

FCC Radio Test Report

FCC ID: 2ACFN-HORA301W

This report concerns: Original Grant

Project No. : 2002H016
Equipment : New Generation WiFi 6 and Dual 10GbE SD-WAN Router
Brand Name : QNAP
Test Model : QHora-301W
Series Model : N/A
Applicant : QNAP System, Inc.
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Manufacturer : QNAP System, Inc.
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Date of Test : Feb. 27, 2020~Jun. 15, 2020
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Report Version : R00
Test Sample : Engineering Sample No.: SH2020022569 for radiated;
SH2020022569-2 for conducted; SH2020022569-1 for adapter
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's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

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

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

Limitation

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

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Jun. 24, 2020

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E(15.407)				
Standard(s) Section	Test Item	Test Result	Judgement	Remark
15.207 15.407(b)	AC Power Line Conducted Emissions	APPENDIX A	PASS	-----
15.407(b) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	-----
15.407(a) 15.407(e)	Spectrum Bandwidth	APPENDIX E	PASS	-----
15.407(a)	Maximum Output Power	APPENDIX F	PASS	-----
15.407(a)	Power Spectral Density	APPENDIX G	PASS	-----
15.407(g)	Frequency Stability	APPENDIX H	PASS	-----
15.203	Antenna Requirements	-----	PASS	-----
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	20°C	50%	AC 120V	Vince Zong
Radiated Emissions-30 MHz to 1GHz	20°C	50%	AC 120V	Vince Zong
Radiated Emissions-Above 1000 MHz	20°C	50%	AC 120V	Vince Zong
Spectrum Bandwidth	19°C	48%	AC 120V	Bill Dong
Maximum Output Power	19°C	48%	AC 120V	Bill Dong
Power Spectral Density	19°C	48%	AC 120V	Bill Dong

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	New Generation WiFi 6 and Dual 10GbE SD-WAN Router
Brand Name	QNAP
Test Model	QHora-301W
Series Model	N/A
Model Difference(s)	N/A
Power Source	DC voltage supplied from AC/DC adapter. #1: DELTA ELECTRONICS, INC./DPS-40AB-11 #2: EDAC/EA10443D-120
Power Rating	#1: 100-240V ~/1.2A, 50Hz-60Hz O/P: 12V --- 3.33A Max. #1: 100-240V ~, 1.0A, 50-60Hz O/P: 12.0V --- 3.33A 40.0W
Operation Frequency	UNII-1: 5150 MHz~5250 MHz UNII-2A: 5250 MHz~5350 MHz UNII-2C: 5470 MHz~5725 MHz UNII-3: 5725 MHz~5850 MHz
Modulation Type	OFDM, OFDMA
Bit Rate of Transmitter	Up to 4804Mbps
Maximum Conducted Output Power for UNII-1 (4TX) Beamforming	IEEE 802.11ax (HE20): 24.58 dBm (0.2871 W) IEEE 802.11ax (HE40): 25.89 dBm (0.3882 W) IEEE 802.11ax (HE80): 21.37 dBm (0.1371 W)
Maximum Conducted Output Power for UNII-2A (4TX) Beamforming	IEEE 802.11ax (HE20): 18.37 dBm (0.0687 W) IEEE 802.11ax (HE40): 19.86 dBm (0.0968 W) IEEE 802.11ax (HE80): 19.81 dBm (0.0957 W)
Maximum Conducted Output Power for UNII-2C (4TX) Beamforming	IEEE 802.11ax (HE20): 19.43 dBm (0.0877 W) IEEE 802.11ax (HE40): 19.89 dBm (0.0975 W) IEEE 802.11ax (HE80): 19.72 dBm (0.0938 W)
Maximum Conducted Output Power for UNII-3 (4TX) Beamforming	IEEE 802.11ax (HE20): 25.82 dBm (0.3819 W) IEEE 802.11ax (HE40): 25.90 dBm (0.3890 W) IEEE 802.11ax (HE80): 25.75 dBm (0.3758 W)
Maximum Conducted Output Power for UNII-1 (4TX) CDD	IEEE 802.11ax (HE20): 24.76 dBm (0.2992 W) IEEE 802.11ax (HE40): 26.88 dBm (0.4875 W) IEEE 802.11ax (HE80): 21.43 dBm (0.1390 W)
Maximum Conducted Output Power for UNII-2A (4TX) CDD	IEEE 802.11ax (HE20): 19.43 dBm (0.0877 W) IEEE 802.11ax (HE40): 20.33 dBm (0.1079 W) IEEE 802.11ax (HE80): 20.67 dBm (0.1167 W)
Maximum Conducted Output Power for UNII-2C (4TX) CDD	IEEE 802.11ax (HE20): 20.00 dBm (0.1000 W) IEEE 802.11ax (HE40): 20.33 dBm (0.1079 W) IEEE 802.11ax (HE80): 20.65 dBm (0.1161 W)
Maximum Conducted Output Power for UNII-3 (4TX) CDD	IEEE 802.11ax (HE20): 28.63 dBm (0.7295 W) IEEE 802.11ax (HE40): 28.87 dBm (0.7709 W) IEEE 802.11ax (HE80): 28.42 dBm (0.6950 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-2A		UNII-2A		UNII-2A	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

IEEE 802.11ax (HE20)		IEEE 802.11ax (HE40)		IEEE 802.11ax (HE80)	
UNII-2C		UNII-2C		UNII-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590		
112	5560	126	5630		
116	5580	134	5670		
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
140	5700				

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				

4. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1		N/A	PCB	N/A	2.40	N/A
2		N/A	PCB	N/A	4.96	N/A
3		N/A	PCB	N/A	4.48	N/A
4		N/A	PCB	N/A	4.21	N/A

Note:

This EUT supports Beamforming and CDD, all antennas have unequal gains, any transmit signals are correlated with each other, so

1) Beamforming:

Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] \text{dBi}$,

that is Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] \text{dBi} = 10.09$;

Then, the UNII-1, UNII-3 output power limit is $30 - 10.09 + 6 = 25.91$, the UNII-2A, UNII-2C output

power limit is $24 - 10.09 + 6 = 19.91$. The UNII-1 power spectral density limit is

$17 - 10.09 + 6 = 12.91$, UNII-2A, UNII-2C power spectral density limit is $11 - 10.09 + 6 = 6.91$,

the UNII-3 power spectral density limit is $30 - 10.09 + 6 = 25.91$.

2) CDD:

For power spectral density measurements, the Directional

gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] \text{dBi}$,

that is Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] \text{dBi} = 10.09$;

Then, the UNII-1 power spectral density limited is $17 - 10.09 + 6 = 12.91$,

UNII-2A, UNII-2C power

spectral density limit is $11 - 10.09 + 6 = 6.91$, the UNII-3 power spectral density limit is $30 - 10.09 + 6 = 25.91$.

For power measurements, Directional gain = $G_{ANT \text{ MAX.}} + \text{Array Gain}$. Array

Gain = $0 \text{dB} (N_{ANT} \leq 4)$, so

the Directional gain = 4.96 .

5. Table for Antenna Configuration:

Operating Mode / TX Mode	Ant. 1	Ant. 2	Ant. 3	Ant. 4	Ant. 1+2+3+4
IEEE 802.11AX (HE20)	✓	✓	✓	✓	✓
IEEE 802.11AX (HE40)	✓	✓	✓	✓	✓
IEEE 802.11AX (HE80)	✓	✓	✓	✓	✓

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 / CH52, CH60, CH64 (UNII-2A)
Mode 5	TX AX (HE40) Mode / CH54, CH62 (UNII-2A)
Mode 6	TX AX (HE80) Mode / CH58 (UNII-2A)
Mode 7	TX AX (HE160) Mode / CH50 (UNII-2A)
Mode 8	TX AX (HE20) Mode / CH100, CH116, CH140 (UNII-2C)
Mode 9	TX AX (HE40) Mode / CH102, CH110, CH134 (UNII-2C)
Mode 10	TX AX (HE80) Mode / CH106, CH122 (UNII-2C)
Mode 11	TX AX (HE20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 12	TX AX (HE40) Mode / CH151,CH159 (UNII-3)
Mode 13	TX AX (HE80) Mode / CH155 (UNII-3)
Mode 14	TX AX (HE40) Mode / CH155 (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 14	TX AX (HE40) Mode / CH155 (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 / CH52, CH60, CH64 (UNII-2A)
Mode 5	TX AX (HE40) Mode / CH54, CH62 (UNII-2A)
Mode 6	TX AX (HE80) Mode / CH58 (UNII-2A)
Mode 7	TX AX (HE160) Mode / CH50 (UNII-2A)
Mode 8	TX AX (HE20) Mode / CH100, CH116, CH140 (UNII-2C)
Mode9	TX AX (HE40) Mode / CH102, CH110, CH134 (UNII-2C)
Mode 10	TX AX (HE80) Mode / CH106, CH122 (UNII-2C)
Mode 11	TX AX (HE20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 12	TX AX (HE40) Mode / CH151,CH159 (UNII-3)
Mode 13	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 Beamforming and CDD, the worst case was CDD, only worst case was documented for other test items.
- (4) The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

2.3 PARAMETERS OF TEST SOFTWARE

Beamforming

4TX			
Test Software	QRCT		
Operating Mode	Test Frequency (MHz)	Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE20)	5180	26 Tone	13.5
		52 Tone	16
		106 Tone	18
		242 Tone	18
	5200	26 Tone	13.5
		52 Tone	17
		106 Tone	18
		242 Tone	18
	5240	26 Tone	13.5
		52 Tone	17
		106 Tone	19
		242 Tone	18
	5260	26 Tone	7.5
		52 Tone	10.5
		106 Tone	11.5
		242 Tone	12
	5300	26 Tone	7.5
		52 Tone	10.5
		106 Tone	11.5
		242 Tone	12
	5320	26 Tone	7.5
		52 Tone	10.5
		106 Tone	11.5
		242 Tone	12
	5500	26 Tone	7.5
		52 Tone	10.5
		106 Tone	11.5
		242 Tone	12
	5580	26 Tone	8
		52 Tone	11
		106 Tone	12
		242 Tone	12
	5700	26 Tone	8
		52 Tone	10
		106 Tone	12
		242 Tone	13

Operating Mode	Test Frequency (MHz)	Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE20)	5745	26 Tone	20.5
		52 Tone	21
		106 Tone	20.5
		242 Tone	20.5
	5785	26 Tone	20.5
		52 Tone	21
		106 Tone	20.5
		242 Tone	20.5
	5825	26 Tone	20.5
		52 Tone	21
		106 Tone	20.5
		242 Tone	20.5
IEEE 802.11ax (HE40)	5190	26 Tone	10
		52 Tone	13
		106 Tone	13
		242 Tone	15
		484 Tone	15
	5230	26 Tone	15.5
		52 Tone	18
		106 Tone	21
		242 Tone	20
		484 Tone	20
	5270	26 Tone	10
		52 Tone	12
		106 Tone	14
		242 Tone	14.5
		484 Tone	14
	5310	26 Tone	10
		52 Tone	11
		106 Tone	14
		242 Tone	14.5
		484 Tone	14
	5510	26 Tone	9.5
		52 Tone	10
		106 Tone	14
		242 Tone	14.5
		484 Tone	14.5

Operating Mode	Test Frequency (MHz)	Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE40)	5550	26 Tone	9.5
		52 Tone	12
		106 Tone	14.5
		242 Tone	14
		484 Tone	14
	5670	26 Tone	9.5
		52 Tone	12
		106 Tone	14.5
		242 Tone	14
		484 Tone	14.5
	5755	26 Tone	20
		52 Tone	20
		106 Tone	20
		242 Tone	20
		484 Tone	20
	5795	26 Tone	20
		52 Tone	20
		106 Tone	20
		242 Tone	20
		484 Tone	20

Operating Mode	Test Frequency (MHz)	Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE80)	5210	26 Tone	7.5
		52 Tone	8.5
		106 Tone	9.5
		242 Tone	10
		484 Tone	14
		996 Tone	15
	5290	26 Tone	8
		52 Tone	9
		106 Tone	10
		242 Tone	10
		484 Tone	13.5
		996 Tone	13.5
	5530	26 Tone	8
		52 Tone	9
		106 Tone	9
		242 Tone	12
		484 Tone	13.5
		996 Tone	13.5
	5610	26 Tone	8
		52 Tone	9
		106 Tone	10
		242 Tone	12
		484 Tone	13.5
		996 Tone	13.5
	5775	26 Tone	18
		52 Tone	19
		106 Tone	19
		242 Tone	19
		484 Tone	15
		996 Tone	20

CDD			
4TX			
Test Software	QRCT		
Operating Mode	Test Frequency (MHz)	Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE20)	5180	26 Tone	13.5
		52 Tone	16
		106 Tone	18
		242 Tone	18
	5200	26 Tone	13.5
		52 Tone	17
		106 Tone	18
		242 Tone	18
	5240	26 Tone	13.5
		52 Tone	17
		106 Tone	19
		242 Tone	18
	5260	26 Tone	7.5
		52 Tone	10.5
		106 Tone	11.5
		242 Tone	12
	5300	26 Tone	7.5
		52 Tone	10.5
		106 Tone	11.5
		242 Tone	12
	5320	26 Tone	7.5
		52 Tone	10.5
		106 Tone	11.5
		242 Tone	12
	5500	26 Tone	7.5
		52 Tone	10.5
		106 Tone	11.5
		242 Tone	12
	5580	26 Tone	8
		52 Tone	11
		106 Tone	12
		242 Tone	12
	5700	26 Tone	8
		52 Tone	10
		106 Tone	12
		242 Tone	13

Operating Mode	Test Frequency (MHz)	Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE20)	5745	26 Tone	23
		52 Tone	23
		106 Tone	23
		242 Tone	23
	5785	26 Tone	23
		52 Tone	23
		106 Tone	23
		242 Tone	23
	5825	26 Tone	23
		52 Tone	23
		106 Tone	23
		242 Tone	23
IEEE 802.11ax (HE40)	5190	26 Tone	10
		52 Tone	13
		106 Tone	13
		242 Tone	15
		484 Tone	15
	5230	26 Tone	13.5
		52 Tone	16
		106 Tone	21
		242 Tone	21
		484 Tone	20
	5270	26 Tone	8
		52 Tone	10.5
		106 Tone	13.5
		242 Tone	14.5
		484 Tone	14.5
	5310	26 Tone	8
		52 Tone	10.5
		106 Tone	13
		242 Tone	14.5
		484 Tone	14.5
	5510	26 Tone	8
		52 Tone	10
		106 Tone	13
		242 Tone	14.5
		484 Tone	14.5

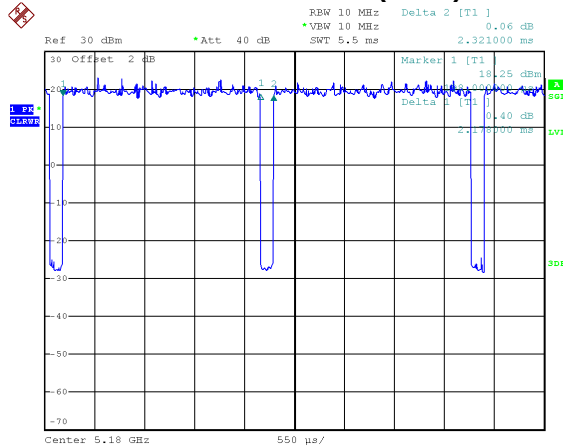
Operating Mode	Test Frequency (MHz)	Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE40)	5550	26 Tone	8
		52 Tone	10.5
		106 Tone	13
		242 Tone	14.5
		484 Tone	14.5
	5670	26 Tone	8
		52 Tone	10.5
		106 Tone	13.5
		242 Tone	14.5
		484 Tone	14.5
	5755	26 Tone	23
		52 Tone	23
		106 Tone	23
		242 Tone	23
		484 Tone	23
	5795	26 Tone	23
		52 Tone	23
		106 Tone	23
		242 Tone	23
		484 Tone	23

Operating Mode	Test Frequency (MHz)	Resource Unit	Parameters of Test Software
IEEE 802.11ax (HE80)	5210	26 Tone	7.5
		52 Tone	8.5
		106 Tone	9.5
		242 Tone	10
		484 Tone	14
		996 Tone	15
	5290	26 Tone	8
		52 Tone	9
		106 Tone	10
		242 Tone	10
		484 Tone	14
		996 Tone	14.5
	5530	26 Tone	8
		52 Tone	9
		106 Tone	9
		242 Tone	12
		484 Tone	14
		996 Tone	14.5
	5610	26 Tone	8
		52 Tone	9
		106 Tone	10
		242 Tone	12
		484 Tone	14
		996 Tone	14.5
	5775	26 Tone	18
		52 Tone	19
		106 Tone	19
		242 Tone	19
		484 Tone	15
		996 Tone	23

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.

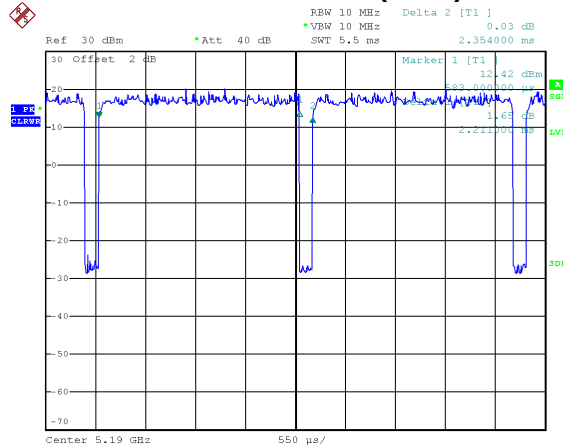
IEEE 802.11ax (HE20)



Date: 31.MAR.2020 21:31:10

Duty cycle = $2.178 \text{ ms} / 2.321 \text{ ms} = 93.84\%$
Duty Factor = $10 * \log(1 / 93.84\%) = 0.28 \text{ dB}$

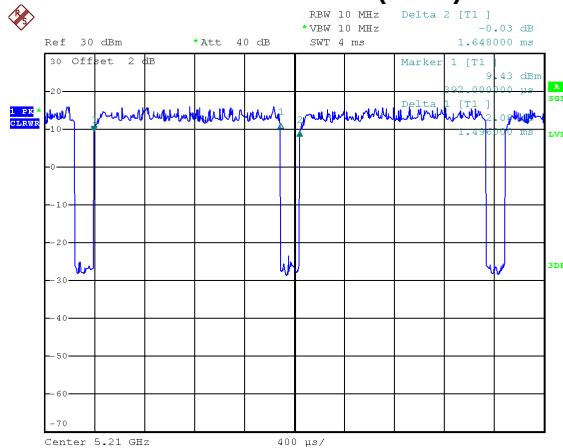
IEEE 802.11ax (HE40)



Date: 31.MAR.2020 21:34:47

Duty cycle = $2.211 \text{ ms} / 2.354 \text{ ms} = 93.93\%$
Duty Factor = $10 * \log(1 / 93.93\%) = 0.27 \text{ dB}$

IEEE 802.11ax (HE80)



Date: 31.MAR.2020 21:35:48

Duty cycle = $1.496 \text{ ms} / 1.648 \text{ ms} = 90.78\%$
Duty Factor = $10 * \log(1 / 90.78\%) = 0.42 \text{ dB}$

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 1 kHz (Duty cycle $< 98\%$).

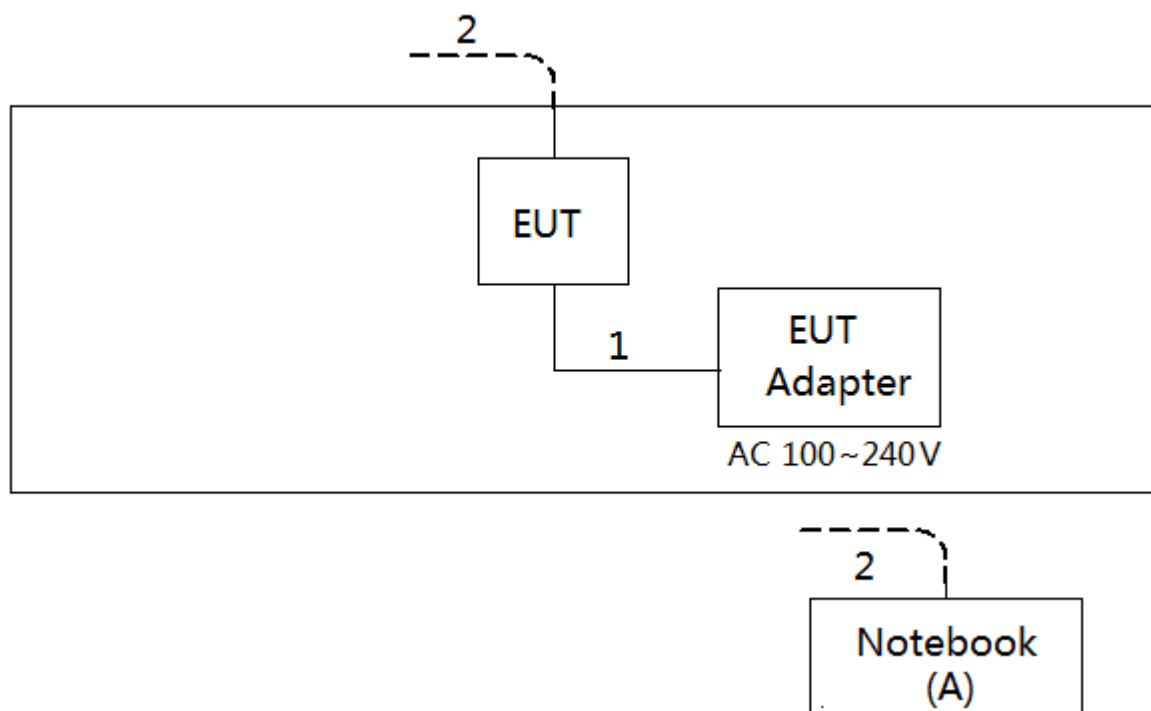
For IEEE 802.11ax (HE40):

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 1 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	Dell	Inspiron 15-7559	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	N/A	N/A	1m
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

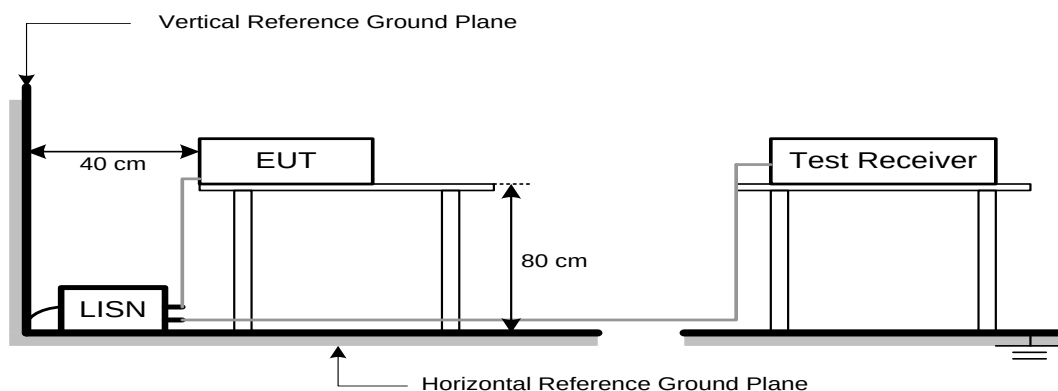
3.2 TEST PROCEDURE

- 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 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

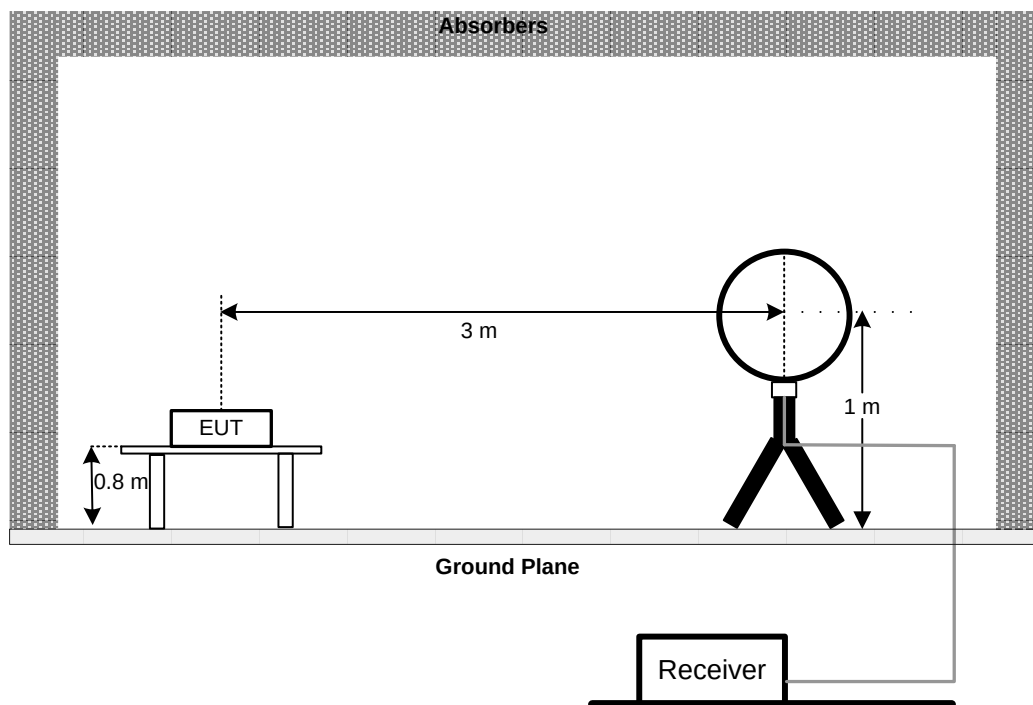
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance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

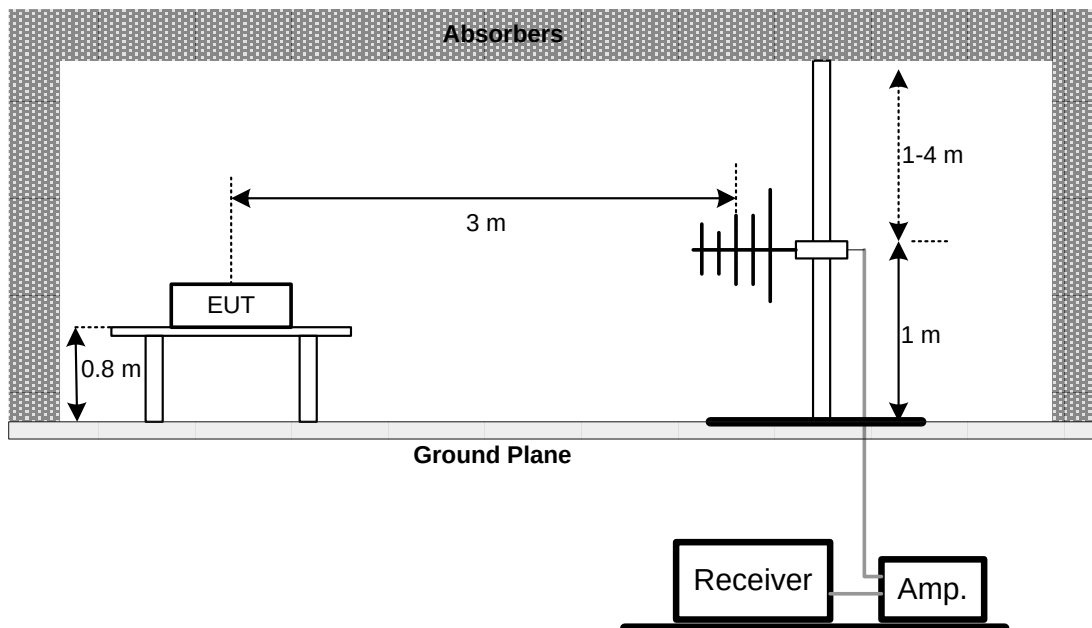
No deviation

4.4 TEST SETUP

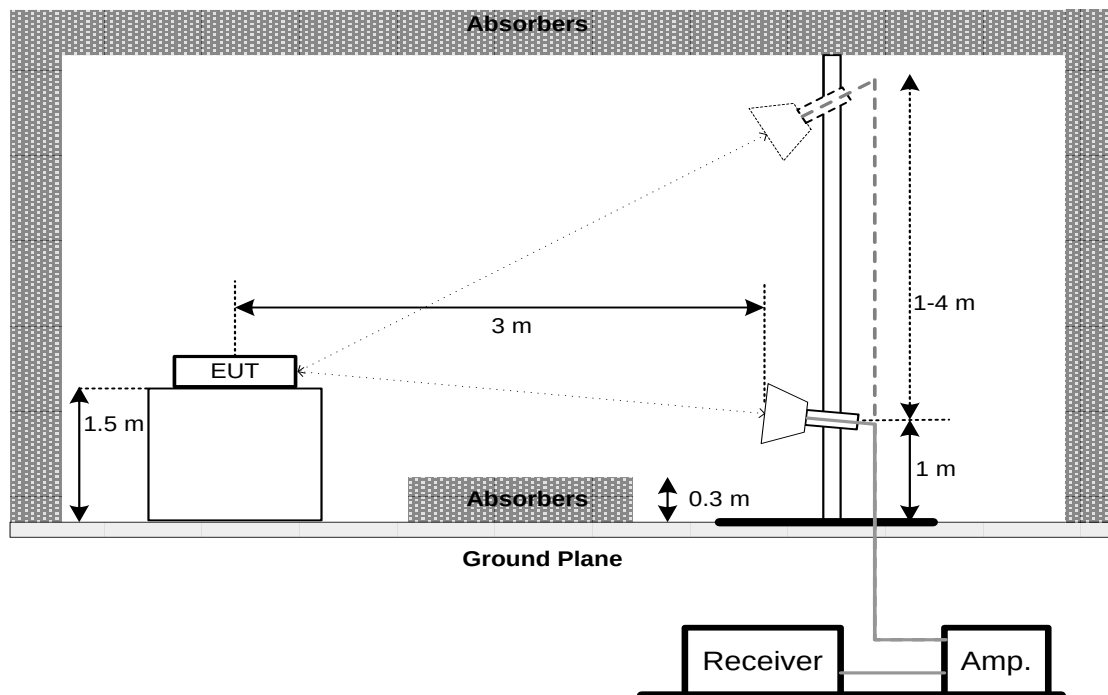
9 kHz to 30 MHz



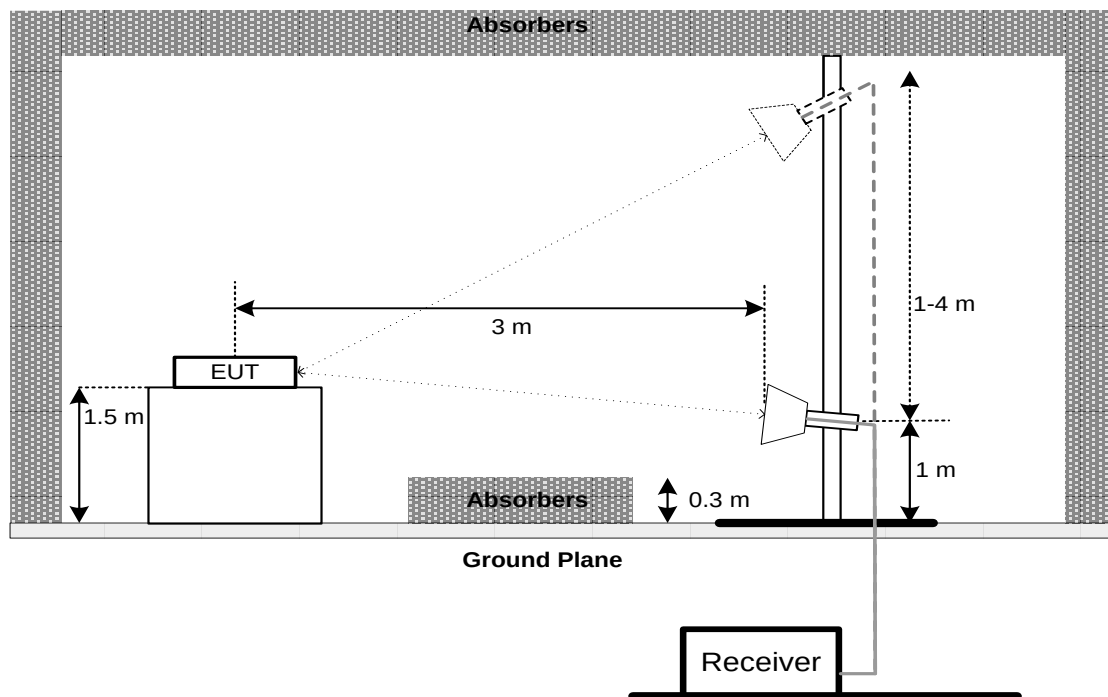
30 MHz to 1 GHz



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 - 30 MHz TO 1000 MHz

Please refer to the APPENDIX B.

4.7 TEST RESULTS - ABOVE 1000 MHz

Please refer to the APPENDIX C.

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 D.

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 E.

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 F.

8. 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. 21, 2021
2	TWO-LINE V-NETWORK	R&S	ENV216	101340	Sep. 01, 2020
3	Test Cable	emci	EMCRG400-BM-N M-10000	170628	Jul. 16, 2020
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 21, 2021
5	50Ω Terminator	SHX	TF2-1G-A	17051602	Mar. 21, 2021
6	50Ω coaxial switch	Anritsu	MP59B	6201750902	Mar. 21, 2021
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	Apr. 02, 2021
2	EMI Test Receiver	R&S	ESCI	100082	Mar. 21, 2021
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	Apr. 02, 2021
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 21, 2021
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	May. 06, 2021
4	Test Cable	emci	EMC104-SM-SM-7 000	170330	Apr. 13, 2021
5	Test Cable	emci	EMC104-SM-SM-1 000	170331	Apr. 13, 2021
6	Test Cable	emci	EMC104-SM-NM-3 500	170621	Apr. 13, 2021
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	Apr. 02, 2021
2	Pre-Amplifier	emci	EMC012645SE	980421	May. 11, 2021
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Mar. 21, 2021
4	Test Cable	emci	EMC104-SM-SM-7000	170330	Apr. 13, 2021
5	Test Cable	emci	EMC104-SM-SM-1000	170331	Apr. 13, 2021
6	Test Cable	emci	EMC104-SM-NM-3500	170621	Apr. 13, 2021
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 21, 2021

Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	Keysight	8990B	MY51000507	Mar. 21, 2021
2	Pulse Power Sensor	Keysight	N1923A	MY58310003	Mar. 21, 2021

Antenna Conducted Spurious Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021

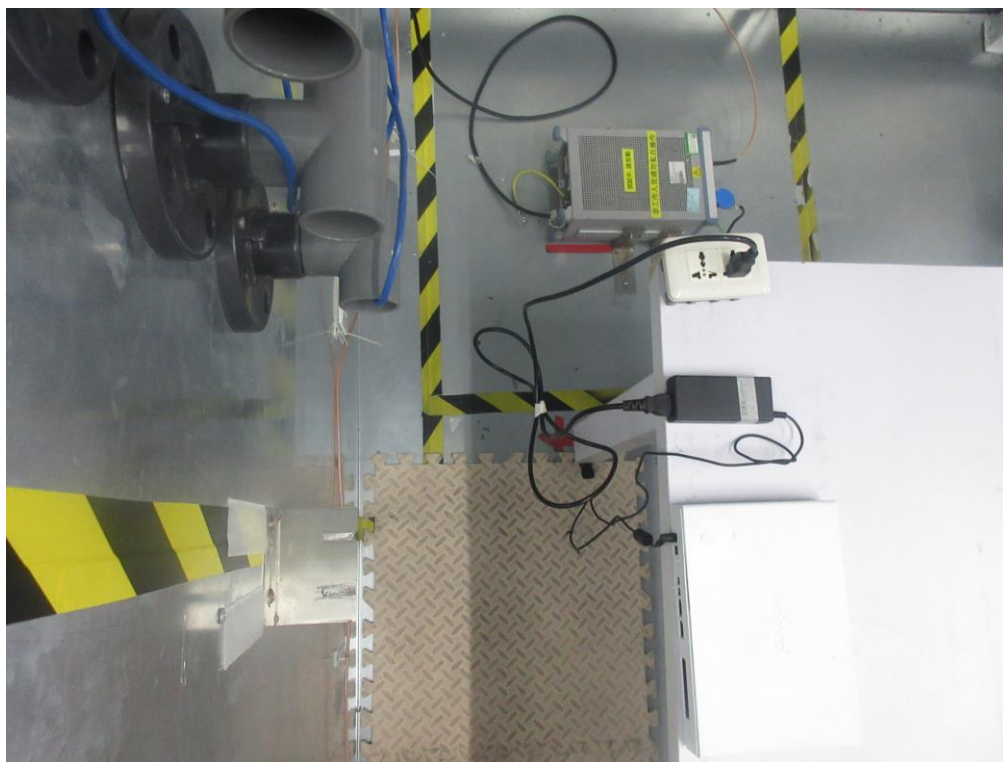
Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021

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

All calibration period of equipment list is one year.

