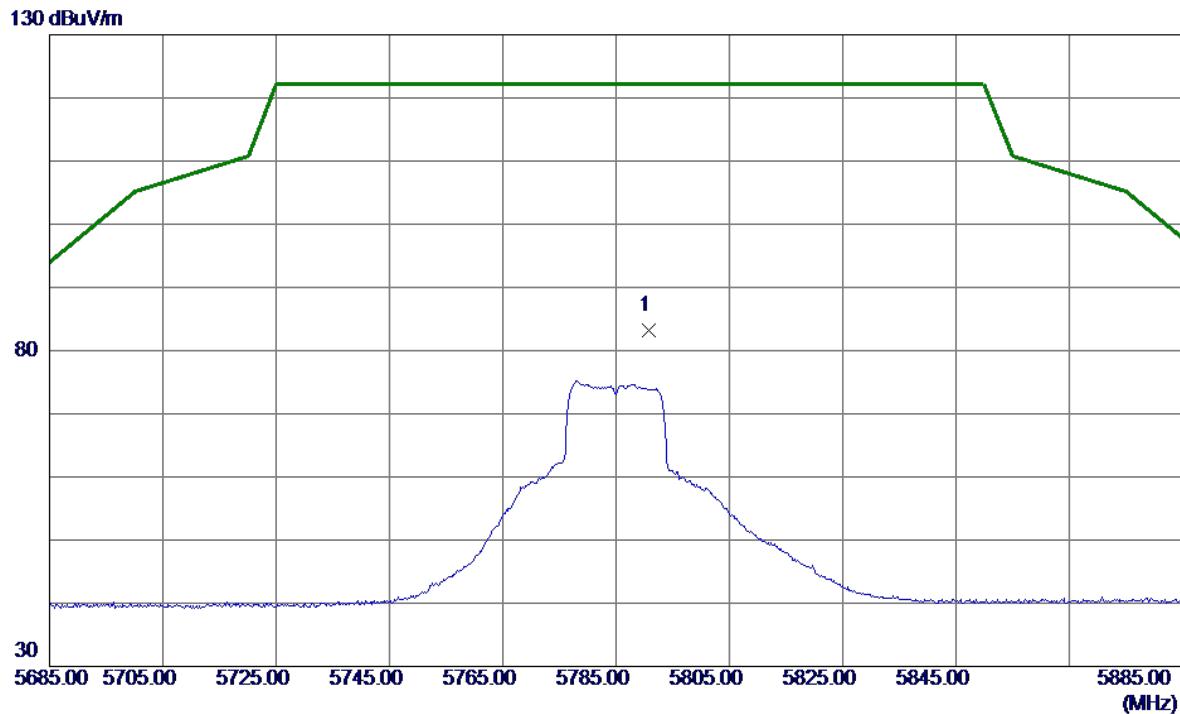


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	17233.5500	23.88	20.47	44.35	54.00	-9.65	AVG
2	17234.6750	32.68	20.48	53.16	68.20	-15.04	Peak

**REMARKS:**

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

Test Mode	UNII-3_TX A Mode 5785 MHz	Polarization	Vertical
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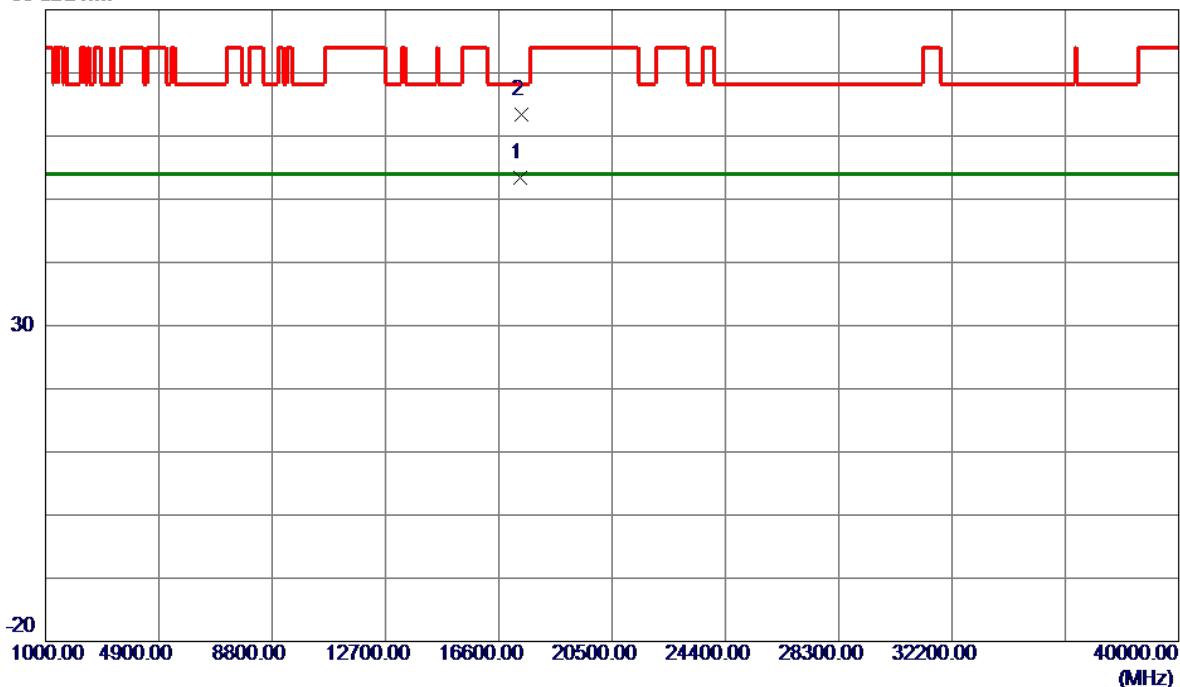
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	5790.7000	76.36	6.84	83.20	122.20	-39.00	Peak

**REMARKS:**

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

Test Mode	UNII-3_TX A Mode 5785 MHz	Polarization	Vertical
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80 dBuV/m



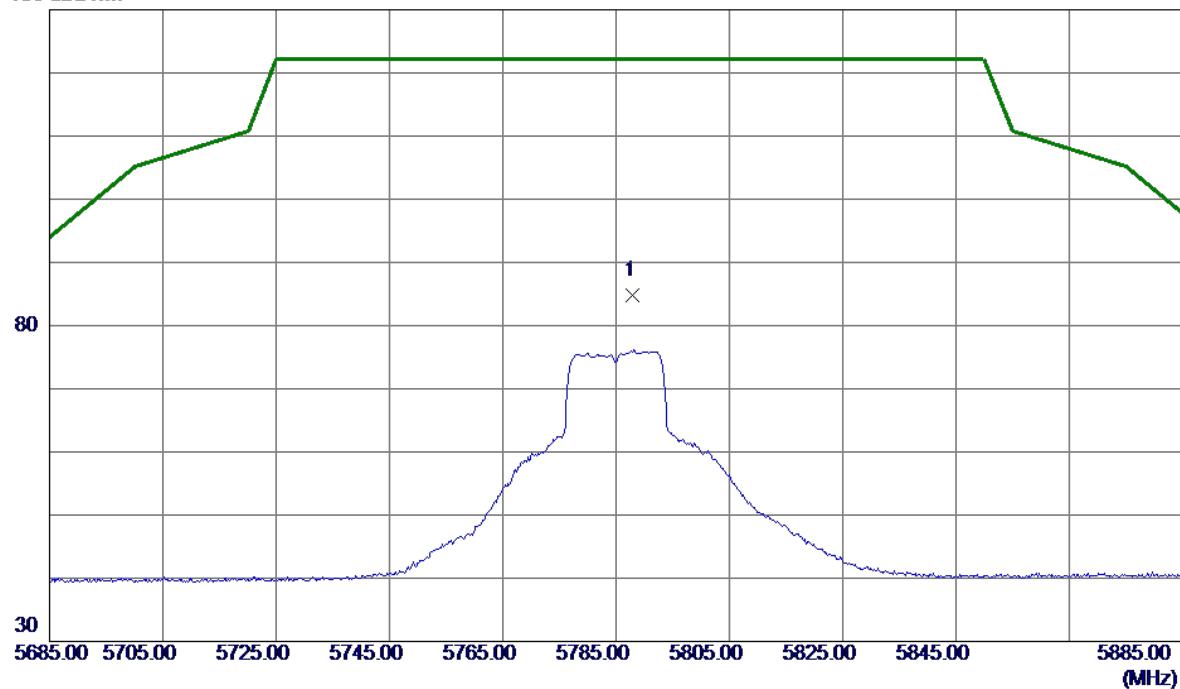
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment	dBuV/m	dB		
1 *	17349.8000	32.54	20.92	53.46	54.00	-0.54	AVG	
2	17359.3000	42.48	20.96	63.44	68.20	-4.76	Peak	

**REMARKS:**

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

Test Mode	UNII-3_TX A Mode 5785 MHz	Polarization	Horizontal
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130 dBuV/m

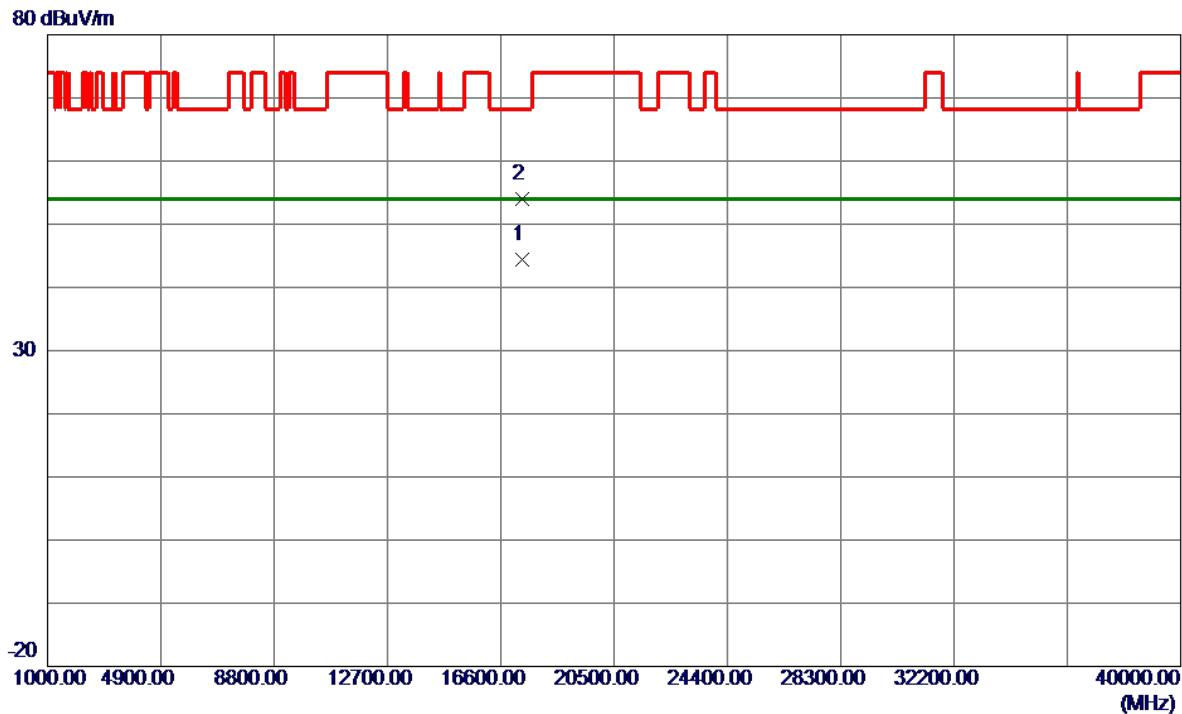


No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment	dBuV/m	dB		
1 *	5788.0000	77.94	6.83	84.77	122.20	-37.43	Peak	No Limit

## REMARKS:

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

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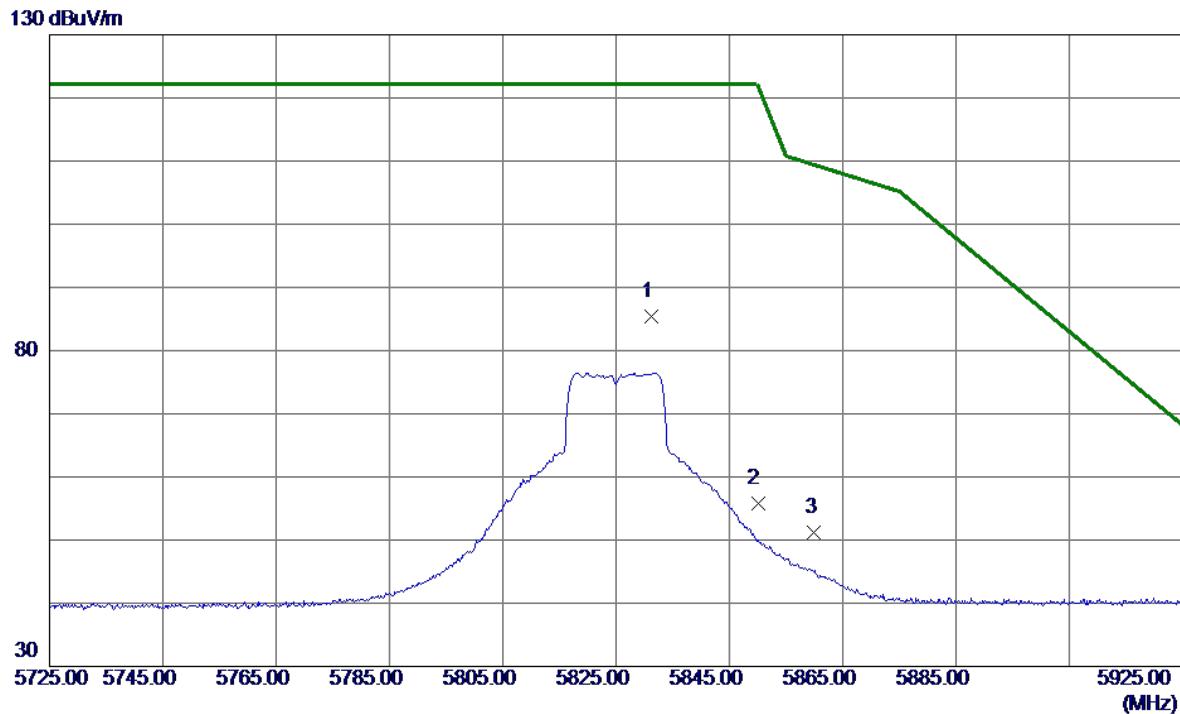


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	17349.6000	23.47	20.92	44.39	54.00	-9.61	AVG
2	17350.4000	33.05	20.92	53.97	68.20	-14.23	Peak

**REMARKS:**

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

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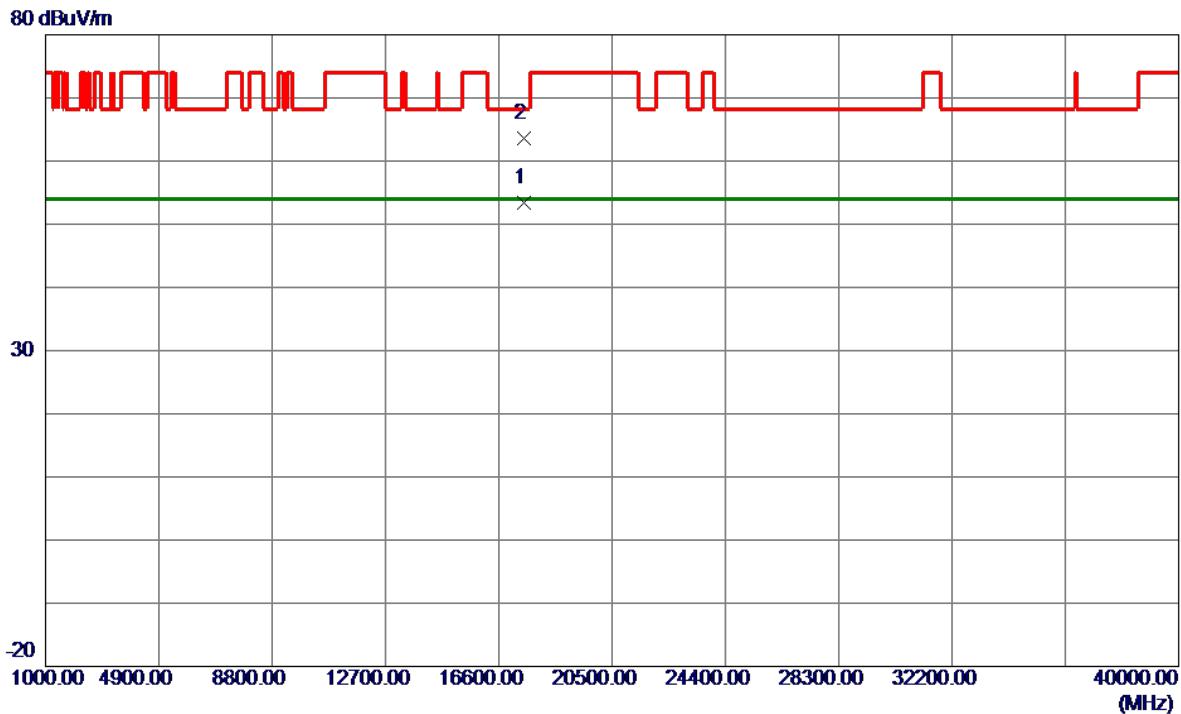


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5831.3000	78.58	6.86	85.44	122.20	-36.76	Peak	No Limit
2	5850.0000	49.00	6.87	55.87	122.20	-66.33	Peak	
3	5860.0000	44.38	6.88	51.26	109.40	-58.14	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX A Mode 5825 MHz	Polarization	Vertical
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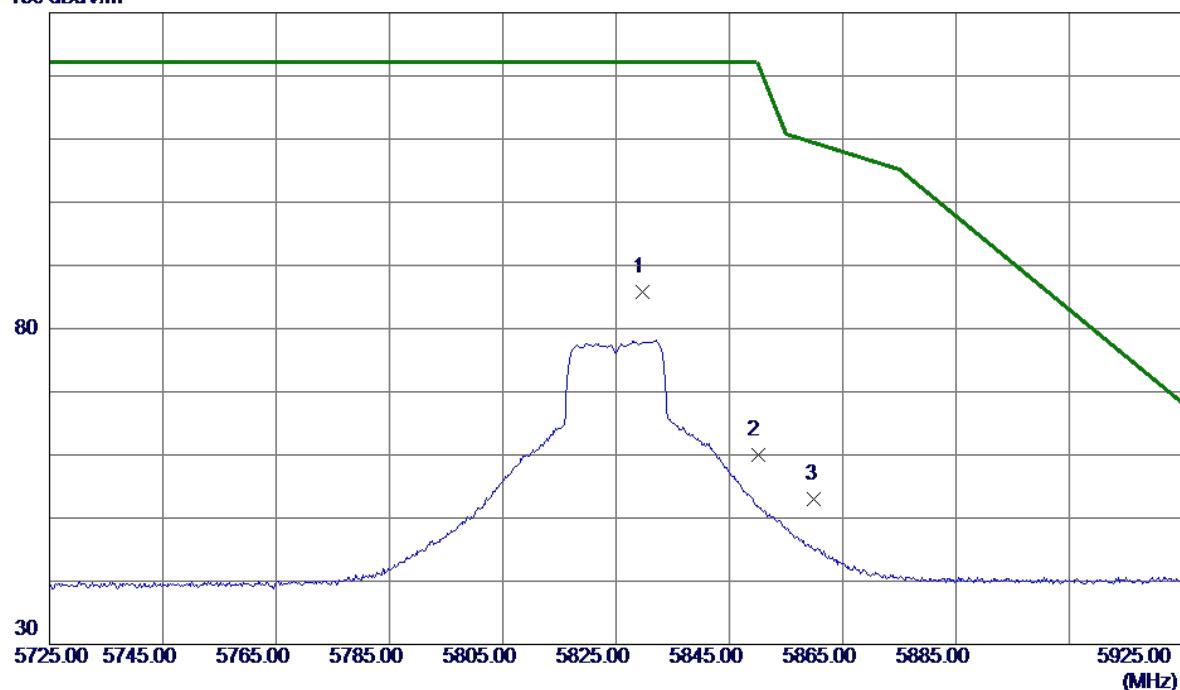
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1 *	17477.0500	31.94	21.41	53.35	54.00	-0.65	AVG	
2	17485.1600	42.25	21.44	63.69	68.20	-4.51	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX A Mode 5825 MHz	Polarization	Horizontal
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130 dBuV/m

