

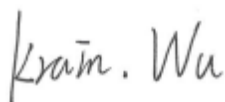
FCC Radio Test Report

FCC ID: KA2IRX1560A1

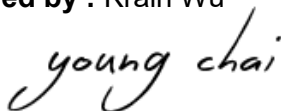
This report concerns: Original Grant

Project No. : 1910H003
Equipment : AX1500 Wi-Fi 6 Router
Brand Name : D-Link Corporation
Test Model : DIR-X1560
Series Model : N/A
Applicant : D-Link Corporation
Address : 17595 Mt. Herrmann Fountain Valley, CA92708 USA
Manufacturer : D-Link Corporation
Address : 17595 Mt. Herrmann Fountain Valley, CA92708 USA
Date of Receipt : Oct. 10, 2019
Date of Test : Oct. 10, 2019~Nov. 10, 2019
Issued Date : Nov. 19, 2019
Report Version : R00
Test Sample : Engineering Sample No.: SH201910112
Standard(s) : FCC Part15, Subpart E(15.407)
ANSI C63.10-2013
FCC KDB 789033 D02 General UNII Test Procedures New Rules
v02r01
FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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



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Declaration

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

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

Limitation

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

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Nov. 19, 2019

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E(15.407)				
Standard(s) Section	Test Item	Test Result	Judgement	Remark
15.207 15.407(b)	AC Power Line Conducted Emissions	APPENDIX A	PASS	-----
15.407(b) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	-----
15.407(a) 15.407(e)	Spectrum Bandwidth	APPENDIX E	PASS	-----
15.407(a)	Maximum Output Power	APPENDIX F	PASS	-----
15.407(a)	Power Spectral Density	APPENDIX G	PASS	-----
15.407(g)	Frequency Stability	APPENDIX H	PASS	-----
15.203	Antenna Requirements	-----	PASS	-----
15.407(c)	Automatically Discontinue Transmission	-----	PASS	NOTE (2)

Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) 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.
- (3) For UNII-1 this device was functioned as a
☒ Access point device ☐ Client device

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China

BTL's Test Firm Registration Number for FCC: 476765

BTL's Designation Number for FCC: CN1241

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)
SH-C01	CISPR	150 kHz ~ 30 MHz	± 2.26

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
SH-CB01	CISPR	9 KHz~30 MHz	V	3.79
		9 KHz~30 MHz	H	3.57
		30 MHz~200 MHz	V	4.04
		30 MHz~200 MHz	H	3.76
		200 MHz~1,000 MHz	V	4.24
		200 MHz~1,000 MHz	H	3.84
		1 GHz~18 GHz	V	4.46
		1 GHz~18 GHz	H	4.40
		18 GHz~40 GHz	V	3.95
		18 GHz~40 GHz	H	3.95

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	22°C	53%	AC 120V	Forest Li
Radiated Emissions-9K-30MHz	22°C	55%	AC 120V	Forest Li
Radiated Emissions-30 MHz to 1GHz	22°C	55%	AC 120V	Forest Li
Radiated Emissions-Above 1000 MHz	22°C	55%	AC 120V	Forest Li
Spectrum Bandwidth	25°C	48%	AC 120V	Forest Li
Maximum Output Power	25°C	48%	AC 120V	Forest Li
Power Spectral Density	25°C	48%	AC 120V	Forest Li
Frequency Stability	Normal & Extreme	48%	Normal & Extreme	Forest Li

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AX1500 Wi-Fi 6 Router
Brand Name	D-Link Corporation
Test Model	DIR-X1560
Series Model	N/A
Model Difference(s)	N/A
Power Source	DC Voltage supplied from AC/DC adapter: Brand/Model: Gongjin /S18B22-120A150-CJ
Power Rating	I/P: 100-240V ~ 50/60Hz 0.7A O/P: 12V --- 1.5A
Operation Frequency	UNII-1: 5150 MHz~5250 MHz UNII-3: 5725 MHz~5850 MHz
Modulation Type	OFDM,OFDMA
Bit Rate of Transmitter	Up to 1201Mbps

Maximum Conducted Output Power for UNII-1 (2TX) Non-Beamforming	IEEE 802.11ax (HE20): 25.16 dBm (0.3281 W) IEEE 802.11ax (HE40): 26.59 dBm (0.4560 W) IEEE 802.11ax (HE80): 22.86 dBm (0.1932 W)
Maximum Conducted Output Power for UNII-3 (2TX) Non-Beamforming	IEEE 802.11ax (HE20): 26.28 dBm (0.4246 W) IEEE 802.11ax (HE40): 28.41 dBm (0.6934 W) IEEE 802.11ax (HE80): 25.70 dBm (0.3715 W)
Maximum Conducted Output Power for UNII-1 (2TX) Beamforming	IEEE 802.11ax (HE20): 24.72 dBm (0.2965 W) IEEE 802.11ax (HE40): 26.33 dBm (0.4295 W) IEEE 802.11ax (HE80): 22.47 dBm (0.1766 W)
Maximum Conducted Output Power for UNII-3 (2TX) Beamforming	IEEE 802.11ax (HE20): 25.79 dBm (0.3793 W) IEEE 802.11ax (HE40): 28.41 dBm (0.6934 W) IEEE 802.11ax (HE80): 25.37dBm (0.3443 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 802.11ax (HE20)		IEEE 802.11ax (HE40)		IEEE 802.11ax (HE80)	
UNII-1		UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

IEEE 802.11ax (HE20)		IEEE 802.11ax (HE40)		IEEE 802.11ax (HE80)	
UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

3. RU configuration

Operating Mode	Resource Unit	52 Tone(4M)
IEEE 802.11ax (HE20)	Specific Resource Unit	37
		38
		39
		40
	Resource Unit	106 Tone(8M)
	Specific Resource Unit	53
		54
	Resource Unit	242 Tone(20M)
	Specific Resource Unit	61
Operating Mode	Resource Unit	106 Tone(8M)
IEEE 802.11ax (HE40)	Specific Resource Unit	53
		54
		55
		56
	Resource Unit	242 Tone(20M)
	Specific Resource Unit	61
		62
	Resource Unit	484 Tone(40M)
	Specific Resource Unit	65
Operating Mode	Resource Unit	242 Tone(20M)
IEEE 802.11ax (HE80)	Specific Resource Unit	61
		62
		63
		64
	Resource Unit	484 Tone(40M)
	Specific Resource Unit	65
		66
	Resource Unit	996 Tone(80M)
	Specific Resource Unit	67

4. Antenna Specification:

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

Note:

- (1) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R), all transmit signals are completely uncorrelated, then, Direction gain = G_{ANT} , that is Directional gain for UNII-1=2; for UNII-3=2.
- (2) The EUT incorporates beamforming Function, so Directional gain = $G_{ANT} + 10 \log(N_{ANT})$ dBi, that is Directional gain for UNII-1=2+10 log(2)dBi =5 dBi; for UNII-3=2+10 log(2)dBi =5 dBi.

5. Table for Antenna Configuration:

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

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 AX (HE20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX AX (HE40) Mode / CH38, CH46 (UNII-1)
Mode 3	TX AX (HE80) Mode / CH42 (UNII-1)
Mode 4	TX AX (HE20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 5	TX AX (HE40) Mode / CH151,CH159 (UNII-3)
Mode 6	TX AX (HE80) Mode / CH155 (UNII-3)
Mode 7	TX AX (HE40) Mode / CH151 (UNII-3)

Following mode(s) as (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 7	TX AX (HE40) Mode / CH151 (UNII-3)

Radiated emissions test	
Final Test Mode	Description
Mode 1	TX AX (HE20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX AX (HE40) Mode / CH38, CH46 (UNII-1)
Mode 3	TX AX (HE80) Mode / CH42 (UNII-1)
Mode 4	TX AX (HE20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 5	TX AX (HE40) Mode / CH151,CH159 (UNII-3)
Mode 6	TX AX (HE80) Mode / CH155 (UNII-3)

Conducted test	
Test Mode	Description
Mode 1	TX AX (HE20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX AX (HE40) Mode / CH38, CH46 (UNII-1)
Mode 3	TX AX (HE80) Mode / CH42 (UNII-1)
Mode 4	TX AX (HE20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 5	TX AX (HE40) Mode / CH151,CH159 (UNII-3)
Mode 6	TX AX (HE80) Mode / CH155 (UNII-3)

Note :

- (1) For radiated emission below 1 GHz test, the IEEE 802.11AX 40 is found to be the worst case and recorded.
- (2) For radiated emission above 1 GHz test, 1GHz~26.5GHz and 26.5GHz~40GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (3) The measurements for RF Output Power were tested during Non-Beamforming and Beamforming, the worst case was Non-Beamforming, only worst case was documented for other test items.

2.3 PARAMETERS OF TEST SOFTWARE

Non-Beamforming

UNII-1 - 2TX				
Test Software	accessMTool			
Operating Mode	Test Frequency (MHz)	Resource Unit	Specific Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE20)	5180	52 Tone	37	80
			38	80
			40	80
		106 Tone	53	88
			54	88
		242 Tone	61	84
	5200	52 Tone	37	80
			38	80
			40	80
		106 Tone	53	88
			54	88
		242 Tone	61	94
	5240	52 Tone	37	80
			38	80
			40	80
		106 Tone	53	88
			54	88
		242 Tone	61	96
Operating Mode	Test Frequency (MHz)	Resource Unit	Specific Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE40)	5190	106 Tone	53	86
			54	86
			56	80
		242 Tone	61	80
			62	80
		484 Tone	65	76
	5230	106 Tone	53	90
			54	90
			56	97
		242 Tone	61	96
			62	95
		484 Tone	65	90

Operating Mode	Test Frequency (MHz)	Resource Unit	Specific Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE80)	5210	242 Tone	61	78
			63	78
			64	80
		484 Tone	65	76
			66	74
		996 Tone	67	76

UNII-3 - 2TX				
Test Software	accessMTool			
Operating Mode	Test Frequency (MHz)	Resource Unit	Specific Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE20)	5745	52 Tone	37	86
			38	86
			40	86
		106 Tone	53	90
			54	90
		242 Tone	61	98
	5785	52 Tone	37	98
			38	98
			40	98
		106 Tone	53	98
			54	98
		242 Tone	61	100
	5825	52 Tone	37	92
			38	92
			40	92
		106 Tone	53	92
			54	92
		242 Tone	61	105
Operating Mode	Test Frequency (MHz)	Resource Unit	Specific Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE40)	5755	106 Tone	53	92
			54	92
			56	92
		242 Tone	61	92
			62	92
		484 Tone	65	108
	5795	106 Tone	53	92
			54	92
			56	92
		242 Tone	61	92
			62	92
		484 Tone	65	108

Operating Mode	Test Frequency (MHz)	Resource Unit	Specific Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE80)	5775	242 Tone	61	92
			63	92
			64	92
		484 Tone	65	92
			66	92
		996 Tone	67	100

Beamforming

UNII-1 - 2TX

Test Software	accessMTool			
Operating Mode	Test Frequency (MHz)	Resource Unit	Specific Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE20)	5180	52 Tone	37	80
			38	80
			40	80
		106 Tone	53	88
			54	88
			61	84
	5200	52 Tone	37	80
			38	80
			40	80
		106 Tone	53	88
			54	88
			61	94
	5240	52 Tone	37	80
			38	80
			40	80
		106 Tone	53	88
			54	88
			61	96
Operating Mode	Test Frequency (MHz)	Resource Unit	Specific Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE40)	5190	106 Tone	53	86
			54	86
			56	80
		242 Tone	61	80
			62	80
			65	76
	5230	106 Tone	53	90
			54	90
			56	97
		242 Tone	61	96
			62	95
			65	90

Operating Mode	Test Frequency (MHz)	Resource Unit	Specific Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE80)	5210	242 Tone	61	78
			63	78
			64	80
		484 Tone	65	76
			66	74
		996 Tone	67	76

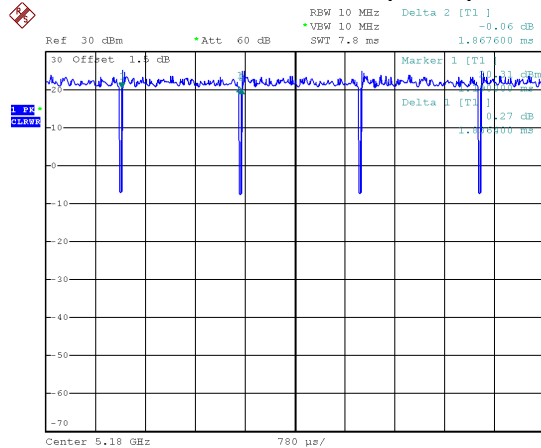
UNII-3 - 2TX				
Test Software	accessMTool			
Operating Mode	Test Frequency (MHz)	Resource Unit	Specific Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE20)	5745	52 Tone	37	86
			38	86
			40	86
		106 Tone	53	90
			54	90
		242 Tone	61	98
	5785	52 Tone	37	98
			38	98
			40	98
		106 Tone	53	98
			54	98
		242 Tone	61	100
	5825	52 Tone	37	92
			38	92
			40	92
		106 Tone	53	92
			54	92
		242 Tone	61	105
Operating Mode	Test Frequency (MHz)	Resource Unit	Specific Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE40)	5755	106 Tone	53	92
			54	92
			56	92
		242 Tone	61	92
			62	92
		484 Tone	65	108
	5795	106 Tone	53	92
			54	92
			56	92
		242 Tone	61	92
			62	92
		484 Tone	65	108

Operating Mode	Test Frequency (MHz)	Resource Unit	Specific Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE80)	5775	242 Tone	61	92
			63	92
			64	92
		484 Tone	65	92
			66	92
		996 Tone	67	100

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.

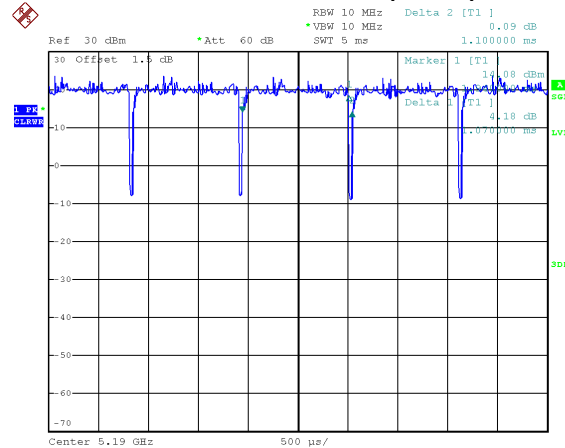
IEEE 802.11ax (HE20)



Date: 28.OCT.2019 17:11:05

Duty cycle = $1.836 \text{ ms} / 1.868 \text{ ms} = 98.29\%$
Duty Factor = 0.00 dB

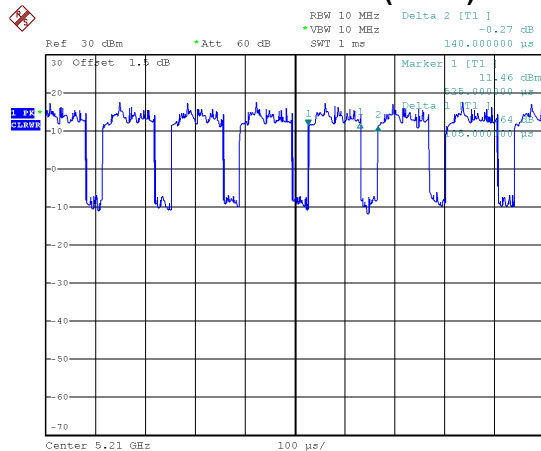
IEEE 802.11ax (HE40)



Date: 28.OCT.2019 17:13:40

Duty cycle = $1.070 \text{ ms} / 1.100 \text{ ms} = 97.27\%$
Duty Factor = $10 * \log(1 / 97.27\%) = 0.12 \text{ dB}$

IEEE 802.11ax (HE80)



Date: 28.OCT.2019 17:20:15

Duty cycle = $0.105 \text{ ms} / 0.140 \text{ ms} = 75.00\%$
Duty Factor = $10 * \log(1 / 75.00\%) = 1.25 \text{ dB}$

NOTE:

For IEEE 802.11ax (HE20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 0.01 kHz (Duty cycle $> 98\%$).

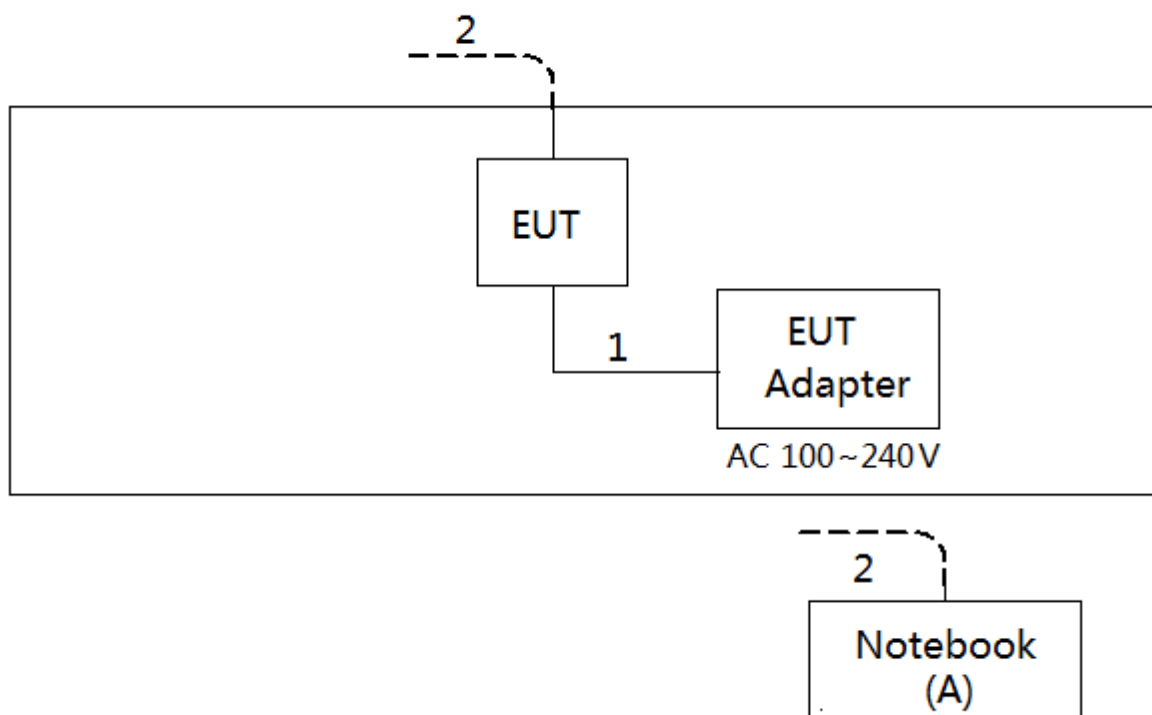
For IEEE 802.11ax (HE40):

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

For IEEE 802.11ax (HE80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 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.
A	Notebook	Lenovo	#P152014	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	N/A	N/A	1.5m
2	RJ45 Cable	N/A	N/A	10m

3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

Frequency (MHz)	Limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 - 46*
0.50 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

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

The following table is the setting of the receiver

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

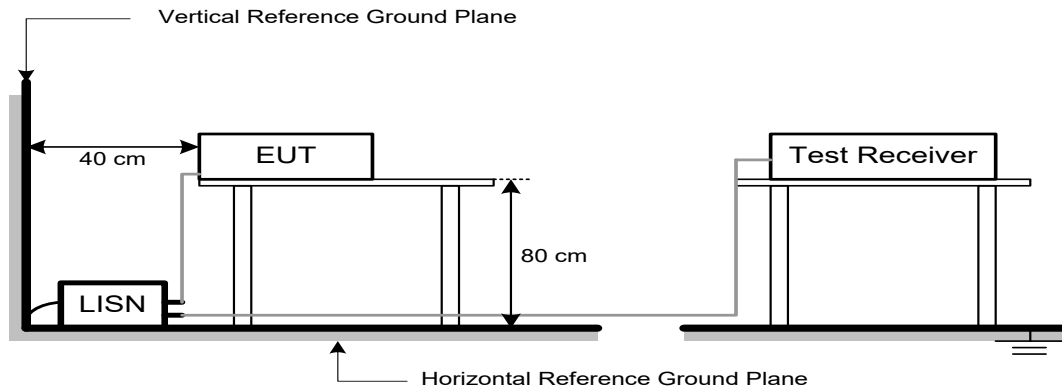
3.2 TEST PROCEDURE

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

3.3 DEVIATION FROM TEST STANDARD

No deviation

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

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

The EUT was programmed to be in continuously transmitting/TX mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS TEST

4.1 LIMIT

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

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

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

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.3
5250-5350	-27	68.3
5470-5725	-27	68.3
5725-5850	-27 NOTE (2)	68.3
	10 NOTE (2)	105.3
	15.6 NOTE (2)	110.9
	27 NOTE (2)	122.3

NOTE:

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

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

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

4.2 TEST PROCEDURE

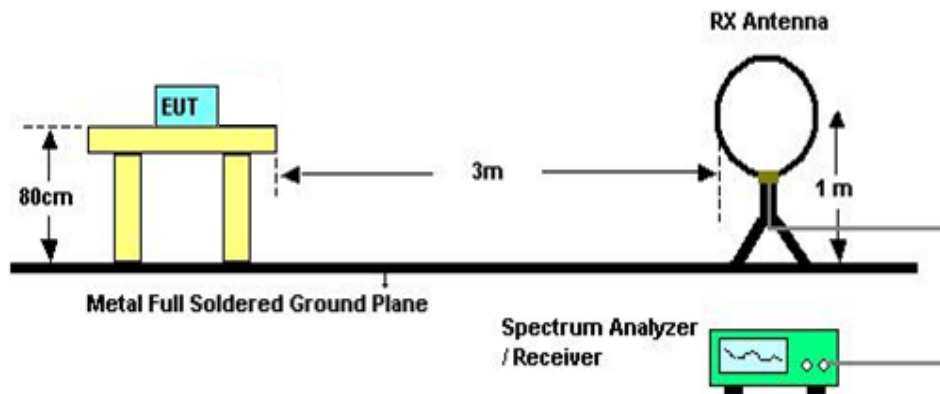
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1 GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.3 DEVIATION FROM TEST STANDARD

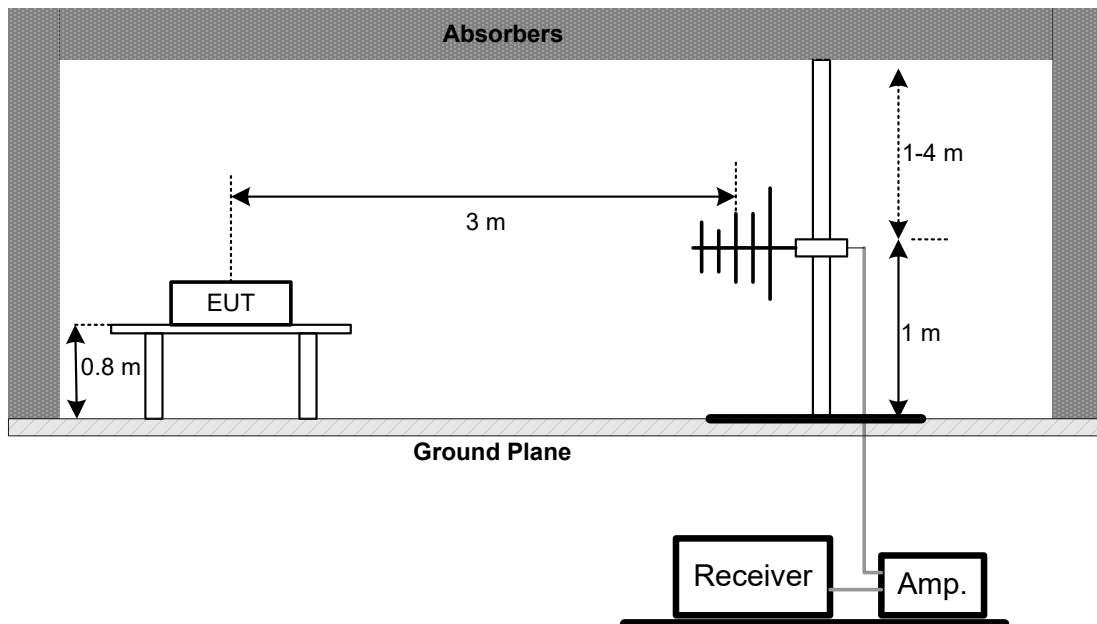
No deviation

4.4 TEST SETUP

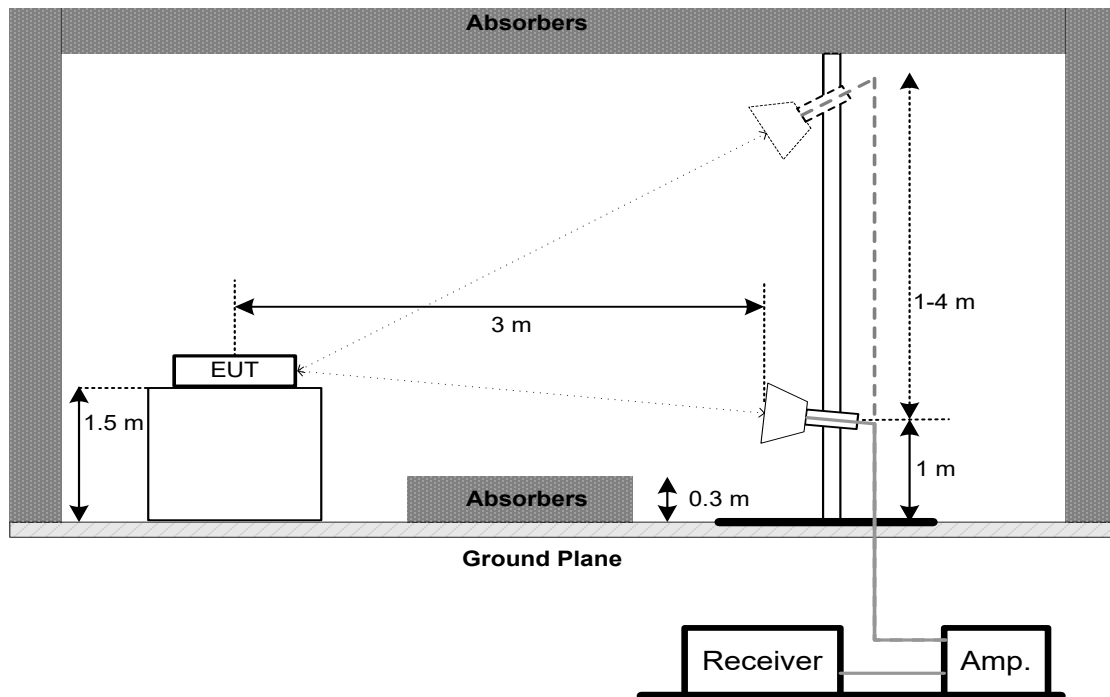
9 kHz to 30 MHz



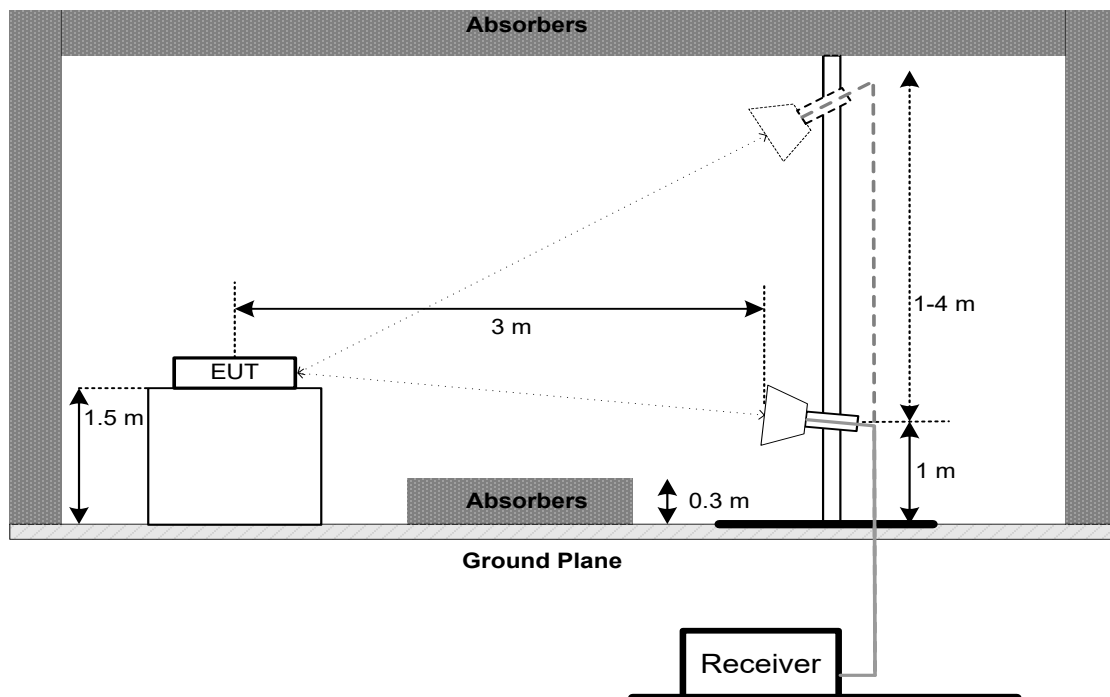
30 MHz to 1 GHz



Above 1 GHz



Above 1 GHz Band edge



4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 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) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- (2) Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.7 TEST RESULTS - 30 MHz TO 1000 MHz

Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHz

Please refer to the APPENDIX D.

Remark:

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

5. BANDWIDTH TEST

5.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a) 15.407(e)	26 dB Bandwidth	-	5150-5250
	26 dB Bandwidth	-	5250-5350
	26 dB Bandwidth	-	5470-5725
	6 dB Bandwidth	Minimum 500 kHz	5725-5850

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. a. Spectrum Setting:

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

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

For UNII-3:

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

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

5.3 TEST PROCEDURE

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER TEST

6.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Conducted Output Power	AP device: 1 Watt (30 dBm) Client device: 250 mW (24 dBm)	5150-5250
		250 mW (24 dBm)	5250-5350
		250 mW (24 dBm)	5470-5725
		1 Watt (30dBm)	5725-5850

Note:

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

6.2 TEST PROCEDURE

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

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. POWER SPECTRAL DENSITY TEST

7.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Power Spectral Density	AP device: 17 dBm/MHz Client device: 11 dBm/MHz	5150-5250
		11 dBm/MHz	5250-5350
		11 dBm/MHz	5470-5725
		30 dBm/500 kHz	5725-5850

7.2 TEST PROCEDURE

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

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

Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 1 MHz and VBW at 3 MHz if the spectrum analyzer does not have 500 kHz RBW.
- The value measured with RBW=1 MHz is to be added with $10\log(500 \text{ kHz}/1 \text{ MHz})$ which is -3 dB. For example, if the measured value is +10dBm using RBW=1 MHz (that is +10 dBm/MHz), then the converted value will be +7dBm/500kHz.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP**7.5 EUT OPERATION CONDITIONS**

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX H.

8. FREQUENCY STABILITY MEASUREMENT

8.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(g)	Frequency Stability	An emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual	5150-5250
			5250-5350
			5470-5725
			5725-5850

8.2 TEST PROCEDURE

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

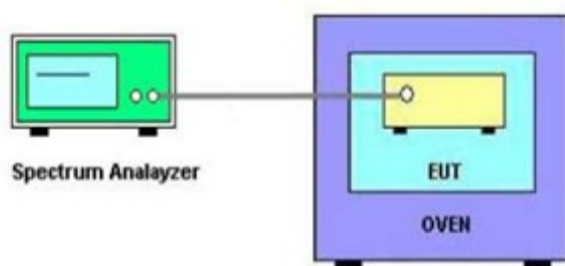
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

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

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX I.

9. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Line Impedance Stabilisation Network	Schwarzbeck	NNLK 8121	8121-822	Mar. 29, 2020
2	TWO-LINE V-NETWORK	R&S	ENV216	101340	Nov. 20, 2019
3	Test Cable	emci	EMCRG400-BM-NM-10000	170628	Apr. 17, 2020
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 29, 2020
5	50Ω Terminator	SHX	TF2-1G-A	17051602	Mar. 29, 2020
6	50Ω coaxial switch	Anritsu	MP59B	6201750902	Mar. 29, 2020
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	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	EMCI	EMCI LPA600	275	Mar. 29, 2020
2	EMI Test Receiver	R&S	ESCI	100082	Mar. 29, 2020
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	719	Mar. 29, 2020
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 29, 2020
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 29, 2020
4	Test Cable	emci	EMC104-SM-SM-7000	170330	Apr. 17, 2020
5	Test Cable	emci	EMC104-SM-SM-1000	170331	Apr. 17, 2020
6	Test Cable	emci	EMC104-SM-NM-3500	170621	Apr. 17, 2020
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	9120D	00206960	Mar. 29, 2020
2	Pre-Amplifier	emci	EMC012645SE	980421	Mar. 29, 2020
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Mar. 29, 2020
4	Test Cable	emci	EMC104-SM-SM-7000	170330	Apr. 17, 2020
5	Test Cable	emci	EMC104-SM-SM-1000	170331	Apr. 17, 2020
6	Test Cable	emci	EMC104-SM-NM-3500	170621	Apr. 17, 2020
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 29, 2020

Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 29, 2020

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	Keysight	8990B	MY51000507	Mar. 29, 2020
2	Pulse Power Sensor	Keysight	N1923A	MY58310003	Mar. 29, 2020

Antenna Conducted Spurious Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 29, 2020

Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 29, 2020

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: UNII-3_TX AX (HE40) Mode 5755 MHz

Line



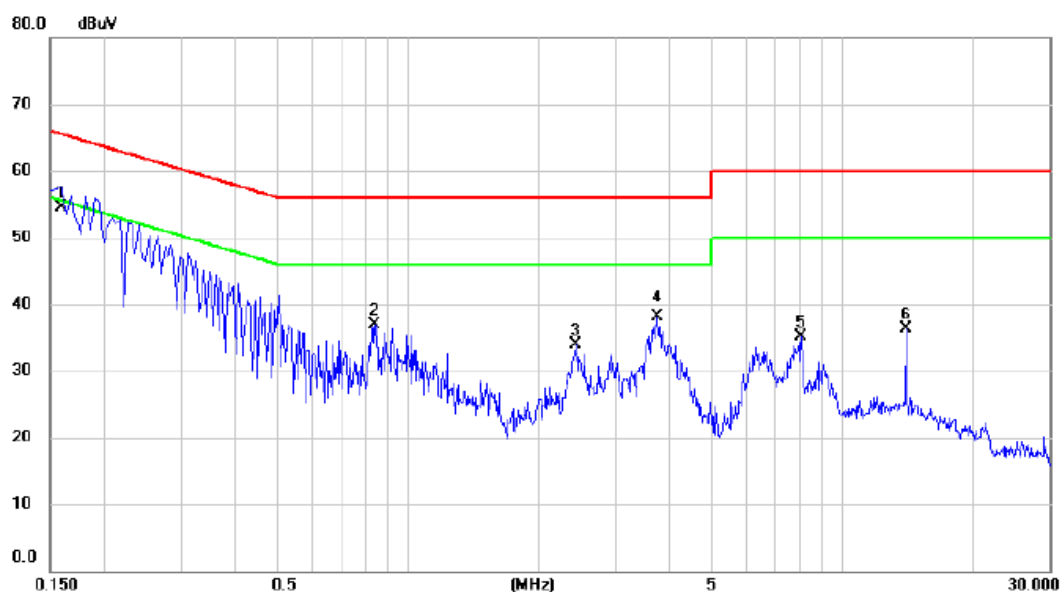
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1545	44.75	9.77	54.52	65.75	-11.23	QP	
2		0.1770	43.26	9.80	53.06	64.63	-11.57	QP	
3		0.8475	29.76	9.82	39.58	56.00	-16.42	peak	
4		3.7410	28.83	10.04	38.87	56.00	-17.13	peak	
5		7.9890	24.76	10.15	34.91	60.00	-25.09	peak	
6		14.0010	28.29	10.09	38.38	60.00	-21.62	peak	

REMARKS:

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

Test Mode: UNII-3_TX AX (HE40) Mode 5755 MHz

Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1590	44.91	9.60	54.51	65.52	-11.01	peak	
2		0.8385	27.10	9.78	36.88	56.00	-19.12	peak	
3		2.4270	24.02	9.98	34.00	56.00	-22.00	peak	
4		3.7410	28.05	10.02	38.07	56.00	-17.93	QP	
5		8.0520	24.88	10.15	35.03	60.00	-24.97	peak	
6		14.0010	26.14	10.11	36.25	60.00	-23.75	peak	

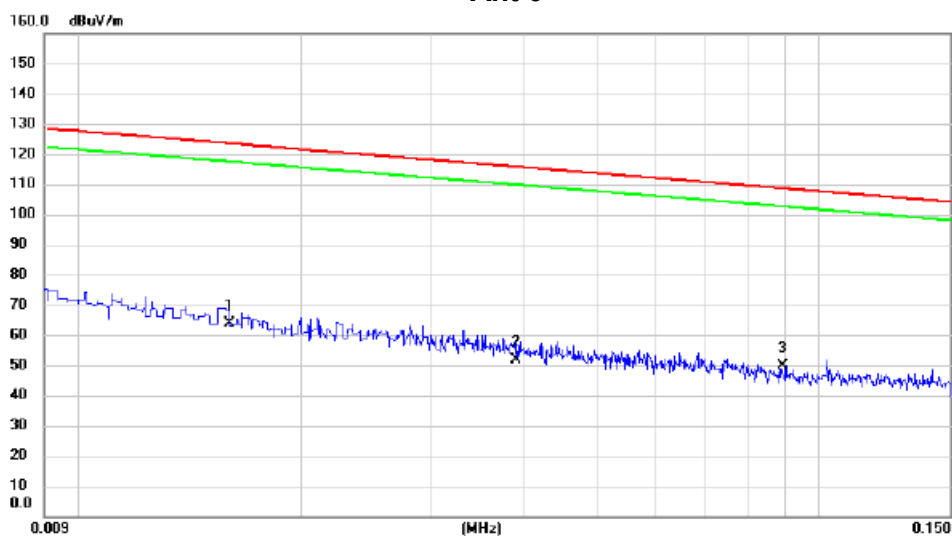
REMARKS:

- (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: UNII-3_TX AX (HE40) Mode 5755 MHz

Ant 0°



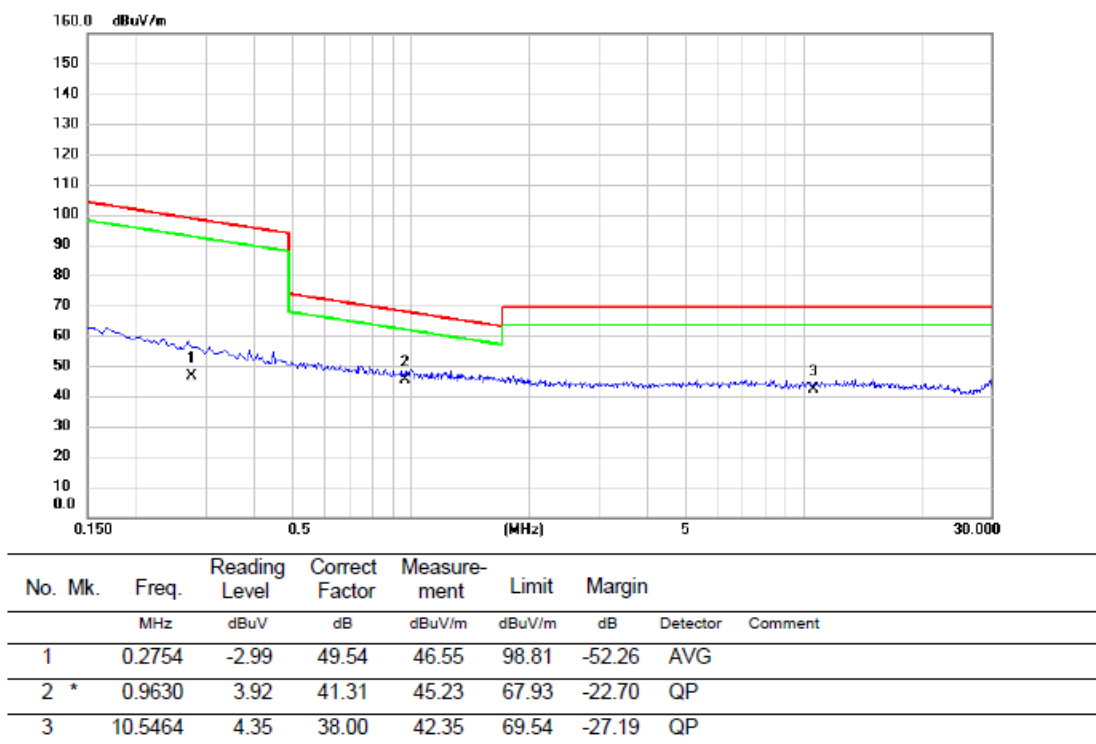
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0160	-11.06	74.74	63.68	123.52	-59.84	AVG	
2		0.0390	-15.25	67.00	51.75	115.78	-64.03	AVG	
3	*	0.0892	-9.65	59.27	49.62	108.60	-58.98	QP	

REMARKS:

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

Test Mode: UNII-3_TX AX (HE40) Mode 5755 MHz

Ant 0°



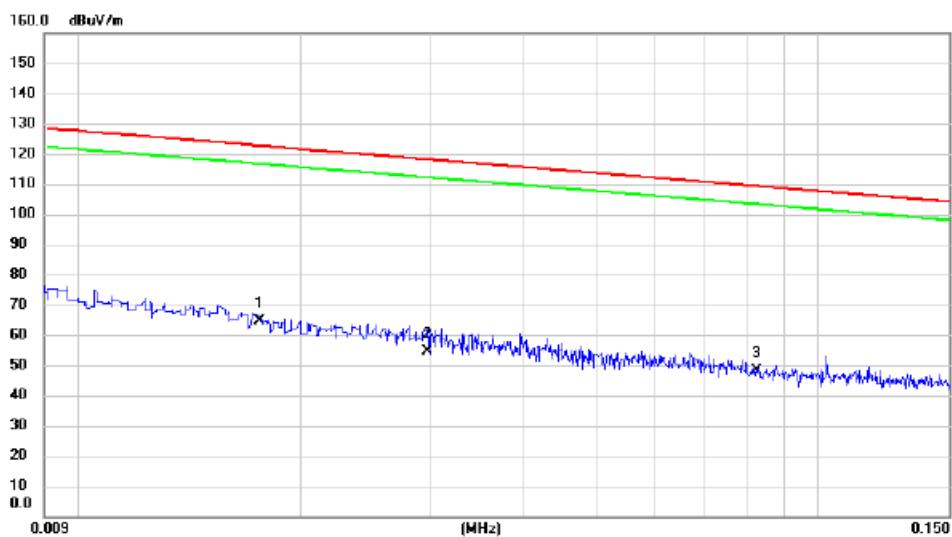
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode: UNII-3_TX AX (HE40) Mode 5755 MHz

Ant 90°



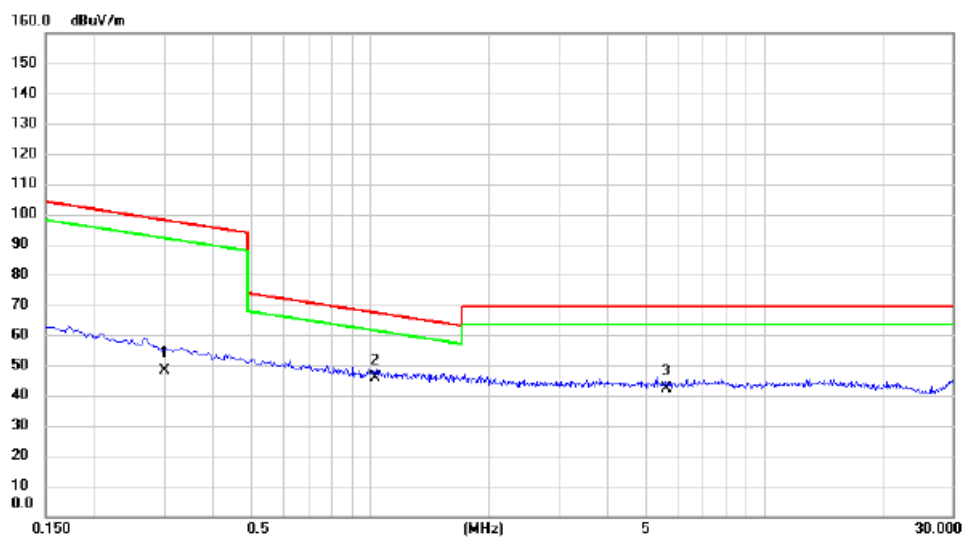
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0176	-9.12	73.76	64.64	122.69	-58.05	AVG	
2		0.0296	-15.00	69.80	54.80	118.18	-63.38	AVG	
3		0.0826	-11.66	59.87	48.21	109.27	-61.06	QP	

REMARKS:

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

Test Mode: UNII-3_TX AX (HE40) Mode 5755 MHz

Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.3011	-0.36	48.68	48.32	98.03	-49.71	AVG	
2	*	1.0294	4.71	41.13	45.84	67.35	-21.51	QP	
3		5.6500	4.36	37.77	42.13	69.54	-27.41	QP	

REMARKS:

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1 GHZ

Test Mode: UNII-3_TX AX (HE40) Mode 5755 MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	40.1850	47.59	-16.20	31.39	40.00	-8.61	peak	
2		156.1000	43.35	-15.11	28.24	43.50	-15.26	peak	
3		408.3000	44.39	-13.54	30.85	46.00	-15.15	peak	
4		593.5700	42.40	-8.98	33.42	46.00	-12.58	peak	
5		853.0450	35.06	-5.99	29.07	46.00	-16.93	peak	
6		953.4400	36.56	-5.13	31.43	46.00	-14.57	peak	

REMARKS:

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

Test Mode: UNII-3_TX AX (HE40) Mode 5755 MHz

Horizontal



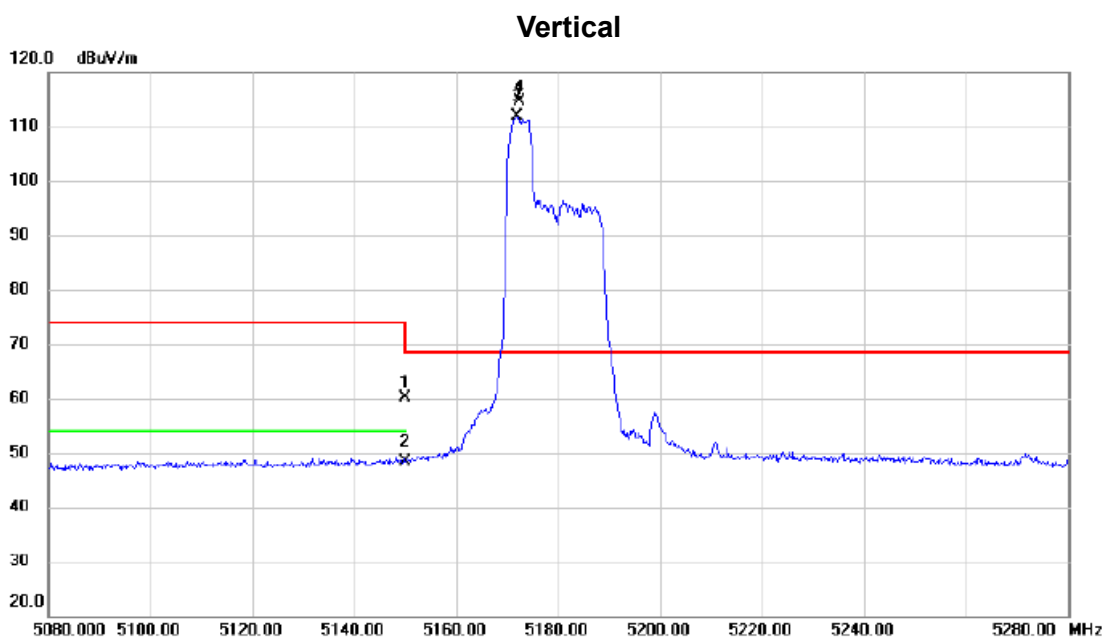
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		153.6750	47.61	-14.99	32.62	43.50	-10.88	peak	
2	*	327.7900	49.12	-13.90	35.22	46.00	-10.78	peak	
3		530.0350	45.30	-11.79	33.51	46.00	-12.49	peak	
4		594.5400	40.82	-8.93	31.89	46.00	-14.11	peak	
5		779.3250	34.97	-6.55	28.42	46.00	-17.58	peak	
6		893.3000	39.30	-5.49	33.81	46.00	-12.19	peak	

REMARKS:

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

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5180 MHz	RU configuration	52/37

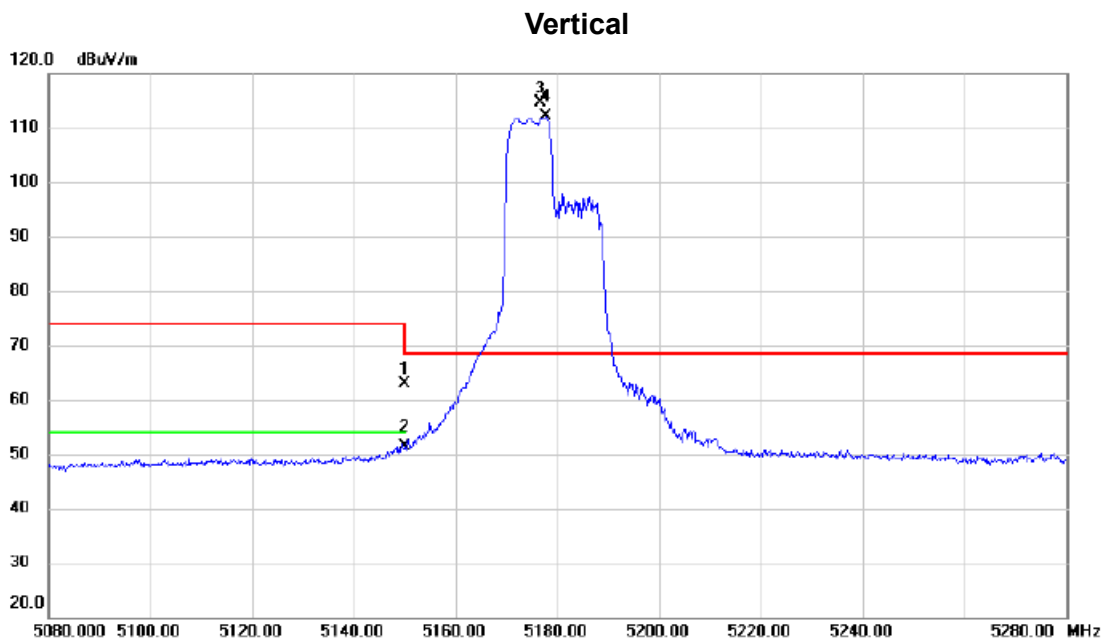


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	21.18	39.07	60.25	74.00	-13.75	peak	
2		5150.000	9.33	39.07	48.40	54.00	-5.60	AVG	
3	X	5171.900	72.78	39.09	111.87	68.30	43.57	AVG	No limit
4	*	5172.400	75.55	39.09	114.64	68.30	46.34	peak	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5180 MHz	RU configuration	106/53

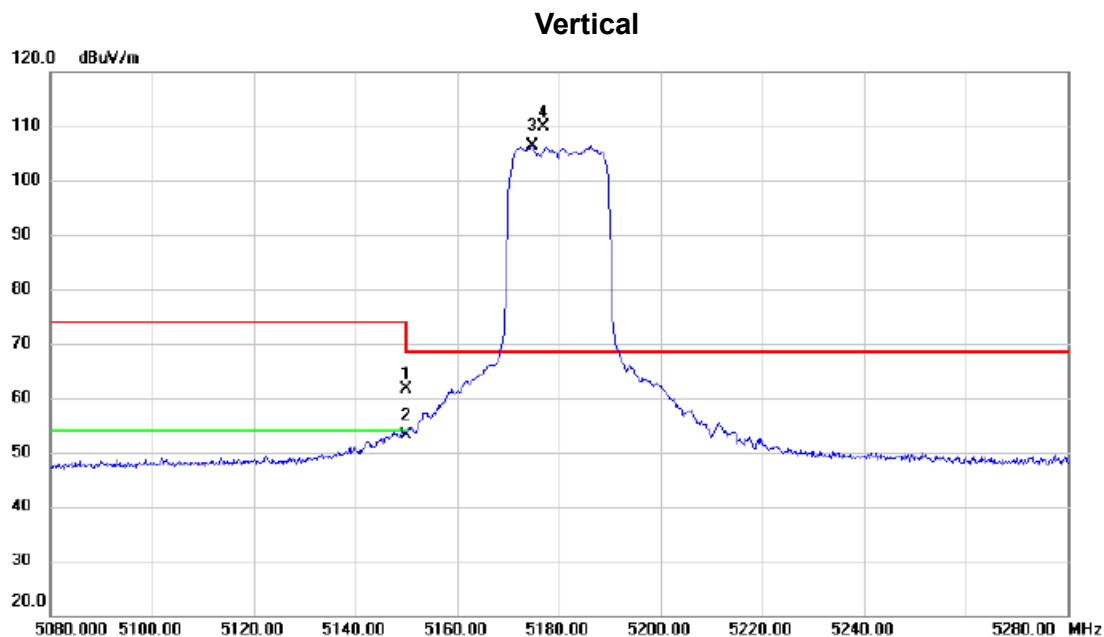


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	23.77	39.07	62.84	74.00	-11.16	peak	
2		5150.000	12.35	39.07	51.42	54.00	-2.58	AVG	
3	*	5176.700	75.56	39.11	114.67	68.30	46.37	peak	No limit
4	X	5177.800	73.02	39.11	112.13	68.30	43.83	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5180 MHz	RU configuration	242/61



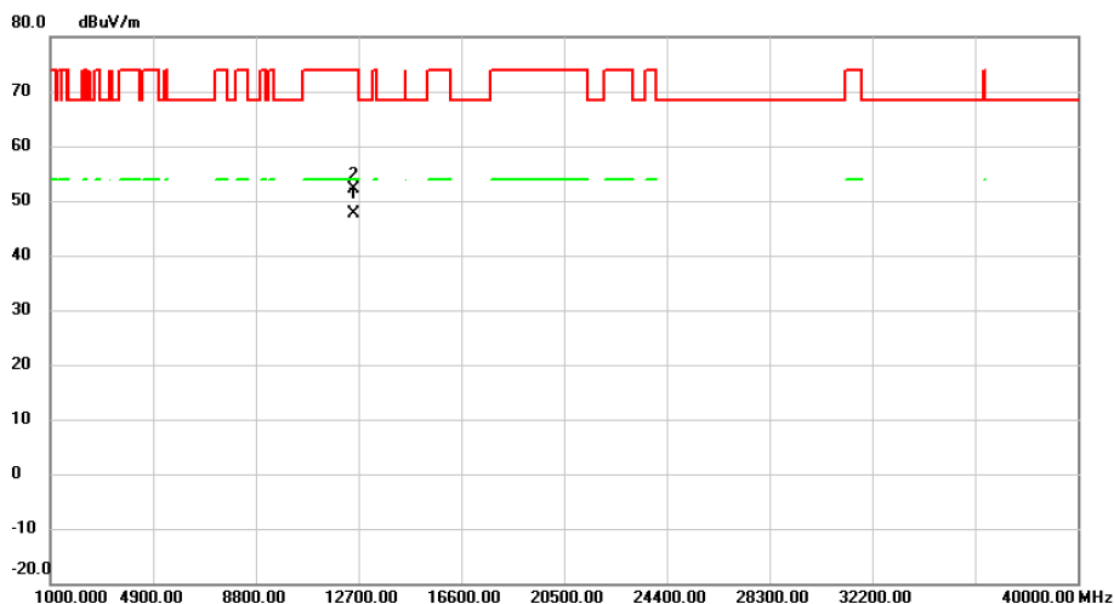
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	22.67	39.07	61.74	74.00	-12.26	peak	
2		5150.000	14.02	39.07	53.09	54.00	-0.91	AVG	
3	X	5174.900	67.32	39.10	106.42	68.30	38.12	AVG	No limit
4	*	5176.800	70.70	39.11	109.81	68.30	41.51	peak	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5180 MHz	RU configuration	242/61

Vertical



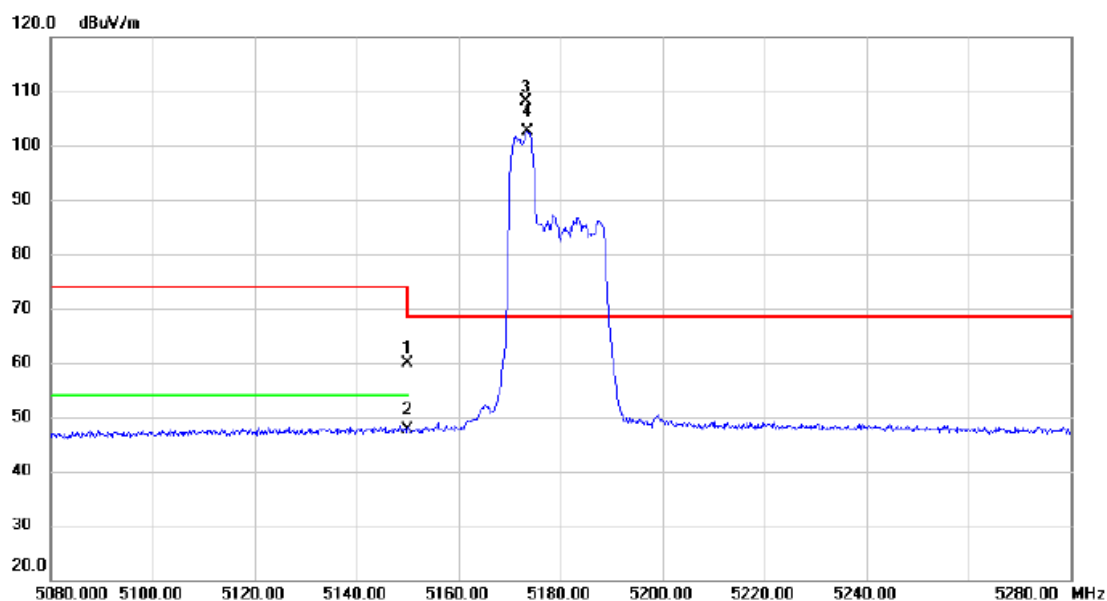
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12499.86	44.77	2.93	47.70	54.00	-6.30	AVG	
2		12499.96	49.13	2.93	52.06	74.00	-21.94	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5180 MHz	RU configuration	52/37

Horizontal



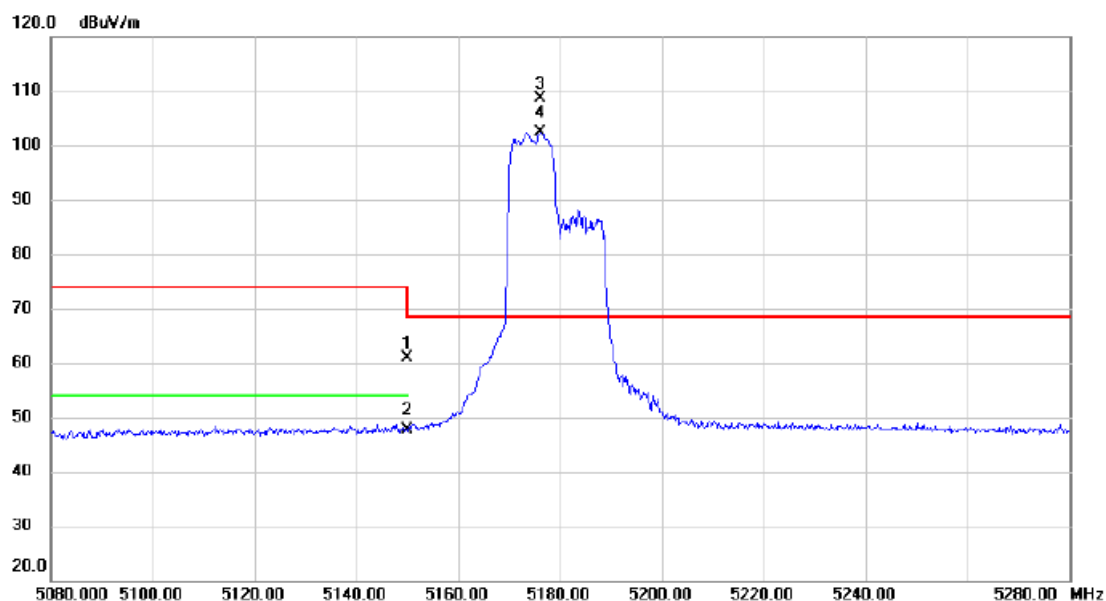
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	20.86	39.07	59.93	74.00	-14.07	peak	
2		5150.000	8.53	39.07	47.60	54.00	-6.40	AVG	
3	*	5173.100	69.08	39.09	108.17	68.30	39.87	peak	No limit
4	X	5173.500	63.48	39.09	102.57	68.30	34.27	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5180 MHz	RU configuration	106/53

Horizontal



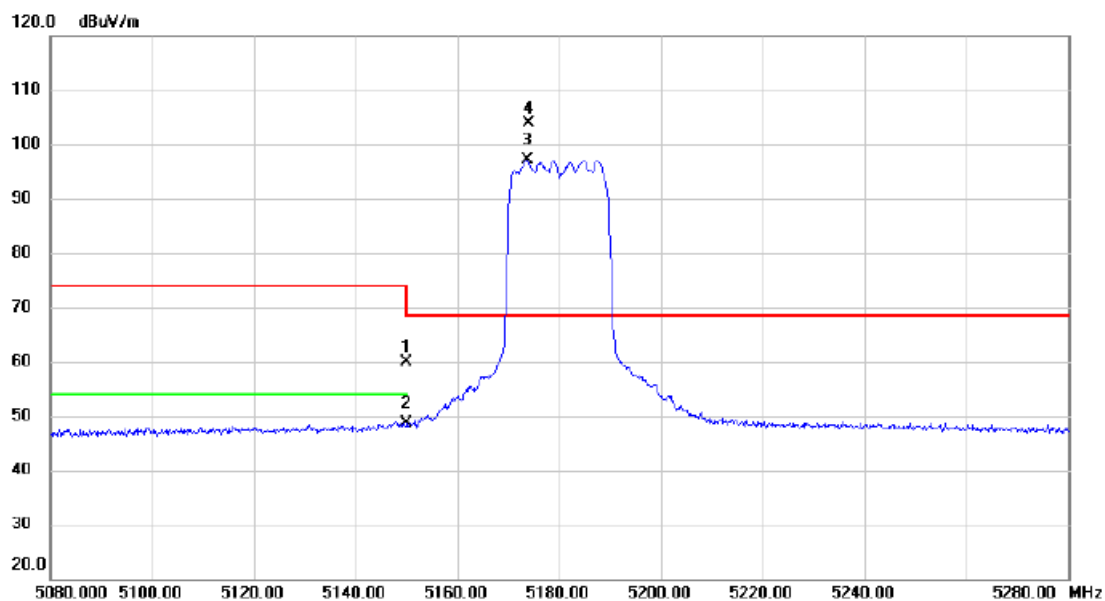
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	21.75	39.07	60.82	74.00	-13.18	peak	
2		5150.000	8.59	39.07	47.66	54.00	-6.34	AVG	
3	*	5176.000	69.59	39.11	108.70	68.30	40.40	peak	No limit
4	X	5176.200	63.31	39.11	102.42	68.30	34.12	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5180 MHz	RU configuration	242/61

Horizontal

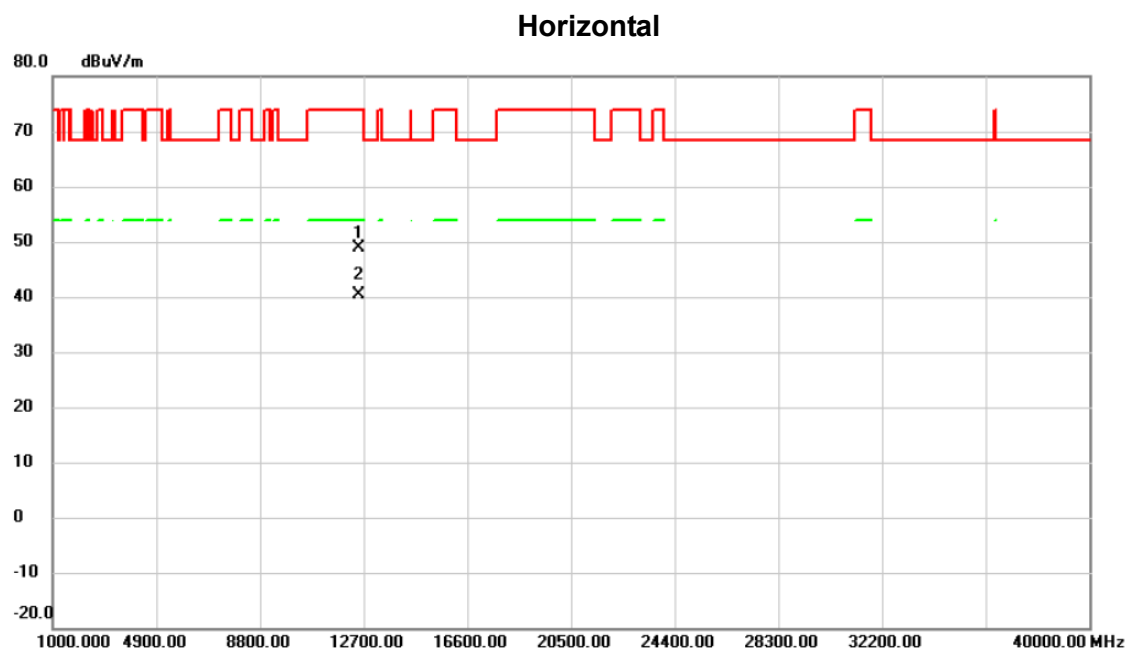


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	20.80	39.07	59.87	74.00	-14.13	peak	
2		5150.000	9.66	39.07	48.73	54.00	-5.27	AVG	
3	X	5173.700	57.95	39.09	97.04	68.30	28.74	AVG	No limit
4	*	5173.900	64.89	39.09	103.98	68.30	35.68	peak	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5180 MHz	RU configuration	242/61

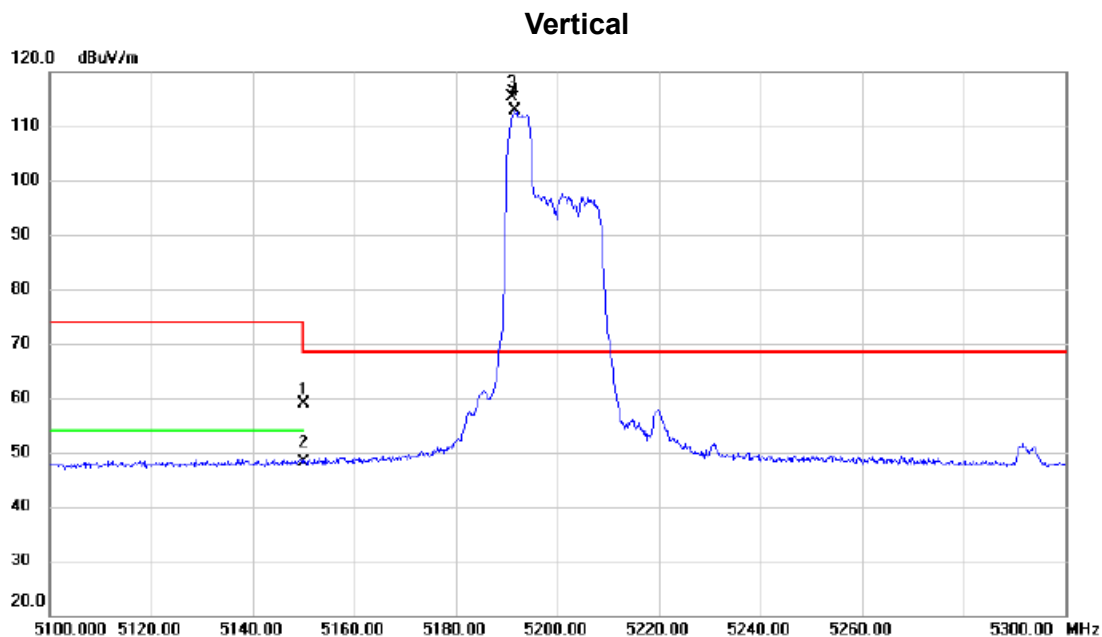


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		12499.45	45.85	2.93	48.78	74.00	-25.22	peak	
2	*	12499.96	37.44	2.93	40.37	54.00	-13.63	AVG	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5200 MHz	RU configuration	52/37



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	19.93	39.07	59.00	74.00	-15.00	peak	
2		5150.000	9.17	39.07	48.24	54.00	-5.76	AVG	
3	*	5191.100	76.32	39.12	115.44	68.30	47.14	peak	No limit
4	X	5191.600	73.66	39.12	112.78	68.30	44.48	AVG	No limit

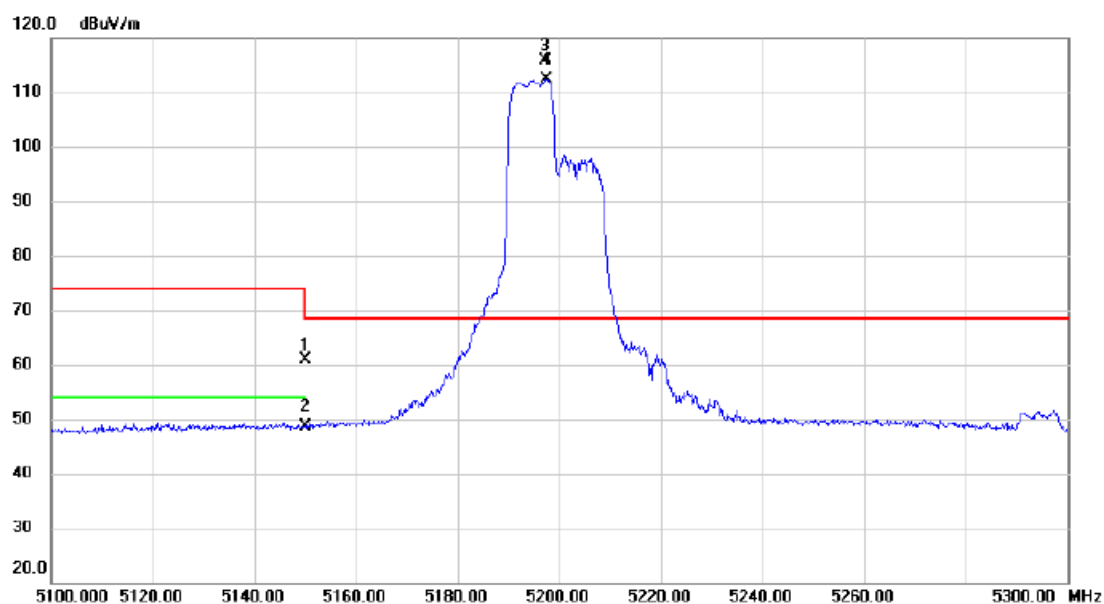
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5200 MHz	RU configuration	106/53