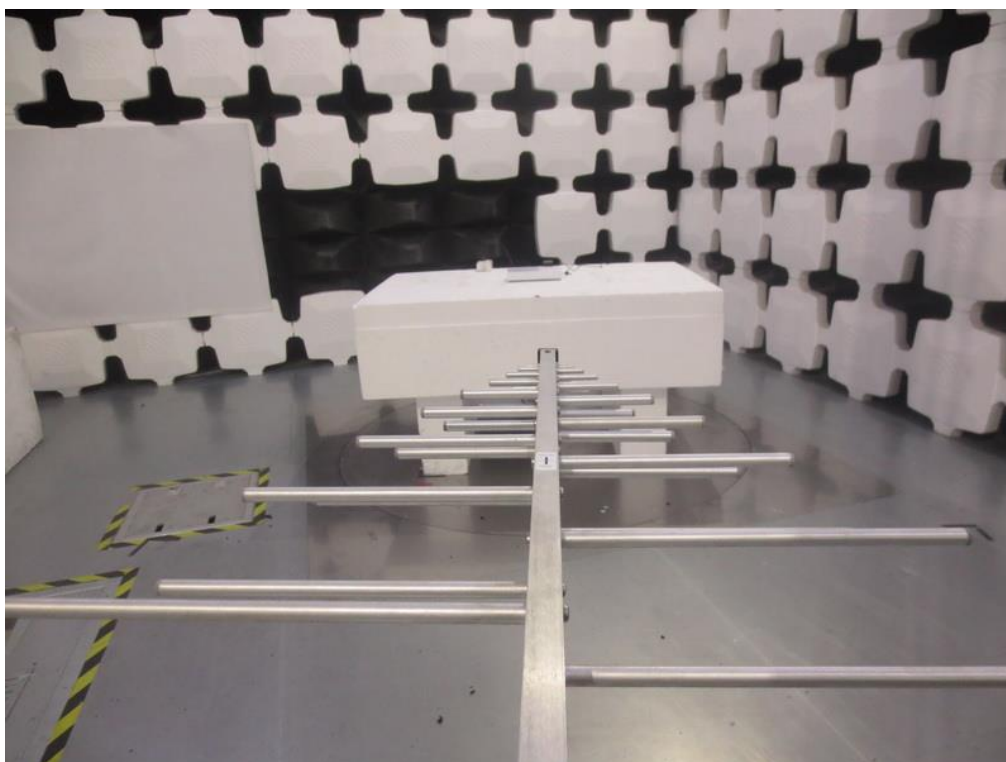
9. EUT TEST PHOTOS

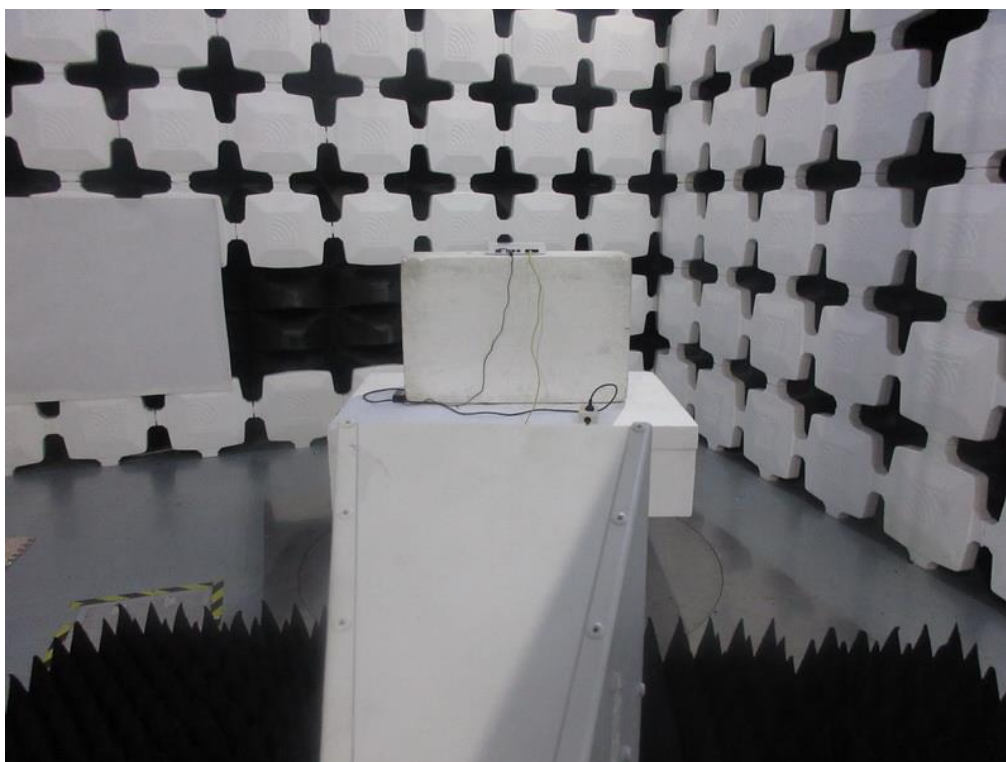
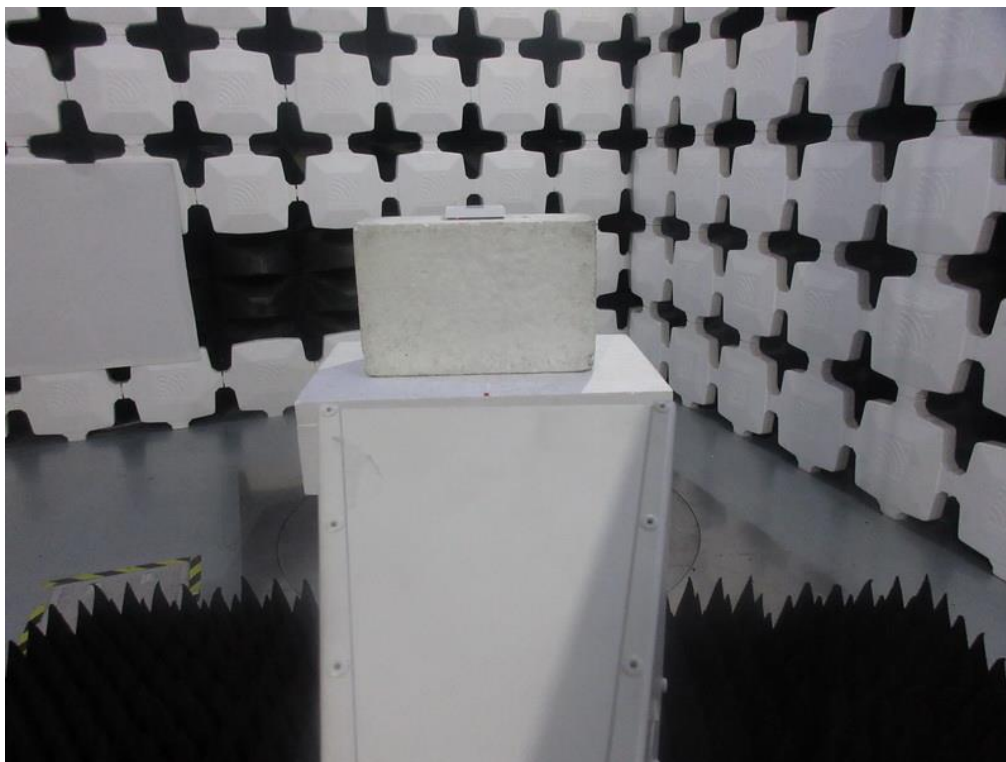
Conducted Emissions Test Photos



Radiated Emissions Test Photos

30 MHz to 1 GHz

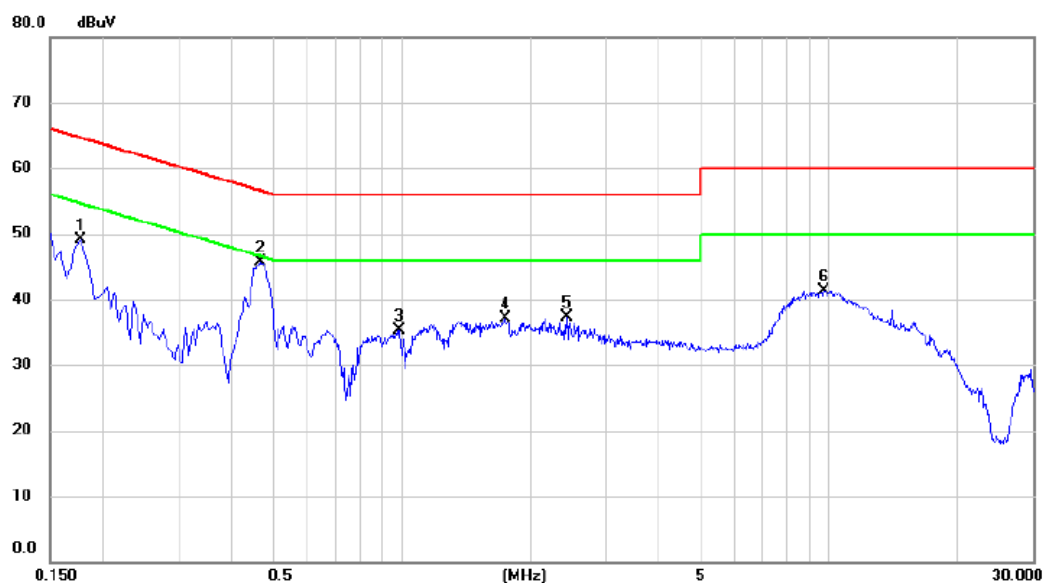


Radiated Emissions Test Photos**Above 1 GHz**

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

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

Line



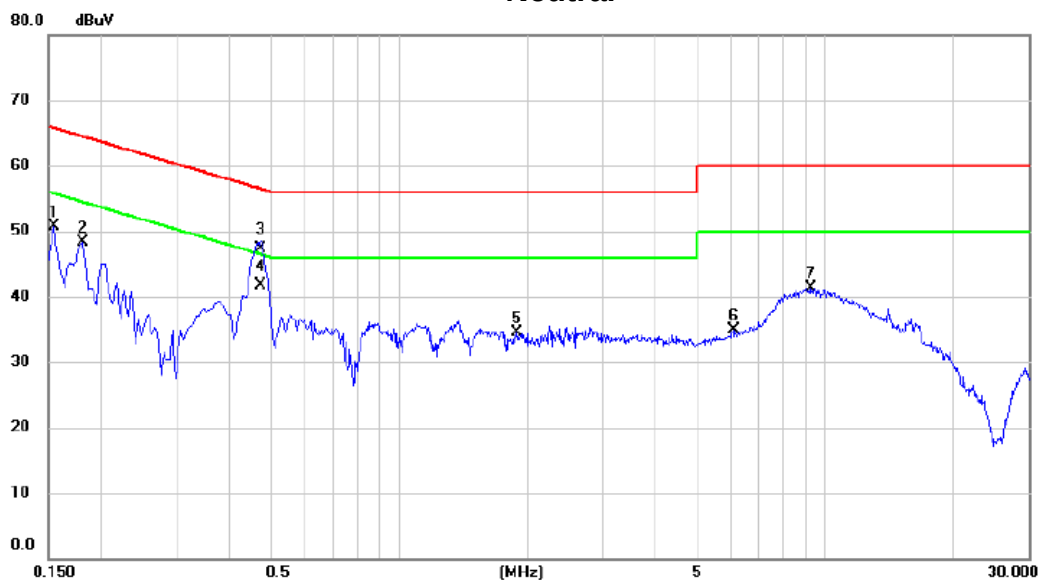
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1770	39.41	9.76	49.17	64.63	-15.46	peak	
2	*	0.4650	35.74	9.89	45.63	56.60	-10.97	peak	
3		0.9870	25.61	9.74	35.35	56.00	-20.65	peak	
4		1.7430	27.34	9.78	37.12	56.00	-18.88	peak	
5		2.4315	27.54	9.82	37.36	56.00	-18.64	peak	
6		9.7080	31.21	10.18	41.39	60.00	-18.61	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		0.1545	41.05	9.61	50.66	65.75	-15.09	peak	
2		0.1815	38.70	9.63	48.33	64.42	-16.09	peak	
3		0.4740	37.70	9.69	47.39	56.44	-9.05	QP	
4	*	0.4740	32.00	9.69	41.69	46.44	-4.75	AVG	
5		1.8915	24.78	9.78	34.56	56.00	-21.44	peak	
6		6.0810	24.89	10.01	34.90	60.00	-25.10	peak	
7		9.2265	31.21	10.14	41.35	60.00	-18.65	peak	

REMARKS:

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

APPENDIX B - RADIATED EMISSION - 30 MHZ TO 1 GHZ

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

Vertical



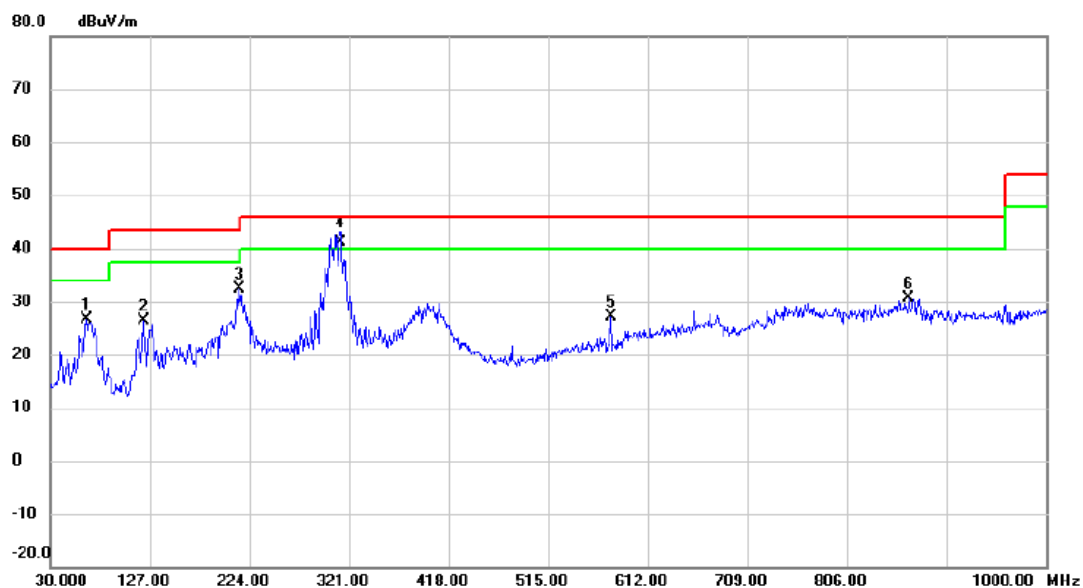
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	53.2800	45.57	-17.25	28.32	40.00	-11.68	peak	
2		214.7850	45.77	-18.15	27.62	43.50	-15.88	peak	
3		307.9050	48.10	-14.19	33.91	46.00	-12.09	peak	
4		730.3400	34.01	-7.42	26.59	46.00	-19.41	peak	
5		872.4450	35.44	-5.75	29.69	46.00	-16.31	peak	
6		960.2300	37.09	-5.09	32.00	54.00	-22.00	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	64.9200	45.47	-18.85	26.62	40.00	-13.38	peak	
2	120.6950	43.40	-17.06	26.34	43.50	-17.16	peak	
3	214.7850	50.47	-18.15	32.32	43.50	-11.18	peak	
4 *	312.7550	55.19	-14.12	41.07	46.00	-4.93	QP	
5	576.1100	36.94	-9.88	27.06	46.00	-18.94	peak	
6	866.6250	36.36	-5.82	30.54	46.00	-15.46	peak	

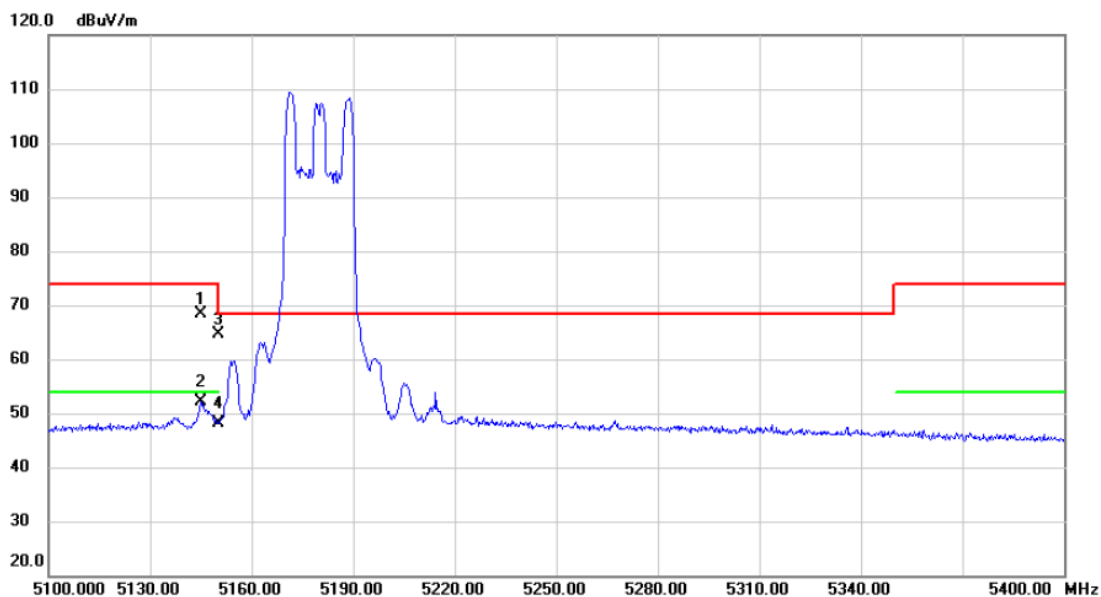
REMARKS:

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

APPENDIX C - RADIATED EMISSION - ABOVE 1000 MHZ

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5180 MHz	RU configuration	26

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5145.000	29.31	39.07	68.38	74.00	-5.62	peak	
2	*	5145.000	13.09	39.07	52.16	54.00	-1.84	AVG	
3		5150.000	25.62	39.07	64.69	74.00	-9.31	peak	
4		5150.000	8.96	39.07	48.03	54.00	-5.97	AVG	

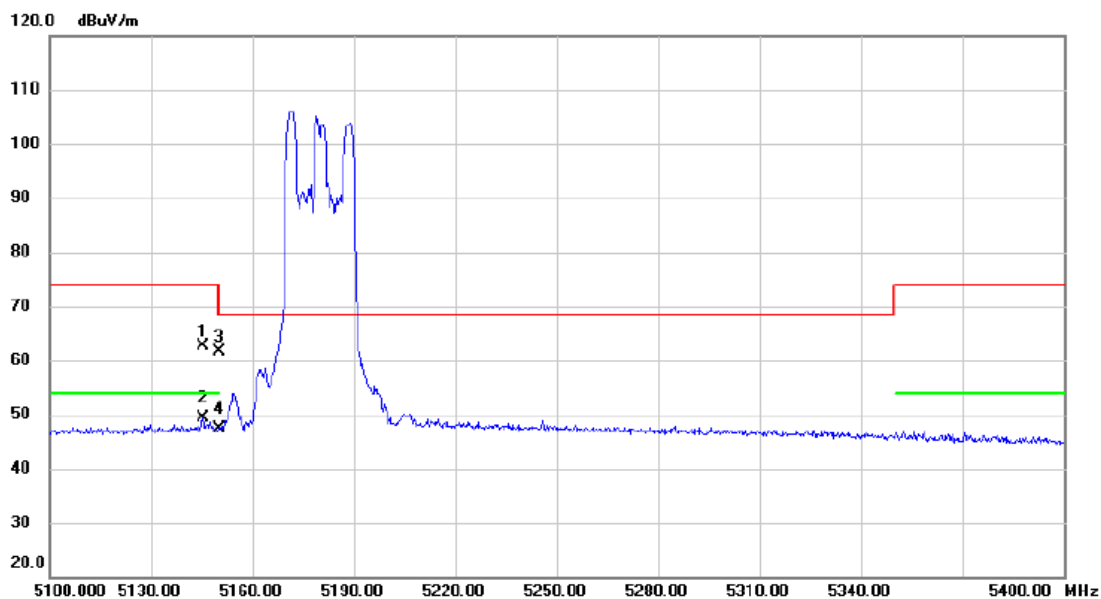
REMARKS:

(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 5180 MHz	RU configuration	26

Horizontal



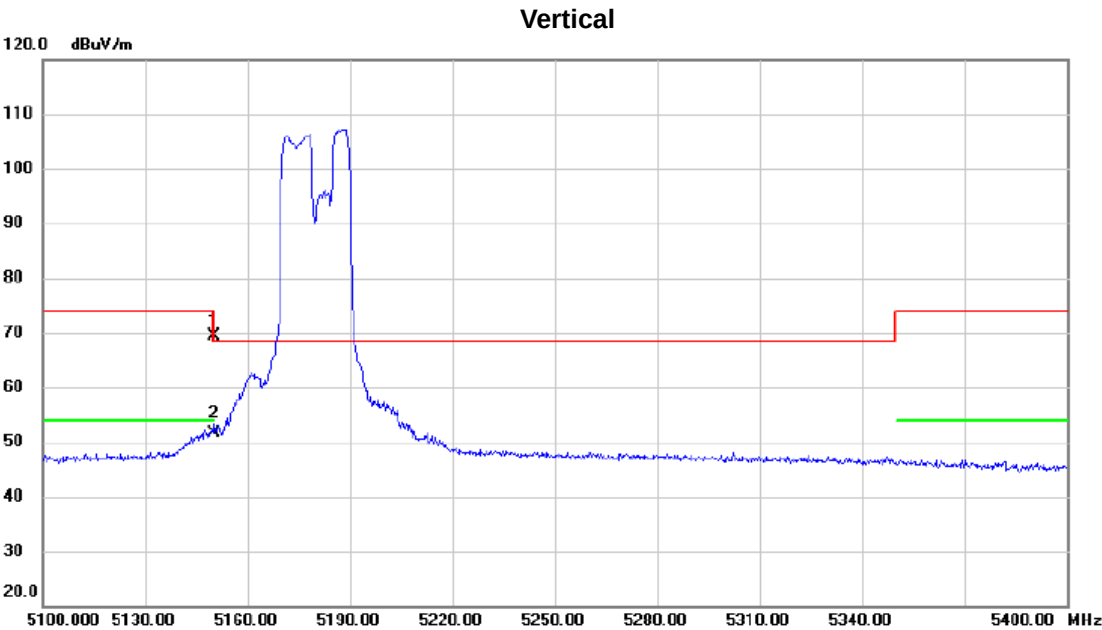
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5145.300	23.60	39.07	62.67	74.00	-11.33	peak	
2	*	5145.300	10.41	39.07	49.48	54.00	-4.52	AVG	
3		5150.000	22.63	39.07	61.70	74.00	-12.30	peak	
4		5150.000	8.27	39.07	47.34	54.00	-6.66	AVG	

REMARKS:

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

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

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

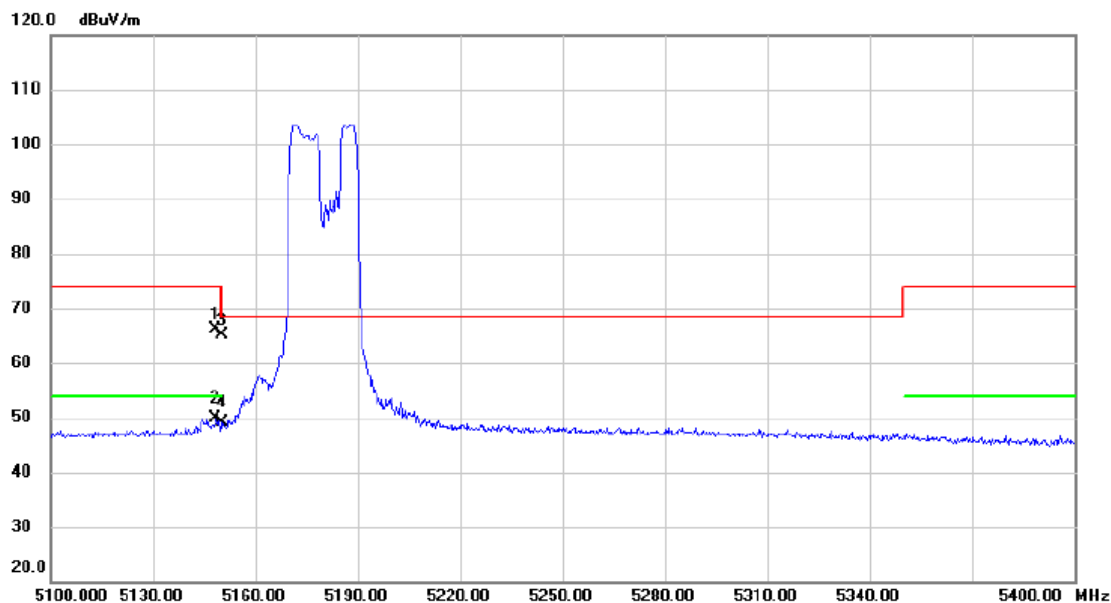


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	30.43	39.07	69.50	74.00	-4.50	peak	
2	*	5150.000	12.62	39.07	51.69	54.00	-2.31	AVG	

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 5180 MHz	RU configuration	52

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5148.300	26.98	39.07	66.05	74.00	-7.95	peak	
2	*	5148.300	10.79	39.07	49.86	54.00	-4.14	AVG	
3		5150.000	26.10	39.07	65.17	74.00	-8.83	peak	
4		5150.000	9.95	39.07	49.02	54.00	-4.98	AVG	

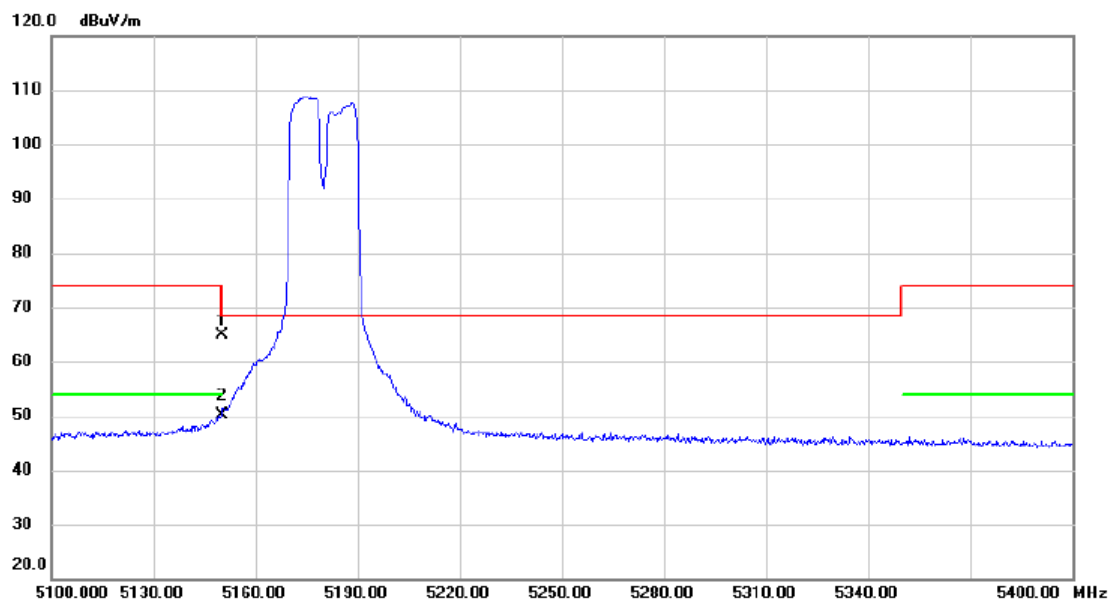
REMARKS:

(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 5180 MHz	RU configuration	106

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	25.79	39.07	64.86	74.00	-9.14	peak	
2	*	5150.000	11.05	39.07	50.12	54.00	-3.88	AVG	

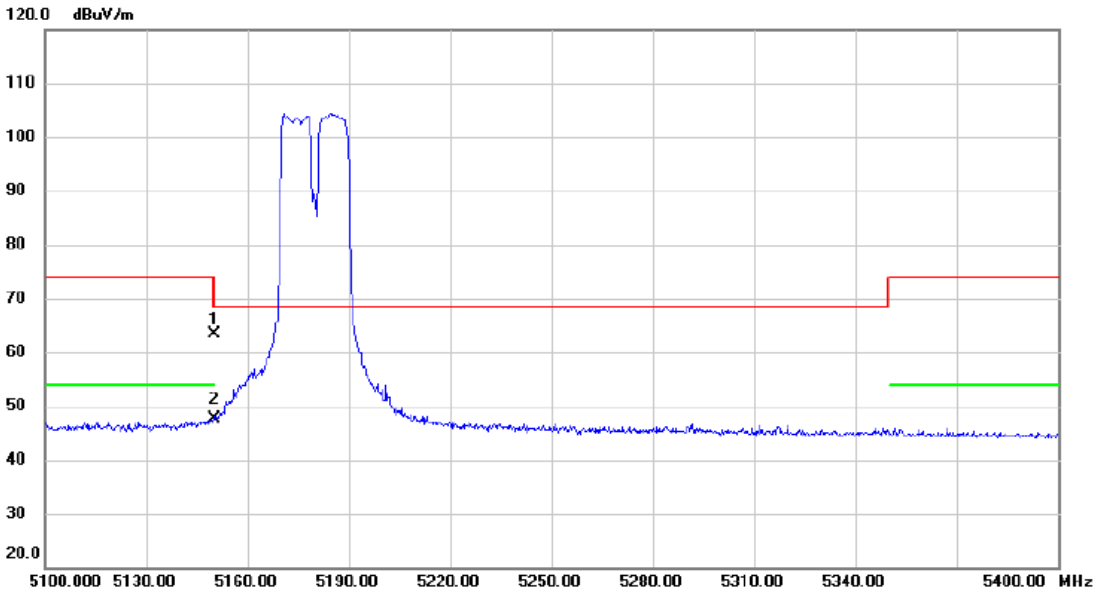
REMARKS:

(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 5180 MHz	RU configuration	106

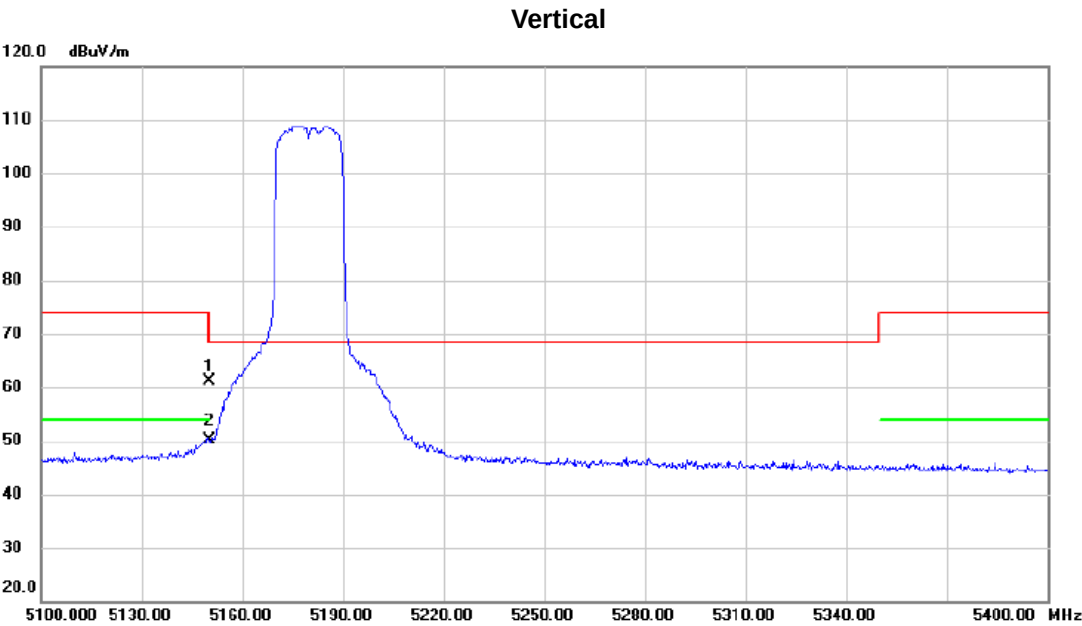
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	24.43	39.07	63.50	74.00	-10.50	peak	
2	*	5150.000	8.48	39.07	47.55	54.00	-6.45	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 5180 MHz	RU configuration	242



