FCC Radio Test Report

FCC ID: KA2IRLX1870A2

This report concerns: Original Grant

Project No.	:	2005H044A
Equipment	:	1）AX1800 Whole Home Mesh Wi-Fi 6 Router 2）AX1800 Whole Home Mesh Wi-Fi 6 System
Brand Name	:	D-Link
Test Model	:	COVR-X1870
Series Model	:	COVR-X1872, COVR-X1873, DIR-LX1870, DIR-LX1872, DIR-LX1873
Applicant	:	D-Link Corporation
Address	:	17595 Mt. Herrmann,Fountain Valley,California United State 92708
Manufacturer	:	D-Link Corporation
Address	:	17595 Mt. Herrmann,Fountain Valley,California United State 92708
Date of Receipt	:	Jul. 31, 2020
Date of Test	:	Jul. 31, 2020~Sep. 4, 2020
Issued Date	:	Sep.28, 2020
Report Version	:	R00
Test Sample	:	Engineering Sample No.: SH2020052550, SH2020052550-1, SH20200609295-2
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.

Allen Wei

Prepared by : Allen Wei

Ryan. Wang

Approved by : Ryan Wang

Certificate # 5123.03

Add: No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210,China
TEL: +86-021-61765666
Web: www.newbtl.com

Declaration

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

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

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

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.
Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Sep.28, 2020

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E(15.407)				
Standard(s) Section	**Test Item**	**Test Result**	**Judgement**	**Remark**
15.207 15.407(b)	AC Power Line Conducted Emissions	APPENDIX A	PASS	------
15.407(b) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	------
15.407(a) 15.407(e)	Spectrum Bandwidth	APPENDIX E	PASS	------
15.407(a)	Maximum Output Power	APPENDIX F	PASS	------
15.407(a)	Power Spectral Density	APPENDIX G	PASS	------
15.407(g)	Frequency Stability	APPENDIX H	PASS	------
15.203	Antenna Requirements	------	PASS	**NOTE (3)**
15.407(c)	Automatically Discontinue Transmission	------	PASS	**NOTE (3)**

Note:

(1) “N/A” denotes test is not applicable in this test report.

(2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

(3) During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

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. 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	21°C	40%	AC 120V/60Hz	Forest
Radiated Emissions-30 MHz to 1GHz	21°C	40%	AC 120V/60Hz	Forest
Radiated Emissions-Above 1000 MHz	21°C	40%	AC 120V/60Hz	Forest
Spectrum Bandwidth	24°C	56%	AC 120V/60Hz	Forest
Maximum Output Power	24°C	56%	AC 120V/60Hz	Forest
Power Spectral Density	24°C	56%	AC 120V/60Hz	Forest

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	1）AX1800 Whole Home Mesh Wi-Fi 6 Router 2）AX1800 Whole Home Mesh Wi-Fi 6 System
Brand Name	D-Link
Test Model	COVR-X1870
Series Model	COVR-X1872, COVR-X1873, DIR-LX1870, DIR-LX1872, DIR-LX1873
Model Difference(s)	Only the name is different, the number of packaging is different.
Software Version	1
Hardware Version	A1
Power Source	DC voltage supplied from AC/DC adapter. 1# Brand/Model: Gongjin/S12A12-120A100-CJ 2# Brand/Model: Gongjin/WB-12G12R
Power Rating	1# I/P: 100-240V~50/60Hz max 0.5A O/P:12V⎓1A 2# I/P: 100-240V~50-60Hz 0.3A Max. O/P:12.0V⎓1.0A 12.0W
Operation Frequency	UNII-2A: 5250 MHz~5350 MHz UNII-2C: 5470 MHz~5725 MHz
Modulation Type	OFDM
Bit Rate of Transmitter	Up to 866.6 Mbps

Maximum Conducted Output Power for UNII-2A (1TX) Non-Beamforming	IEEE 802.11a: 21.91 dBm (0.1552 W)
Maximum Conducted Output Power for UNII-2C (1TX) Non-Beamforming	IEEE 802.11a: 21.82 dBm (0.1521 W)

Maximum Conducted Output Power for UNII-2A (2TX) Non-Beamforming	IEEE 802.11n (HT20): 22.61 dBm (0.1824 W) IEEE 802.11n (HT40): 23.80 dBm (0.2399 W) IEEE 802.11ac (VHT20): 22.72 dBm (0.1871 W) IEEE 802.11ac (VHT40): 23.84 dBm (0.2421 W) IEEE 802.11ac (VHT80): 21.99 dBm (0.1581 W)
Maximum Conducted Output Power for UNII-2C (2TX) Non-Beamforming	IEEE 802.11n (HT20): 22.86 dBm (0.1932 W) IEEE 802.11n (HT40): 23.76 dBm (0.2377 W) IEEE 802.11ac (VHT20): 22.88 dBm (0.1941 W) IEEE 802.11ac (VHT40): 23.88 dBm (0.2443 W) IEEE 802.11ac (VHT80): 20.90 dBm (0.1230 W)

Maximum Conducted Output Power for UNII-2A (2TX) Beamforming	IEEE 802.11n (HT20): 22.44 dBm (0.1754 W) IEEE 802.11n (HT40): 23.38 dBm (0.2178 W) IEEE 802.11ac (VHT20): 22.50 dBm (0.1778 W) IEEE 802.11ac (VHT40): 23.56 dBm (0.2270 W) IEEE 802.11ac (VHT80): 21.84 dBm (0.1528 W)
Maximum Conducted Output Power for UNII-2C (2TX) Beamforming	IEEE 802.11n (HT20): 22.81 dBm (0.1910 W) IEEE 802.11n (HT40): 23.62 dBm (0.2301 W) IEEE 802.11ac (VHT20): 22.83 dBm (0.1919 W) IEEE 802.11ac (VHT40): 23.78 dBm (0.2388 W) IEEE 802.11ac (VHT80): 20.80 dBm (0.1202 W)

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. Channel List:

IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40)		IEEE 802.11ac (VHT80)	
UNII-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 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40)		IEEE 802.11ac (VHT80)	
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				

3. Antenna Specification:

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

Note:

(1) Beamforming:

All antennas have the same gain, Directional gain = G_{ANT} + 10 log(N_{ANT}) dBi,

that is Directional gain=3 + 10log(2) dBi =6.01;

So output power limit is 24-6.01+6=23.99, the power density limit is 11-(6.01-6)=10.99..

(2) Non-Beamforming:

All antennas have the same gain, Directional gain = G_{ANT}+Array Gain,

For power spectral density measurements, N_{ANT} =2, N_{SS} = 1. So Directional gain = G_{ANT} + Array Gain =10log (N_{ANT}/ N_{SS}) dB =3+10log(2/1)dBi=6.01. Then, the power density limit is 11-(6.01-6)=10.99.

4. Table for Antenna Configuration:

Operating Mode / TX Mode	Ant. 1	Ant. 2	Ant. 1 + Ant. 2
IEEE 802.11a	✓	✓	×
IEEE 802.11n (HT20)	✓	✓	✓
IEEE 802.11n (HT40)	✓	✓	✓
IEEE 802.11ac (VHT20)	✓	✓	✓
IEEE 802.11ac (VHT40)	✓	✓	✓
IEEE 802.11ac (VHT80)	✓	✓	✓

2.2 TEST MODES

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

Pretest Mode	Description
Mode 1	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 2	TX N (HT20) Mode / CH52, CH60, CH64 (UNII-2A)
Mode 3	TX N (HT40) Mode / CH54, CH62 (UNII-2A)
Mode 4	TX AC (VHT20) Mode / CH52, CH60, CH64 (UNII-2A)
Mode 5	TX AC (VHT40) Mode / CH54, CH62 (UNII-2A)
Mode 6	TX AC (VHT80) Mode / CH58 (UNII-2A)
Mode 7	TX A Mode / CH100, CH116, CH140 (UNII-2C)
Mode 8	TX N (HT20) Mode / CH100, CH116, CH140 (UNII-2C)
Mode 9	TX N (HT40) Mode / CH102, CH110, CH134 (UNII-2C)
Mode 10	TX AC (VHT20) Mode / CH100, CH116, CH140 (UNII-2C)
Mode 11	TX AC (VHT40) Mode / CH102, CH110, CH134 (UNII-2C)
Mode 12	TX AC (VHT80) Mode / CH106, CH122 (UNII-2C)
Mode 13	TX AC(VHT40) Mode / CH134 (UNII-2C)

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 13	TX AC(VHT40) Mode / CH134 (UNII-2C)

Radiated emissions test	
Final Test Mode	Description
Mode 1	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 2	TX AC (VHT20) Mode / CH52, CH60, CH64 (UNII-2A)
Mode 3	TX AC (VHT40) Mode / CH54, CH62 (UNII-2A)
Mode 4	TX AC (VHT80) Mode / CH58 (UNII-2A)
Mode 5	TX A Mode / CH100, CH116, CH140 (UNII-2C)
Mode 6	TX AC (VHT20) Mode / CH100, CH116, CH140 (UNII-2C)
Mode 7	TX AC (VHT40) Mode / CH102, CH110, CH134 (UNII-2C)
Mode 8	TX AC (VHT80) Mode / CH106, CH122 (UNII-2C)

Conducted test	
Test Mode	Description
Mode 1	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 2	TX AC (VHT20) Mode / CH52, CH60, CH64 (UNII-2A)
Mode 3	TX AC (VHT40) Mode / CH54, CH62 (UNII-2A)
Mode 4	TX AC (VHT80) Mode / CH58 (UNII-2A)
Mode 5	TX A Mode / CH100, CH116, CH140 (UNII-2C)
Mode 6	TX AC (VHT20) Mode / CH100, CH116, CH140 (UNII-2C)
Mode 7	TX AC (VHT40) Mode / CH102, CH110, CH134 (UNII-2C)
Mode 8	TX AC (VHT80) Mode / CH106, CH122 (UNII-2C)

Note：

(1) For radiated emission below 1 GHz test, the IEEE 802.11ac40 is found to be the worst case and recorded.

2.3 PARAMETERS OF TEST SOFTWARE

Non-Beamforming

UNII-2A - 1TX			
Test Software	accessMTool		
Test Frequency (MHz)	5260	5300	5320
IEEE 802.11a	90	90	86

UNII-2C - 1TX			
Test Software	accessMTool		
Test Frequency (MHz)	5500	5580	5700
IEEE 802.11a	89	89	84

UNII-2A - 2TX			
Test Software	accessMTool		
Test Frequency (MHz)	5260	5300	5320
IEEE 802.11n (HT20)	82	81	81
Test Frequency (MHz)	5270	5310	
IEEE 802.11n (HT40)	83	78	

UNII-2C - 2TX			
Test Software	accessMTool		
Test Frequency (MHz)	5500	5580	5700
IEEE 802.11n (HT20)	80	79	78
Test Frequency (MHz)	5510	5550	5670
IEEE 802.11n (HT40)	78	84	85

UNII-2A - 2TX			
Test Software	accessMTool		
Test Frequency (MHz)	5260	5300	5320
IEEE 802.11ac (VHT20)	82	81	81
Test Frequency (MHz)	5270	5310	
IEEE 802.11ac (VHT40)	83	78	
Test Frequency (MHz)	5290		
IEEE 802.11ac (VHT80)	80		

UNII-2C - 2TX			
Test Software	accessMTool		
Test Frequency (MHz)	5500	5580	5700
IEEE 802.11ac (VHT20)	80	79	78
Test Frequency (MHz)	5510	5550	5670
IEEE 802.11ac (VHT40)	78	84	86
Test Frequency (MHz)	5530	5610	
IEEE 802.11ac (VHT80)	78	78	

Beamforming

UNII-2A - 2TX			
Test Software	accessMTool		
Test Frequency (MHz)	5260	5300	5320
IEEE 802.11n (HT20)	82	81	81
Test Frequency (MHz)	5270	5310	
IEEE 802.11n (HT40)	83	78	

UNII-2C - 2TX			
Test Software	accessMTool		
Test Frequency (MHz)	5500	5580	5700
IEEE 802.11n (HT20)	80	79	78
Test Frequency (MHz)	5510	5550	5670
IEEE 802.11n (HT40)	78	84	85

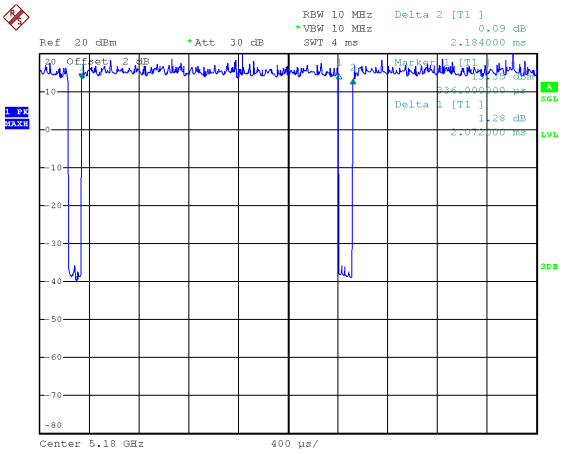
UNII-2A - 2TX			
Test Software	accessMTool		
Test Frequency (MHz)	5260	5300	5320
IEEE 802.11ac (VHT20)	82	81	81
Test Frequency (MHz)	5270	5310	
IEEE 802.11ac (VHT40)	83	78	
Test Frequency (MHz)	5290		
IEEE 802.11ac (VHT80)	80		

UNII-2C - 2TX			
Test Software	accessMTool		
Test Frequency (MHz)	5500	5580	5700
IEEE 802.11ac (VHT20)	80	79	78
Test Frequency (MHz)	5510	5550	5670
IEEE 802.11ac (VHT40)	78	84	86
Test Frequency (MHz)	5530	5610	
IEEE 802.11ac (VHT80)	78	78	

2.4 DUTY CYCLE

If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.
The output power = measured power + duty factor.

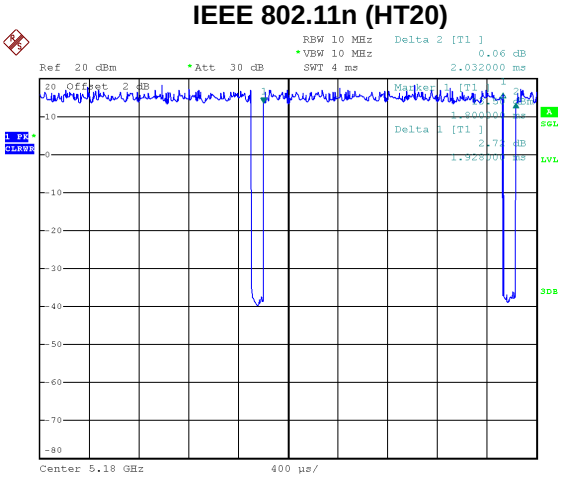
IEEE 802.11a



Date: 27.MAY.2020 19:38:29

Duty cycle = 2.072 ms / 2.184 ms = 94.87%
Duty Factor = 10 * log(1 / Duty cycle) = 0.23 dB

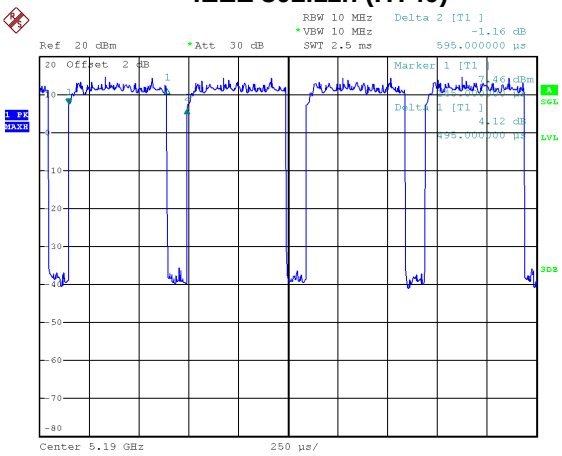
IEEE 802.11n (HT20)



Date: 27.MAY.2020 19:39:55

Duty cycle = 1.928 ms / 2.032 ms = 94.88%
Duty Factor = 10 * log(1 / Duty cycle) = 0.23 dB

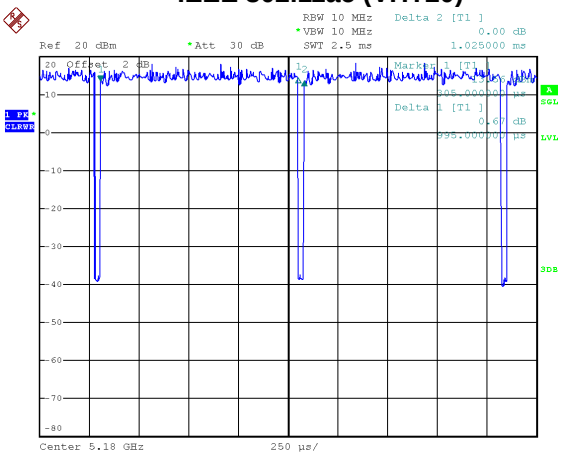
IEEE 802.11n (HT40)



Date: 27.MAY.2020 19:43:29

Duty cycle = 0.495 ms / 0.595 ms = 83.19%
Duty Factor = 10 * log(1 / Duty cycle) = 0.80 dB

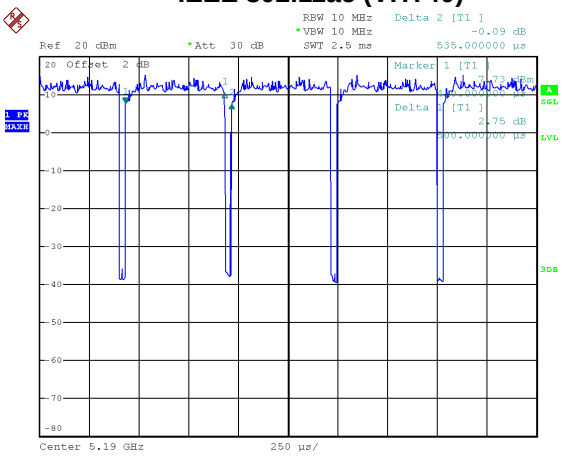
IEEE 802.11ac (VHT20)



Date: 27.MAY.2020 19:40:31

Duty cycle = 0.995 ms / 1.025 ms = 97.07%
Duty Factor = 10 * log(1 / Duty cycle) = 0.13 dB

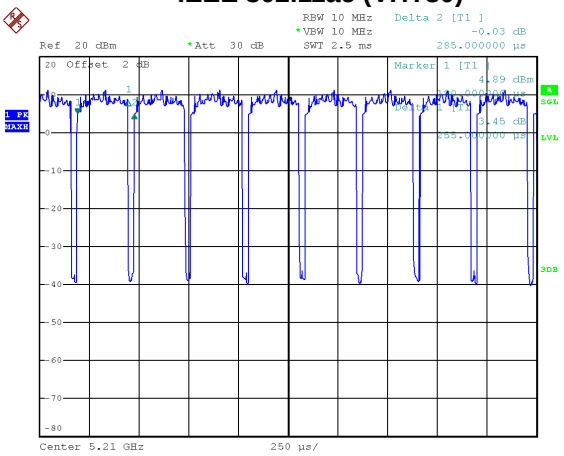
IEEE 802.11ac (VHT40)



Date: 27.MAY.2020 19:41:39

Duty cycle = 0.500 ms / 0.535 ms = 93.46%
Duty Factor = 10 * log(1 / Duty cycle) = 0.29 dB

IEEE 802.11ac (VHT80)

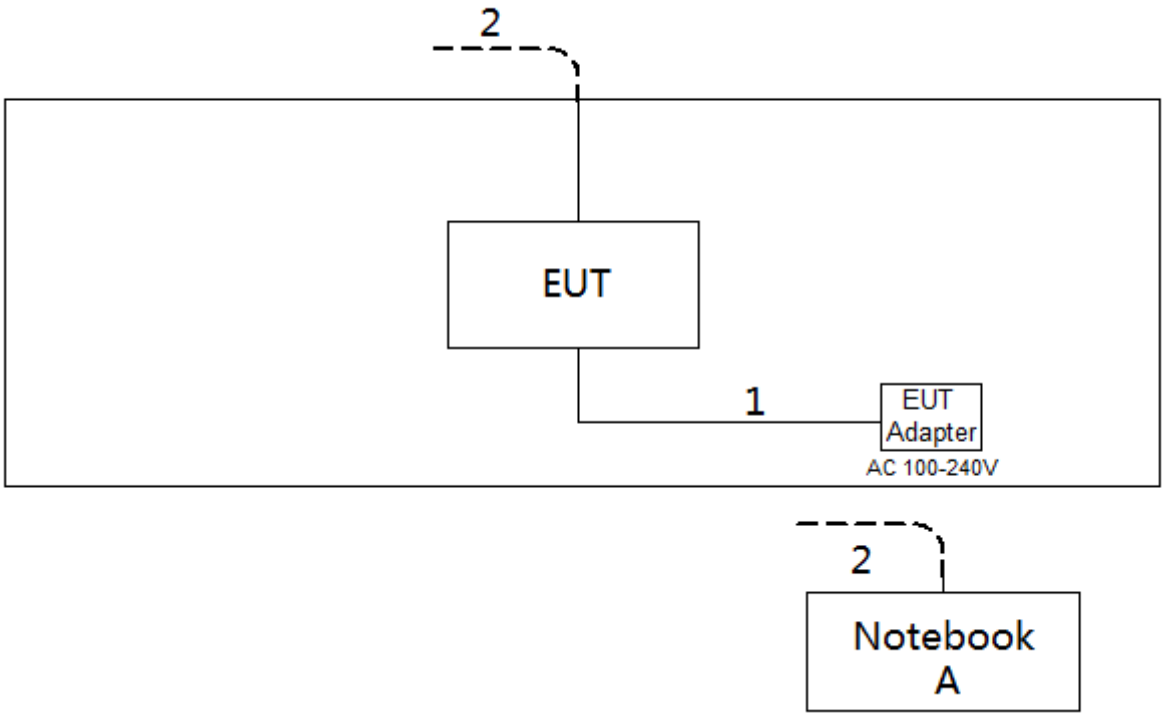


Date: 27.MAY.2020 19:44:12

Duty cycle = 0.255 ms / 0.285 ms = 89.47%
Duty Factor = 10 * log(1 / Duty cycle) = 0.48 dB

NOTE:
For IEEE 802.11a, IEEE 802.11n (HT20) and IEEE 802.11ac (VHT20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle < 98%).
For IEEE 802.11n (HT40) and IEEE 802.11ac (VHT40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle < 98%).
For IEEE 802.11ac (VHT80):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 kHz (Duty cycle < 98%).

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Lenovo	#P152014	N/A

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

3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

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

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

The following table is the setting of the receiver

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

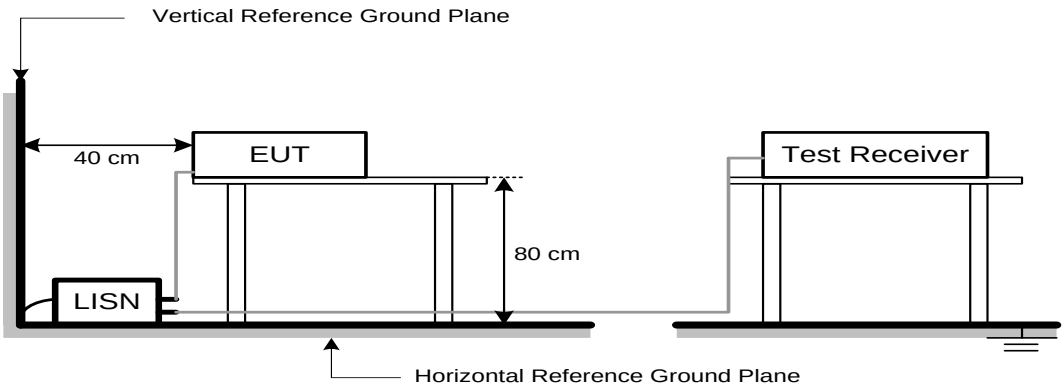
3.2 TEST PROCEDURE

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

3.3 DEVIATION FROM TEST STANDARD

No deviation

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

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

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS TEST

4.1 LIMIT

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

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

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

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (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:

$$E = \frac{1000000\sqrt{30P}}{3}$$ μV/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

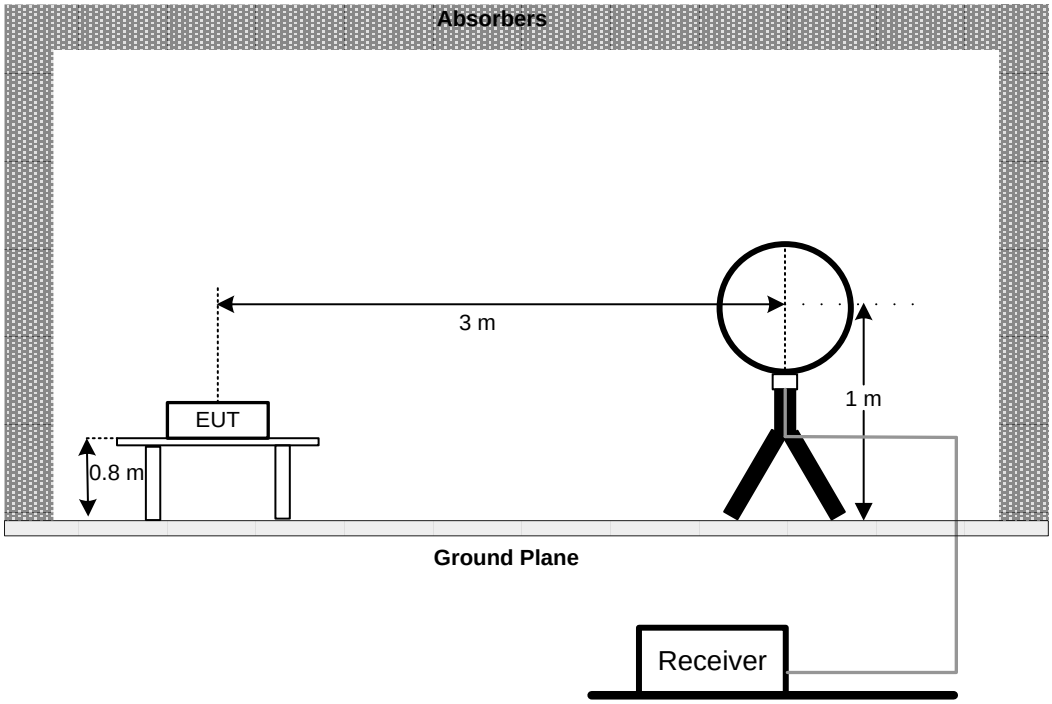
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance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