Vertical

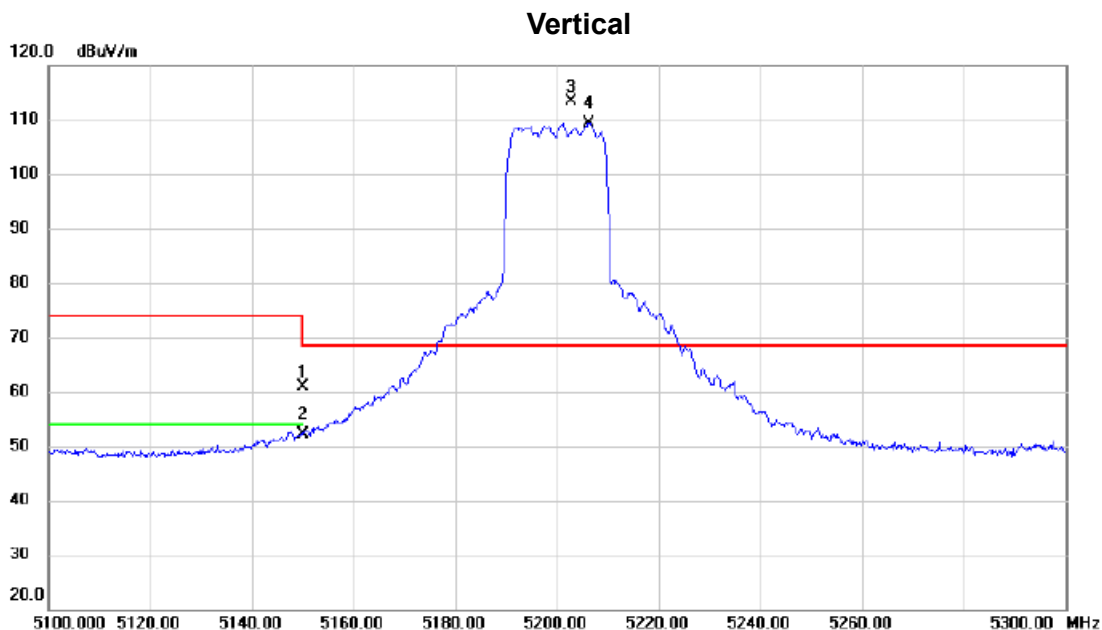


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	21.84	39.07	60.91	74.00	-13.09	peak	
2		5150.000	9.60	39.07	48.67	54.00	-5.33	AVG	
3	*	5197.200	76.85	39.13	115.98	68.30	47.68	peak	No limit
4	X	5197.500	73.34	39.13	112.47	68.30	44.17	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5200 MHz	RU configuration	242/61



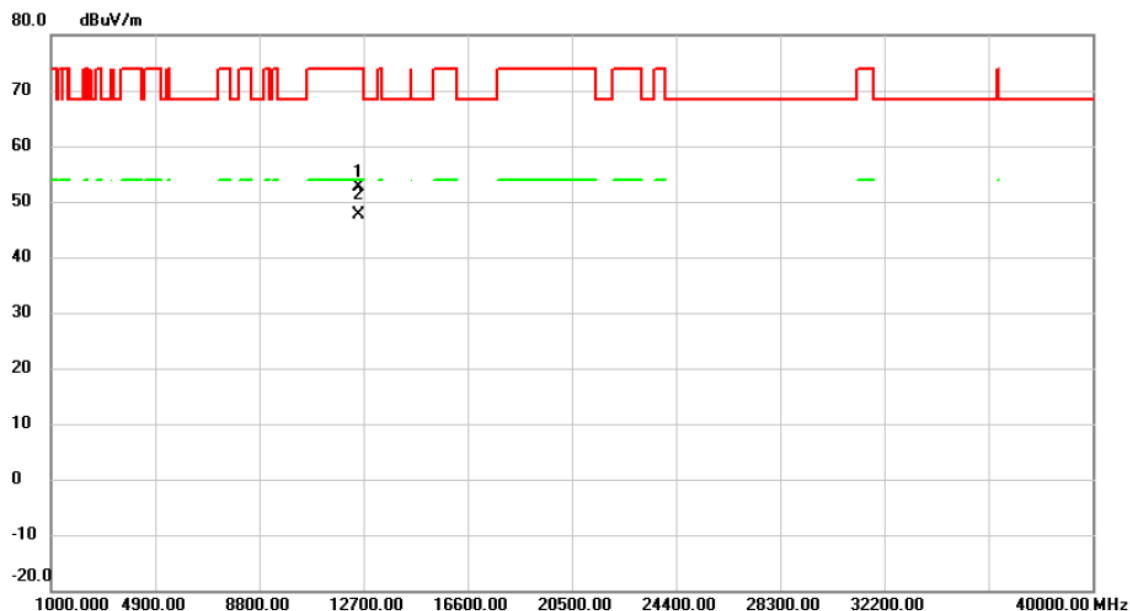
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	21.70	39.07	60.77	74.00	-13.23	peak	
2		5150.000	13.13	39.07	52.20	54.00	-1.80	AVG	
3	*	5202.800	74.25	39.13	113.38	68.30	45.08	peak	No limit
4	X	5206.300	70.33	39.14	109.47	68.30	41.17	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5200 MHz	RU configuration	242/61

Vertical

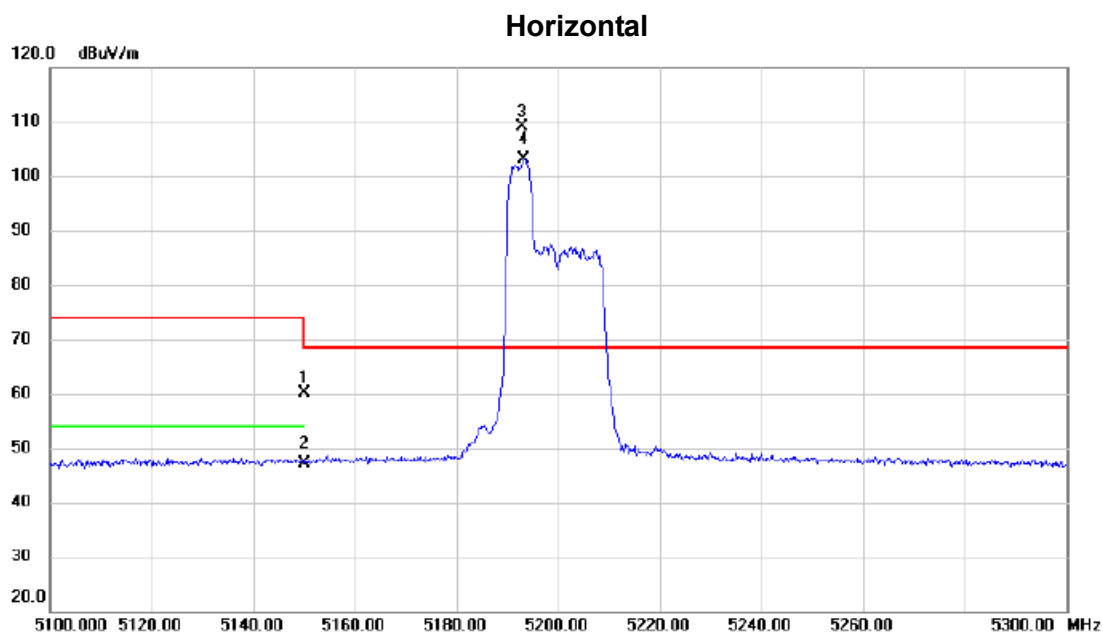


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		12499.70	49.63	2.93	52.56	74.00	-21.44	peak	
2	*	12499.83	44.73	2.93	47.66	54.00	-6.34	AVG	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5200 MHz	RU configuration	52/37



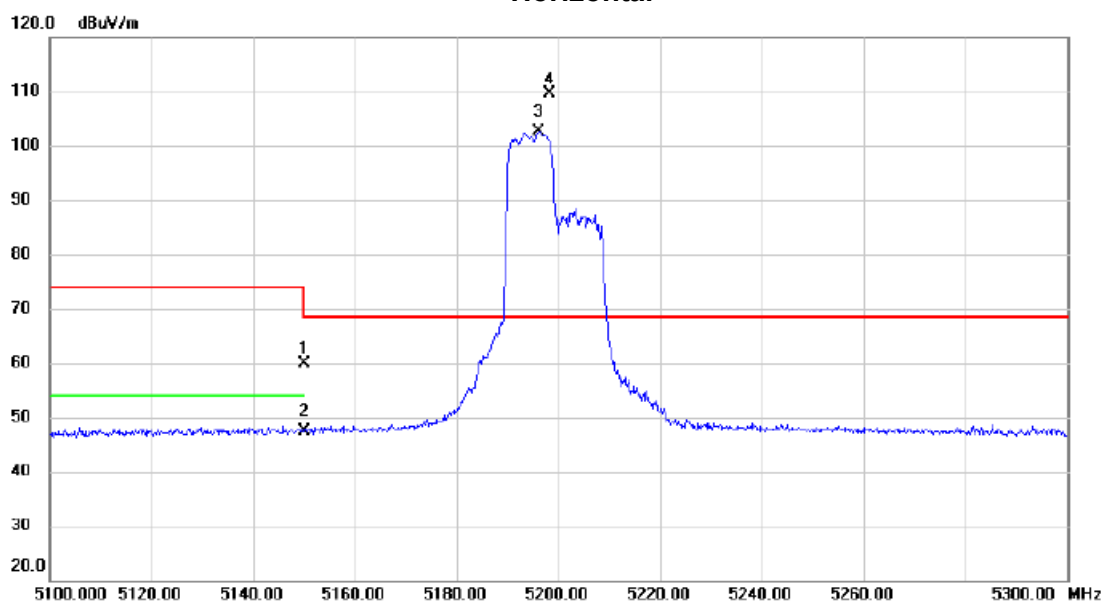
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	21.04	39.07	60.11	74.00	-13.89	peak	
2		5150.000	8.18	39.07	47.25	54.00	-6.75	AVG	
3	*	5192.800	69.94	39.13	109.07	68.30	40.77	peak	No limit
4	X	5193.300	63.93	39.13	103.06	68.30	34.76	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5200 MHz	RU configuration	106/53

Horizontal



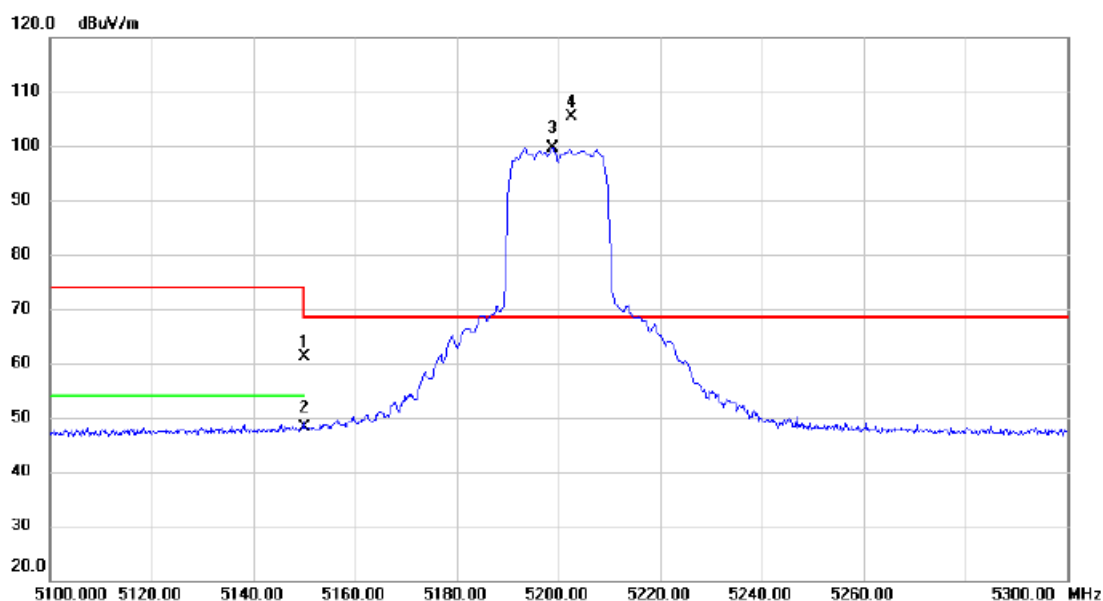
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	20.80	39.07	59.87	74.00	-14.13	peak	
2		5150.000	8.39	39.07	47.46	54.00	-6.54	AVG	
3	X	5196.200	63.59	39.13	102.72	68.30	34.42	AVG	No limit
4	*	5198.200	70.40	39.13	109.53	68.30	41.23	peak	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5200 MHz	RU configuration	242/61

Horizontal

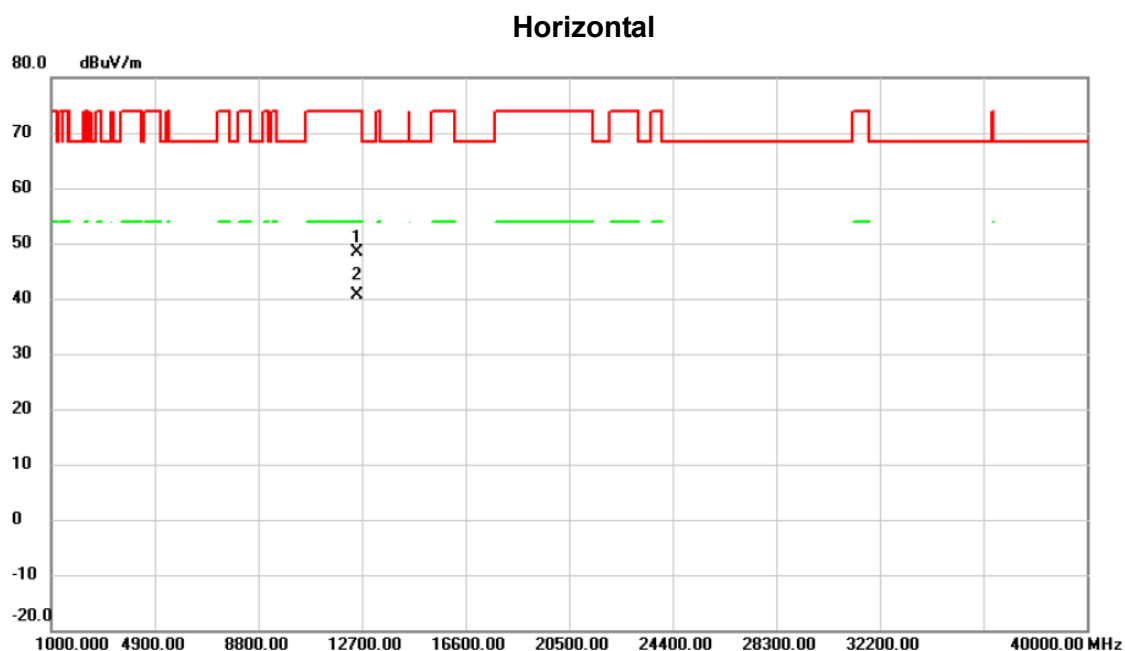


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	21.98	39.07	61.05	74.00	-12.95	peak	
2		5150.000	9.17	39.07	48.24	54.00	-5.76	AVG	
3	X	5198.700	60.51	39.13	99.64	68.30	31.34	AVG	No limit
4	*	5202.600	66.31	39.13	105.44	68.30	37.14	peak	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5200 MHz	RU configuration	242/61

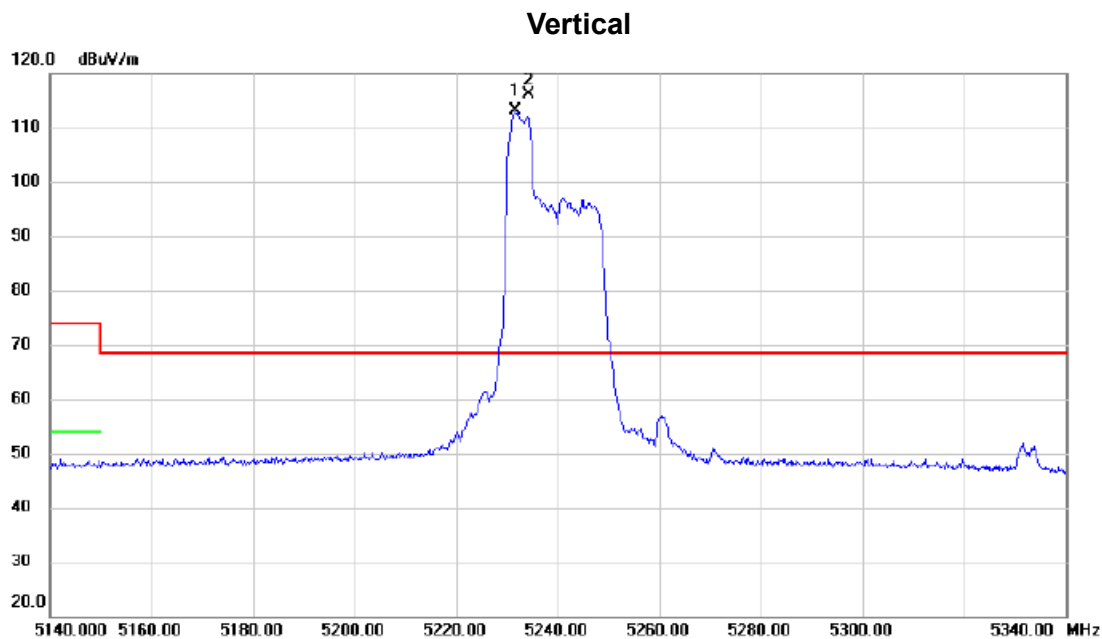


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		12499.65	45.40	2.93	48.33	74.00	-25.67	peak	
2	*	12499.79	37.75	2.93	40.68	54.00	-13.32	AVG	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5240 MHz	RU configuration	52/37

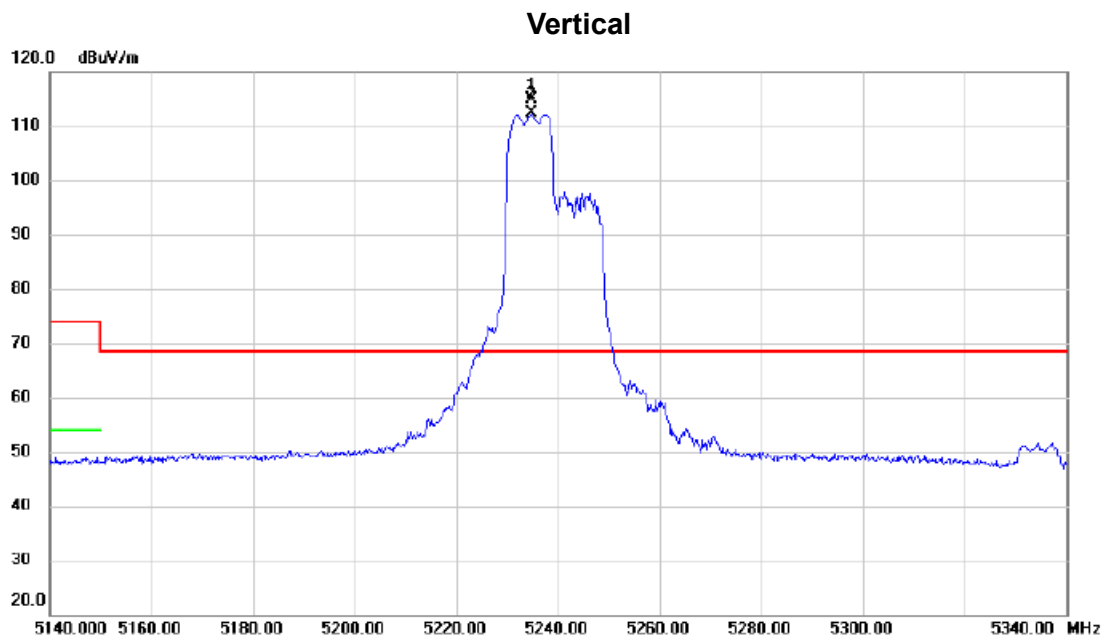


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5231.700	73.91	39.17	113.08	68.30	44.78	AVG	No limit
2	*	5234.200	76.94	39.17	116.11	68.30	47.81	peak	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5240 MHz	RU configuration	106/53

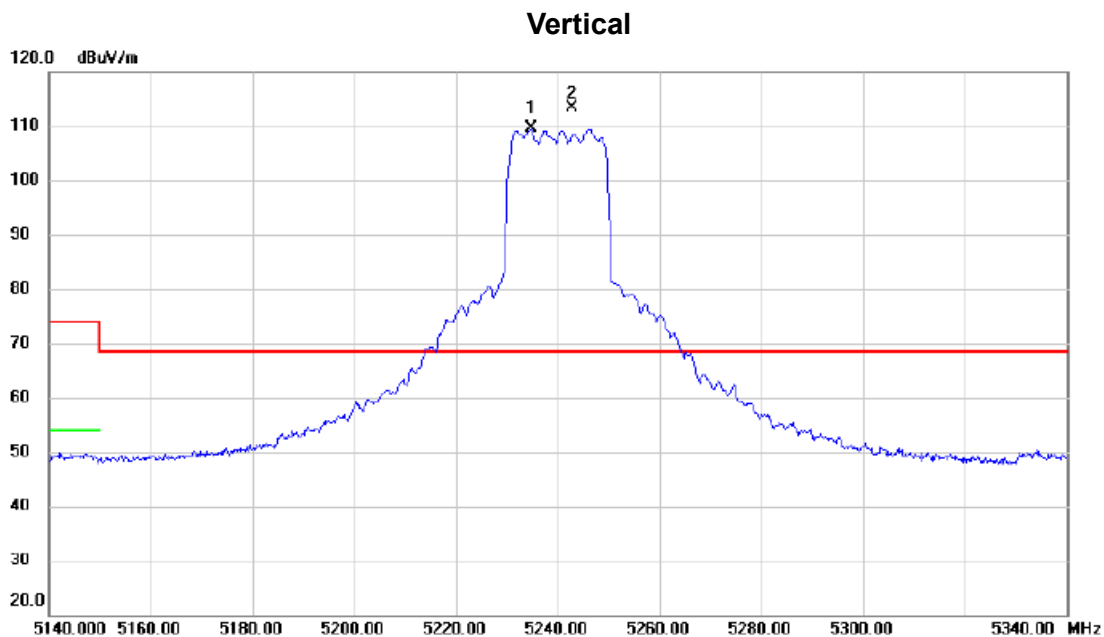


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5234.700	75.67	39.17	114.84	68.30	46.54	peak	No limit
2	X	5234.700	73.24	39.17	112.41	68.30	44.11	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5240 MHz	RU configuration	242/61



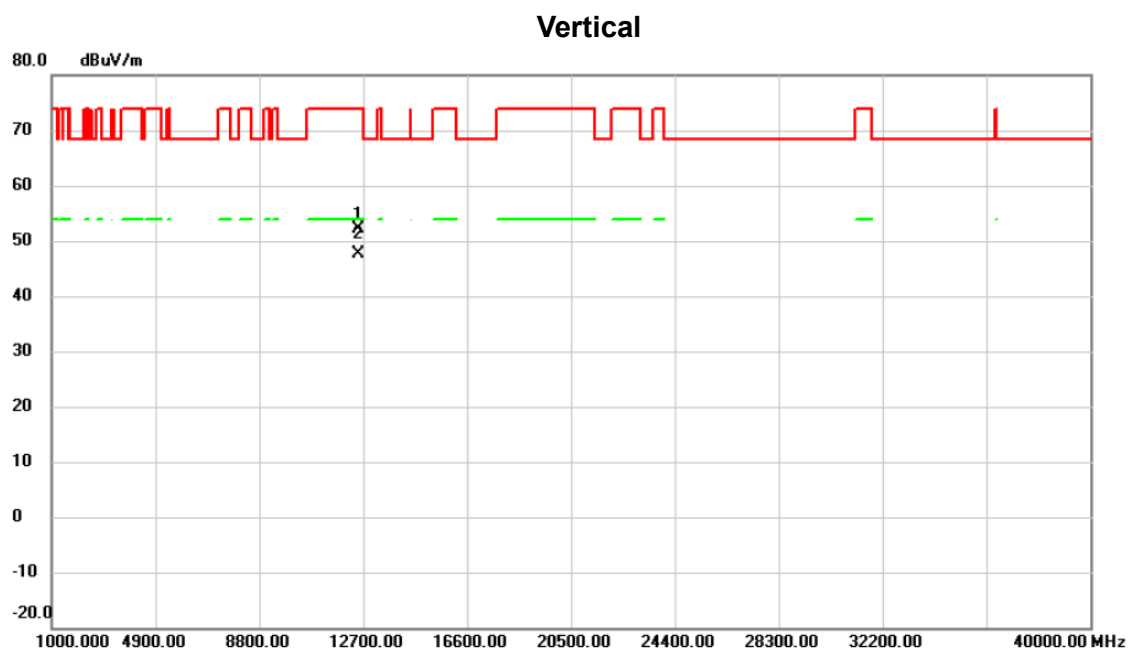
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	5234.700	70.44	39.17	109.61	68.30	41.31	AVG	No limit
2	*	5242.700	74.22	39.19	113.41	68.30	45.11	peak	No limit

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5240 MHz	RU configuration	242/61



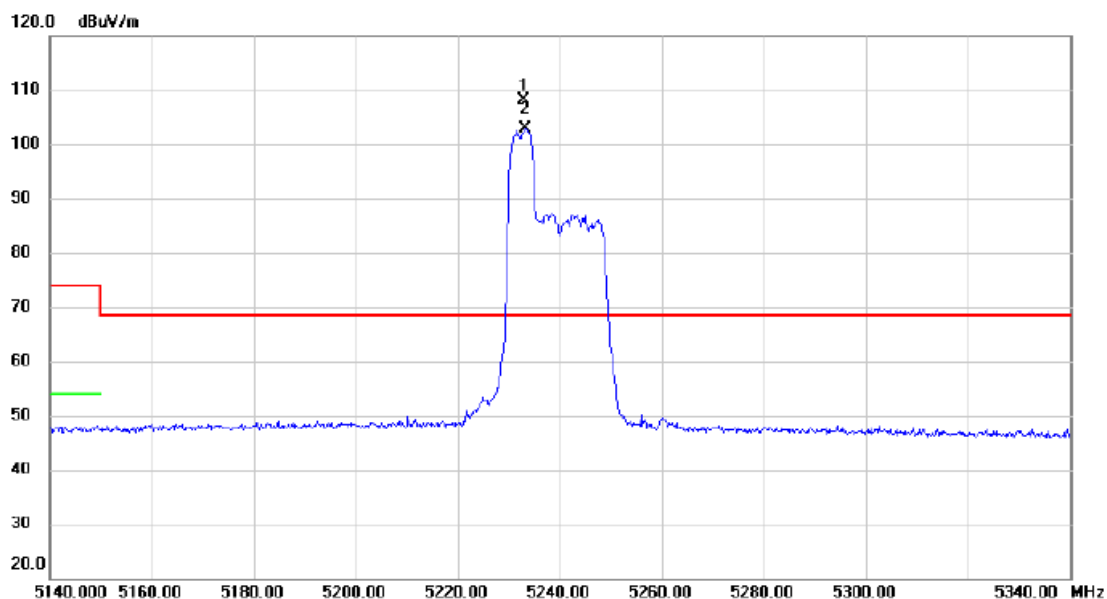
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		12499.77	49.15	2.93	52.08	74.00	-21.92	peak	
2	*	12499.84	44.73	2.93	47.66	54.00	-6.34	AVG	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5240 MHz	RU configuration	52/37

Horizontal



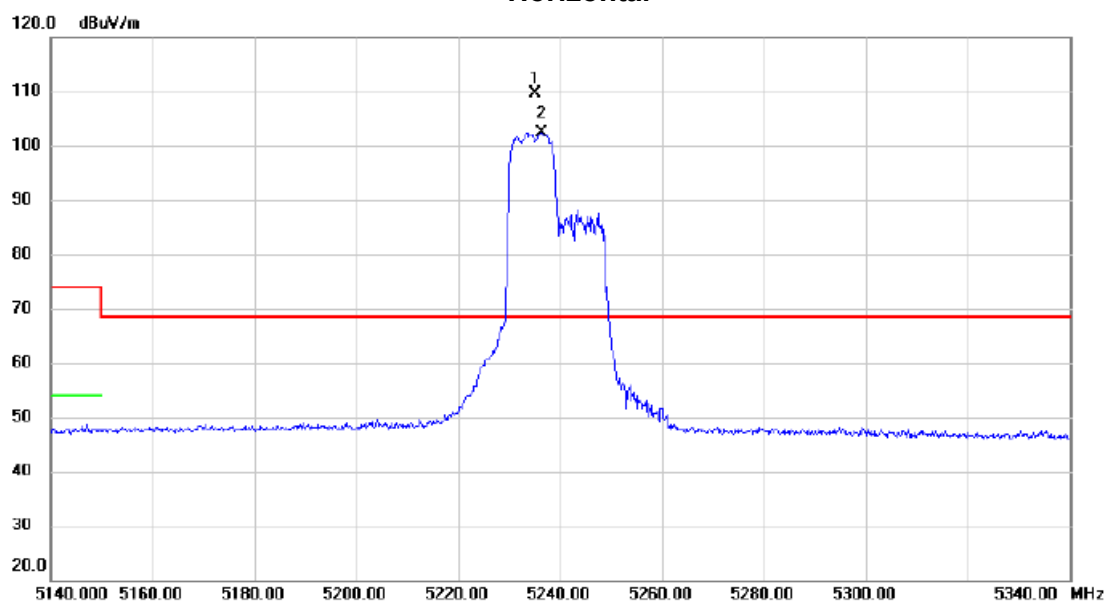
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5232.900	69.08	39.17	108.25	68.30	39.95	peak	No limit
2	X	5233.200	63.78	39.17	102.95	68.30	34.65	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5240 MHz	RU configuration	106/53

Horizontal



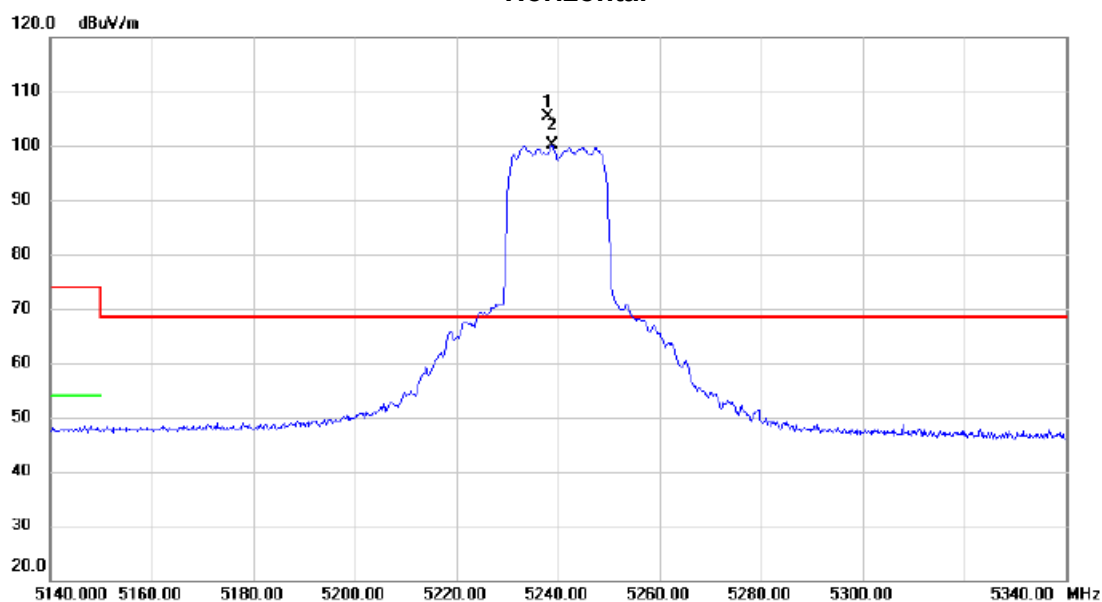
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5235.000	70.38	39.18	109.56	68.30	41.26	peak	No limit
2	X	5236.300	63.28	39.18	102.46	68.30	34.16	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5240 MHz	RU configuration	242/61

Horizontal



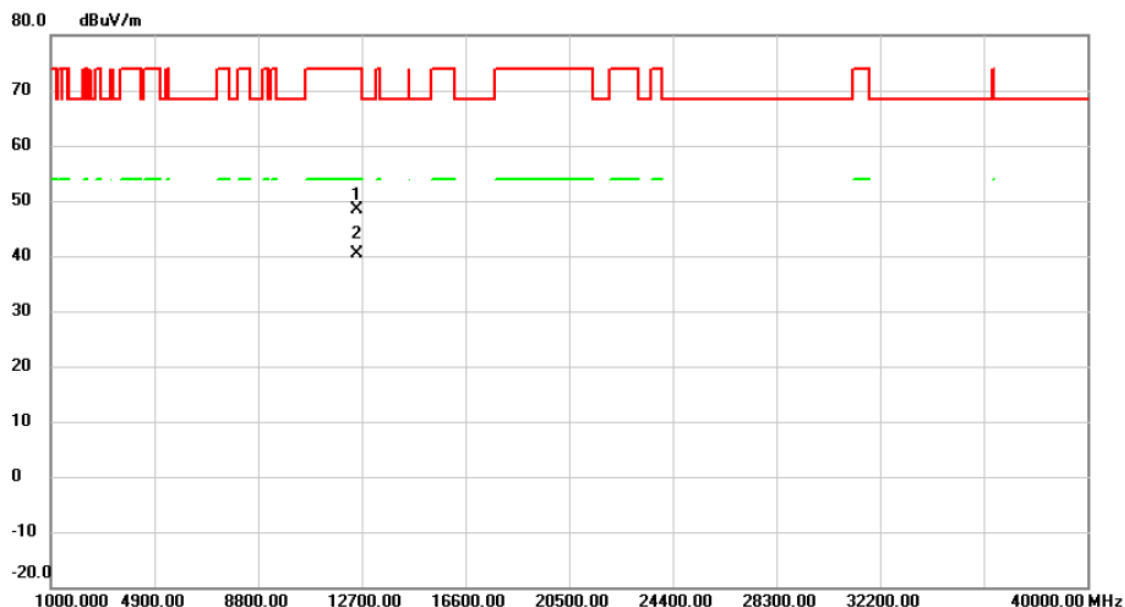
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5238.000	66.11	39.18	105.29	68.30	36.99	peak	No limit
2	X	5238.700	60.85	39.18	100.03	68.30	31.73	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5240 MHz	RU configuration	242/61

Horizontal



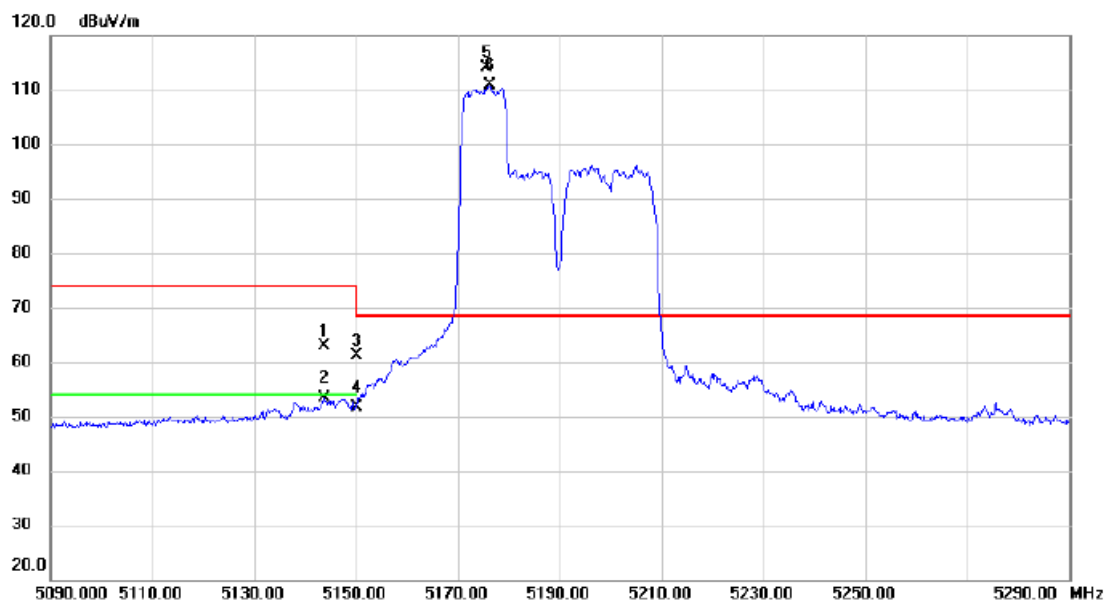
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		12499.76	45.43	2.93	48.36	74.00	-25.64	peak	
2	*	12499.92	37.40	2.93	40.33	54.00	-13.67	AVG	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5190 MHz	RU configuration	106/53