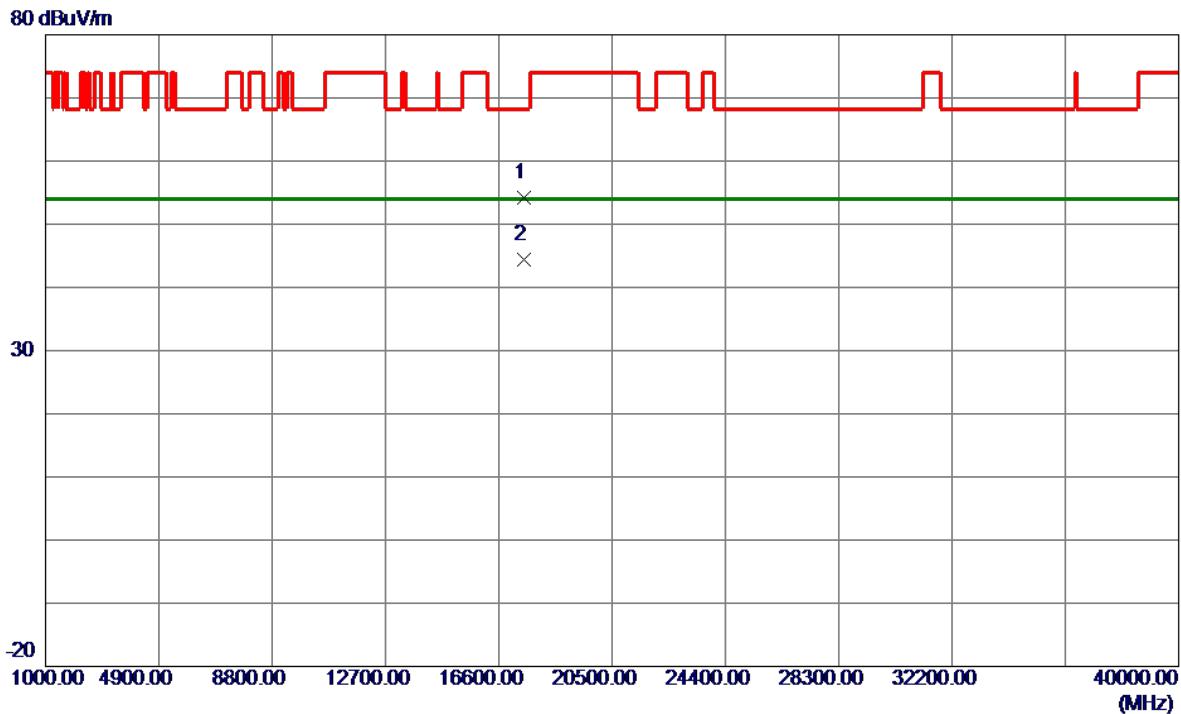


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5829.7000	78.99	6.86	85.85	122.20	-36.35	Peak	No Limit
2	5850.0000	53.11	6.87	59.98	122.20	-62.22	Peak	
3	5860.0000	46.18	6.88	53.06	109.40	-56.34	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX A Mode 5825 MHz	Polarization	Horizontal
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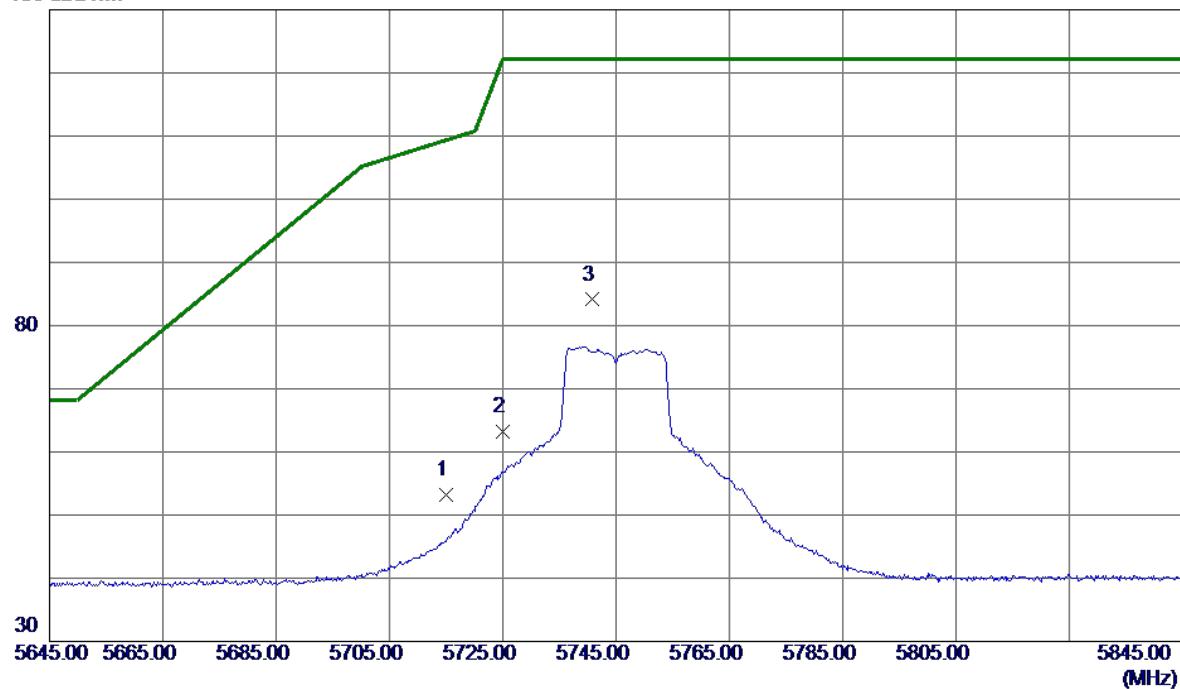
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	17475.4000	32.86	21.41	54.27	68.20	-13.93	Peak	
2 *	17476.7300	22.98	21.41	44.39	54.00	-9.61	AVG	

**REMARKS:**

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

Test Mode	UNII-3_TX N(HT20) Mode 5745 MHz	Polarization	Vertical
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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	46.39	6.79	53.18	109.40	-56.22	Peak	
2	5725.0000	56.47	6.80	63.27	122.20	-58.93	Peak	
3 *	5740.8000	77.29	6.81	84.10	122.20	-38.10	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-3_TX N(HT20) Mode 5745 MHz	Polarization	Vertical
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80 dBuV/m



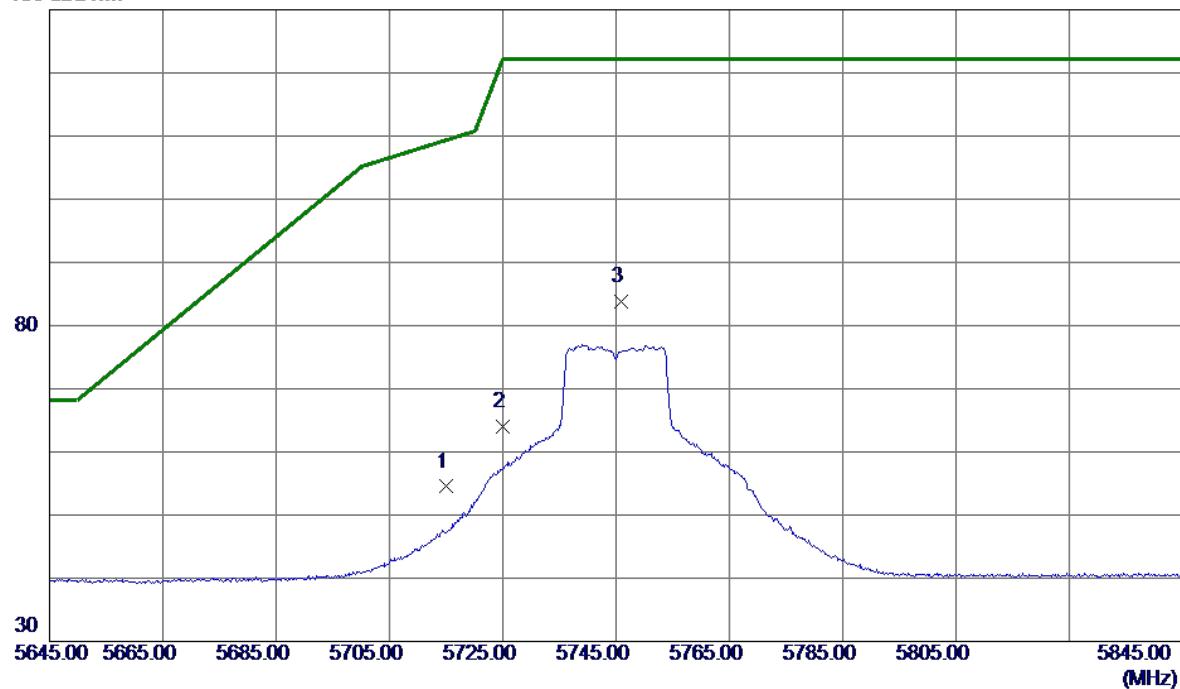
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1 *	17232.9000	32.71	20.47	53.18	54.00	-0.82	AVG	
2	17233.5500	41.32	20.47	61.79	68.20	-6.41	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX N(HT20) Mode 5745 MHz	Polarization	Horizontal
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130 dBuV/m



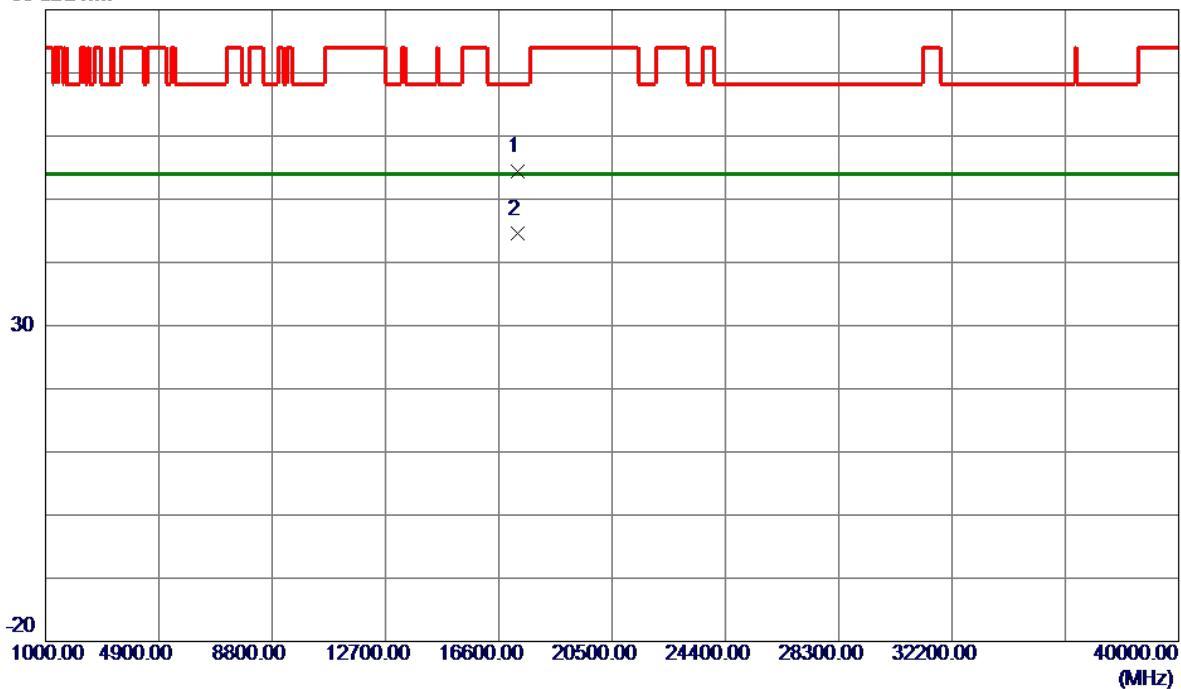
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5715.0000	47.71	6.79	54.50	109.40	-54.90	Peak	
2	5725.0000	57.27	6.80	64.07	122.20	-58.13	Peak	
3 *	5745.8000	77.00	6.81	83.81	122.20	-38.39	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-3_TX N(HT20) Mode 5745 MHz	Polarization	Horizontal
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80 dBuV/m



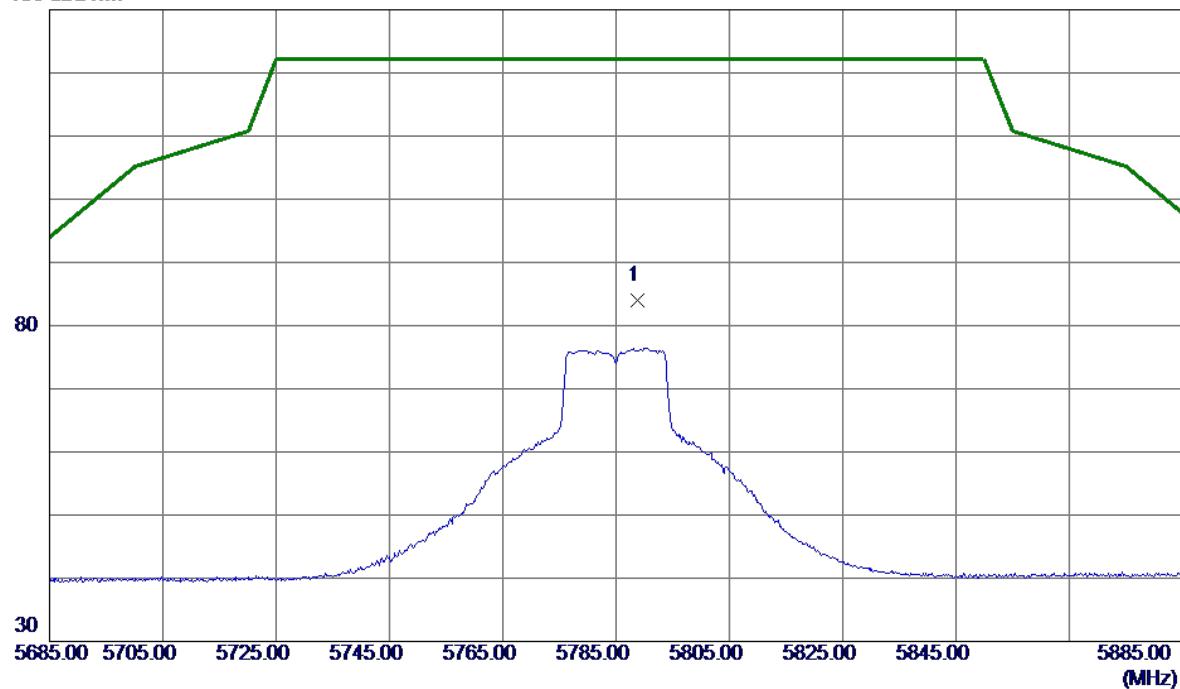
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	17232.0000	33.99	20.47	54.46	68.20	-13.74	Peak
2 *	17233.1500	24.03	20.47	44.50	54.00	-9.50	AVG

## REMARKS:

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

Test Mode	UNII-3_TX N(HT20) Mode 5785 MHz	Polarization	Vertical
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130 dBuV/m



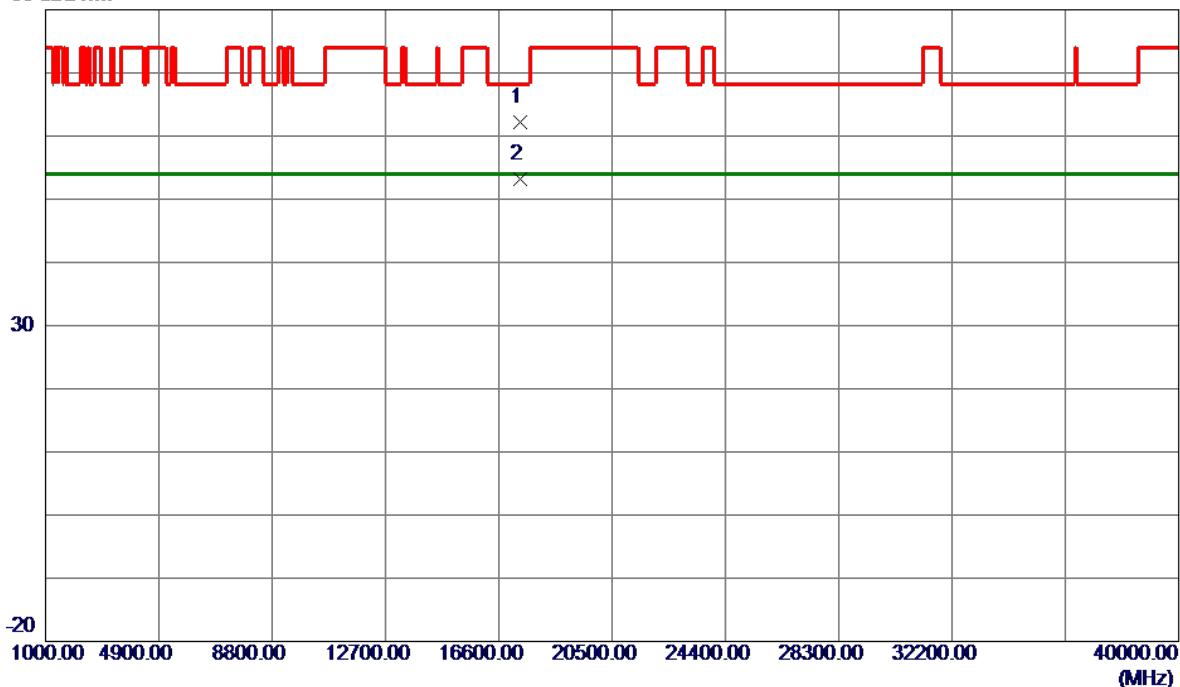
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5788.8000	77.12	6.84	83.96	122.20	-38.24	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-3_TX N(HT20) Mode 5785 MHz	Polarization	Vertical
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80 dBuV/m



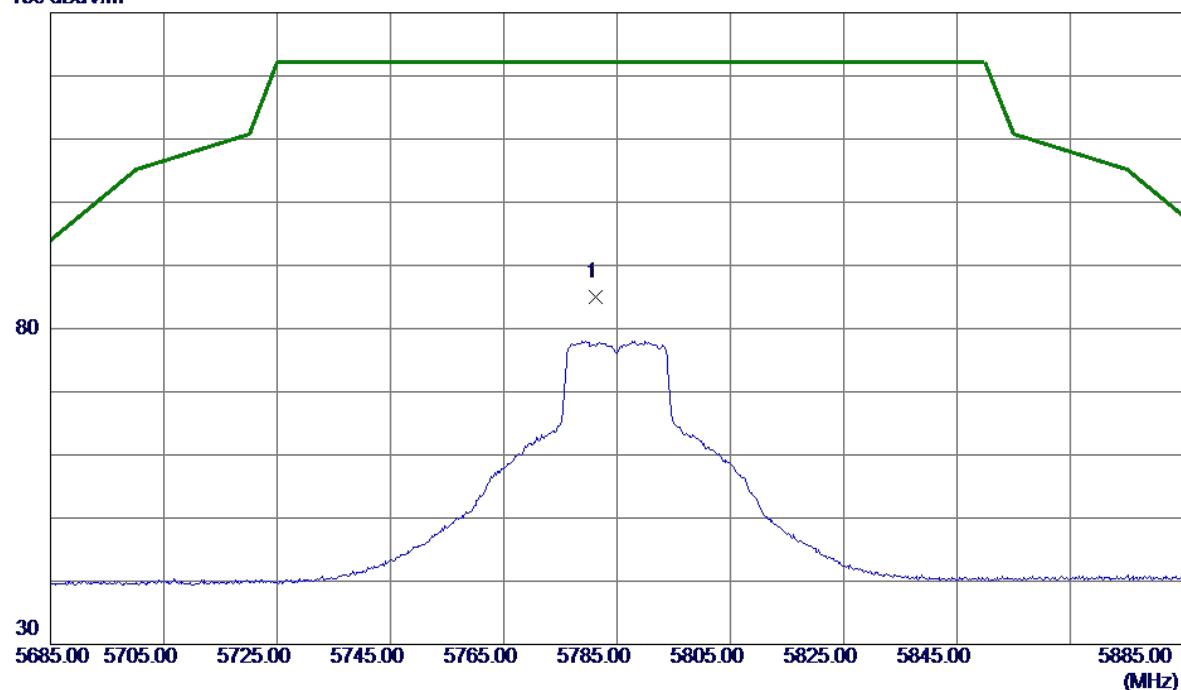
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1	17346.7000	41.21	20.91	62.12	68.20	-6.08	Peak	
2 *	17348.2500	32.31	20.91	53.22	54.00	-0.78	AVG	