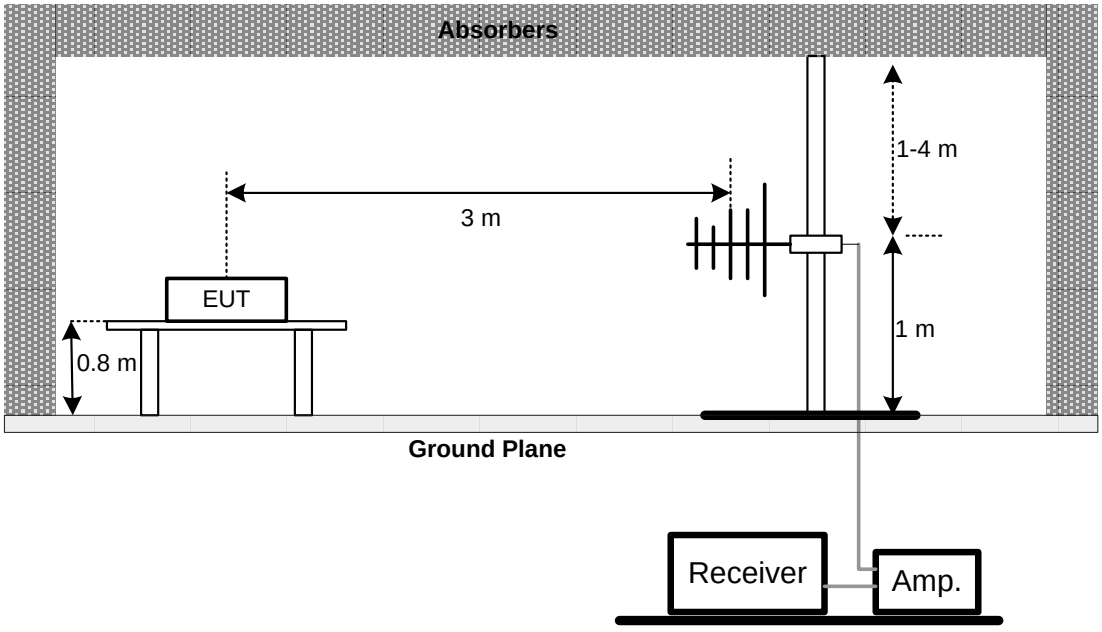
No deviation

4.4 TEST SETUP

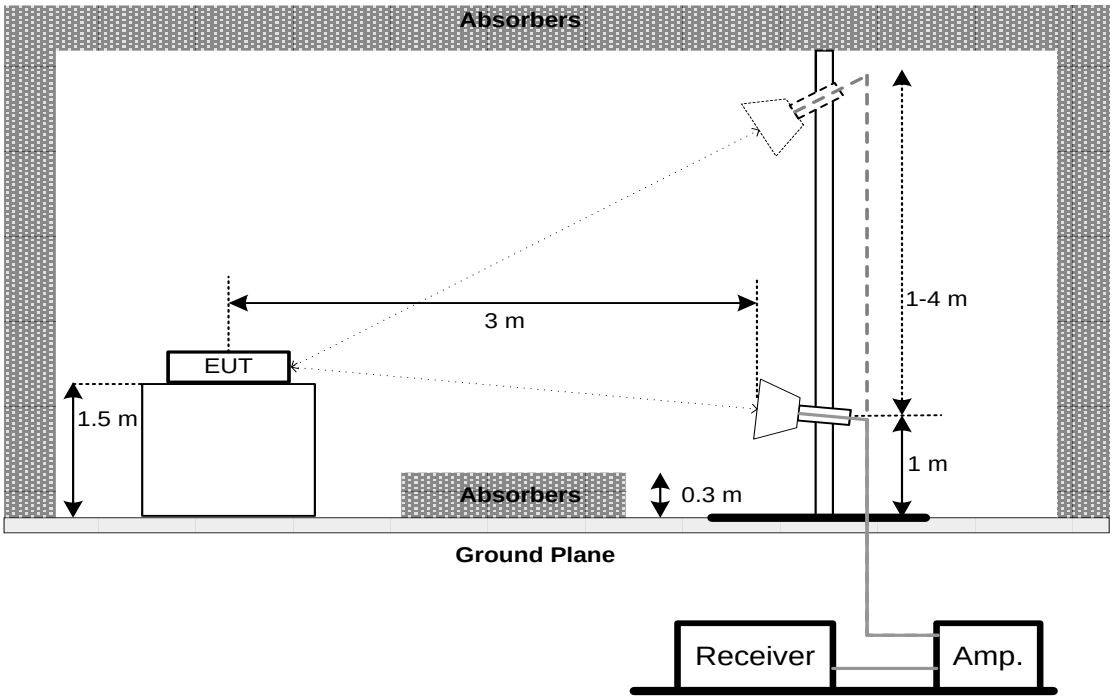
9 kHz to 30 MHz



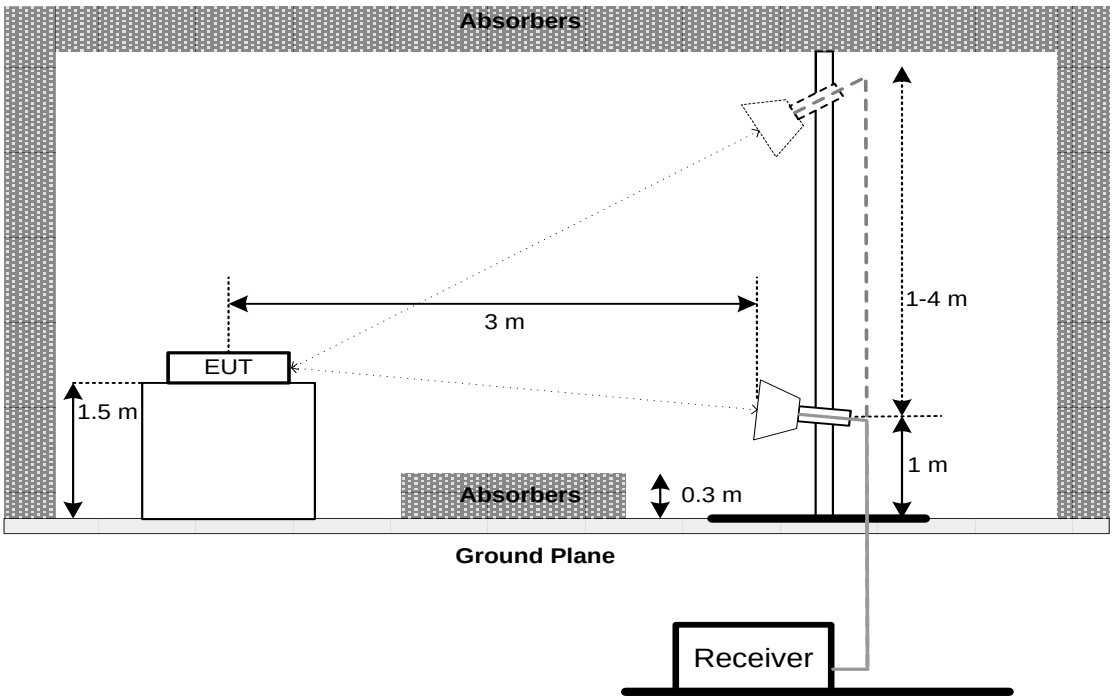
30 MHz to 1 GHz



Above 1 GHz



Above 1 GHz
Band edge



4.5 EUT OPERATION CONDITIONS

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

4.6 TEST RESULTS - 9 KHZ to 30 MHZ

Please refer to the APPENDIX B

Remark:

(1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
(2) Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
(3) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.7 TEST RESULTS - 30 MHz TO 1000 MHz

Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHz

Please refer to the APPENDIX D.

Remark:

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

5. BANDWIDTH TEST

5.1 LIMIT

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

5.2 TEST PROCEDURE

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

b. a. Spectrum Setting:

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

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

For UNII-3:

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

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

5.3 TEST PROCEDURE

No deviation.

5.4 TEST SETUP

5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER TEST

6.1 LIMIT

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

Note:

a. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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

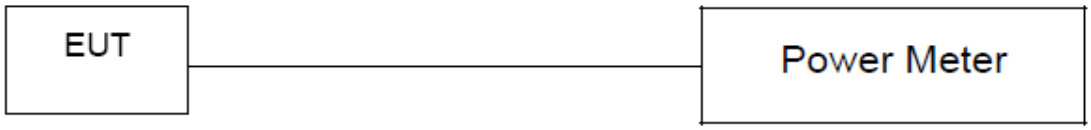
6.2 TEST PROCEDURE

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

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. POWER SPECTRAL DENSITY 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

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

b. Spectrum Setting

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

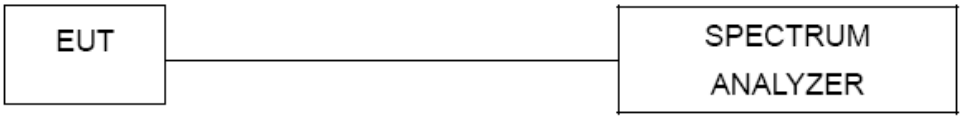
Note:

1. The value measured with RBW=1 MHz is to be added with 10log(500 kHz/1 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 G.

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	Aug. 23, 2021
3	EMI Test Receiver	R&S	ESCI	100082	Mar. 21, 2021
4	50Ω coaxial switch	Anritsu	MP59B	6201750902	Mar. 21, 2021
5	Cable	10m	EMCRG400-BM-NM-10000	170628	Jul. 15, 2021
6	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	Cable	N/A	EMCRG400-BM-NM-10000	170628	Jul. 15, 2021
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	May. 06, 2021
4	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	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	Attenuator	emci	EMCI-N-6-06	AT-N0644	Mar. 21, 2021
5	Cable	7m	EMC104-SM-SM-7000	170330	Apr. 13, 2021
6	Cable	1m	EMC104-SM-SM-1000	170331	Apr. 13, 2021
7	Cable	3.5m	EMC104-SM-NM-3500	170621	Apr. 13, 2021
8	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	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	Schwarzbeck	BBHA 9120D	9120D-1787	Mar. 21, 2021
2	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	3116C	00203919	Mar. 21, 2021
3	Pre-Amplifier	emci	EMC012645SE	980421	May. 11, 2021
4	Pre-Amplifier	emci	EMC184045SE	980409	Mar. 21, 2021
5	EXA Spectrum Analyzer	Keysight	N9010A	MY56480559	Mar. 21, 2021
6	MXE EMI Receiver	Keysight	N9038A	MY56400088	Mar. 21, 2021
7	Cable	7m	EMC104-SM-SM-7000	170330	Apr. 13, 2021
8	Cable	1m	EMC104-SM-SM-1000	170331	Apr. 13, 2021
9	Cable	3.5m	EMC104-SM-NM-3500	170621	Apr. 13, 2021
10	Cable	0.8m	EMC102-SM-SM-800	170335	Apr. 13, 2021
11	Cable	6m	EMC102-SM-SM-6000	170336	Apr. 13, 2021
12	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

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

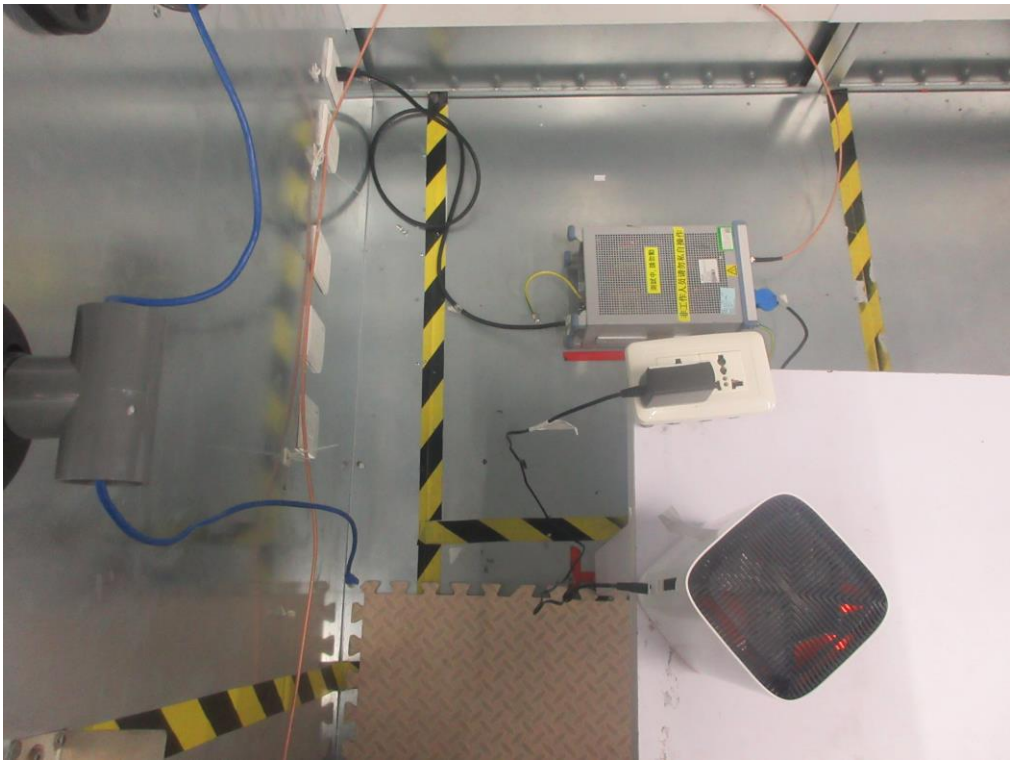
Conducted Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021

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.

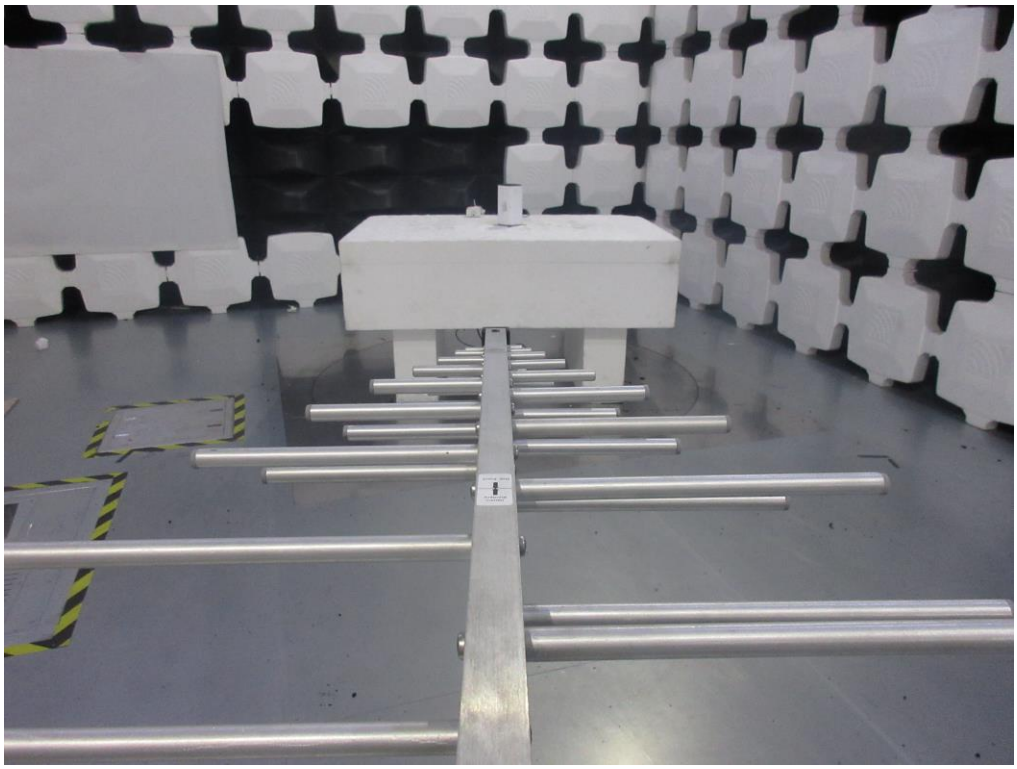
9. EUT TEST PHOTOS

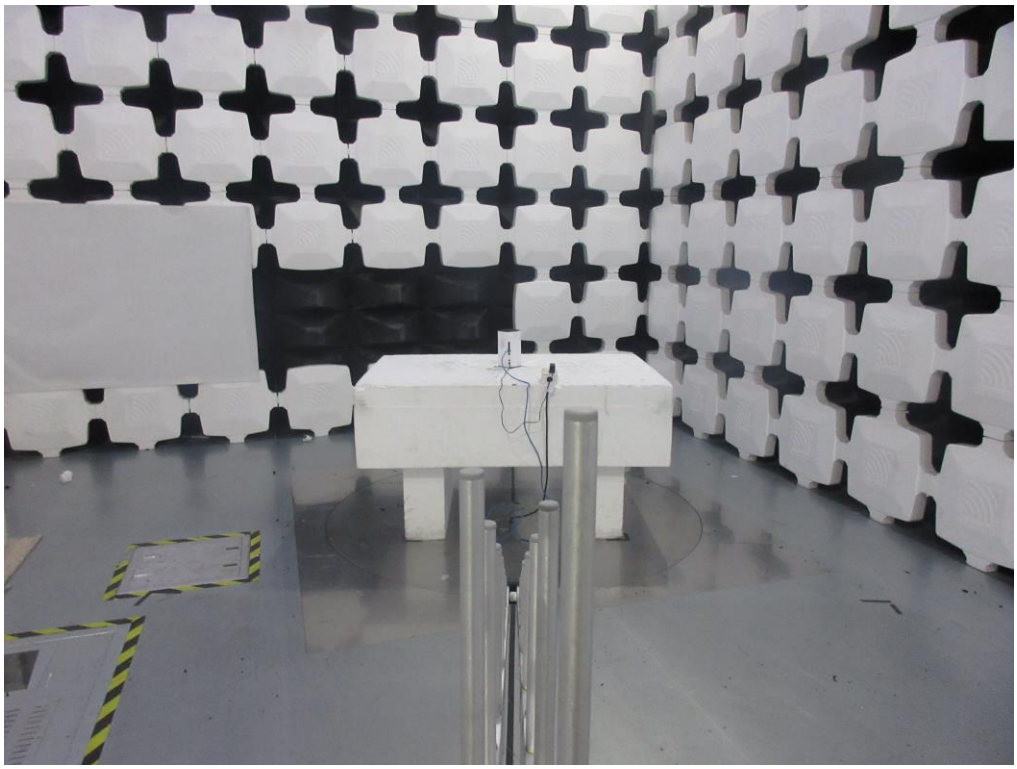
Conducted Emissions Test Photos



Radiated Emissions Test Photos

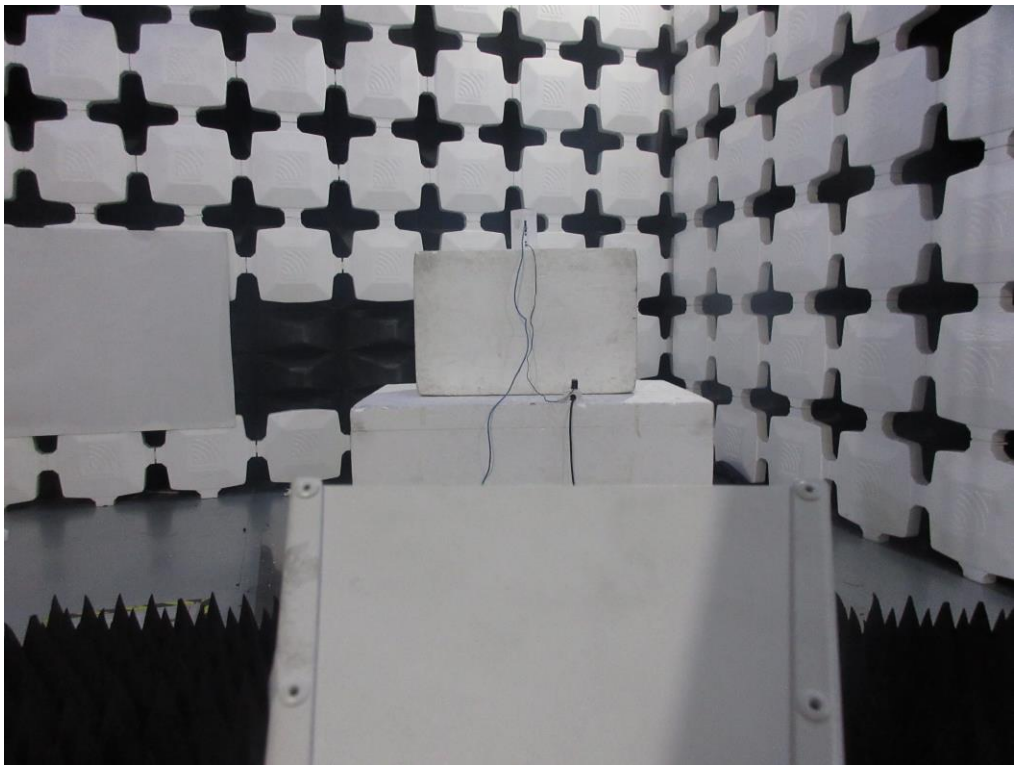
30 MHz to 1 GHz





Radiated Emissions Test Photos

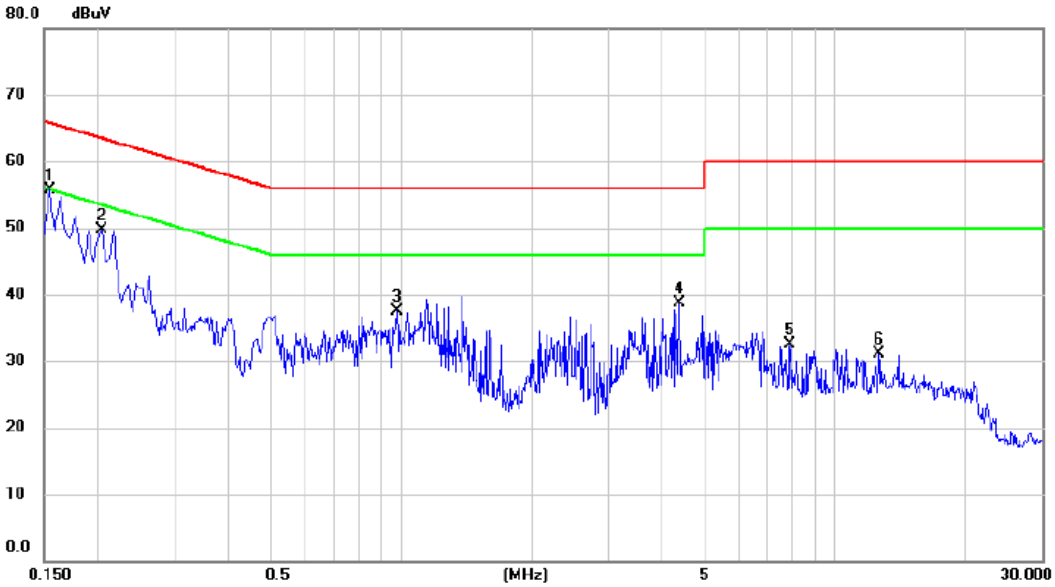
Above 1 GHz



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode:	UNII-2C_TX AC (VHT40) Mode 5670 MHz

Line

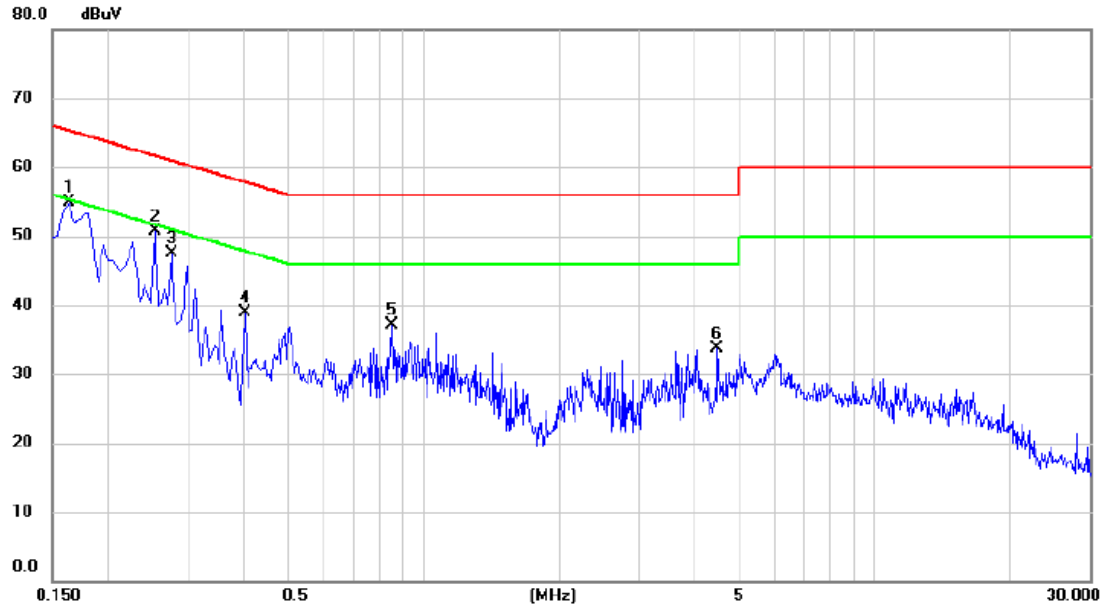


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1544	45.96	9.73	55.69	65.76	-10.07	peak	
2		0.2040	39.84	9.78	49.62	63.45	-13.83	peak	
3		0.9780	27.66	9.75	37.41	56.00	-18.59	peak	
4		4.3710	28.75	9.93	38.68	56.00	-17.32	peak	
5		7.8675	22.35	10.12	32.47	60.00	-27.53	peak	
6		12.6015	20.94	10.19	31.13	60.00	-28.87	peak	

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

Test Mode:	UNII-2C_TX AC (VHT40) Mode 5670 MHz

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1635	45.22	9.61	54.83	65.28	-10.45	peak	
2		0.2535	41.11	9.65	50.76	61.64	-10.88	peak	
3		0.2760	37.86	9.65	47.51	60.94	-13.43	peak	
4		0.4020	29.27	9.67	38.94	57.81	-18.87	peak	
5		0.8520	27.42	9.72	37.14	56.00	-18.86	peak	
6		4.4790	23.88	9.92	33.80	56.00	-22.20	peak	

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

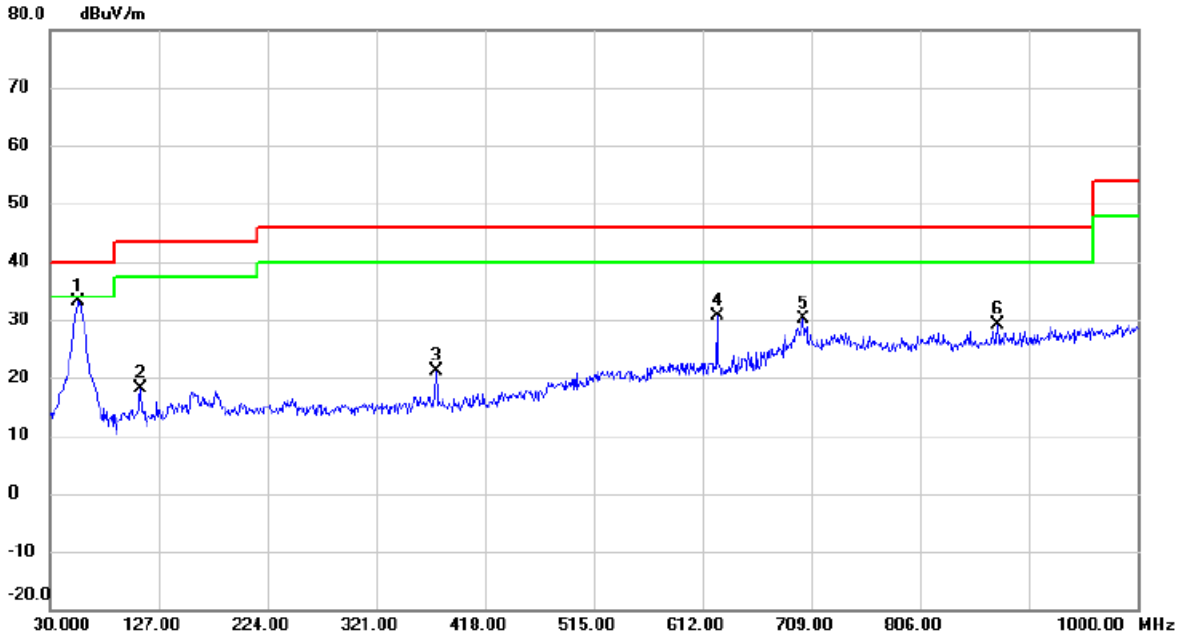
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Note: The measured value have enough margin over 20dB than the limit, therefore they are not reported.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1 GHZ