Vertical



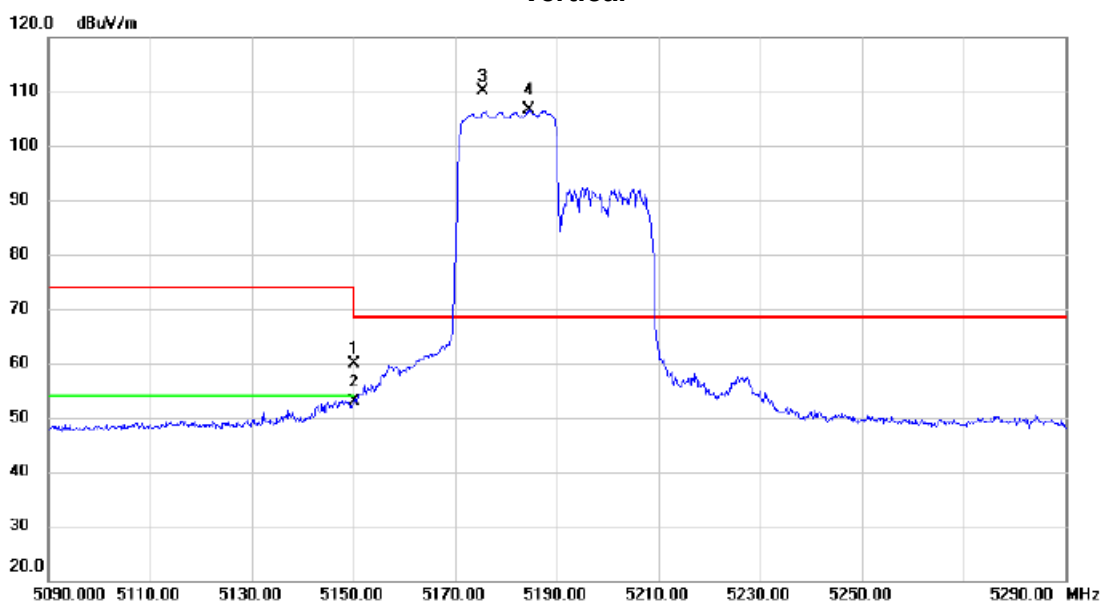
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5143.700	23.94	39.06	63.00	74.00	-11.00	peak	
2		5143.700	14.25	39.06	53.31	54.00	-0.69	AVG	
3		5150.000	22.10	39.07	61.17	74.00	-12.83	peak	
4		5150.000	12.50	39.07	51.57	54.00	-2.43	AVG	
5	*	5175.600	75.08	39.11	114.19	68.30	45.89	peak	No limit
6	X	5176.200	71.77	39.11	110.88	68.30	42.58	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5190 MHz	RU configuration	242/61

Vertical



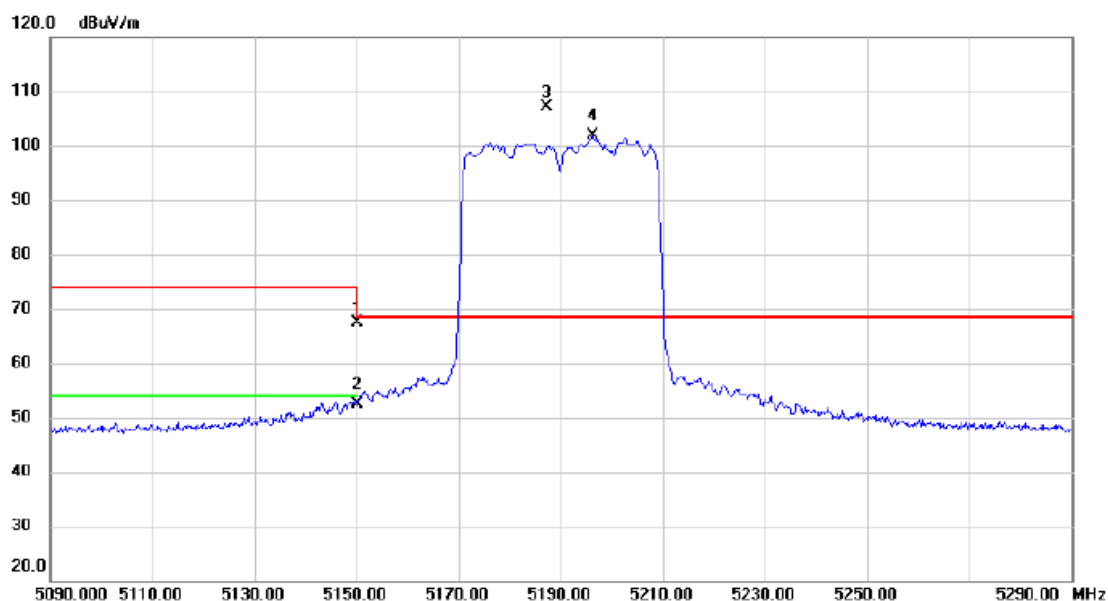
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	20.84	39.07	59.91	74.00	-14.09	peak	
2		5150.000	13.86	39.07	52.93	54.00	-1.07	AVG	
3	*	5175.400	70.97	39.11	110.08	68.30	41.78	peak	No limit
4	X	5184.500	67.44	39.11	106.55	68.30	38.25	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5190 MHz	RU configuration	484/65

Vertical



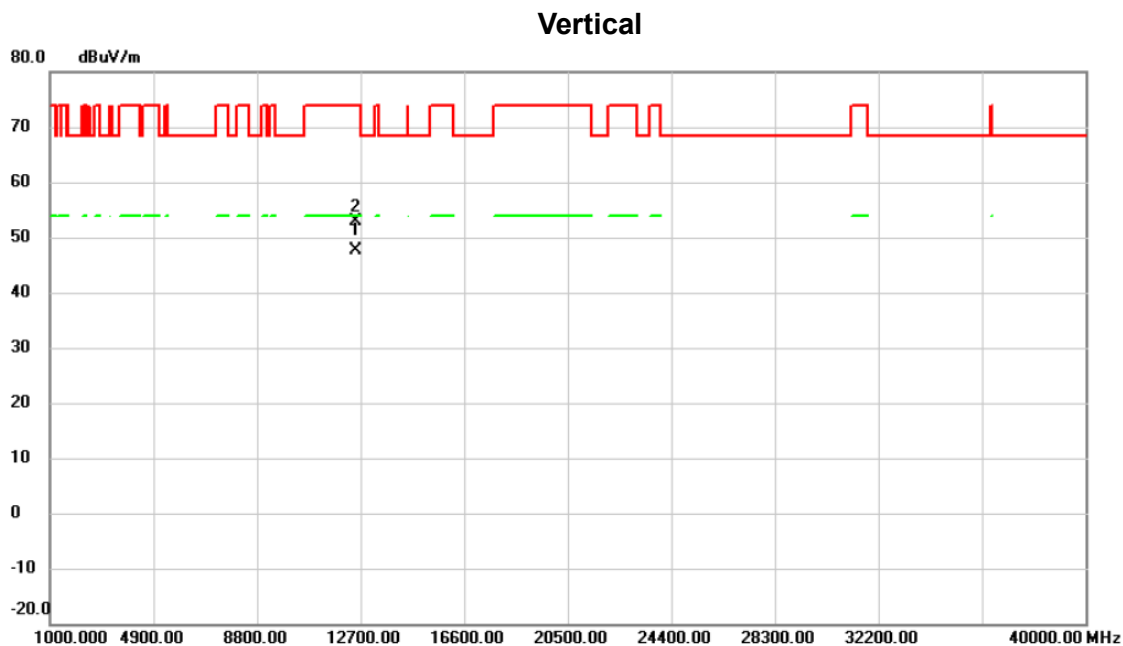
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	28.40	39.07	67.47	74.00	-6.53	peak	
2		5150.000	13.39	39.07	52.46	54.00	-1.54	AVG	
3	*	5187.100	68.05	39.11	107.16	68.30	38.86	peak	No limit
4	X	5196.300	62.74	39.13	101.87	68.30	33.57	AVG	No limit

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5190 MHz	RU configuration	484/65



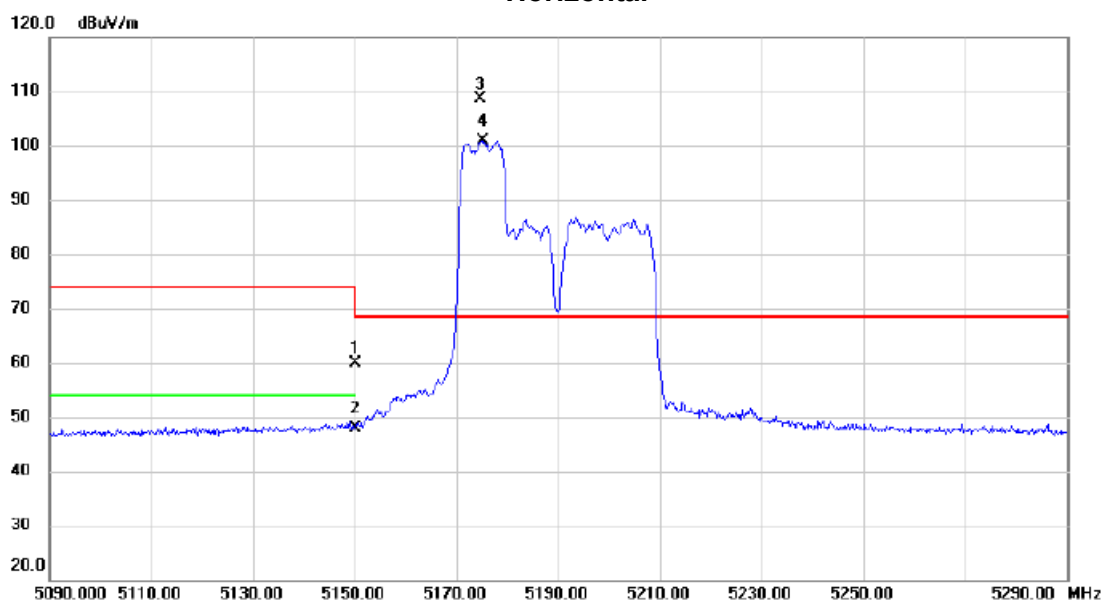
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12499.88	44.81	2.93	47.74	54.00	-6.26	AVG	
2		12500.17	49.89	2.93	52.82	74.00	-21.18	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5190 MHz	RU configuration	106/53

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	20.78	39.07	59.85	74.00	-14.15	peak	
2		5150.000	8.72	39.07	47.79	54.00	-6.21	AVG	
3	*	5174.700	69.48	39.10	108.58	68.30	40.28	peak	No limit
4	X	5175.200	61.87	39.11	100.98	68.30	32.68	AVG	No limit

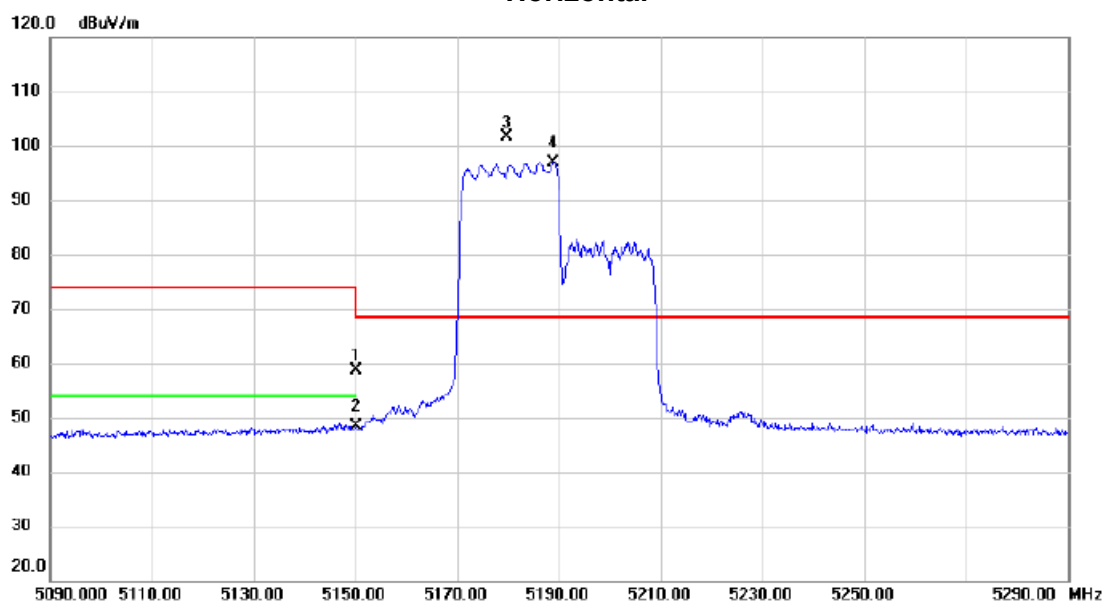
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5190 MHz	RU configuration	242/61

Horizontal



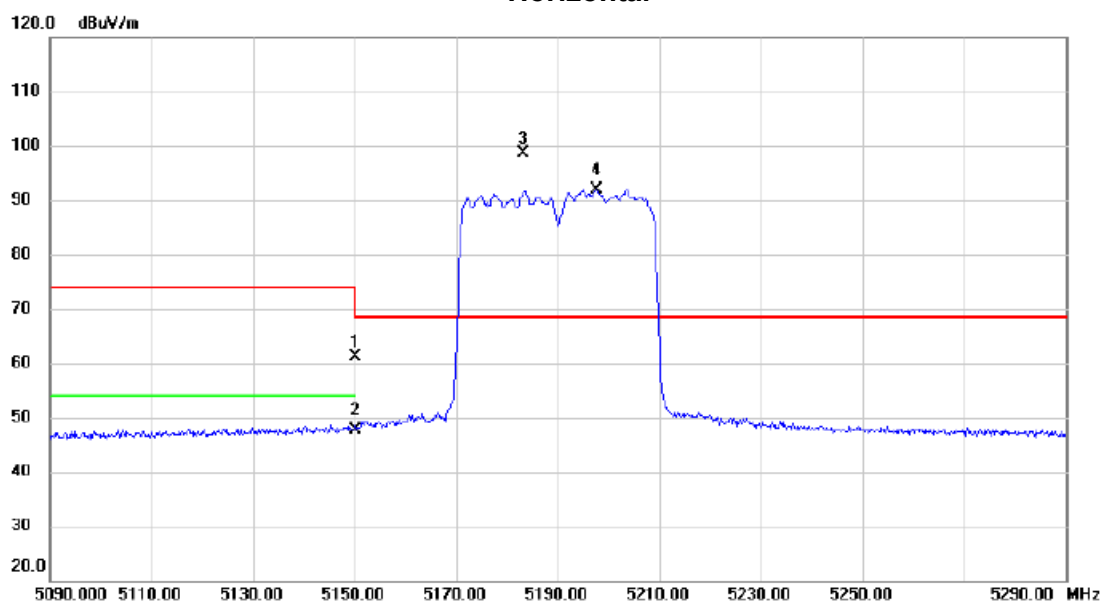
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	19.66	39.07	58.73	74.00	-15.27	peak	
2		5150.000	9.34	39.07	48.41	54.00	-5.59	AVG	
3	*	5179.700	62.49	39.11	101.60	68.30	33.30	peak	No limit
4	X	5188.800	57.73	39.11	96.84	68.30	28.54	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5190 MHz	RU configuration	484/65

Horizontal

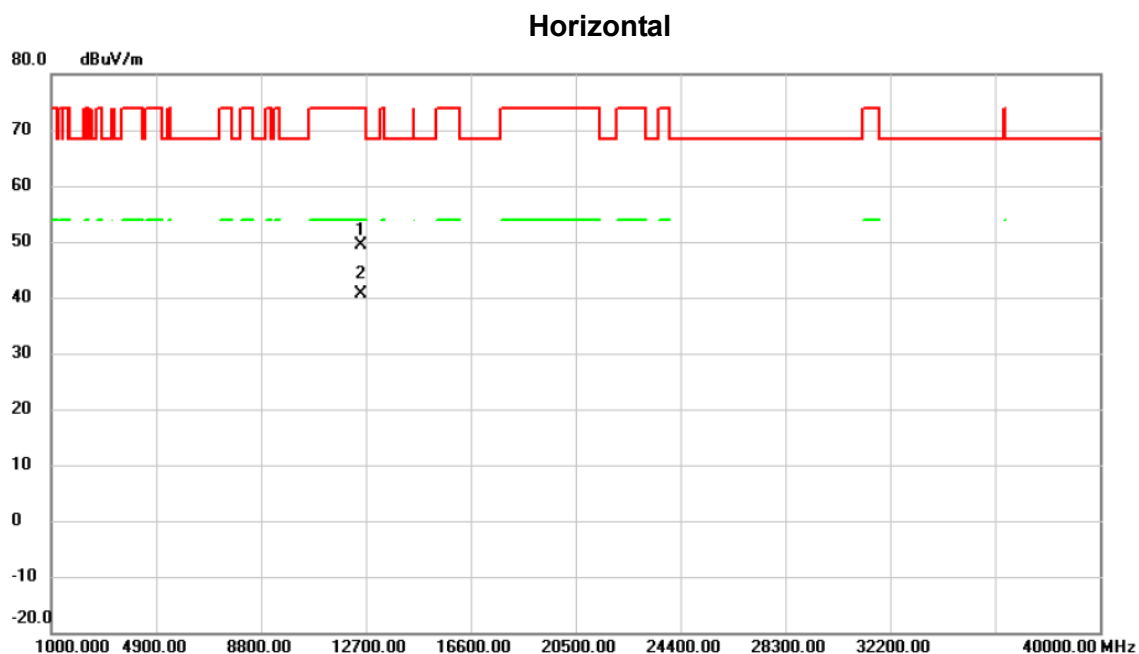


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	22.15	39.07	61.22	74.00	-12.78	peak	
2		5150.000	8.65	39.07	47.72	54.00	-6.28	AVG	
3	*	5183.300	59.58	39.11	98.69	68.30	30.39	peak	No limit
4	X	5197.500	52.77	39.13	91.90	68.30	23.60	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5190 MHz	RU configuration	484/65



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		12499.82	46.48	2.93	49.41	74.00	-24.59	peak	
2	*	12499.92	37.73	2.93	40.66	54.00	-13.34	AVG	

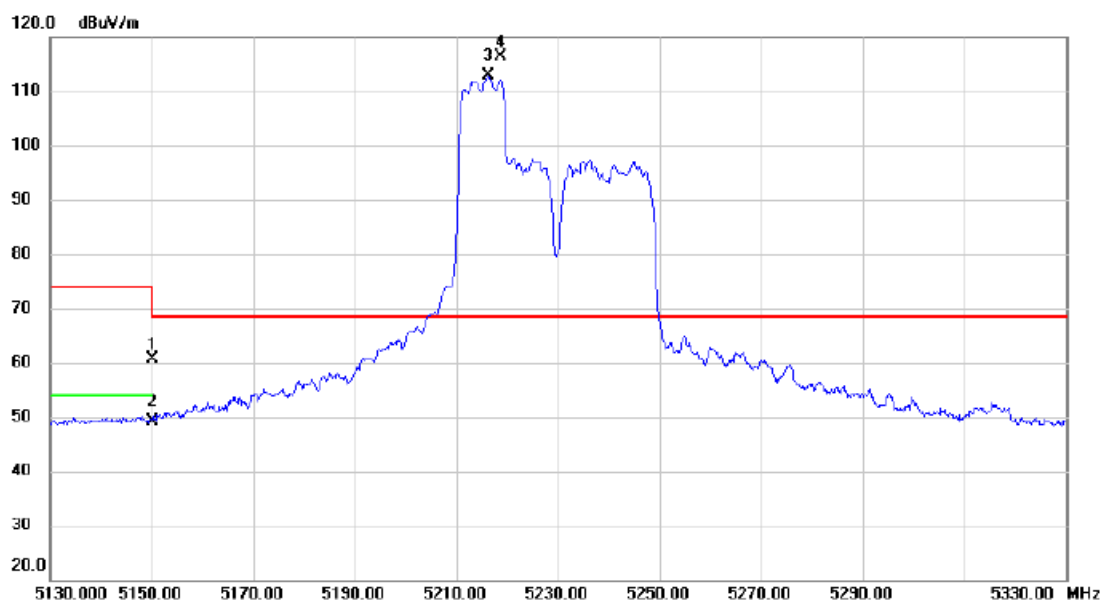
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5230 MHz	RU configuration	106/53

Vertical



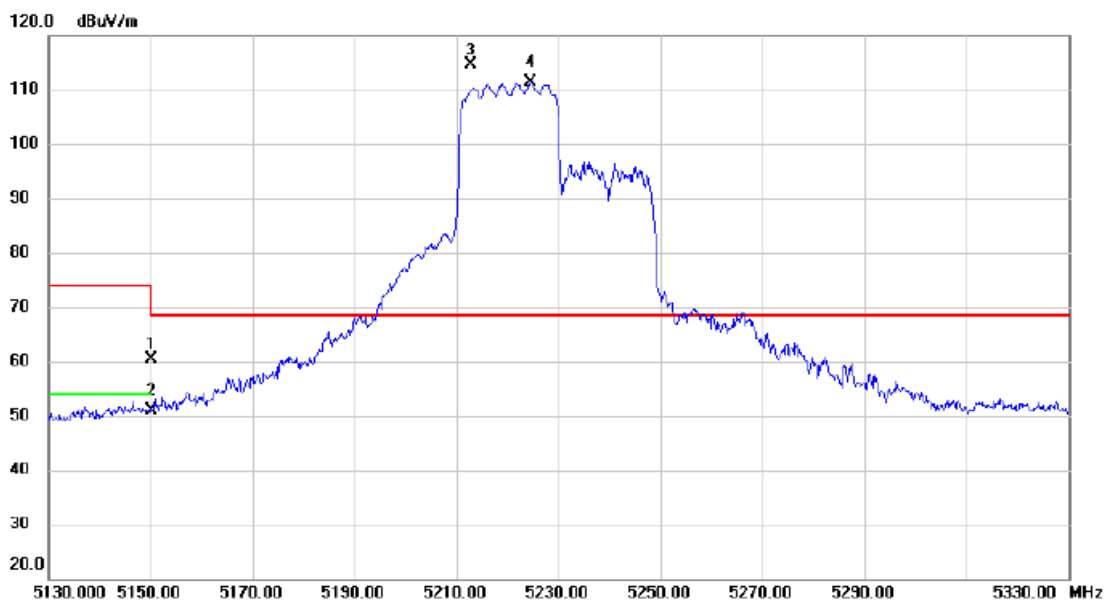
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	21.59	39.07	60.66	74.00	-13.34	peak	
2		5150.000	10.06	39.07	49.13	54.00	-4.87	AVG	
3	X	5216.400	73.79	39.15	112.94	68.30	44.64	AVG	No limit
4	*	5218.600	77.11	39.15	116.26	68.30	47.96	peak	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5230 MHz	RU configuration	242/61

Vertical

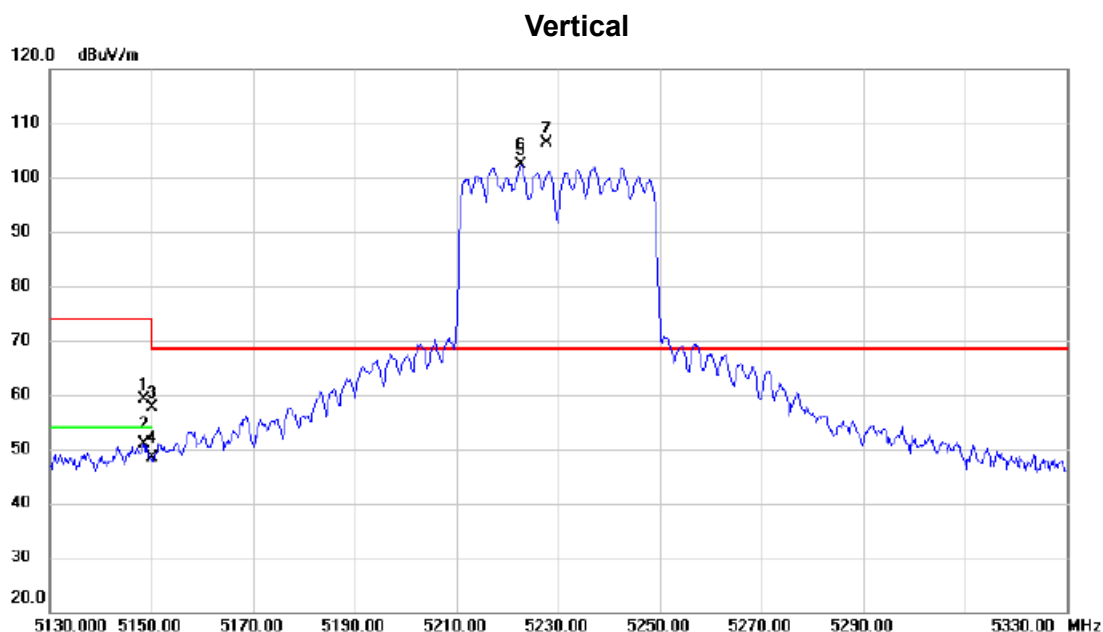


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	21.25	39.07	60.32	74.00	-13.68	peak	
2		5150.000	11.80	39.07	50.87	54.00	-3.13	AVG	
3	*	5212.700	75.49	39.15	114.64	68.30	46.34	peak	No limit
4	X	5224.600	72.18	39.16	111.34	68.30	43.04	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5230 MHz	RU configuration	484/65



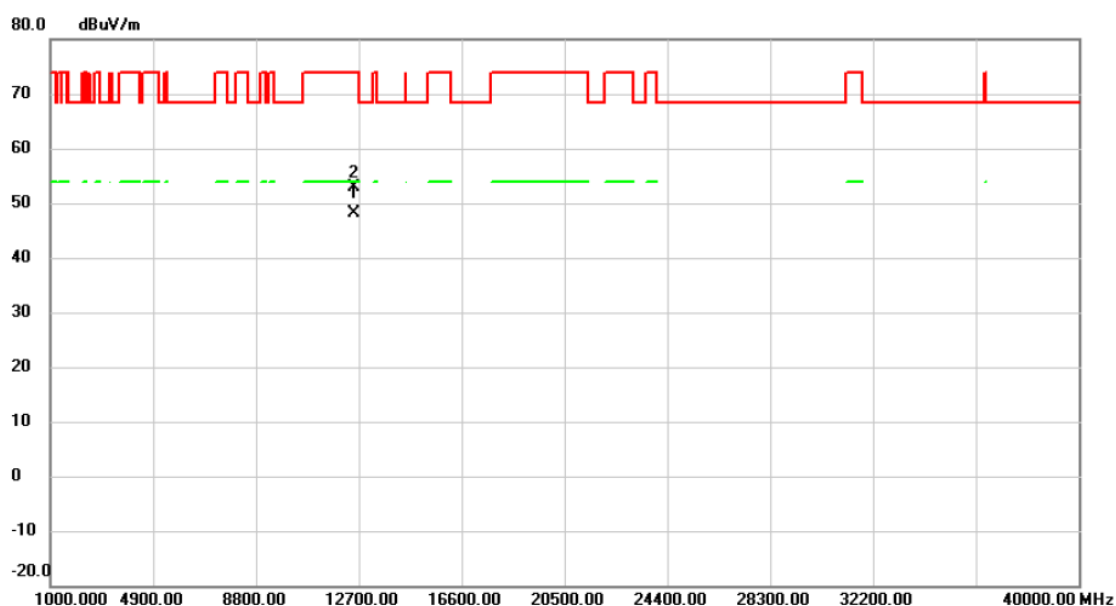
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5148.500	20.18	39.07	59.25	74.00	-14.75	peak	
2		5148.500	11.77	39.07	50.84	54.00	-3.16	AVG	
3		5150.000	18.67	39.07	57.74	74.00	-16.26	peak	
4		5150.000	9.30	39.07	48.37	54.00	-5.63	AVG	
5	X	5222.600	63.16	39.16	102.32	68.30	34.02	peak	
6	X	5222.600	63.16	39.16	102.32	68.30	34.02	AVG	No limit
7	*	5227.800	67.15	39.17	106.32	68.30	38.02	peak	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5230 MHz	RU configuration	484/65

Vertical



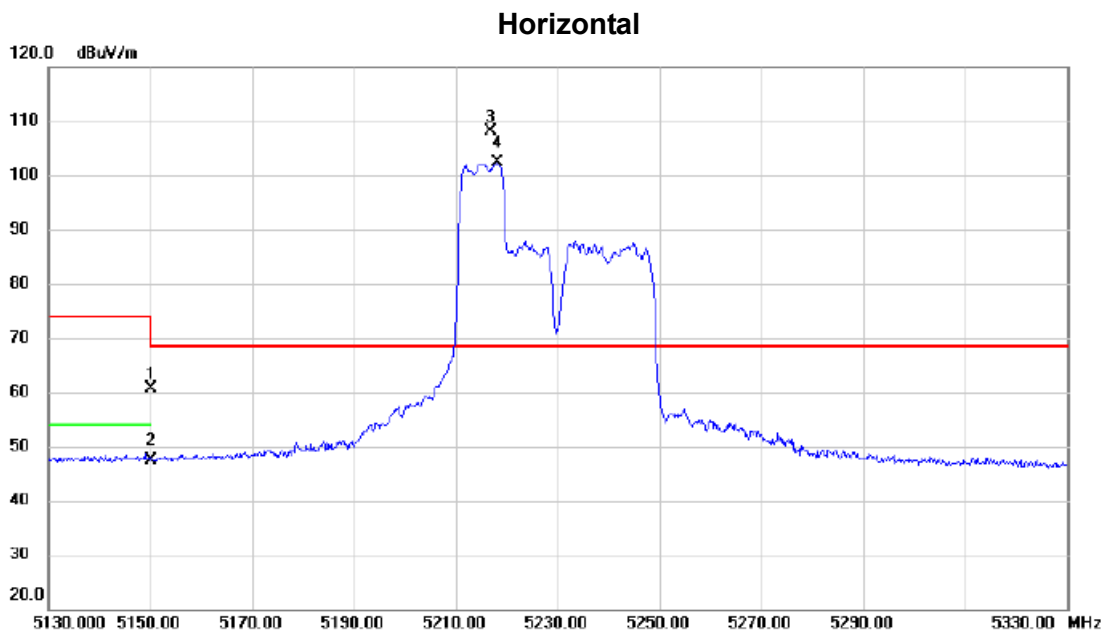
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	12499.92	45.09	2.93	48.02	54.00	-5.98	AVG	
2		12499.93	50.03	2.93	52.96	74.00	-21.04	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5230 MHz	RU configuration	106/53



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	21.57	39.07	60.64	74.00	-13.36	peak	
2		5150.000	8.29	39.07	47.36	54.00	-6.64	AVG	
3	*	5216.900	68.99	39.15	108.14	68.30	39.84	peak	No limit
4	X	5218.000	63.11	39.15	102.26	68.30	33.96	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5230 MHz	RU configuration	242/61

Horizontal



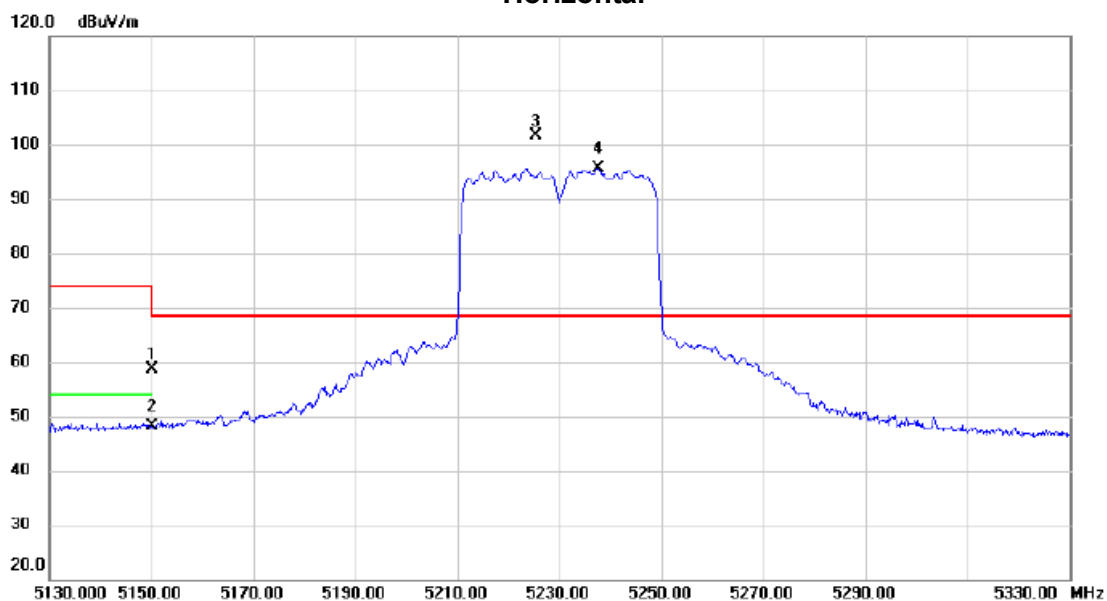
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	21.01	39.07	60.08	74.00	-13.92	peak	
2		5150.000	8.29	39.07	47.36	54.00	-6.64	AVG	
3	*	5216.900	67.58	39.15	106.73	68.30	38.43	peak	No limit
4	X	5223.300	62.09	39.16	101.25	68.30	32.95	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5230 MHz	RU configuration	484/65

Horizontal



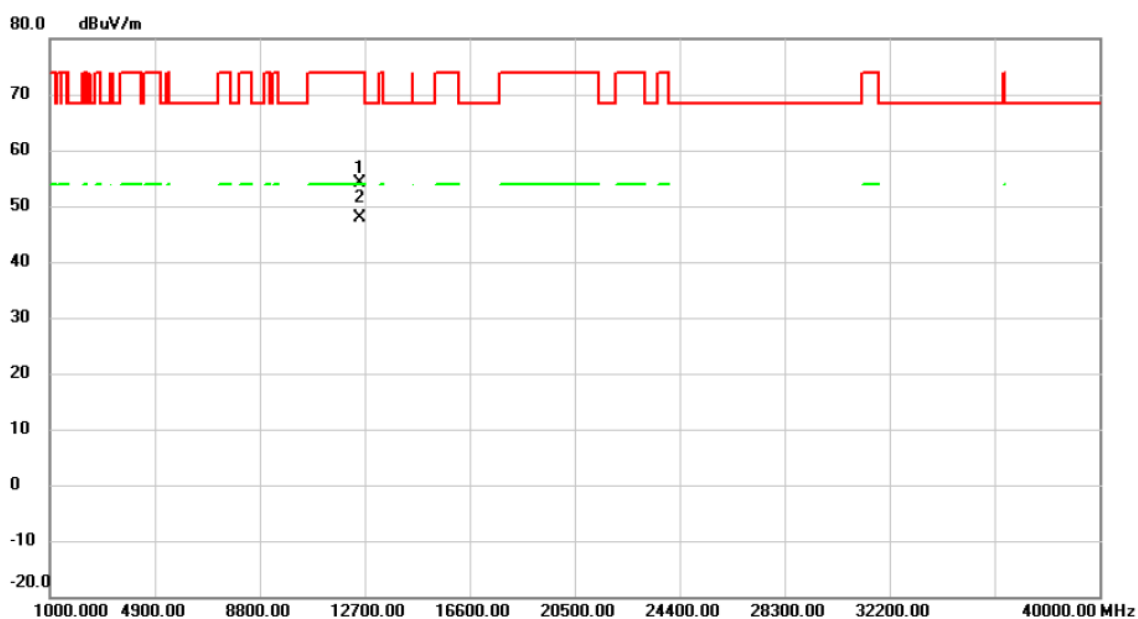
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	19.55	39.07	58.62	74.00	-15.38	peak	
2		5150.000	9.05	39.07	48.12	54.00	-5.88	AVG	
3	*	5225.400	62.35	39.17	101.52	68.30	33.22	peak	No limit
4	X	5237.500	56.47	39.18	95.65	68.30	27.35	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE40) Mode 5230 MHz	RU configuration	484/65