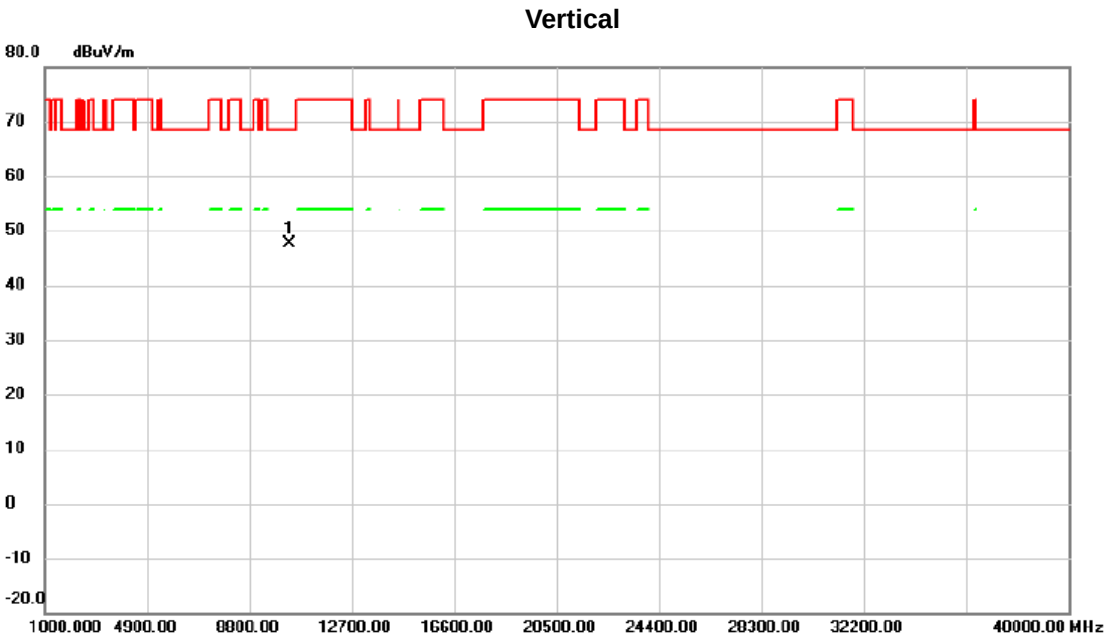
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	22.14	39.07	61.21	74.00	-12.79	peak	
2	*	5150.000	11.05	39.07	50.12	54.00	-3.88	AVG	

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 5180 MHz	RU configuration	242



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10359.73	49.27	-1.64	47.63	68.30	-20.67	peak	

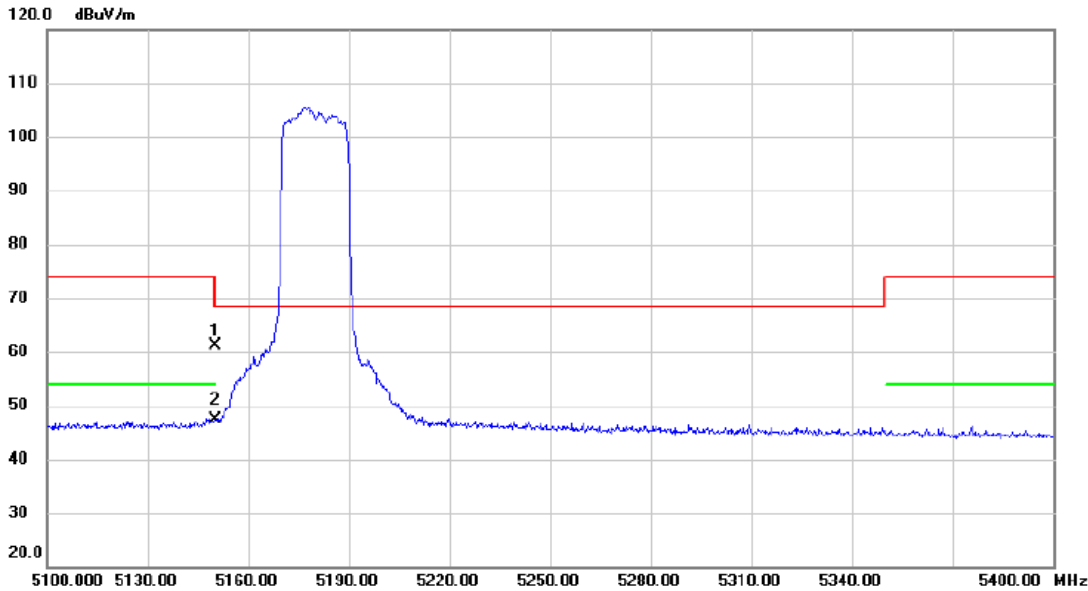
REMARKS:

(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	242

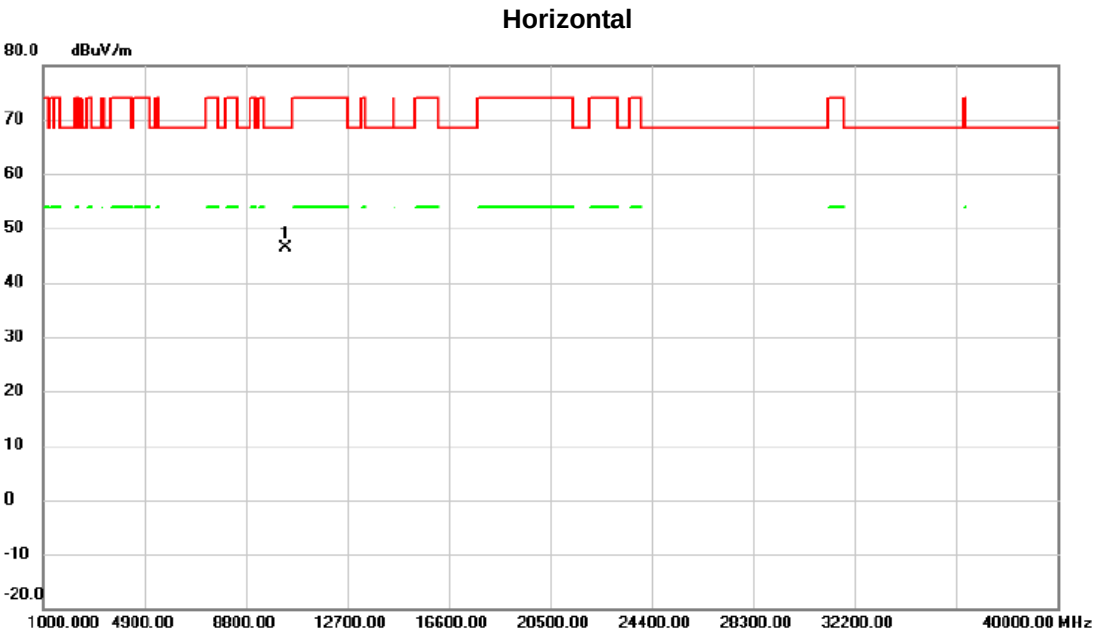
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	22.14	39.07	61.21	74.00	-12.79	peak	
2	*	5150.000	8.19	39.07	47.26	54.00	-6.74	AVG	

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

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



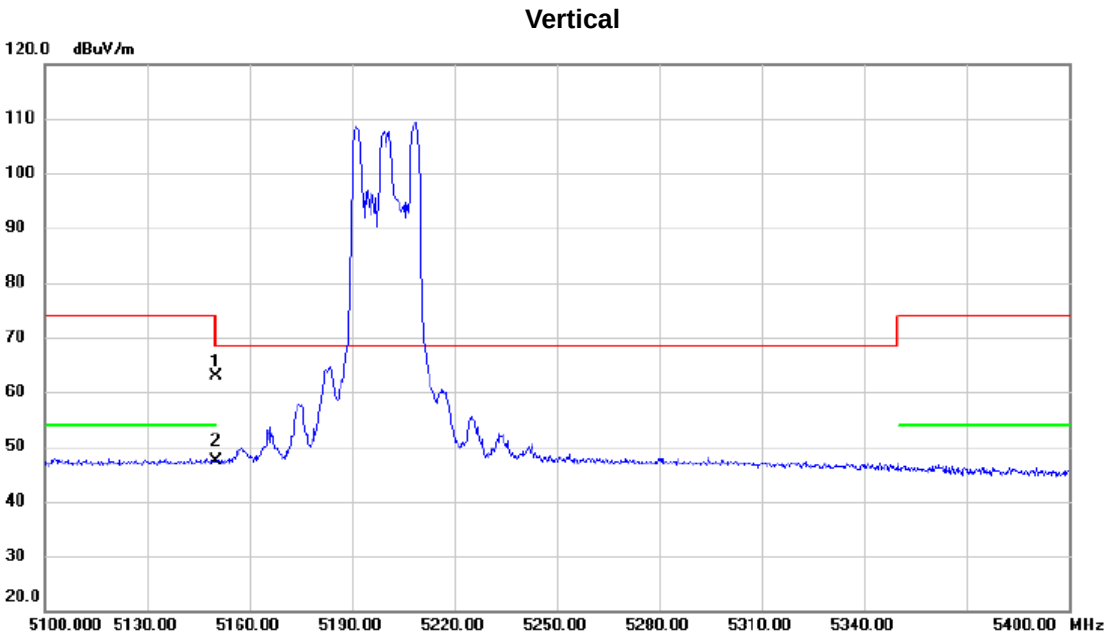
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10358.75	48.12	-1.64	46.48	68.30	-21.82	peak	

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 5200 MHz	RU configuration	26

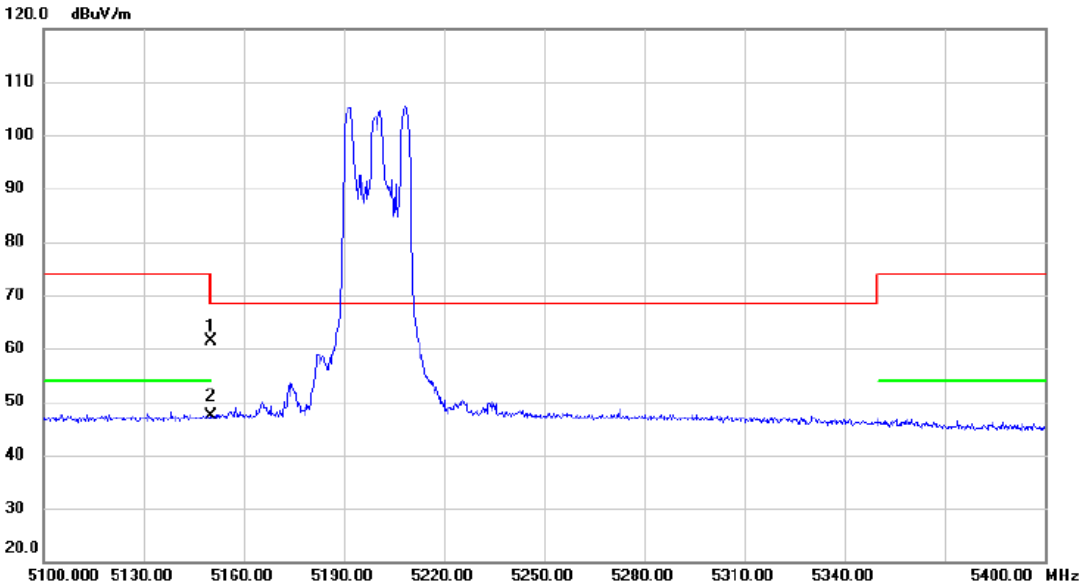


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	23.77	39.07	62.84	74.00	-11.16	peak	
2	*	5150.000	8.30	39.07	47.37	54.00	-6.63	AVG	

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	26

Horizontal

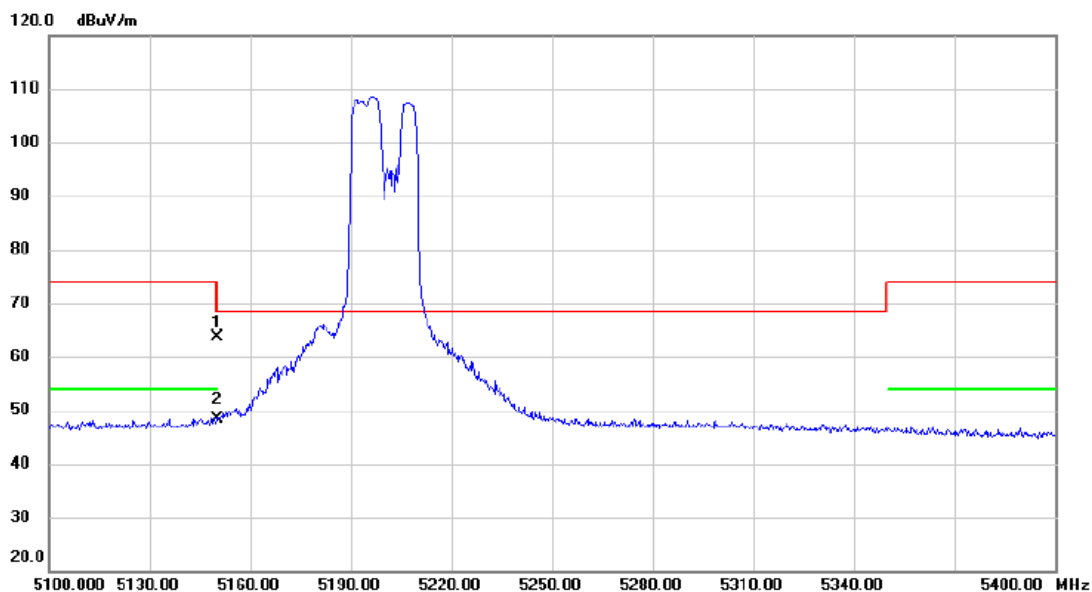


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	22.21	39.07	61.28	74.00	-12.72	peak	
2	*	5150.000	8.22	39.07	47.29	54.00	-6.71	AVG	

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

Vertical



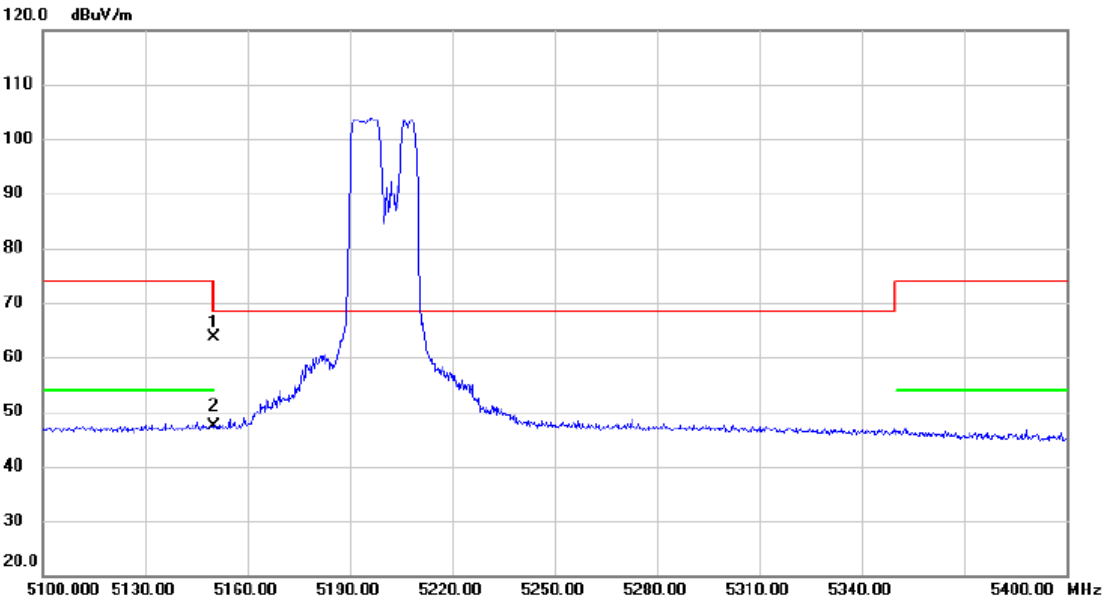
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	24.54	39.07	63.61	74.00	-10.39	peak	
2	*	5150.000	9.42	39.07	48.49	54.00	-5.51	AVG	

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

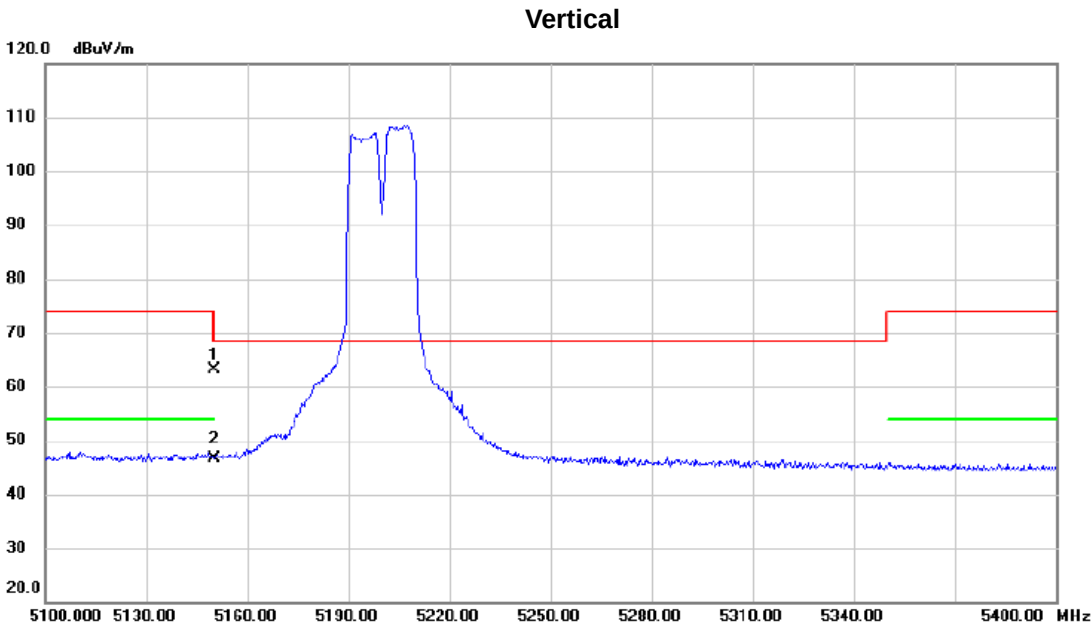
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	24.66	39.07	63.73	74.00	-10.27	peak	
2	*	5150.000	8.22	39.07	47.29	54.00	-6.71	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	106



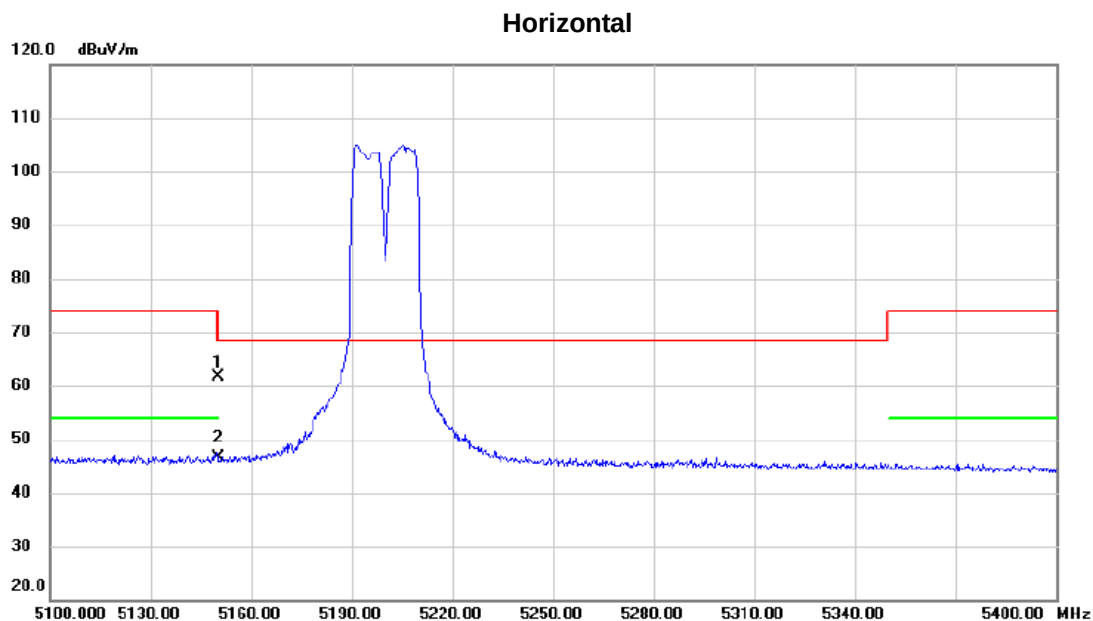
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	24.01	39.07	63.08	74.00	-10.92	peak	
2	*	5150.000	7.67	39.07	46.74	54.00	-7.26	AVG	

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	106

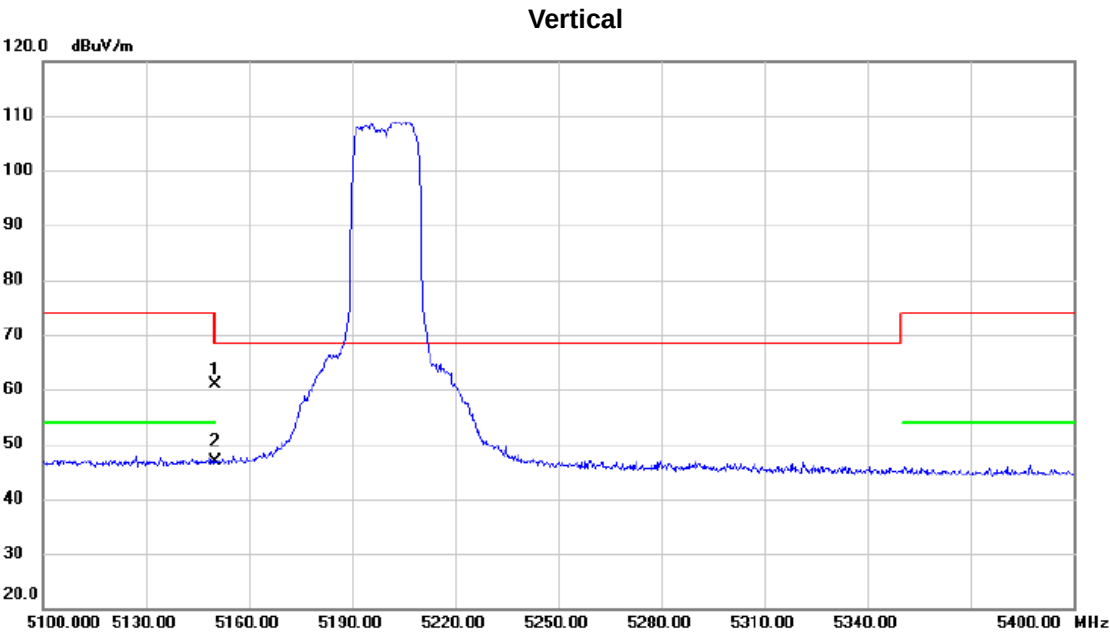


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	22.51	39.07	61.58	74.00	-12.42	peak	
2	*	5150.000	7.54	39.07	46.61	54.00	-7.39	AVG	

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	242

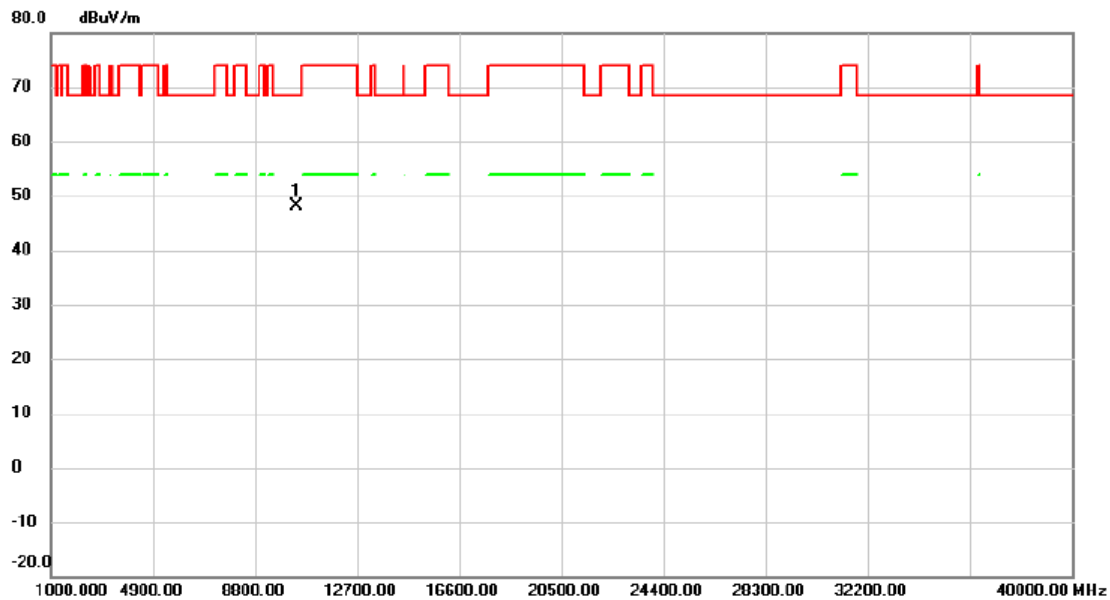


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	21.81	39.07	60.88	74.00	-13.12	peak	
2	*	5150.000	7.70	39.07	46.77	54.00	-7.23	AVG	

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	242

Vertical



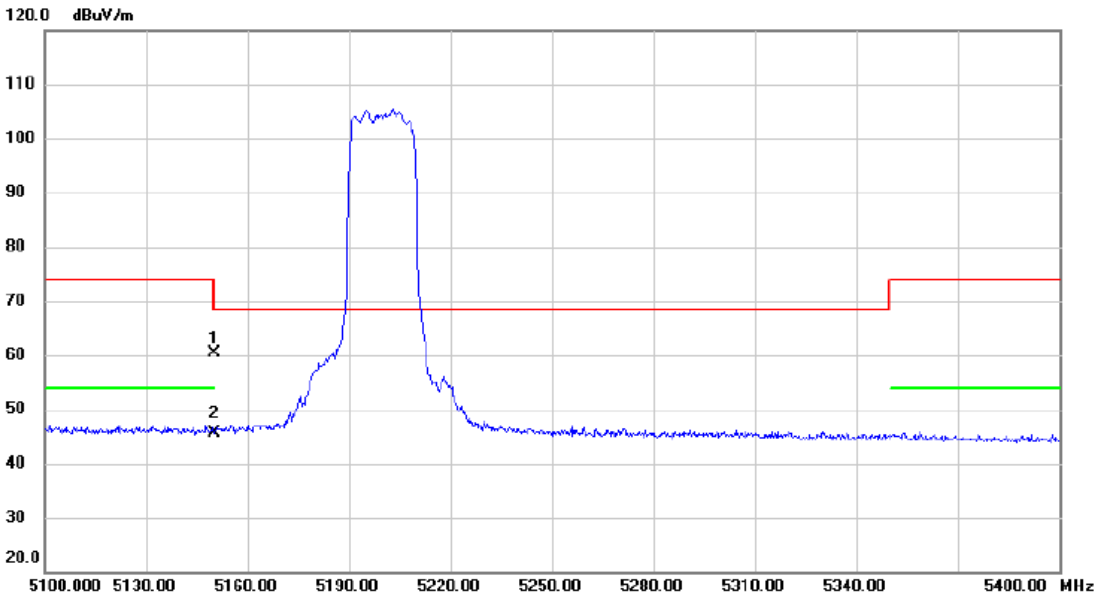
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10399.60	49.81	-1.60	48.21	68.30	-20.09	peak	

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 5200 MHz	RU configuration	242

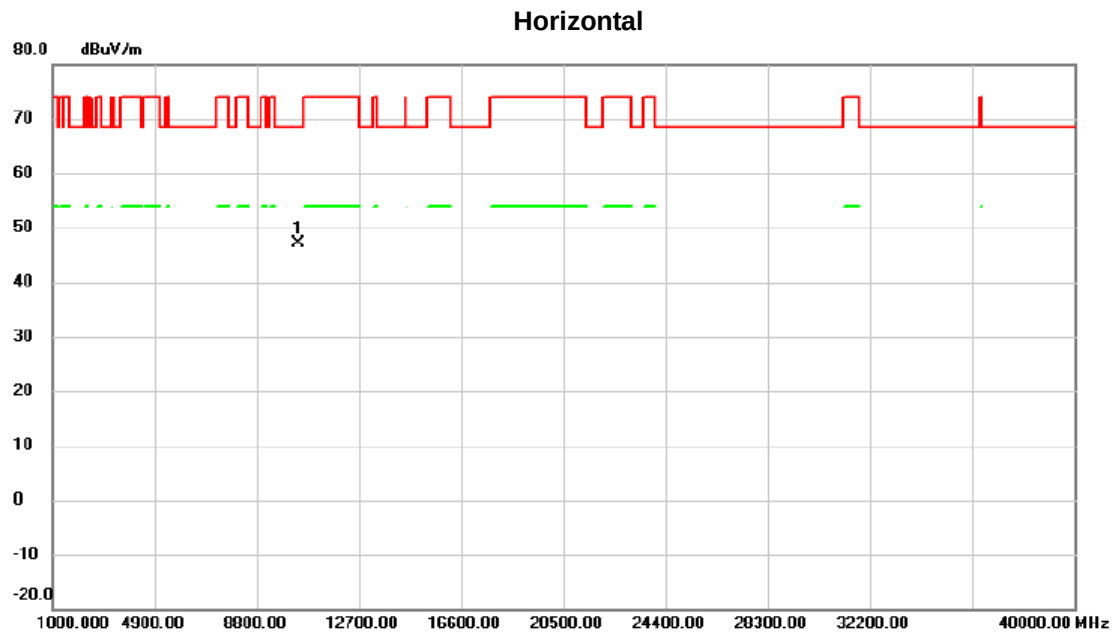
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	21.34	39.07	60.41	74.00	-13.59	peak	
2	*	5150.000	6.64	39.07	45.71	54.00	-8.29	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	242

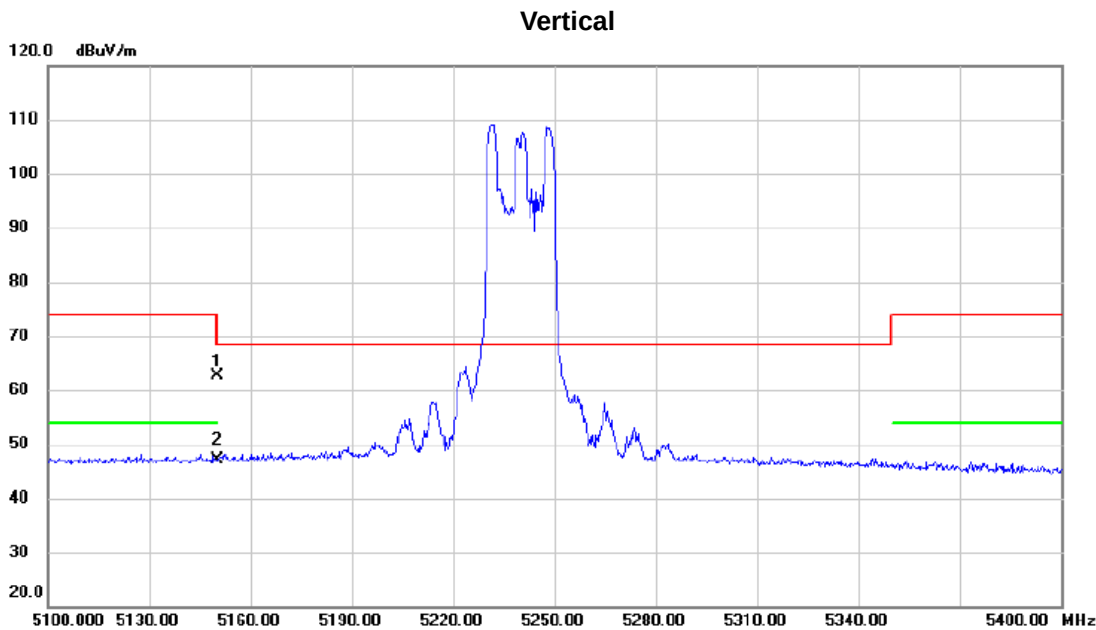


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.47	48.72	-1.60	47.12	68.30	-21.18	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5240 MHz	RU configuration	26

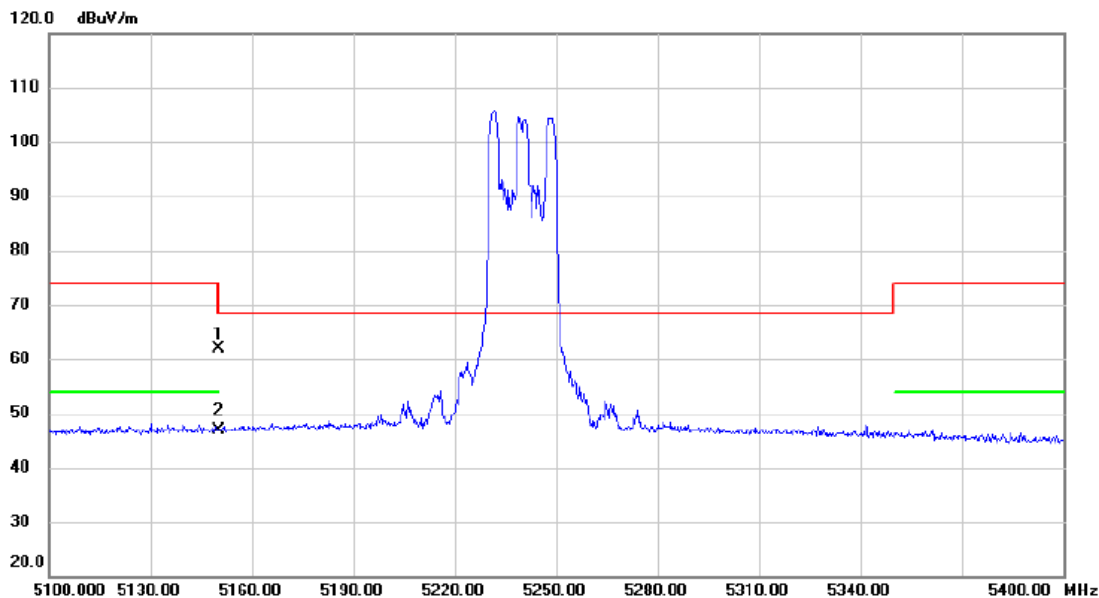


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	23.49	39.07	62.56	74.00	-11.44	peak	
2	*	5150.000	8.06	39.07	47.13	54.00	-6.87	AVG	