## REMARKS:

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

Test Mode	UNII-3_TX N(HT20) Mode 5785 MHz	Polarization	Horizontal
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130 dBuV/m

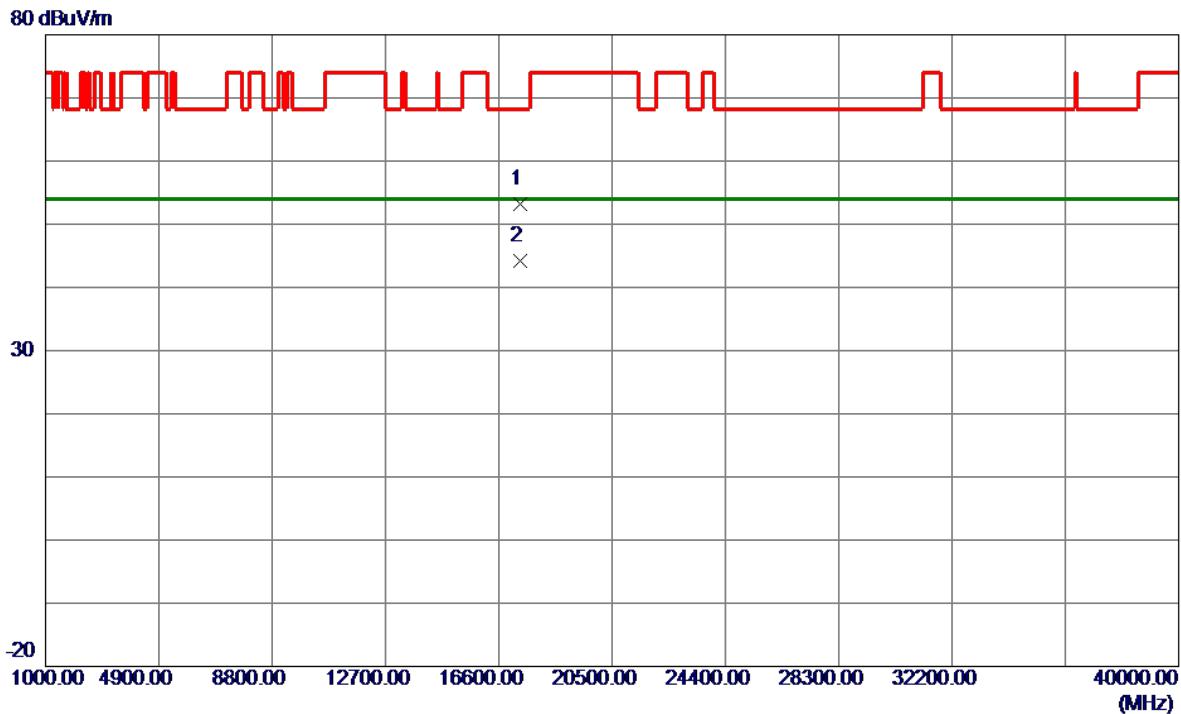


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5781.2000	78.14	6.83	84.97	122.20	-37.23	Peak	No Limit

## REMARKS:

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

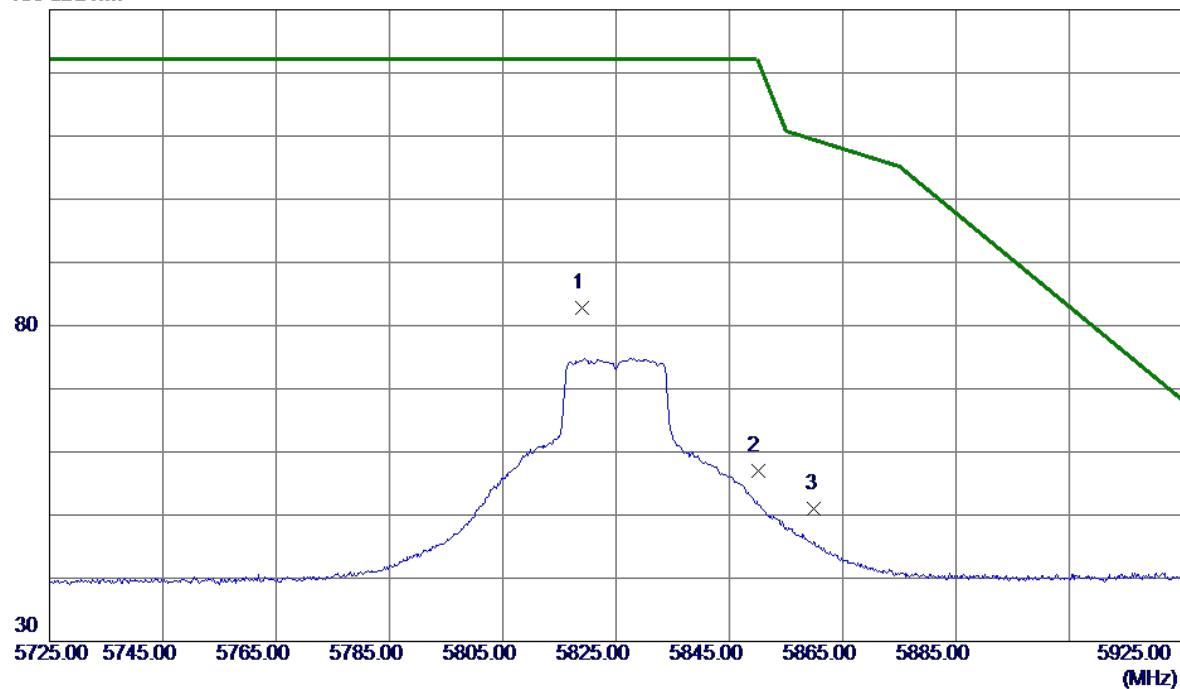
Test Mode	UNII-3_TX N(HT20) Mode 5785 MHz	Polarization	Horizontal
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**REMARKS:**

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

Test Mode	UNII-3_TX N(HT20) Mode 5825 MHz	Polarization	Vertical
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130 dBuV/m



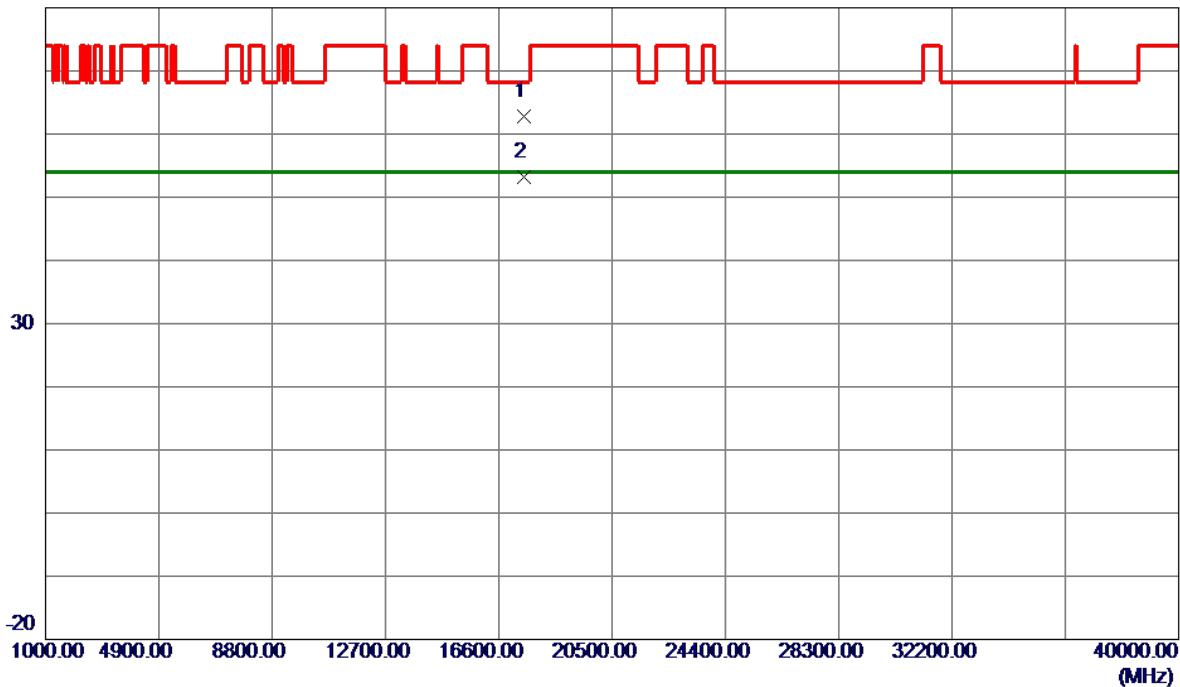
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5819.0000	75.94	6.85	82.79	122.20	-39.41	Peak	No Limit
2	5850.0000	50.12	6.87	56.99	122.20	-65.21	Peak	
3	5860.0000	44.06	6.88	50.94	109.40	-58.46	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX N(HT20) Mode 5825 MHz	Polarization	Vertical
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80 dBuV/m



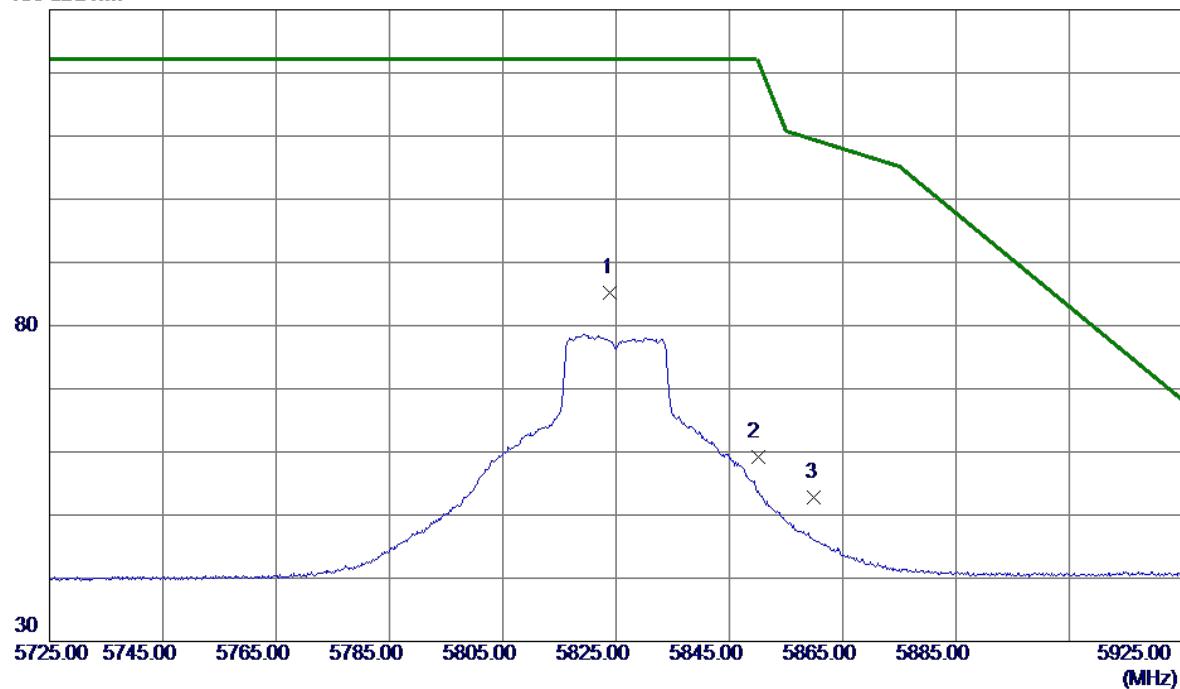
No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	17464.7500	41.39	21.36	62.75	68.20	-5.45	Peak	
2 *	17475.3500	31.77	21.40	53.17	54.00	-0.83	AVG	

## REMARKS:

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

Test Mode	UNII-3_TX N(HT20) Mode 5825 MHz	Polarization	Horizontal
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130 dBuV/m



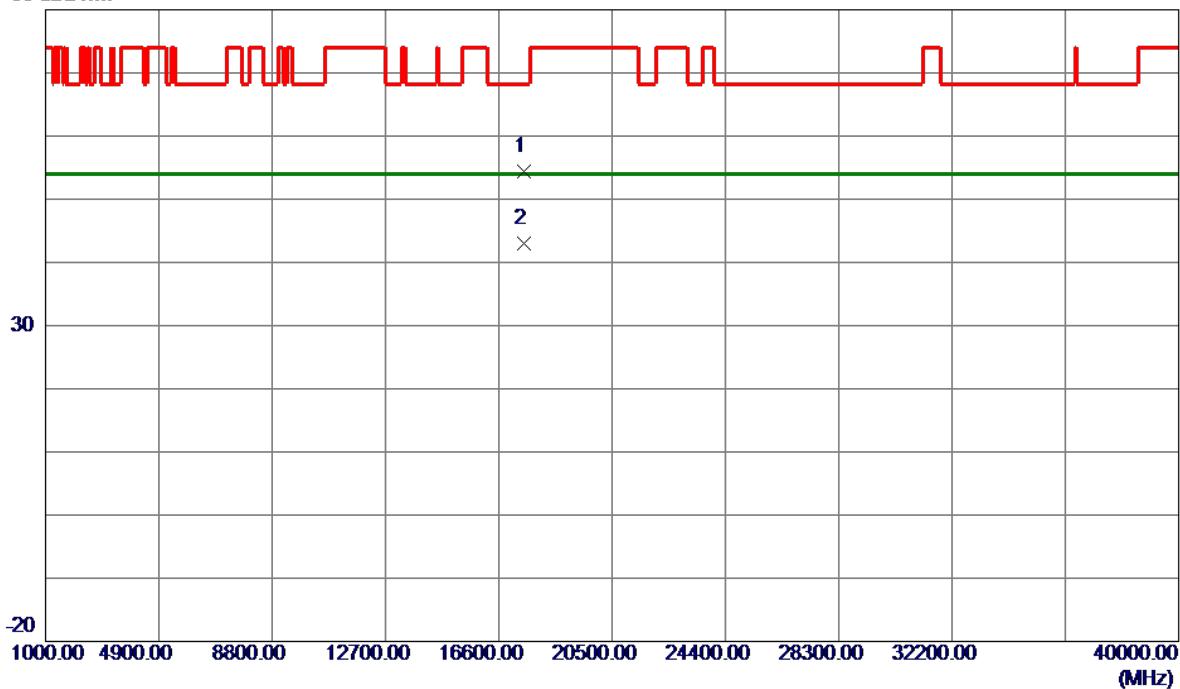
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5824.0000	78.35	6.86	85.21	122.20	-36.99	Peak	No Limit
2	5850.0000	52.38	6.87	59.25	122.20	-62.95	Peak	
3	5860.0000	45.86	6.88	52.74	109.40	-56.66	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX N(HT20) Mode 5825 MHz	Polarization	Horizontal
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80 dBuV/m

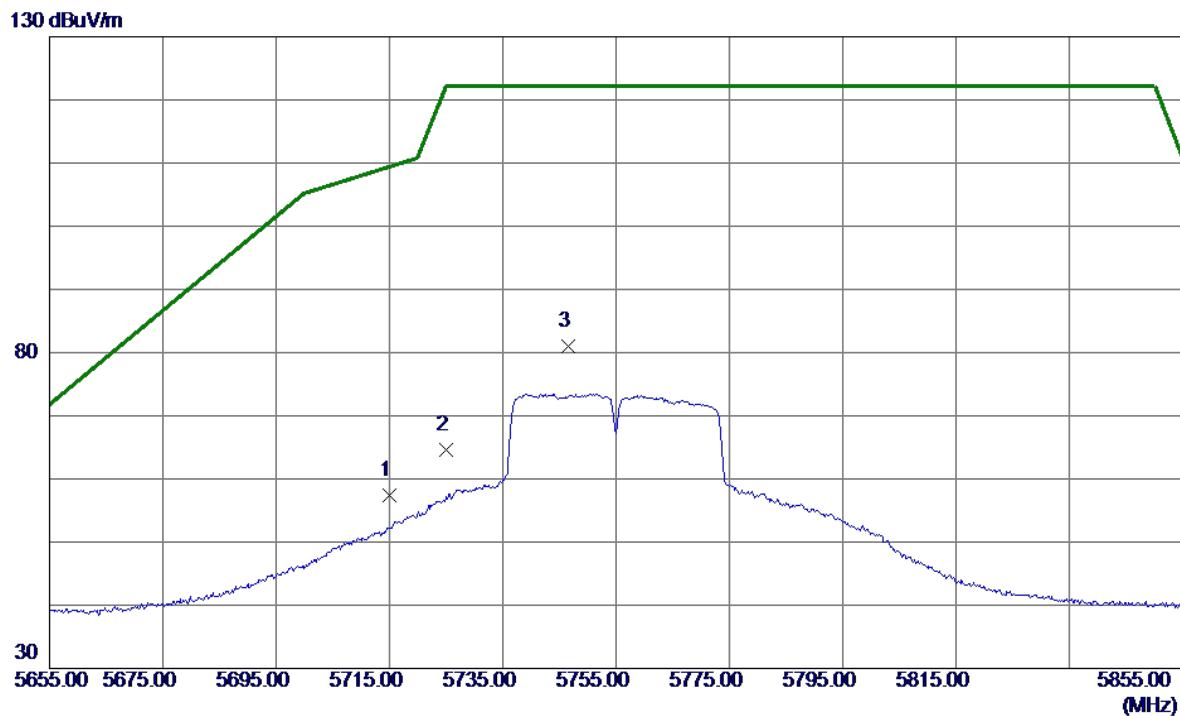


No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	17462.4500	33.12	21.36	54.48	68.20	-13.72	Peak	
2 *	17463.2000	21.71	21.36	43.07	54.00	-10.93	AVG	

## REMARKS:

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

Test Mode	UNII-3_TX N(HT40) Mode 5755 MHz	Polarization	Vertical
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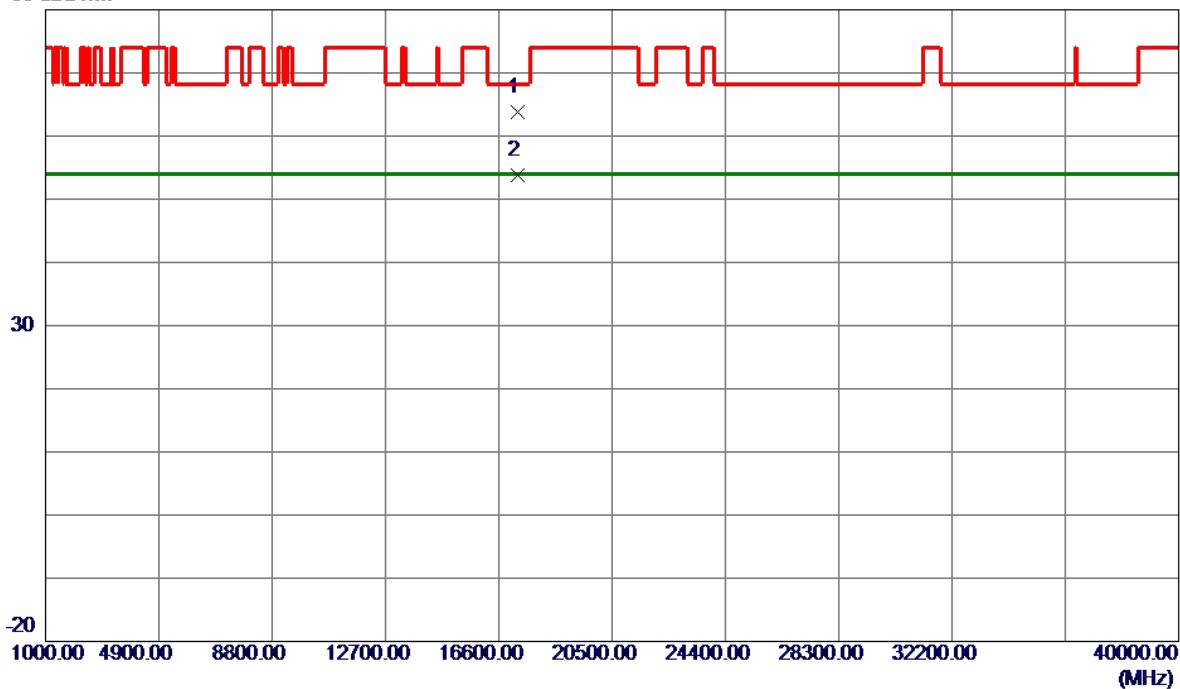
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5715.0000	50.57	6.79	57.36	109.40	-52.04	Peak	
2	5725.0000	57.72	6.80	64.52	122.20	-57.68	Peak	
3 *	5746.6000	74.27	6.81	81.08	122.20	-41.12	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-3_TX N(HT40) Mode 5755 MHz	Polarization	Vertical
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80 dBuV/m