Horizontal



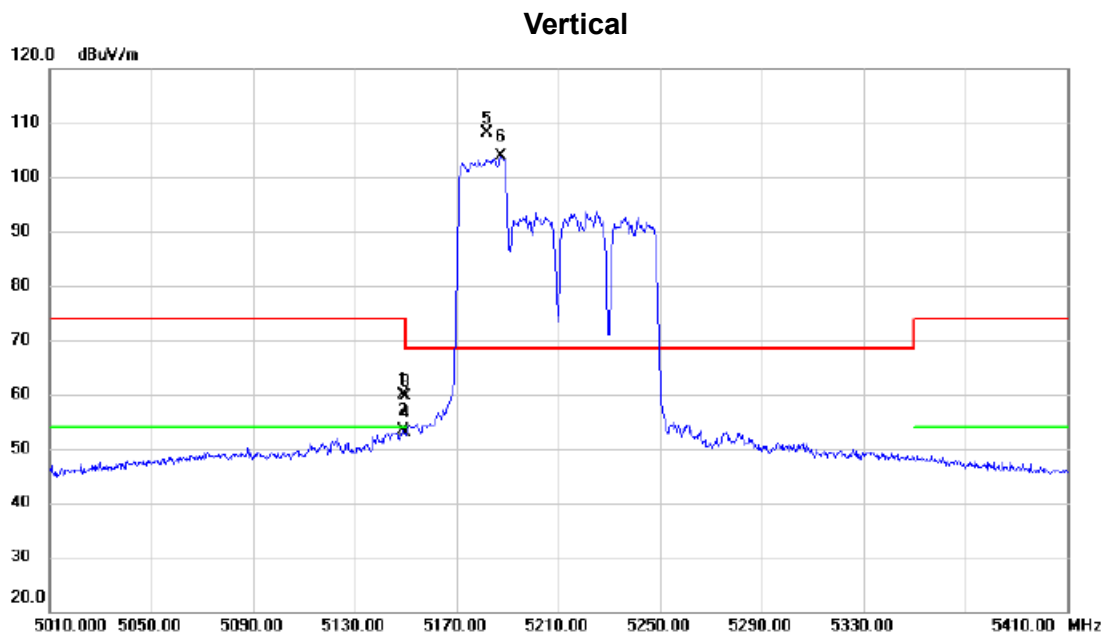
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		12499.83	51.10	2.93	54.03	74.00	-19.97	peak	
2	*	12499.93	44.94	2.93	47.87	54.00	-6.13	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE80) Mode 5210 MHz	RU configuration	242/61



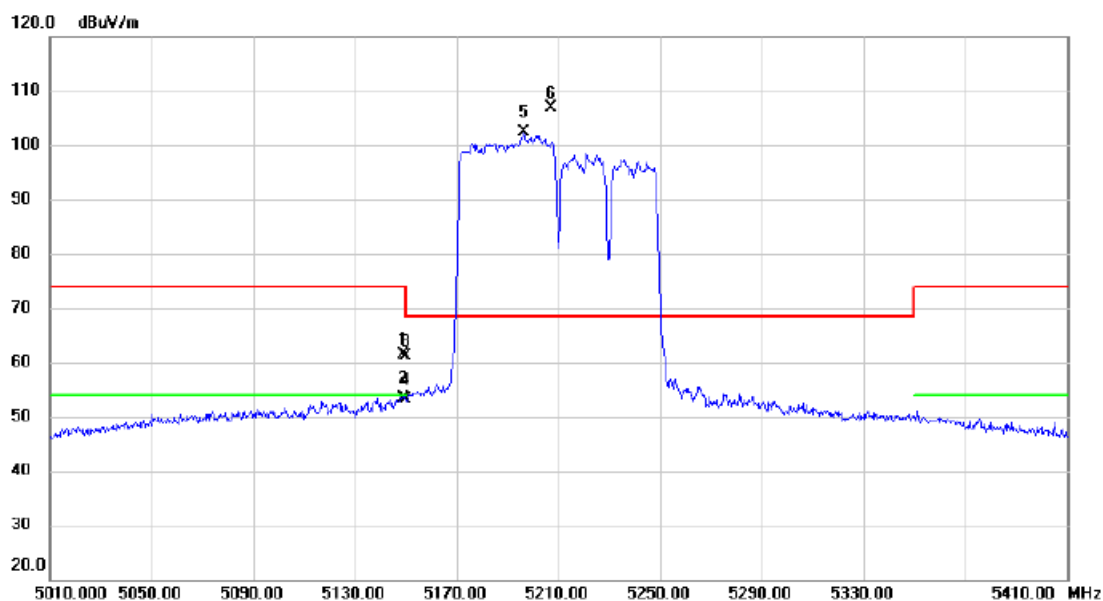
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5148.800	20.83	39.07	59.90	74.00	-14.10	peak	
2		5148.800	14.30	39.07	53.37	54.00	-0.63	AVG	
3		5150.000	20.60	39.07	59.67	74.00	-14.33	peak	
4		5150.000	13.88	39.07	52.95	54.00	-1.05	AVG	
5	*	5181.800	69.06	39.11	108.17	68.30	39.87	peak	No limit
6	X	5187.200	64.69	39.11	103.80	68.30	35.50	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE80) Mode 5210 MHz	RU configuration	484/65

Vertical



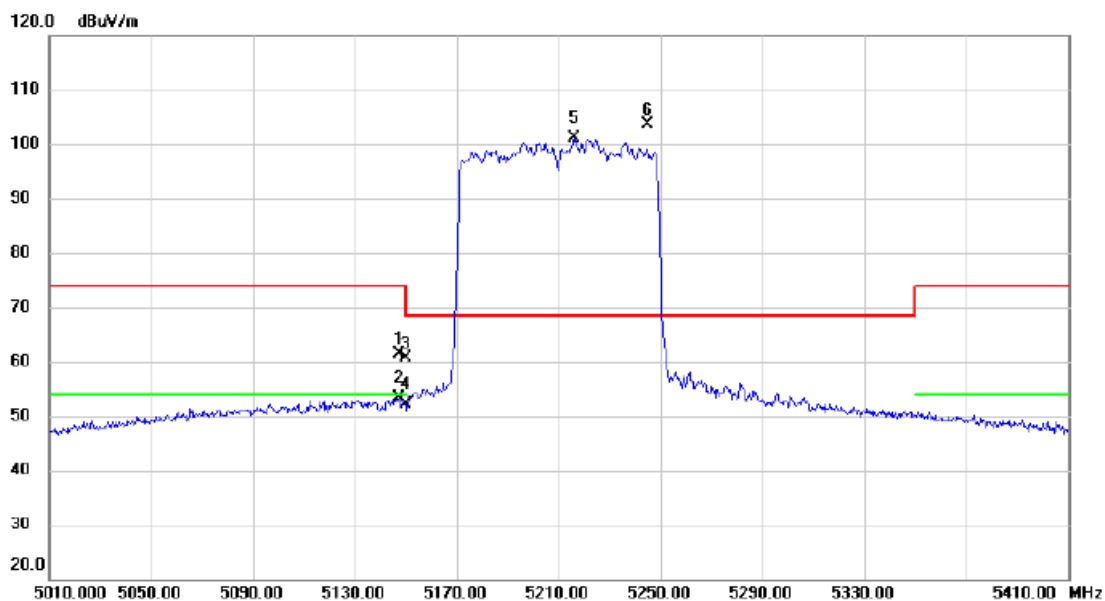
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5149.000	22.34	39.07	61.41	74.00	-12.59	peak	
2		5149.000	14.43	39.07	53.50	54.00	-0.50	AVG	
3		5150.000	22.14	39.07	61.21	74.00	-12.79	peak	
4		5150.000	14.12	39.07	53.19	54.00	-0.81	AVG	
5	X	5196.200	63.36	39.13	102.49	68.30	34.19	AVG	No limit
6	*	5207.200	67.62	39.14	106.76	68.30	38.46	peak	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE80) Mode 5210 MHz	RU configuration	996/67

Vertical



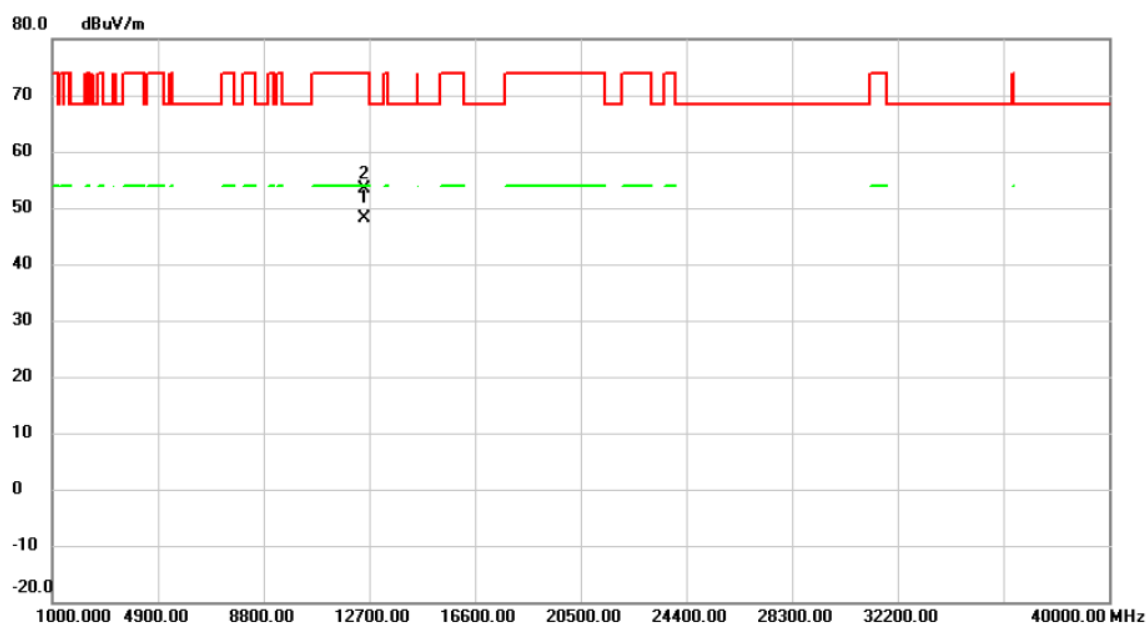
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5147.400	22.31	39.07	61.38	74.00	-12.62	peak	
2		5147.400	14.21	39.07	53.28	54.00	-0.72	AVG	
3		5150.000	21.56	39.07	60.63	74.00	-13.37	peak	
4		5150.000	13.11	39.07	52.18	54.00	-1.82	AVG	
5	X	5216.000	61.94	39.15	101.09	68.30	32.79	AVG	No limit
6	*	5244.800	64.33	39.19	103.52	68.30	35.22	peak	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE80) Mode 5210 MHz	RU configuration	996/67

Vertical



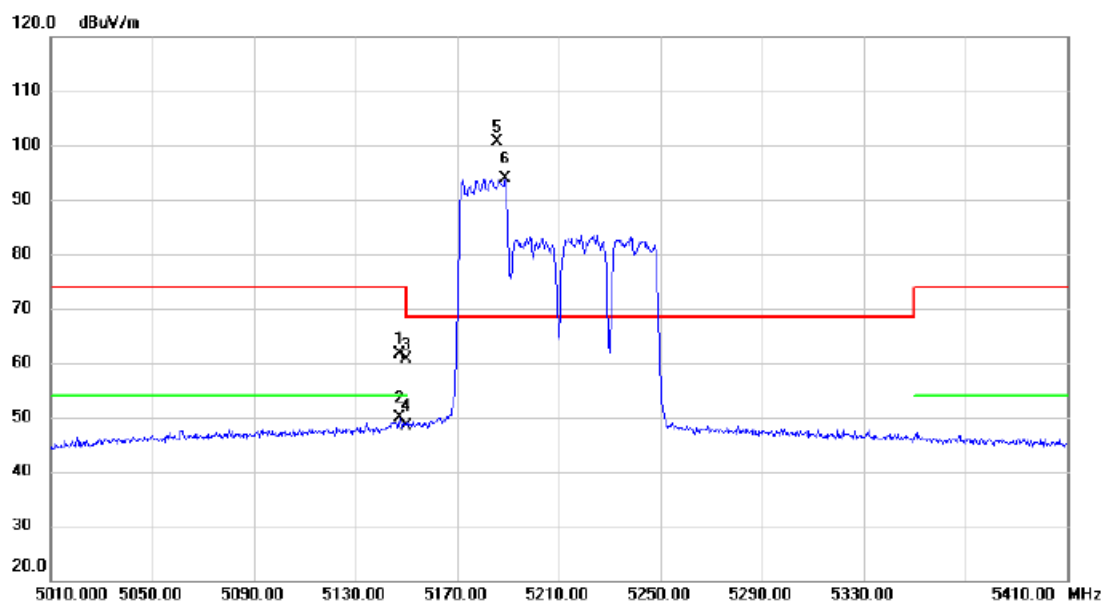
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	12499.89	45.21	2.93	48.14	54.00	-5.86	AVG	
2		12500.03	50.51	2.93	53.44	74.00	-20.56	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE80) Mode 5210 MHz	RU configuration	242/61

Horizontal



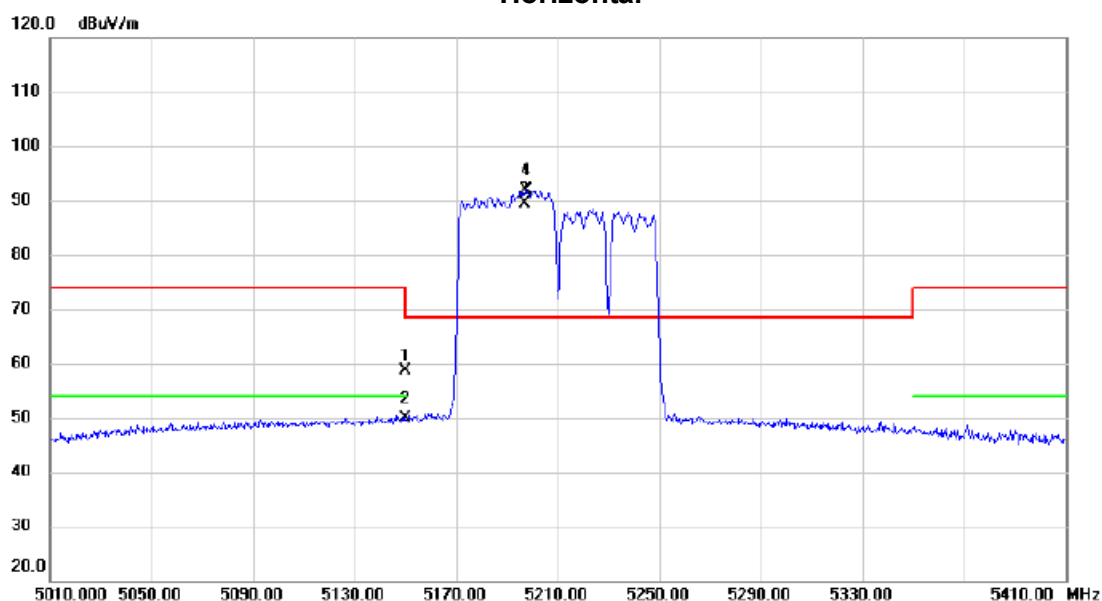
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5147.400	22.57	39.07	61.64	74.00	-12.36	peak	
2		5147.400	10.69	39.07	49.76	54.00	-4.24	AVG	
3		5150.000	21.56	39.07	60.63	74.00	-13.37	peak	
4		5150.000	9.41	39.07	48.48	54.00	-5.52	AVG	
5	*	5185.800	61.55	39.11	100.66	68.30	32.36	peak	No limit
6	X	5188.800	54.68	39.11	93.79	68.30	25.49	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE80) Mode 5210 MHz	RU configuration	484/65

Horizontal



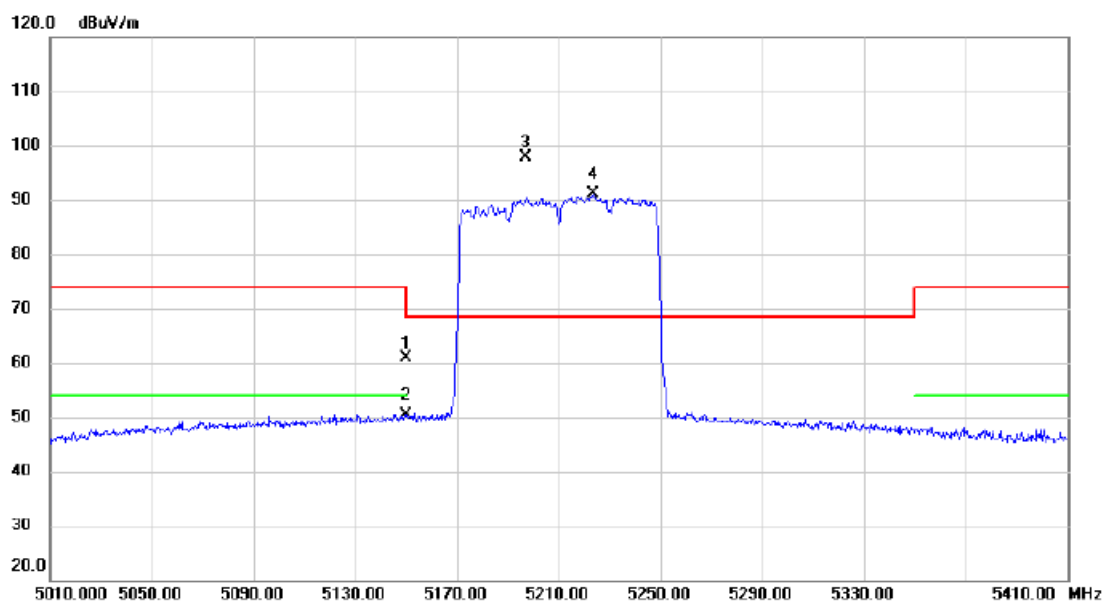
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	19.67	39.07	58.74	74.00	-15.26	peak	
2		5150.000	10.74	39.07	49.81	54.00	-4.19	AVG	
3	X	5197.000	50.14	39.13	89.27	68.30	20.97	peak	No limit
4	*	5197.600	52.83	39.13	91.96	68.30	23.66	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE80) Mode 5210 MHz	RU configuration	996/67

Horizontal

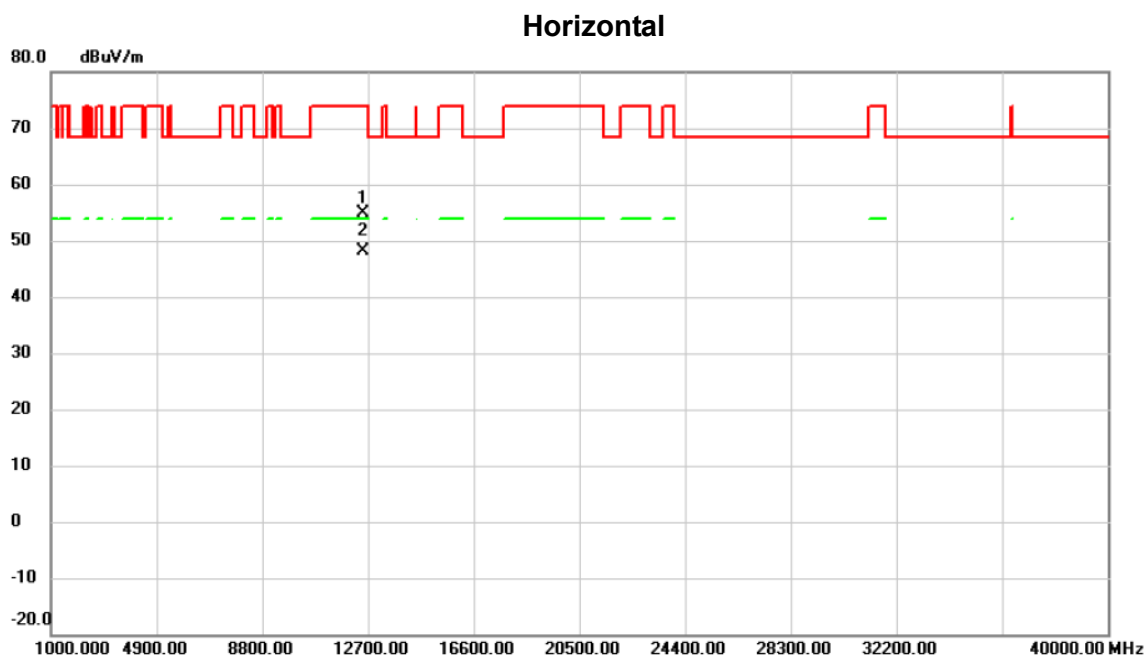


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	21.70	39.07	60.77	74.00	-13.23	peak	
2		5150.000	11.19	39.07	50.26	54.00	-3.74	AVG	
3	*	5197.000	58.83	39.13	97.96	68.30	29.66	peak	No limit
4	X	5223.600	52.01	39.16	91.17	68.30	22.87	AVG	No limit

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE80) Mode 5210 MHz	RU configuration	996/67



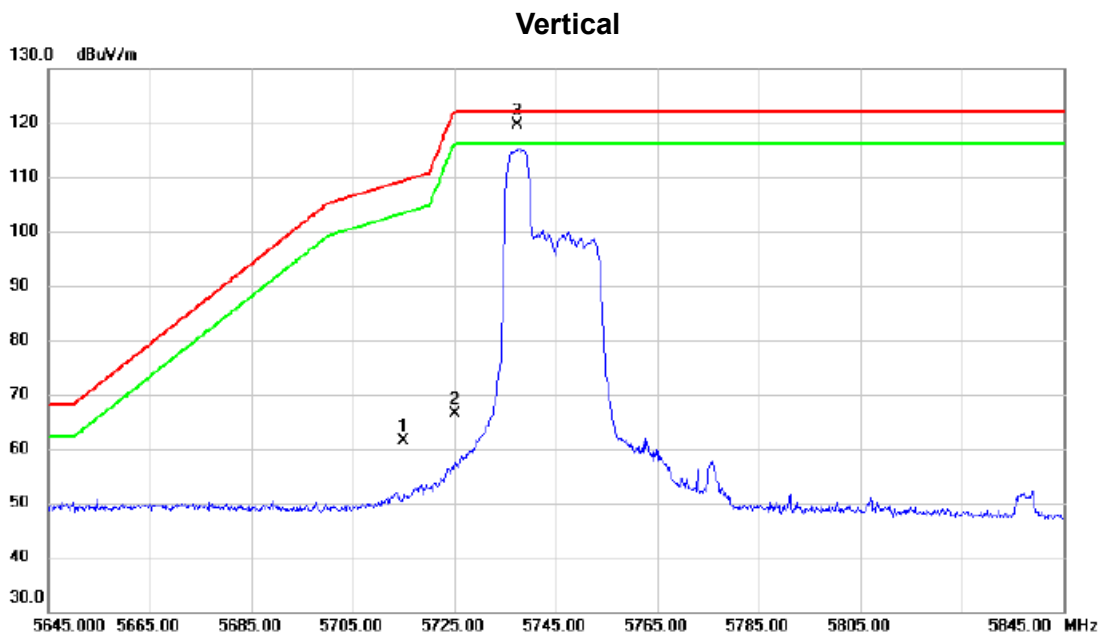
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		12499.72	52.07	2.93	55.00	74.00	-19.00	peak	
2	*	12499.90	45.13	2.93	48.06	54.00	-5.94	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5745 MHz	RU configuration	52/37

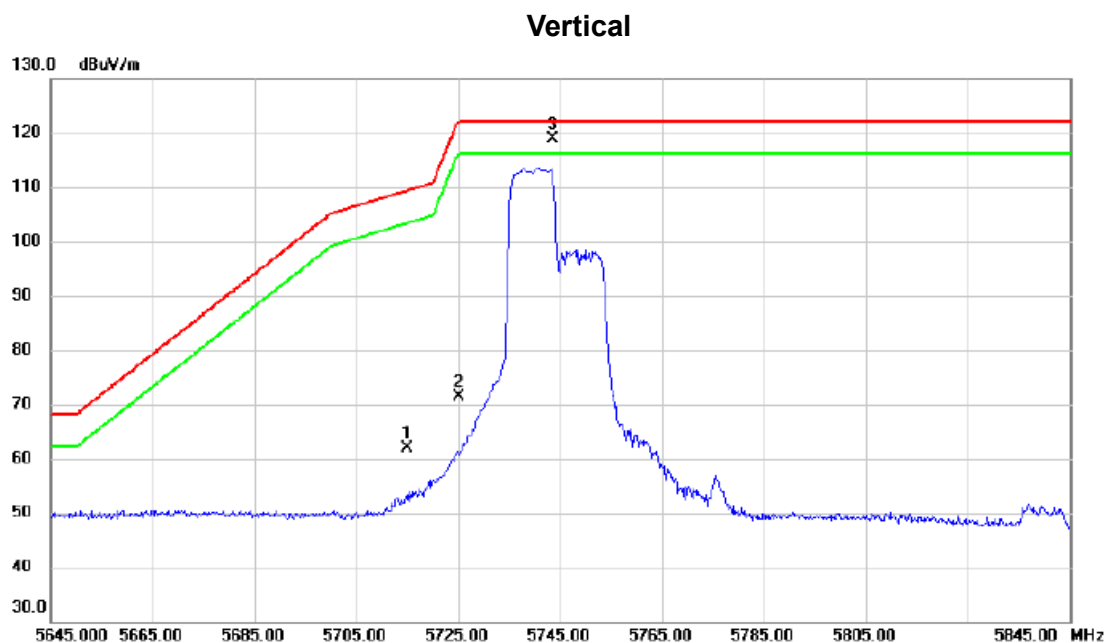


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5715.000	21.39	40.02	61.41	109.40	-47.99	peak	
2		5725.000	26.32	40.05	66.37	122.20	-55.83	peak	
3	*	5737.500	79.45	40.08	119.53	122.20	-2.67	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5745 MHz	RU configuration	106/53



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5715.000	21.88	40.02	61.90	109.40	-47.50	peak	
2		5725.000	31.35	40.05	71.40	122.20	-50.80	peak	
3	*	5743.500	78.86	40.09	118.95	122.20	-3.25	peak	

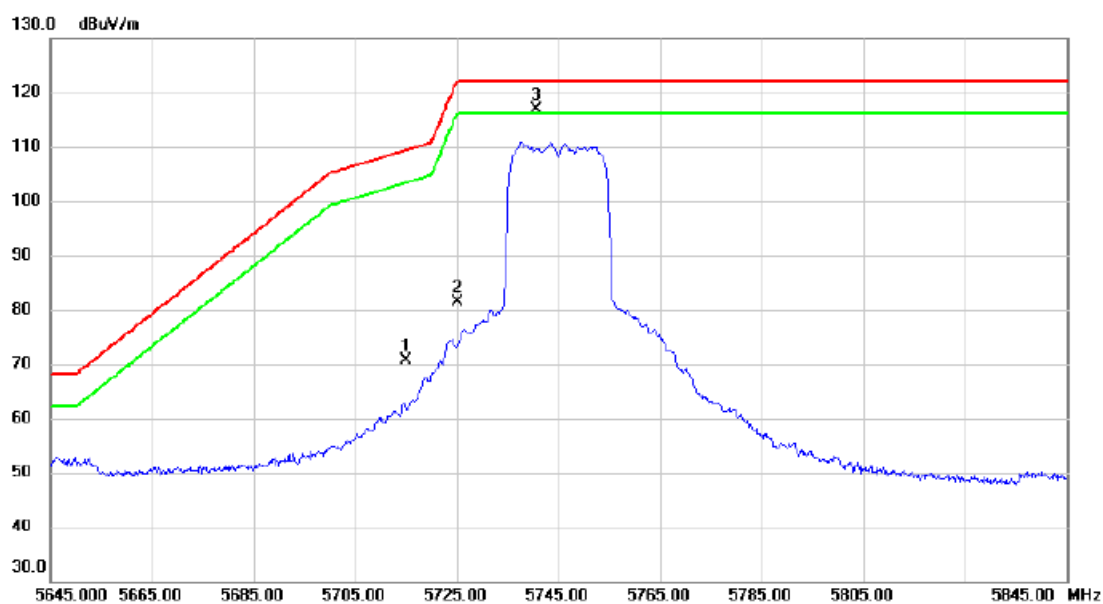
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5745 MHz	RU configuration	242/61

Vertical



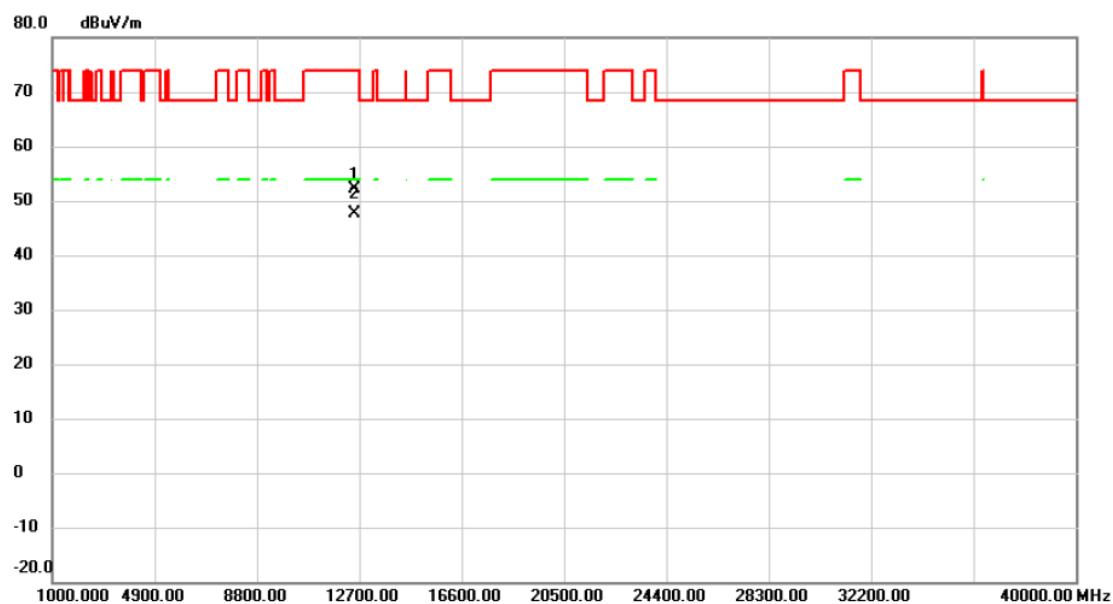
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	30.61	40.02	70.63	109.40	-38.77	peak	
2		5725.000	41.29	40.05	81.34	122.20	-40.86	peak	
3	*	5740.500	76.92	40.08	117.00	122.20	-5.20	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5745 MHz	RU configuration	242/61

Vertical

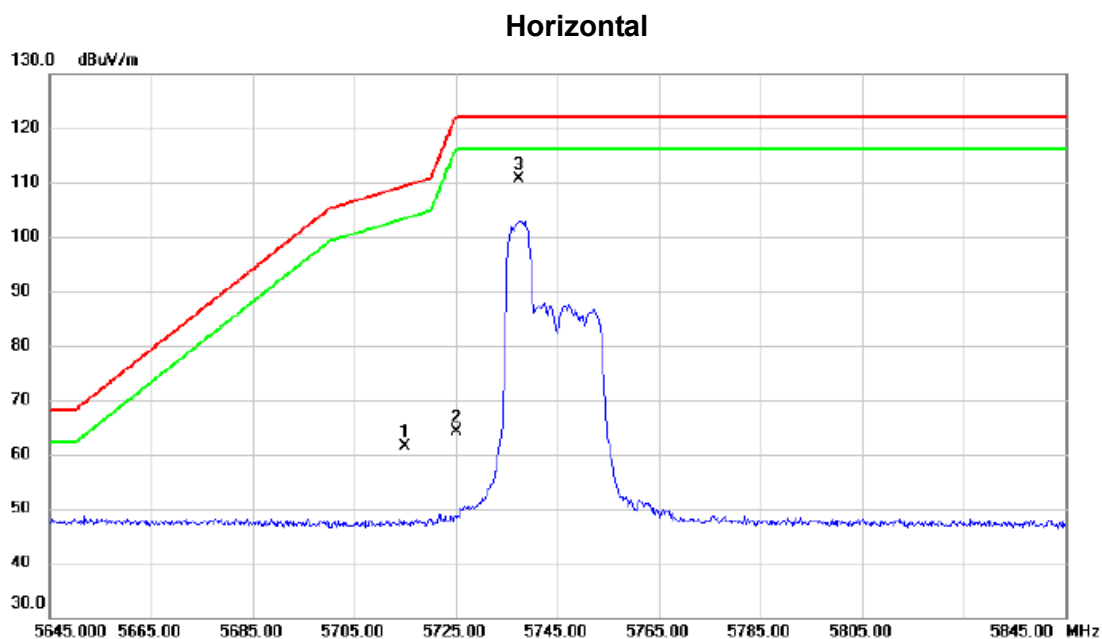


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		12499.63	49.09	2.93	52.02	74.00	-21.98	peak	
2	*	12499.84	44.68	2.93	47.61	54.00	-6.39	AVG	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5745 MHz	RU configuration	52/37



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	21.46	40.02	61.48	109.40	-47.92	peak	
2		5725.000	24.09	40.05	64.14	122.20	-58.06	peak	
3	*	5737.500	70.54	40.08	110.62	122.20	-11.58	peak	

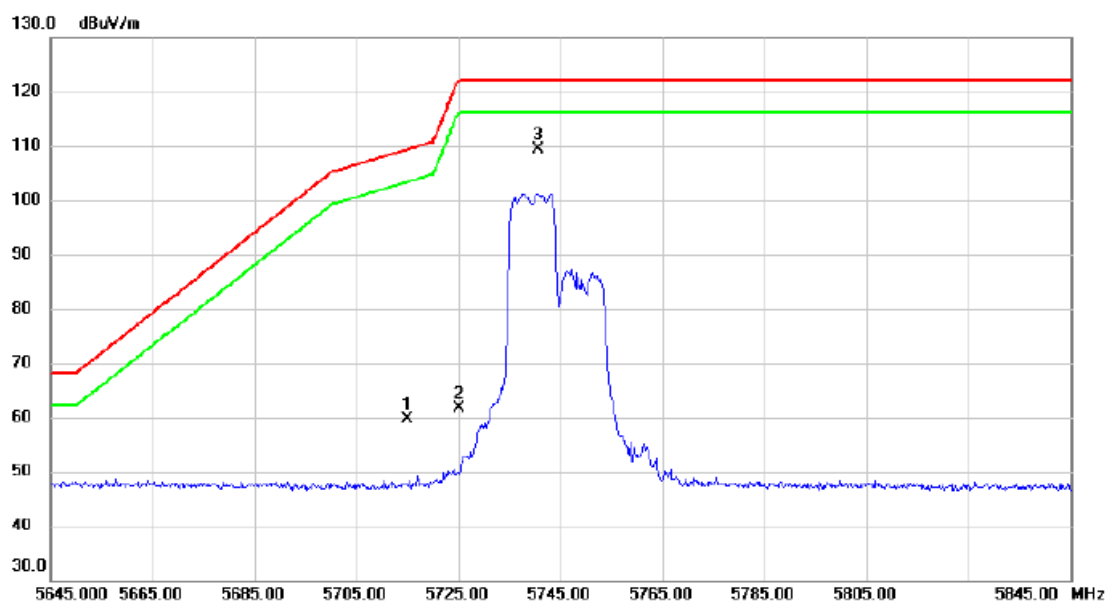
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5745 MHz	RU configuration	106/53