Test Mode:	UNII-2C_TX AC (VHT40) Mode 5670 MHz

Vertical

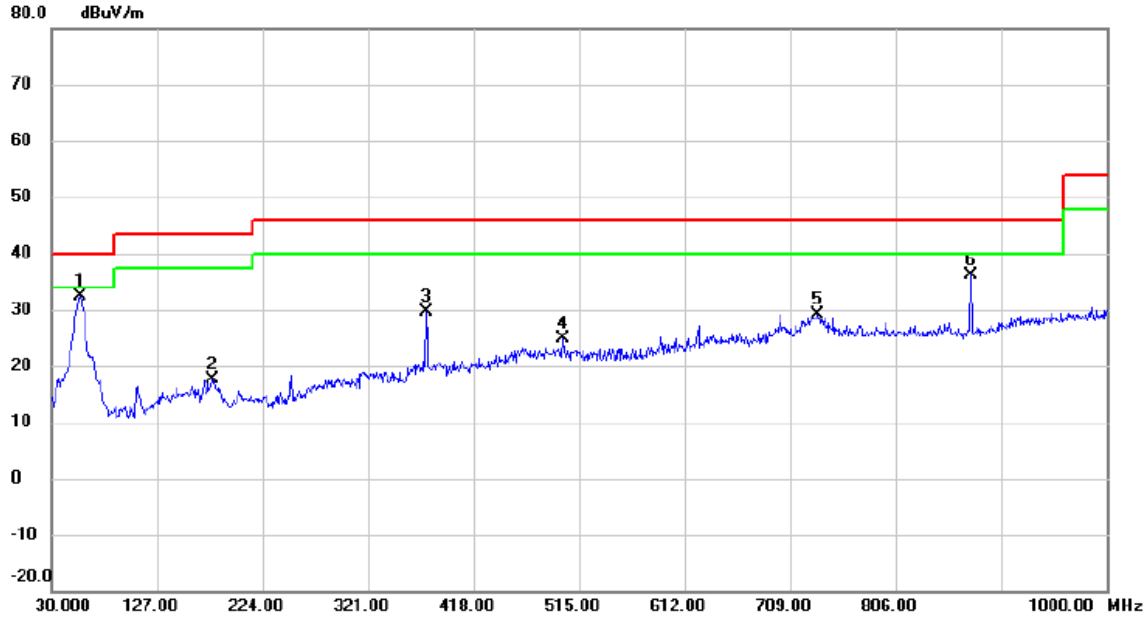


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	55.7050	49.77	-16.61	33.16	40.00	-6.84	peak	
2		110.5100	37.27	-19.20	18.07	43.50	-25.43	peak	
3		374.8350	34.24	-13.11	21.13	46.00	-24.87	peak	
4		625.0950	38.26	-7.75	30.51	46.00	-15.49	peak	
5		701.2400	36.92	-6.77	30.15	46.00	-15.85	peak	
6		874.8700	33.89	-4.66	29.23	46.00	-16.77	peak	

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

Test Mode:	UNII-2C_TX AC (VHT40) Mode 5670 MHz

Horizontal



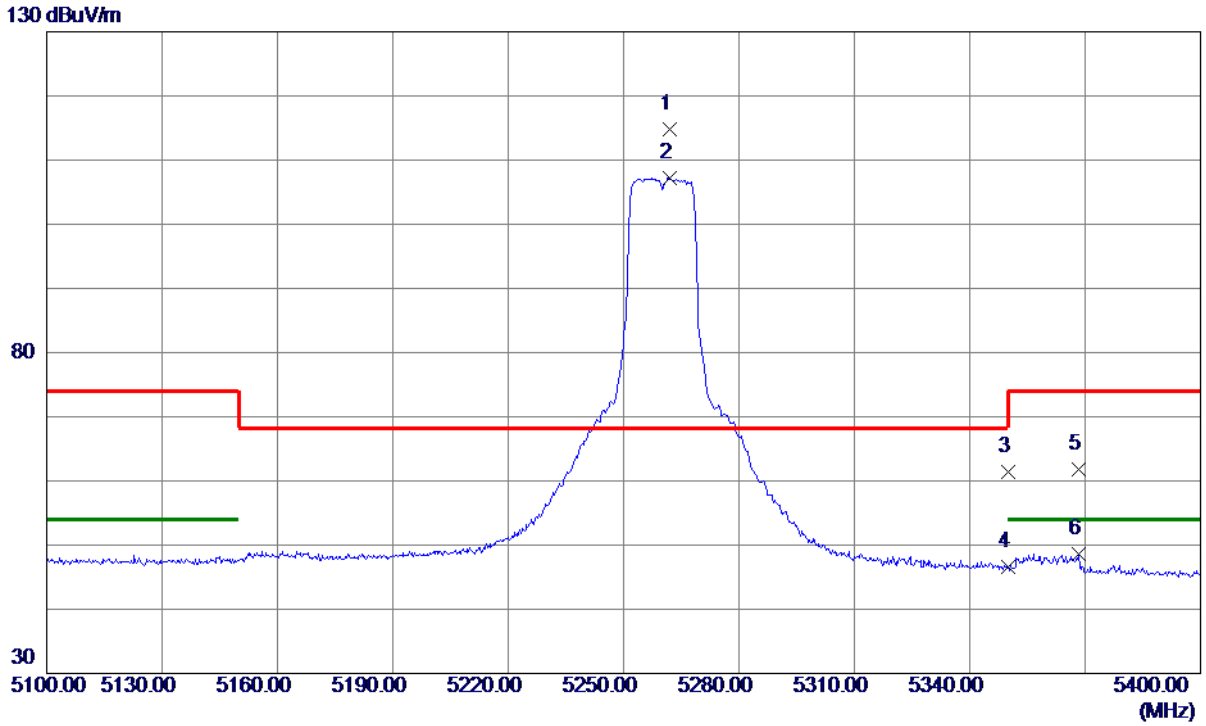
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	56.6750	48.99	-16.66	32.33	40.00	-7.67	peak	
2		177.9250	34.25	-16.52	17.73	43.50	-25.77	peak	
3		374.8350	42.81	-13.11	29.70	46.00	-16.30	peak	
4		499.9650	35.14	-10.32	24.82	46.00	-21.18	peak	
5		734.7050	35.16	-6.11	29.05	46.00	-16.95	peak	
6		874.8700	40.77	-4.66	36.11	46.00	-9.89	peak	

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

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5260 MHz

Vertical

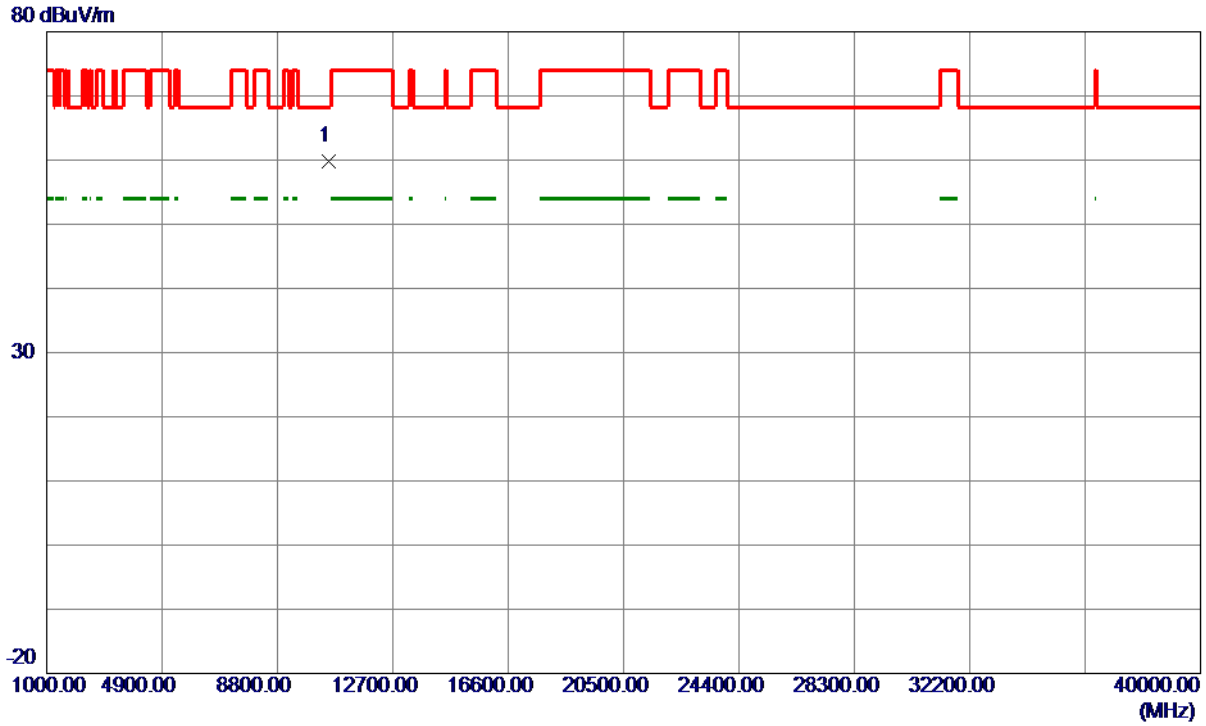


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5262.0000	77.16	37.59	114.75	68.30	46.45	Peak	No limit
2	5262.0000	69.67	37.59	107.26	999.00	-891.74	AVG	No limit
3	5350.0000	23.62	37.74	61.36	74.00	-12.64	Peak	
4	5350.0000	8.77	37.74	46.51	54.00	-7.49	AVG	
5	5368.2000	23.98	37.81	61.79	74.00	-12.21	Peak	
6	5368.2000	10.73	37.81	48.54	54.00	-5.46	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5260 MHz

Vertical

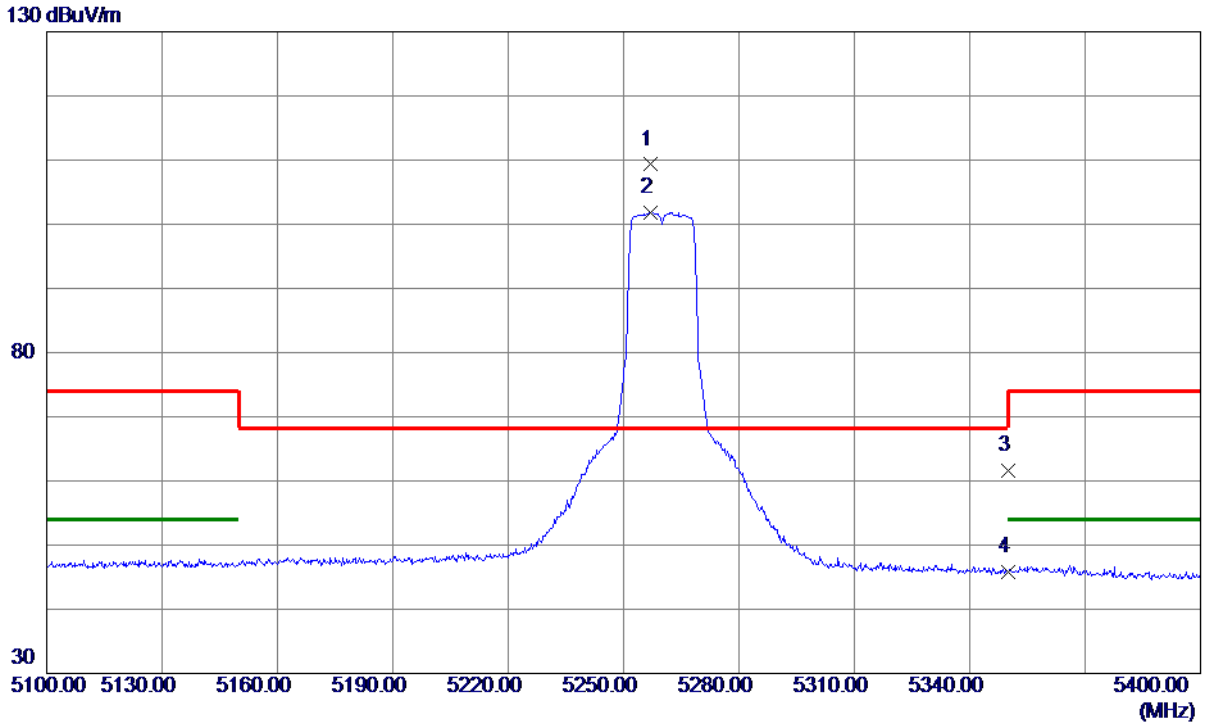


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10525.3099	57.89	1.85	59.74	68.30	-8.56	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5260 MHz

Horizontal

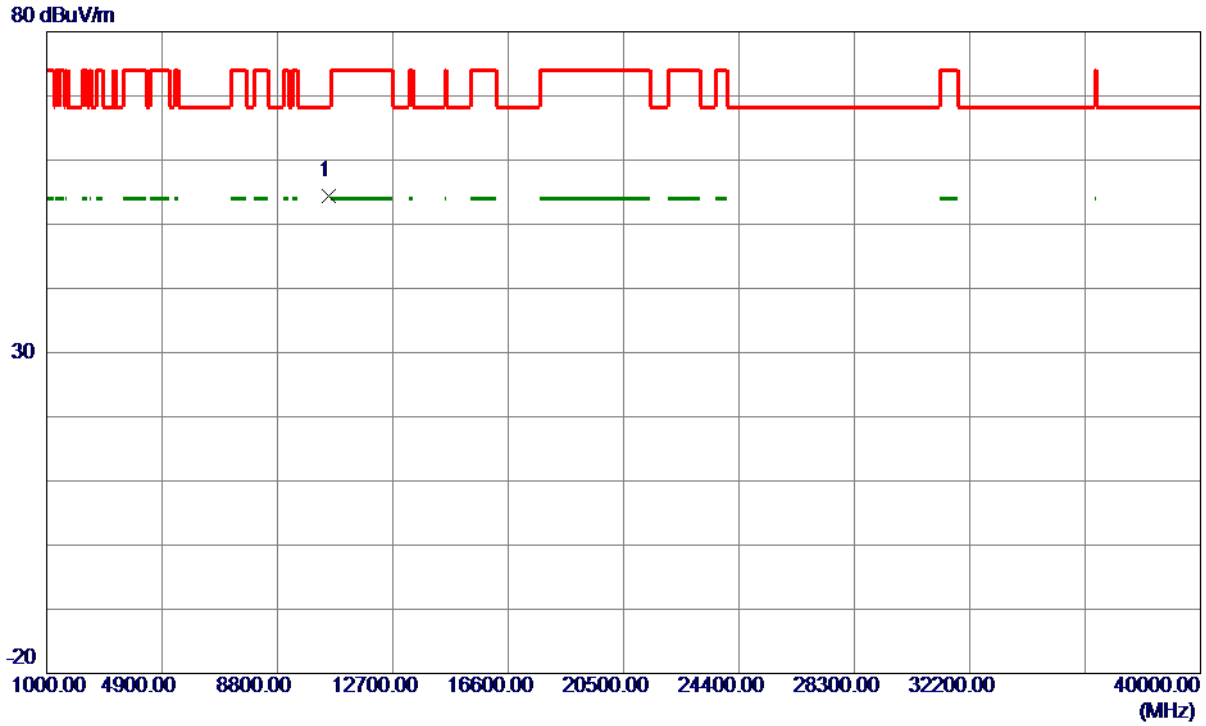


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5256.9000	71.70	37.60	109.30	68.30	41.00	Peak	No limit
2	5256.9000	64.22	37.60	101.82	999.00	-897.18	AVG	No limit
3	5350.0000	23.95	37.74	61.69	74.00	-12.31	Peak	
4	5350.0000	8.13	37.74	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 A Mode 5260 MHz

Horizontal

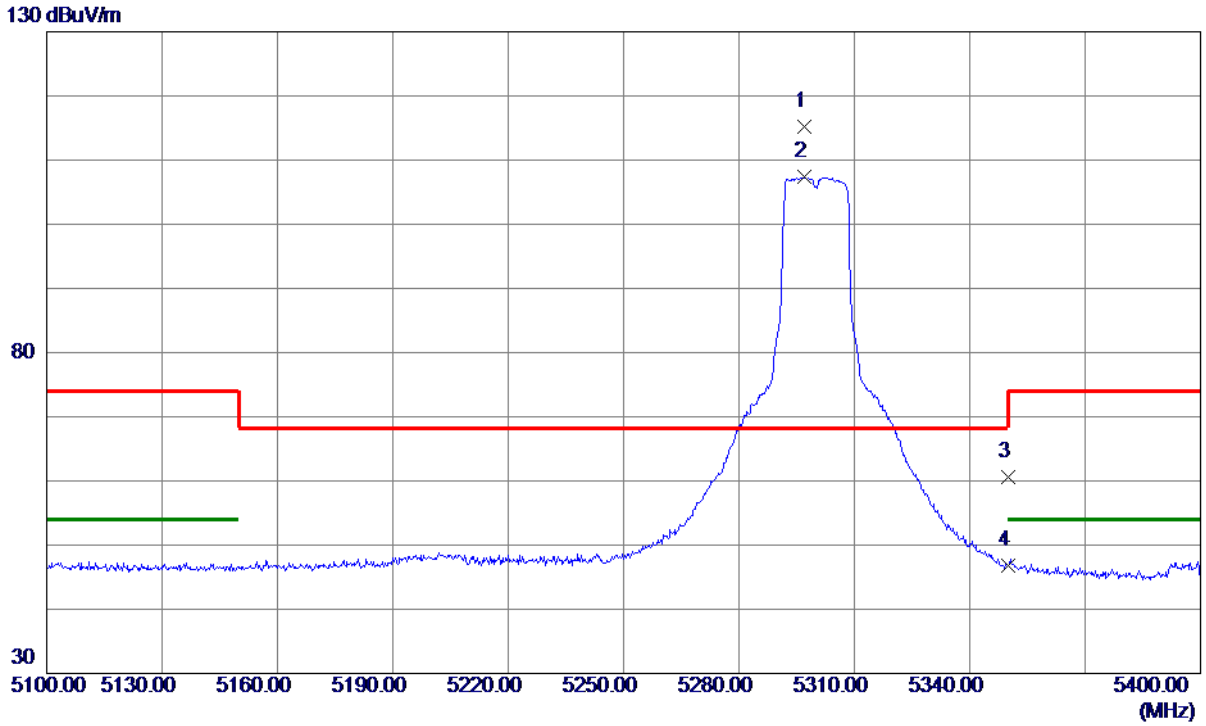


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10521.6000	52.51	1.84	54.35	68.30	-13.95	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5300 MHz

Vertical

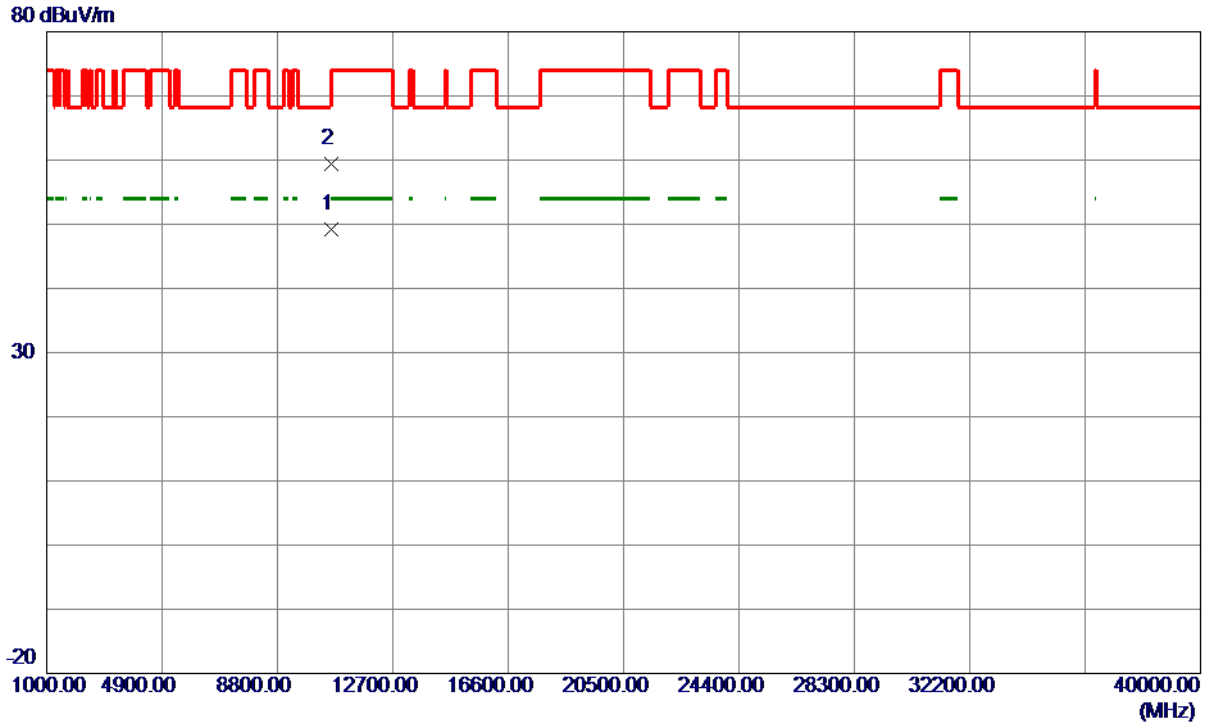


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5297.1000	77.74	37.54	115.28	68.30	46.98	Peak	No limit
2	5297.1000	69.84	37.54	107.38	999.00	-891.62	AVG	No limit
3	5350.0000	22.87	37.74	60.61	74.00	-13.39	Peak	
4	5350.0000	9.06	37.74	46.80	54.00	-7.20	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5300 MHz

Vertical

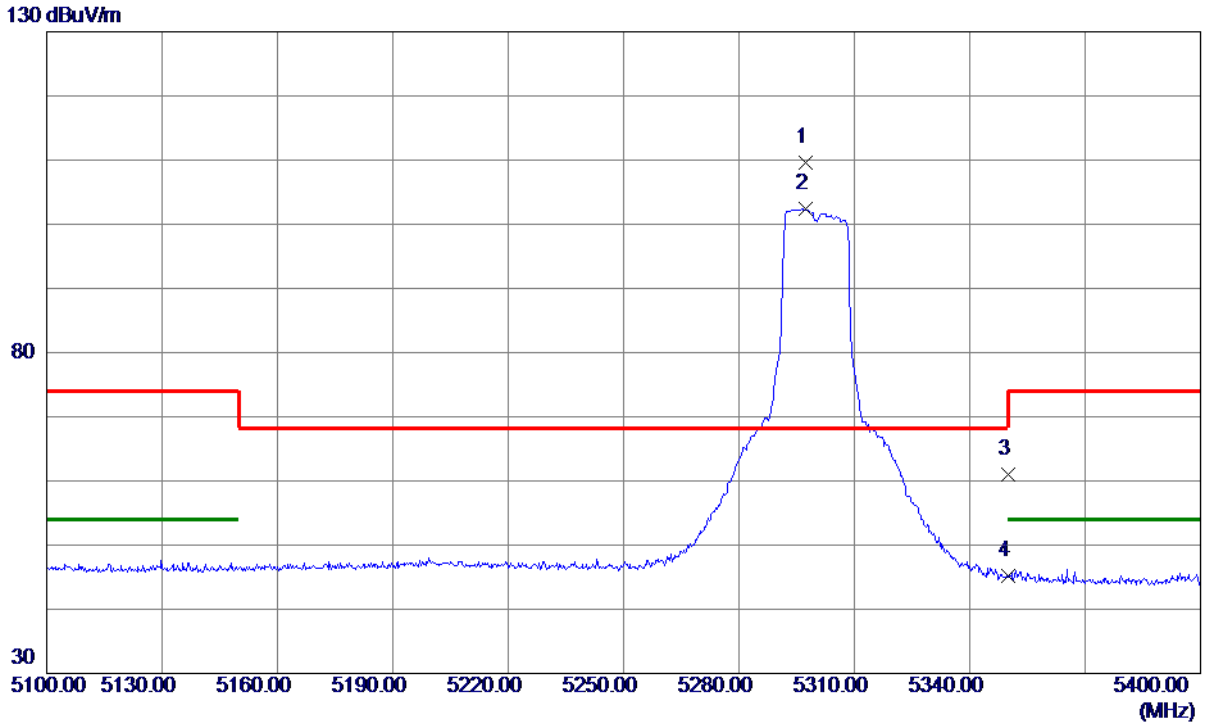


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10599.3500	47.22	1.92	49.14	999.00	-949.86	AVG	
2 *	10603.7500	57.51	1.92	59.43	74.00	-14.57	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5300 MHz

Horizontal

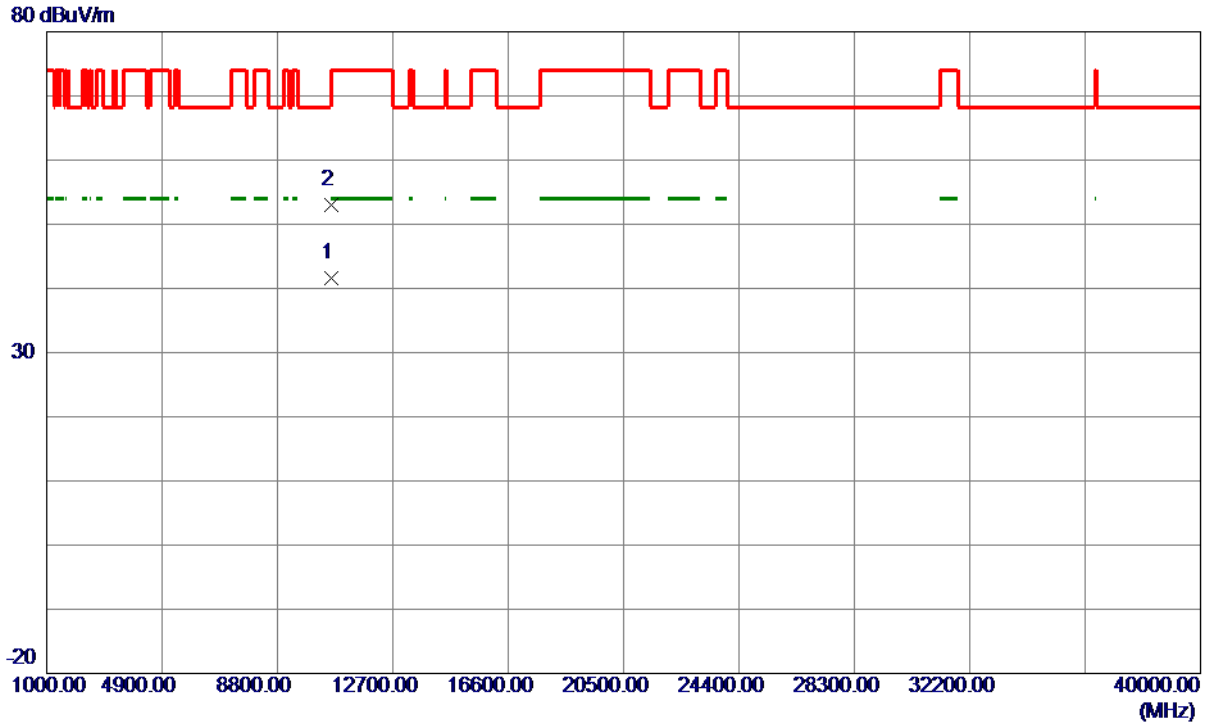


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5297.4000	71.98	37.54	109.52	68.30	41.22	Peak	No limit
2	5297.4000	64.83	37.54	102.37	999.00	-896.63	AVG	No limit
3	5350.0000	23.28	37.74	61.02	74.00	-12.98	Peak	
4	5350.0000	7.52	37.74	45.26	54.00	-8.74	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5300 MHz