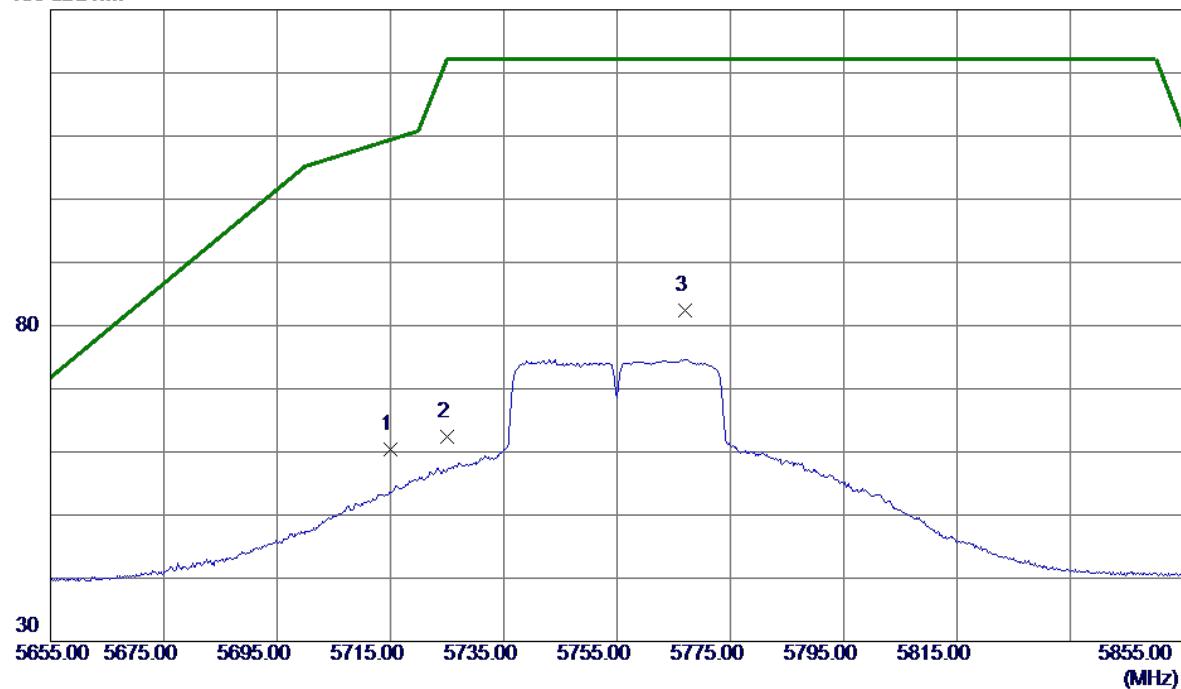
No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	17246.8500	43.21	20.52	63.73	68.20	-4.47	Peak	
2 *	17253.8000	33.17	20.55	53.72	54.00	-0.28	AVG	

## REMARKS:

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

Test Mode	UNII-3_TX N(HT40) Mode 5755 MHz	Polarization	Horizontal
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130 dBuV/m



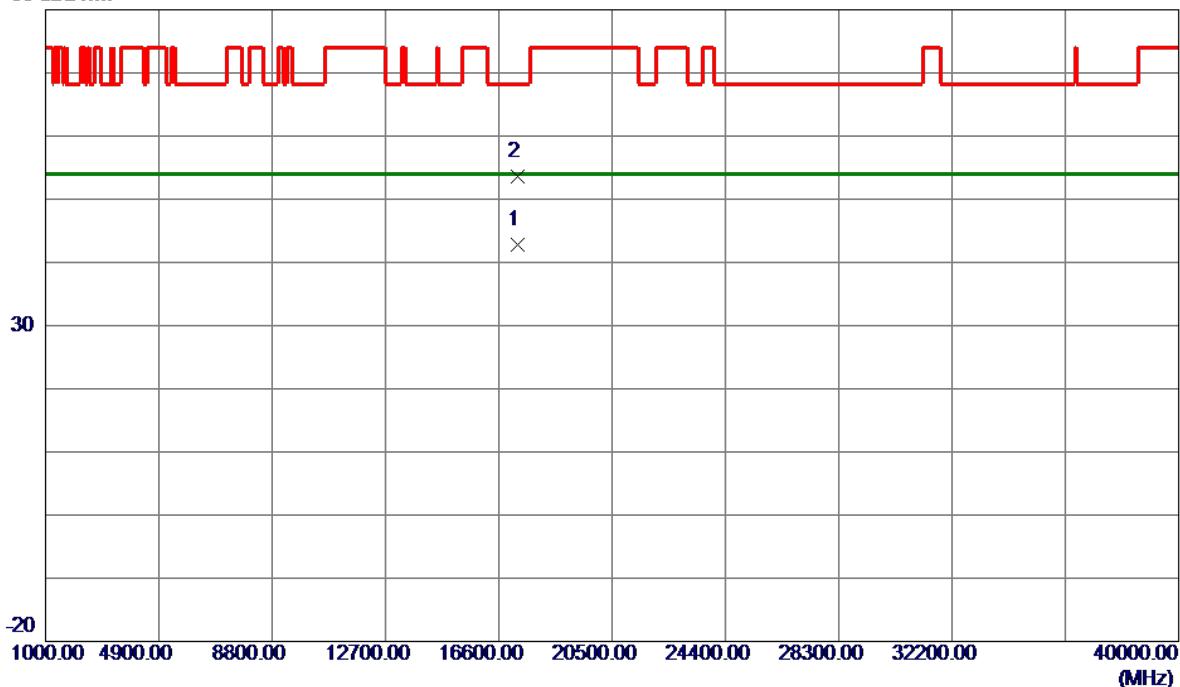
No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5715.0000	53.55	6.79	60.34	109.40	-49.06	Peak	
2	5725.0000	55.51	6.80	62.31	122.20	-59.89	Peak	
3 *	5767.0000	75.58	6.82	82.40	122.20	-39.80	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-3_TX N(HT40) Mode 5755 MHz	Polarization	Horizontal
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80 dBuV/m



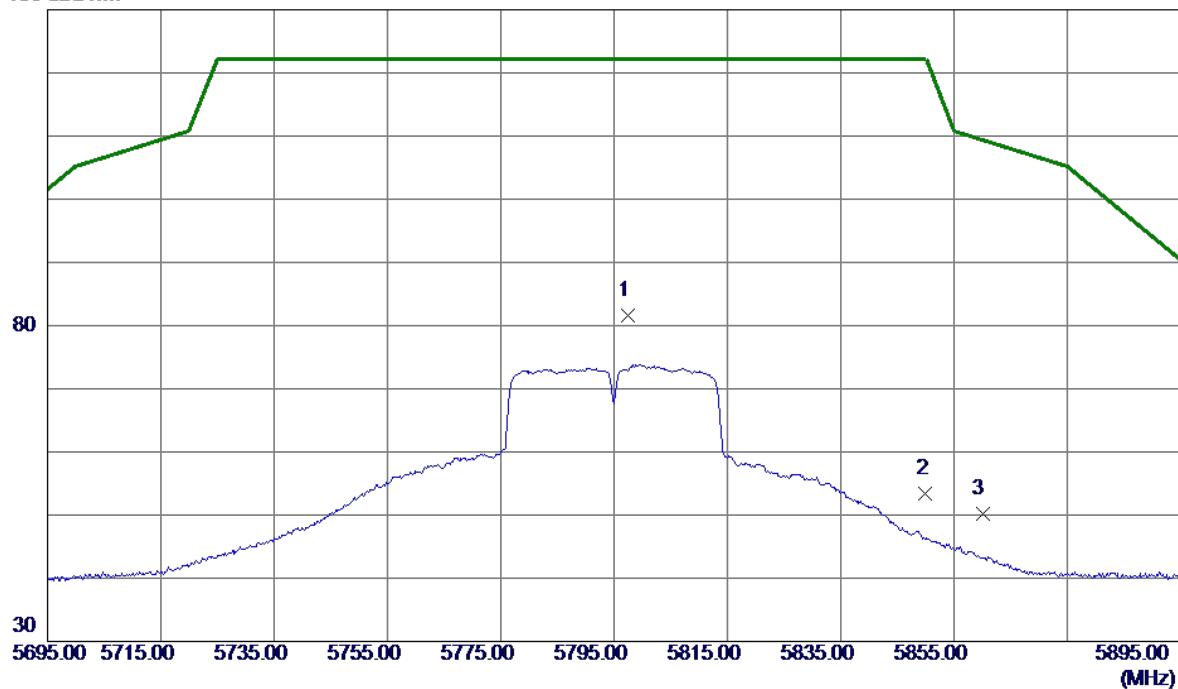
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1 *	17255.9000	22.23	20.56	42.79	54.00	-11.21	AVG	
2	17262.5000	33.05	20.58	53.63	68.20	-14.57	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX N(HT40) Mode 5795 MHz	Polarization	Vertical
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130 dBuV/m



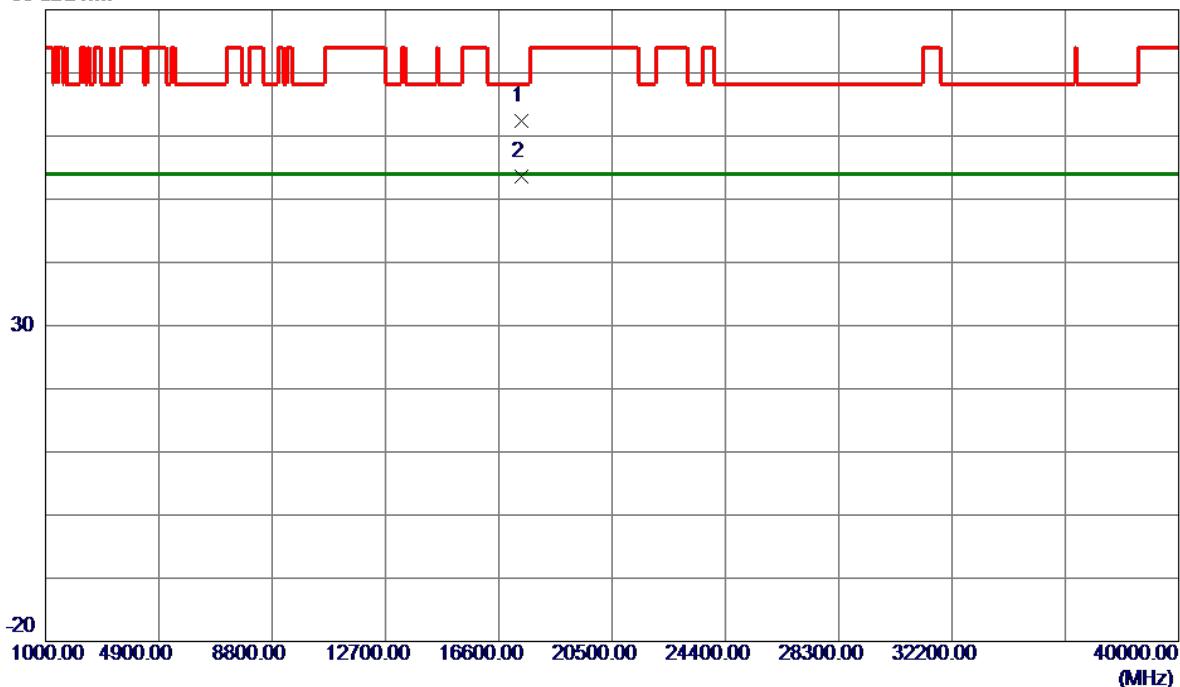
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5797.4000	74.72	6.84	81.56	122.20	-40.64	Peak	No Limit
2	5850.0000	46.50	6.87	53.37	122.20	-68.83	Peak	
3	5860.0000	43.31	6.88	50.19	109.40	-59.21	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX N(HT40) Mode 5795 MHz	Polarization	Vertical
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80 dBuV/m

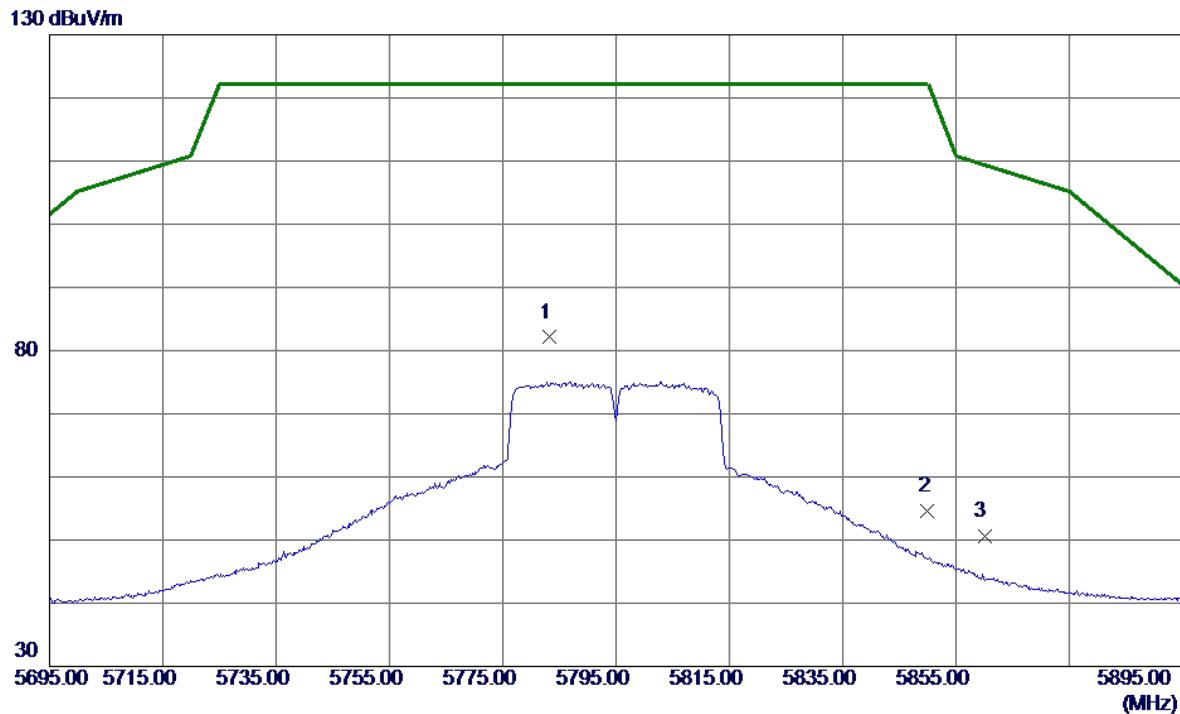


No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1	17376.0000	41.39	21.02	62.41	68.20	-5.79	Peak	
2 *	17380.0750	32.63	21.04	53.67	54.00	-0.33	AVG	

## REMARKS:

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

Test Mode	UNII-3_TX N(HT40) Mode 5795 MHz	Polarization	Horizontal
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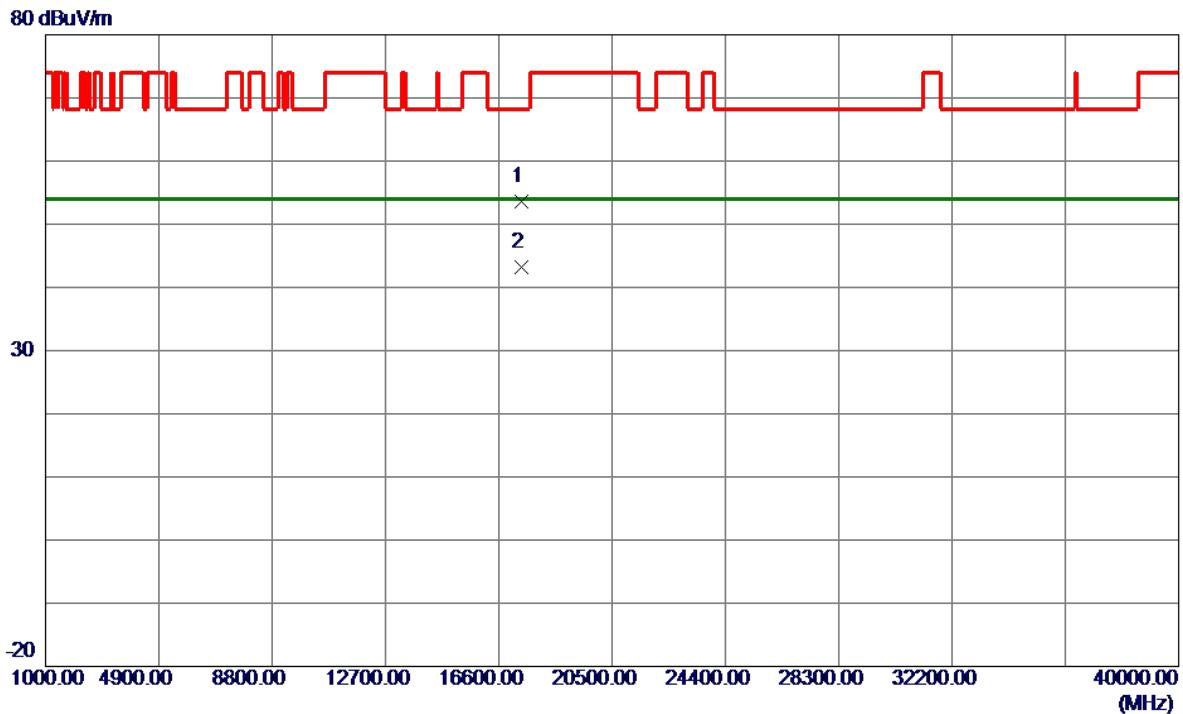


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5783.2000	75.27	6.83	82.10	122.20	-40.10	Peak	No Limit
2	5850.0000	47.81	6.87	54.68	122.20	-67.52	Peak	
3	5860.0000	43.74	6.88	50.62	109.40	-58.78	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX N(HT40) Mode 5795 MHz	Polarization	Horizontal
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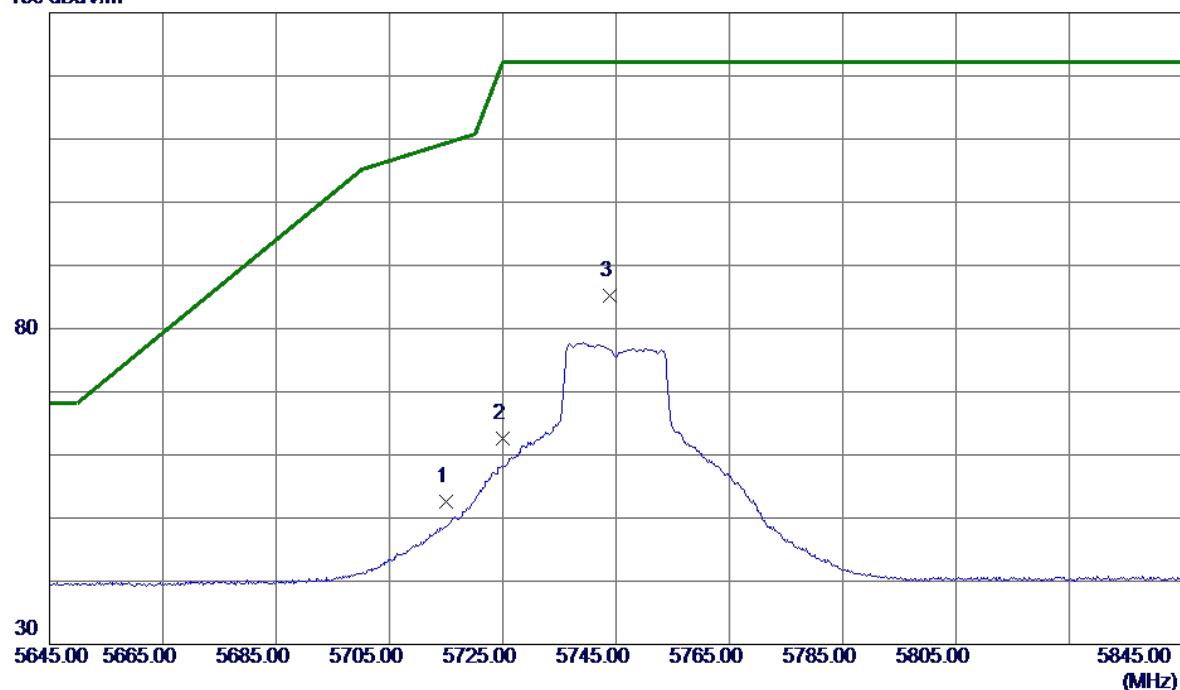
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	17379.4750	32.55	21.03	53.58	68.20	-14.62	Peak	
2 *	17380.5250	22.08	21.04	43.12	54.00	-10.88	AVG	