Horizontal



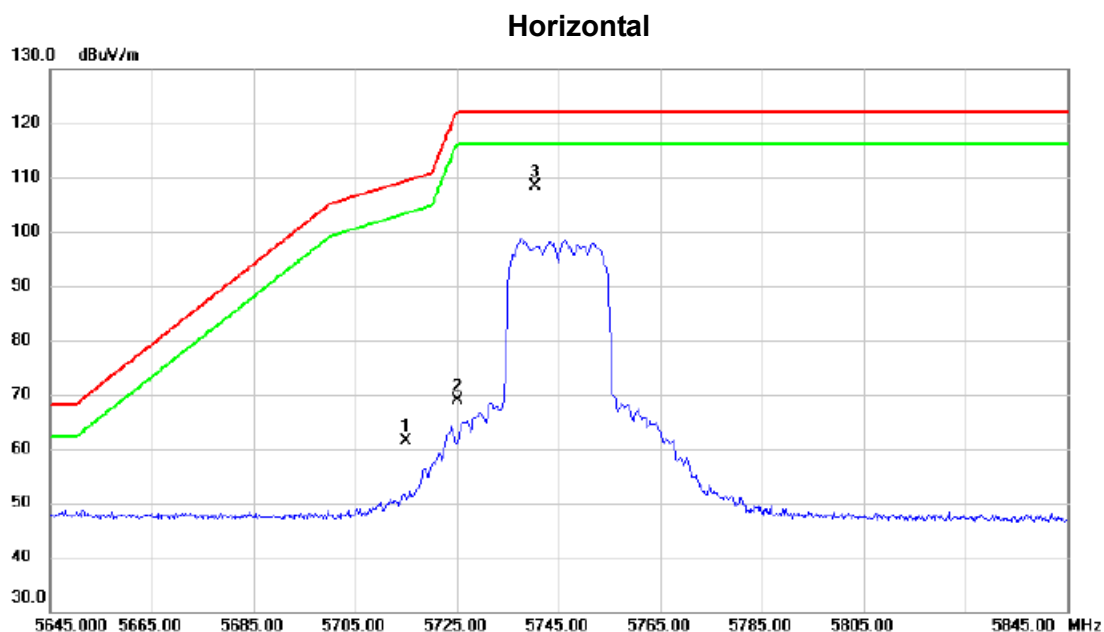
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5715.000	19.53	40.02	59.55	109.40	-49.85	peak	
2		5725.000	21.58	40.05	61.63	122.20	-60.57	peak	
3	*	5740.700	69.28	40.08	109.36	122.20	-12.84	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5745 MHz	RU configuration	242/61



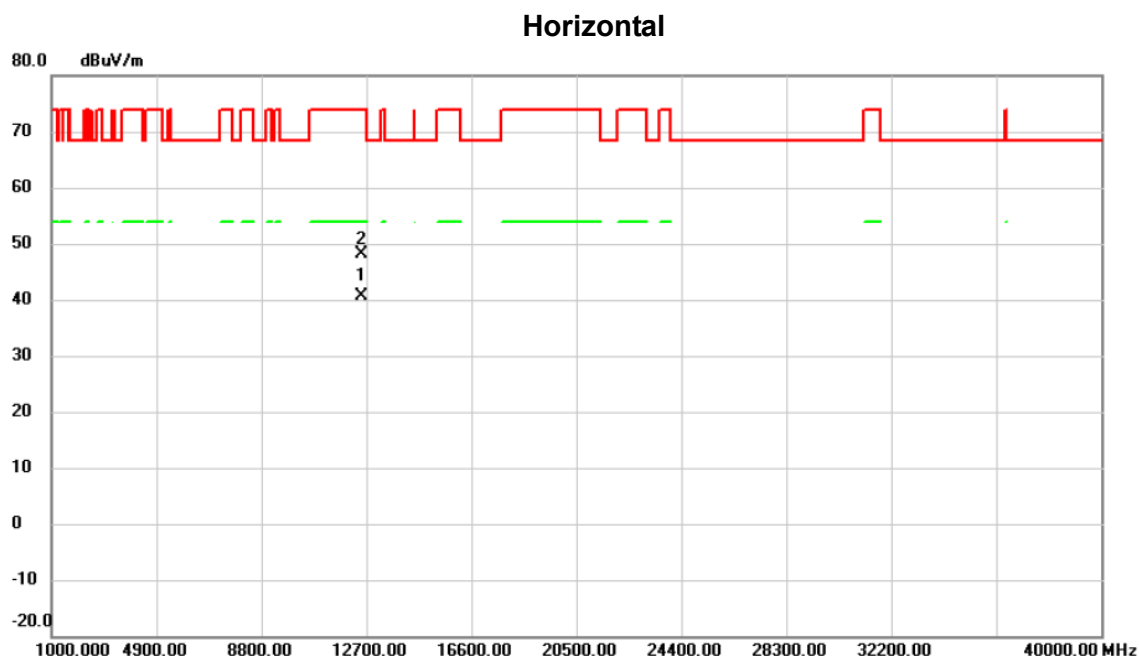
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	21.46	40.02	61.48	109.40	-47.92	peak	
2		5725.000	28.90	40.05	68.95	122.20	-53.25	peak	
3	*	5740.300	68.37	40.08	108.45	122.20	-13.75	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5745 MHz	RU configuration	242/61

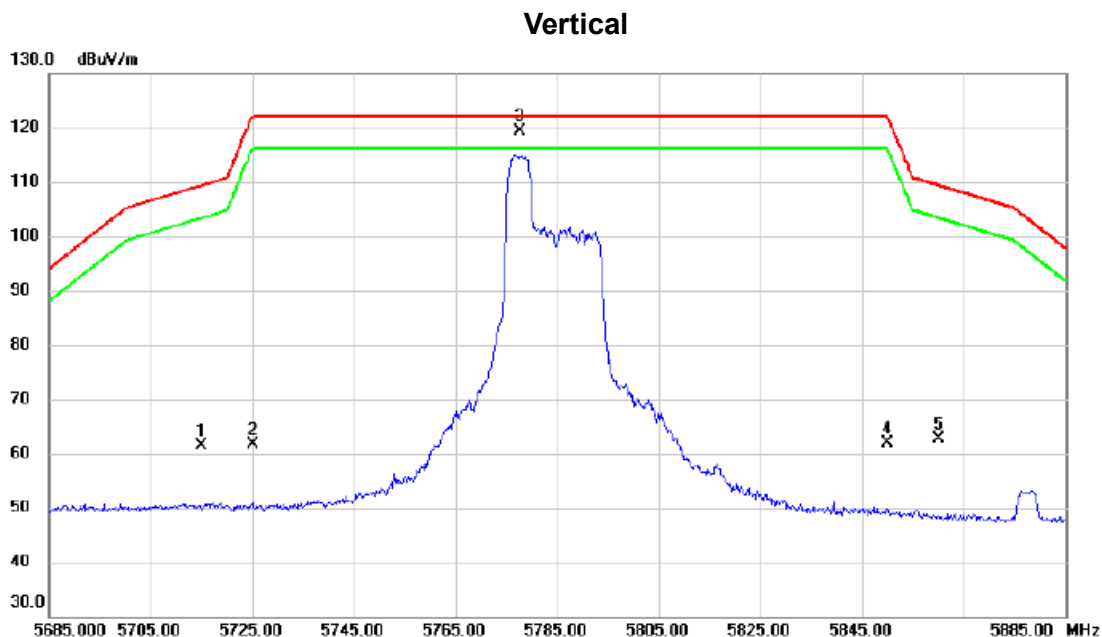


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12499.91	37.60	2.93	40.53	54.00	-13.47	AVG	
2		12500.10	45.26	2.93	48.19	74.00	-25.81	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5785 MHz	RU configuration	52/37



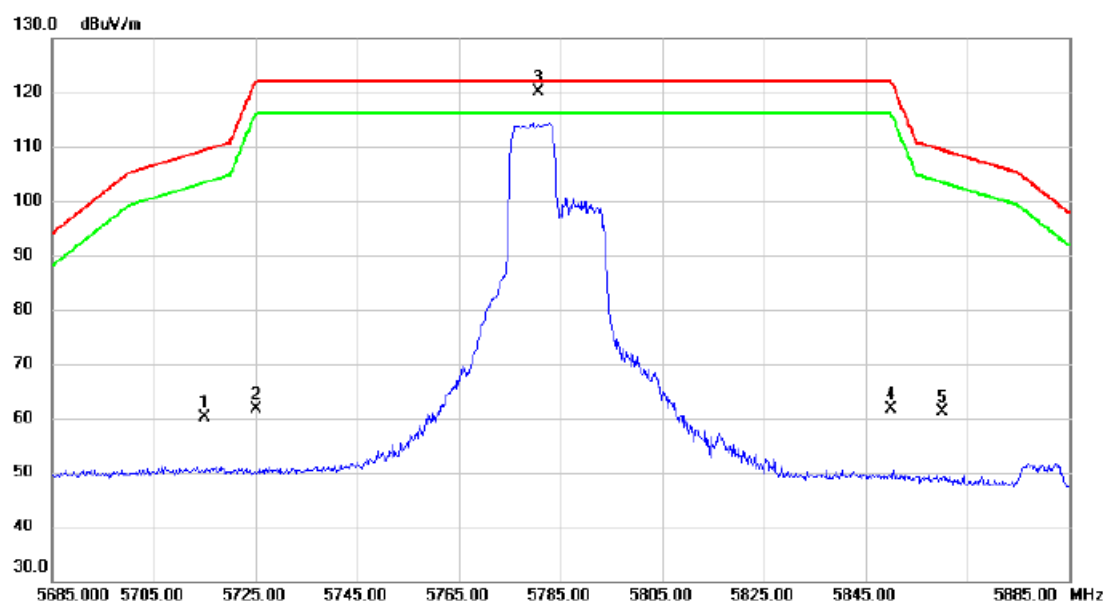
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	21.32	40.02	61.34	109.40	-48.06	peak	
2		5725.000	21.54	40.05	61.59	122.20	-60.61	peak	
3	*	5777.600	79.30	40.17	119.47	122.20	-2.73	peak	
4		5850.000	21.48	40.34	61.82	122.20	-60.38	peak	
5		5860.000	22.27	40.36	62.63	109.40	-46.77	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5785 MHz	RU configuration	106/53

Vertical



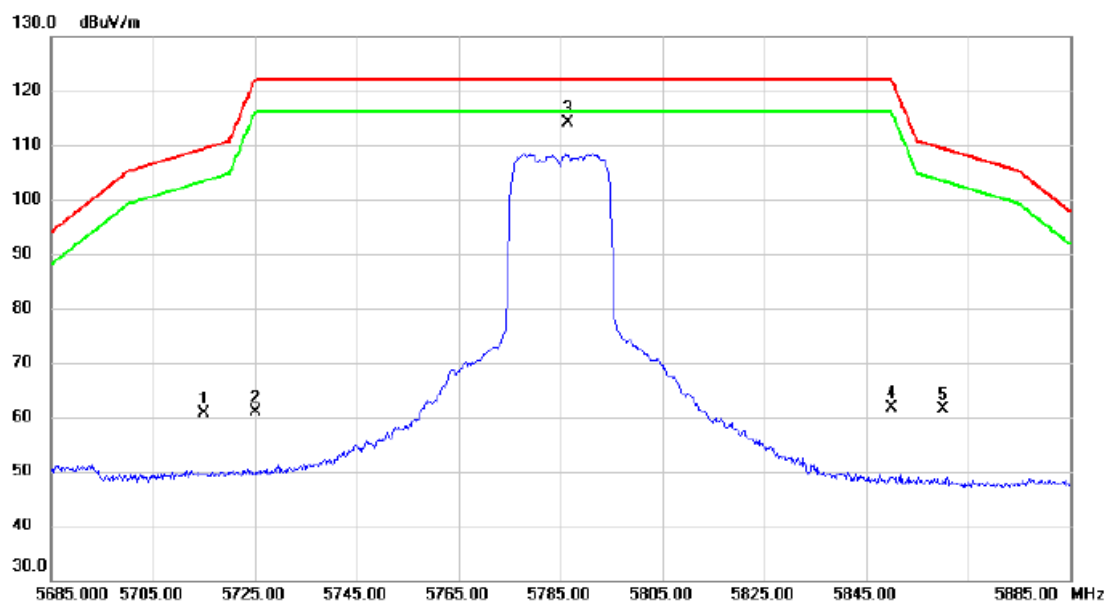
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	19.99	40.02	60.01	109.40	-49.39	peak	
2		5725.000	21.62	40.05	61.67	122.20	-60.53	peak	
3	*	5780.600	79.88	40.18	120.06	122.20	-2.14	peak	
4		5850.000	21.38	40.34	61.72	122.20	-60.48	peak	
5		5860.000	20.89	40.36	61.25	109.40	-48.15	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5785 MHz	RU configuration	242/61

Vertical



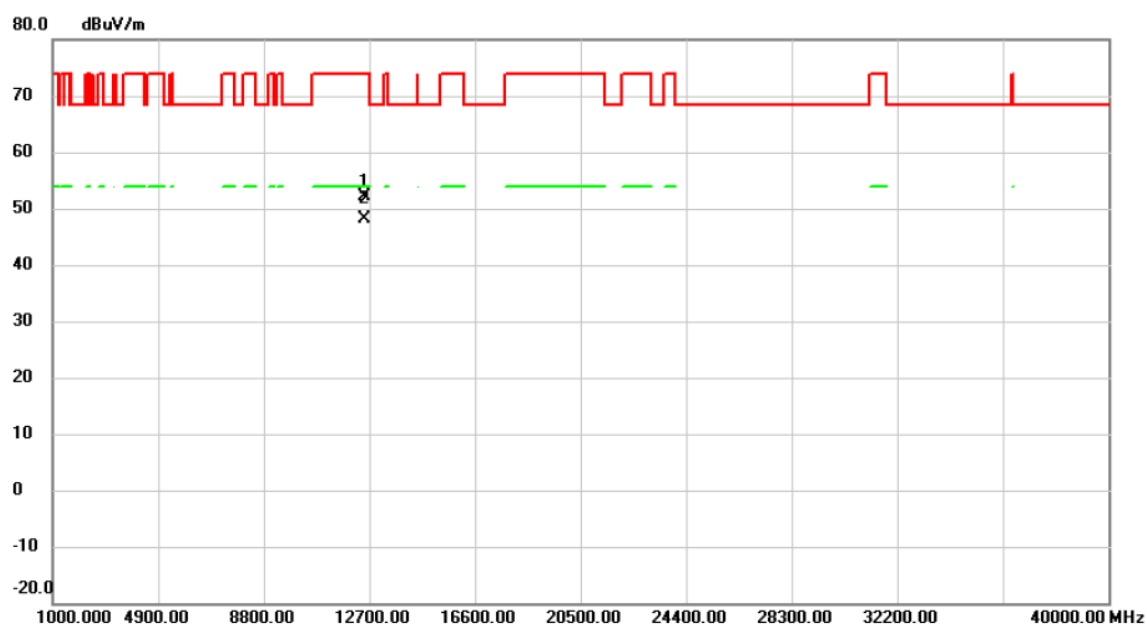
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	20.52	40.02	60.54	109.40	-48.86	peak	
2		5725.000	20.72	40.05	60.77	122.20	-61.43	peak	
3	*	5786.500	73.96	40.19	114.15	122.20	-8.05	peak	
4		5850.000	21.21	40.34	61.55	122.20	-60.65	peak	
5		5860.000	20.95	40.36	61.31	109.40	-48.09	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5785 MHz	RU configuration	242/61

Vertical



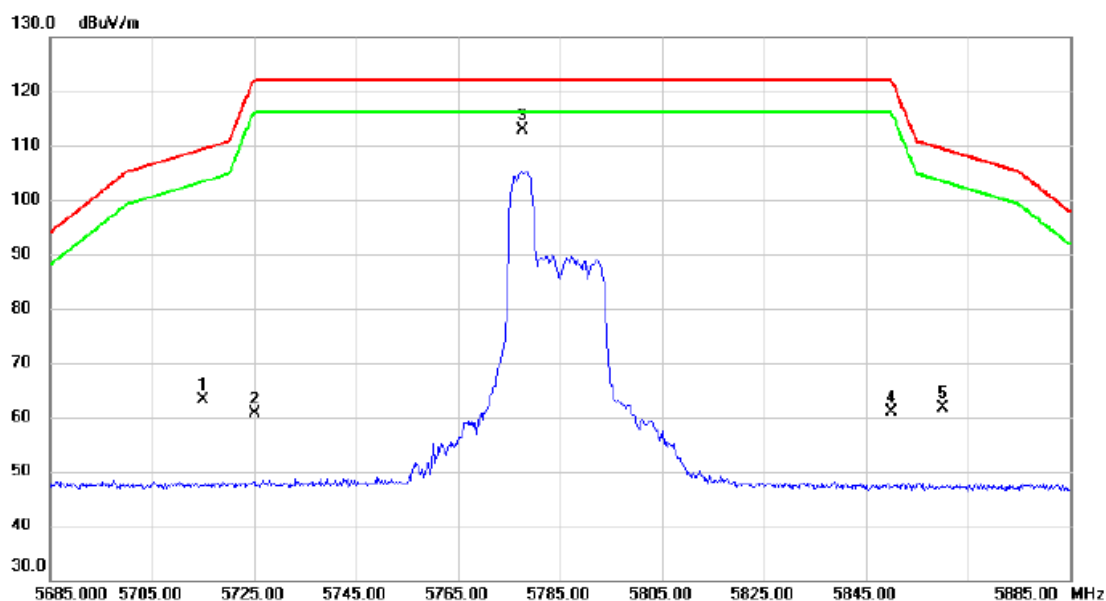
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		12499.93	49.19	2.93	52.12	74.00	-21.88	peak	
2	*	12499.94	45.08	2.93	48.01	54.00	-5.99	AVG	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5785 MHz	RU configuration	52/37

Horizontal



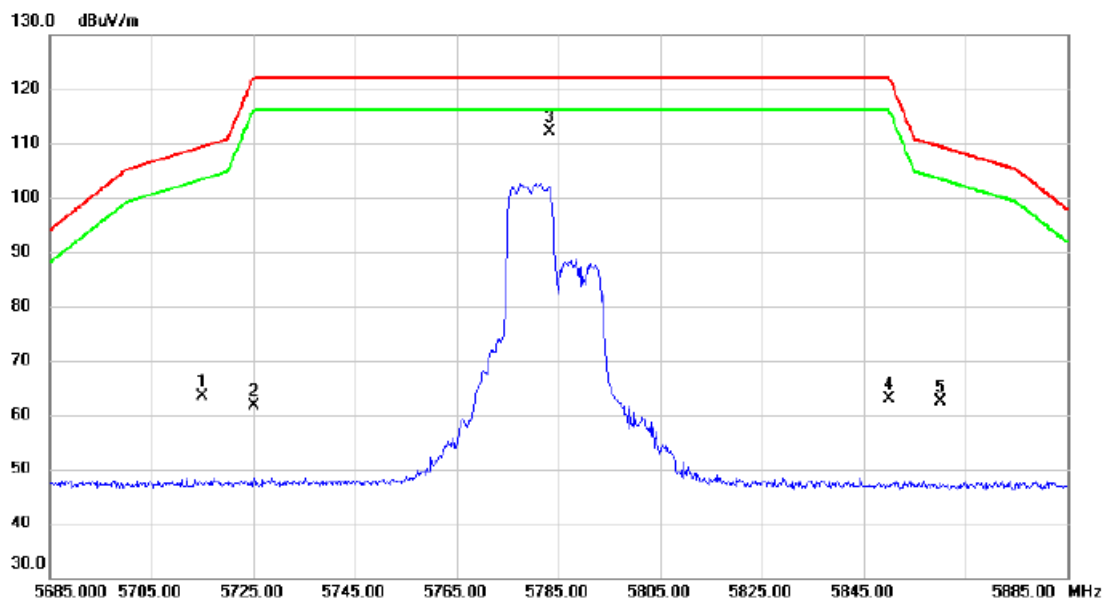
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	23.02	40.02	63.04	109.40	-46.36	peak	
2		5725.000	20.69	40.05	60.74	122.20	-61.46	peak	
3	*	5777.600	72.63	40.17	112.80	122.20	-9.40	peak	
4		5850.000	20.65	40.34	60.99	122.20	-61.21	peak	
5		5860.000	21.37	40.36	61.73	109.40	-47.67	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5785 MHz	RU configuration	106/53

Horizontal

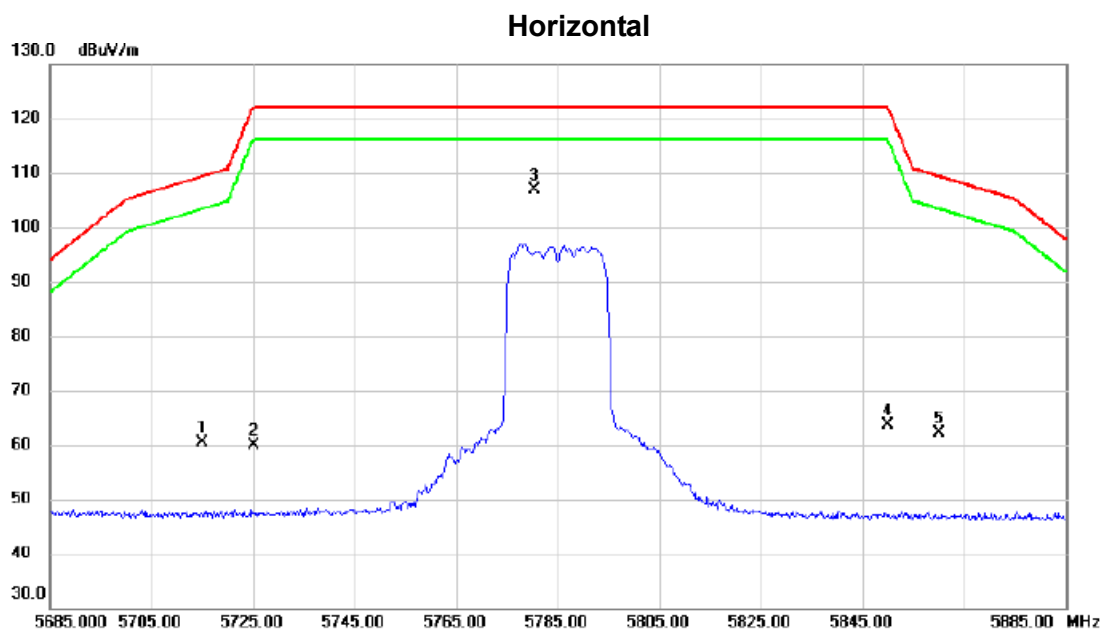


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	23.30	40.02	63.32	109.40	-46.08	peak	
2		5725.000	21.68	40.05	61.73	122.20	-60.47	peak	
3	*	5783.300	71.84	40.18	112.02	122.20	-10.18	peak	
4		5850.000	22.49	40.34	62.83	122.20	-59.37	peak	
5		5860.000	22.08	40.36	62.44	109.40	-46.96	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5785 MHz	RU configuration	242/61

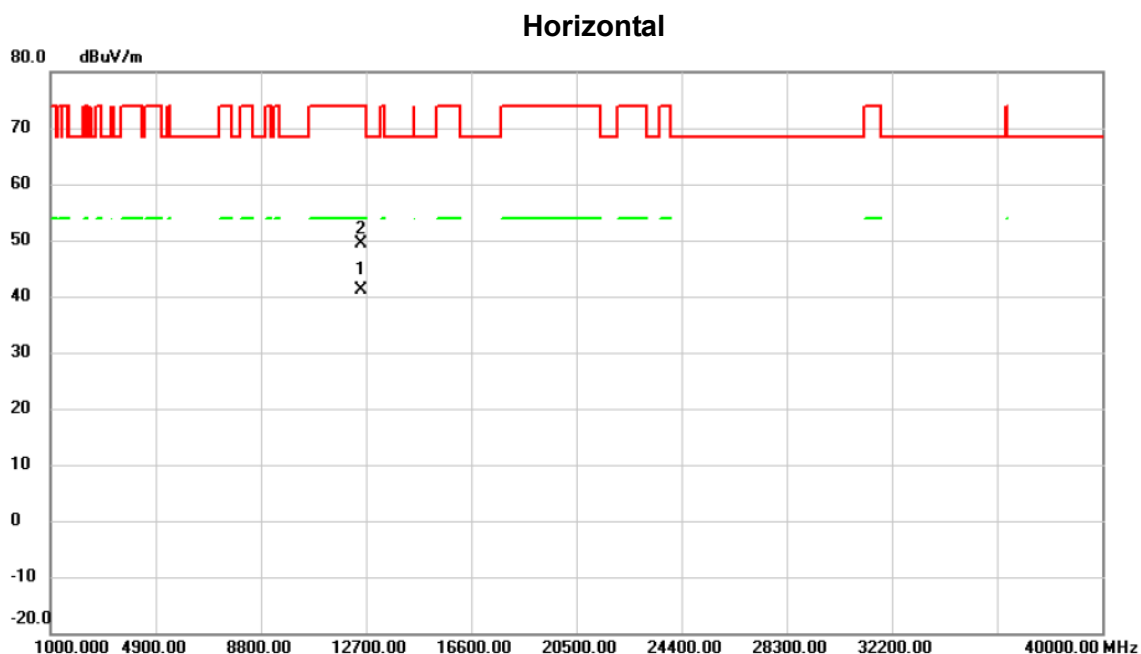


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	20.29	40.02	60.31	109.40	-49.09	peak	
2		5725.000	19.80	40.05	59.85	122.20	-62.35	peak	
3	*	5780.400	66.59	40.18	106.77	122.20	-15.43	peak	
4		5850.000	23.18	40.34	63.52	122.20	-58.68	peak	
5		5860.000	21.73	40.36	62.09	109.40	-47.31	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5785 MHz	RU configuration	242/61



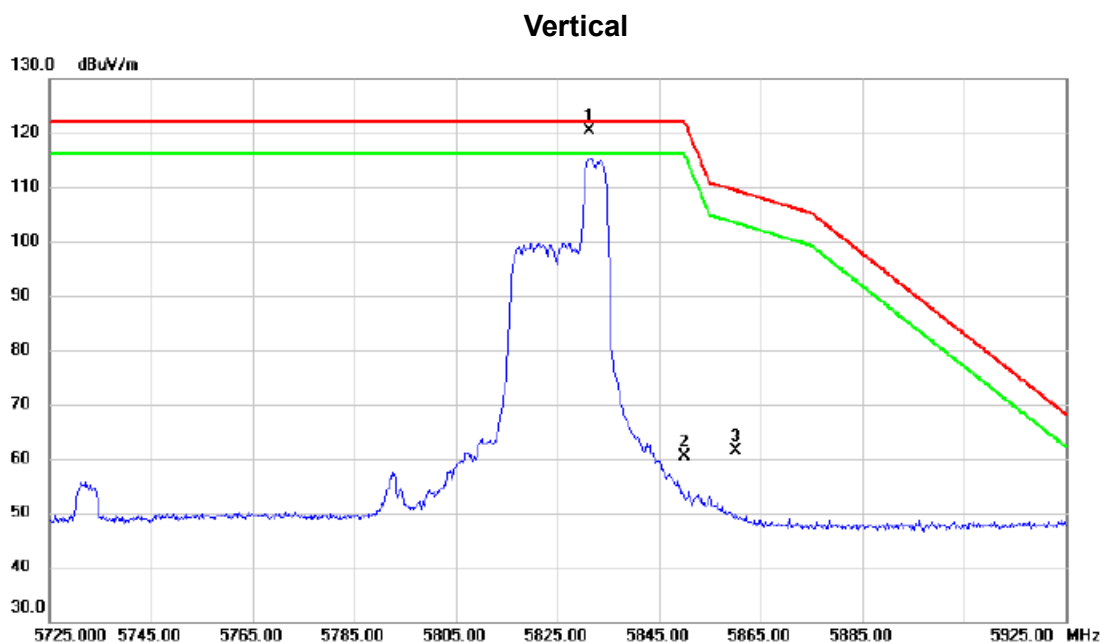
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	12500.02	38.23	2.93	41.16	54.00	-12.84	AVG	
2		12500.05	46.33	2.93	49.26	74.00	-24.74	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5825 MHz	RU configuration	52/40



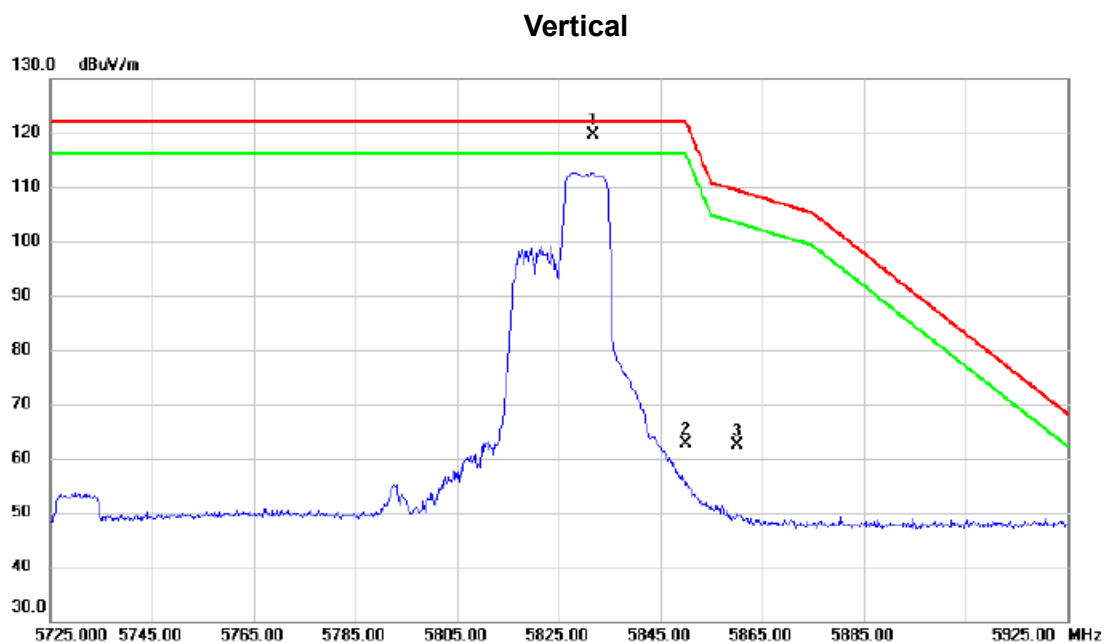
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5831.400	80.20	40.30	120.50	122.20	-1.70	peak	
2		5850.000	20.14	40.34	60.48	122.20	-61.72	peak	
3		5860.000	21.04	40.36	61.40	109.40	-48.00	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5825 MHz	RU configuration	106/54

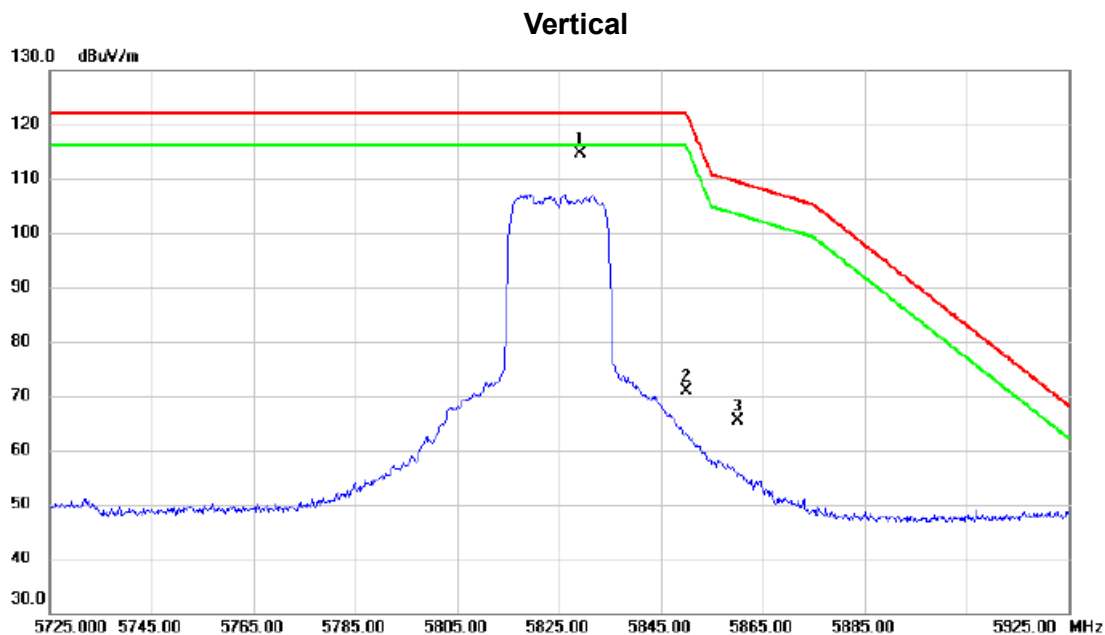


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5831.800	79.38	40.30	119.68	122.20	-2.52	peak	
2		5850.000	22.41	40.34	62.75	122.20	-59.45	peak	
3		5860.000	21.96	40.36	62.32	109.40	-47.08	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5825 MHz	RU configuration	242/61



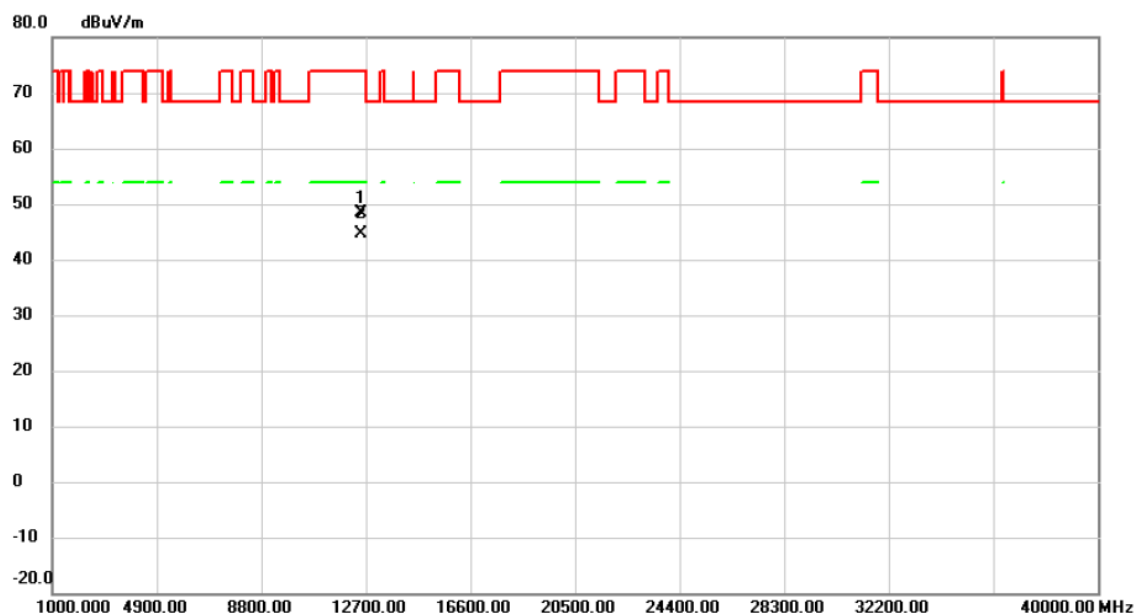
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5829.000	74.38	40.29	114.67	122.20	-7.53	peak	
2		5850.000	30.56	40.34	70.90	122.20	-51.30	peak	
3		5860.000	25.05	40.36	65.41	109.40	-43.99	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5825 MHz	RU configuration	242/61