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	26

Horizontal

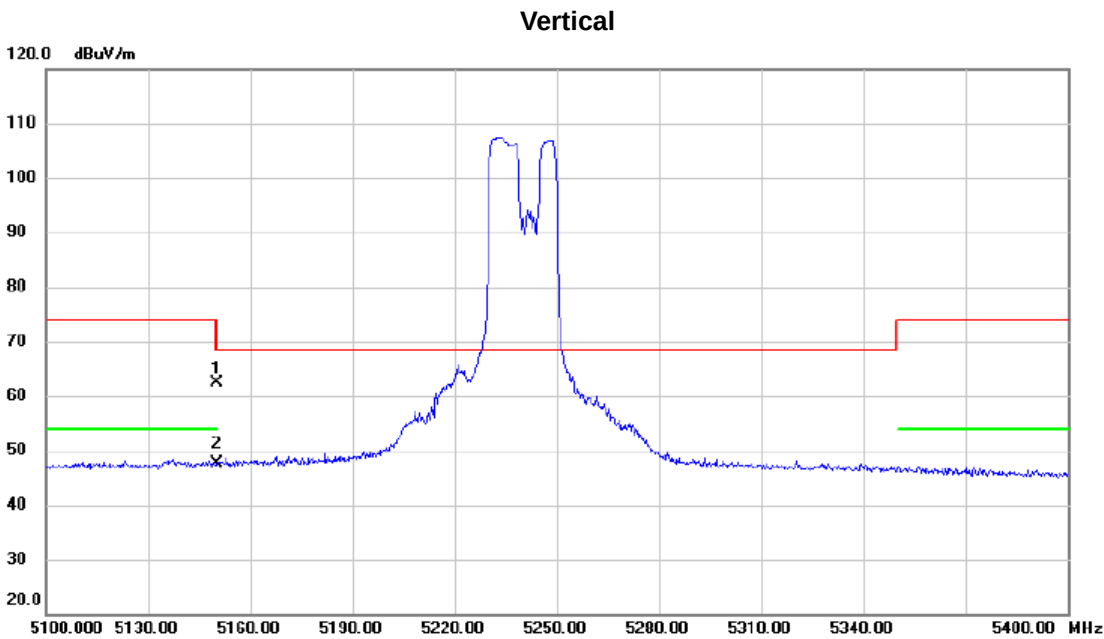


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	22.81	39.07	61.88	74.00	-12.12	peak	
2	*	5150.000	7.85	39.07	46.92	54.00	-7.08	AVG	

REMARKS:

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

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

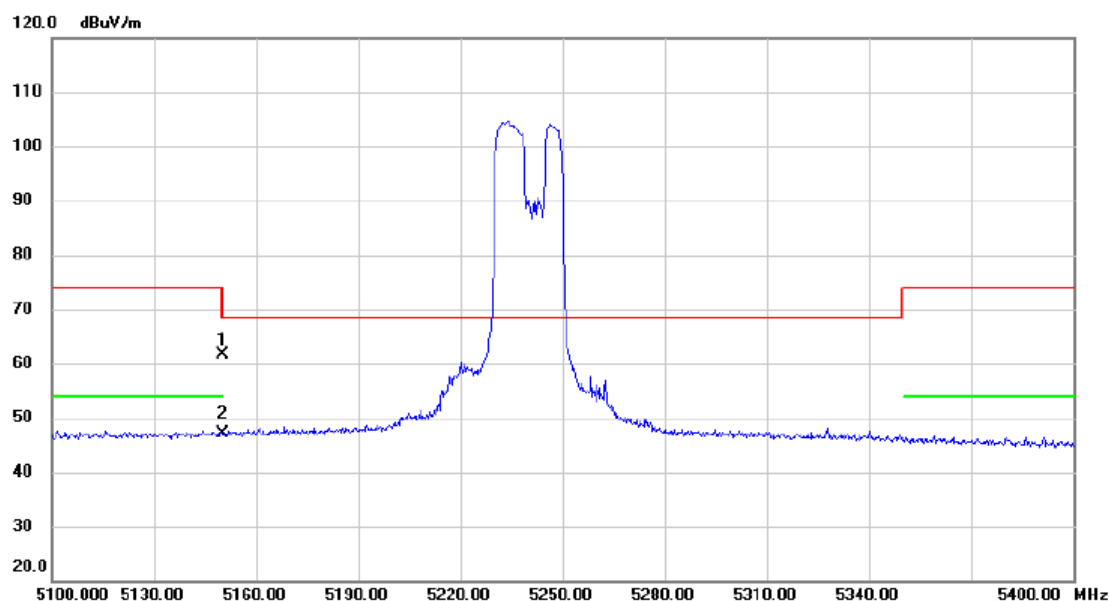


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	23.23	39.07	62.30	74.00	-11.70	peak	
2	*	5150.000	8.68	39.07	47.75	54.00	-6.25	AVG	

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

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

Horizontal

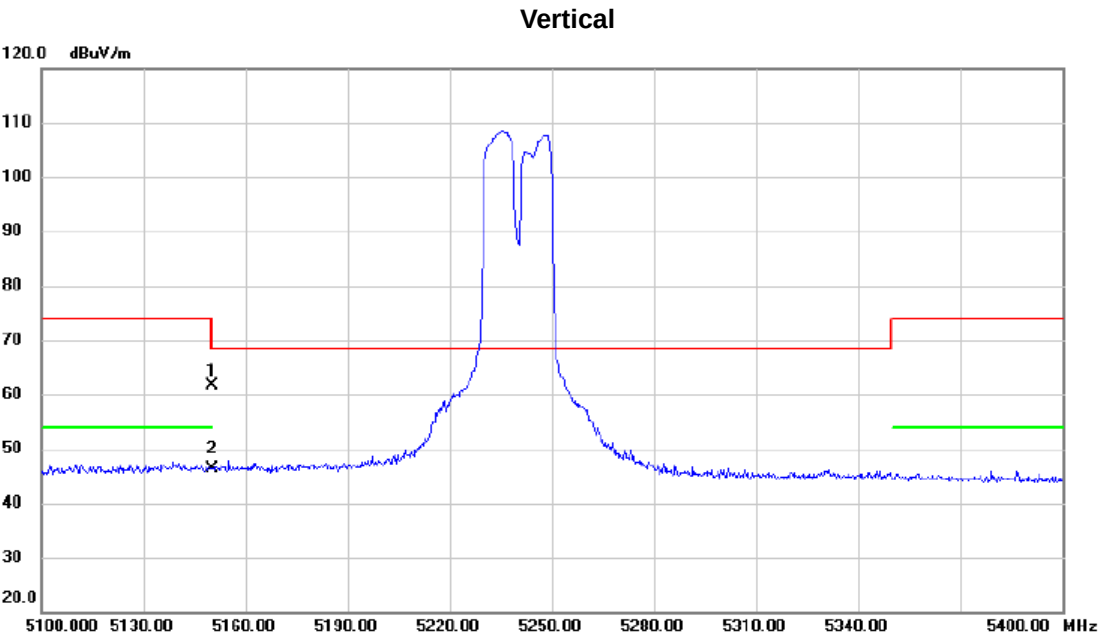


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	22.53	39.07	61.60	74.00	-12.40	peak	
2	*	5150.000	8.10	39.07	47.17	54.00	-6.83	AVG	

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	106

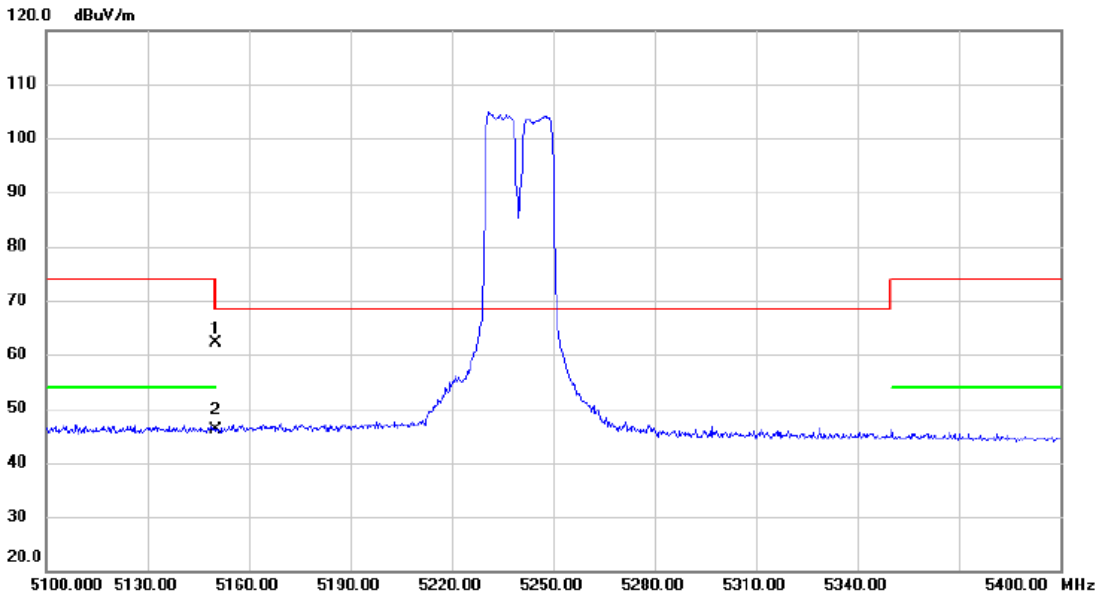


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	22.56	39.07	61.63	74.00	-12.37	peak	
2	*	5150.000	7.34	39.07	46.41	54.00	-7.59	AVG	

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	106

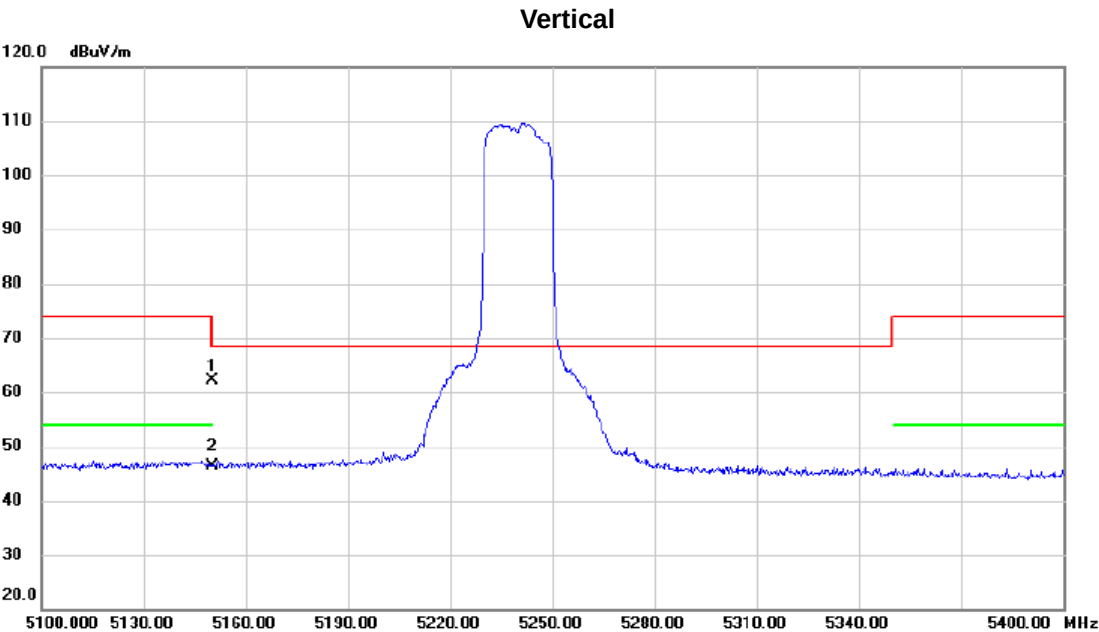
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	23.00	39.07	62.07	74.00	-11.93	peak	
2	*	5150.000	7.08	39.07	46.15	54.00	-7.85	AVG	

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

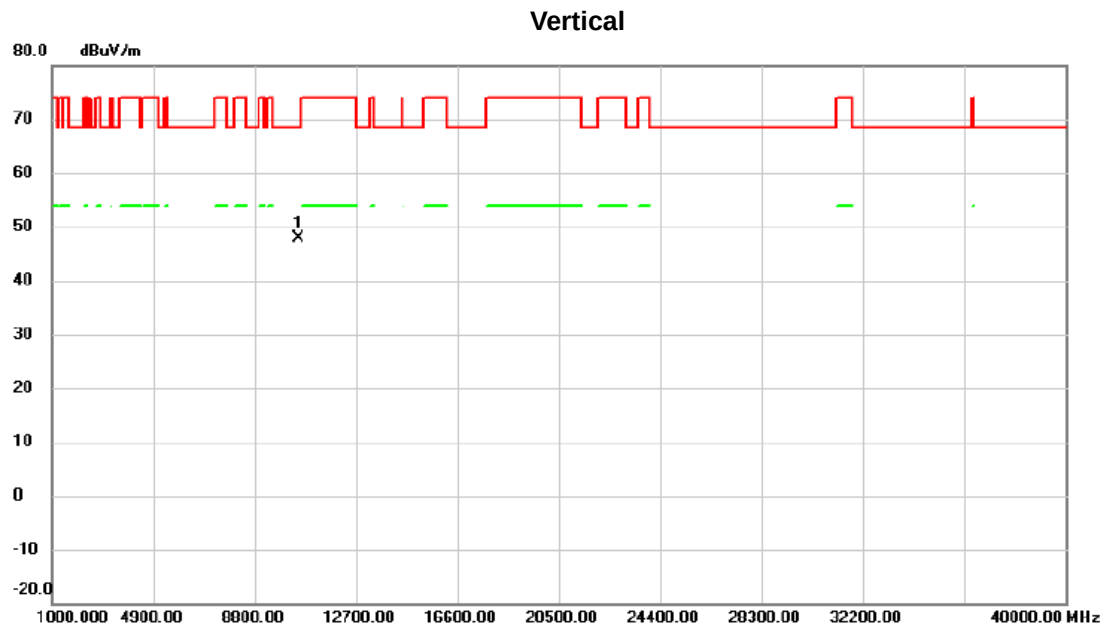
Orthogonal Axis	X		
Test Mode	UNII-1_TX AX (HE20) Mode 5240 MHz	RU configuration	242



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	23.02	39.07	62.09	74.00	-11.91	peak	
2	*	5150.000	7.31	39.07	46.38	54.00	-7.62	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	242



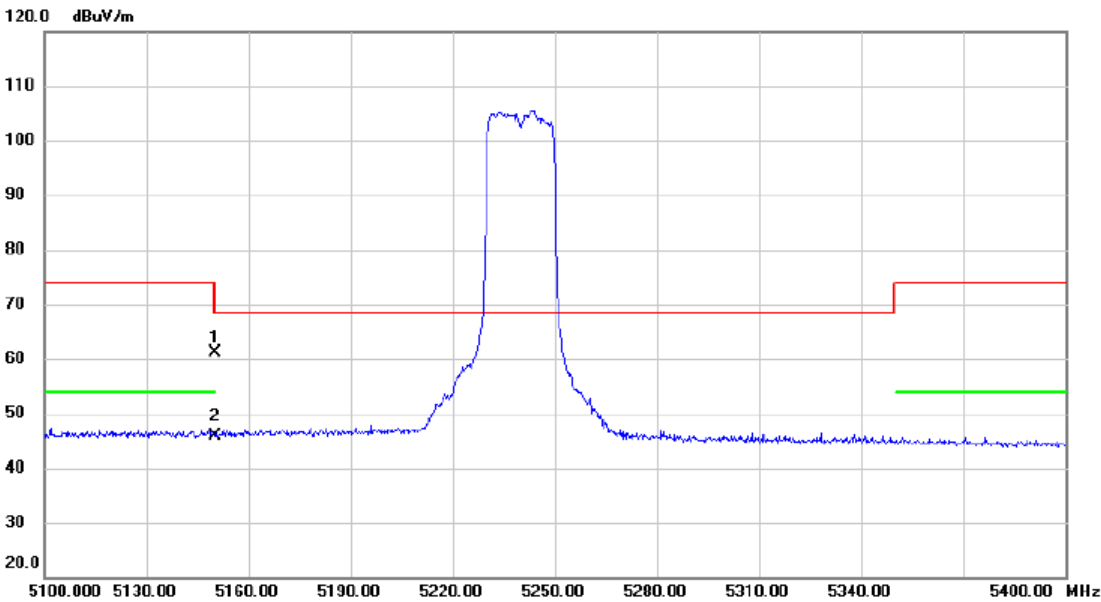
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	10479.49	49.45	-1.54	47.91	68.30	-20.39	peak	

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 5240 MHz	RU configuration	242

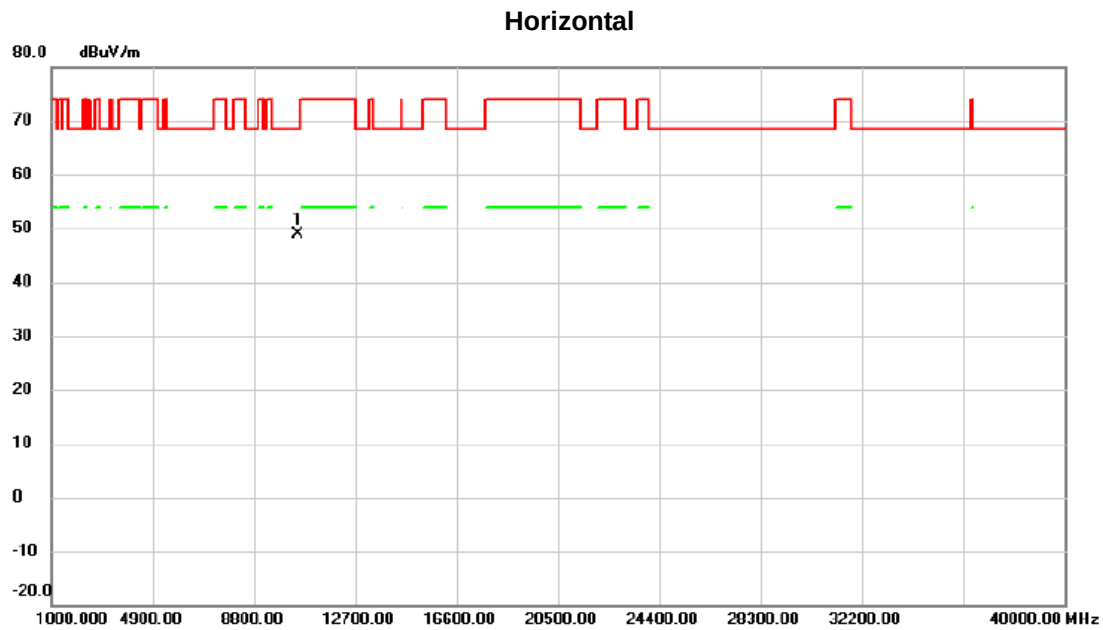
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5150.000	22.02	39.07	61.09	74.00	-12.91	peak	
2	*	5150.000	6.74	39.07	45.81	54.00	-8.19	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	242

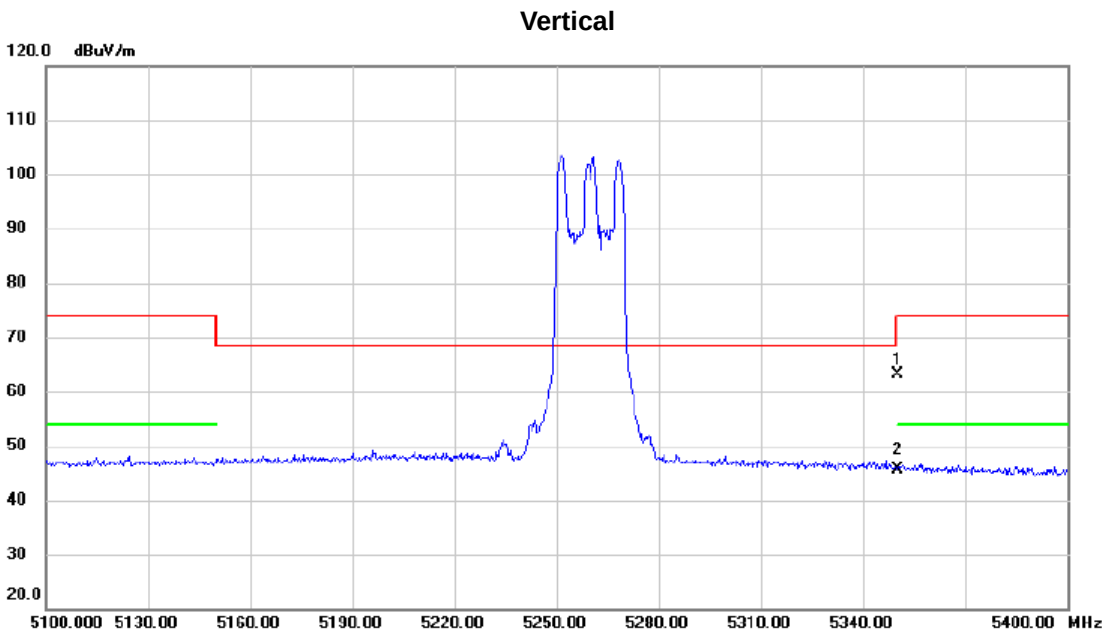


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	10480.10	50.52	-1.53	48.99	68.30	-19.31	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5260 MHz	RU configuration	26

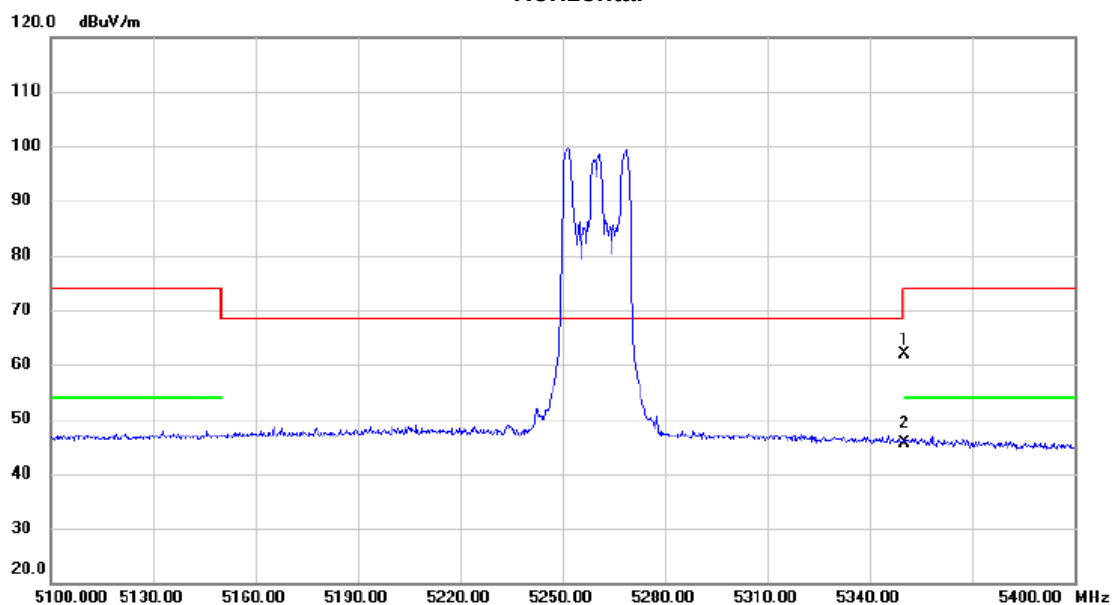


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	23.88	39.32	63.20	74.00	-10.80	peak	
2	*	5350.000	6.41	39.32	45.73	54.00	-8.27	AVG	

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5260 MHz	RU configuration	26

Horizontal



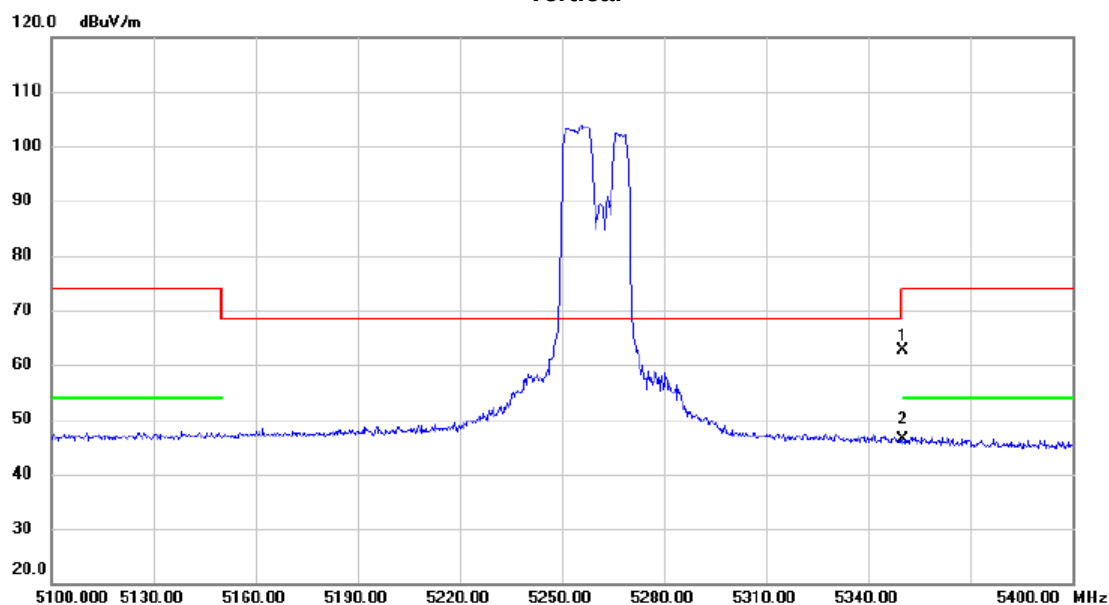
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	22.67	39.32	61.99	74.00	-12.01	peak	
2	*	5350.000	6.35	39.32	45.67	54.00	-8.33	AVG	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5260 MHz	RU configuration	52

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	23.36	39.32	62.68	74.00	-11.32	peak	
2	*	5350.000	7.17	39.32	46.49	54.00	-7.51	AVG	

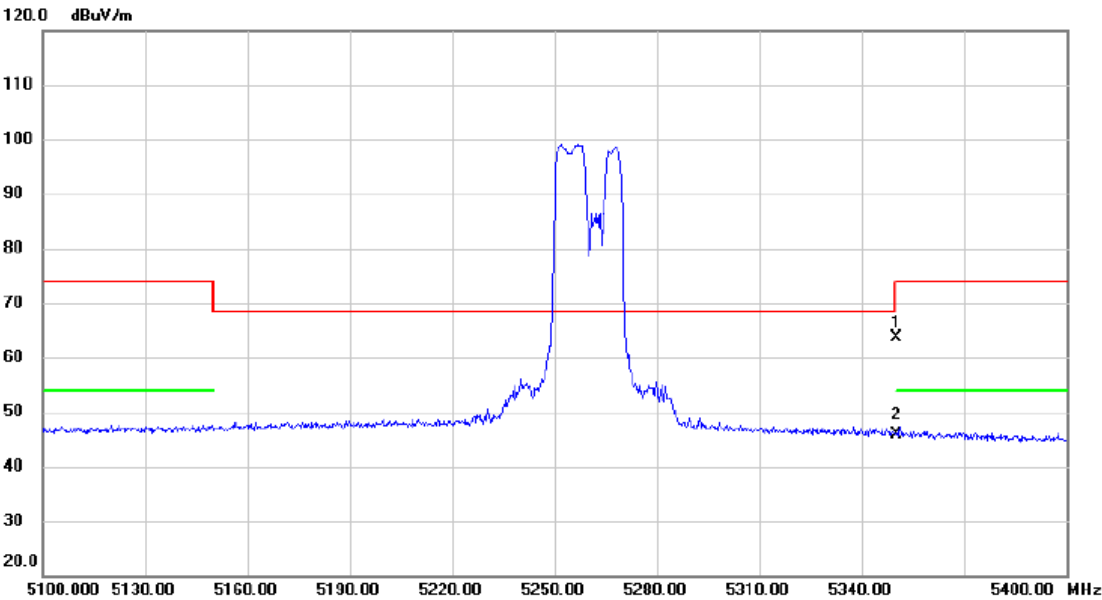
REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5260 MHz	RU configuration	52

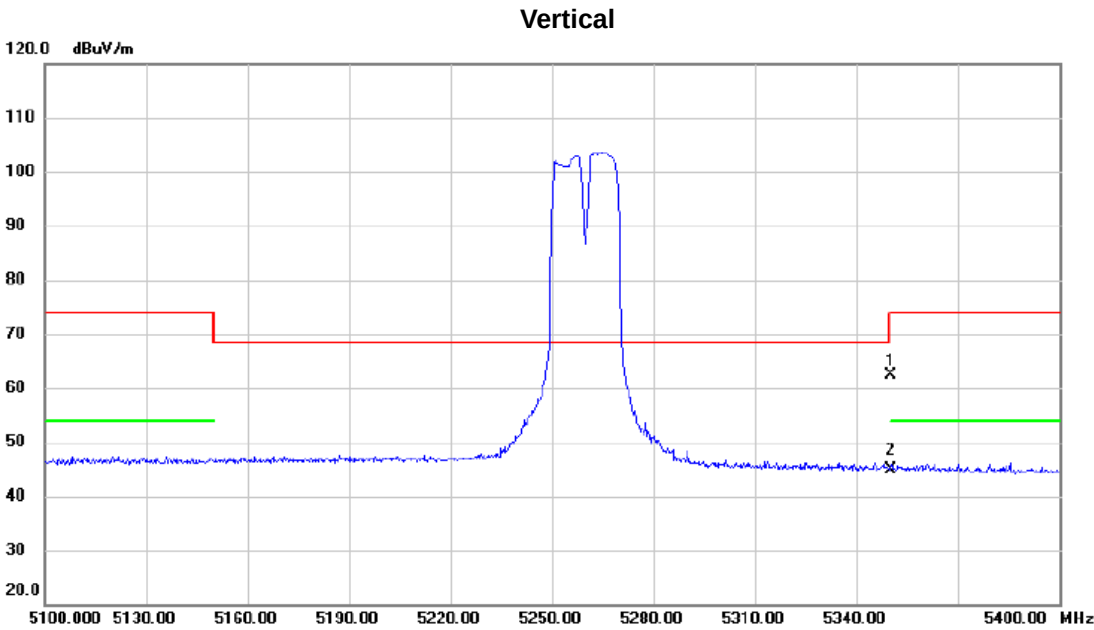
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	24.30	39.32	63.62	74.00	-10.38	peak	
2	*	5350.000	6.55	39.32	45.87	54.00	-8.13	AVG	

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5260 MHz	RU configuration	106

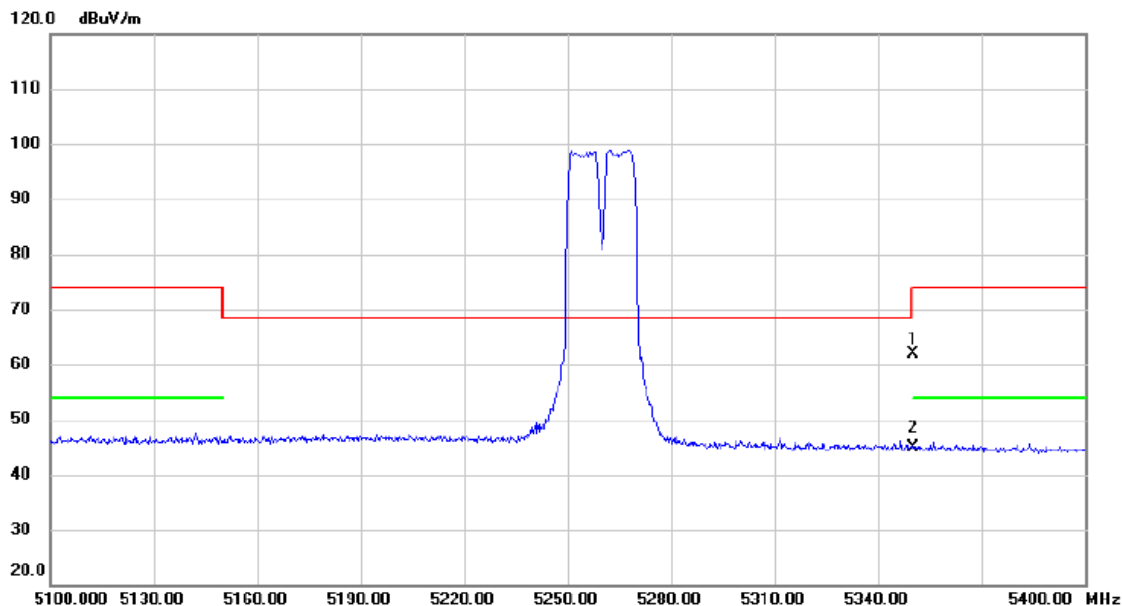


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	23.06	39.32	62.38	74.00	-11.62	peak	
2	*	5350.000	5.64	39.32	44.96	54.00	-9.04	AVG	

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5260 MHz	RU configuration	106

Horizontal



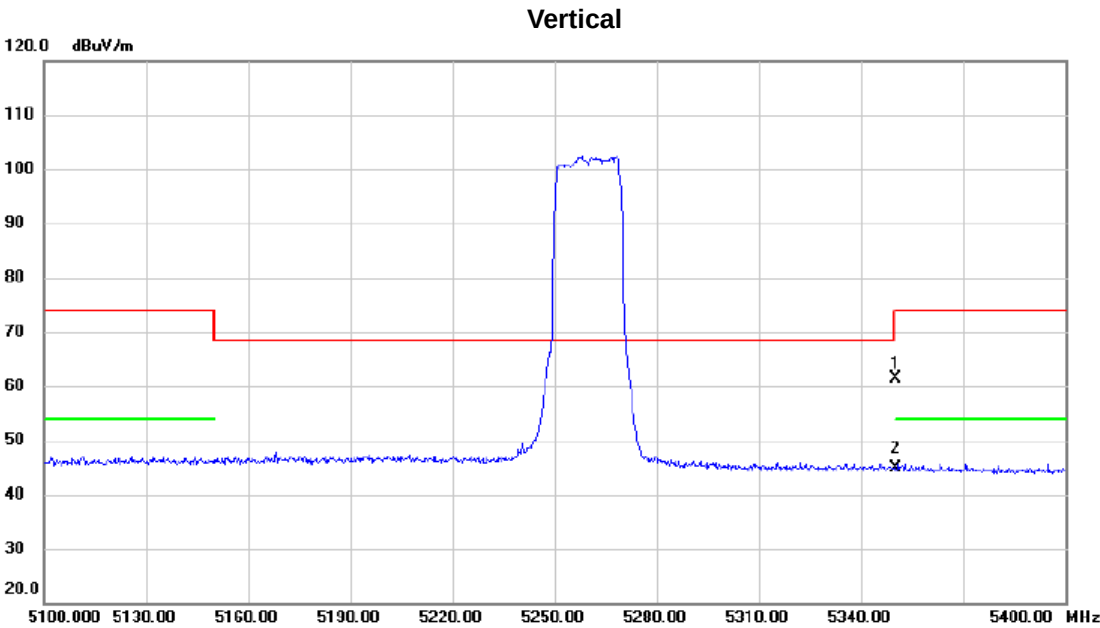
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5350.000	22.45	39.32	61.77	74.00	-12.23	peak	
2 *	5350.000	5.67	39.32	44.99	54.00	-9.01	AVG	

REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5260 MHz	RU configuration	242



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	22.14	39.32	61.46	74.00	-12.54	peak	
2	*	5350.000	5.52	39.32	44.84	54.00	-9.16	AVG	