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5745 MHz	Polarization	Vertical
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130 dBuV/m

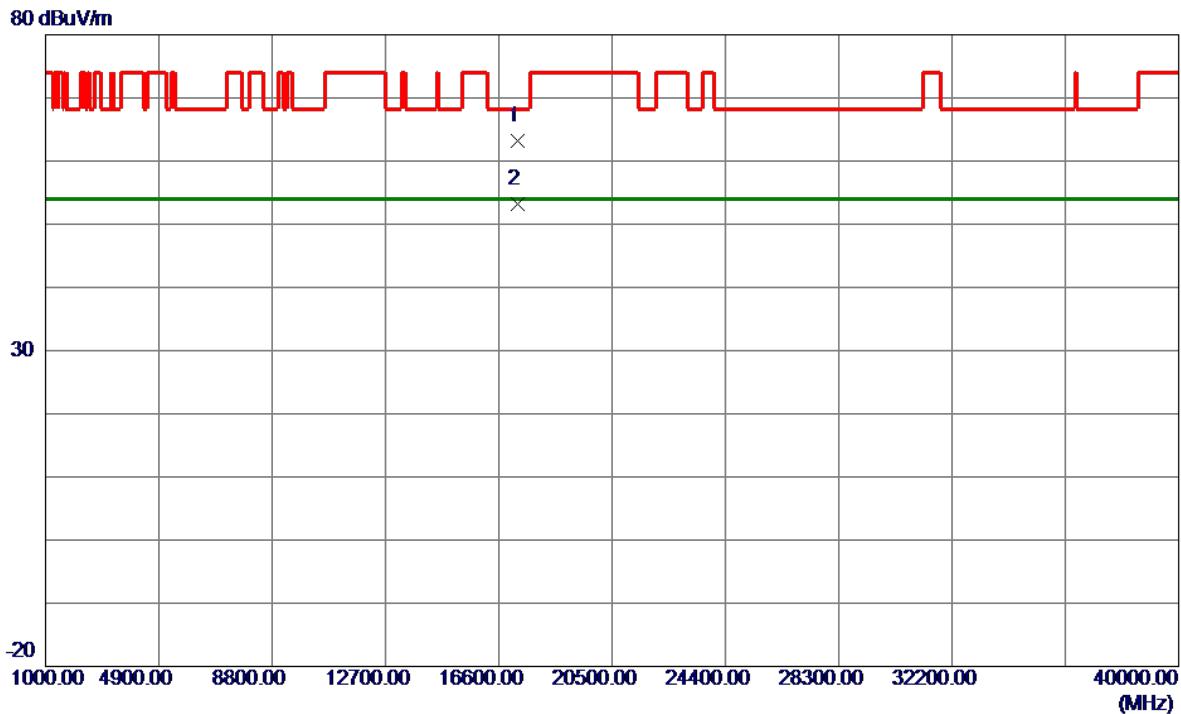


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5715.0000	45.84	6.79	52.63	109.40	-56.77	Peak	
2	5725.0000	55.72	6.80	62.52	122.20	-59.68	Peak	
3 *	5743.9000	78.35	6.81	85.16	122.20	-37.04	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5745 MHz	Polarization	Vertical
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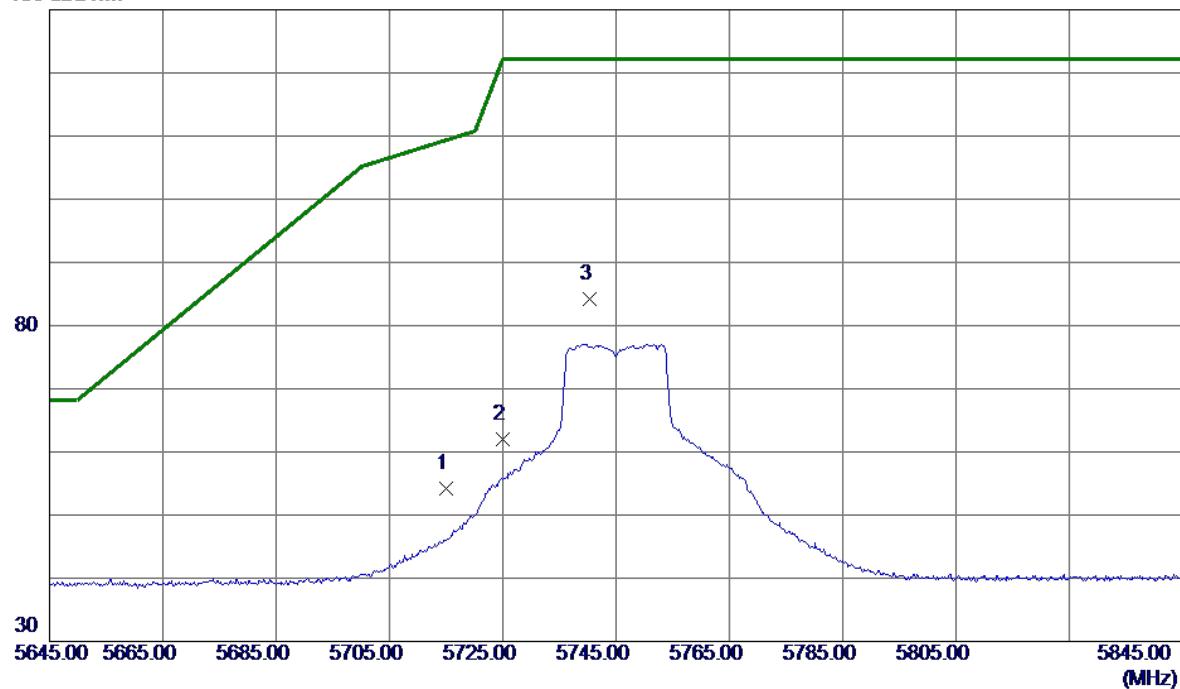
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1	17232.7750	42.81	20.47	63.28	68.20	-4.92	Peak
2 *	17233.3250	32.74	20.47	53.21	54.00	-0.79	AVG

**REMARKS:**

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5745 MHz	Polarization	Horizontal
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130 dBuV/m

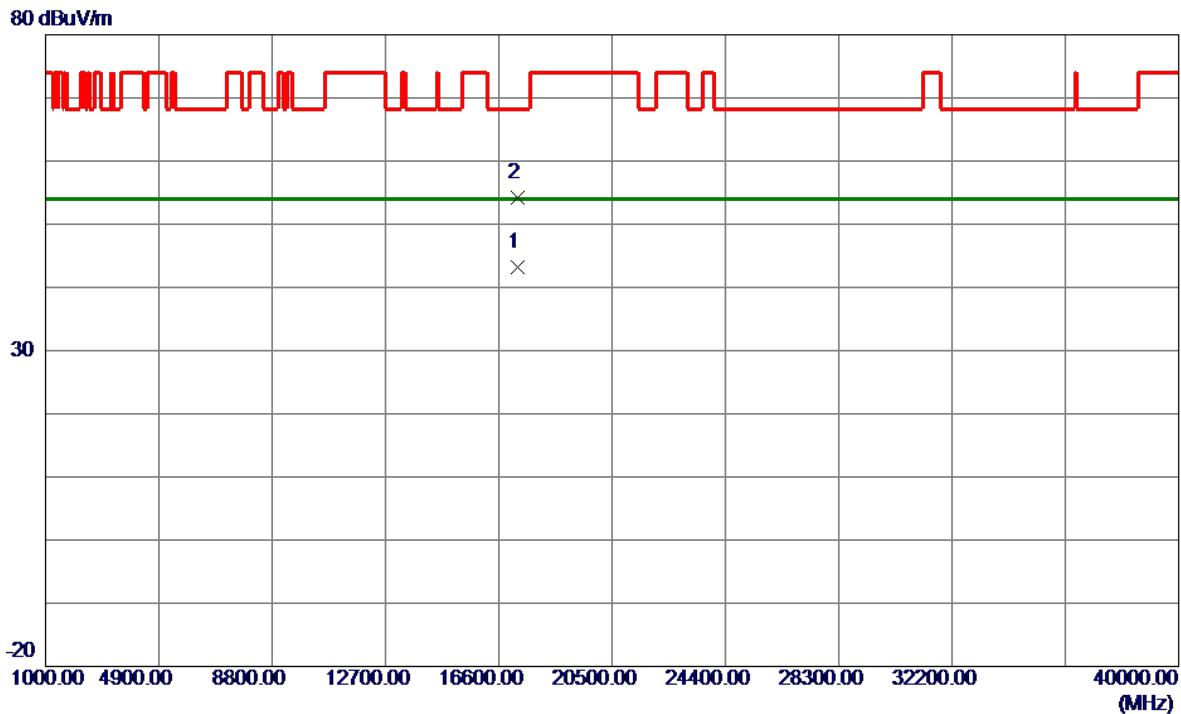


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	47.38	6.79	54.17	109.40	-55.23	Peak	
2	5725.0000	55.26	6.80	62.06	122.20	-60.14	Peak	
3 *	5740.3000	77.31	6.81	84.12	122.20	-38.08	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5745 MHz	Polarization	Horizontal
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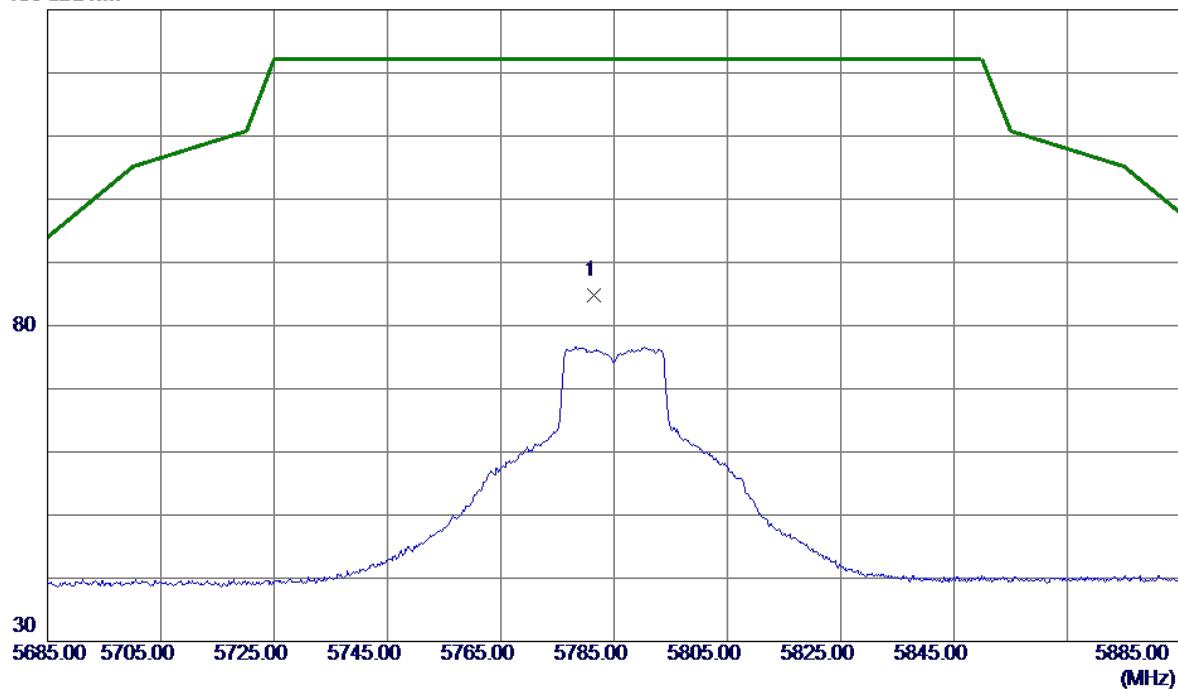
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1 *	17235.4250	22.66	20.48	43.14	54.00	-10.86	AVG	
2	17241.6000	33.61	20.50	54.11	68.20	-14.09	Peak	

**REMARKS:**

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5785 MHz	Polarization	Vertical
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130 dBuV/m



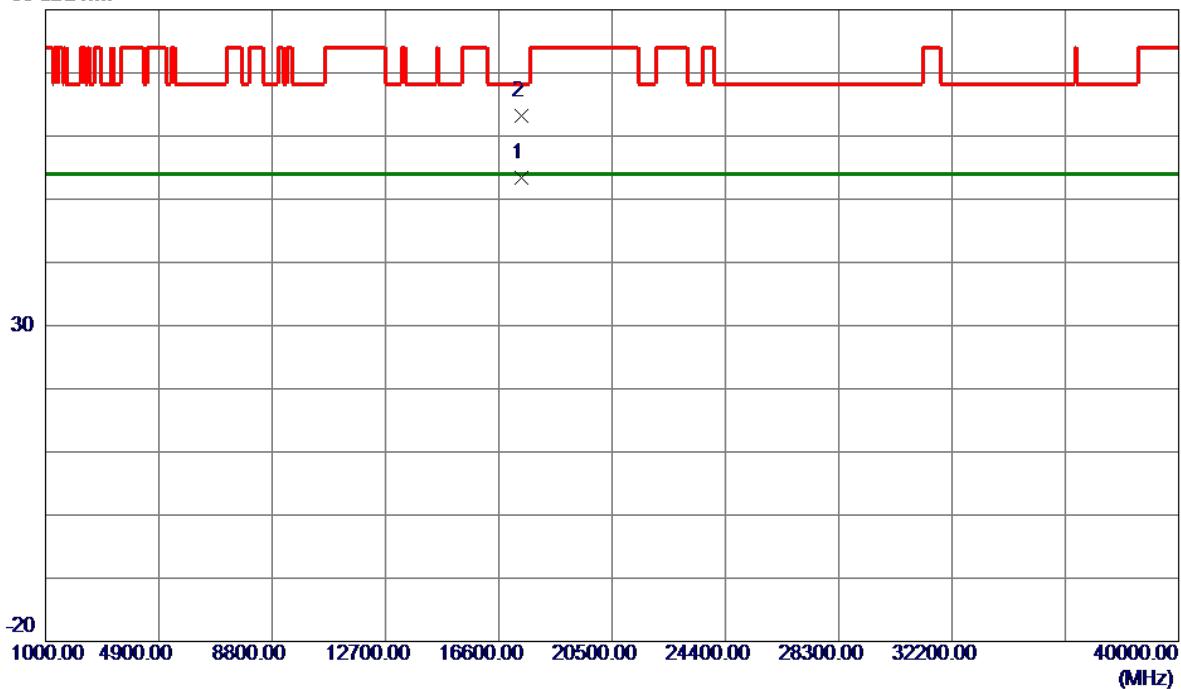
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5781.4000	78.00	6.83	84.83	122.20	-37.37	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5785 MHz	Polarization	Vertical
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80 dBuV/m



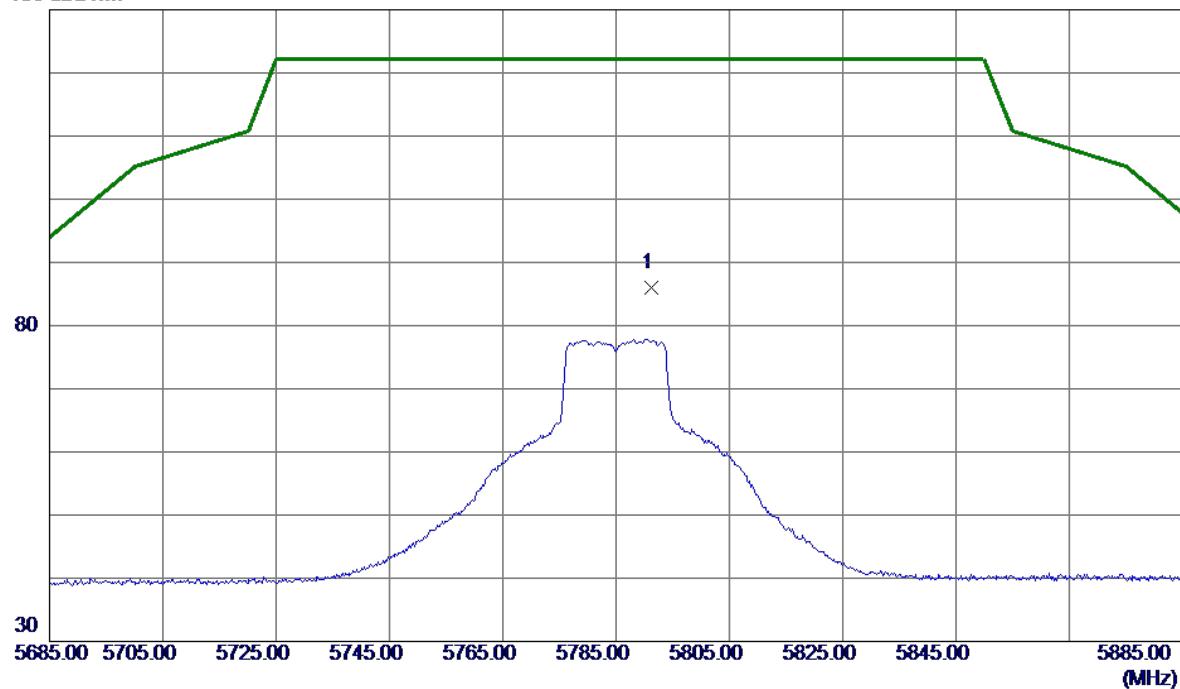
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1 *	17360.5000	32.39	20.96	53.35	54.00	-0.65	AVG	
2	17361.3500	42.21	20.96	63.17	68.20	-5.03	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5785 MHz	Polarization	Horizontal
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130 dBuV/m



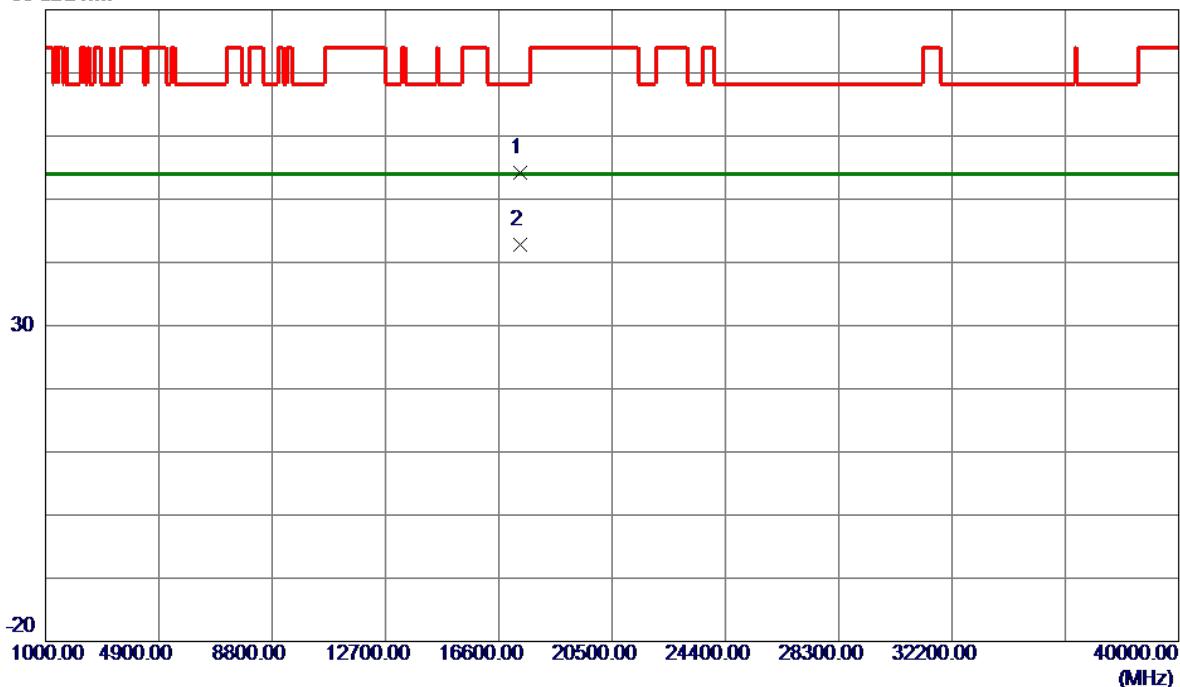
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment	dBuV/m	dB		
1 *	5791.3000	79.13	6.84	85.97	122.20	-36.23	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5785 MHz	Polarization	Horizontal
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80 dBuV/m