Vertical



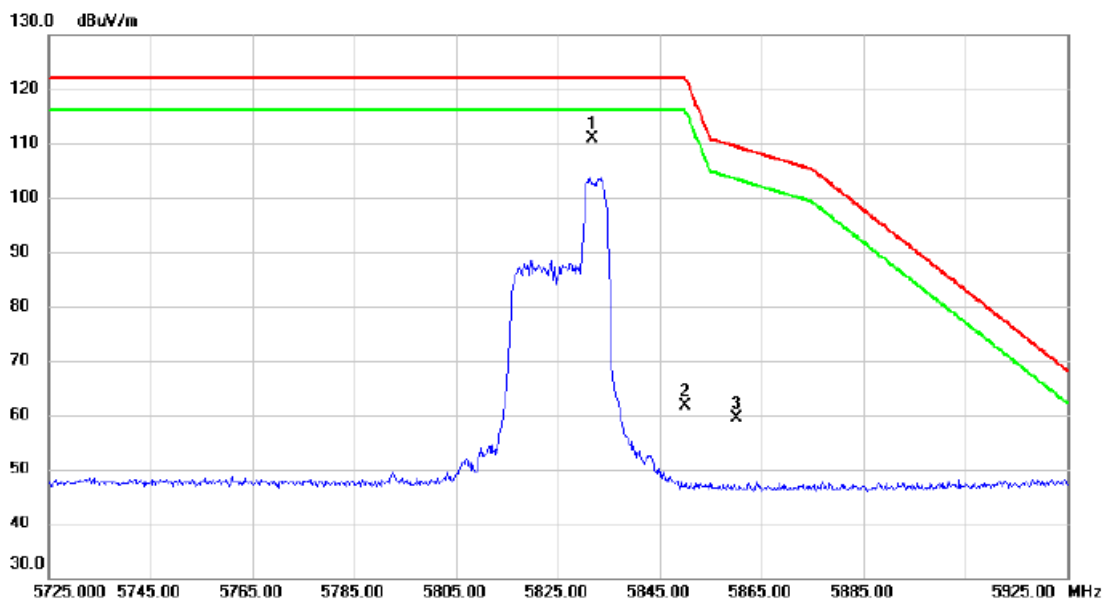
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		12499.44	45.56	2.93	48.49	74.00	-25.51	peak	
2	*	12499.87	41.76	2.93	44.69	54.00	-9.31	AVG	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5825 MHz	RU configuration	52/40

Horizontal



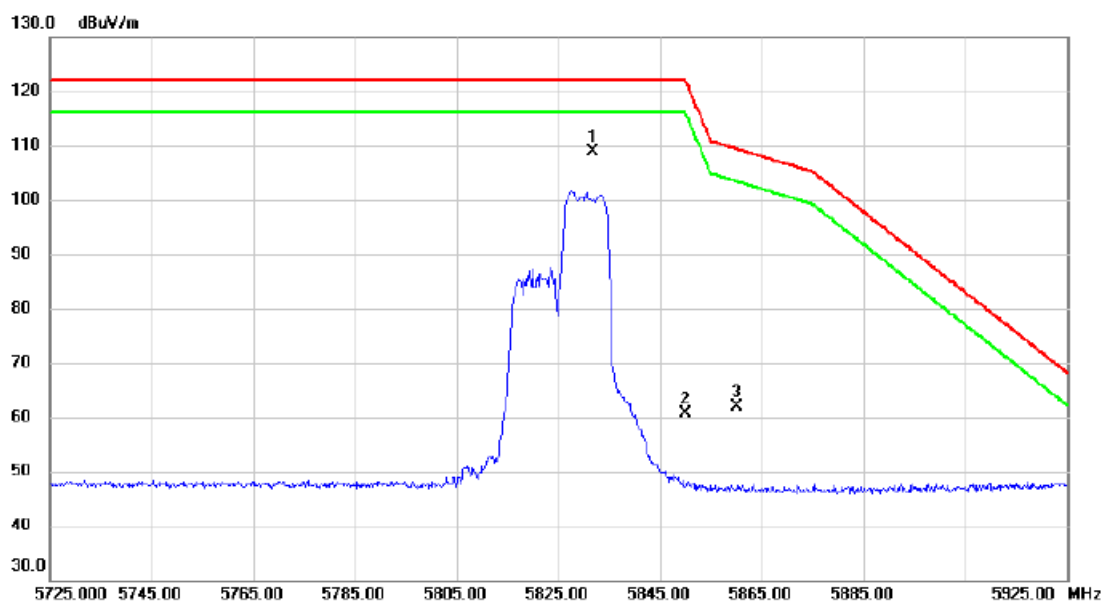
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5831.800	70.65	40.30	110.95	122.20	-11.25	peak	
2		5850.000	21.28	40.34	61.62	122.20	-60.58	peak	
3		5860.000	18.98	40.36	59.34	109.40	-50.06	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5825 MHz	RU configuration	106/54

Horizontal

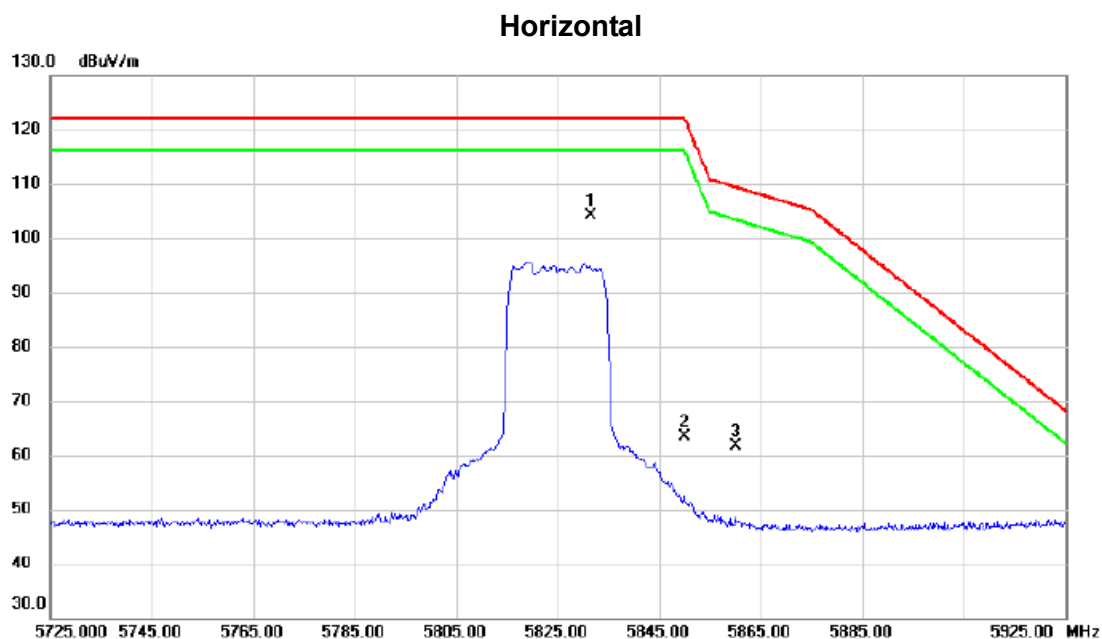


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5831.800	68.53	40.30	108.83	122.20	-13.37	peak	
2		5850.000	20.38	40.34	60.72	122.20	-61.48	peak	
3		5860.000	21.61	40.36	61.97	109.40	-47.43	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5825 MHz	RU configuration	242/61



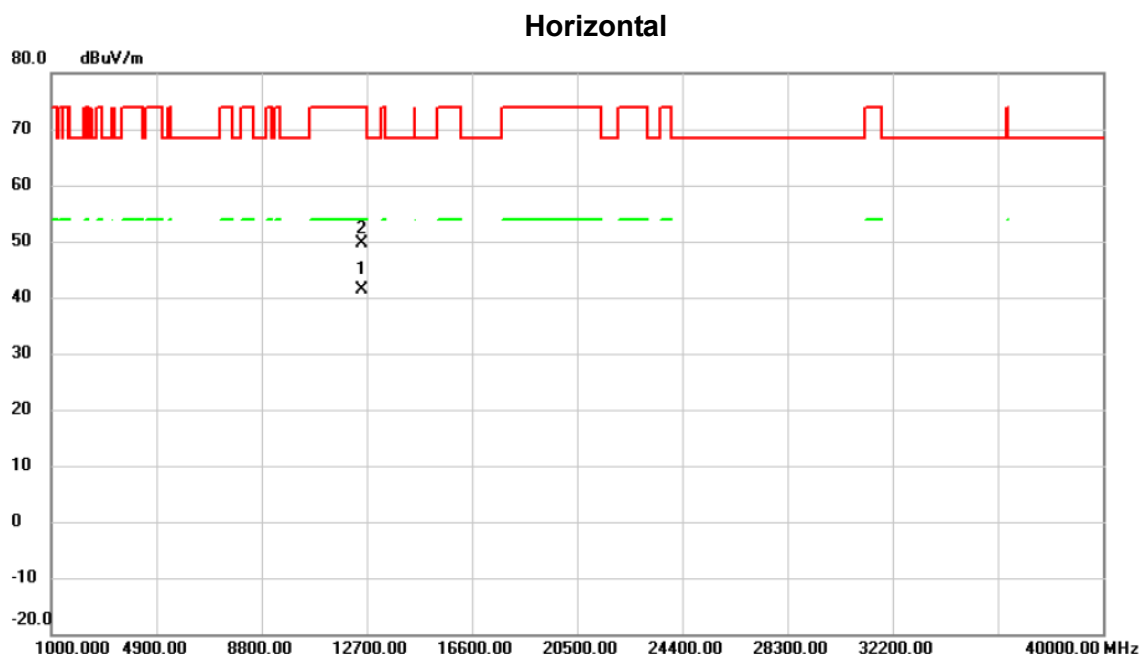
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5831.600	63.78	40.30	104.08	122.20	-18.12	peak	
2		5850.000	23.06	40.34	63.40	122.20	-58.80	peak	
3		5860.000	21.24	40.36	61.60	109.40	-47.80	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5825 MHz	RU configuration	242/61



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12499.91	38.36	2.93	41.29	54.00	-12.71	AVG	
2		12500.09	46.82	2.93	49.75	74.00	-24.25	peak	

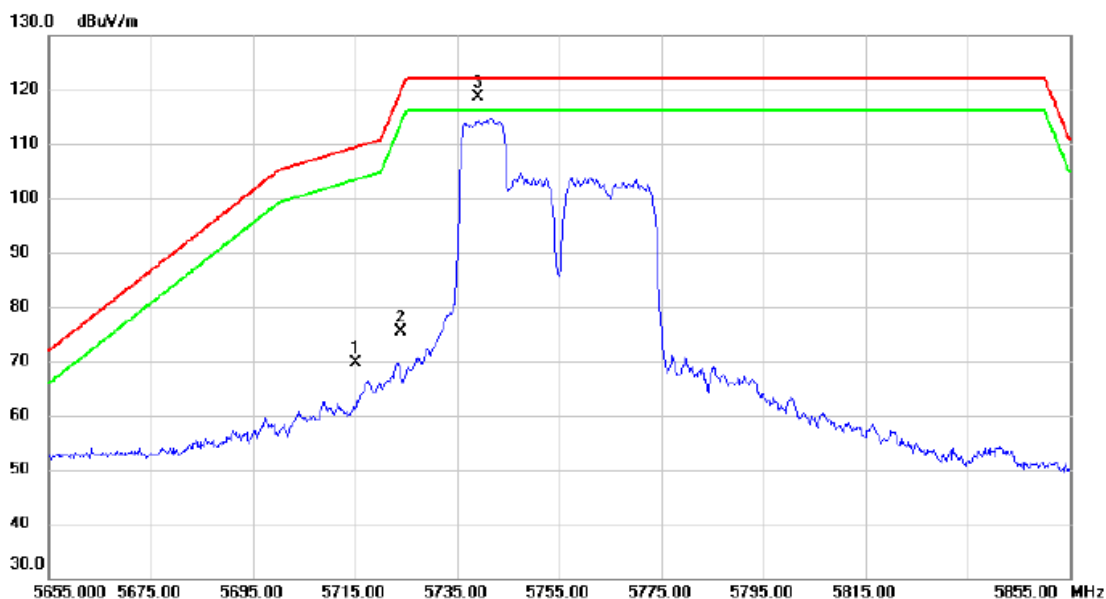
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5755 MHz	RU configuration	106/53

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	29.69	40.02	69.71	109.40	-39.69	peak	
2		5724.000	35.43	40.04	75.47	119.92	-44.45	peak	
3	*	5739.000	78.44	40.08	118.52	122.20	-3.68	peak	

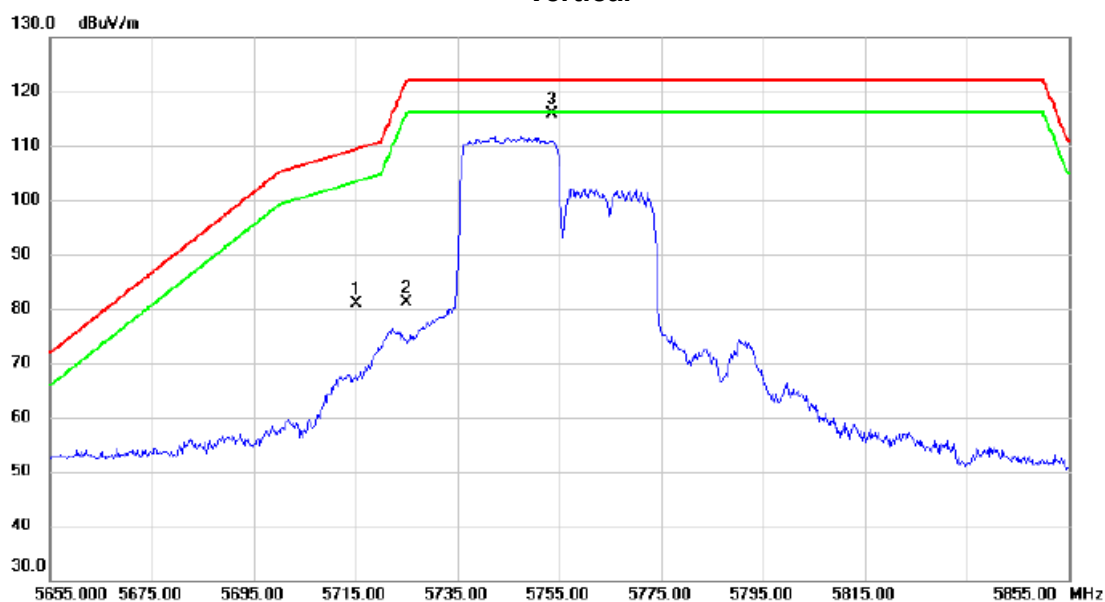
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5755 MHz	RU configuration	242/61

Vertical



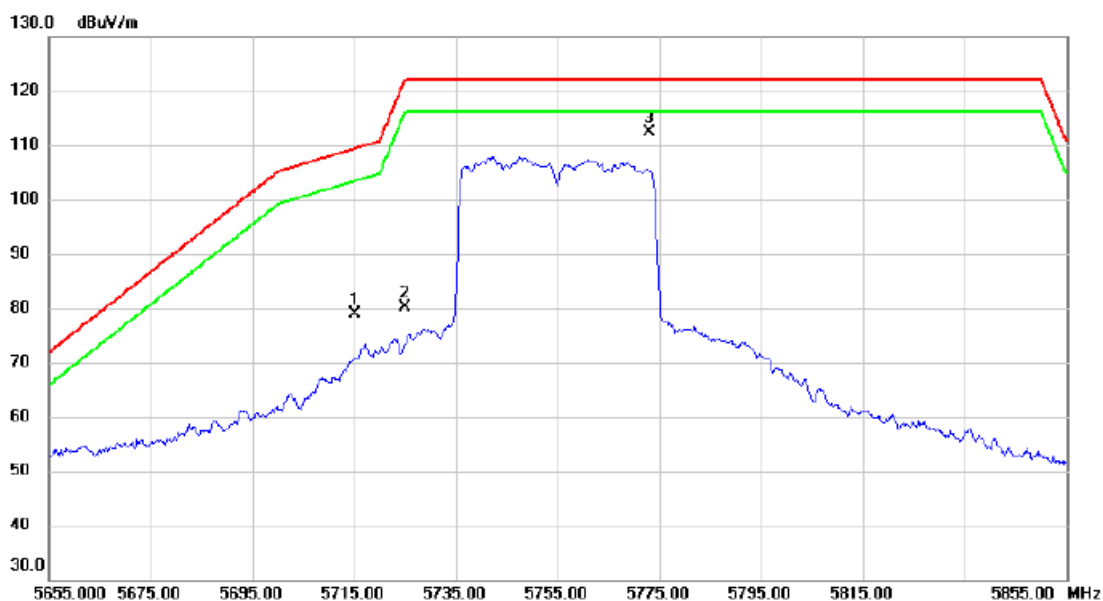
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5715.000	40.75	40.02	80.77	109.40	-28.63	peak	
2		5725.000	41.09	40.05	81.14	122.20	-41.06	peak	
3	*	5753.600	75.69	40.11	115.80	122.20	-6.40	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5755 MHz	RU configuration	484/65

Vertical

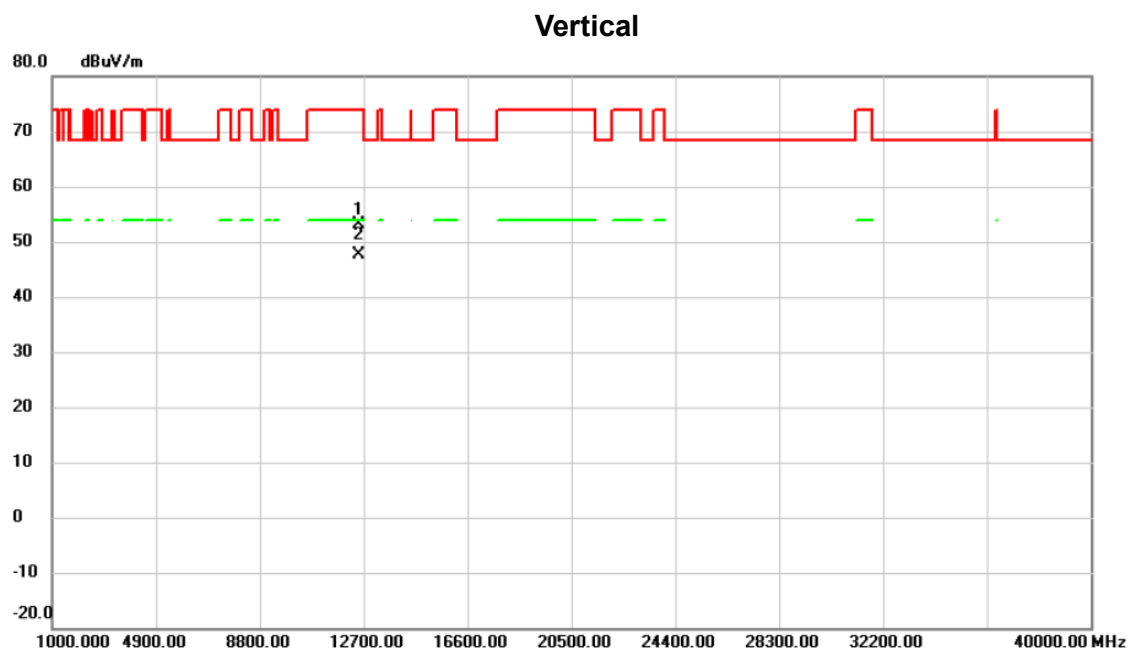


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	38.88	40.02	78.90	109.40	-30.50	peak	
2		5725.000	40.09	40.05	80.14	122.20	-42.06	peak	
3	*	5773.100	72.16	40.16	112.32	122.20	-9.88	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5755 MHz	RU configuration	484/65



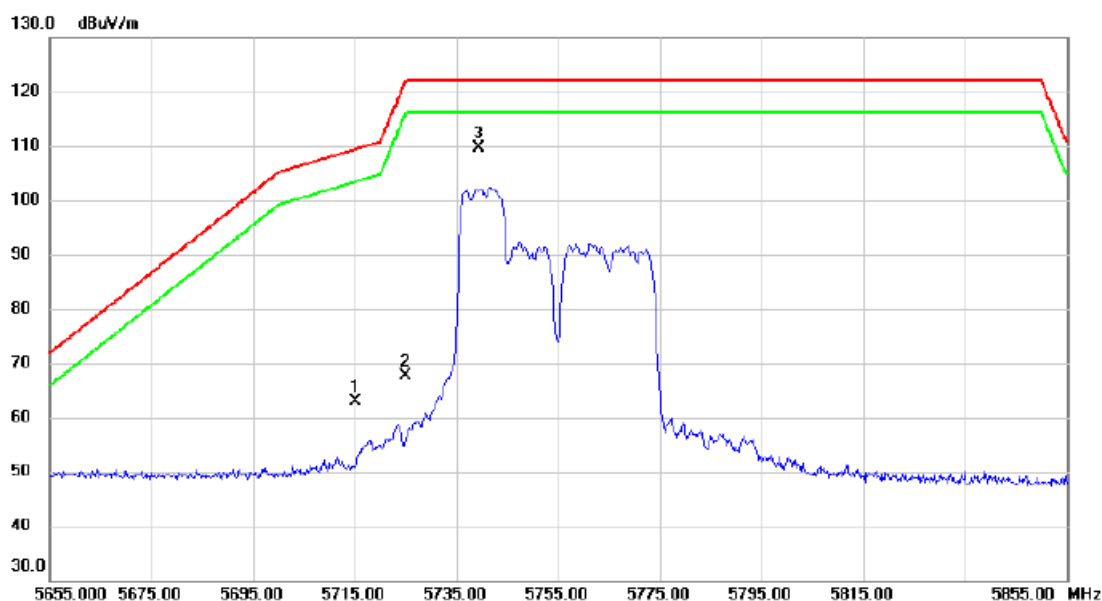
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		12499.80	50.26	2.93	53.19	74.00	-20.81	peak	
2	*	12499.86	44.76	2.93	47.69	54.00	-6.31	AVG	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5755 MHz	RU configuration	106/53

Horizontal



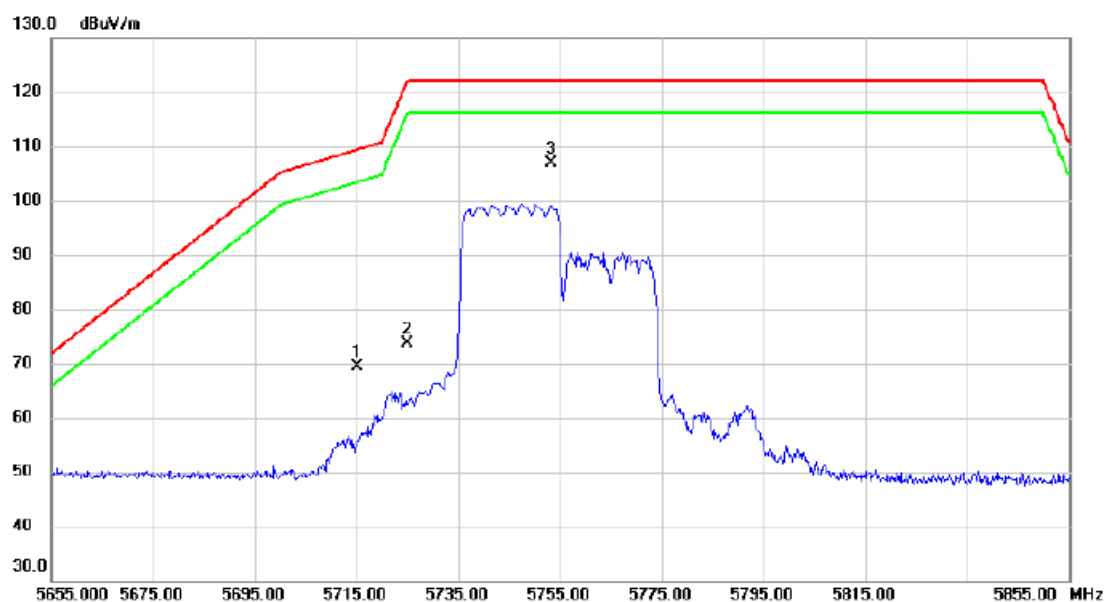
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.000	22.83	40.02	62.85	109.40	-46.55	peak	
2	5725.000	27.65	40.05	67.70	122.20	-54.50	peak	
3 *	5739.300	69.57	40.08	109.65	122.20	-12.55	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5755 MHz	RU configuration	242/61

Horizontal



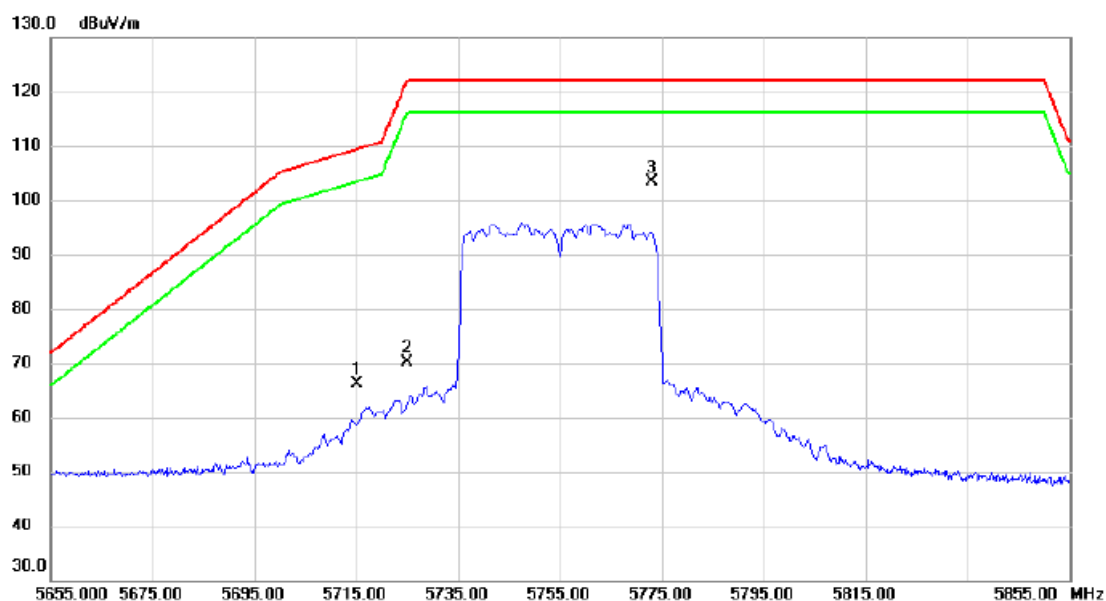
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	29.47	40.02	69.49	109.40	-39.91	peak	
2		5725.000	33.48	40.05	73.53	122.20	-48.67	peak	
3	*	5753.300	66.65	40.11	106.76	122.20	-15.44	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5755 MHz	RU configuration	484/65

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	26.02	40.02	66.04	109.40	-43.36	peak	
2		5725.000	30.15	40.05	70.20	122.20	-52.00	peak	
3	*	5773.100	63.33	40.16	103.49	122.20	-18.71	peak	

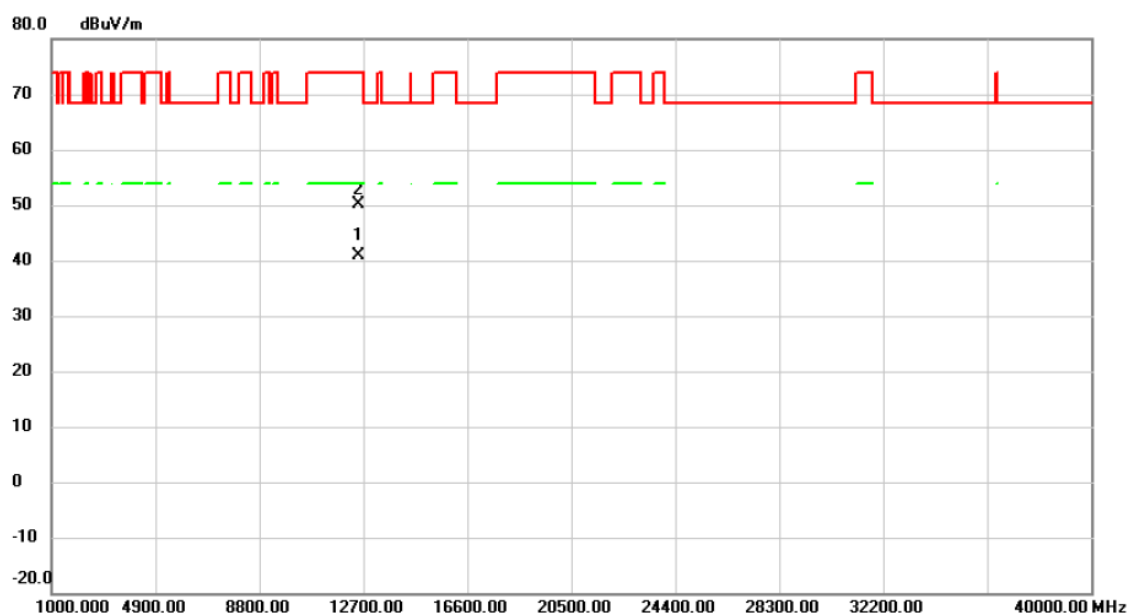
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5755 MHz	RU configuration	484/65

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	12499.93	37.89	2.93	40.82	54.00	-13.18	AVG	
2		12500.21	47.11	2.93	50.04	74.00	-23.96	peak	

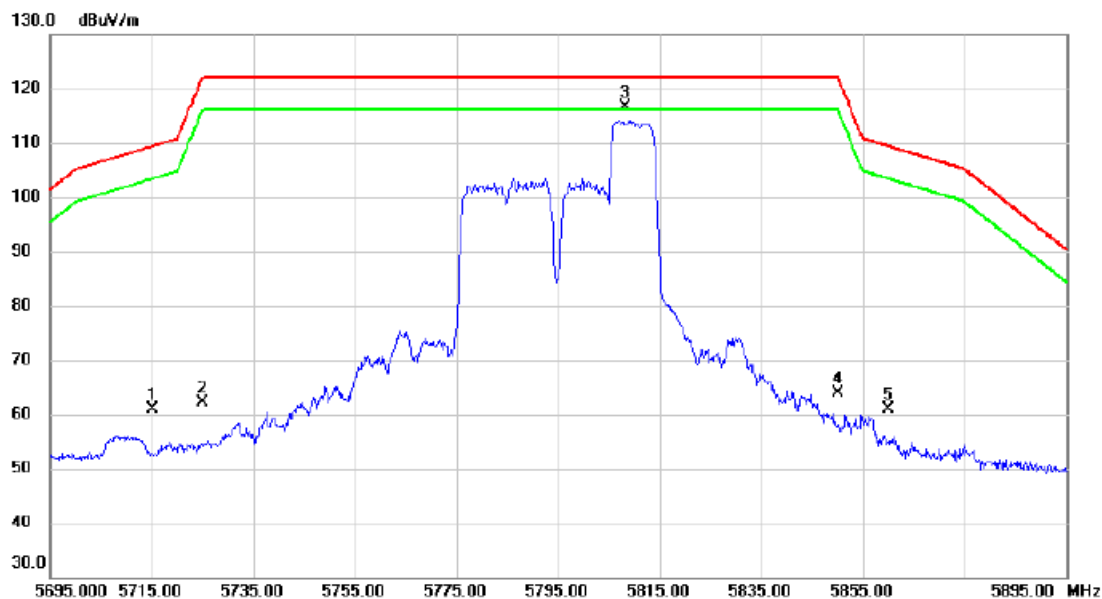
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5795 MHz	RU configuration	106/56

Vertical



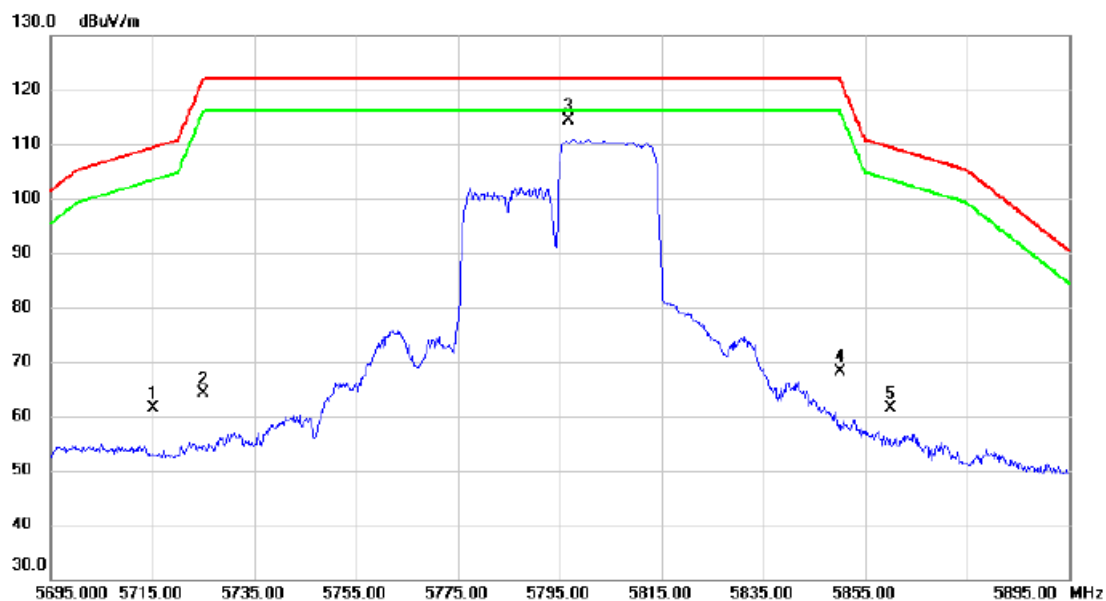
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5715.000	20.96	40.02	60.98	109.40	-48.42	peak	
2		5725.000	22.02	40.05	62.07	122.20	-60.13	peak	
3	*	5808.100	76.49	40.24	116.73	122.20	-5.47	peak	
4		5850.000	23.54	40.34	63.88	122.20	-58.32	peak	
5		5860.000	20.52	40.36	60.88	109.40	-48.52	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5795 MHz	RU configuration	242/62