Horizontal

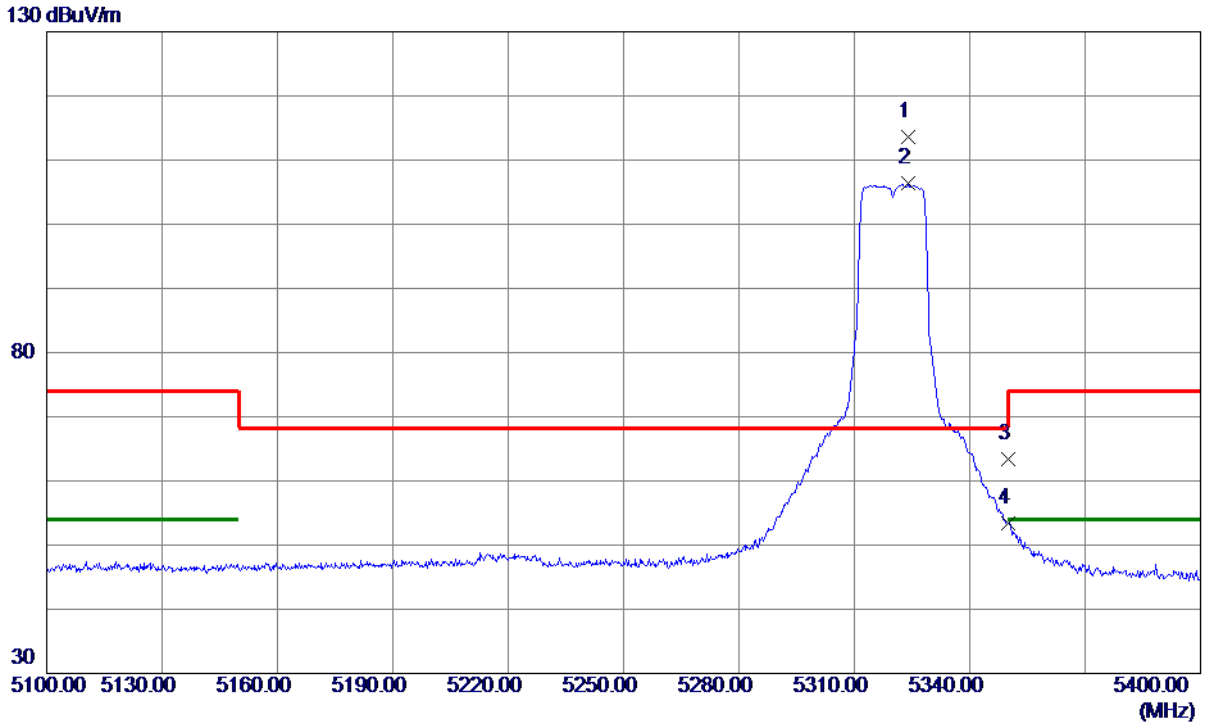


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10599.0800	39.69	1.92	41.61	999.00	-957.39	AVG	
2 *	10602.7500	51.06	1.92	52.98	74.00	-21.02	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5320 MHz

Vertical

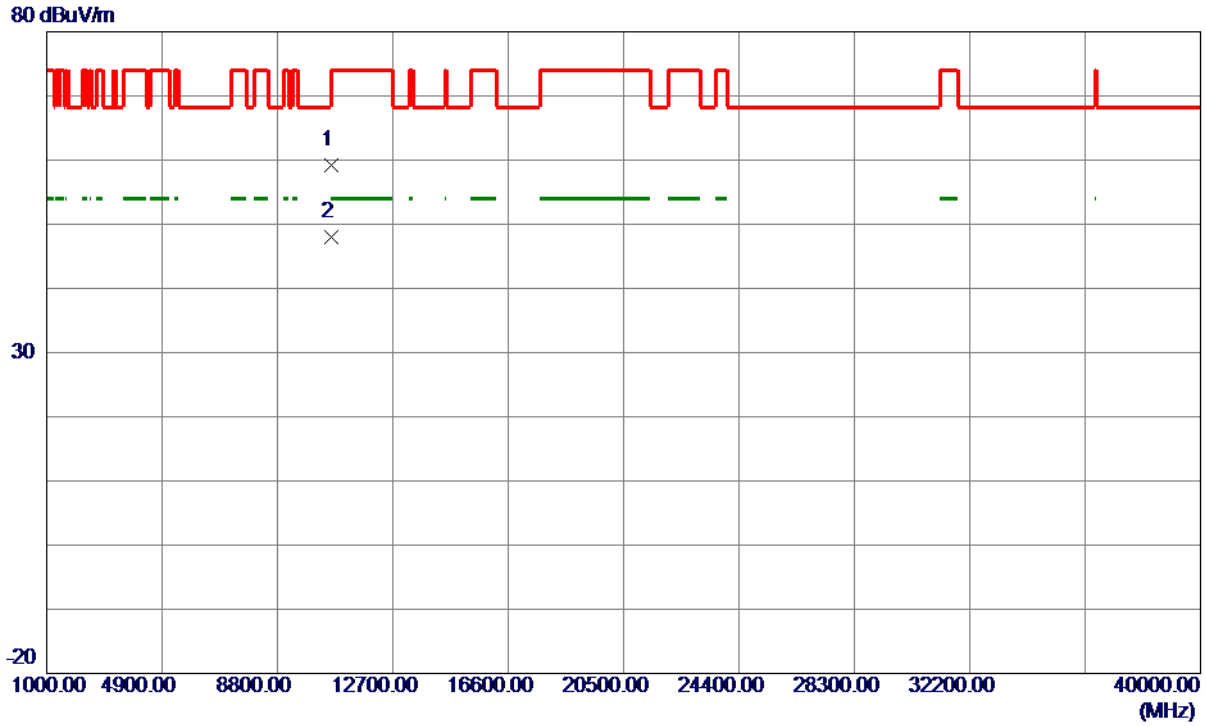


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5324.1000	76.06	37.63	113.69	68.30	45.39	Peak	No limit
2	5324.1000	68.70	37.63	106.33	999.00	-892.67	AVG	No limit
3	5350.0000	25.65	37.74	63.39	74.00	-10.61	Peak	
4	5350.0000	15.74	37.74	53.48	54.00	-0.52	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5320 MHz

Vertical

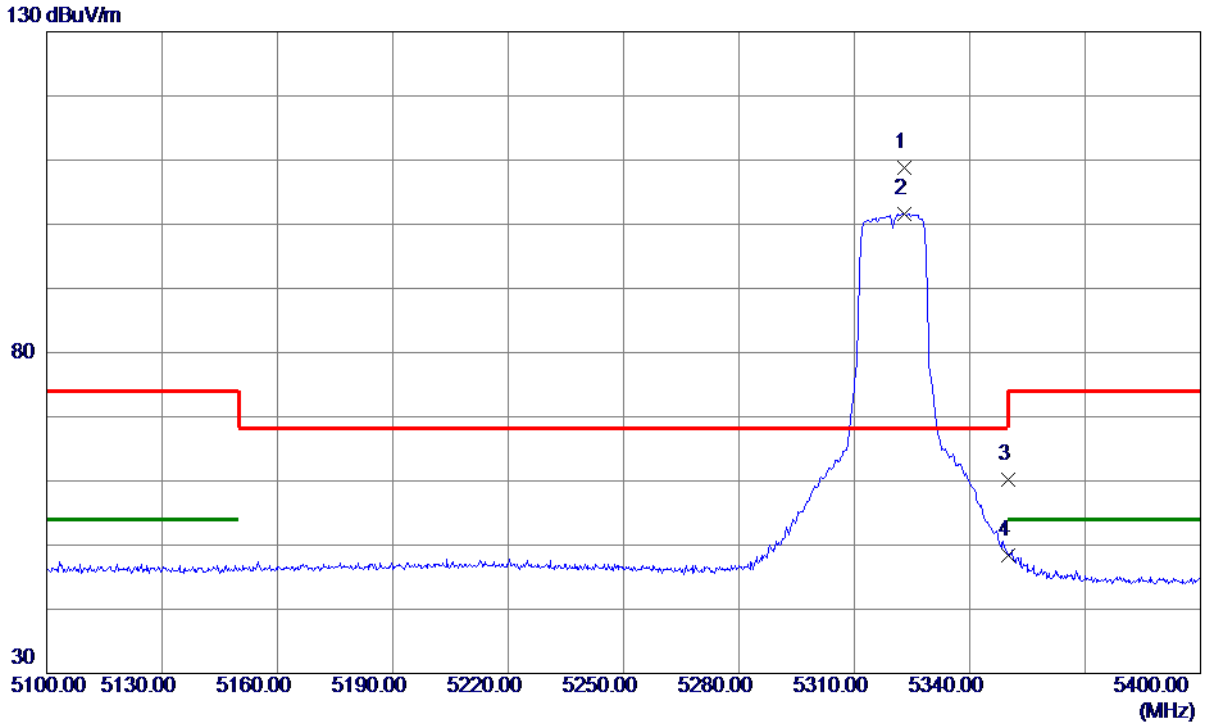


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10640.5300	57.22	1.94	59.16	74.00	-14.84	Peak	
2 *	10640.9700	46.13	1.94	48.07	54.00	-5.93	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5320 MHz

Horizontal

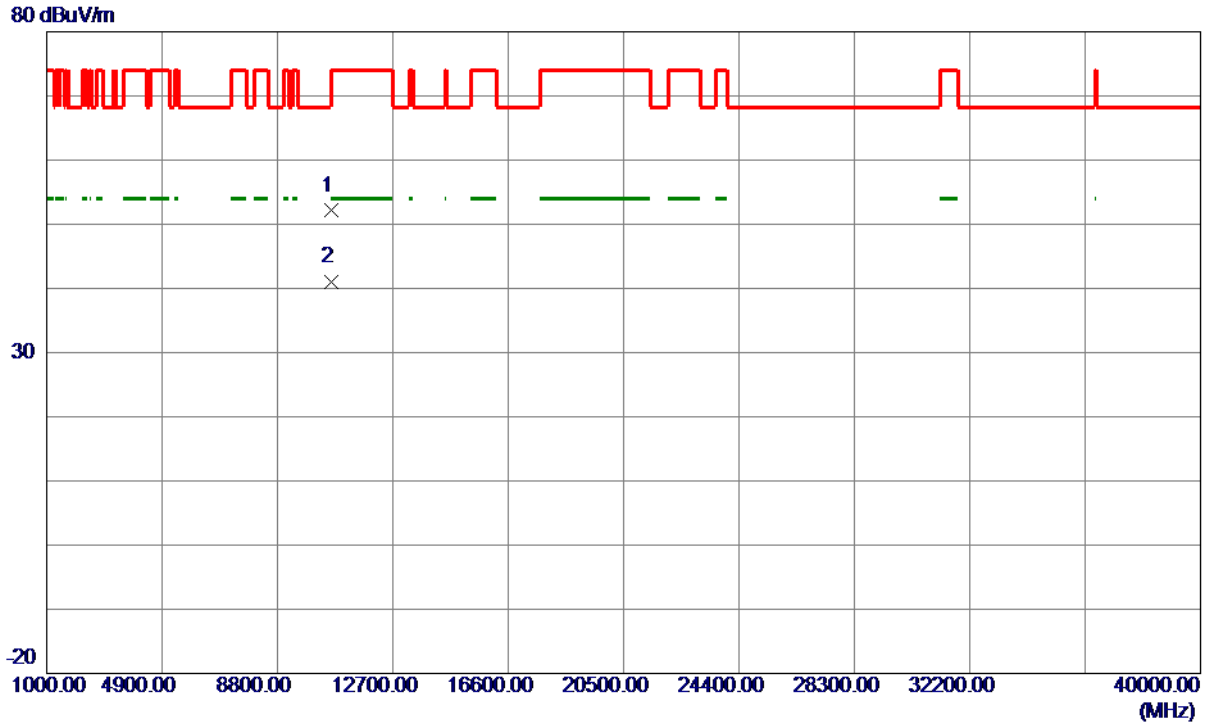


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5322.9000	71.21	37.63	108.84	68.30	40.54	Peak	No limit
2	5322.9000	63.94	37.63	101.57	999.00	-897.43	AVG	No limit
3	5350.0000	22.45	37.74	60.19	74.00	-13.81	Peak	
4	5350.0000	10.72	37.74	48.46	54.00	-5.54	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5320 MHz

Horizontal

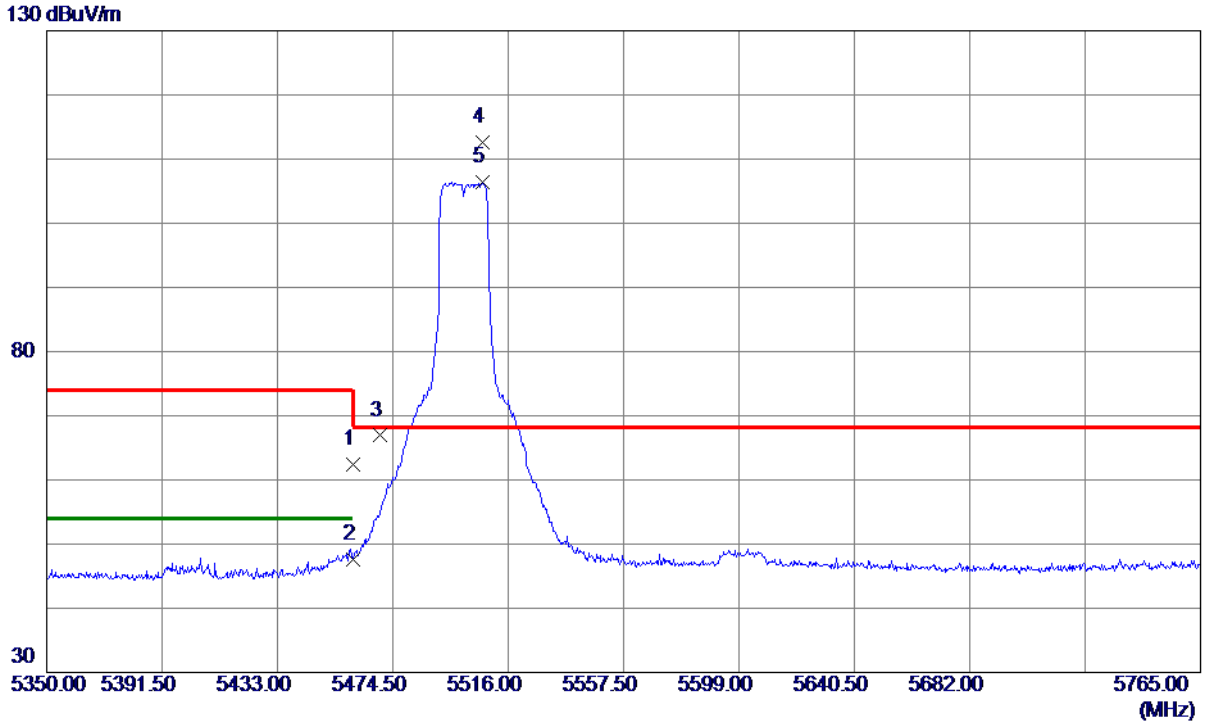


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10637.2600	50.17	1.93	52.10	74.00	-21.90	Peak	
2 *	10638.9500	39.13	1.94	41.07	54.00	-12.93	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5500 MHz

Vertical

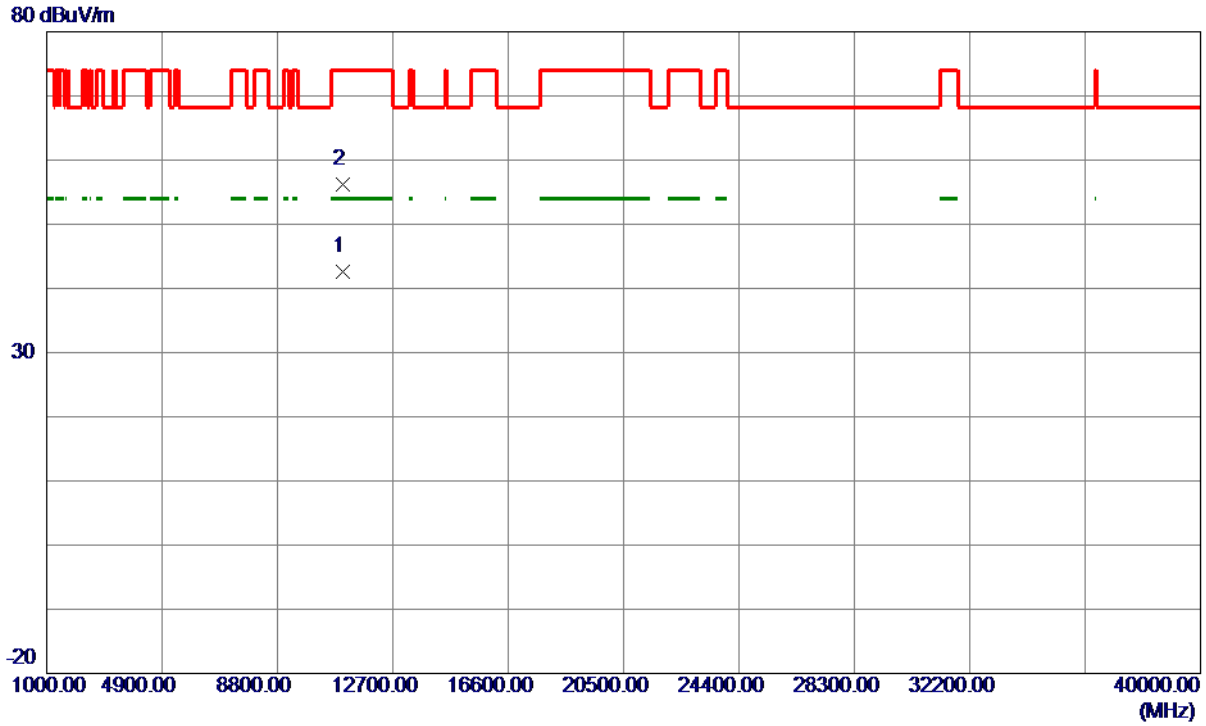


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	24.21	38.12	62.33	74.00	-11.67	Peak	
2	5460.0000	9.56	38.12	47.68	54.00	-6.32	AVG	
3	5470.0000	28.75	38.15	66.90	68.30	-1.40	Peak	
4 *	5506.6629	74.38	38.25	112.63	68.30	44.33	Peak	No limit
5	5506.6629	68.18	38.25	106.43	999.00	-892.57	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5500 MHz

Vertical

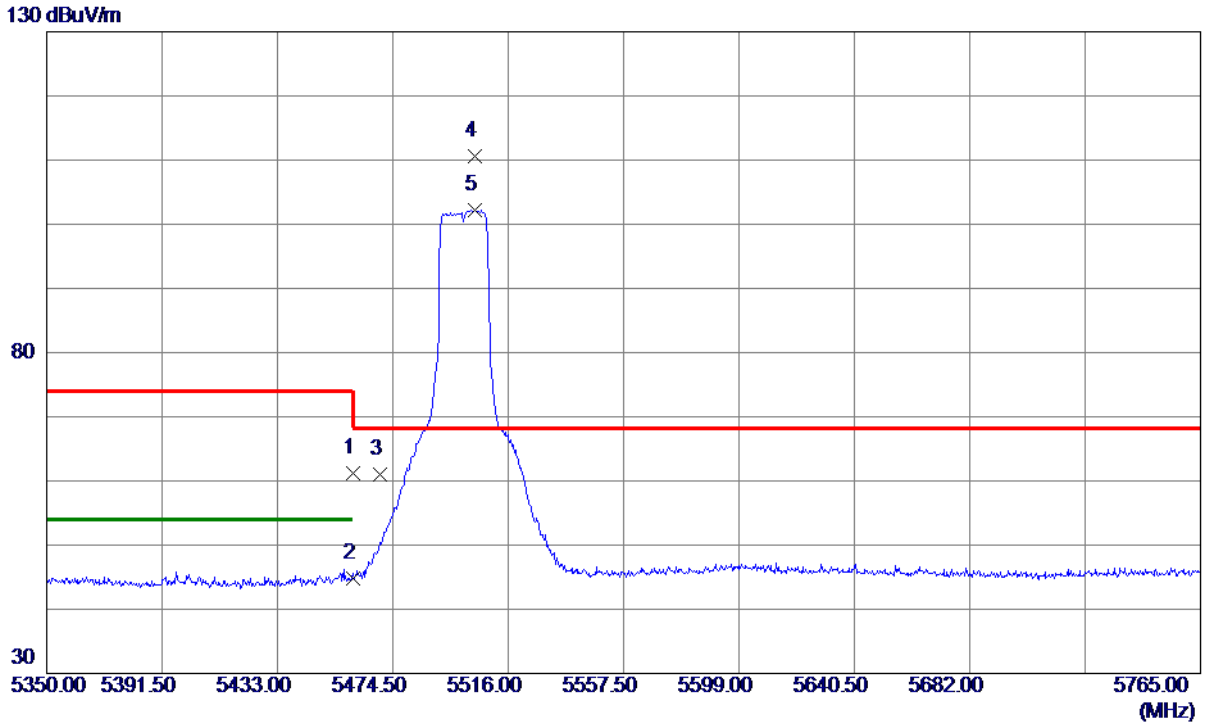


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10996.8000	40.28	2.33	42.61	54.00	-11.39	AVG	
2	11003.4500	53.91	2.33	56.24	74.00	-17.76	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5500 MHz

Horizontal

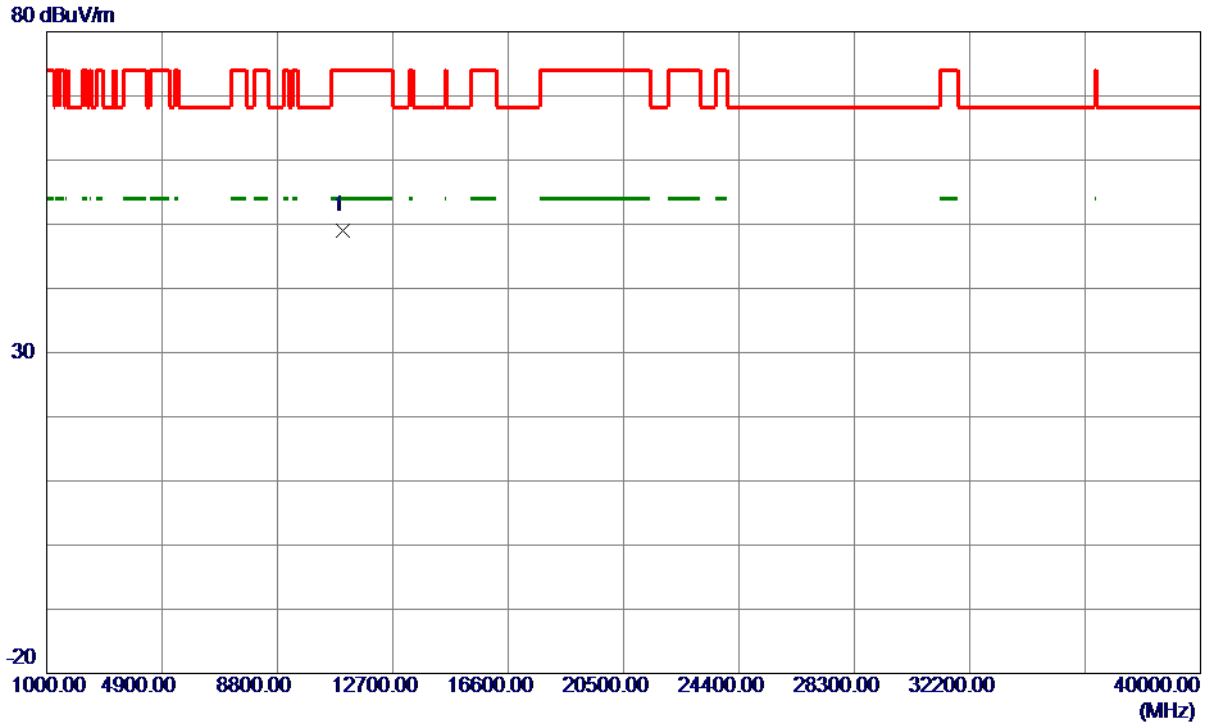


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	23.00	38.12	61.12	74.00	-12.88	Peak	
2	5460.0000	6.68	38.12	44.80	54.00	-9.20	AVG	
3	5470.0000	22.93	38.15	61.08	68.30	-7.22	Peak	
4 *	5503.9650	72.29	38.24	110.53	68.30	42.23	Peak	No limit
5	5503.9650	63.97	38.24	102.21	999.00	-896.79	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5500 MHz

Horizontal

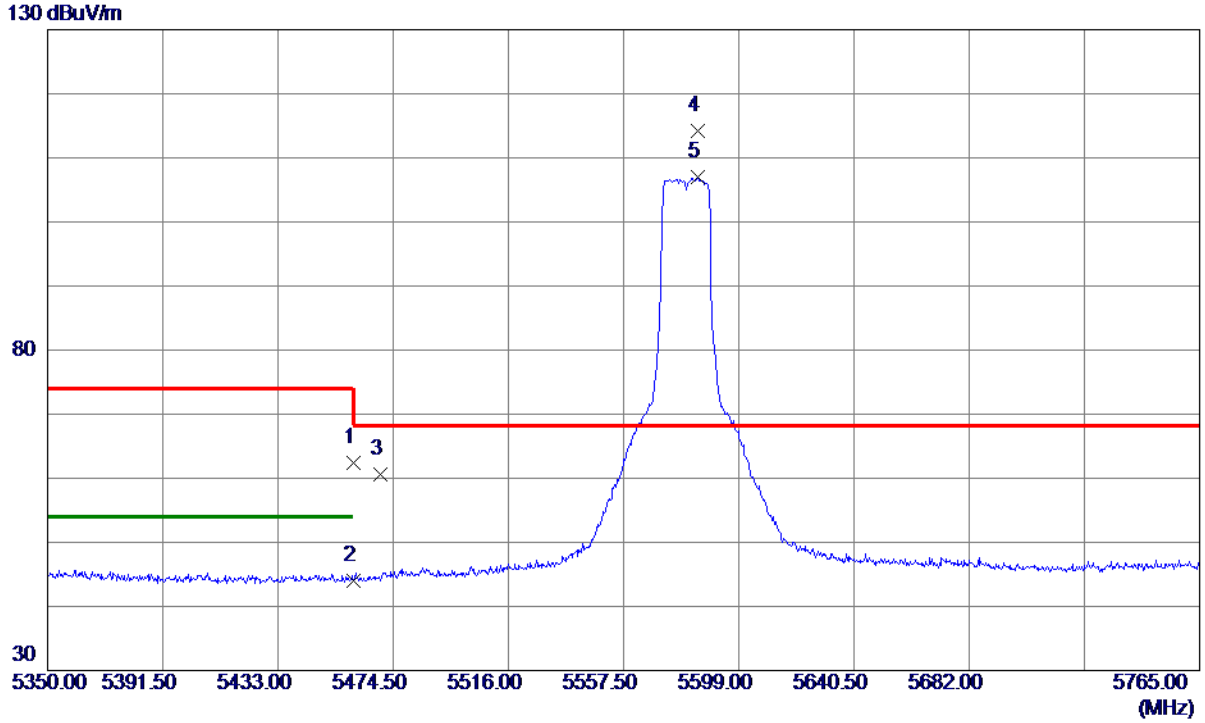


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11002.1500	46.71	2.34	49.05	74.00	-24.95	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5580 MHz