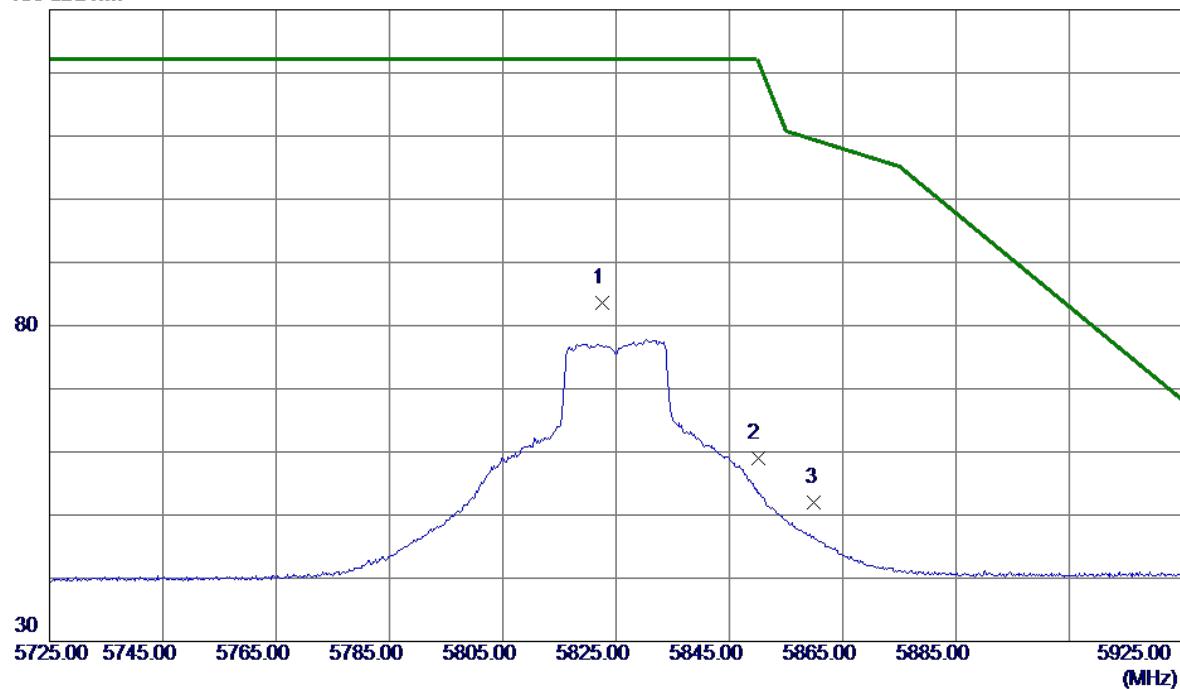
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	17343.6000	33.25	20.90	54.15	68.20	-14.05	Peak	
2 *	17350.9250	21.85	20.92	42.77	54.00	-11.23	AVG	

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5825 MHz	Polarization	Vertical
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130 dBuV/m



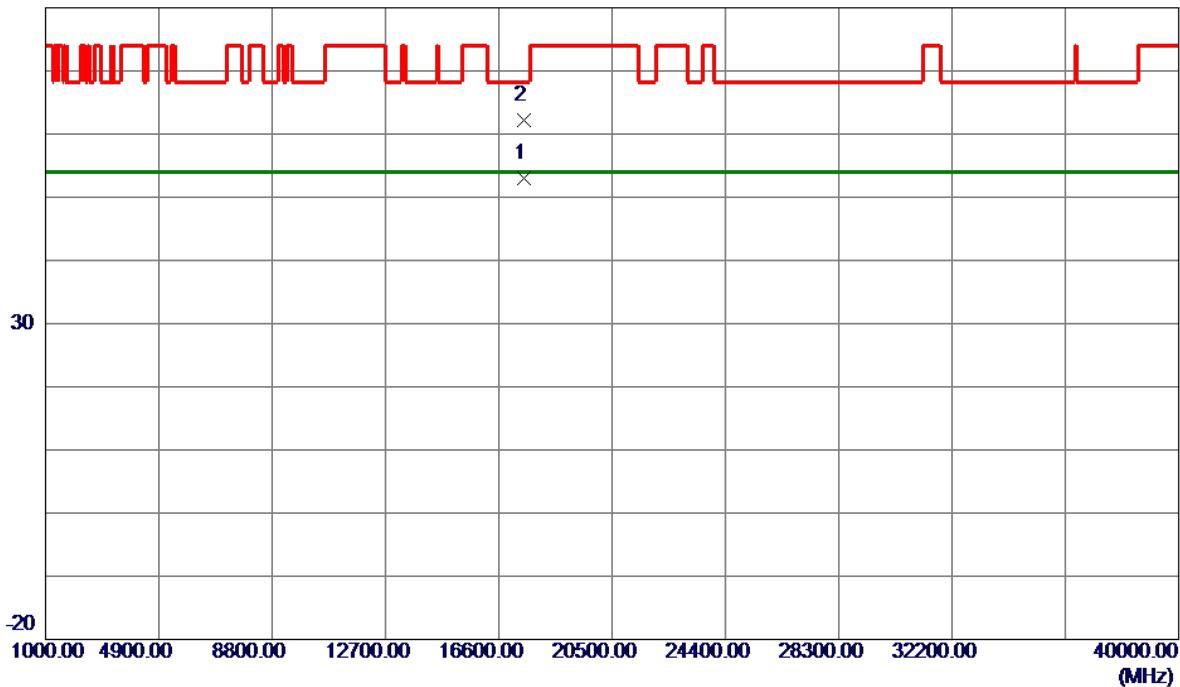
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	5822.6000	76.78	6.86	83.64	122.20	-38.56	Peak	No Limit
2	5850.0000	52.16	6.87	59.03	122.20	-63.17	Peak	
3	5860.0000	45.21	6.88	52.09	109.40	-57.31	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5825 MHz	Polarization	Vertical
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80 dBuV/m



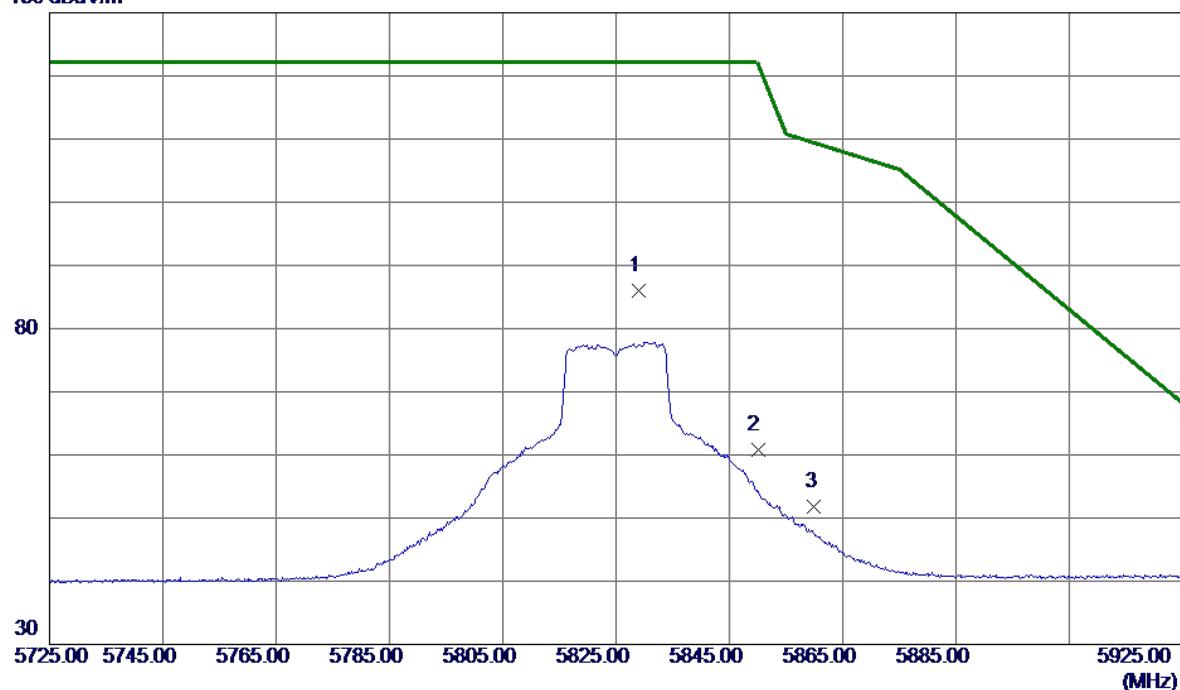
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1 *	17478.9500	31.59	21.42	53.01	54.00	-0.99	AVG	
2	17481.5000	40.69	21.43	62.12	68.20	-6.08	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5825 MHz	Polarization	Horizontal
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130 dBuV/m

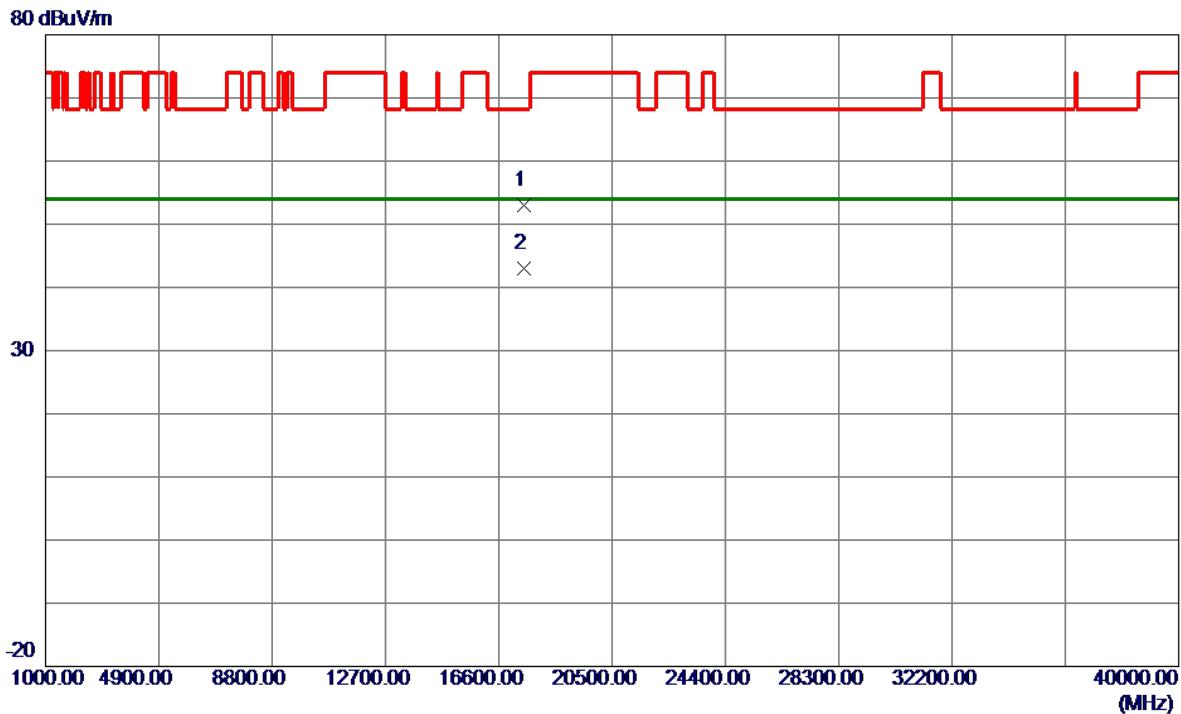


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5829.0000	79.21	6.86	86.07	122.20	-36.13	Peak	No Limit
2	5850.0000	53.84	6.87	60.71	122.20	-61.49	Peak	
3	5860.0000	44.83	6.88	51.71	109.40	-57.69	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5825 MHz	Polarization	Horizontal
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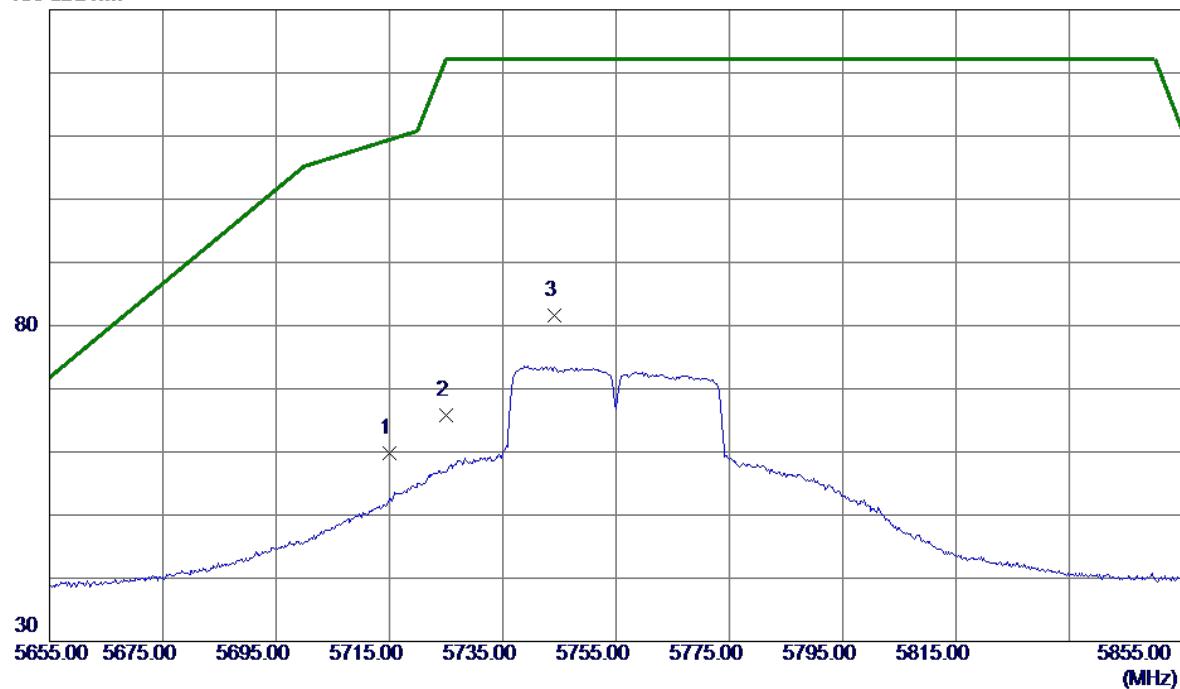
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	17478.0250	31.57	21.42	52.99	68.20	-15.21	Peak	
2 *	17478.8500	21.61	21.42	43.03	54.00	-10.97	AVG	

**REMARKS:**

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5755 MHz	Polarization	Vertical
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130 dBuV/m



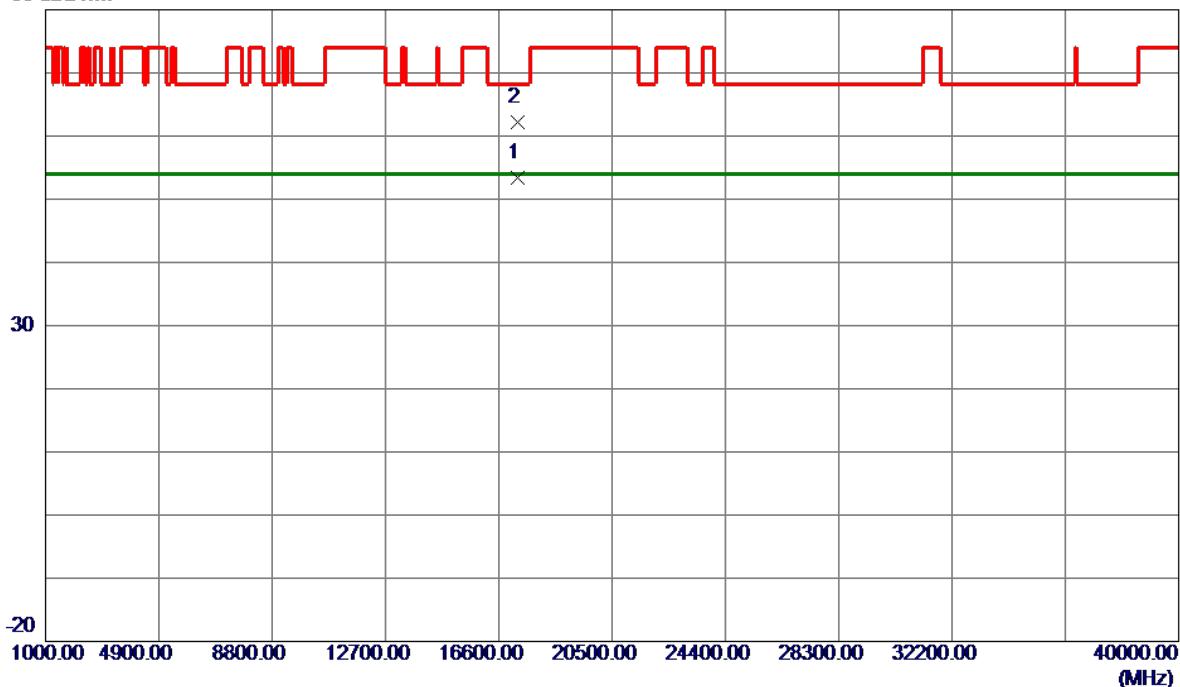
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	52.97	6.79	59.76	109.40	-49.64	Peak	
2	5725.0000	58.91	6.80	65.71	122.20	-56.49	Peak	
3 *	5744.1000	74.83	6.81	81.64	122.20	-40.56	Peak	No Limit

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5755 MHz	Polarization	Vertical
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80 dBuV/m



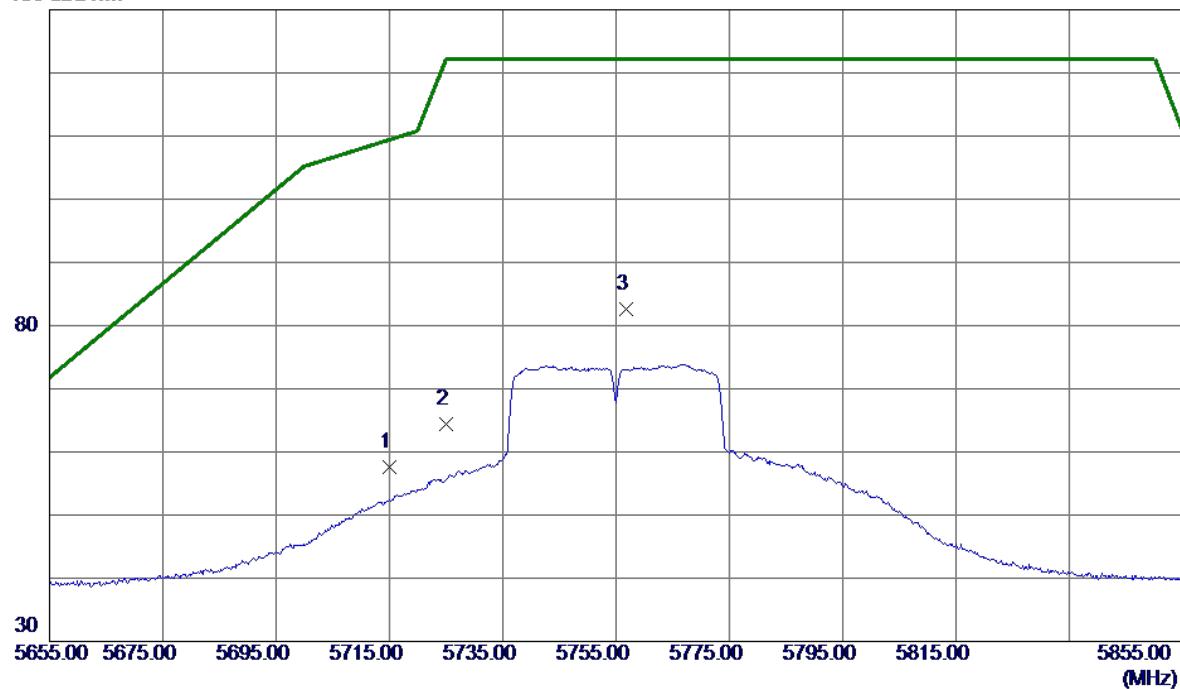
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1 *	17260.2000	32.85	20.57	53.42	54.00	-0.58	AVG	
2	17261.6500	41.62	20.58	62.20	68.20	-6.00	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5755 MHz	Polarization	Horizontal
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130 dBuV/m