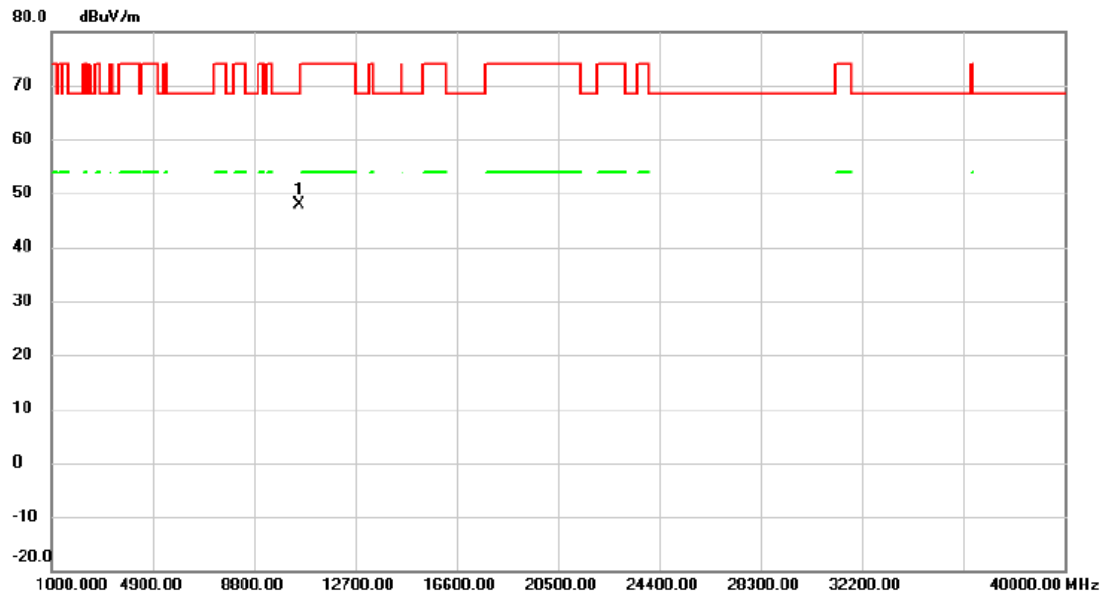
REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5260 MHz	RU configuration	242

Vertical



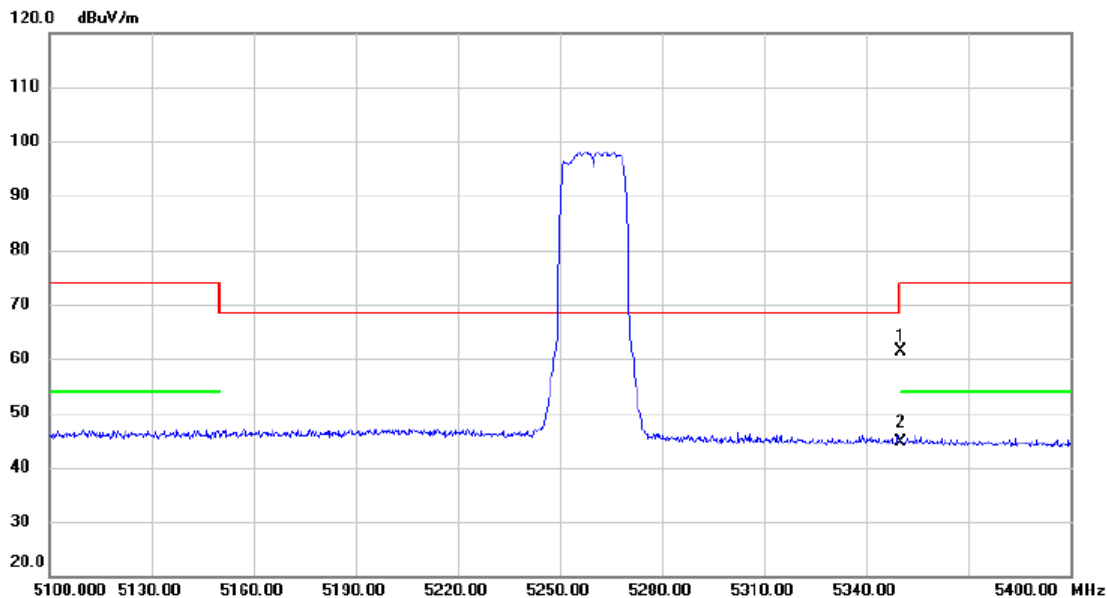
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10519.51	49.42	-1.44	47.98	68.30	-20.32	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5260 MHz	RU configuration	242

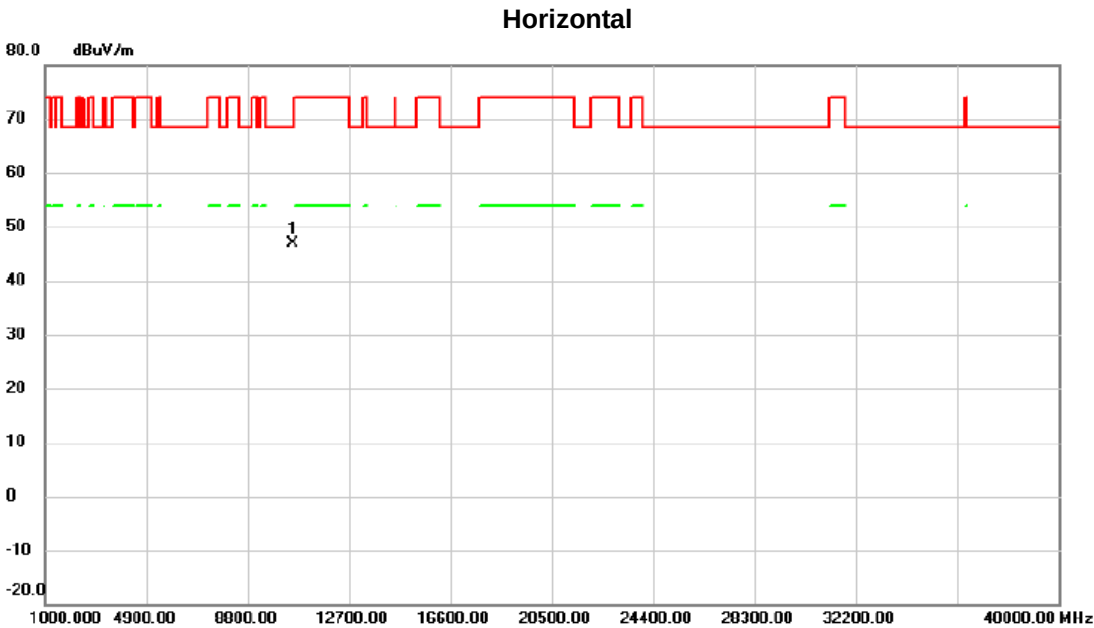
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	22.14	39.32	61.46	74.00	-12.54	peak	
2	*	5350.000	5.34	39.32	44.66	54.00	-9.34	AVG	

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5260 MHz	RU configuration	242



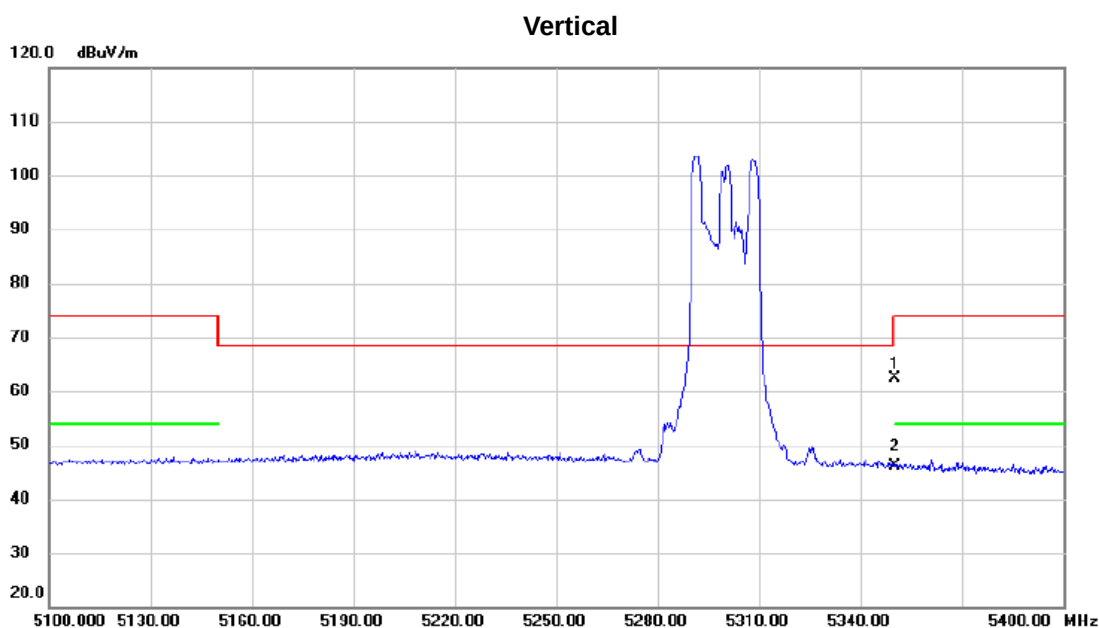
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	10520.69	48.43	-1.44	46.99	68.30	-21.31	peak	

REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5300 MHz	RU configuration	26

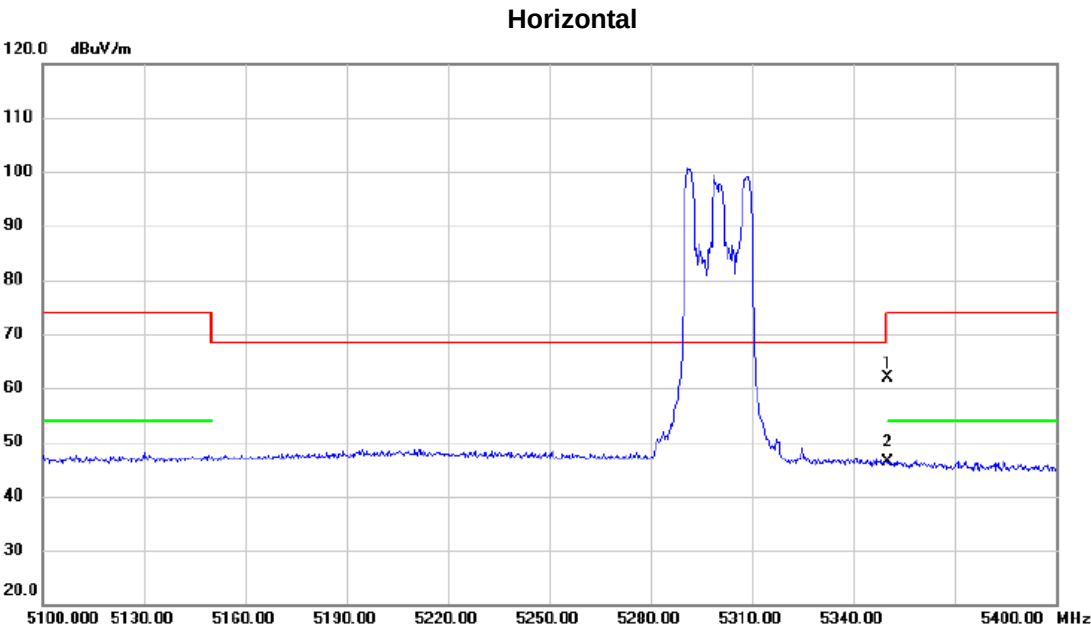


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	23.10	39.32	62.42	74.00	-11.58	peak	
2	*	5350.000	6.77	39.32	46.09	54.00	-7.91	AVG	

REMARKS:

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

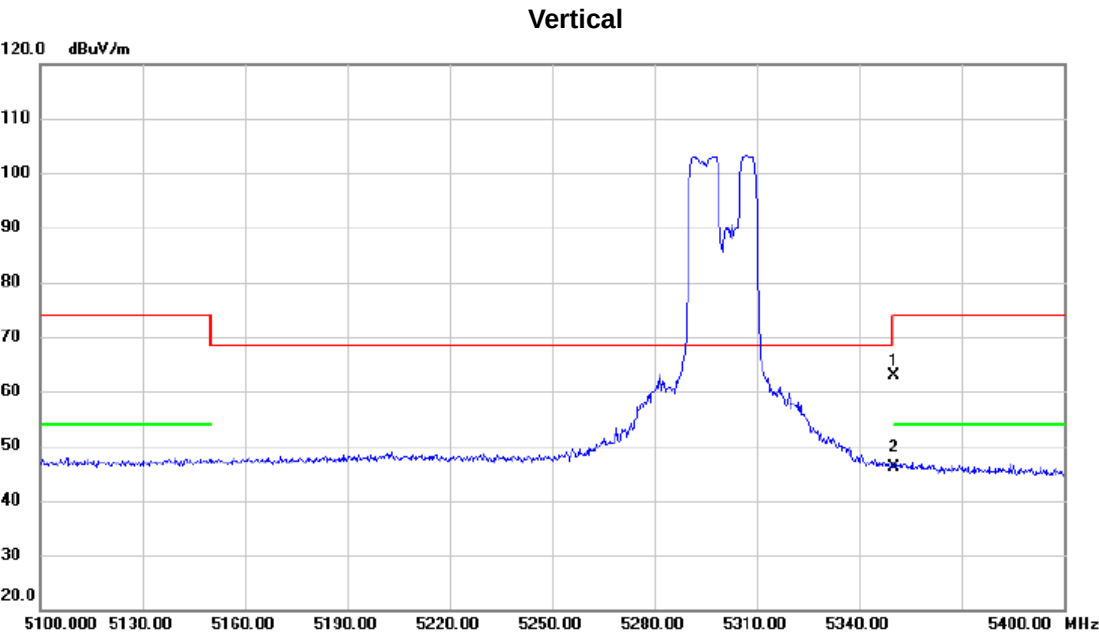
Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5300 MHz	RU configuration	26



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	22.57	39.32	61.89	74.00	-12.11	peak	
2	*	5350.000	7.07	39.32	46.39	54.00	-7.61	AVG	

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

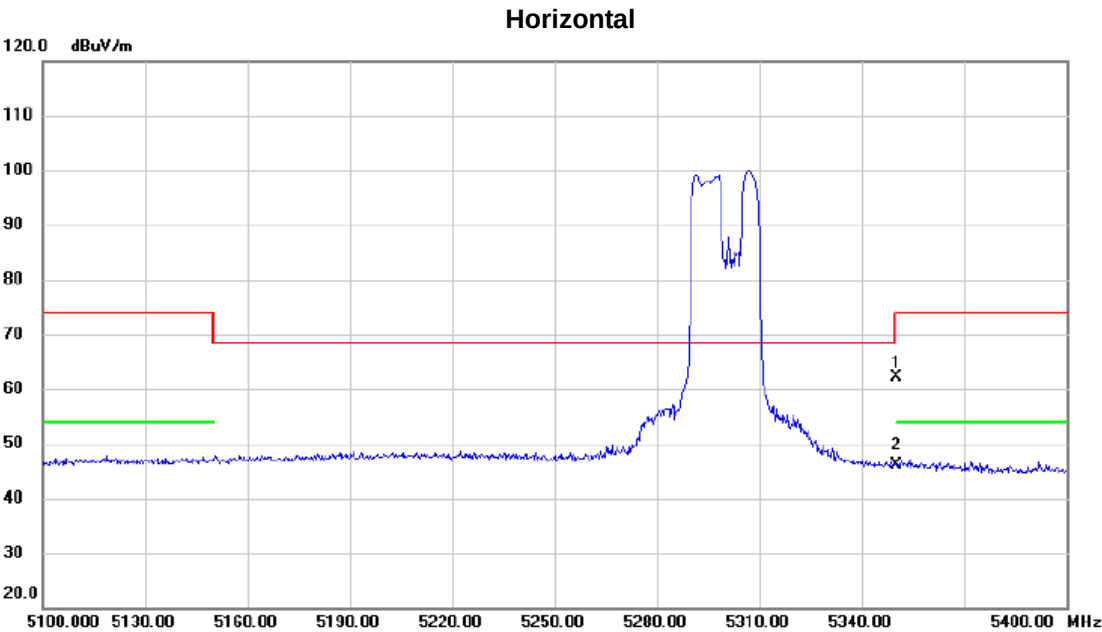
Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5300 MHz	RU configuration	52



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	23.46	39.32	62.78	74.00	-11.22	peak	
2	*	5350.000	6.75	39.32	46.07	54.00	-7.93	AVG	

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5300 MHz	RU configuration	52

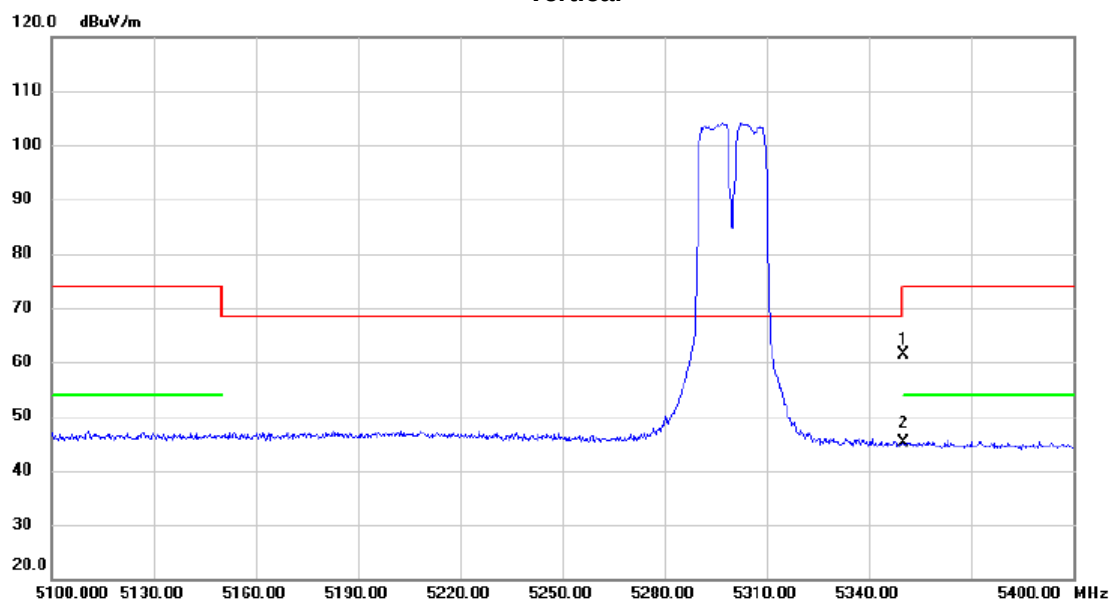


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	22.71	39.32	62.03	74.00	-11.97	peak	
2	*	5350.000	6.86	39.32	46.18	54.00	-7.82	AVG	

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5300 MHz	RU configuration	106

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	22.03	39.32	61.35	74.00	-12.65	peak	
2	*	5350.000	5.83	39.32	45.15	54.00	-8.85	AVG	

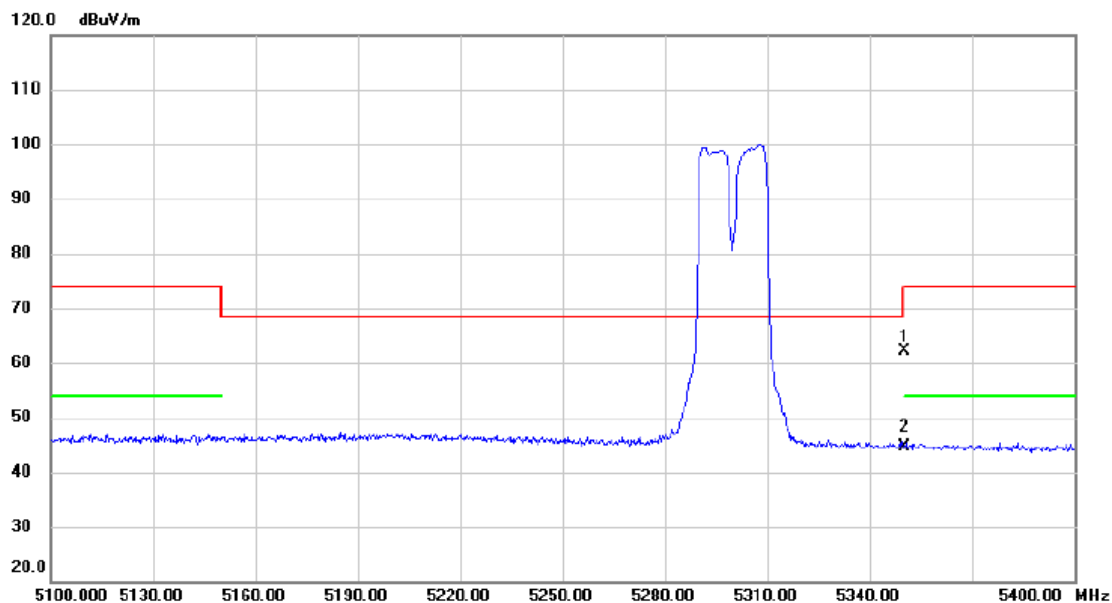
REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5300 MHz	RU configuration	106

Horizontal



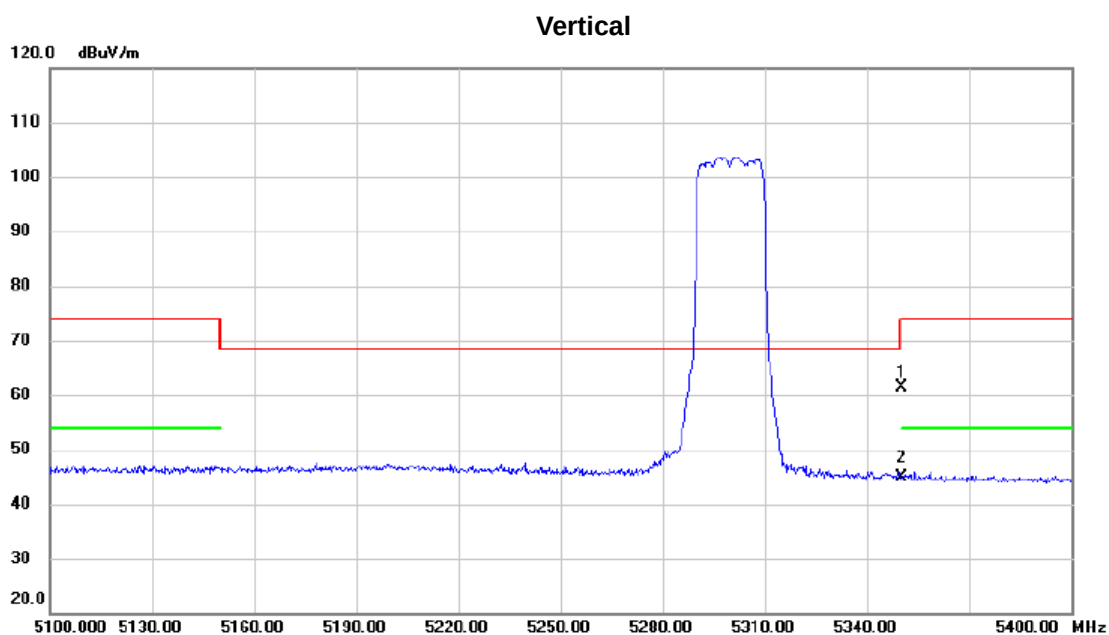
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	22.84	39.32	62.16	74.00	-11.84	peak	
2	*	5350.000	5.37	39.32	44.69	54.00	-9.31	AVG	

REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5300 MHz	RU configuration	242



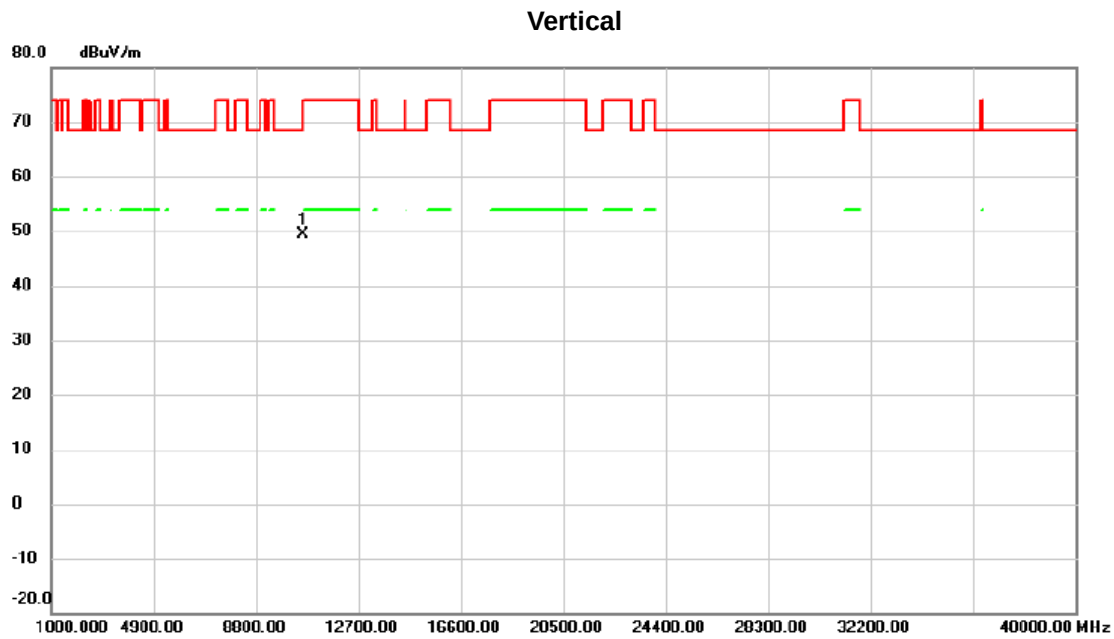
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	22.07	39.32	61.39	74.00	-12.61	peak	
2	*	5350.000	5.66	39.32	44.98	54.00	-9.02	AVG	

REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5300 MHz	RU configuration	242



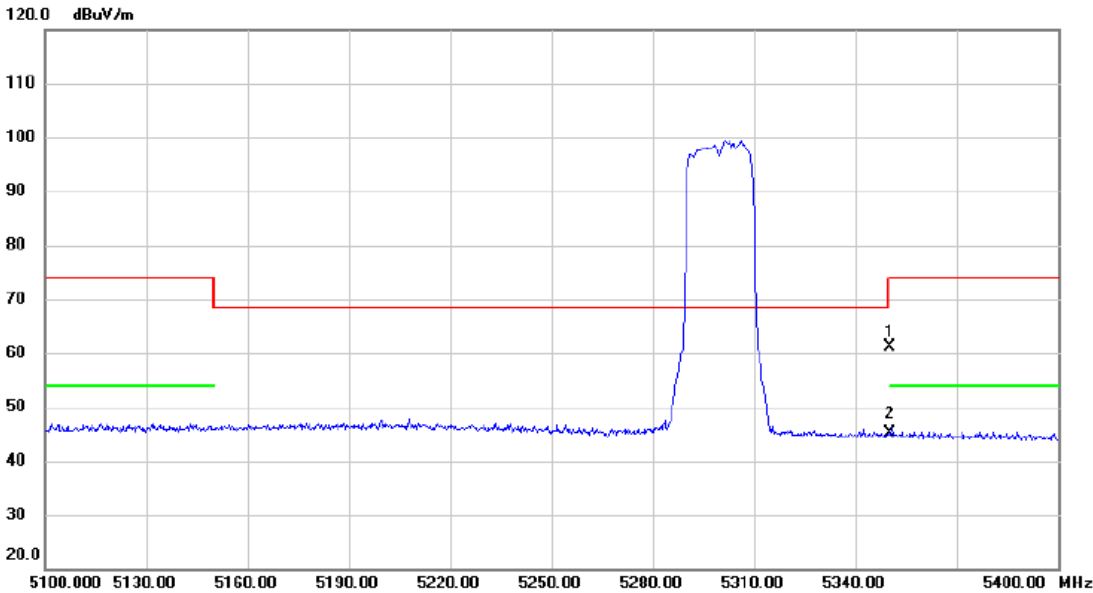
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10599.81	50.55	-1.15	49.40	68.30	-18.90	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5300 MHz	RU configuration	242

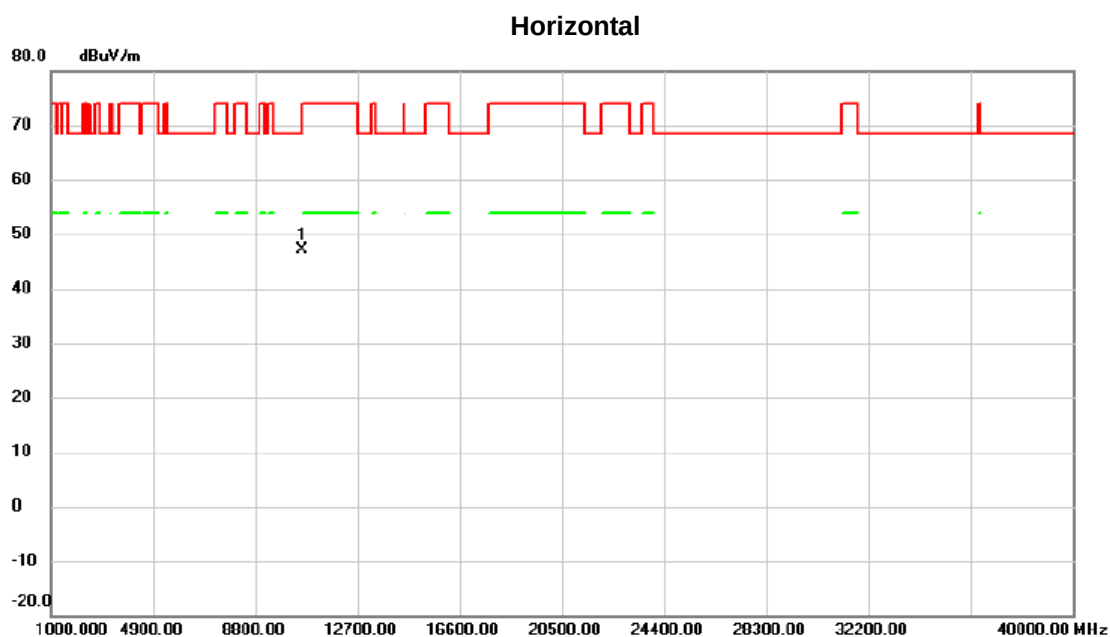
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	21.85	39.32	61.17	74.00	-12.83	peak	
2	*	5350.000	5.78	39.32	45.10	54.00	-8.90	AVG	

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5300 MHz	RU configuration	242

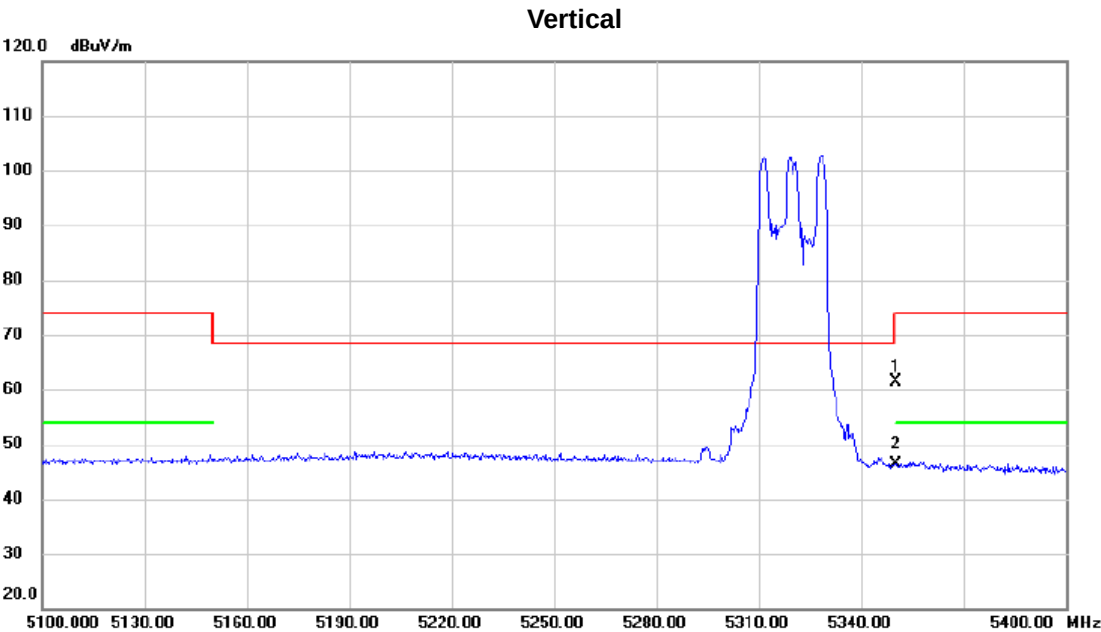


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10599.88	48.37	-1.15	47.22	68.30	-21.08	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5320 MHz	RU configuration	26

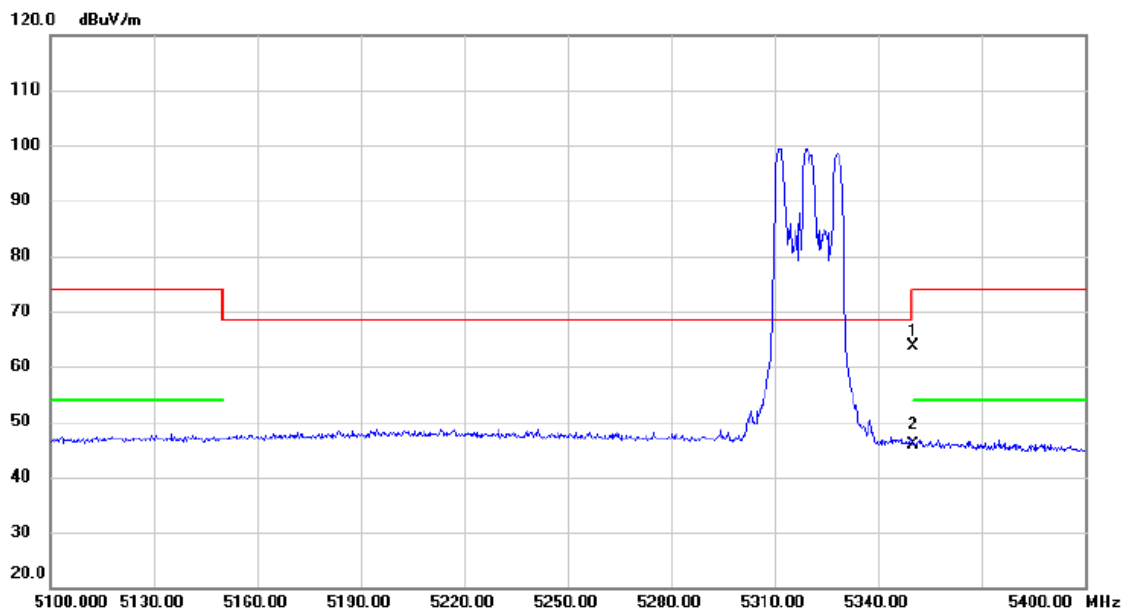


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	22.12	39.32	61.44	74.00	-12.56	peak	
2	*	5350.000	7.11	39.32	46.43	54.00	-7.57	AVG	