Vertical



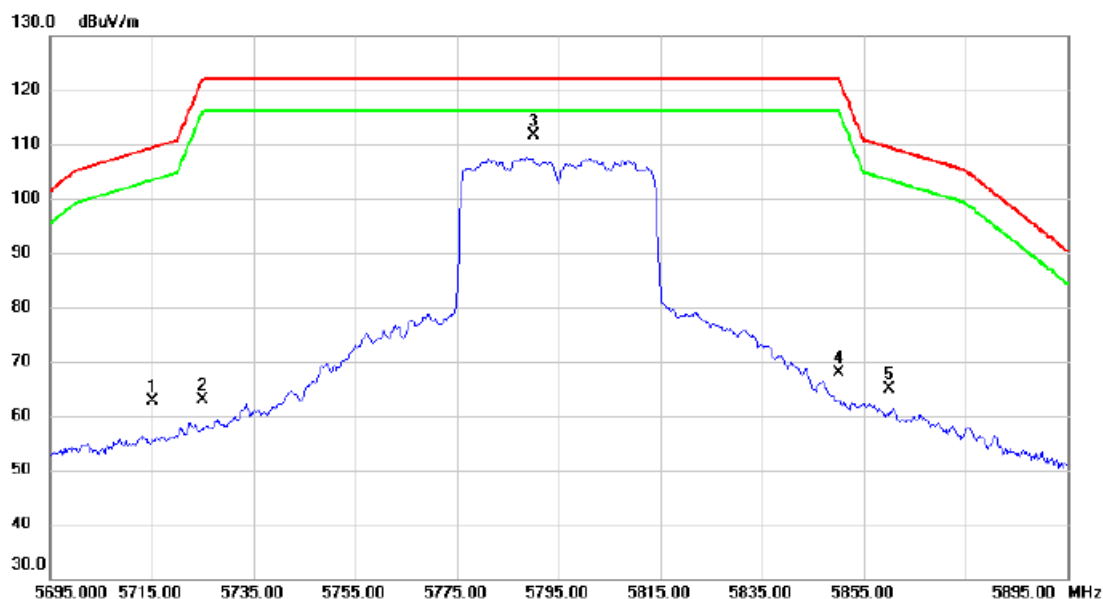
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		5715.000	21.46	40.02	61.48	109.40	-47.92	peak
2		5725.000	24.11	40.05	64.16	122.20	-58.04	peak
3	*	5796.800	74.20	40.22	114.42	122.20	-7.78	peak
4		5850.000	27.69	40.34	68.03	122.20	-54.17	peak
5		5860.000	20.96	40.36	61.32	109.40	-48.08	peak

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5795 MHz	RU configuration	484/65

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		5715.000	22.57	40.02	62.59	109.40	-46.81	peak
2		5725.000	22.76	40.05	62.81	122.20	-59.39	peak
3	*	5790.200	71.44	40.20	111.64	122.20	-10.56	peak
4		5850.000	27.56	40.34	67.90	122.20	-54.30	peak
5		5860.000	24.50	40.36	64.86	109.40	-44.54	peak

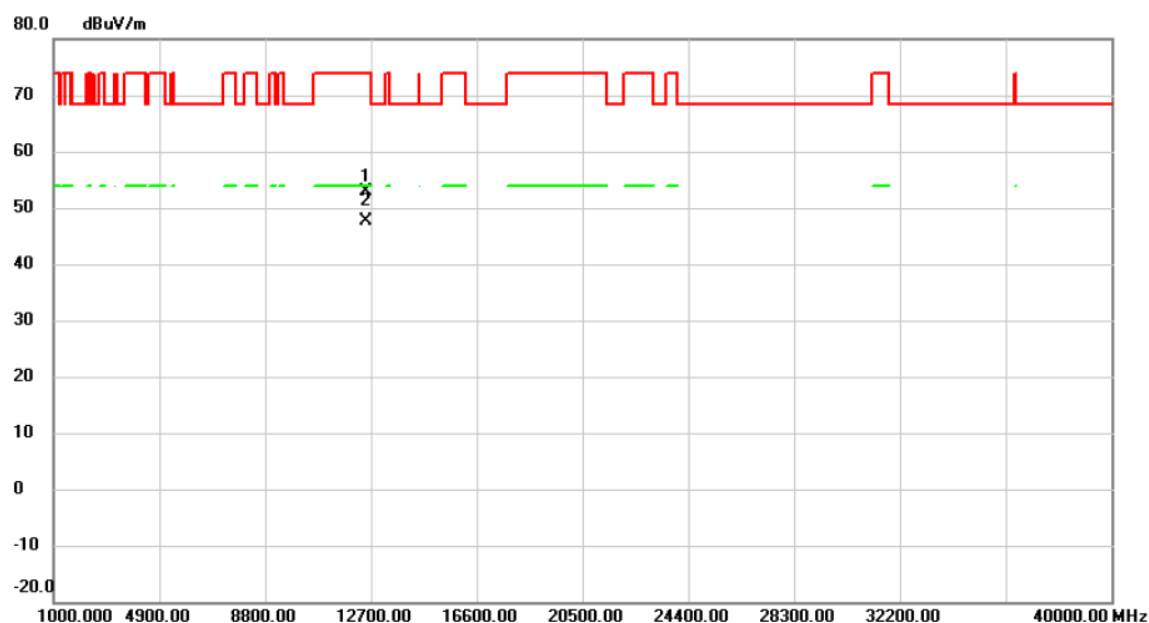
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5795 MHz	RU configuration	484/65

Vertical



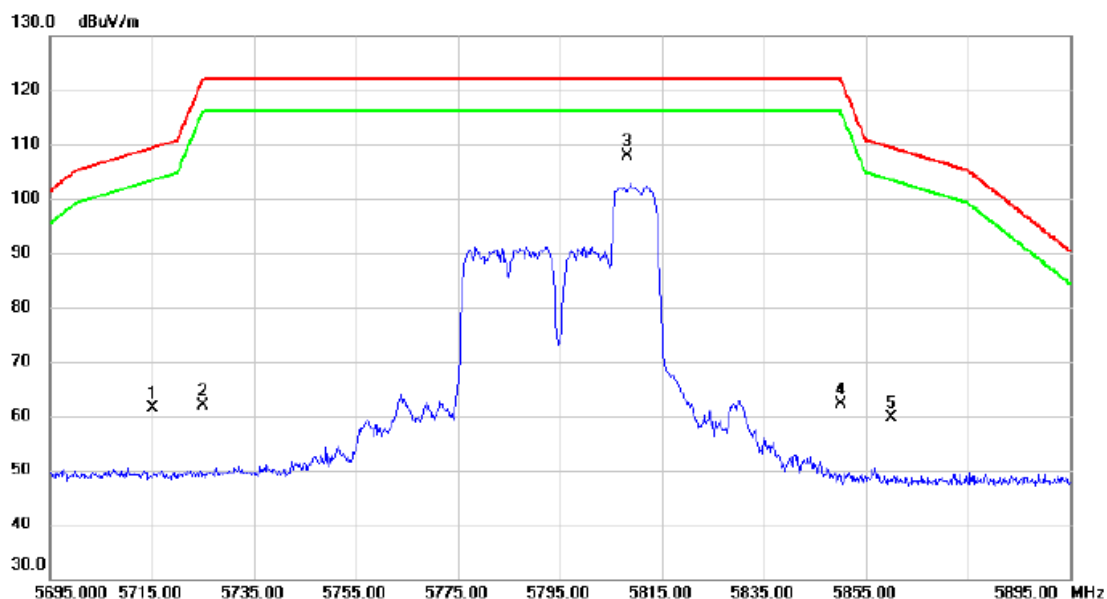
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		12499.86	49.89	2.93	52.82	74.00	-21.18	peak	
2	*	12499.93	44.82	2.93	47.75	54.00	-6.25	AVG	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5795 MHz	RU configuration	106/56

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	21.28	40.02	61.30	109.40	-48.10	peak	
2		5725.000	21.76	40.05	61.81	122.20	-60.39	peak	
3	*	5808.100	67.58	40.24	107.82	122.20	-14.38	peak	
4		5850.000	21.84	40.34	62.18	122.20	-60.02	peak	
5		5860.000	19.37	40.36	59.73	109.40	-49.67	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5795 MHz	RU configuration	242/62

Horizontal



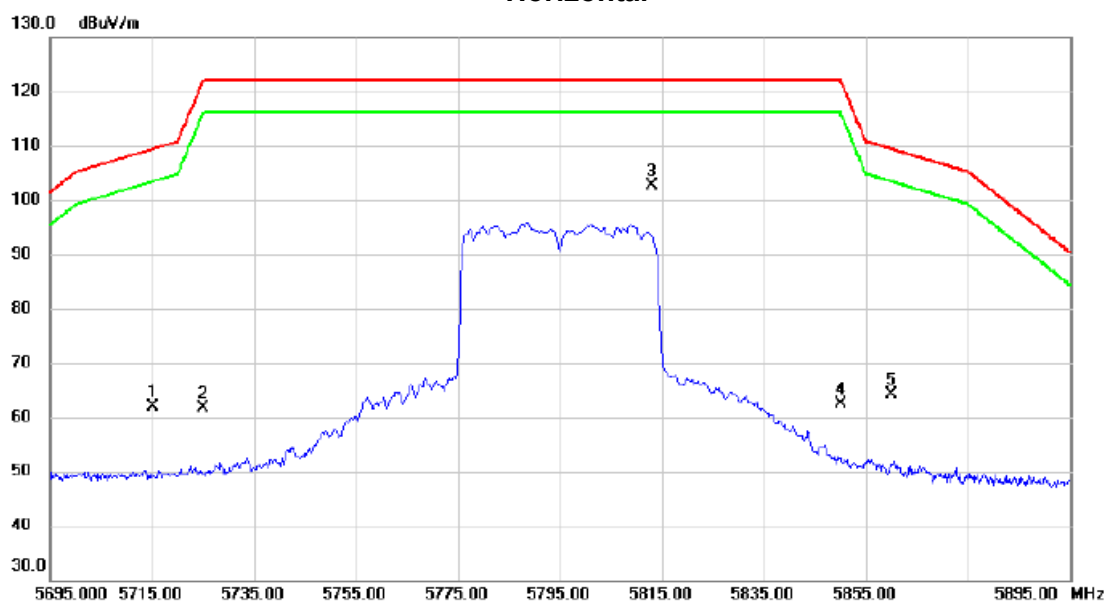
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	22.05	40.02	62.07	109.40	-47.33	peak	
2		5725.000	21.08	40.05	61.13	122.20	-61.07	peak	
3	*	5804.800	65.32	40.24	105.56	122.20	-16.64	peak	
4		5850.000	21.18	40.34	61.52	122.20	-60.68	peak	
5		5860.000	20.78	40.36	61.14	109.40	-48.26	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5795 MHz	RU configuration	484/65

Horizontal



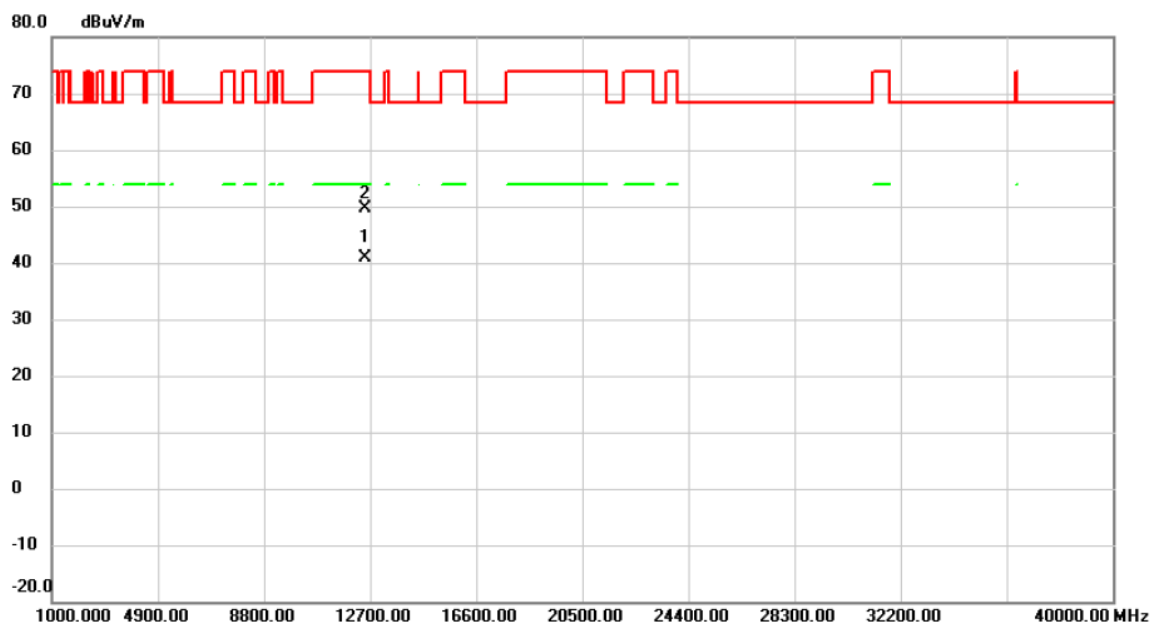
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	21.75	40.02	61.77	109.40	-47.63	peak	
2		5725.000	21.46	40.05	61.51	122.20	-60.69	peak	
3	*	5813.100	62.39	40.26	102.65	122.20	-19.55	peak	
4		5850.000	22.04	40.34	62.38	122.20	-59.82	peak	
5		5860.000	23.73	40.36	64.09	109.40	-45.31	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE40) Mode 5795 MHz	RU configuration	484/65

Horizontal



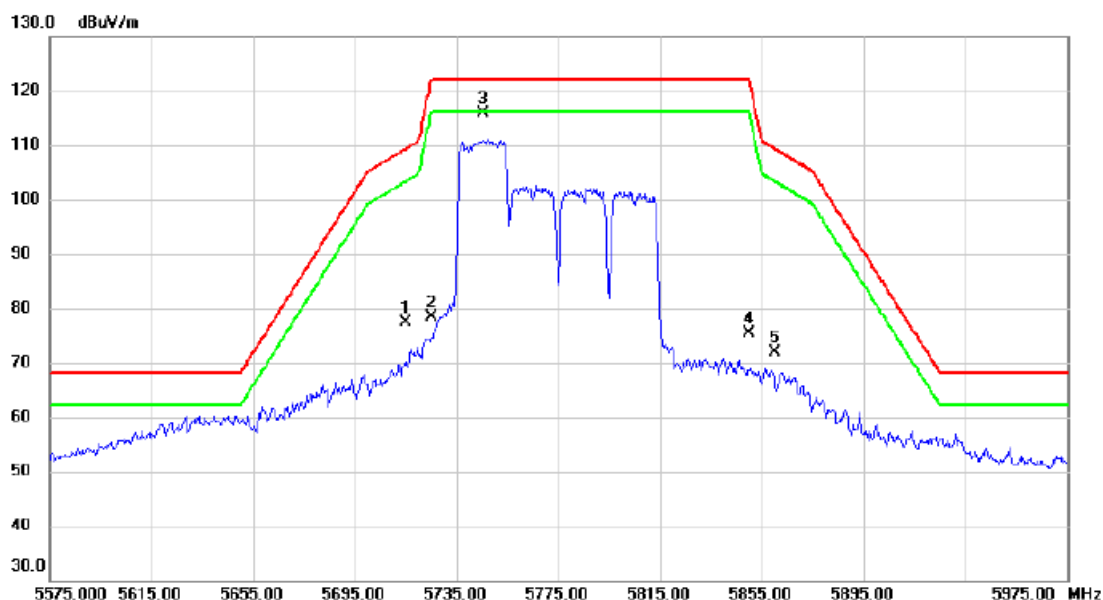
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	12499.85	37.95	2.93	40.88	54.00	-13.12	AVG	
2		12499.93	46.80	2.93	49.73	74.00	-24.27	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE80) Mode 5775 MHz	RU configuration	242/61

Vertical



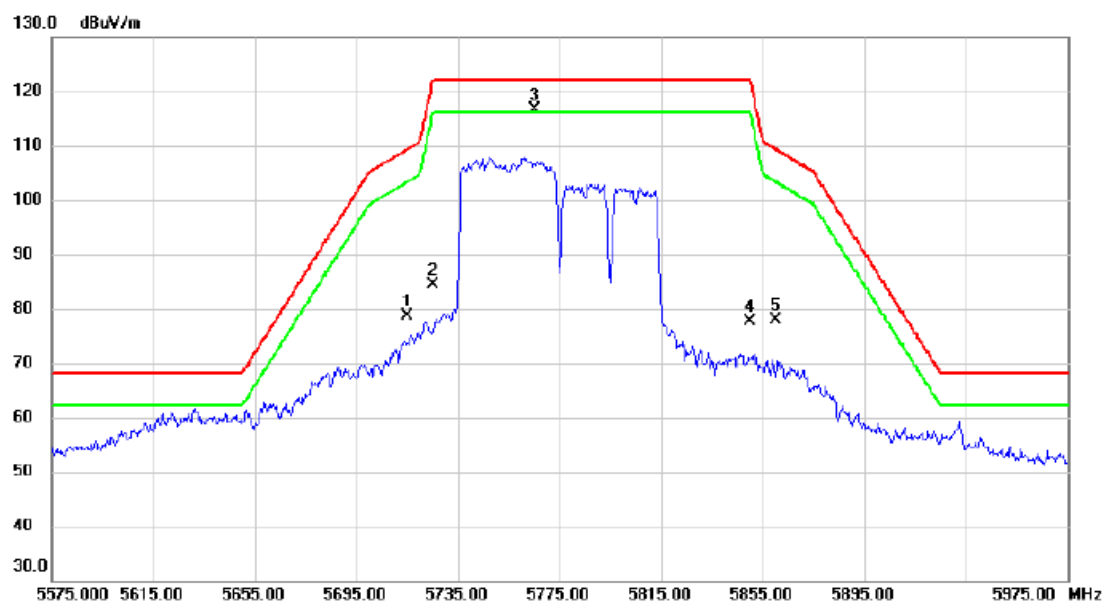
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	37.29	40.02	77.31	109.40	-32.09	peak	
2		5725.000	38.43	40.05	78.48	122.20	-43.72	peak	
3	*	5745.600	75.77	40.09	115.86	122.20	-6.34	peak	
4		5850.000	34.98	40.34	75.32	122.20	-46.88	peak	
5		5860.000	31.55	40.36	71.91	109.40	-37.49	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE80) Mode 5775 MHz	RU configuration	484/65

Vertical

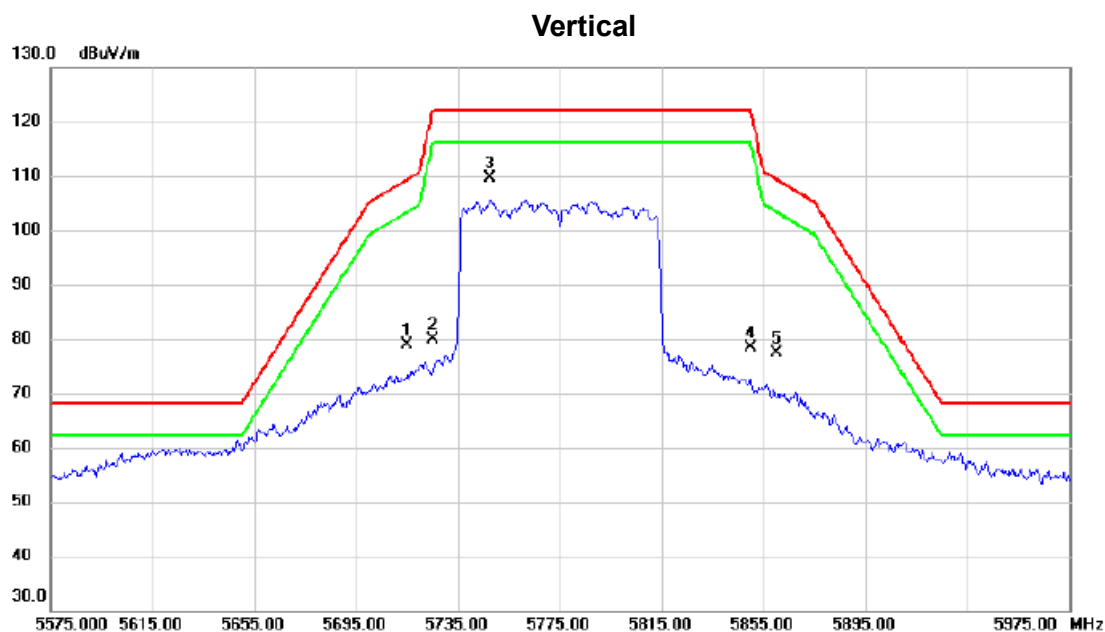


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	38.65	40.02	78.67	109.40	-30.73	peak	
2		5725.000	44.44	40.05	84.49	122.20	-37.71	peak	
3	*	5765.200	76.57	40.14	116.71	122.20	-5.49	peak	
4		5850.000	37.39	40.34	77.73	122.20	-44.47	peak	
5		5860.000	37.59	40.36	77.95	109.40	-31.45	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE80) Mode 5775 MHz	RU configuration	996/67



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	38.77	40.02	78.79	109.40	-30.61	peak	
2		5725.000	39.94	40.05	79.99	122.20	-42.21	peak	
3	*	5747.600	69.52	40.10	109.62	122.20	-12.58	peak	
4		5850.000	37.93	40.34	78.27	122.20	-43.93	peak	
5		5860.000	36.94	40.36	77.30	109.40	-32.10	peak	

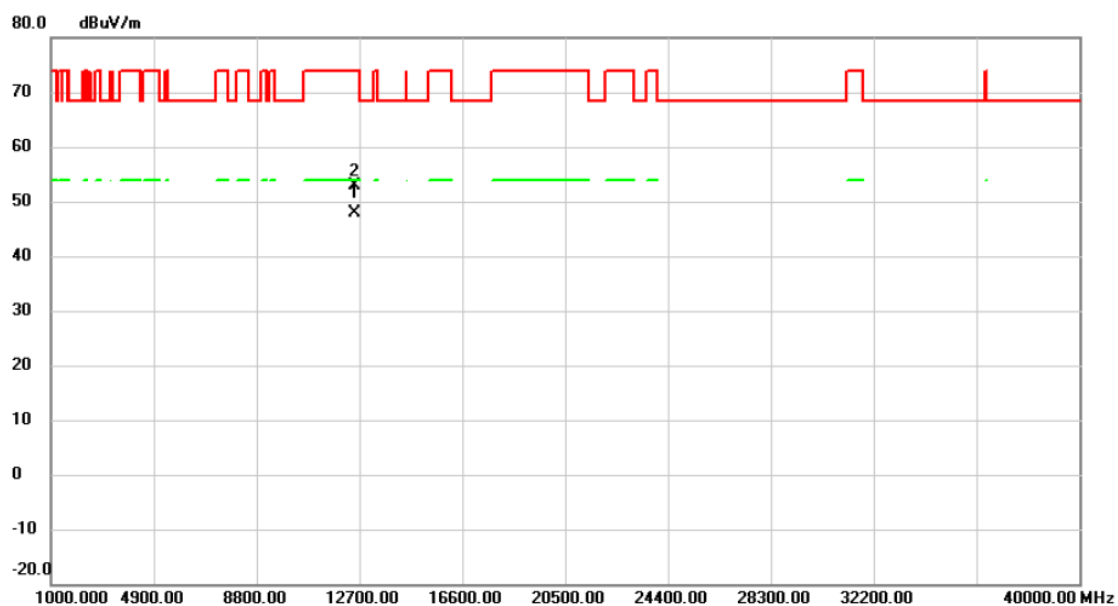
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE80) Mode 5775 MHz	RU configuration	996/67

Vertical



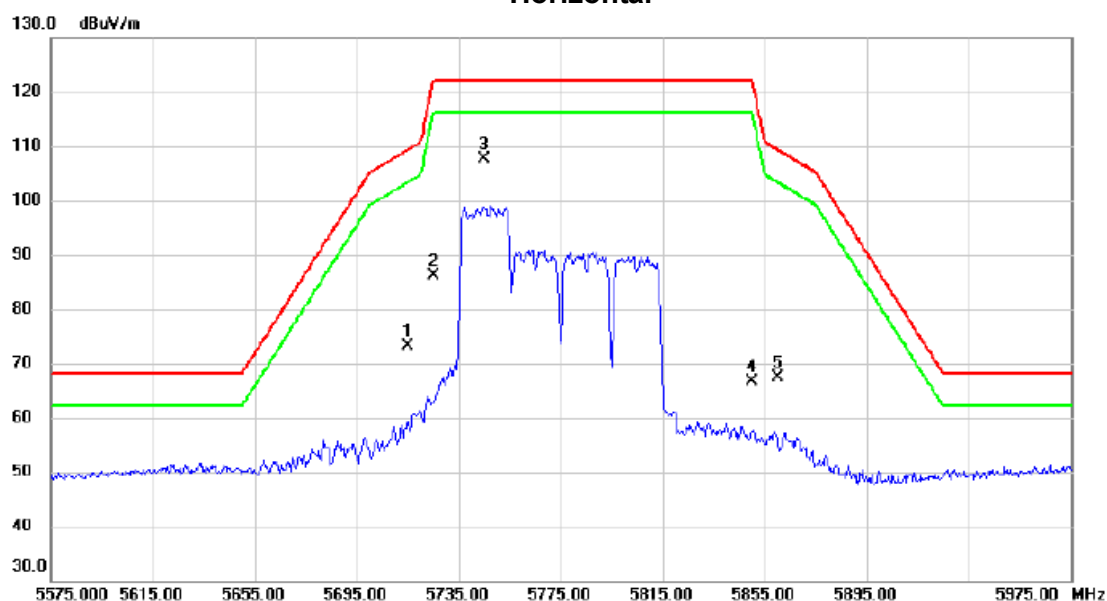
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	12499.93	44.87	2.93	47.80	54.00	-6.20	AVG	
2		12500.37	50.05	2.93	52.98	74.00	-21.02	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE80) Mode 5775 MHz	RU configuration	242/61

Horizontal



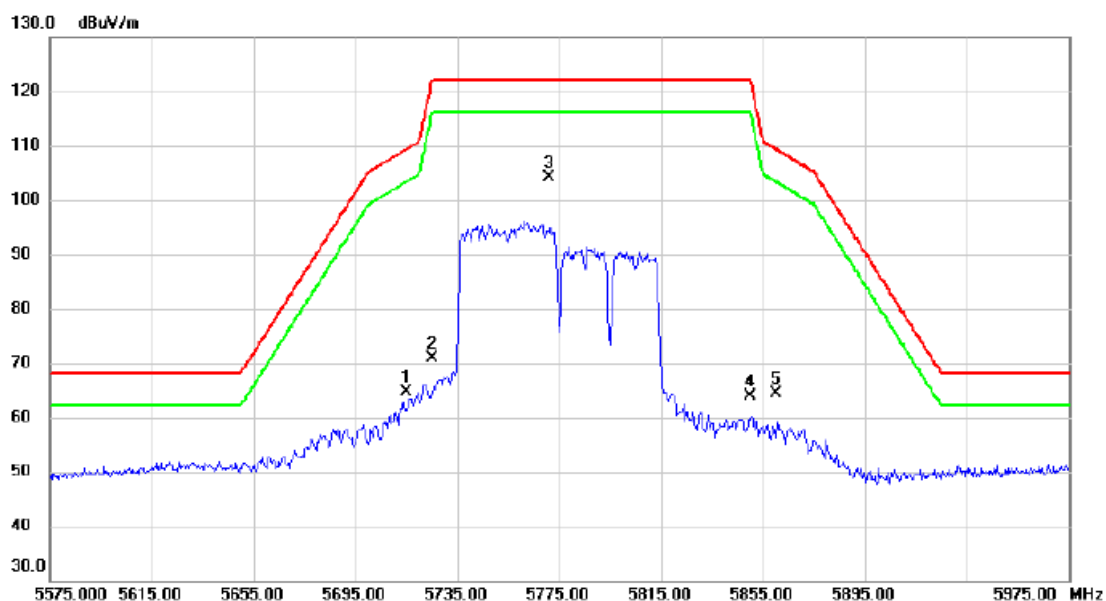
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	33.12	40.02	73.14	109.40	-36.26	peak	
2		5725.000	46.17	40.05	86.22	122.20	-35.98	peak	
3	*	5745.000	67.61	40.09	107.70	122.20	-14.50	peak	
4		5850.000	26.29	40.34	66.63	122.20	-55.57	peak	
5		5860.000	27.03	40.36	67.39	109.40	-42.01	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE80) Mode 5775 MHz	RU configuration	484/65

Horizontal



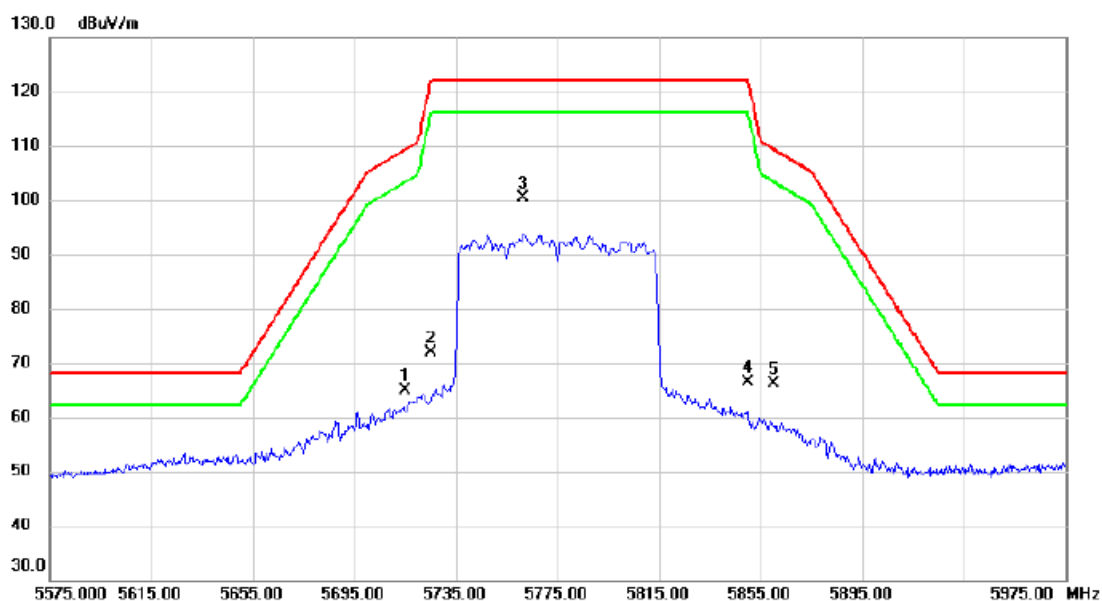
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	24.59	40.02	64.61	109.40	-44.79	peak	
2		5725.000	30.88	40.05	70.93	122.20	-51.27	peak	
3	*	5771.200	63.97	40.16	104.13	122.20	-18.07	peak	
4		5850.000	23.60	40.34	63.94	122.20	-58.26	peak	
5		5860.000	24.13	40.36	64.49	109.40	-44.91	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE80) Mode 5775 MHz	RU configuration	996/67

Horizontal

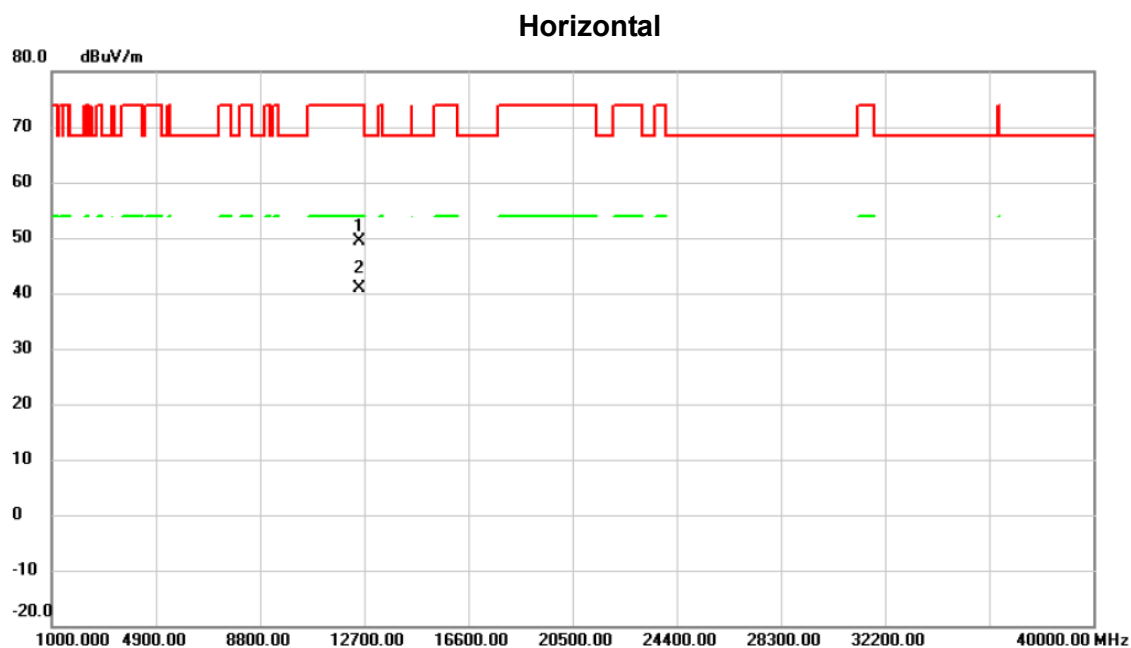


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	24.97	40.02	64.99	109.40	-44.41	peak	
2		5725.000	31.86	40.05	71.91	122.20	-50.29	peak	
3	*	5761.400	60.33	40.13	100.46	122.20	-21.74	peak	
4		5850.000	25.96	40.34	66.30	122.20	-55.90	peak	
5		5860.000	25.71	40.36	66.07	109.40	-43.33	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE80) Mode 5775 MHz	RU configuration	996/67



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		12499.88	46.43	2.93	49.36	74.00	-24.64	peak	
2	*	12499.89	37.98	2.93	40.91	54.00	-13.09	AVG	

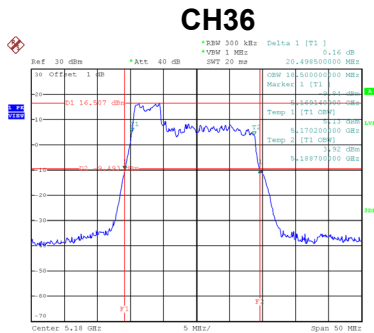
REMARKS:

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

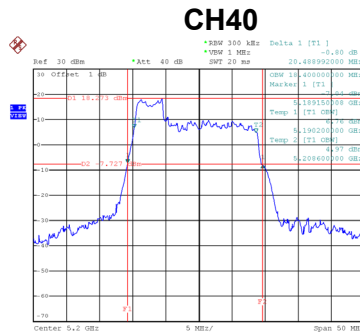
APPENDIX E - BANDWIDTH

Test Mode	UNII-1_TX AX (HE20) Mode	RU configuration	52/37
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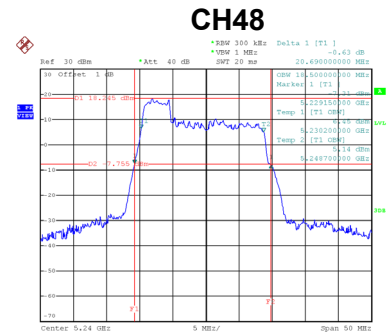
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	20.50	18.50
40	5200	20.49	18.40
48	5240	20.69	18.50



Date: 17.OCT.2019 11:23:01



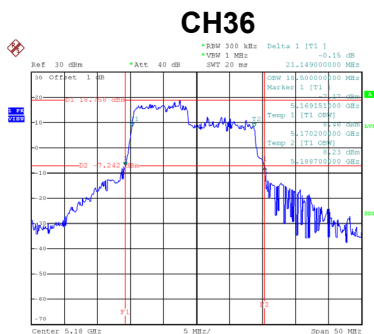
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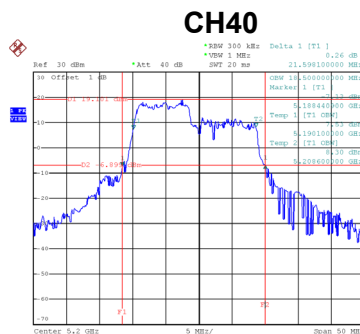
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Test Mode	UNII-1_TX AX (HE20) Mode	RU configuration	106/53
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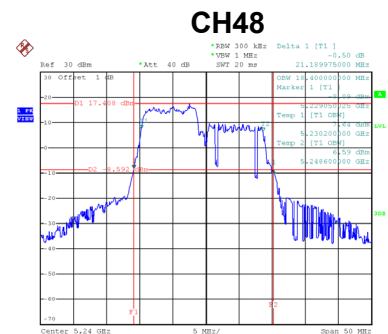
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	21.15	18.50
40	5200	21.60	18.50
48	5240	21.19	18.40



Date: 17.OCT.2019 11:50:53



Date: 17.OCT.2019 12:17:58



Date: 17.OCT.2019 14:19:43