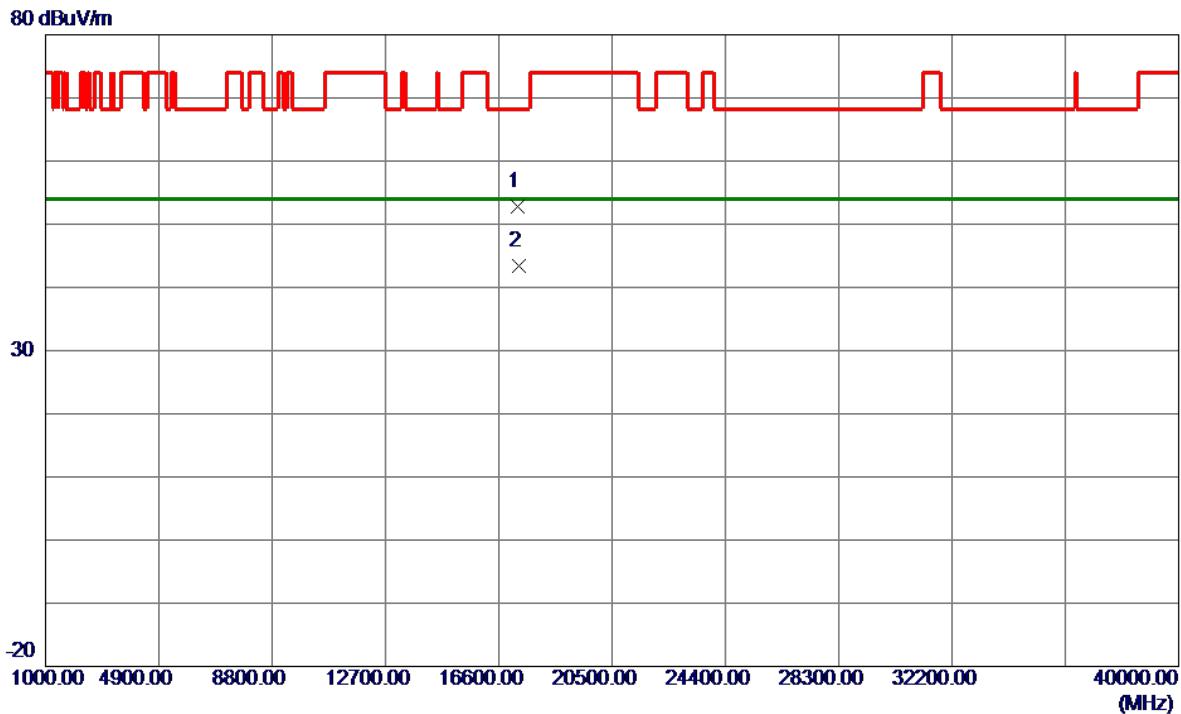


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	50.80	6.79	57.59	109.40	-51.81	Peak	
2	5725.0000	57.65	6.80	64.45	122.20	-57.75	Peak	
3 *	5756.7000	75.85	6.82	82.67	122.20	-39.53	Peak	No Limit

## REMARKS:

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

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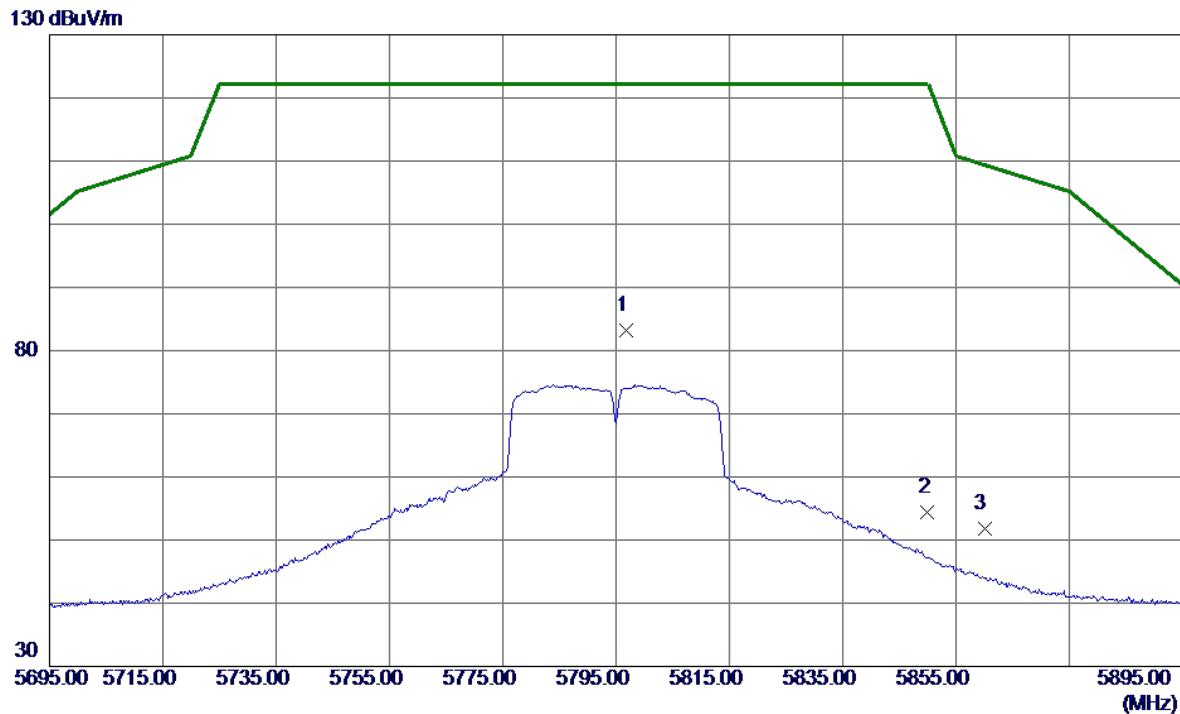


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	17269.6500	32.25	20.61	52.86	68.20	-15.34	Peak	
2 *	17272.2500	22.84	20.62	43.46	54.00	-10.54	AVG	

**REMARKS:**

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

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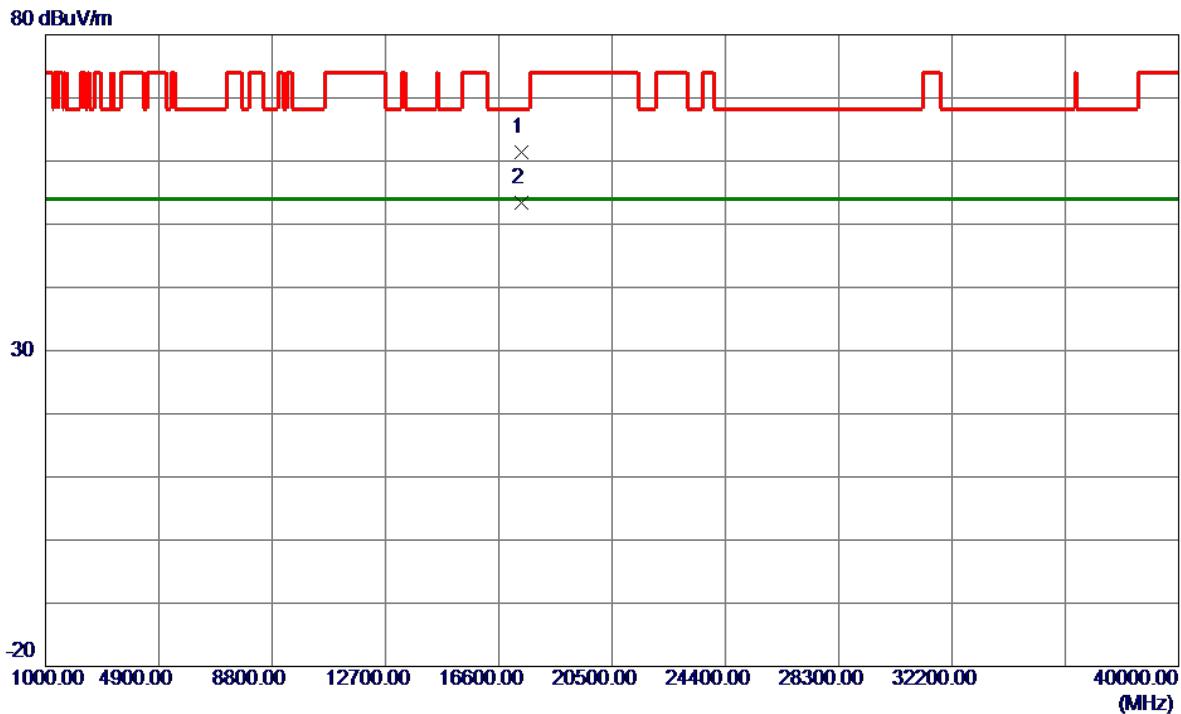


No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment	dBuV/m	dB		
1 *	5796.7000	76.36	6.84	83.20	122.20	-39.00	Peak	No Limit
2	5850.0000	47.47	6.87	54.34	122.20	-67.86	Peak	
3	5860.0000	44.86	6.88	51.74	109.40	-57.66	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5795 MHz	Polarization	Vertical
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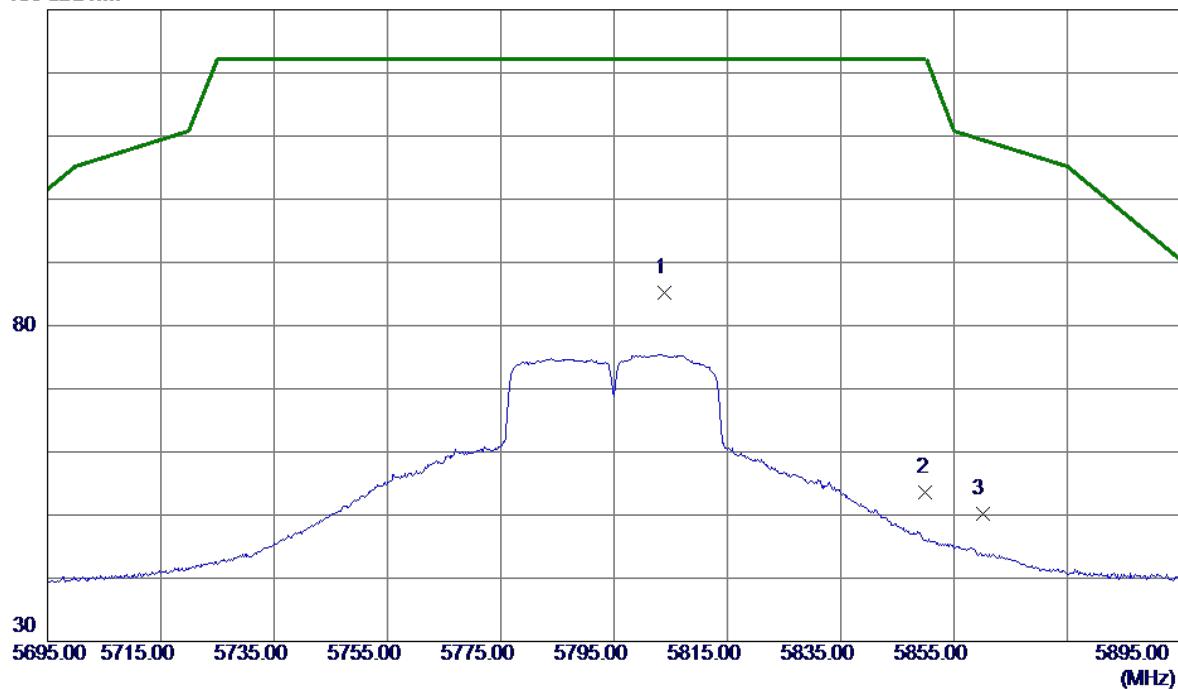
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1	17373.0500	40.38	21.01	61.39	68.20	-6.81	Peak	
2 *	17386.1000	32.34	21.06	53.40	54.00	-0.60	AVG	

**REMARKS:**

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5795 MHz	Polarization	Horizontal
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130 dBuV/m



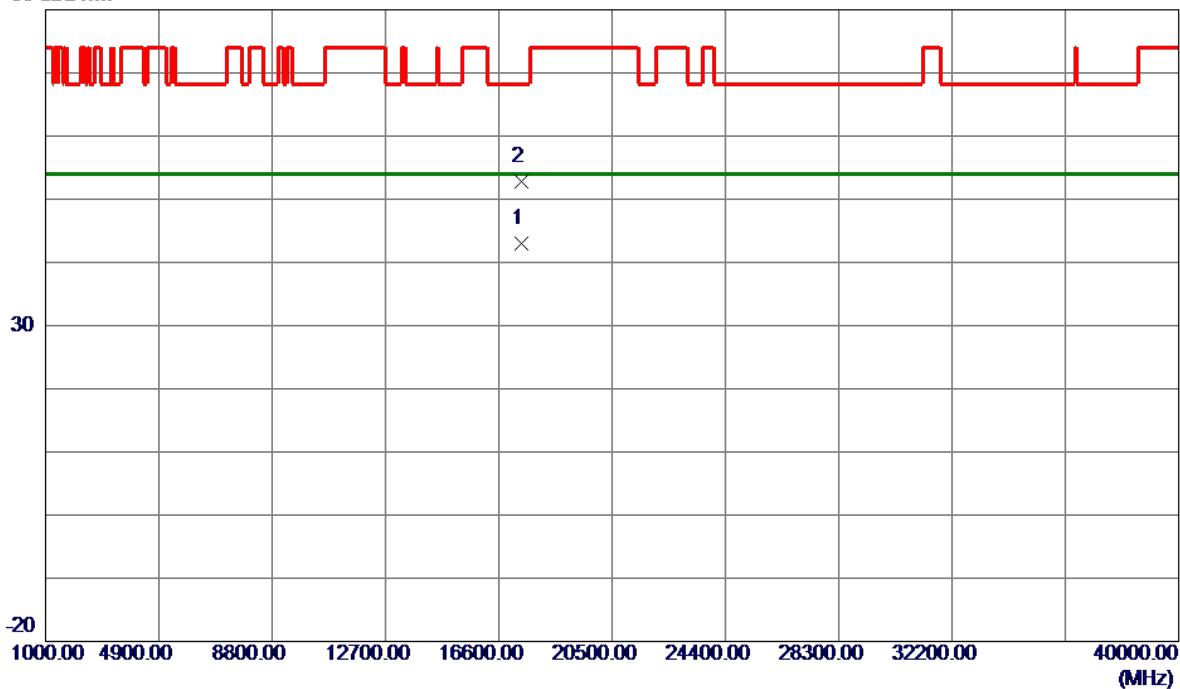
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment	dBuV/m	dB		
1 *	5803.9000	78.29	6.84	85.13	122.20	-37.07	Peak	No Limit
2	5850.0000	46.73	6.87	53.60	122.20	-68.60	Peak	
3	5860.0000	43.33	6.88	50.21	109.40	-59.19	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5795 MHz	Polarization	Horizontal
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80 dBuV/m



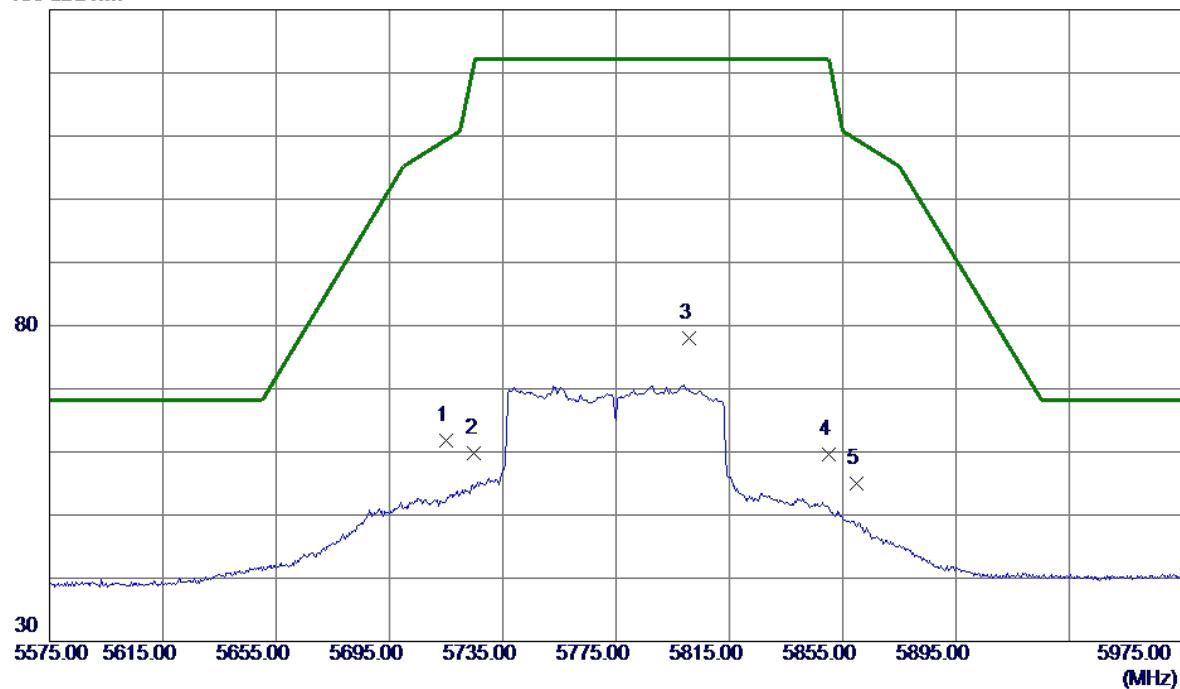
No.	Freq.	Reading	Correct	Measure	Limit	Margin	Detector	Comment
		Level	Factor	ment				
1 *	17369.2000	21.95	21.00	42.95	54.00	-11.05	AVG	
2	17372.8000	31.79	21.01	52.80	68.20	-15.40	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT80) Mode 5775 MHz	Polarization	Vertical
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130 dBuV/m