Vertical

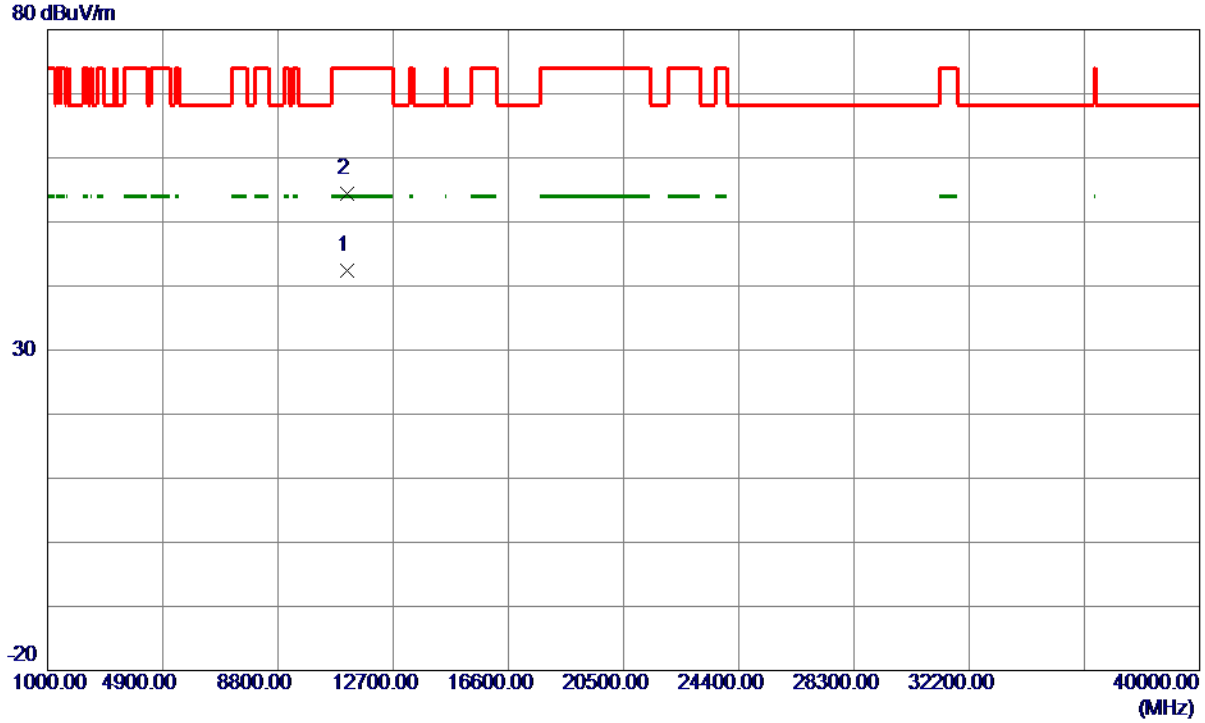


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	24.27	38.12	62.39	74.00	-11.61	Peak	
2	5460.0000	5.81	38.12	43.93	54.00	-10.07	AVG	
3	5470.0000	22.52	38.15	60.67	68.30	-7.63	Peak	
4 *	5584.0600	75.79	38.32	114.11	68.30	45.81	Peak	No limit
5	5584.0600	68.62	38.32	106.94	999.00	-892.06	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5580 MHz

Vertical

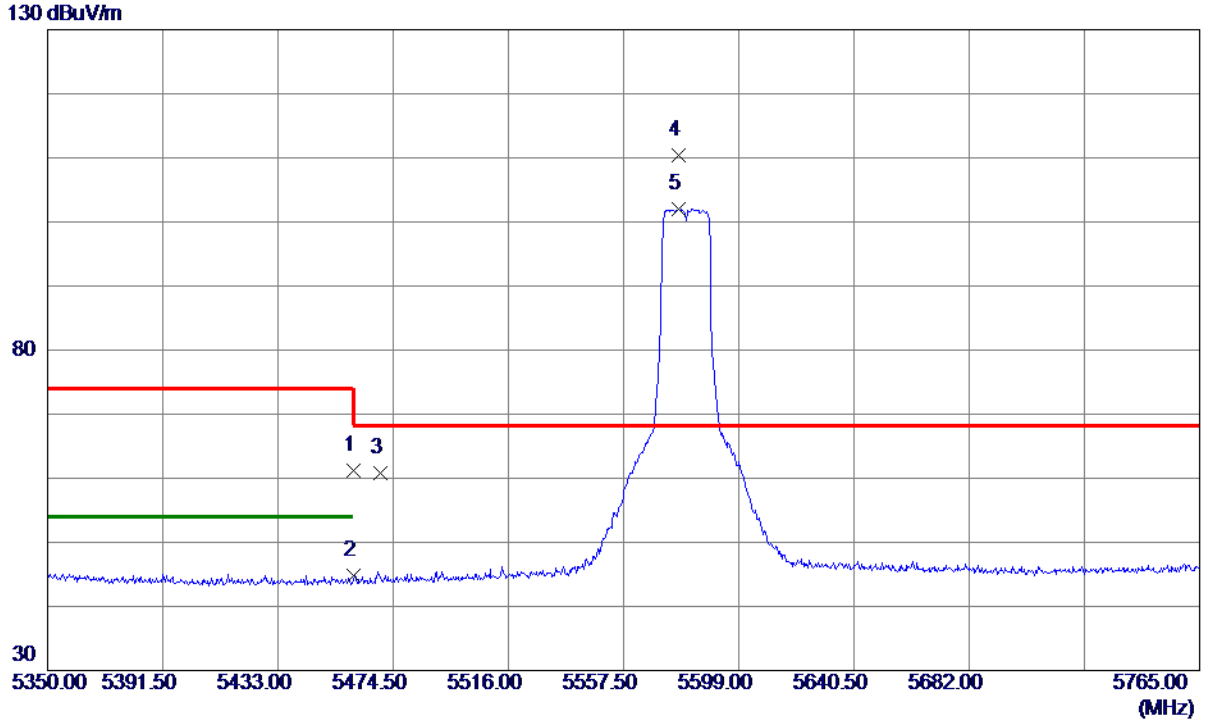


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11160.2100	40.30	2.04	42.34	54.00	-11.66	AVG	
2	11160.3800	52.30	2.04	54.34	74.00	-19.66	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5580 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	23.10	38.12	61.22	74.00	-12.78	Peak	
2	5460.0000	6.66	38.12	44.78	54.00	-9.22	AVG	
3	5470.0000	22.69	38.15	60.84	68.30	-7.46	Peak	
4 *	5577.2120	72.11	38.32	110.43	68.30	42.13	Peak	No limit
5	5577.2120	63.74	38.32	102.06	999.00	-896.94	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5580 MHz

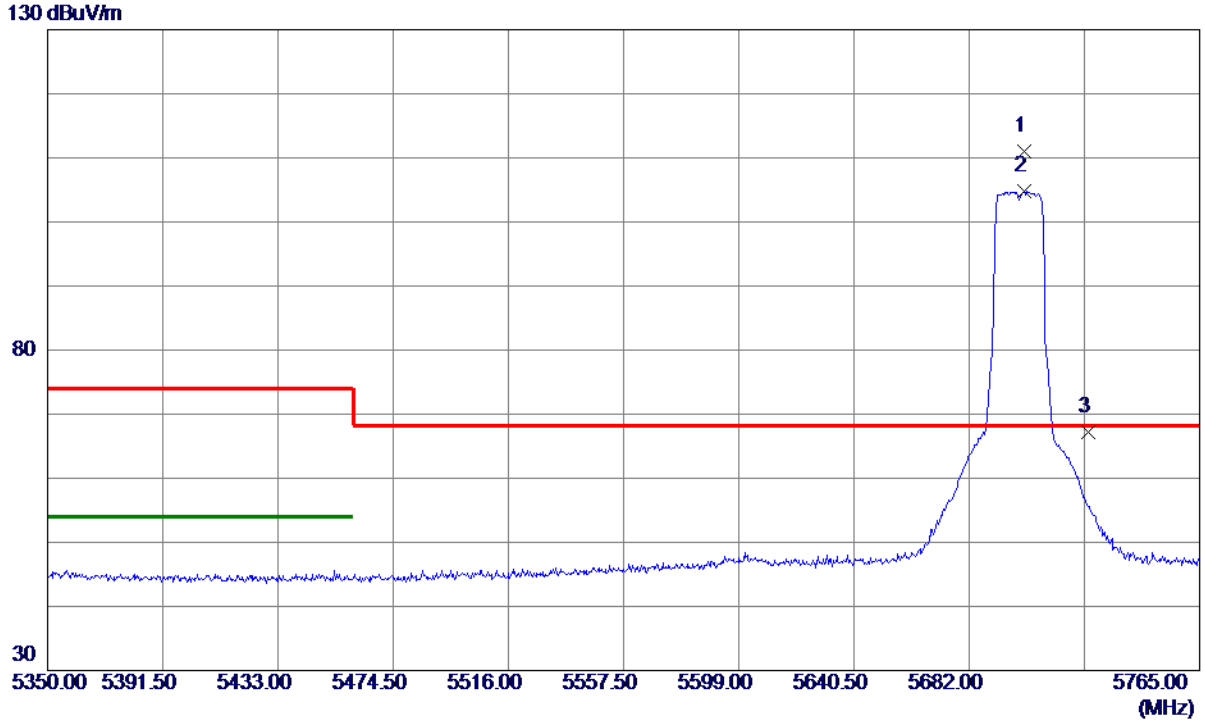
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11153.1500	47.54	2.05	49.59	74.00	-24.41	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5700 MHz

Vertical

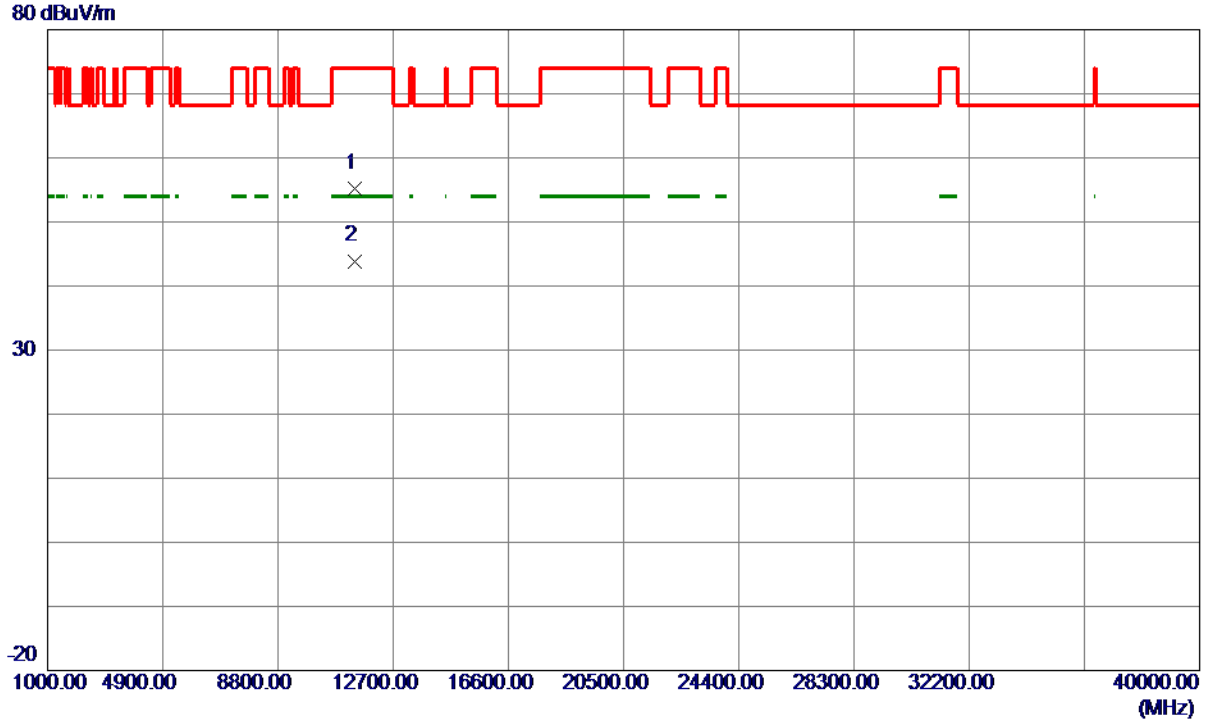


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5701.7120	72.52	38.41	110.93	68.30	42.63	Peak	No limit
2	5701.7120	66.40	38.41	104.81	999.00	-894.19	AVG	No limit
3	5725.0000	28.75	38.50	67.25	68.30	-1.05	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5700 MHz

Vertical

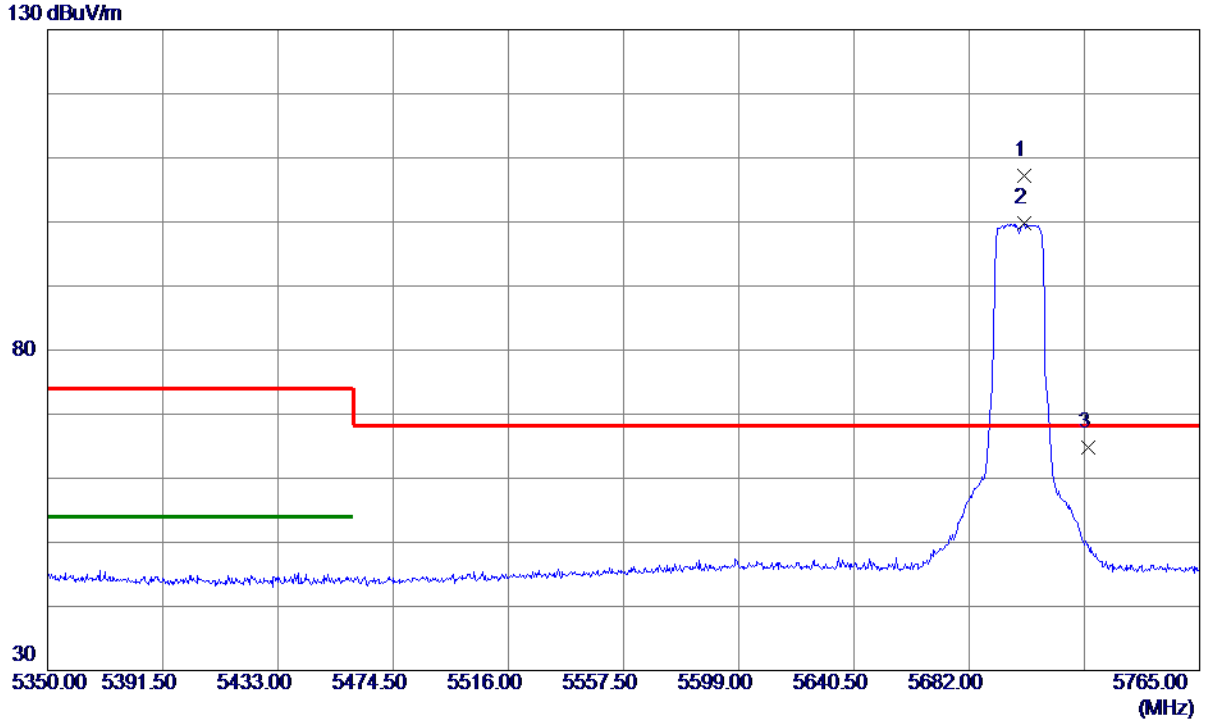


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11393.0500	53.16	2.12	55.28	74.00	-18.72	Peak	
2 *	11402.5199	41.77	2.13	43.90	54.00	-10.10	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5700 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5701.7120	68.78	38.41	107.19	68.30	38.89	Peak	No limit
2	5701.7120	61.30	38.41	99.71	999.00	-899.29	AVG	No limit
3	5725.0000	26.27	38.50	64.77	68.30	-3.53	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5700 MHz

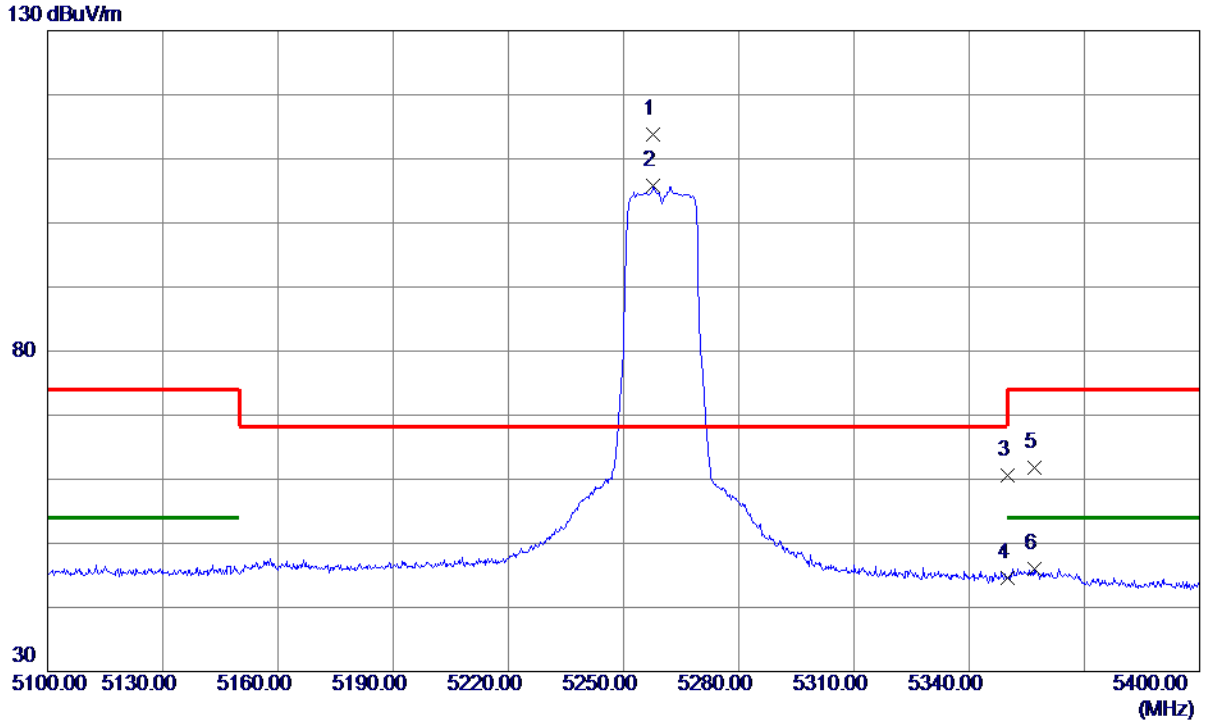
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11400.0500	47.98	2.13	50.11	74.00	-23.89	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5260 MHz

Vertical

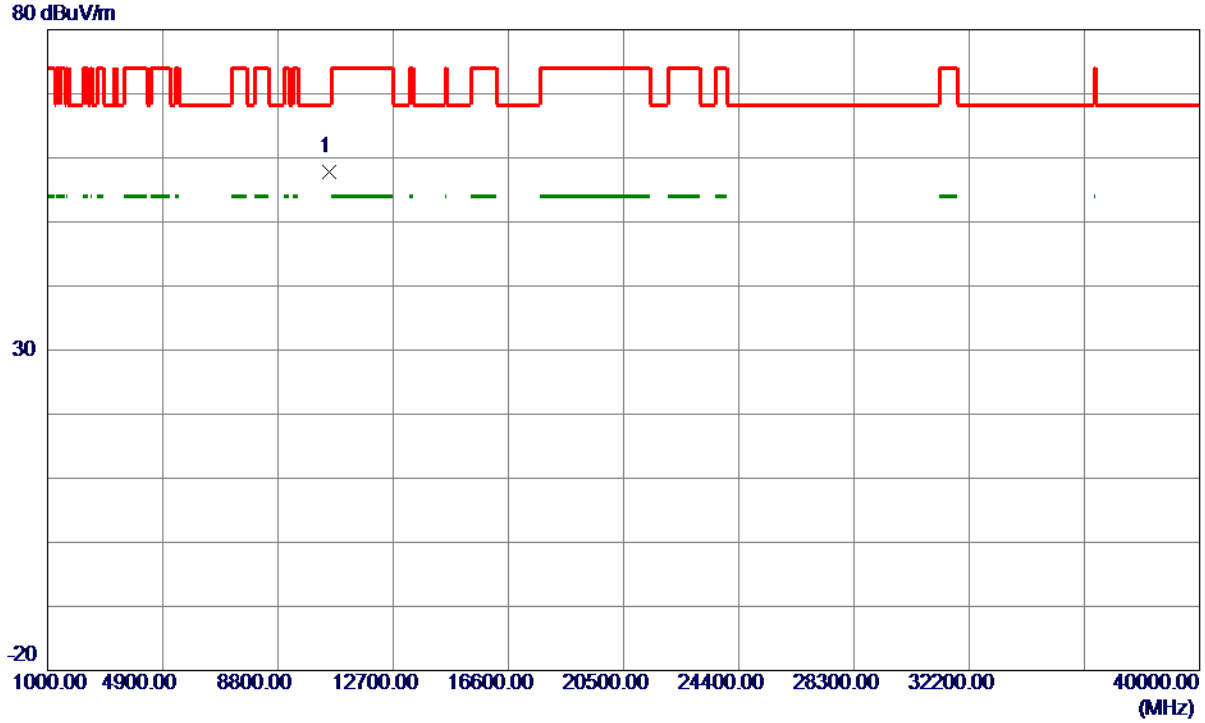


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5257.8000	76.11	37.60	113.71	68.30	45.41	Peak	No limit
2	5257.8000	68.24	37.60	105.84	999.00	-893.16	AVG	No limit
3	5350.0000	22.89	37.74	60.63	74.00	-13.37	Peak	
4	5350.0000	6.86	37.74	44.60	54.00	-9.40	AVG	
5	5356.9500	23.95	37.77	61.72	74.00	-12.28	Peak	
6	5356.9500	8.29	37.77	46.06	54.00	-7.94	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5260 MHz

Vertical

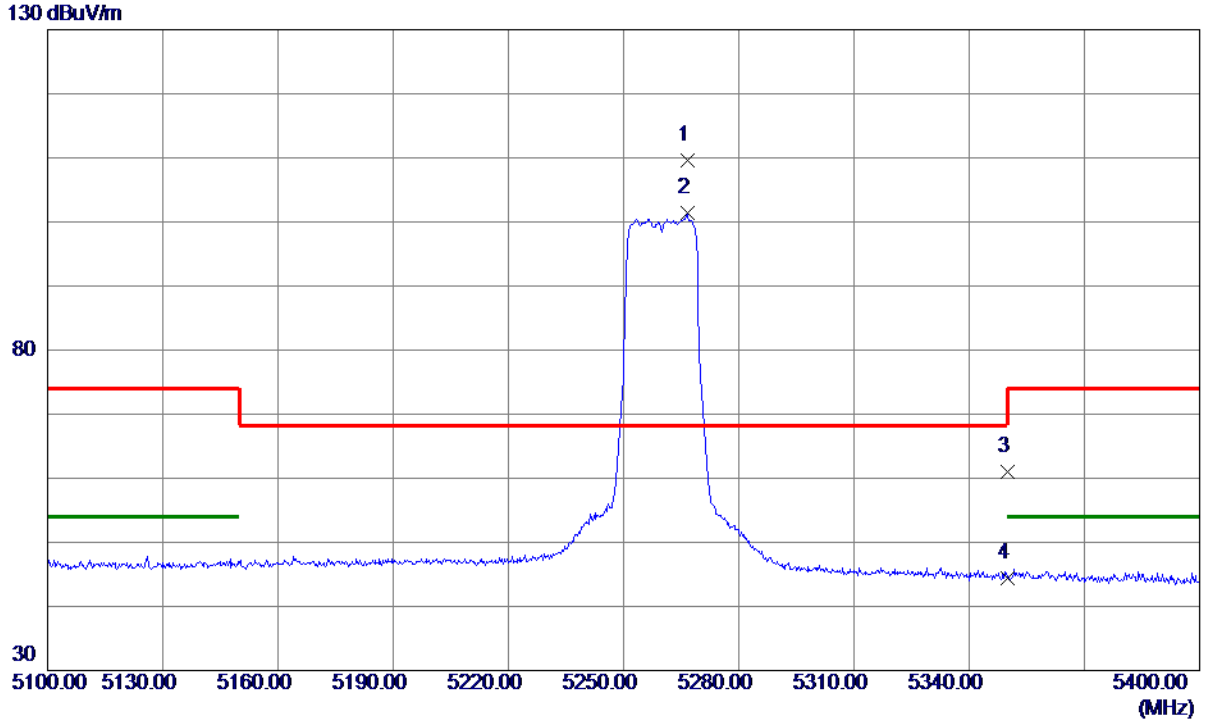


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10522.4700	55.93	1.84	57.77	68.30	-10.53	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5260 MHz

Horizontal

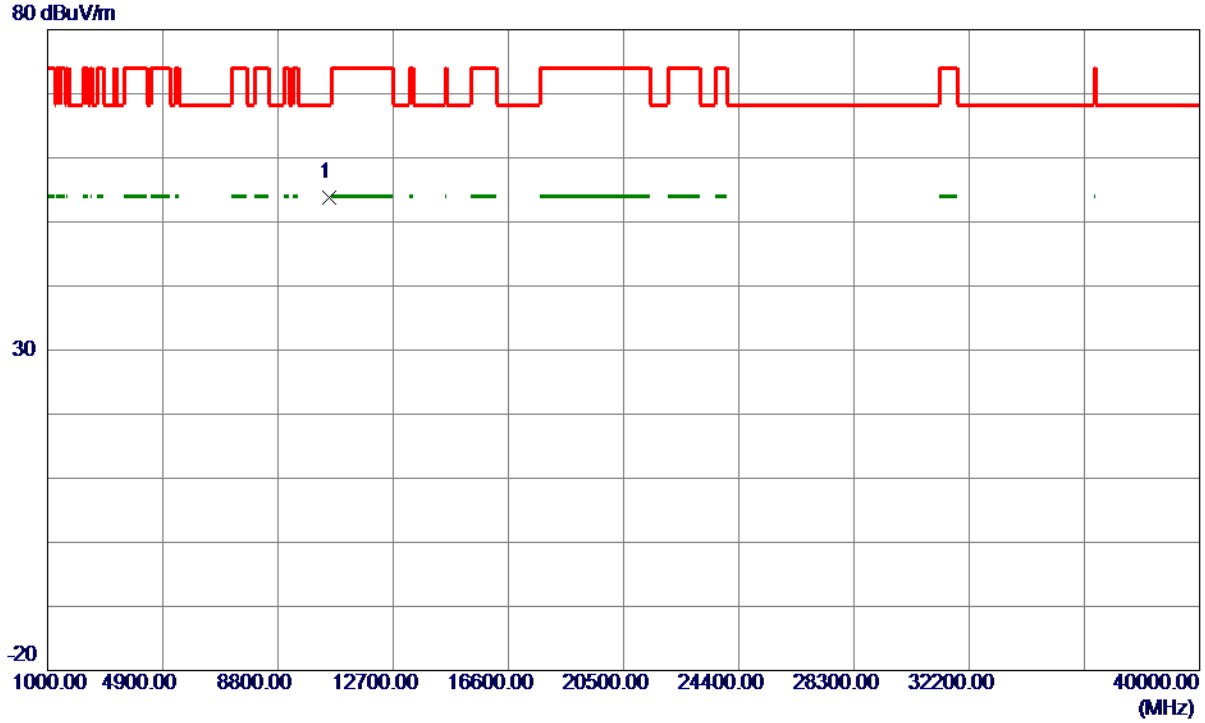


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5266.6500	71.97	37.58	109.55	68.30	41.25	Peak	No limit
2	5266.6500	63.76	37.58	101.34	999.00	-897.66	AVG	No limit
3	5350.0000	23.24	37.74	60.98	74.00	-13.02	Peak	
4	5350.0000	6.68	37.74	44.42	54.00	-9.58	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5260 MHz