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5320 MHz	RU configuration	26

Horizontal



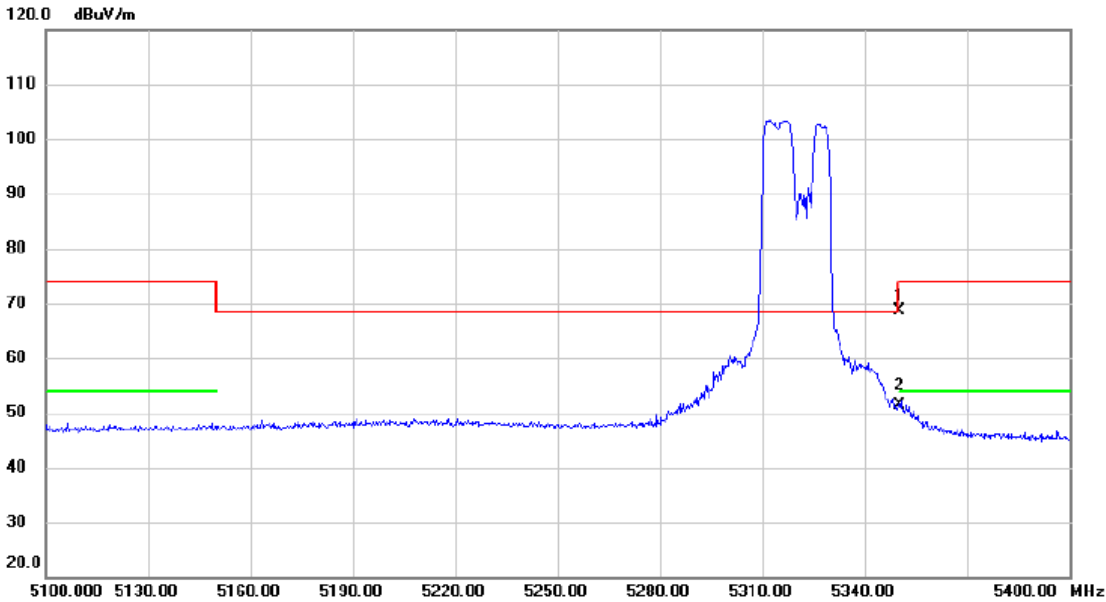
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	24.30	39.32	63.62	74.00	-10.38	peak	
2	*	5350.000	6.65	39.32	45.97	54.00	-8.03	AVG	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5320 MHz	RU configuration	52

Vertical

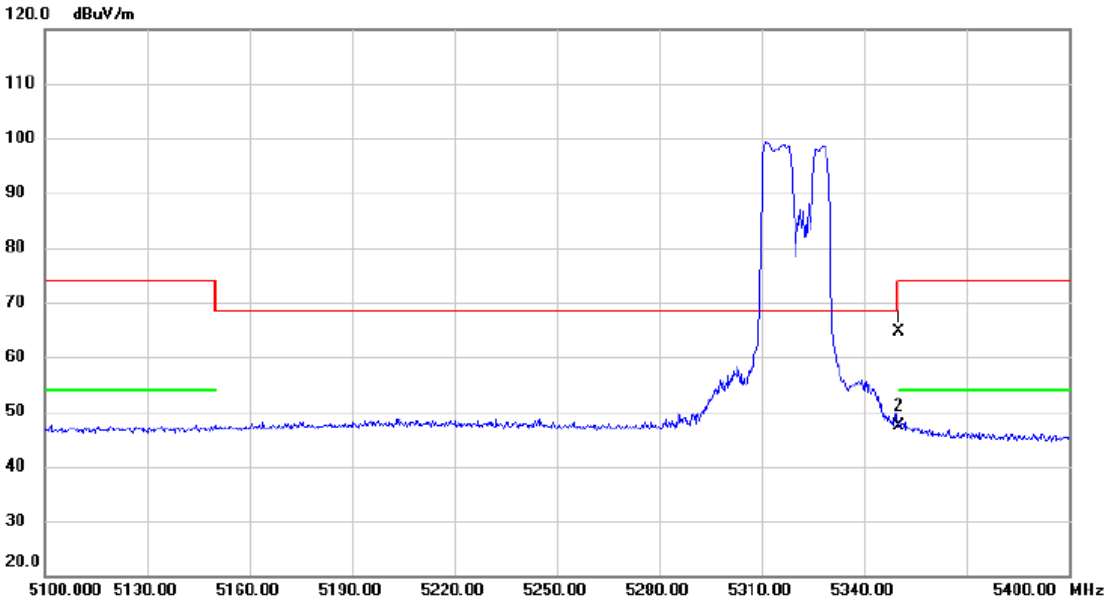


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5350.000	29.36	39.32	68.68	74.00	-5.32	peak	
2	*	5350.000	12.16	39.32	51.48	54.00	-2.52	AVG	

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5320 MHz	RU configuration	52

Horizontal

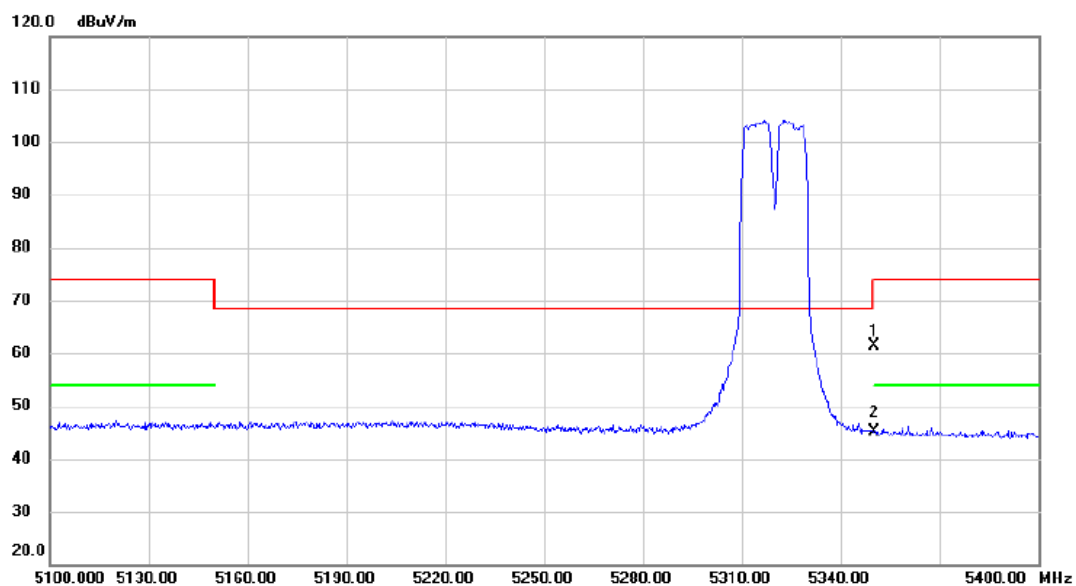


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	25.31	39.32	64.63	74.00	-9.37	peak	
2	*	5350.000	8.00	39.32	47.32	54.00	-6.68	AVG	

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5320 MHz	RU configuration	106

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5350.000	22.18	39.32	61.50	74.00	-12.50	peak	
2	*	5350.000	5.72	39.32	45.04	54.00	-8.96	AVG	

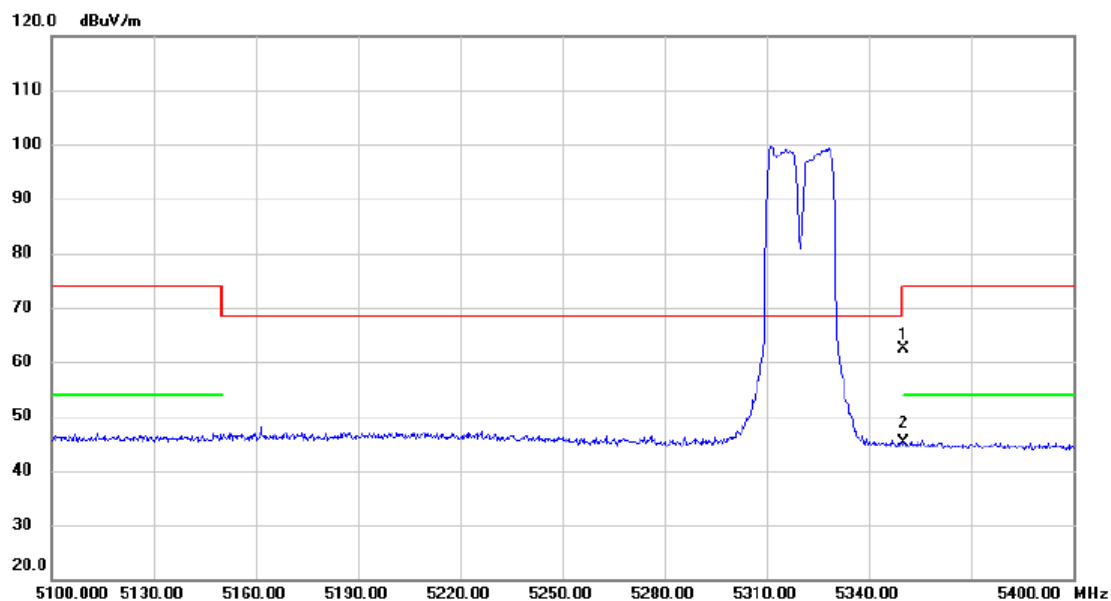
REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5320 MHz	RU configuration	106

Horizontal



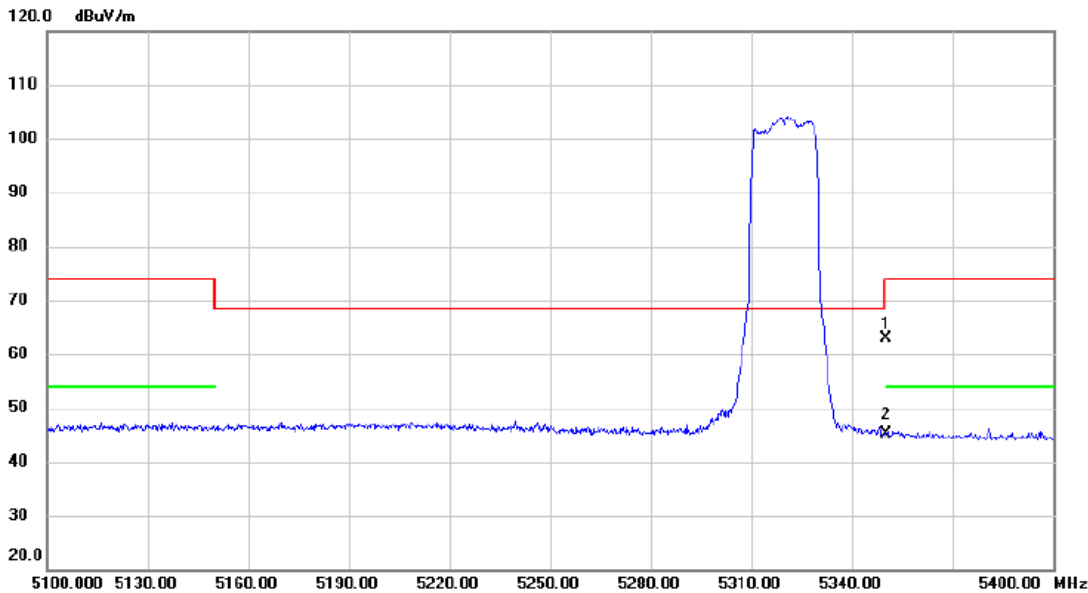
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	23.04	39.32	62.36	74.00	-11.64	peak	
2	*	5350.000	5.85	39.32	45.17	54.00	-8.83	AVG	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5320 MHz	RU configuration	242

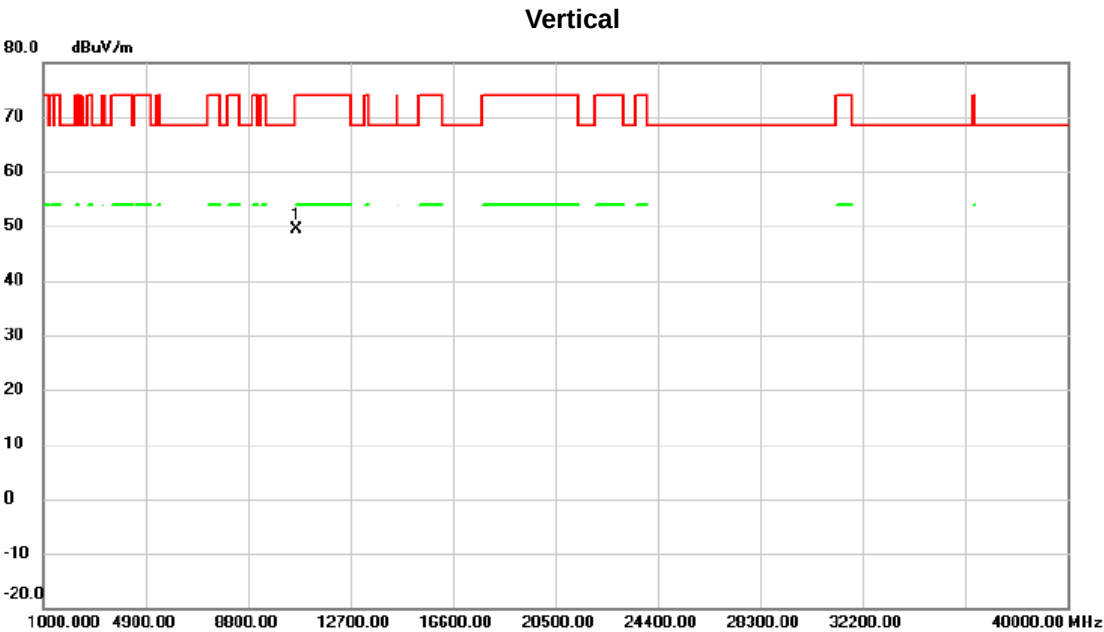
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5350.000	23.63	39.32	62.95	74.00	-11.05	peak	
2	*	5350.000	5.78	39.32	45.10	54.00	-8.90	AVG	

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5320 MHz	RU configuration	242



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10640.27	50.32	-1.01	49.31	74.00	-24.69	peak	

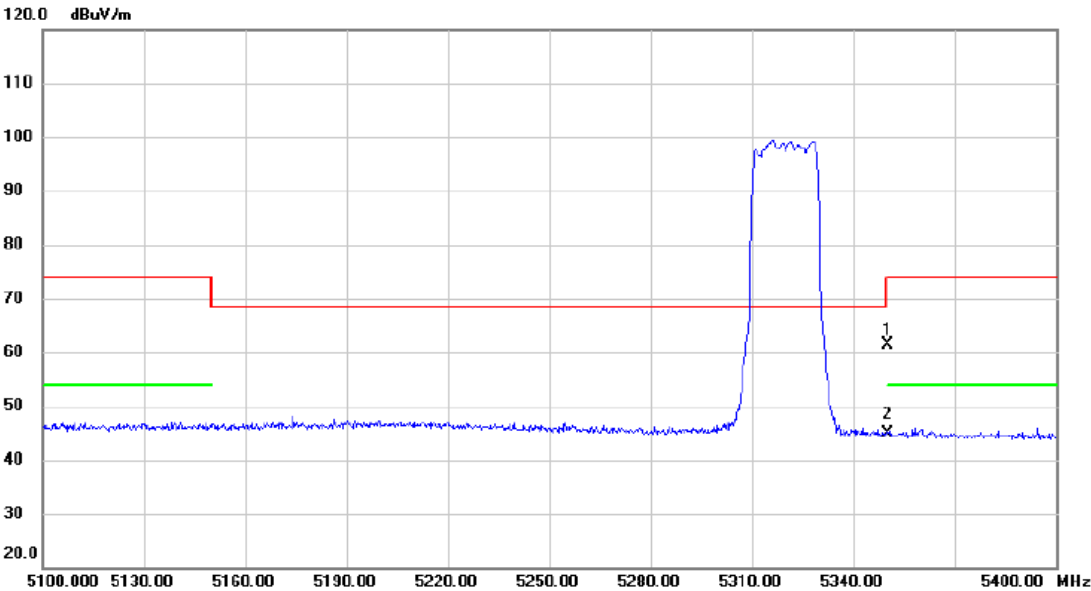
REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5320 MHz	RU configuration	242

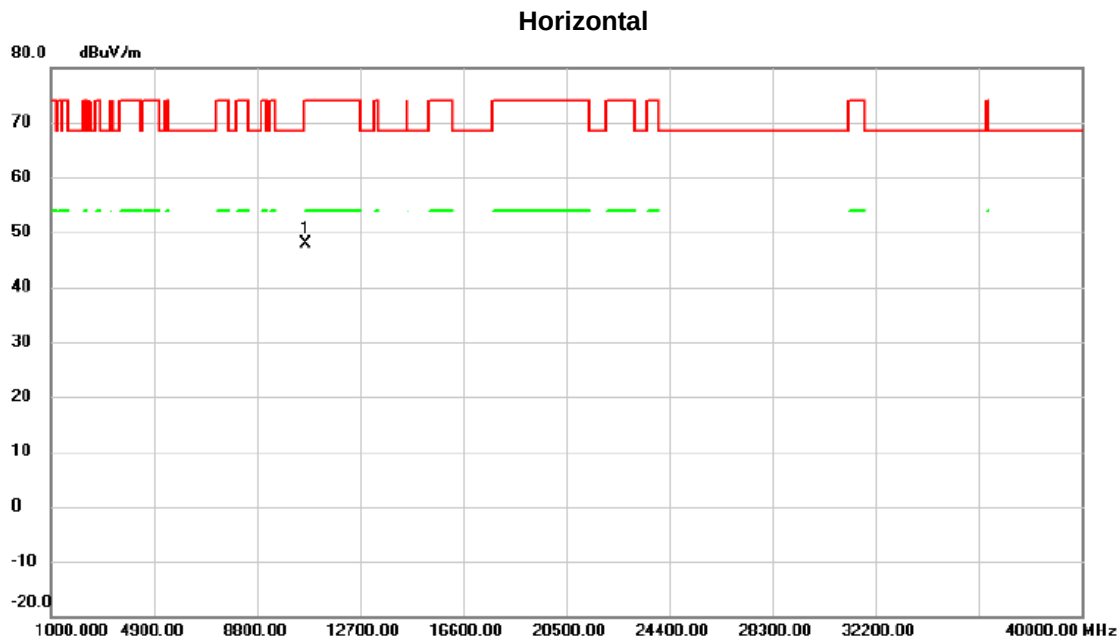
Horizontal



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5350.000	22.12	39.32	61.44	74.00	-12.56	peak	
2 *	5350.000	5.64	39.32	44.96	54.00	-9.04	AVG	

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

Orthogonal Axis	X		
Test Mode	UNII-2A_TX AX (HE20) Mode 5320 MHz	RU configuration	242

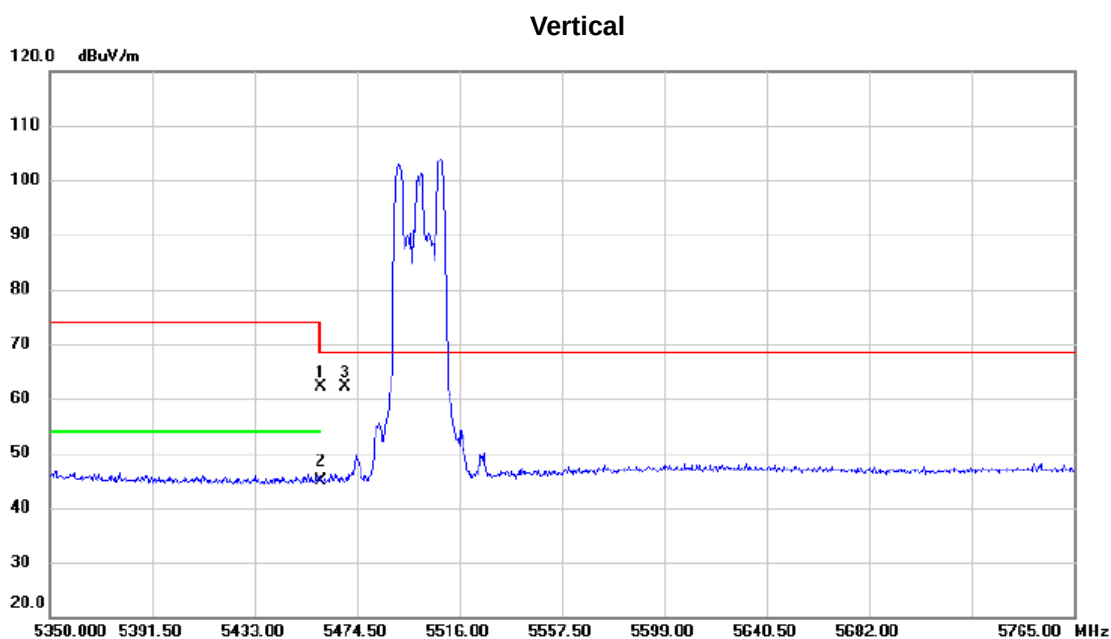


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10639.42	48.94	-1.01	47.93	74.00	-26.07	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5500 MHz	RU configuration	26



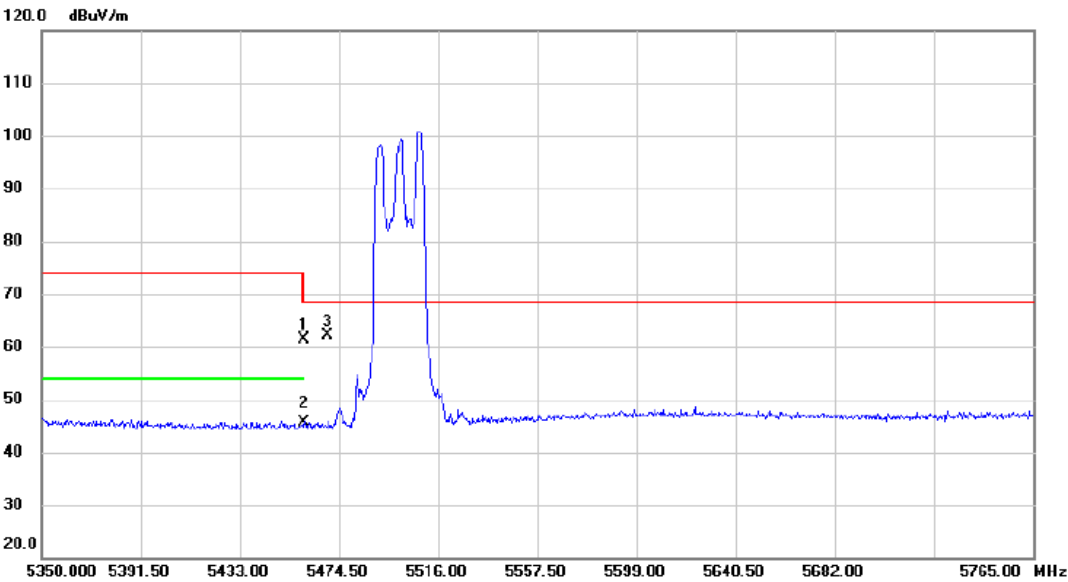
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	22.57	39.46	62.03	74.00	-11.97	peak	
2		5460.000	5.54	39.46	45.00	54.00	-9.00	AVG	
3	*	5470.000	22.74	39.47	62.21	68.30	-6.09	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5500 MHz	RU configuration	26

Horizontal

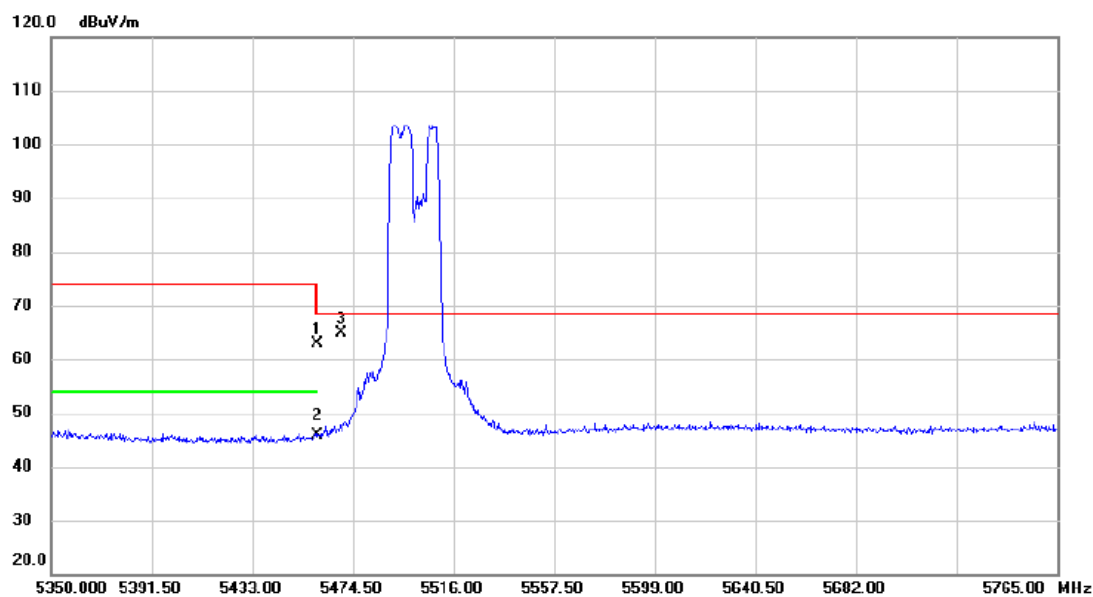


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	22.00	39.46	61.46	74.00	-12.54	peak	
2		5460.000	6.29	39.46	45.75	54.00	-8.25	AVG	
3	*	5470.000	22.64	39.47	62.11	68.30	-6.19	peak	

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5500 MHz	RU configuration	52

Vertical



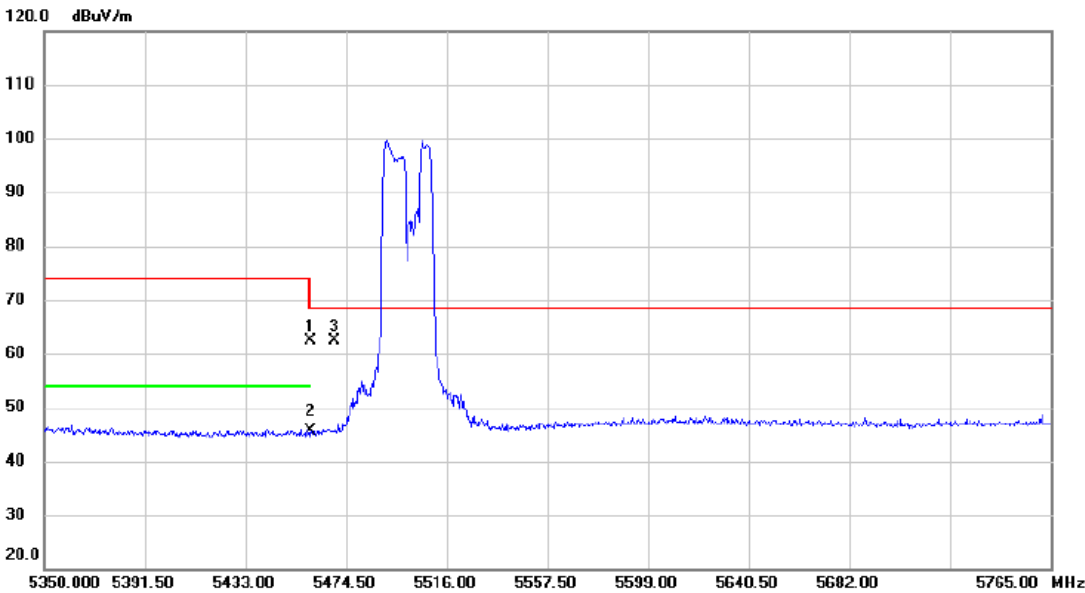
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	23.51	39.46	62.97	74.00	-11.03	peak	
2		5460.000	6.51	39.46	45.97	54.00	-8.03	AVG	
3	*	5470.000	25.48	39.47	64.95	68.30	-3.35	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5500 MHz	RU configuration	52

Horizontal

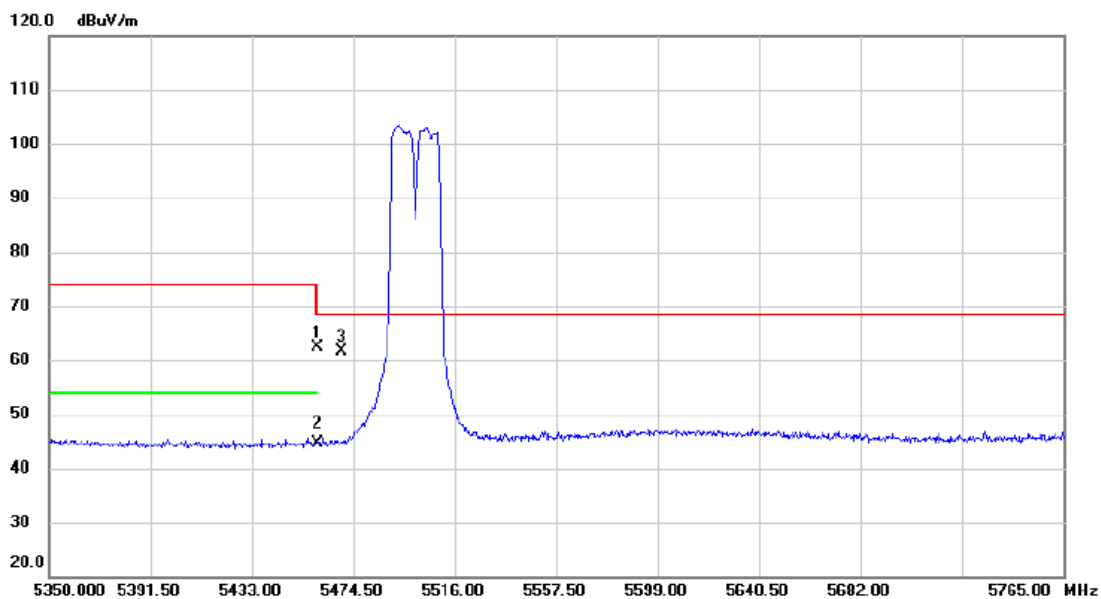


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	23.03	39.46	62.49	74.00	-11.51	peak	
2		5460.000	6.27	39.46	45.73	54.00	-8.27	AVG	
3	*	5470.000	22.97	39.47	62.44	68.30	-5.86	peak	

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5500 MHz	RU configuration	106

Vertical



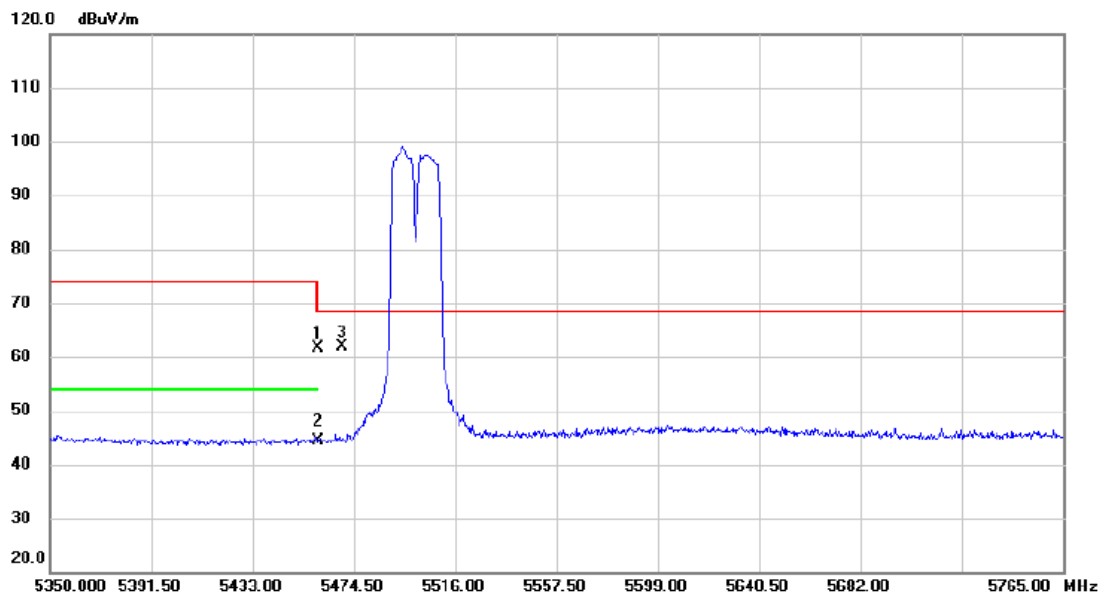
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	22.97	39.46	62.43	74.00	-11.57	peak	
2		5460.000	5.23	39.46	44.69	54.00	-9.31	AVG	
3	*	5470.000	22.25	39.47	61.72	68.30	-6.58	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5500 MHz	RU configuration	106

Horizontal



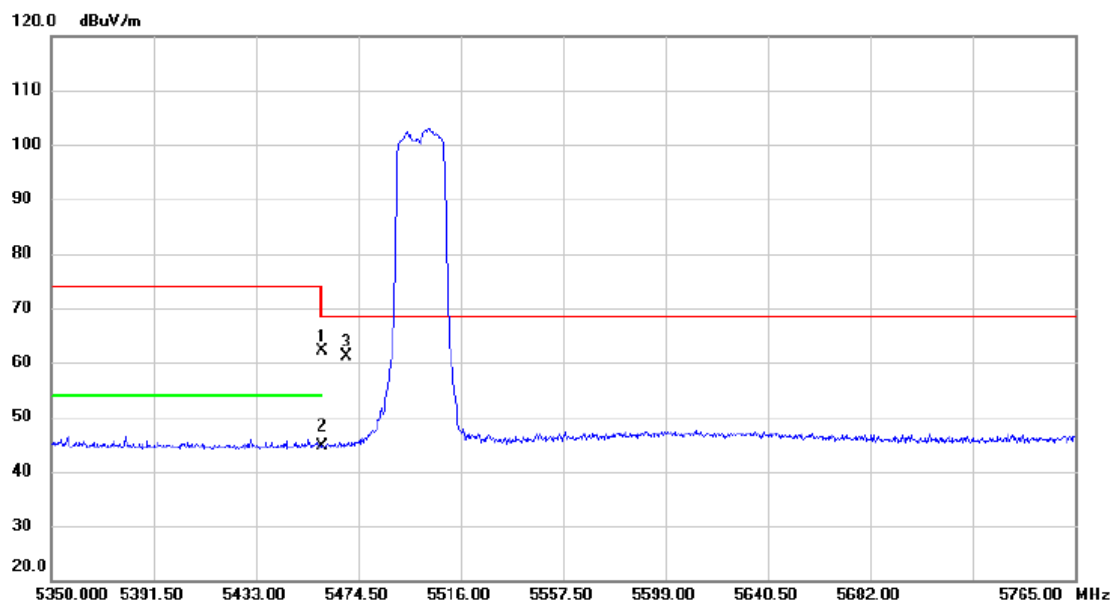
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	22.23	39.46	61.69	74.00	-12.31	peak	
2		5460.000	4.85	39.46	44.31	54.00	-9.69	AVG	
3	*	5470.000	22.38	39.47	61.85	68.30	-6.45	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5500 MHz	RU configuration	242