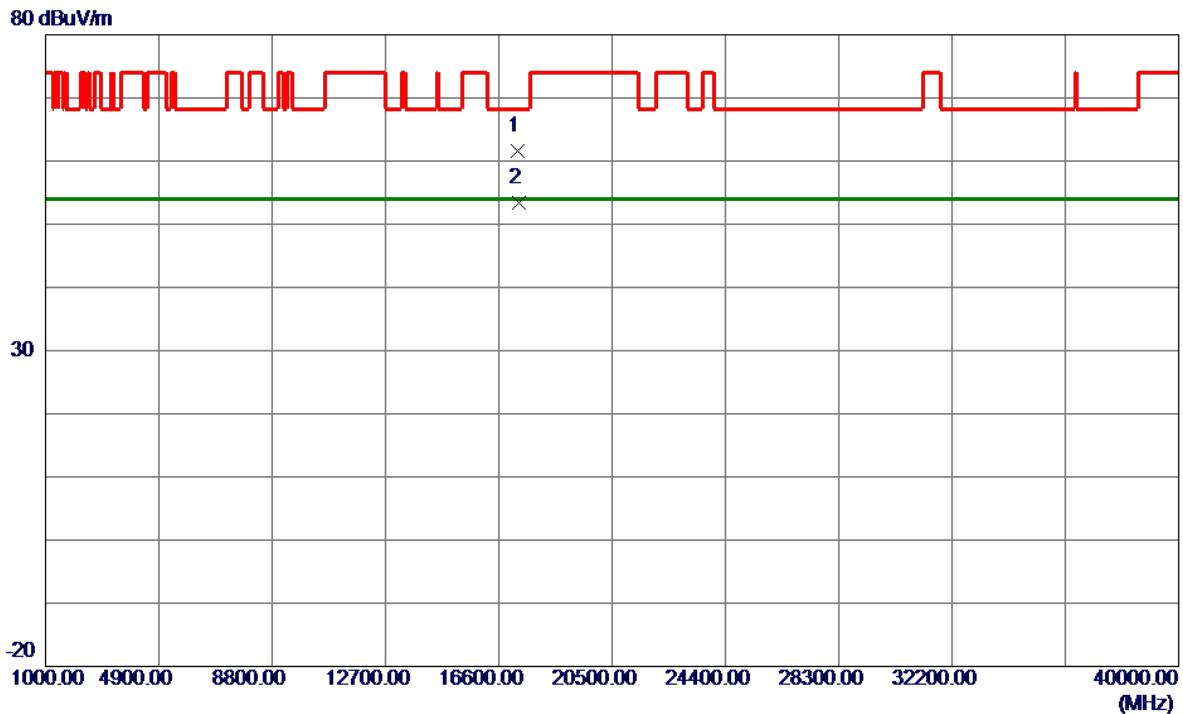


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	54.93	6.79	61.72	109.40	-47.68	Peak	
2	5725.0000	52.96	6.80	59.76	122.20	-62.44	Peak	
3 *	5800.6000	71.13	6.84	77.97	122.20	-44.23	Peak	No Limit
4	5850.0000	52.78	6.87	59.65	122.20	-62.55	Peak	
5	5860.0000	48.19	6.88	55.07	109.40	-54.33	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT80) Mode 5775 MHz	Polarization	Vertical
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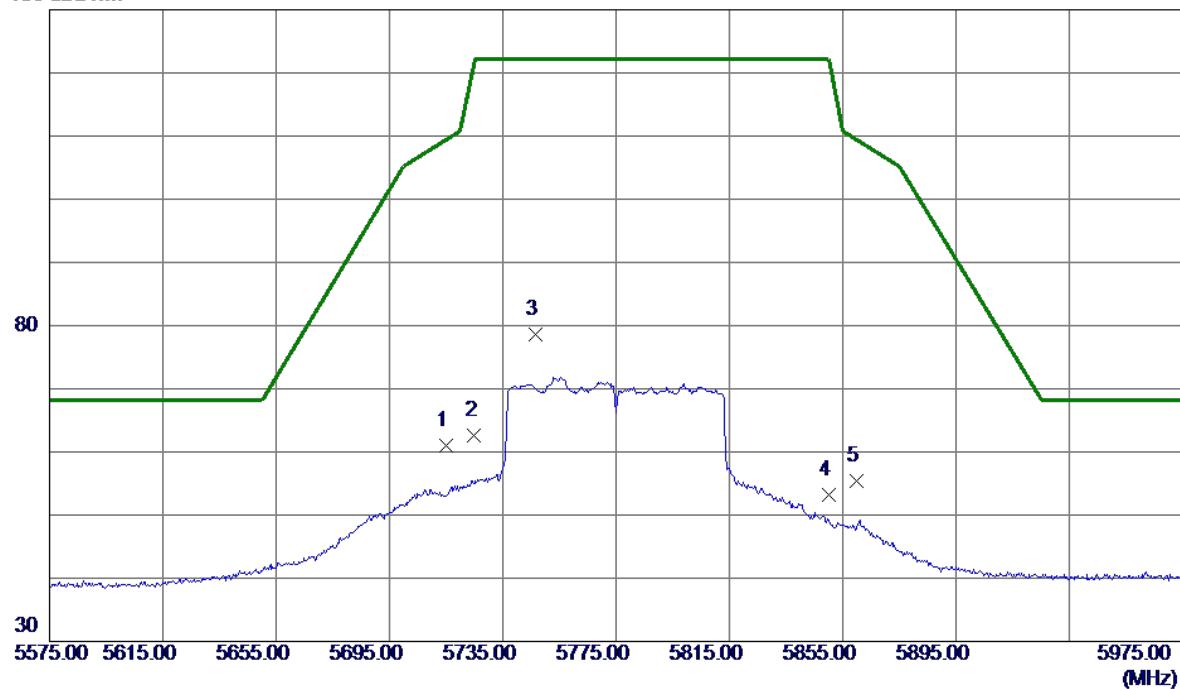
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	17265.0000	40.96	20.59	61.55	68.20	-6.65	Peak	
2 *	17293.1000	32.61	20.70	53.31	54.00	-0.69	AVG	

**REMARKS:**

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

Test Mode	UNII-3_TX AC(VHT80) Mode 5775 MHz	Polarization	Horizontal
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130 dBuV/m



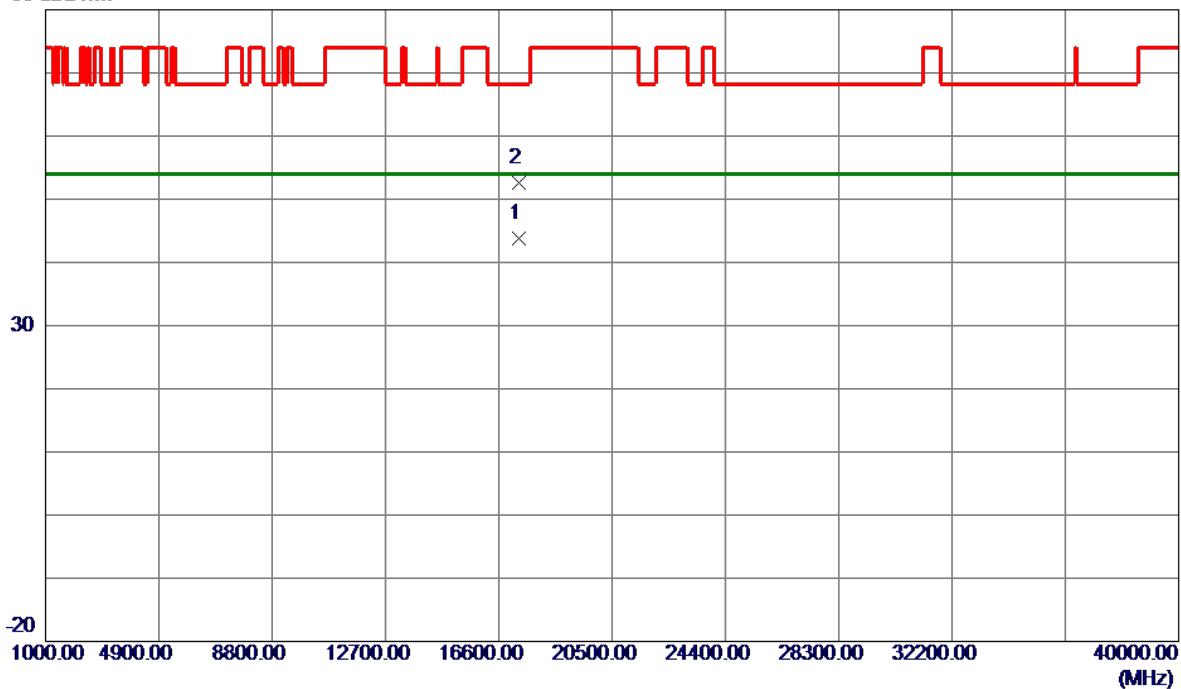
No.	Freq. MHz	Reading Level	Correct Factor	Measure ment	Limit	Margin	Detector	Comment
		dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	5715.0000	54.18	6.79	60.97	109.40	-48.43	Peak	
2	5725.0000	55.75	6.80	62.55	122.20	-59.65	Peak	
3 *	5746.6000	71.73	6.81	78.54	122.20	-43.66	Peak	No Limit
4	5850.0000	46.29	6.87	53.16	122.20	-69.04	Peak	
5	5860.0000	48.54	6.88	55.42	109.40	-53.98	Peak	

## REMARKS:

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

Test Mode	UNII-3_TX AC(VHT80) Mode 5775 MHz	Polarization	Horizontal
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80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector
1 *	17293.7000	23.05	20.70	43.75	54.00	-10.25	AVG
2	17298.0000	31.96	20.72	52.68	68.20	-15.52	Peak

## REMARKS:

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

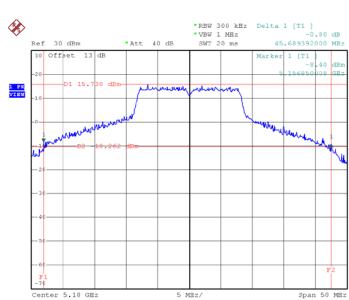


## **APPENDIX E - BANDWIDTH**

Test Mode UNII-1\_TX A Mode

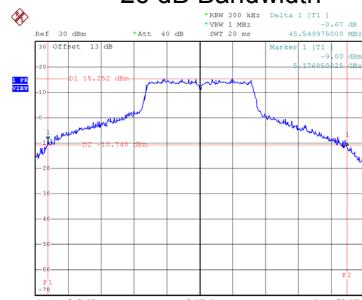
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	45.689	31.200
40	5200	45.550	30.700
48	5240	34.700	19.300

CH36



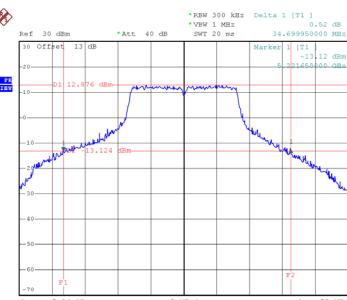
Date: 27.JUL.2021 09:28:16

CH40  
26 dB Bandwidth



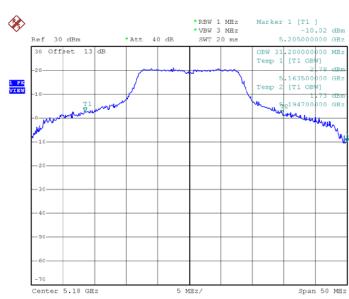
Date: 27.JUL.2021 09:29:12

CH48

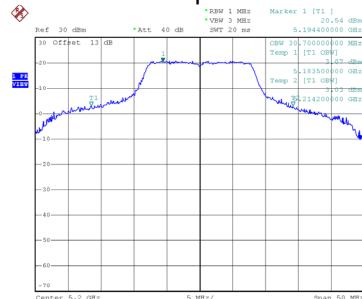


Date: 27.JUL.2021 09:32:05

99 % Occupied Bandwidth



Date: 27.JUL.2021 09:28:02



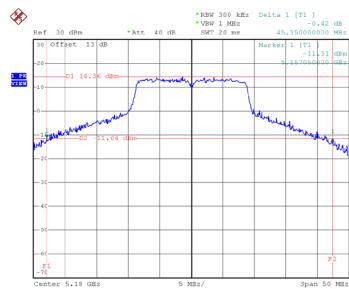
Date: 27.JUL.2021 09:28:55



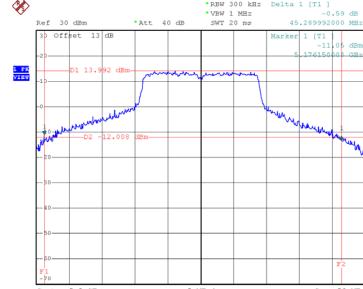
Date: 27.JUL.2021 09:31:37

Test Mode	UNII-1_TX N(HT20) Mode
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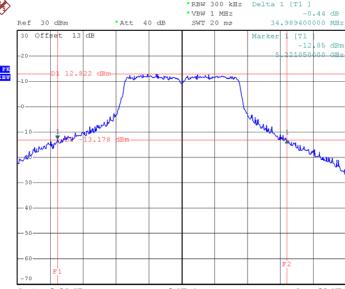
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	45.350	27.100
40	5200	45.290	26.500
48	5240	34.989	19.900

**CH36**


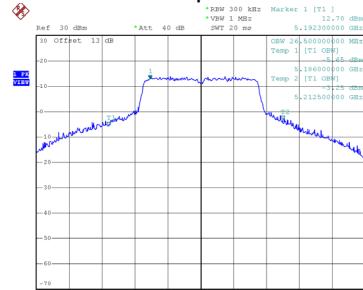
Date: 27.JUL.2021 09:41:13

**CH40**  
**26 dB Bandwidth**


Date: 27.JUL.2021 09:42:02

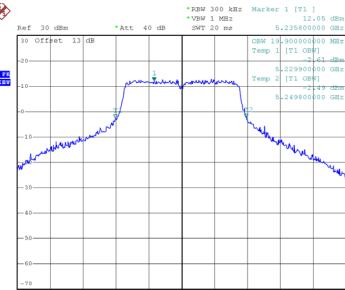
**CH48**


Date: 27.JUL.2021 09:43:59

**99 % Occupied Bandwidth**


Date: 27.JUL.2021 09:40:56

Date: 27.JUL.2021 09:41:44



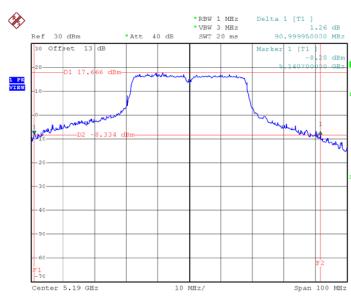
Date: 27.JUL.2021 09:43:28

Test Mode	UNII-1_TX N(HT40) Mode
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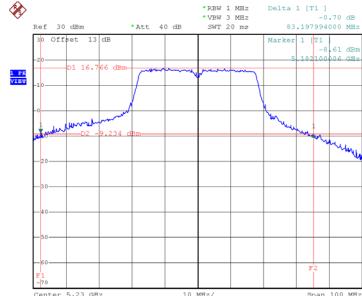
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
38	5190	91.000	49.200
46	5230	83.198	43.800

CH38

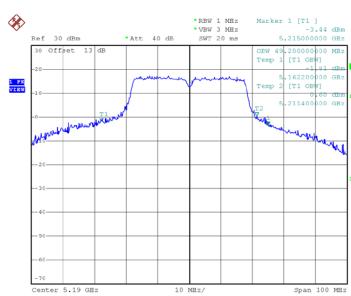
**CH46**  
26 dB Bandwidth



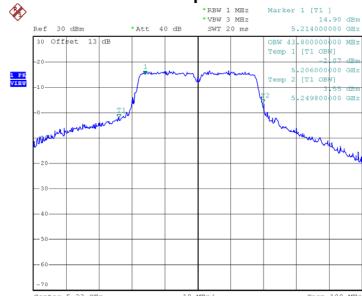
Date: 27.JUL.2021 10:51:14



Date: 27.JUL.2021 10:53:49

**99 % Occupied Bandwidth**

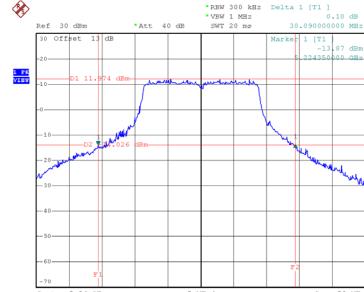
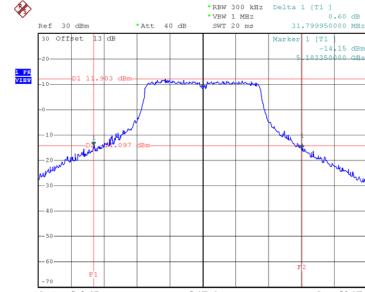
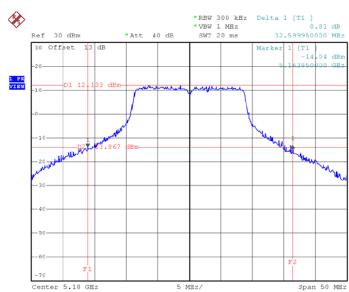
Date: 27.JUL.2021 10:50:19



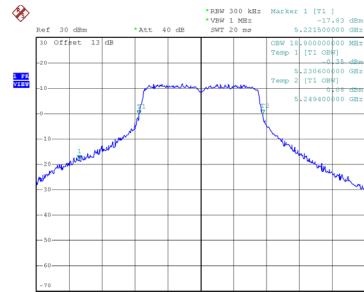
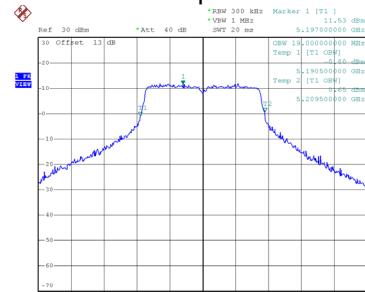
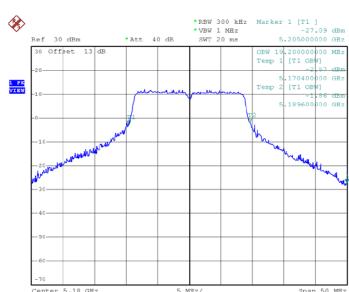
Date: 27.JUL.2021 10:52:28

Test Mode UNII-1\_TX AC(VHT20) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	32.600	19.200
40	5200	31.800	19.000
48	5240	30.090	18.800



Date: 27.JUL.2021 11:00:44



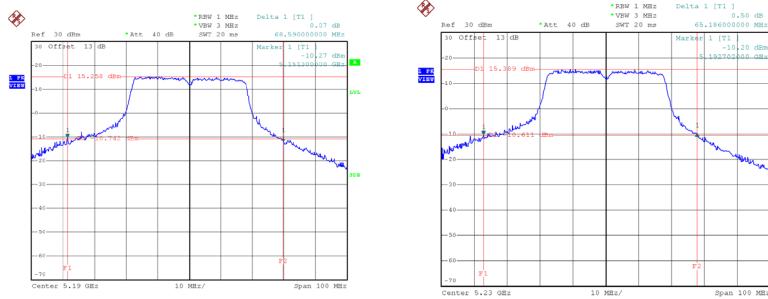
Date: 27.JUL.2021 11:00:07

Test Mode	UNII-1_TX AC(VHT40) Mode
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Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
38	5190	68.590	39.000
46	5230	65.186	38.600

CH38

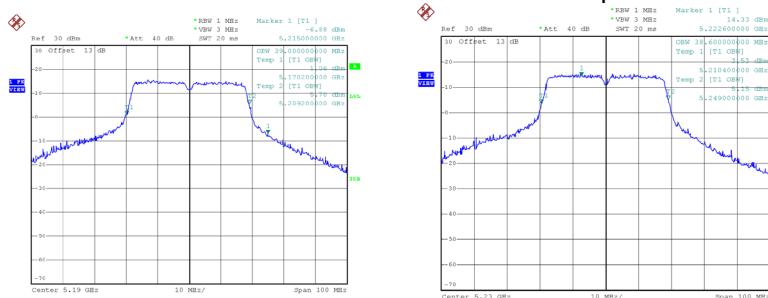
### CH46 26 dB Bandwidth



Date: 27.JUL.2021 11:25:32

Date: 27.JUL.2021 11:27:08

### 99 % Occupied Bandwidth

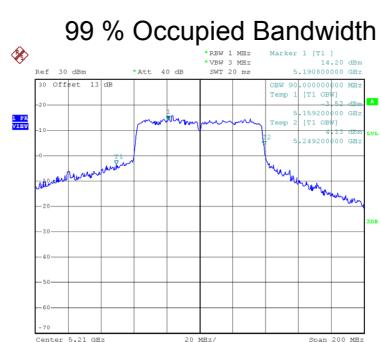
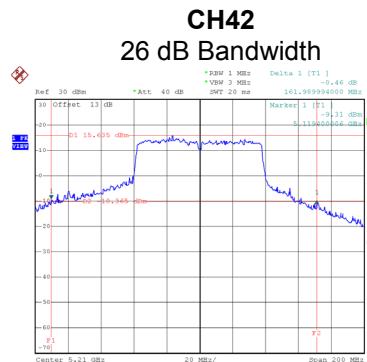


Date: 27.JUL.2021 11:23:44

Date: 27.JUL.2021 11:26:11

Test Mode	UNII-1_TX AC(VHT80) Mode
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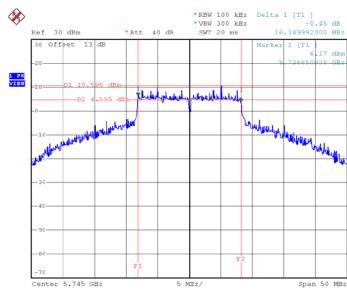
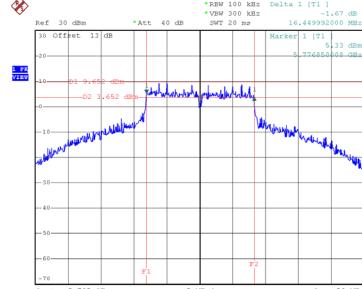
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
42	5210	161.990	90.000



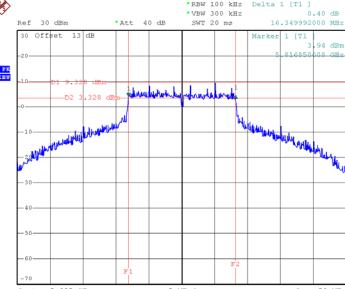
Test Mode UNII-3\_TX A Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
149	5745	16.350	34.650	0.5	Complies
157	5785	16.450	34.320	0.5	Complies
165	5825	16.350	32.780	0.5	Complies

CH149

CH157  
6 dB Bandwidth

CH165



99 % Occupied Bandwidth