Horizontal

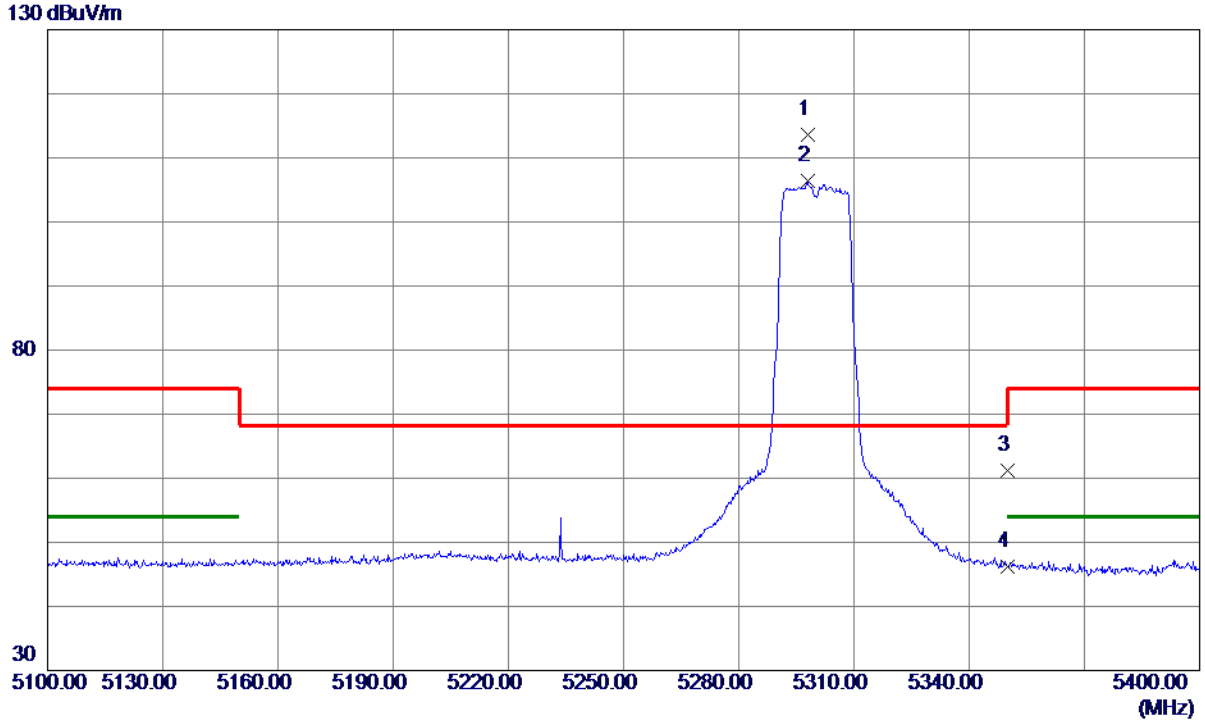


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10521.1980	51.90	1.84	53.74	68.30	-14.56	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5300 MHz

Vertical

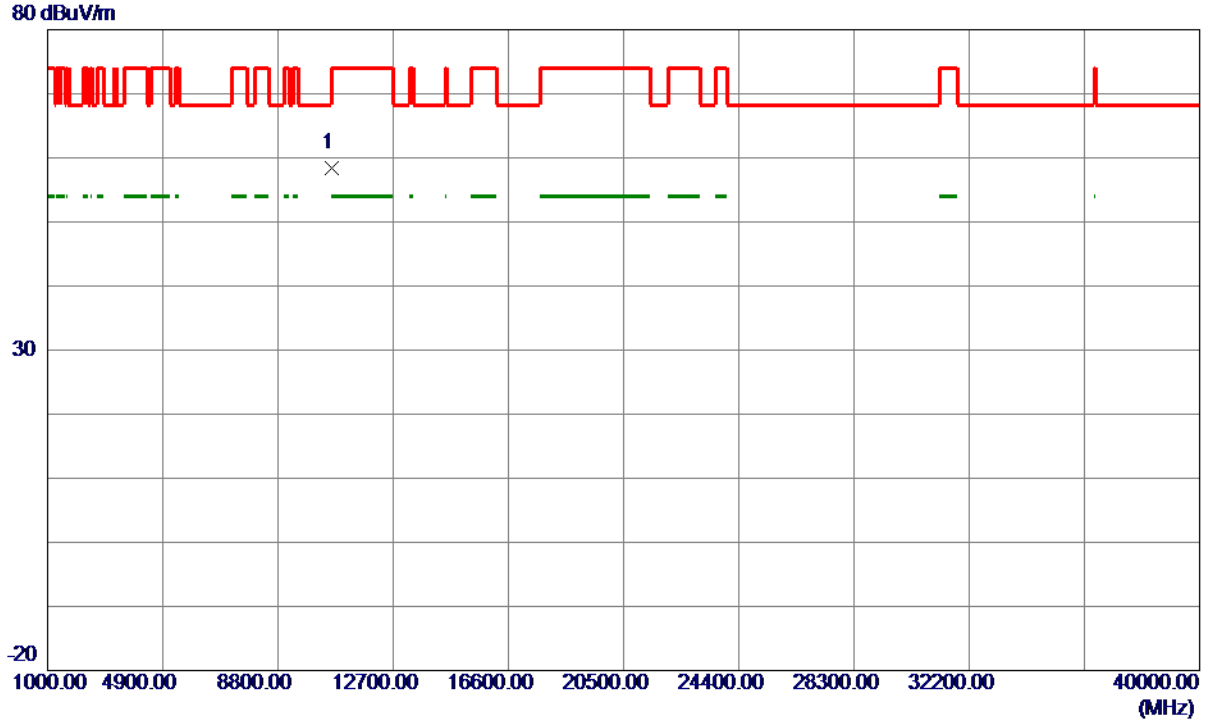


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5297.8500	76.00	37.54	113.54	68.30	45.24	Peak	No limit
2	5297.8500	68.87	37.54	106.41	999.00	-892.59	AVG	No limit
3	5350.0000	23.48	37.74	61.22	74.00	-12.78	Peak	
4	5350.0000	8.38	37.74	46.12	54.00	-7.88	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5300 MHz

Vertical

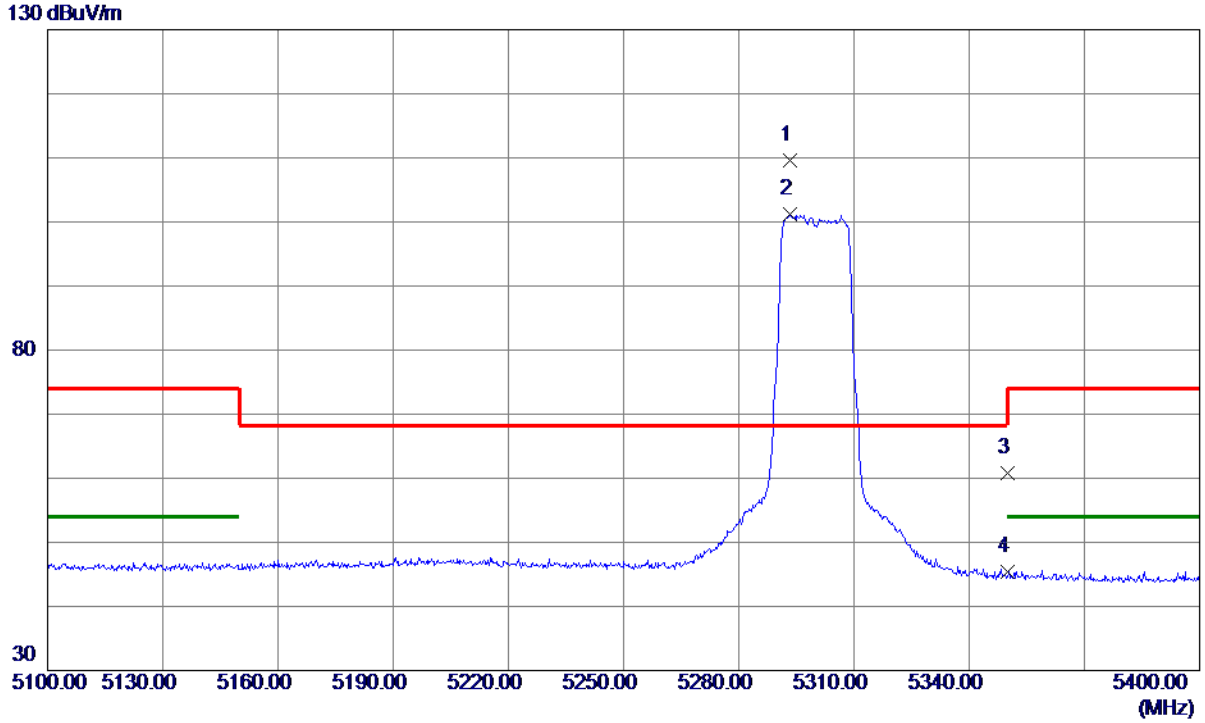


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10599.8600	56.41	1.92	58.33	68.30	-9.97	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5300 MHz

Horizontal

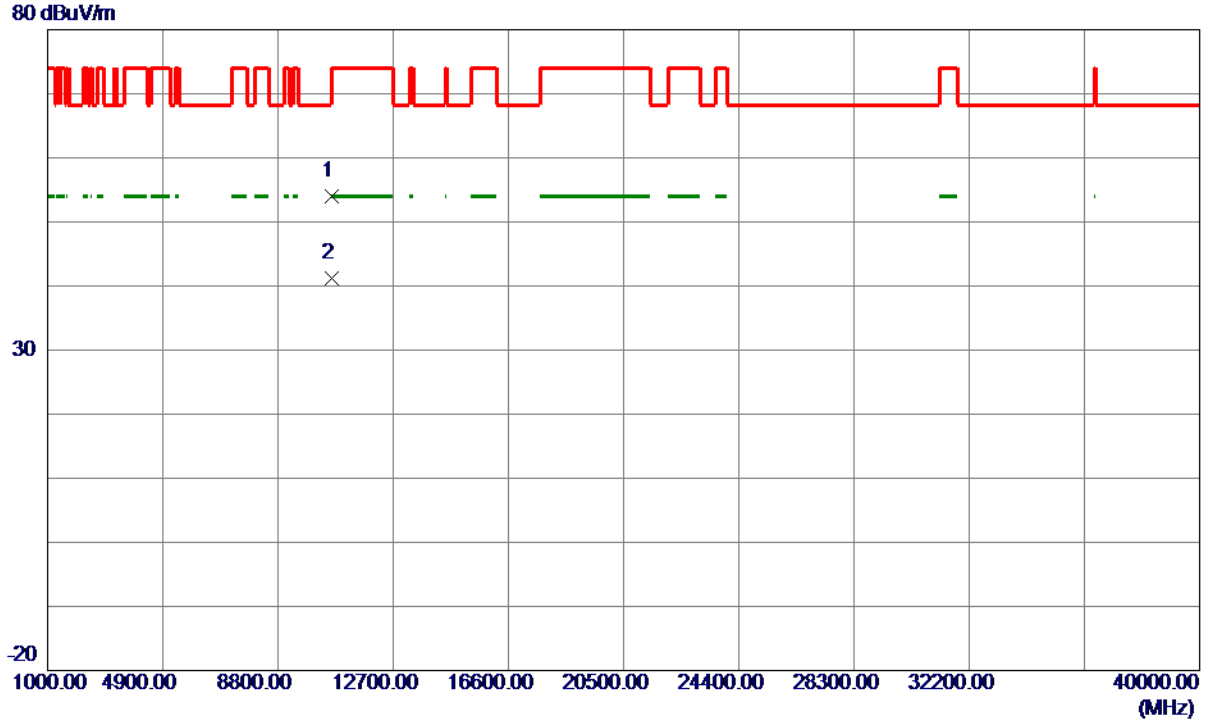


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5293.3500	72.06	37.54	109.60	68.30	41.30	Peak	No limit
2	5293.3500	63.73	37.54	101.27	999.00	-897.73	AVG	No limit
3	5350.0000	23.07	37.74	60.81	74.00	-13.19	Peak	
4	5350.0000	7.60	37.74	45.34	54.00	-8.66	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5300 MHz

Horizontal

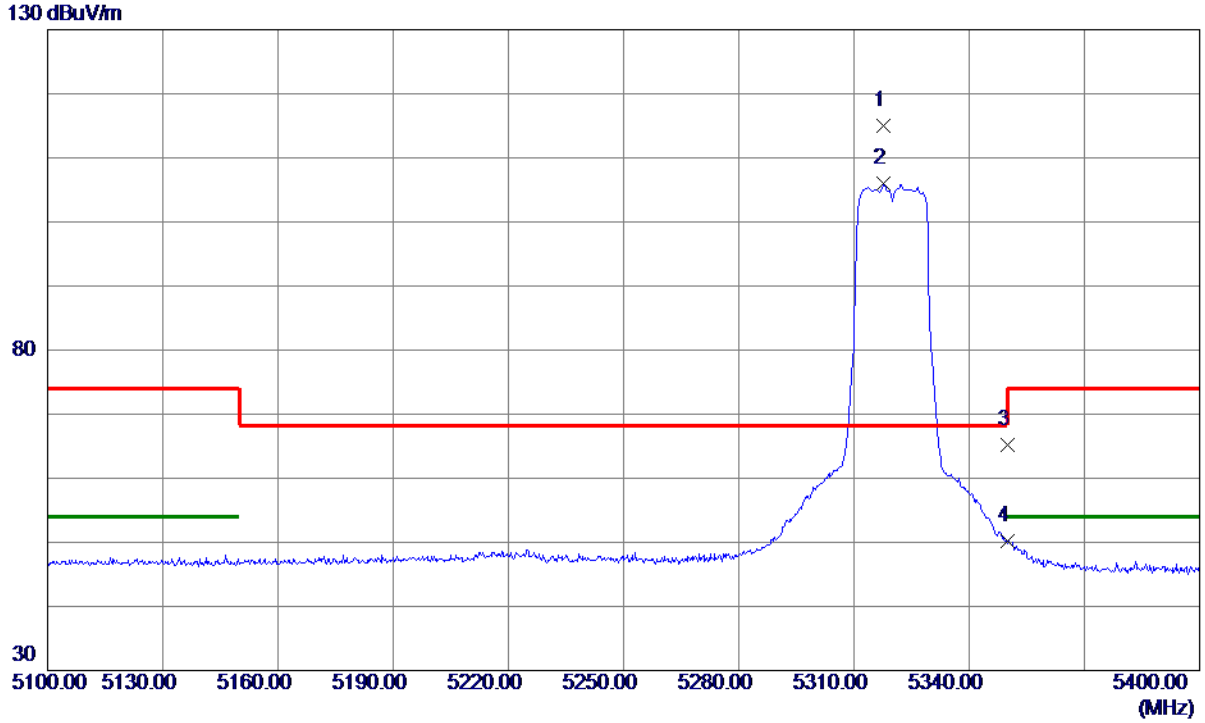


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10600.0300	51.99	1.92	53.91	74.00	-20.09	Peak	
2 *	10601.1400	39.20	1.92	41.12	54.00	-12.88	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5320 MHz

Vertical

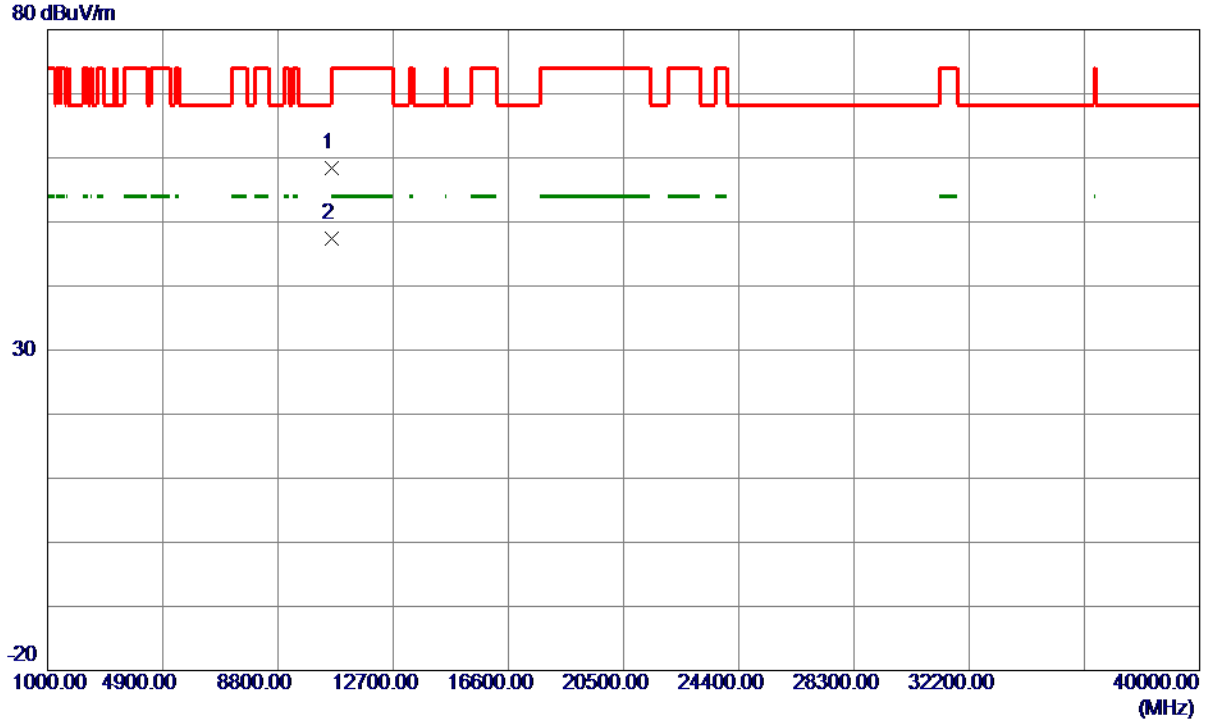


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5317.8000	77.31	37.61	114.92	68.30	46.62	Peak	No limit
2	5317.8000	68.41	37.61	106.02	999.00	-892.98	AVG	No limit
3	5350.0000	27.50	37.74	65.24	74.00	-8.76	Peak	
4	5350.0000	12.45	37.74	50.19	54.00	-3.81	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5320 MHz

Vertical

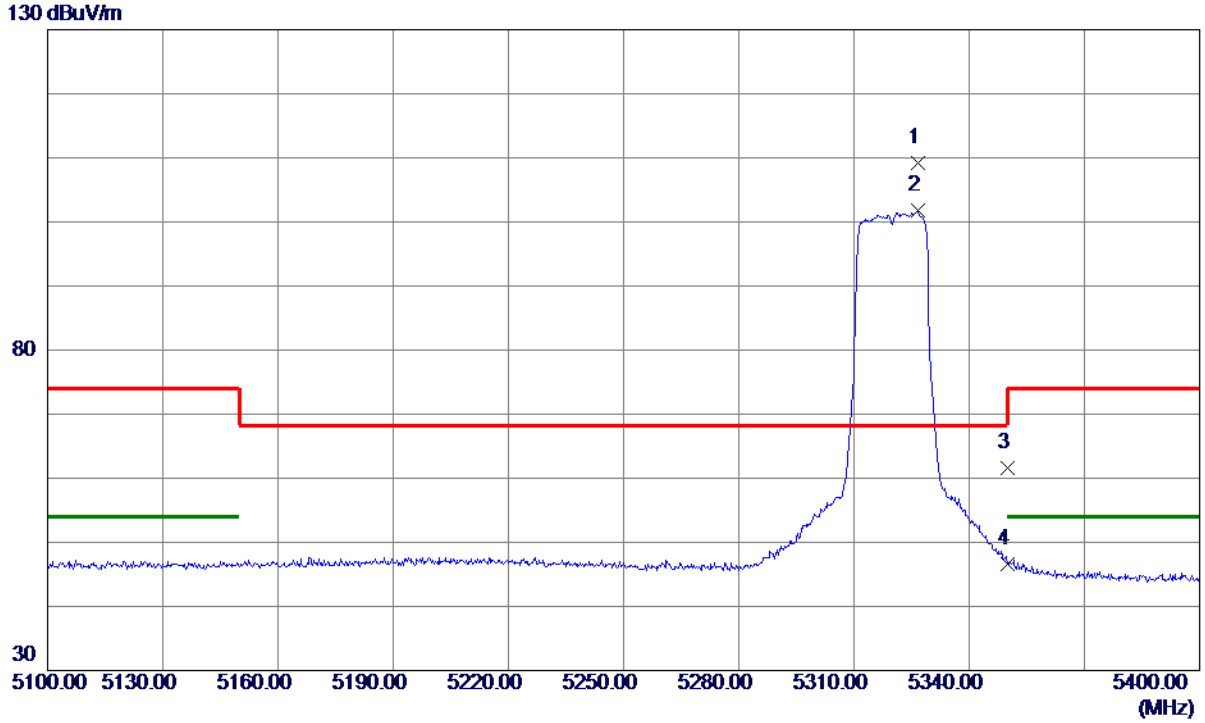


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10636.5000	56.44	1.93	58.37	74.00	-15.63	Peak	
2 *	10640.9200	45.46	1.94	47.40	54.00	-6.60	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5320 MHz

Horizontal

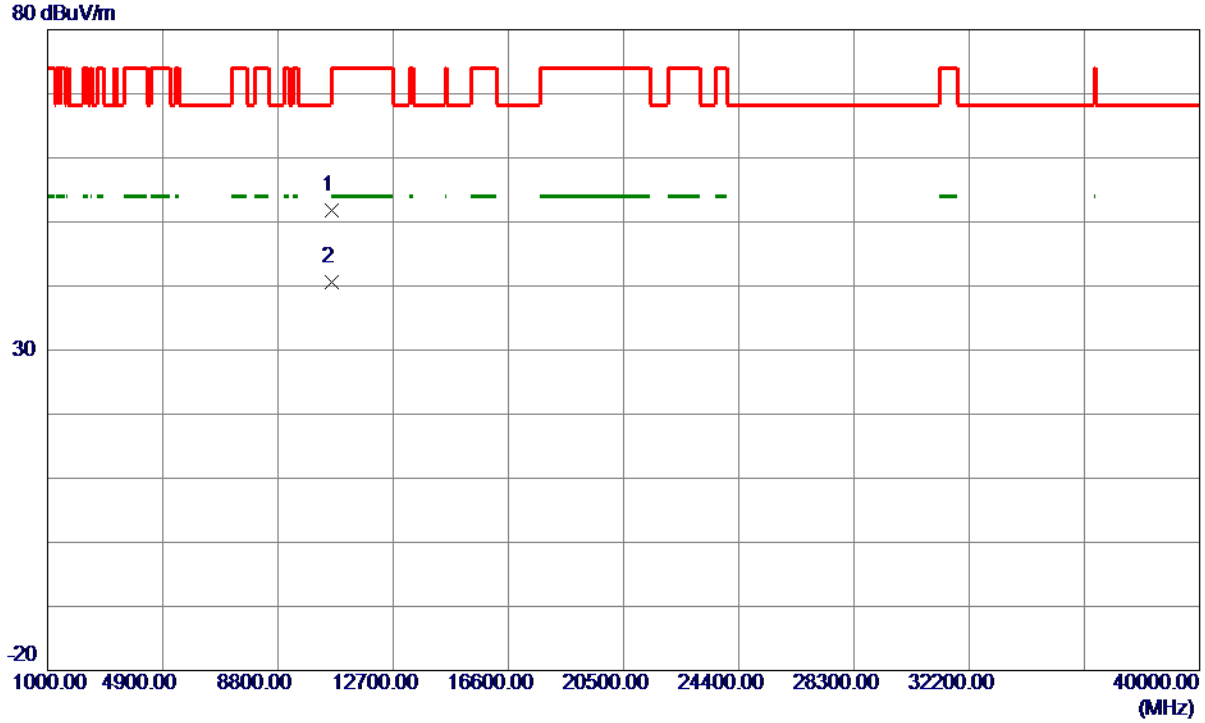


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5326.6500	71.60	37.64	109.24	68.30	40.94	Peak	No limit
2	5326.6500	64.25	37.64	101.89	999.00	-897.11	AVG	No limit
3	5350.0000	23.91	37.74	61.65	74.00	-12.35	Peak	
4	5350.0000	8.86	37.74	46.60	54.00	-7.40	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT20) Mode 5320 MHz

Horizontal

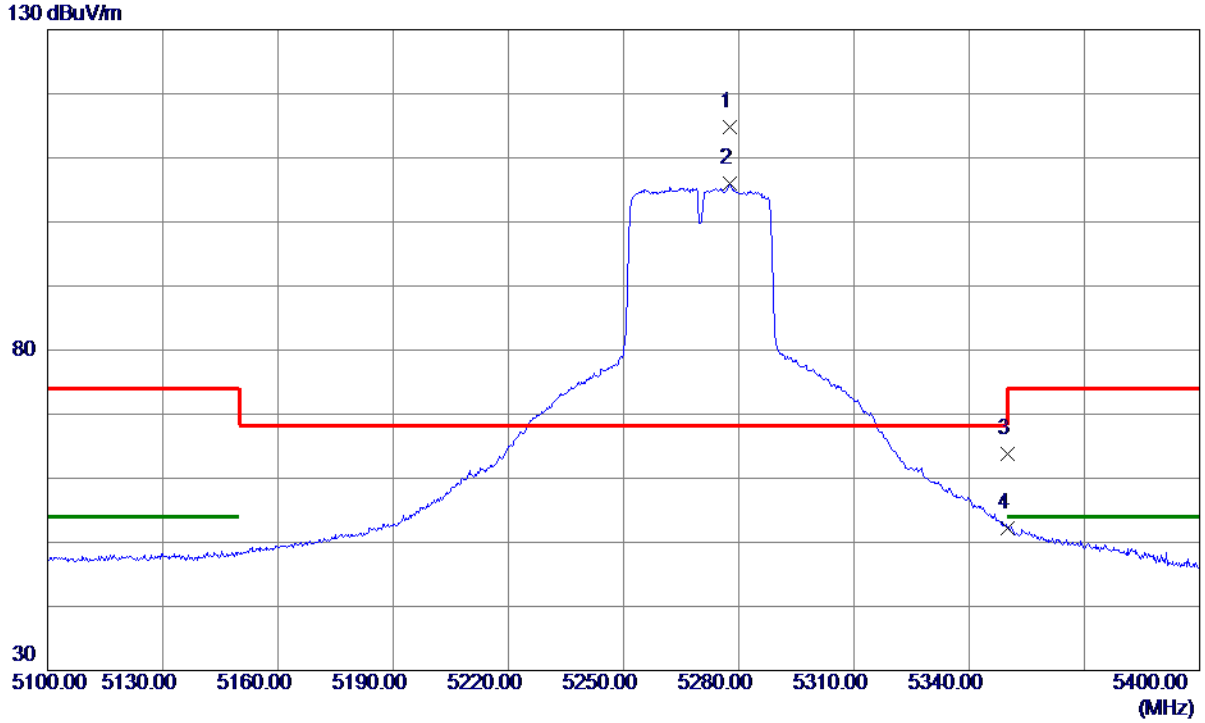


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10636.7500	49.90	1.93	51.83	74.00	-22.17	Peak	
2 *	10640.7200	38.74	1.94	40.68	54.00	-13.32	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT40) Mode 5270 MHz