Vertical

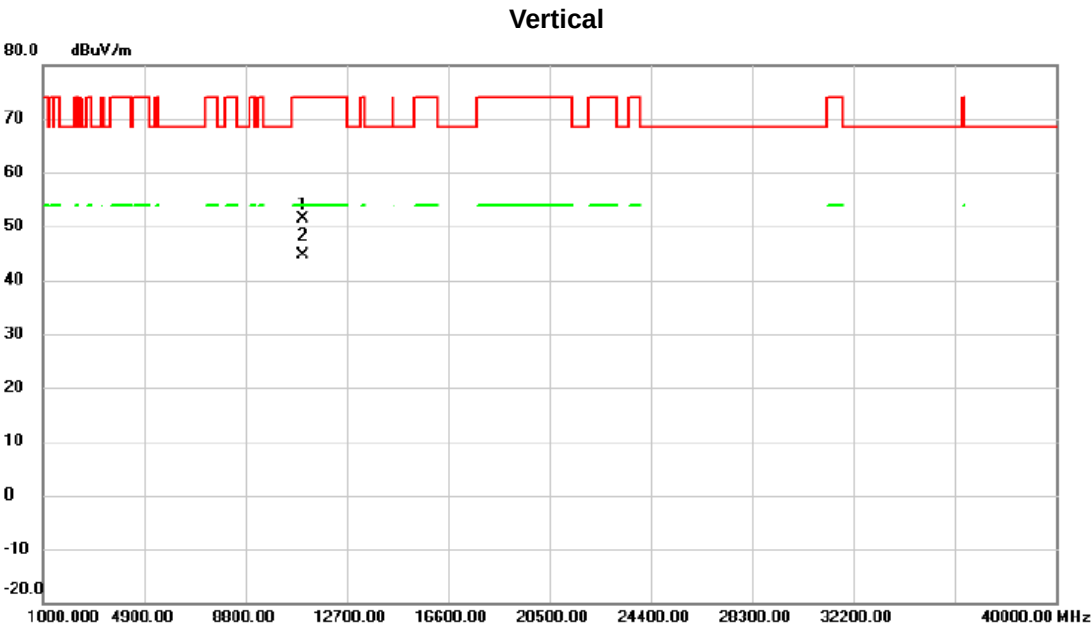


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	22.64	39.46	62.10	74.00	-11.90	peak	
2		5460.000	5.23	39.46	44.69	54.00	-9.31	AVG	
3	*	5470.000	21.60	39.47	61.07	68.30	-7.23	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5500 MHz	RU configuration	242



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10999.82	51.22	0.28	51.50	74.00	-22.50	peak	
2	*	10999.97	44.28	0.28	44.56	54.00	-9.44	AVG	

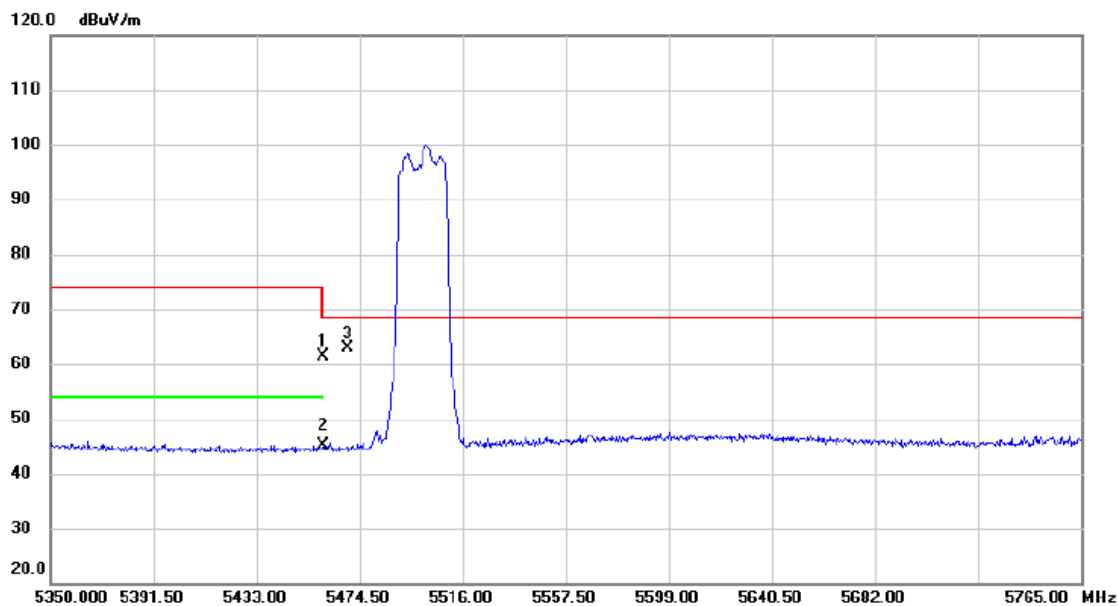
REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5500 MHz	RU configuration	242

Horizontal

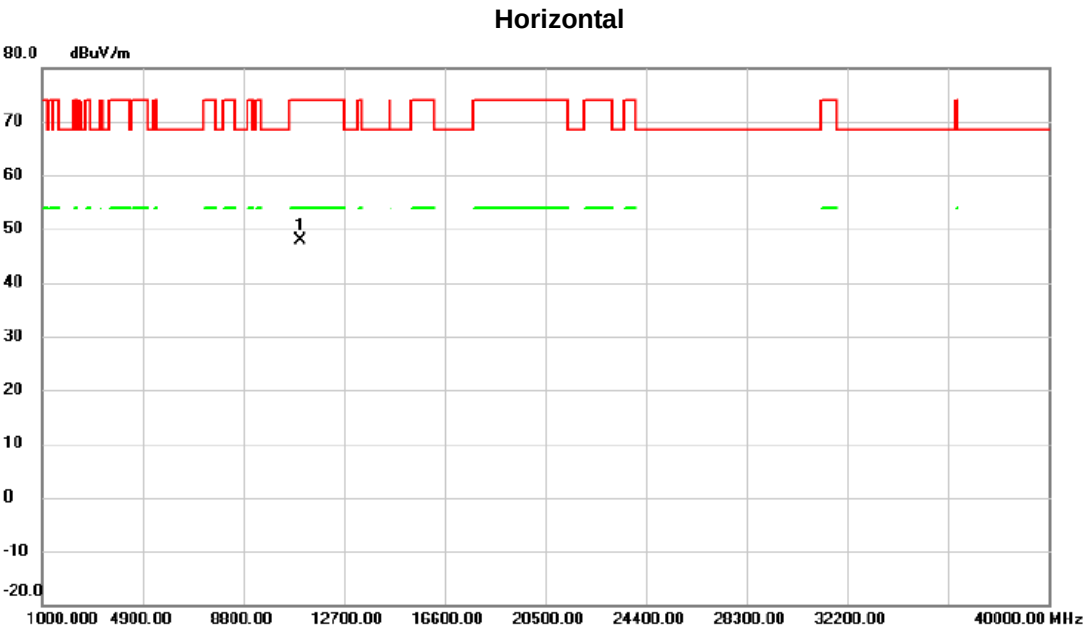


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	21.90	39.46	61.36	74.00	-12.64	peak	
2		5460.000	5.58	39.46	45.04	54.00	-8.96	AVG	
3	*	5470.000	23.42	39.47	62.89	68.30	-5.41	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5500 MHz	RU configuration	242



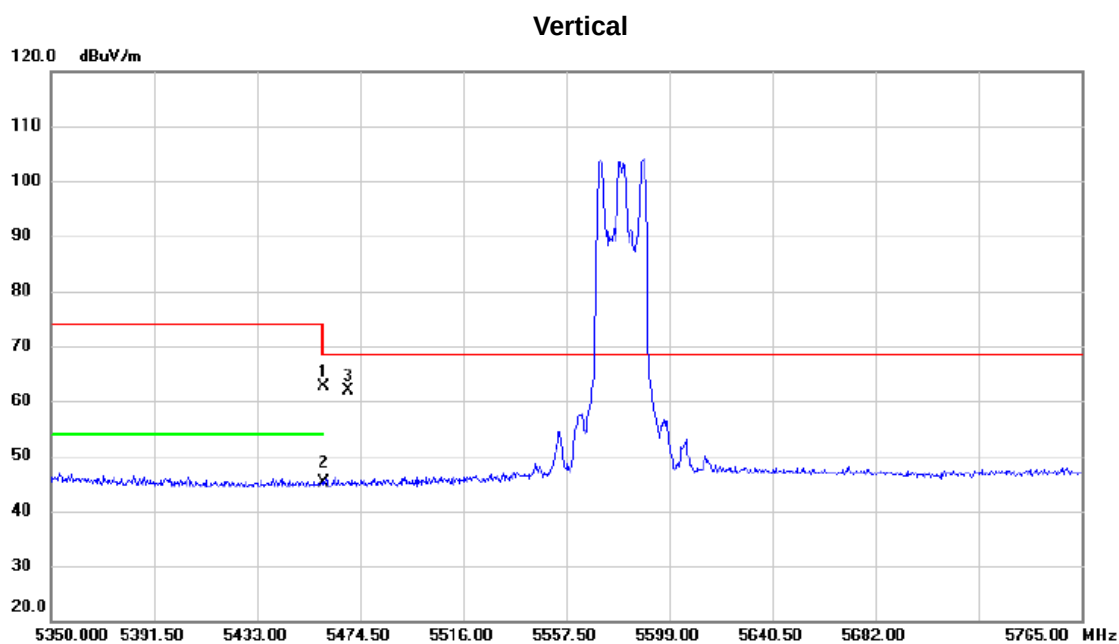
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11004.71	47.64	0.27	47.91	74.00	-26.09	peak	

REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5580 MHz	RU configuration	26

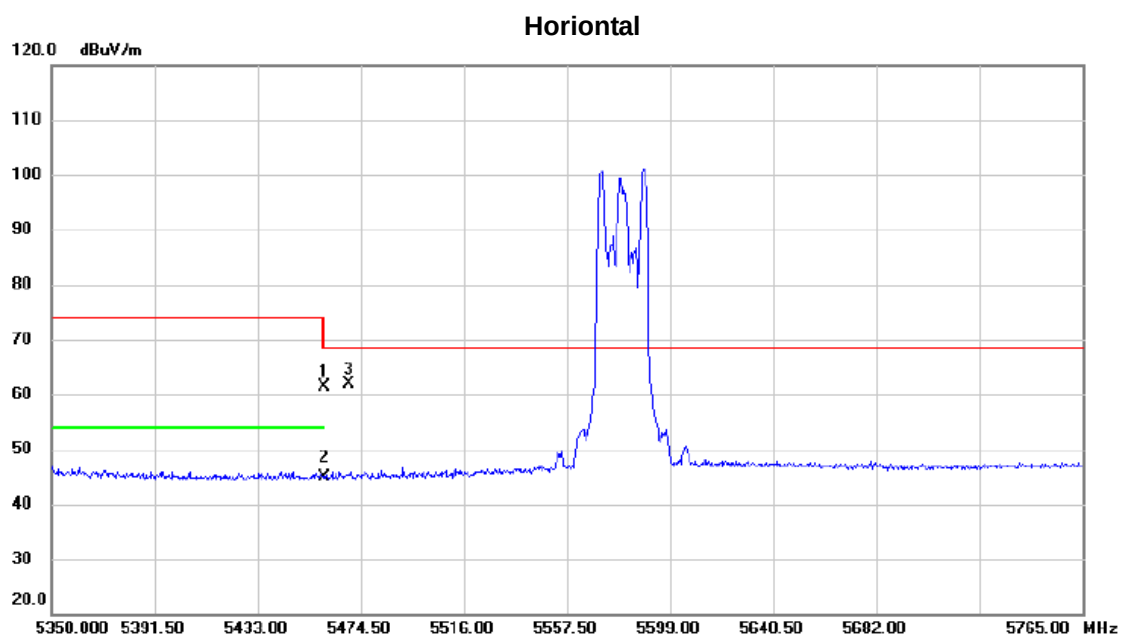


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	23.08	39.46	62.54	74.00	-11.46	peak	
2		5460.000	5.58	39.46	45.04	54.00	-8.96	AVG	
3	*	5470.000	22.49	39.47	61.96	68.30	-6.34	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5580 MHz	RU configuration	26



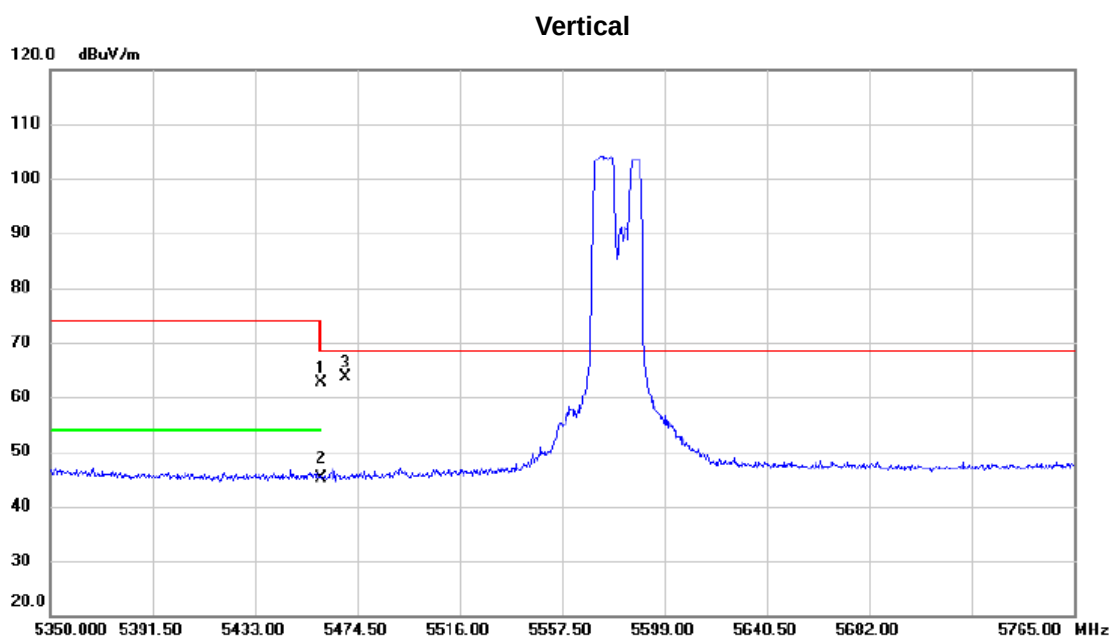
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	21.99	39.46	61.45	74.00	-12.55	peak	
2		5460.000	5.37	39.46	44.83	54.00	-9.17	AVG	
3	*	5470.000	22.51	39.47	61.98	68.30	-6.32	peak	

REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5580 MHz	RU configuration	52

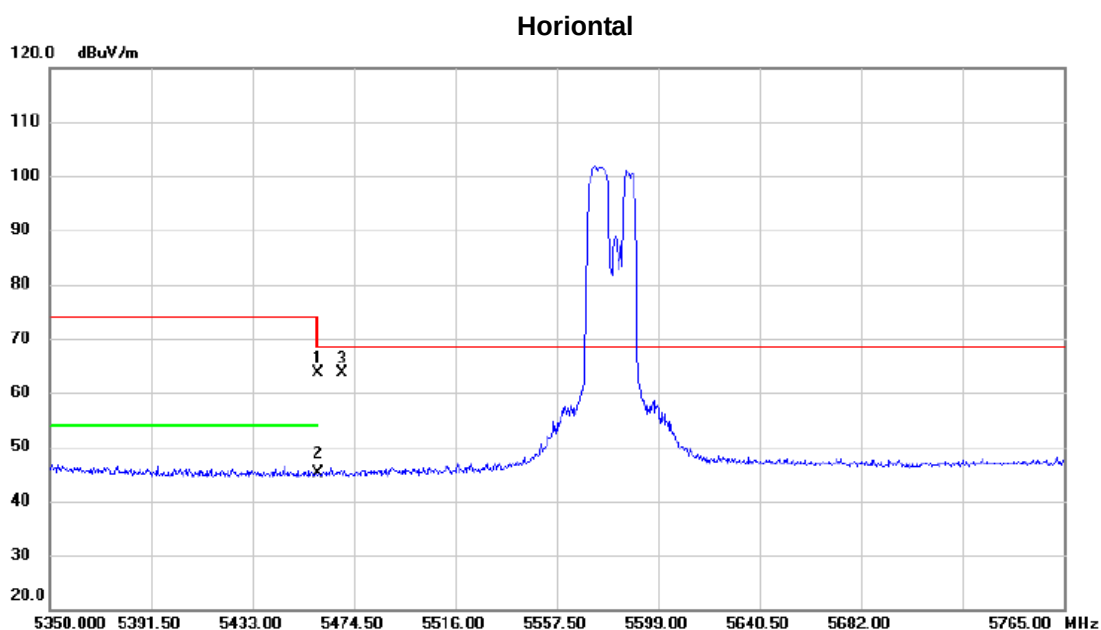


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	23.11	39.46	62.57	74.00	-11.43	peak	
2		5460.000	5.60	39.46	45.06	54.00	-8.94	AVG	
3	*	5470.000	24.18	39.47	63.65	68.30	-4.65	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5580 MHz	RU configuration	52



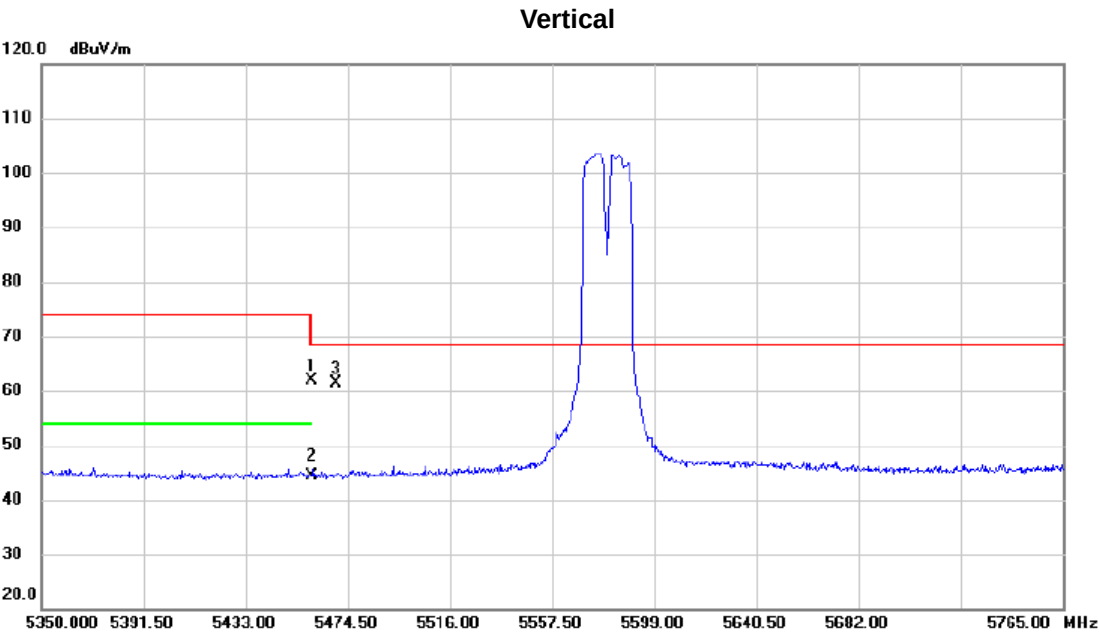
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	24.17	39.46	63.63	74.00	-10.37	peak	
2		5460.000	5.60	39.46	45.06	54.00	-8.94	AVG	
3	*	5470.000	24.24	39.47	63.71	68.30	-4.59	peak	

REMARKS:

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

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

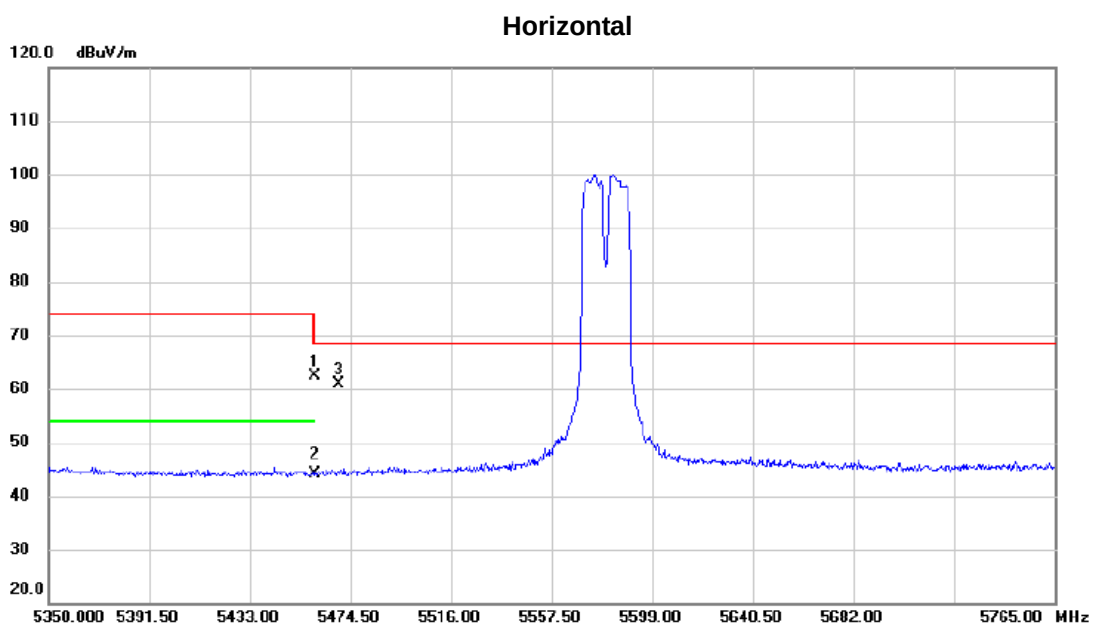
Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5580 MHz	RU configuration	106



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	22.38	39.46	61.84	74.00	-12.16	peak	
2		5460.000	4.91	39.46	44.37	54.00	-9.63	AVG	
3	*	5470.000	21.88	39.47	61.35	68.30	-6.95	peak	

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5580 MHz	RU configuration	106



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	22.99	39.46	62.45	74.00	-11.55	peak	
2		5460.000	4.66	39.46	44.12	54.00	-9.88	AVG	
3	*	5470.000	21.30	39.47	60.77	68.30	-7.53	peak	

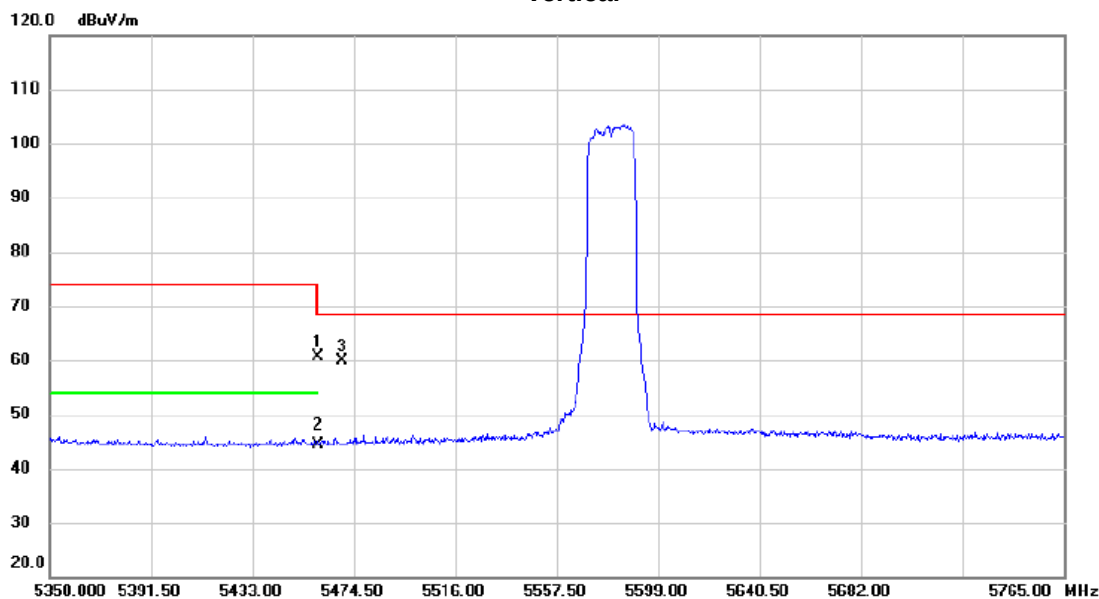
REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5580 MHz	RU configuration	242

Vertical



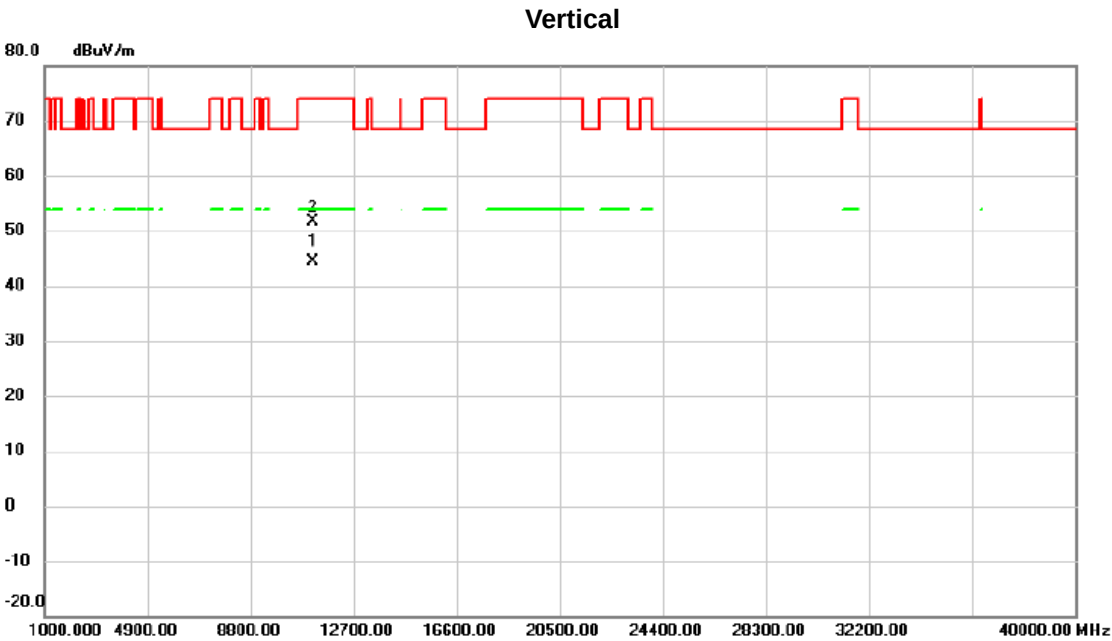
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	21.16	39.46	60.62	74.00	-13.38	peak	
2		5460.000	5.00	39.46	44.46	54.00	-9.54	AVG	
3	*	5470.000	20.48	39.47	59.95	68.30	-8.35	peak	

REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5580 MHz	RU configuration	242



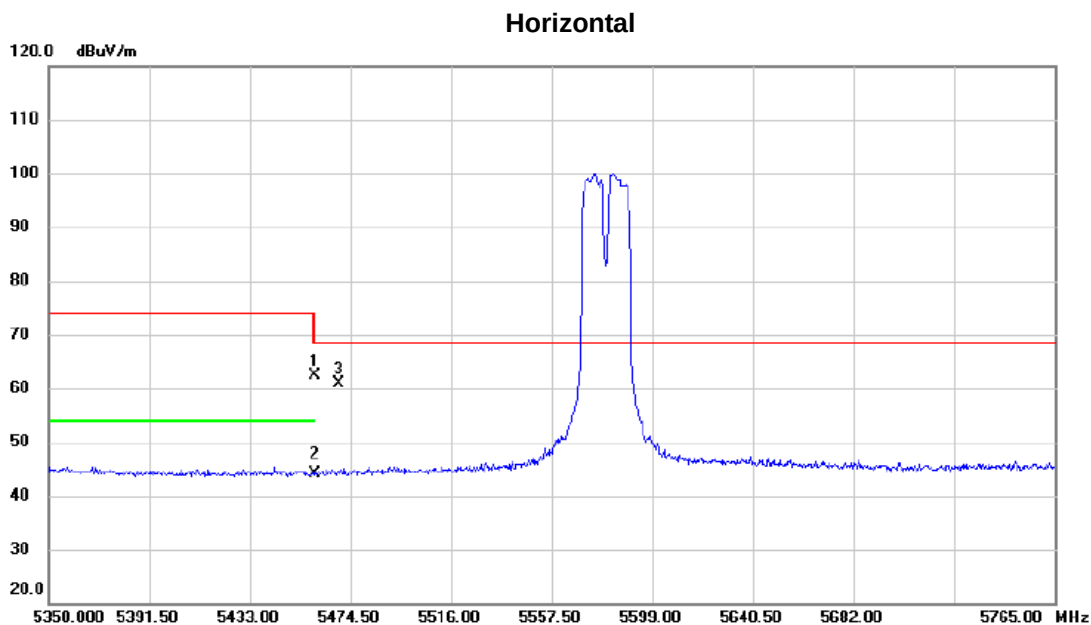
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11159.89	44.32	0.07	44.39	54.00	-9.61	AVG	
2		11160.00	51.53	0.07	51.60	74.00	-22.40	peak	

REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5580 MHz	RU configuration	242



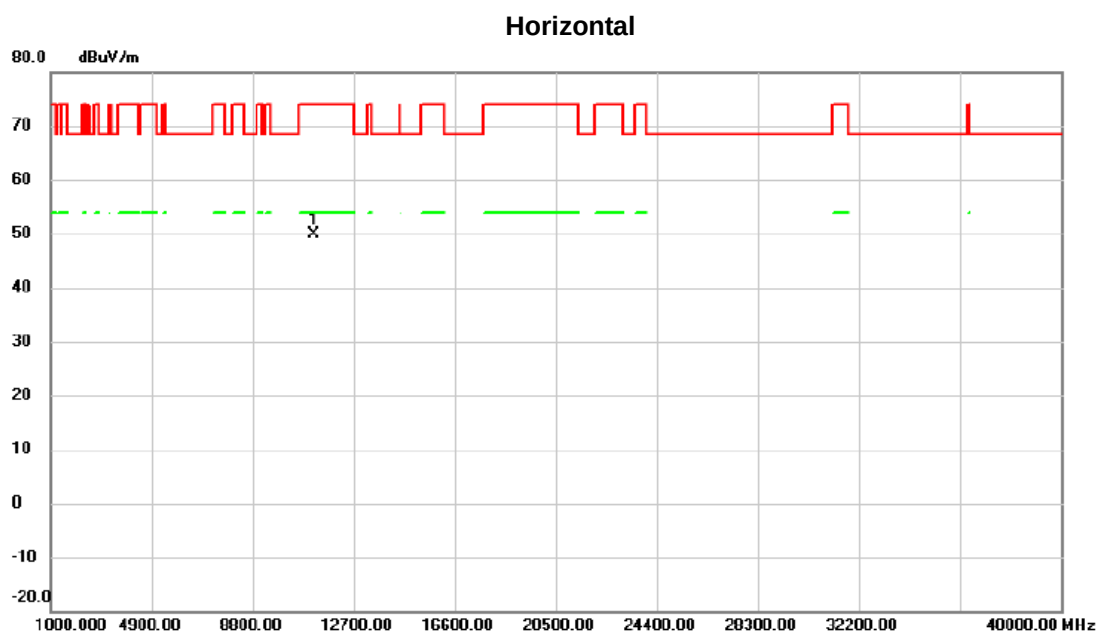
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	22.99	39.46	62.45	74.00	-11.55	peak	
2		5460.000	4.66	39.46	44.12	54.00	-9.88	AVG	
3	*	5470.000	21.30	39.47	60.77	68.30	-7.53	peak	

REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5580 MHz	RU configuration	242

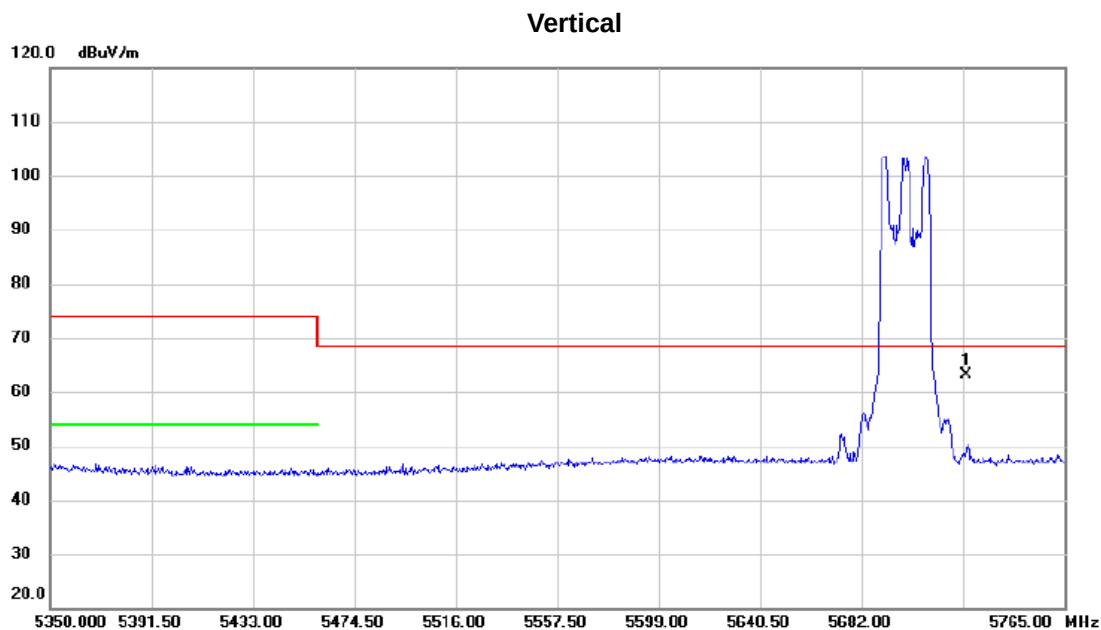


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	11161.08	49.86	0.07	49.93	74.00	-24.07	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5700 MHz	RU configuration	26