Vertical

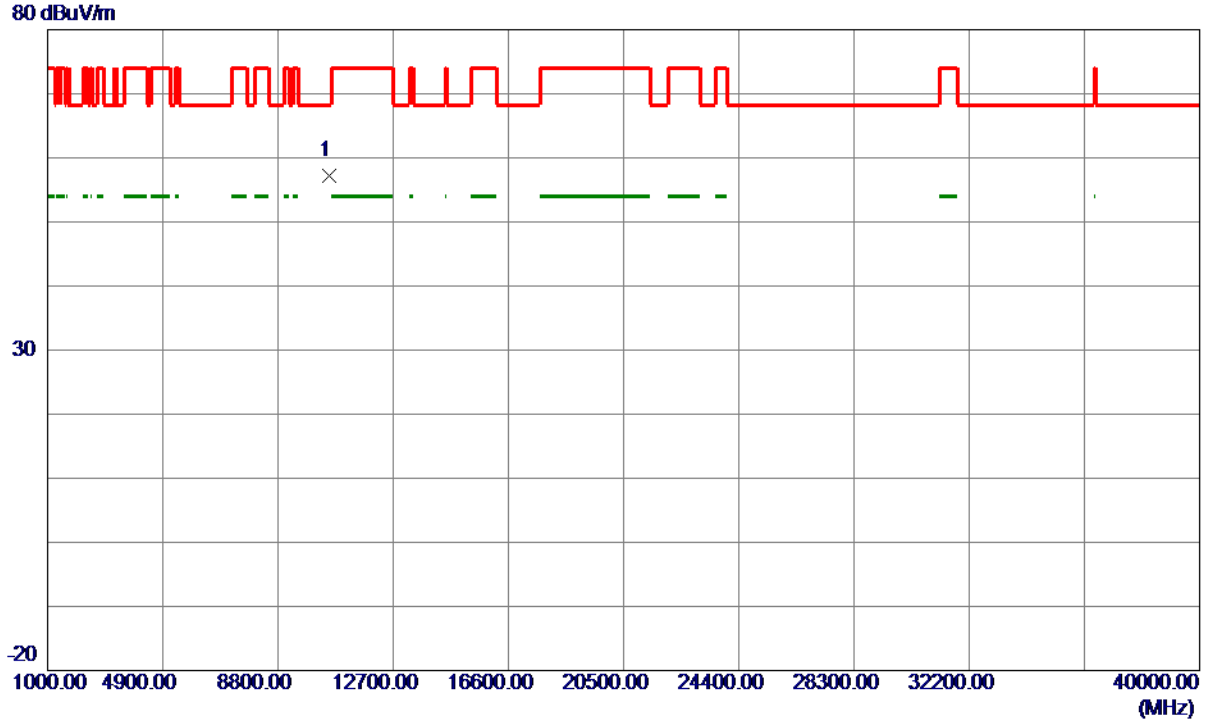


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5277.7500	77.15	37.57	114.72	68.30	46.42	Peak	No limit
2	5277.7500	68.35	37.57	105.92	999.00	-893.08	AVG	No limit
3	5350.0000	25.99	37.74	63.73	74.00	-10.27	Peak	
4	5350.0000	14.37	37.74	52.11	54.00	-1.89	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT40) Mode 5270 MHz

Vertical

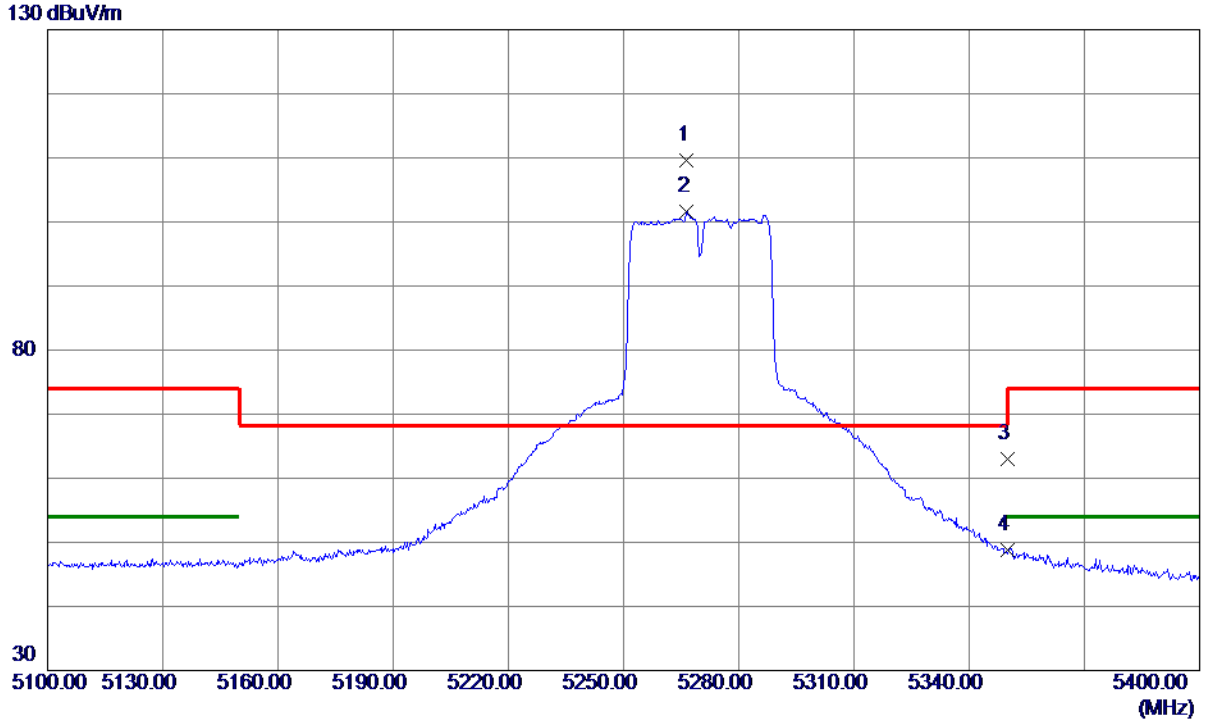


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10541.1200	55.27	1.86	57.13	68.30	-11.17	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT40) Mode 5270 MHz

Horizontal

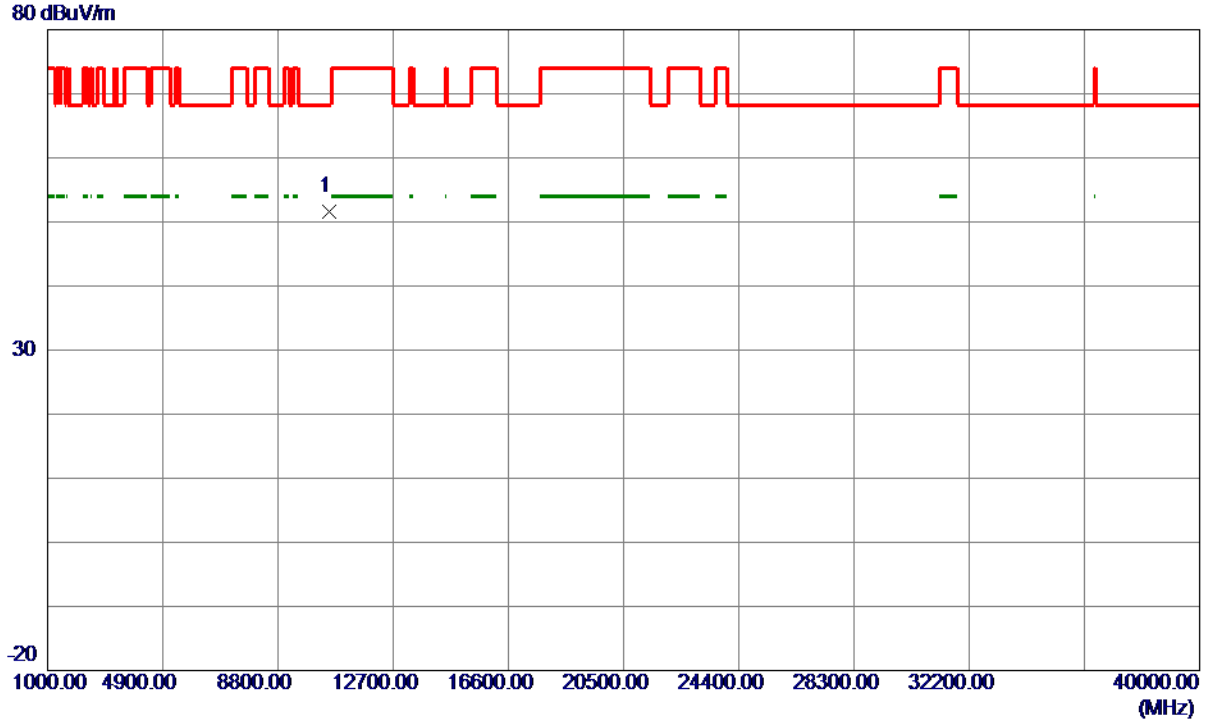


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5266.5000	72.10	37.58	109.68	68.30	41.38	Peak	No limit
2	5266.5000	64.01	37.58	101.59	999.00	-897.41	AVG	No limit
3	5350.0000	25.23	37.74	62.97	74.00	-11.03	Peak	
4	5350.0000	11.14	37.74	48.88	54.00	-5.12	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT40) Mode 5270 MHz

Horizontal

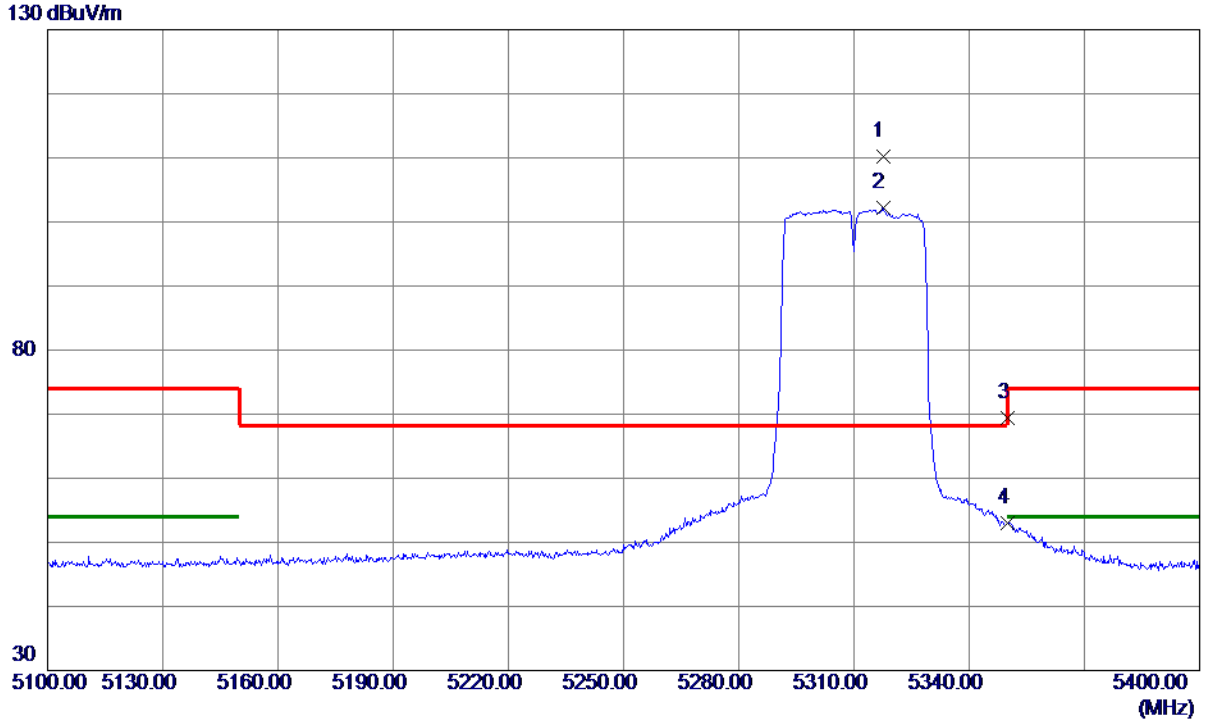


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10531.0800	49.82	1.85	51.67	68.30	-16.63	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT40) Mode 5310 MHz

Vertical

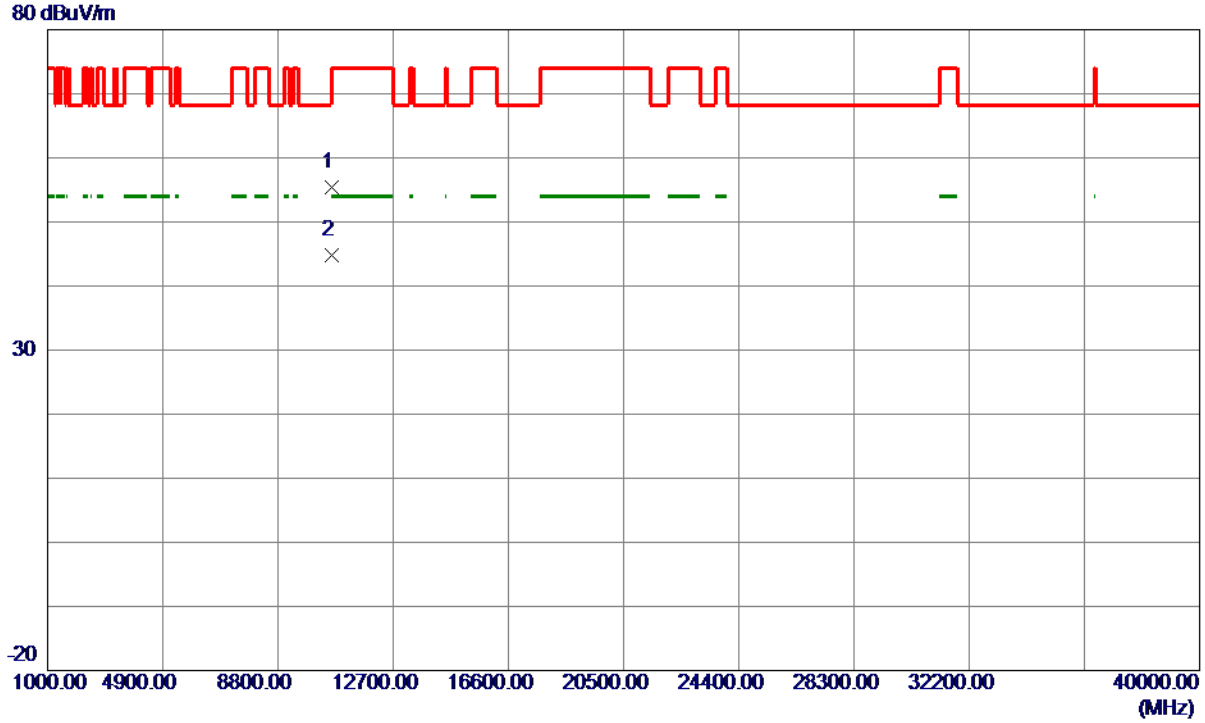


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5317.5000	72.55	37.61	110.16	68.30	41.86	Peak	No limit
2	5317.5000	64.54	37.61	102.15	999.00	-896.85	AVG	No limit
3	5350.0000	31.73	37.74	69.47	74.00	-4.53	Peak	
4	5350.0000	15.33	37.74	53.07	54.00	-0.93	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT40) Mode 5310 MHz

Vertical

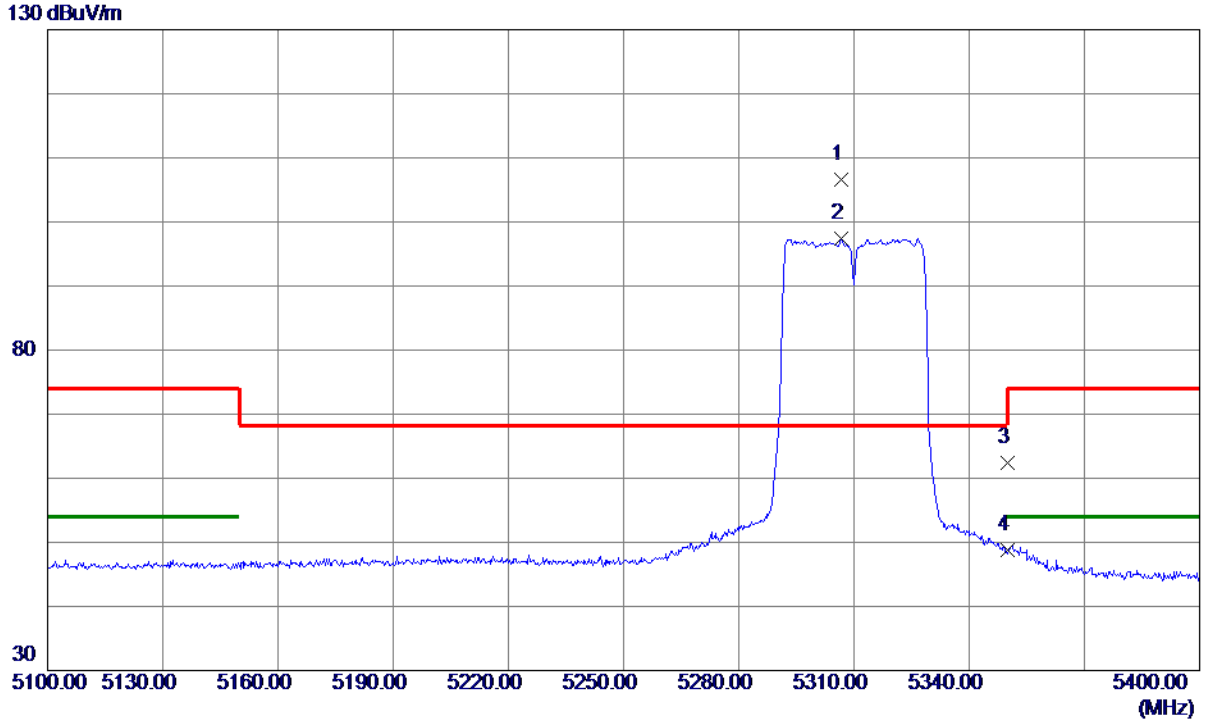


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10616.6600	53.52	1.93	55.45	74.00	-18.55	Peak	
2 *	10620.6600	42.87	1.93	44.80	54.00	-9.20	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT40) Mode 5310 MHz

Horizontal

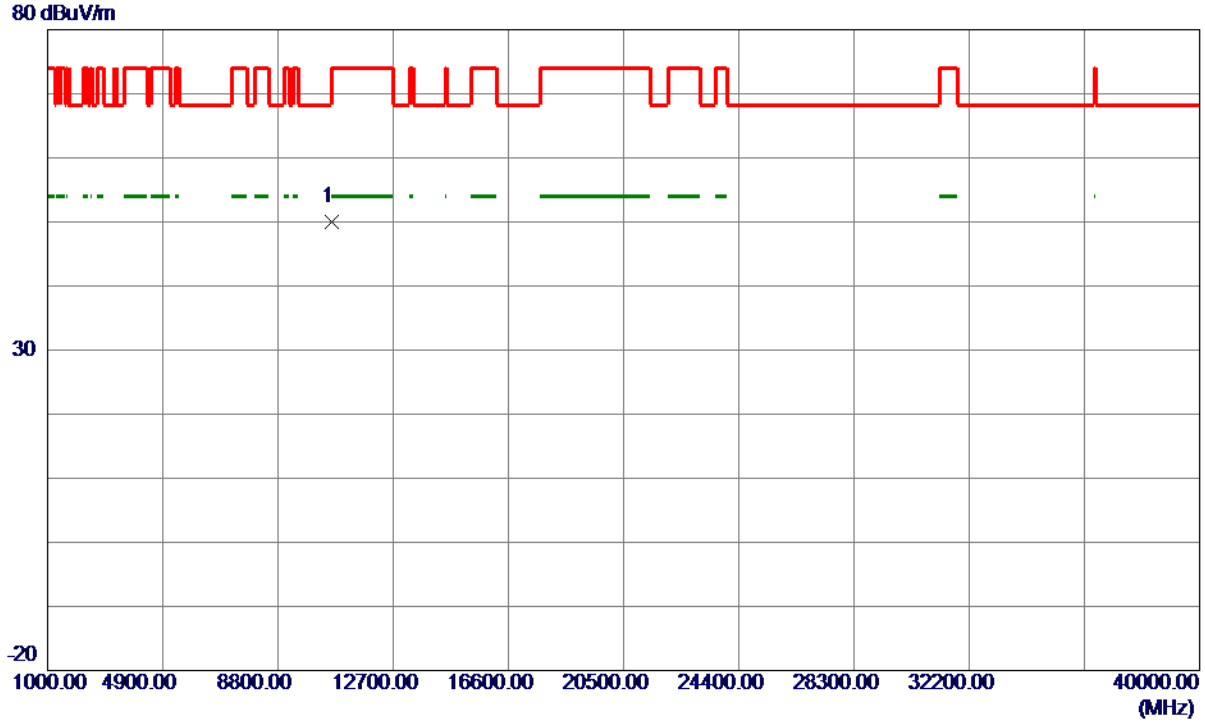


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5306.5500	68.98	37.56	106.54	68.30	38.24	Peak	No limit
2	5306.5500	59.87	37.56	97.43	999.00	-901.57	AVG	No limit
3	5350.0000	24.58	37.74	62.32	74.00	-11.68	Peak	
4	5350.0000	11.15	37.74	48.89	54.00	-5.11	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT40) Mode 5310 MHz

Horizontal

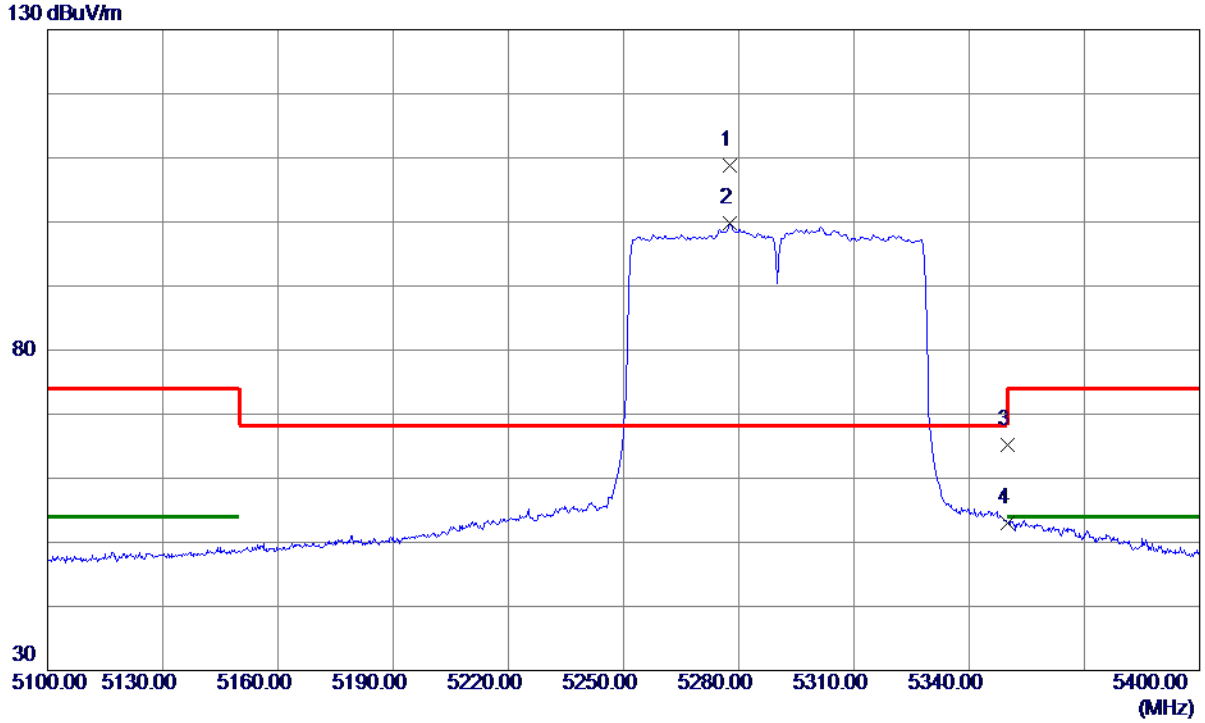


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10620.5400	47.98	1.93	49.91	74.00	-24.09	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT80) Mode 5290 MHz

Vertical

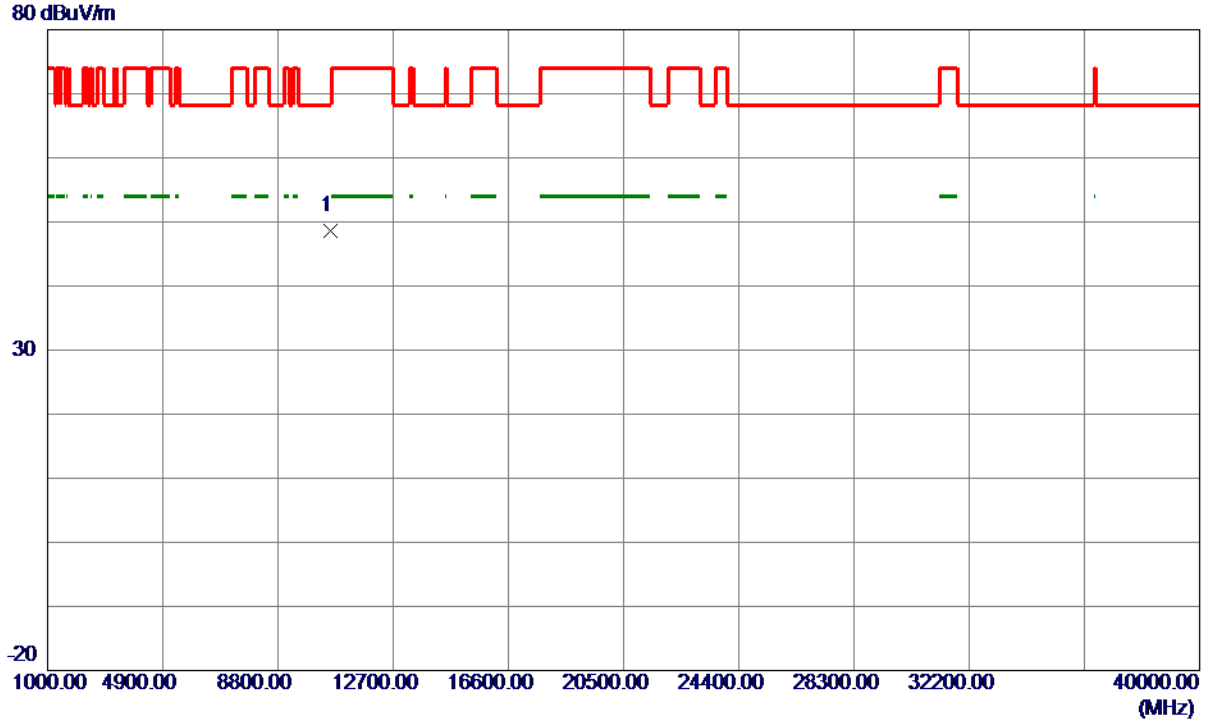


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5277.6000	71.19	37.57	108.76	68.30	40.46	Peak	No limit
2	5277.6000	62.23	37.57	99.80	999.00	-899.20	AVG	No limit
3	5350.0000	27.40	37.74	65.14	74.00	-8.86	Peak	
4	5350.0000	15.18	37.74	52.92	54.00	-1.08	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT80) Mode 5290 MHz