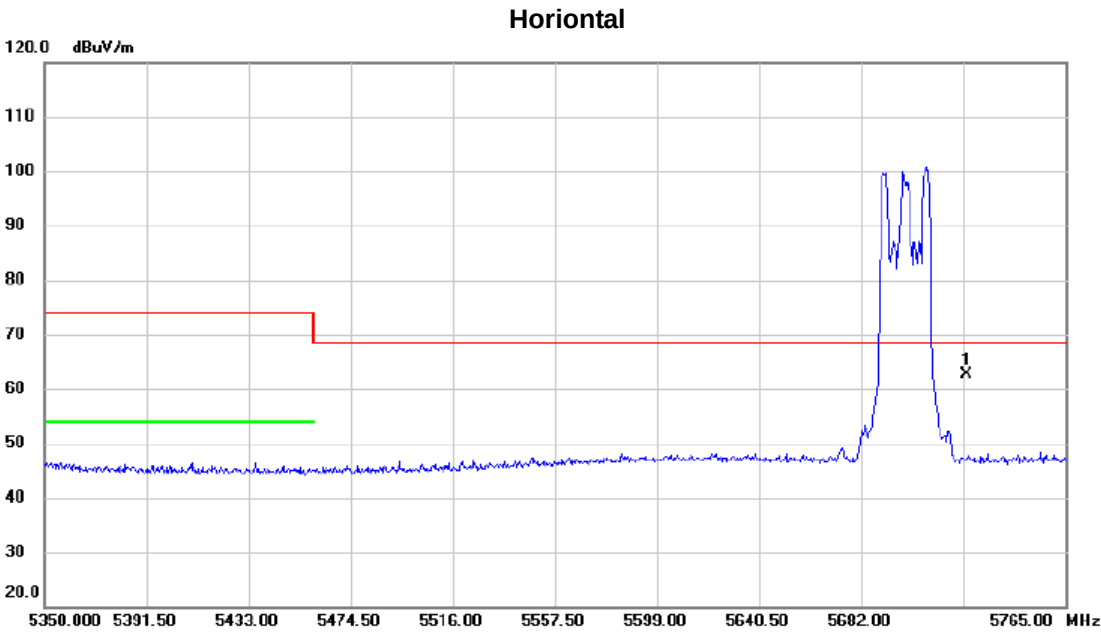


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5725.000	23.17	40.05	63.22	68.30	-5.08	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5700 MHz	RU configuration	26



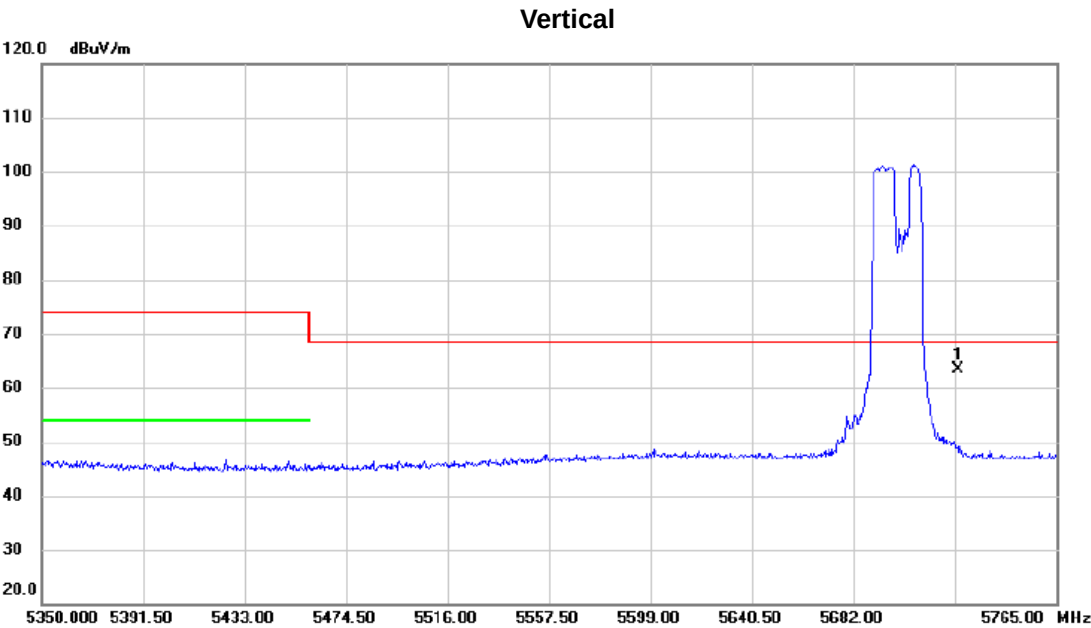
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5725.000	22.65	40.05	62.70	68.30	-5.60	peak	

REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5700 MHz	RU configuration	52



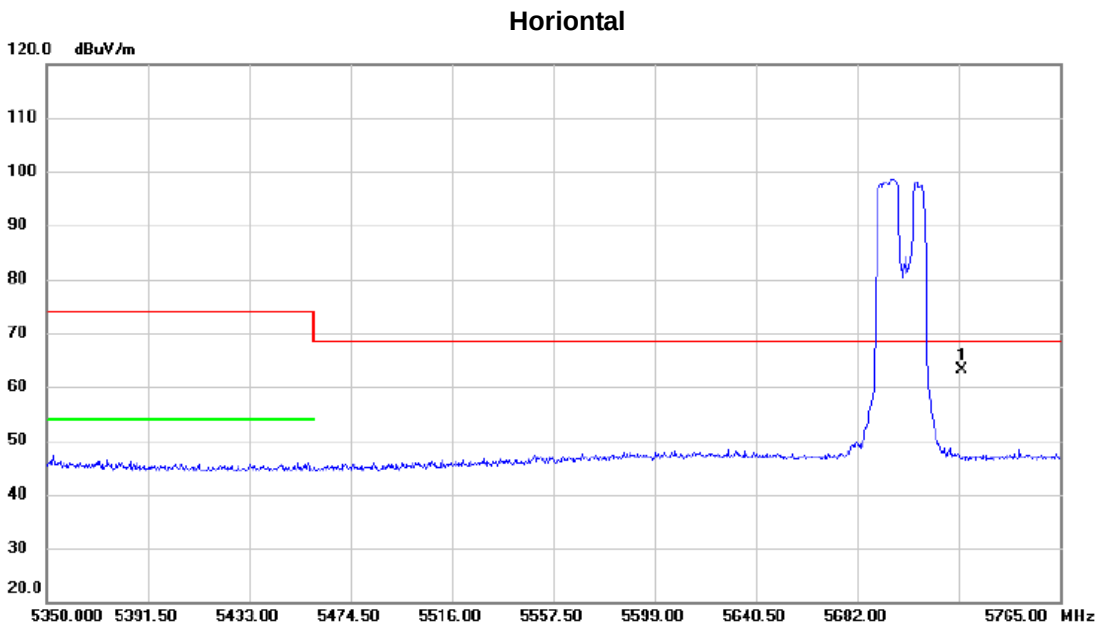
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5725.000	23.41	40.05	63.46	68.30	-4.84	peak	

REMARKS:

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

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

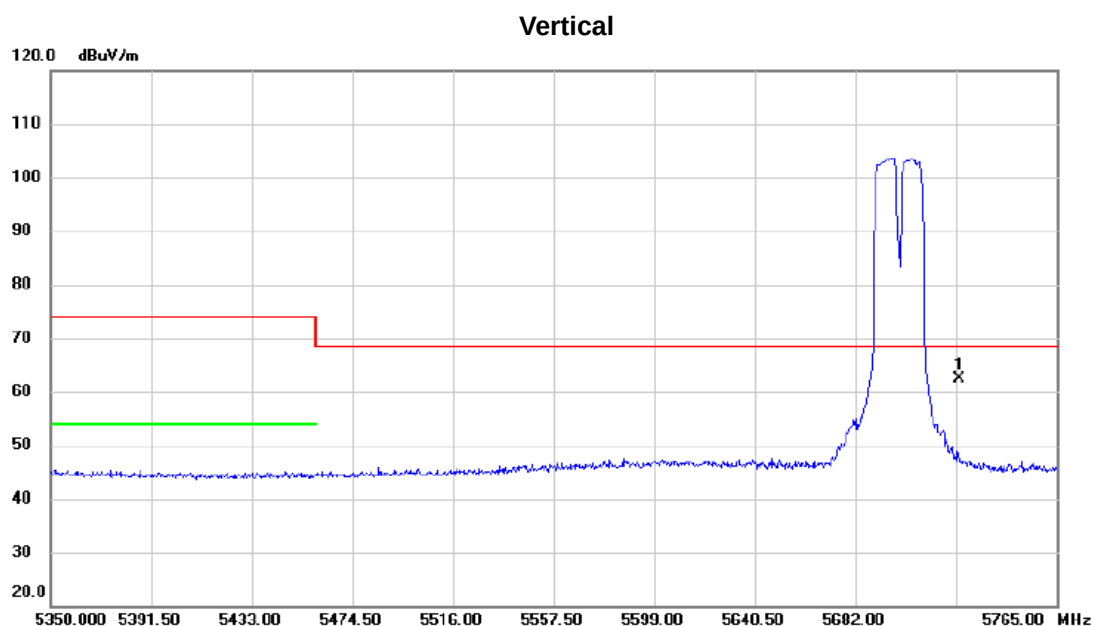
Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5700 MHz	RU configuration	52



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5725.000	22.96	40.05	63.01	68.30	-5.29	peak	

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5700 MHz	RU configuration	106

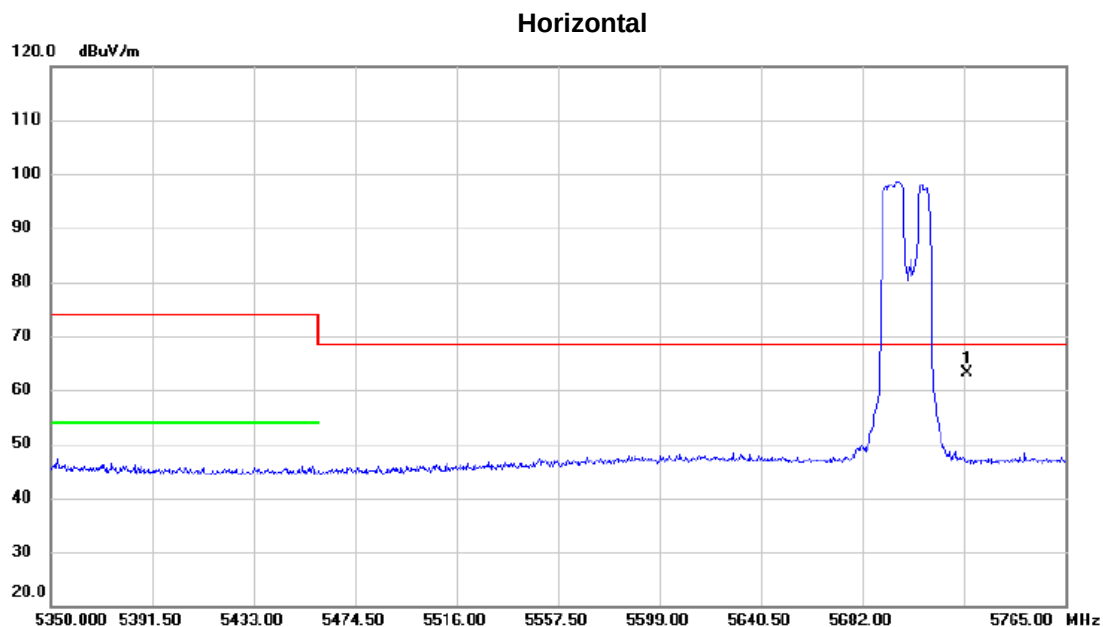


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	5725.000	22.23	40.05	62.28	68.30	-6.02	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5700 MHz	RU configuration	106



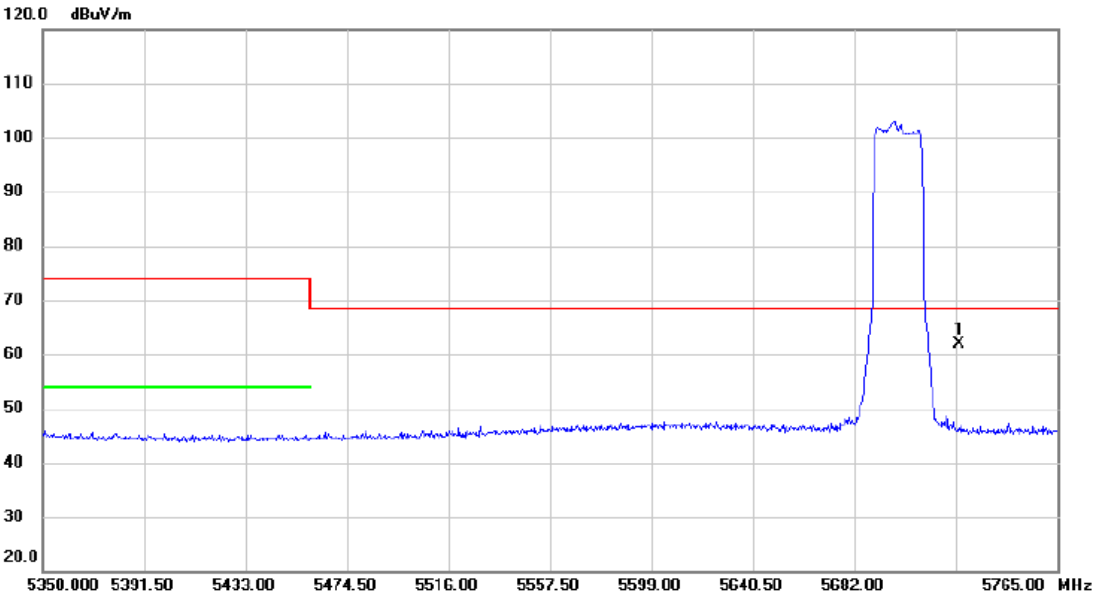
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5725.000	22.96	40.05	63.01	68.30	-5.29	peak	

REMARKS:

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5700 MHz	RU configuration	242

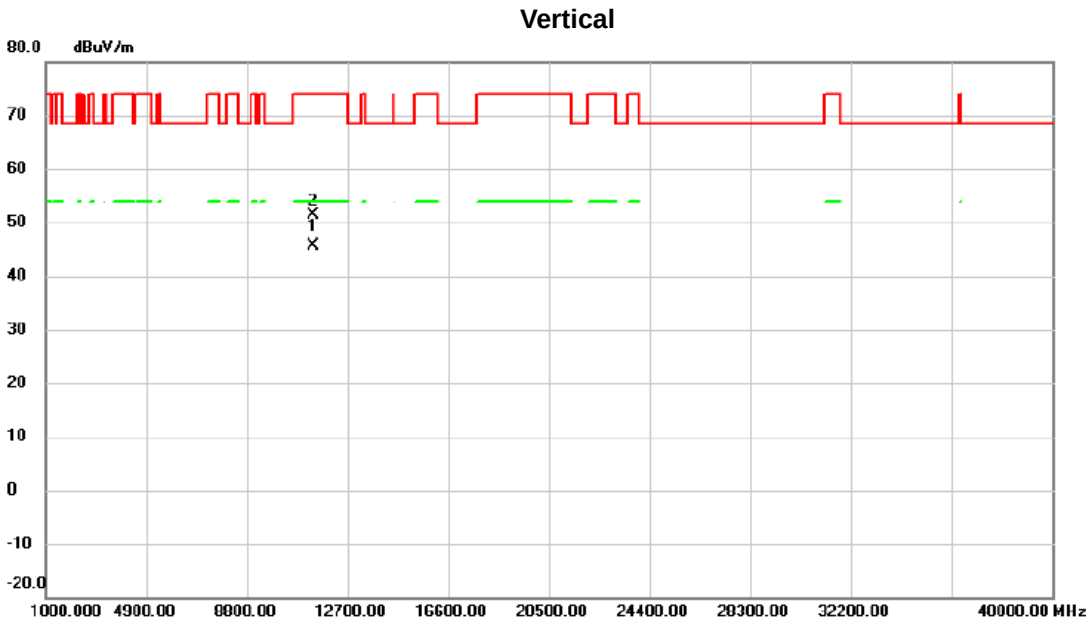
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5725.000	21.85	40.05	61.90	68.30	-6.40	peak	

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

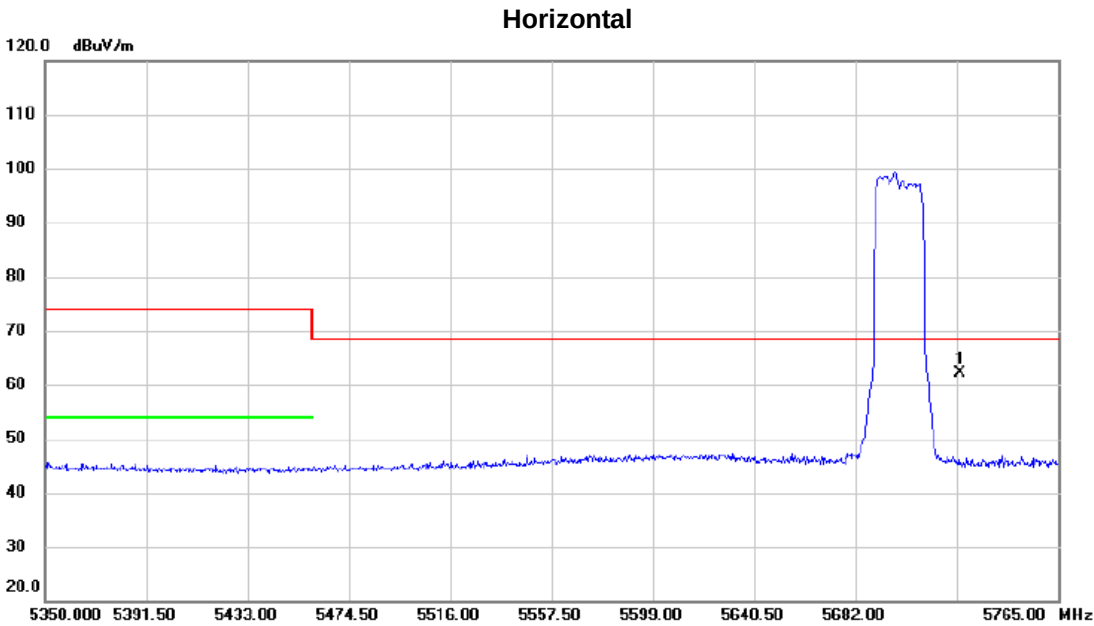
Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5700 MHz	RU configuration	242



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	11399.91	45.86	-0.25	45.61	54.00	-8.39	AVG	
2		11399.92	51.71	-0.25	51.46	74.00	-22.54	peak	

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5700 MHz	RU configuration	242



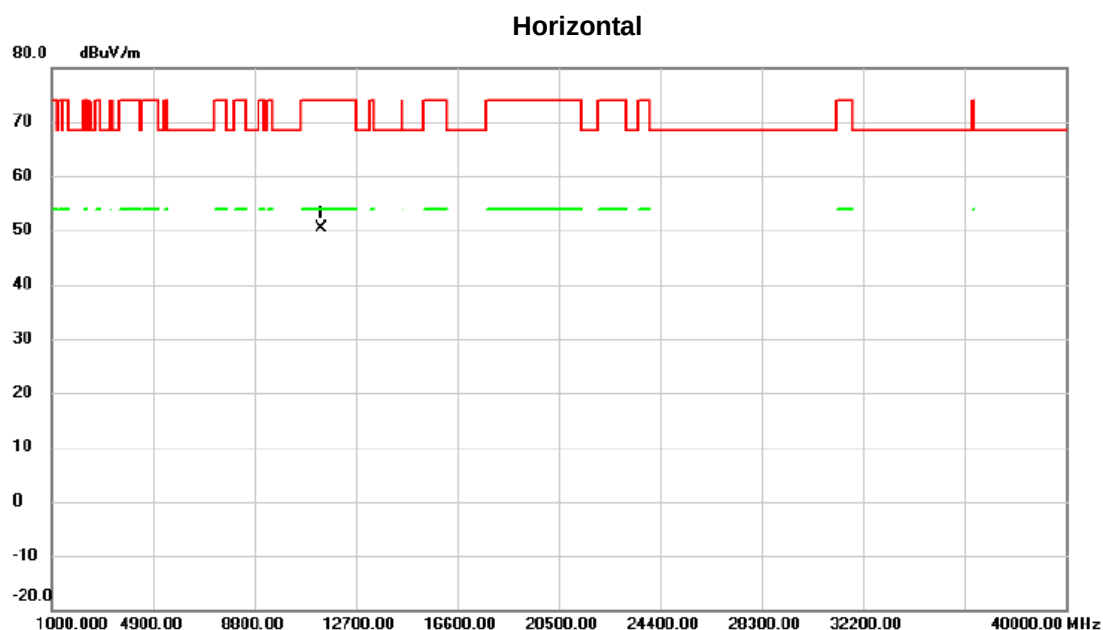
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5725.000	22.16	40.05	62.21	68.30	-6.09	peak	

REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-2C_TX AX (HE20) Mode 5700 MHz	RU configuration	242

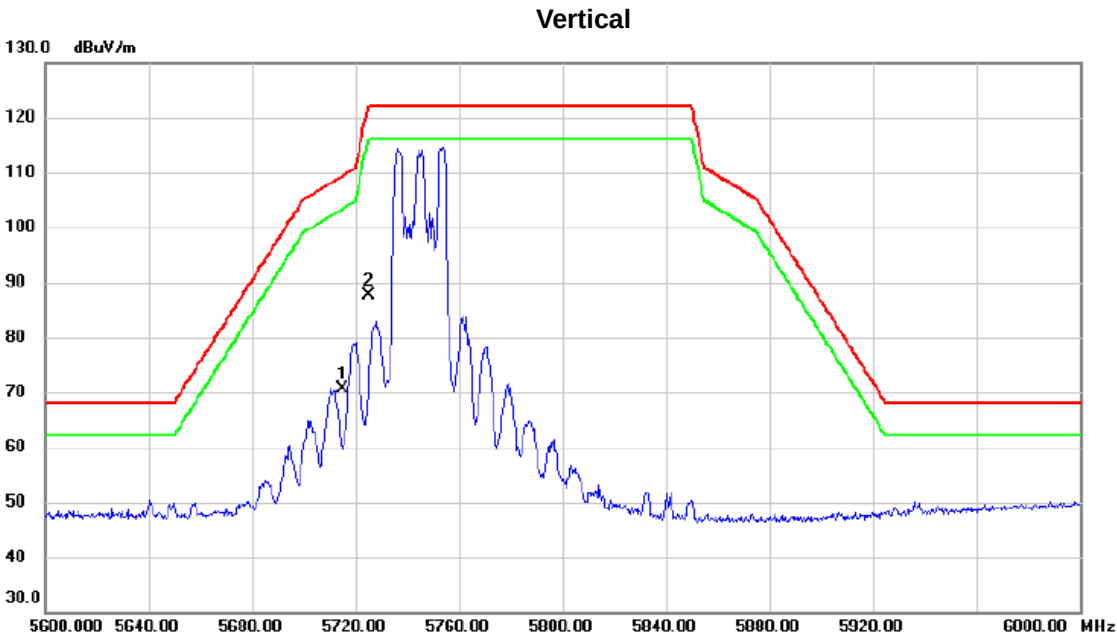


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	11399.68	50.72	-0.25	50.47	74.00	-23.53	peak	

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	26



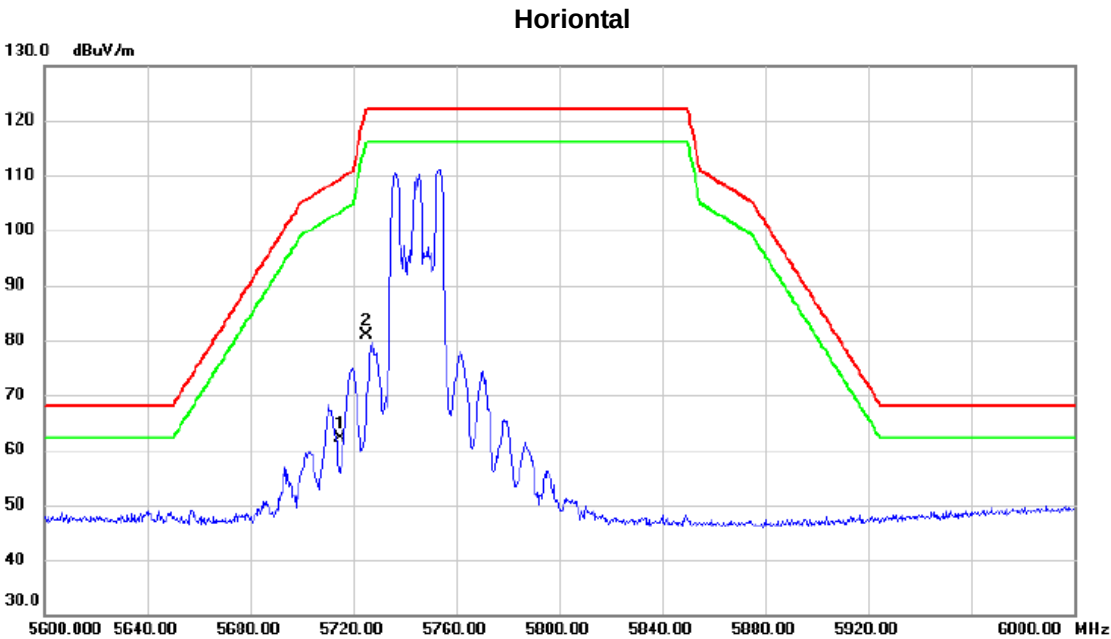
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	30.50	40.02	70.52	109.40	-38.88	peak	
2	*	5725.000	47.70	40.05	87.75	122.20	-34.45	peak	

REMARKS:

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

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

Orthogonal Axis	X		
Test Mode	UNII-3_TX AX (HE20) Mode 5745 MHz	RU configuration	26

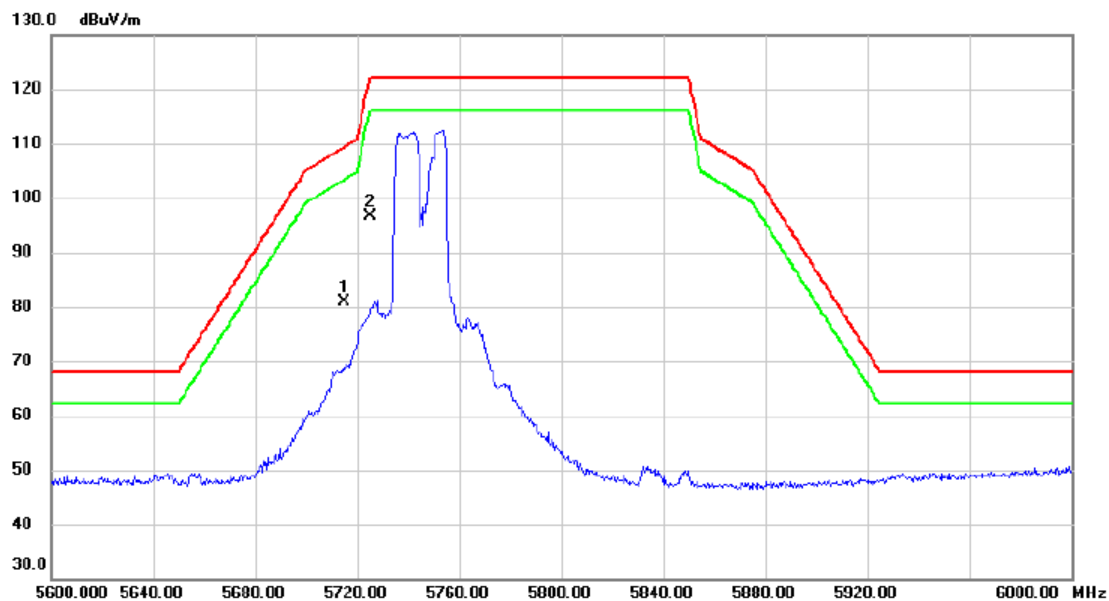


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	22.02	40.02	62.04	109.40	-47.36	peak	
2	*	5725.000	40.81	40.05	80.86	122.20	-41.34	peak	

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	52

Vertical

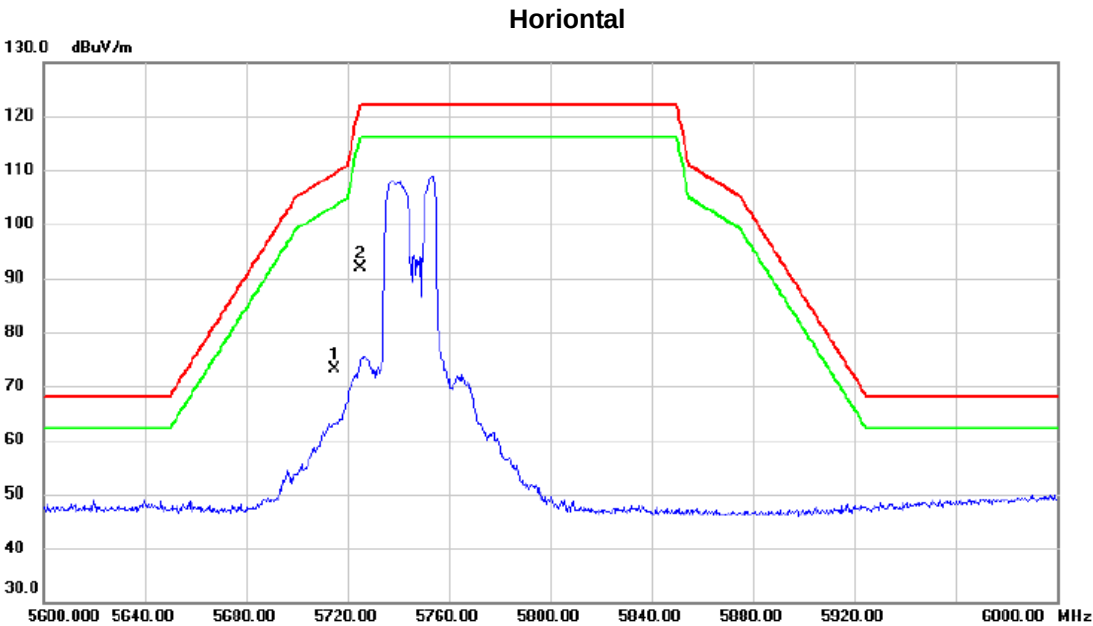


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	40.90	40.02	80.92	109.40	-28.48	peak	
2	*	5725.000	56.64	40.05	96.69	122.20	-25.51	peak	

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	52



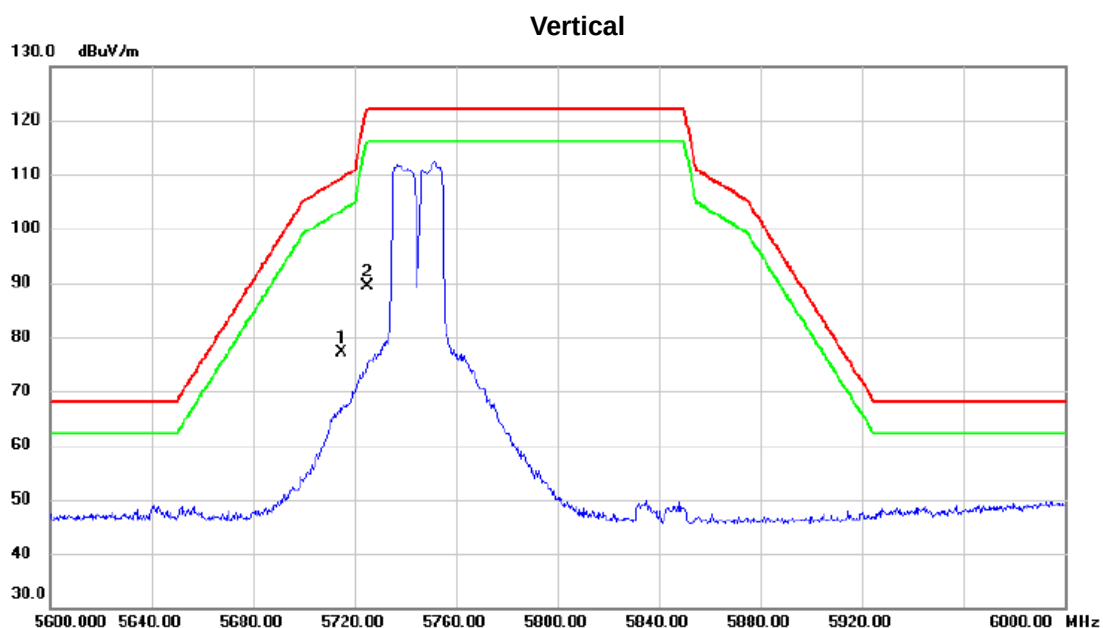
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5715.000	33.22	40.02	73.24	109.40	-36.16	peak	
2	*	5725.000	51.94	40.05	91.99	122.20	-30.21	peak	

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



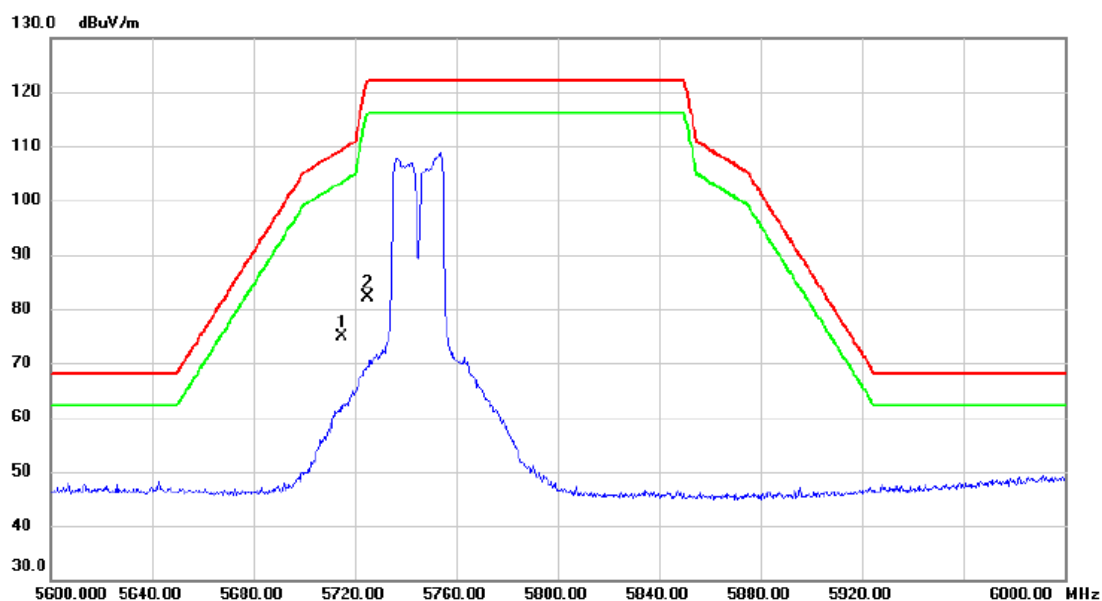
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5715.000	37.00	40.02	77.02	109.40	-32.38	peak	
2		5725.000	49.42	40.05	89.47	122.20	-32.73	peak	

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

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	34.87	40.02	74.89	109.40	-34.51	peak	
2		5725.000	42.16	40.05	82.21	122.20	-39.99	peak	

REMARKS:

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