Vertical

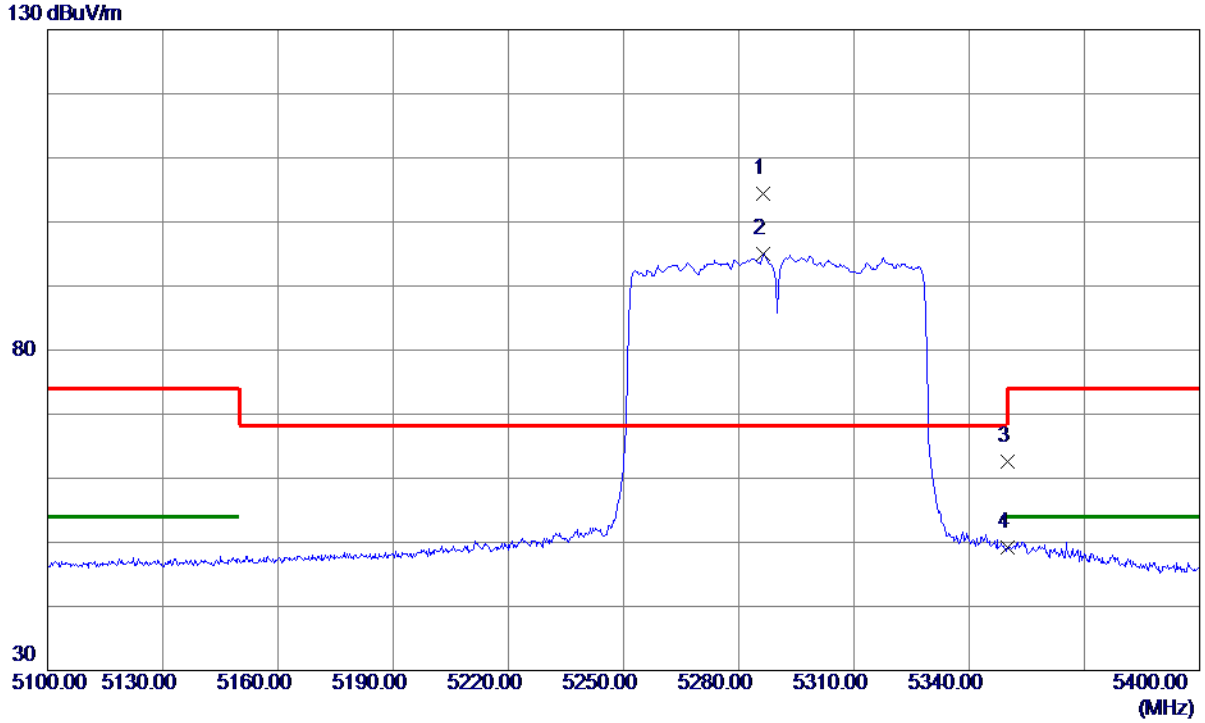


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10571.9200	46.75	1.89	48.64	68.30	-19.66	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT80) Mode 5290 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5286.4500	66.86	37.55	104.41	68.30	36.11	Peak	No limit
2	5286.4500	57.47	37.55	95.02	999.00	-903.98	AVG	No limit
3	5350.0000	24.88	37.74	62.62	74.00	-11.38	Peak	
4	5350.0000	11.39	37.74	49.13	54.00	-4.87	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2A_TX AC (VHT80) Mode 5290 MHz

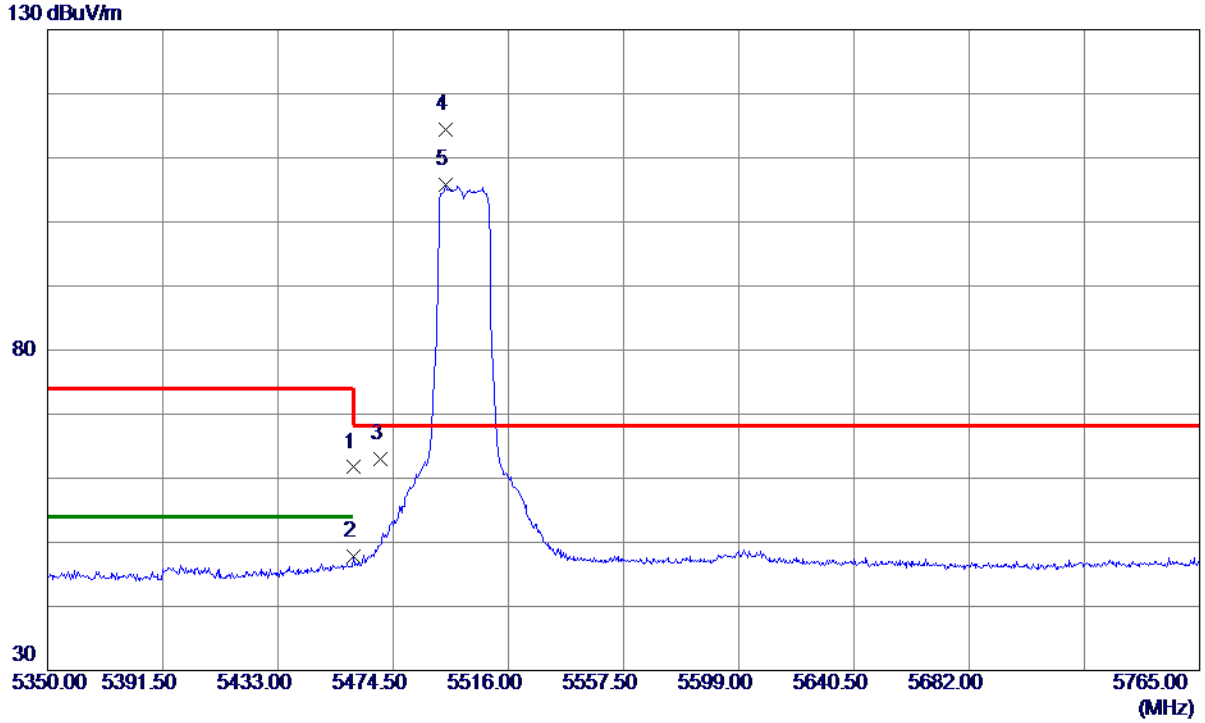
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10595.3600	46.46	1.92	48.38	68.30	-19.92	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5500 MHz

Vertical

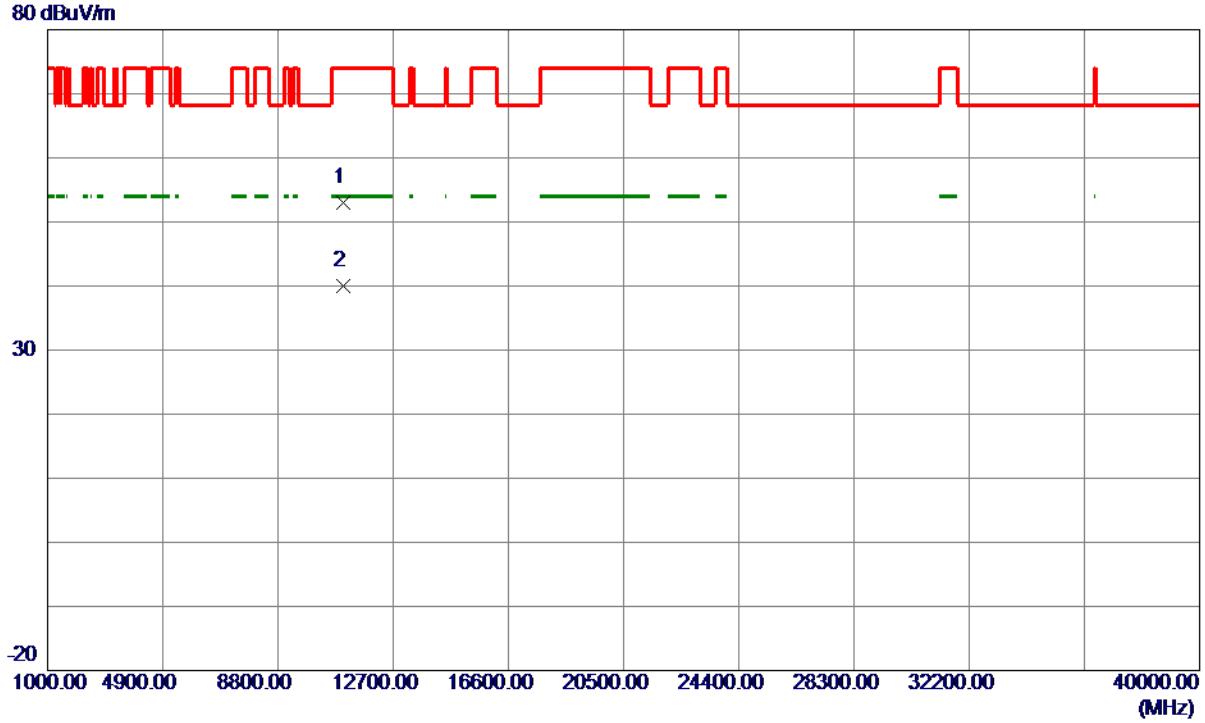


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	23.58	38.12	61.70	74.00	-12.30	Peak	
2	5460.0000	9.65	38.12	47.77	54.00	-6.23	AVG	
3	5470.0000	24.84	38.15	62.99	68.30	-5.31	Peak	
4 *	5493.3820	76.23	38.22	114.45	68.30	46.15	Peak	No limit
5	5493.3820	67.49	38.22	105.71	999.00	-893.29	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5500 MHz

Vertical

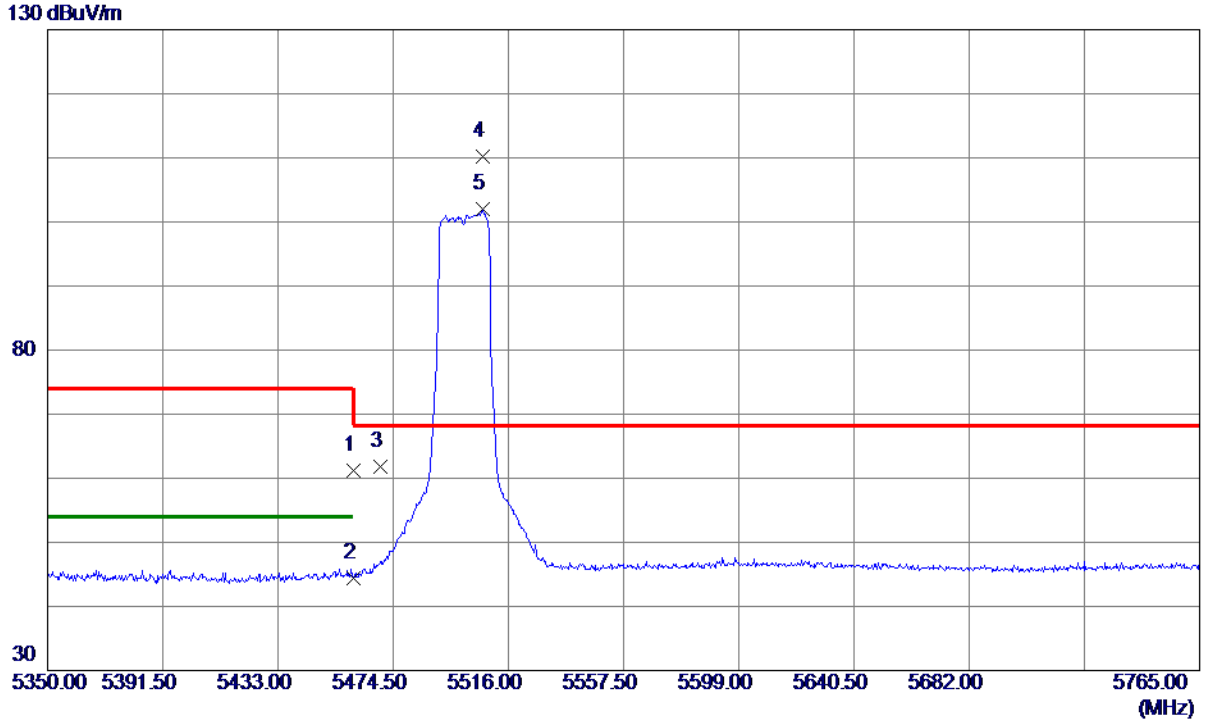


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10995.5700	50.70	2.33	53.03	74.00	-20.97	Peak	
2 *	11000.0700	37.67	2.34	40.01	54.00	-13.99	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5500 MHz

Horizontal

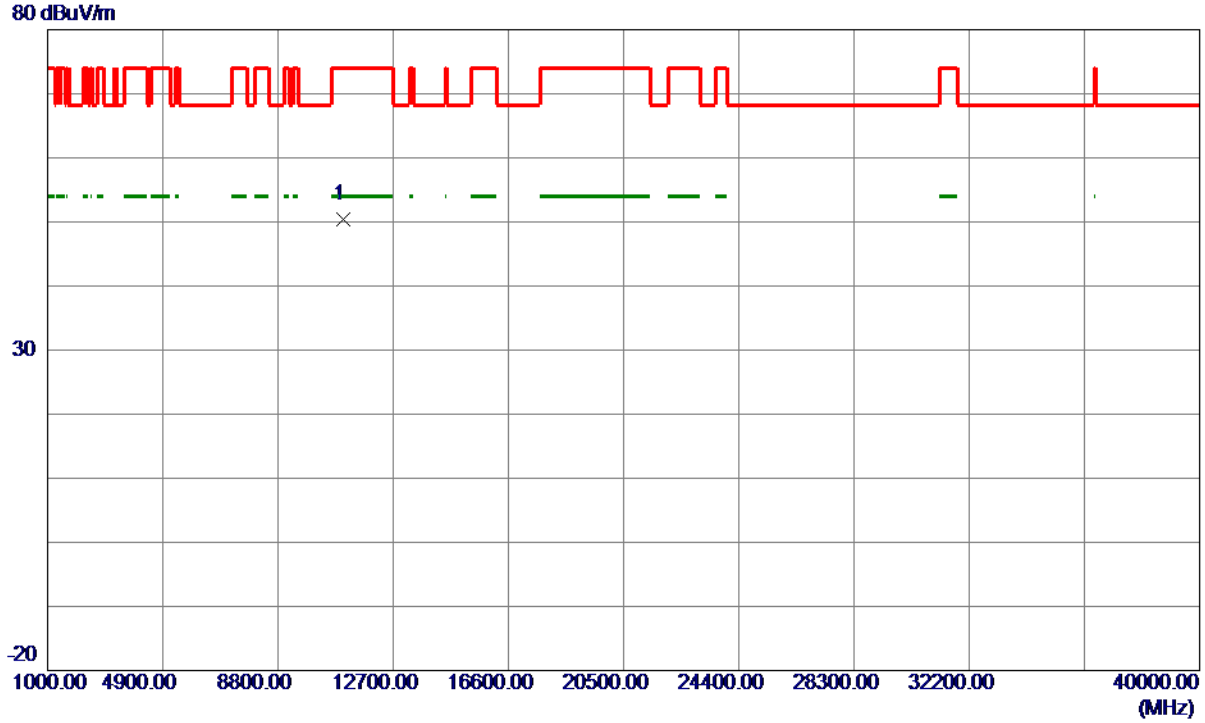


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	23.11	38.12	61.23	74.00	-12.77	Peak	
2	5460.0000	6.31	38.12	44.43	54.00	-9.57	AVG	
3	5470.0000	23.72	38.15	61.87	68.30	-6.43	Peak	
4 *	5506.6629	71.92	38.25	110.17	68.30	41.87	Peak	No limit
5	5506.6629	63.72	38.25	101.97	999.00	-897.03	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5500 MHz

Horizontal

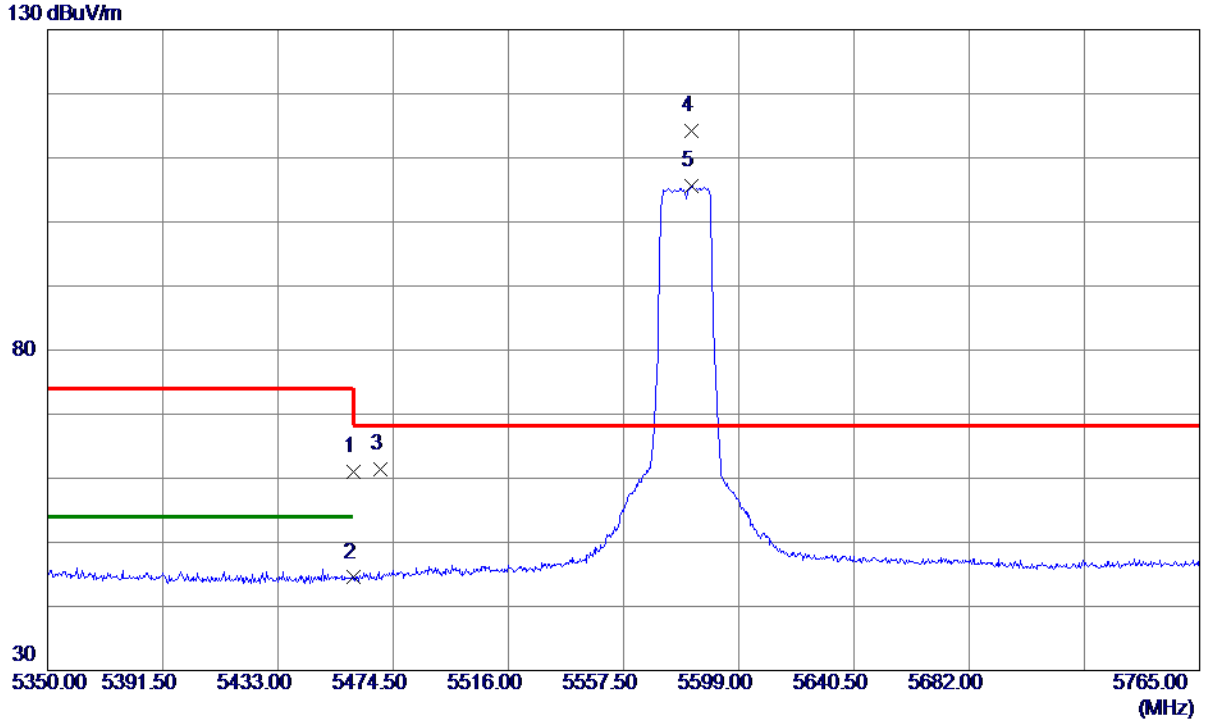


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10993.2800	48.12	2.33	50.45	74.00	-23.55	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5580 MHz

Vertical

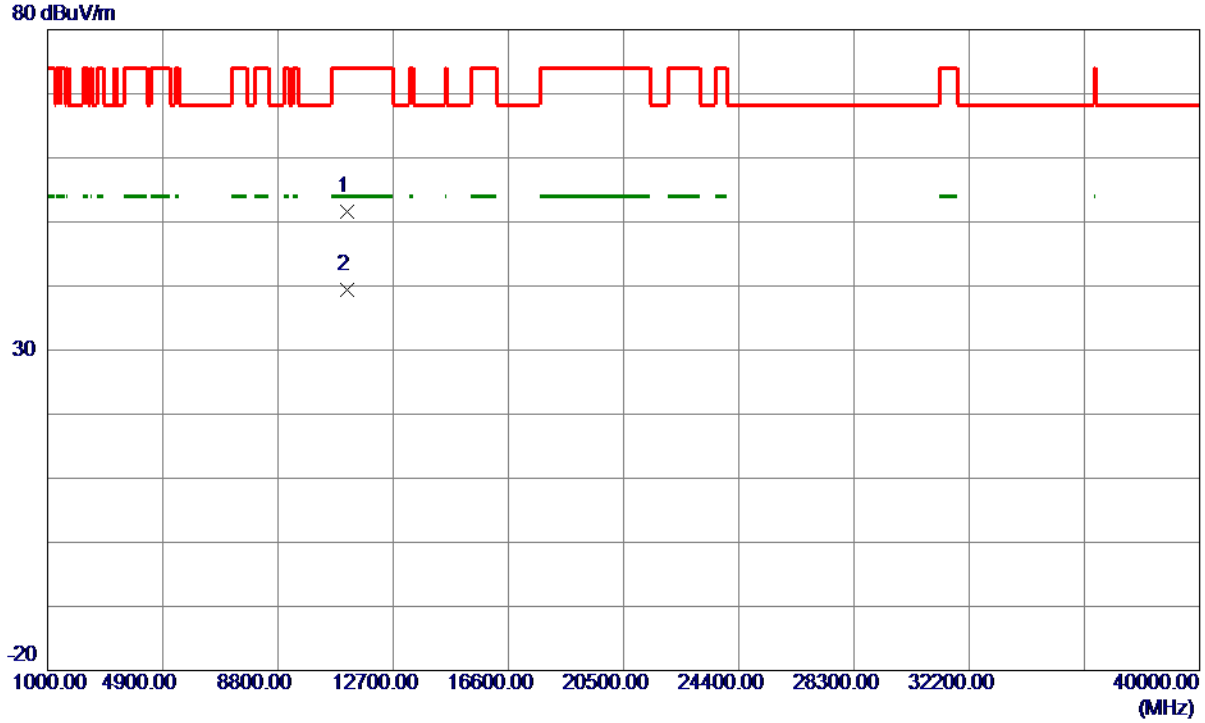


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	22.82	38.12	60.94	74.00	-13.06	Peak	
2	5460.0000	6.38	38.12	44.50	54.00	-9.50	AVG	
3	5470.0000	23.17	38.15	61.32	68.30	-6.98	Peak	
4 *	5581.9850	75.90	38.32	114.22	68.30	45.92	Peak	No limit
5	5581.9850	67.29	38.32	105.61	999.00	-893.39	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5580 MHz

Vertical

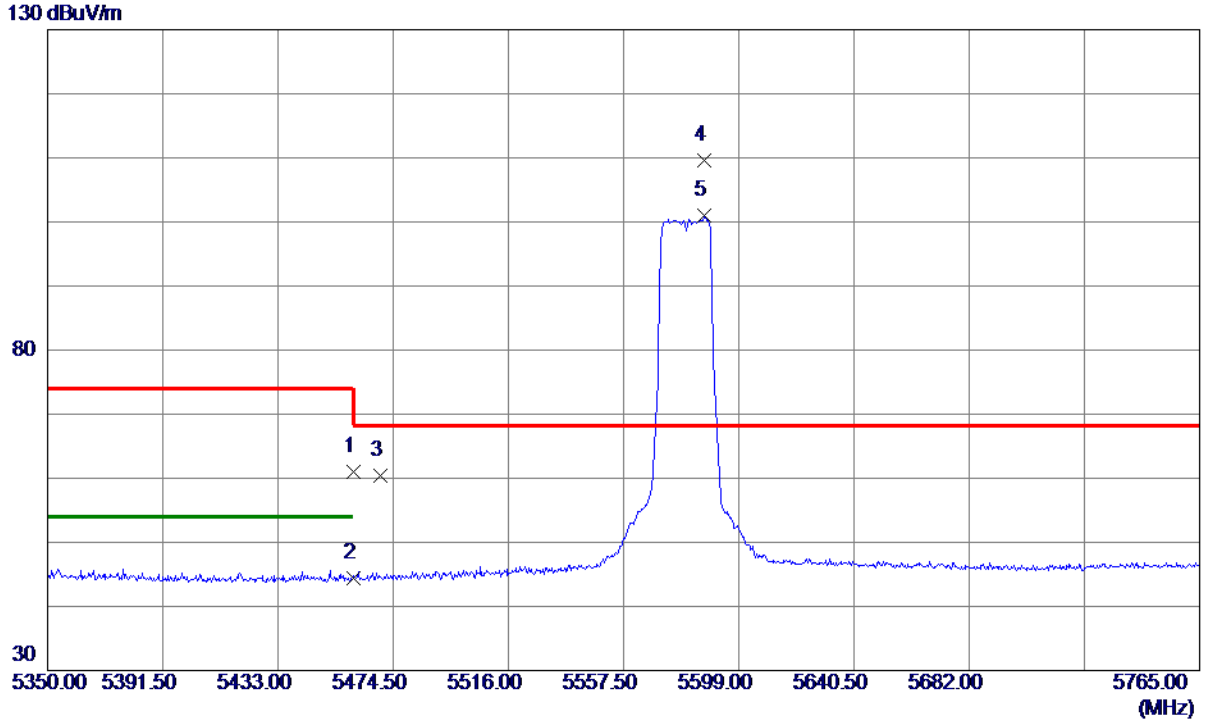


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11161.3000	49.52	2.03	51.55	74.00	-22.45	Peak	
2 *	11161.4400	37.43	2.03	39.46	54.00	-14.54	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5580 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	22.93	38.12	61.05	74.00	-12.95	Peak	
2	5460.0000	6.34	38.12	44.46	54.00	-9.54	AVG	
3	5470.0000	22.17	38.15	60.32	68.30	-7.98	Peak	
4 *	5586.5500	71.31	38.33	109.64	68.30	41.34	Peak	No limit
5	5586.5500	62.62	38.33	100.95	999.00	-898.05	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5580 MHz

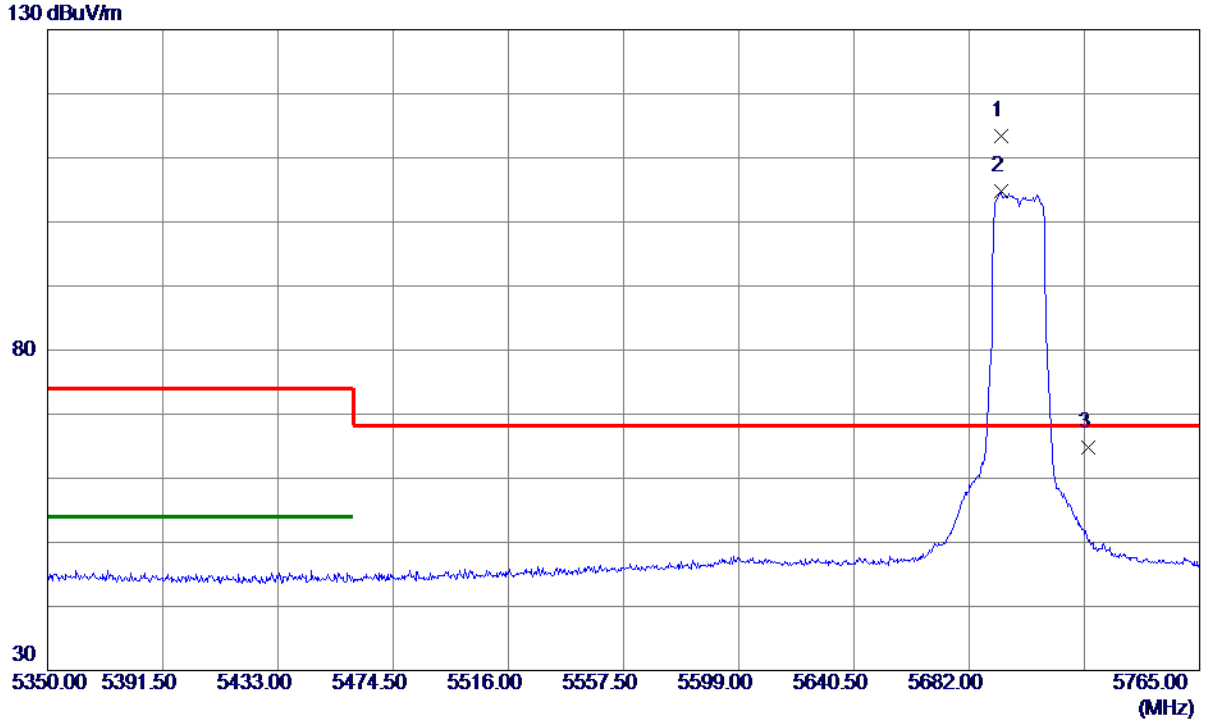
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11161.8500	46.83	2.03	48.86	74.00	-25.14	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5700 MHz

Vertical

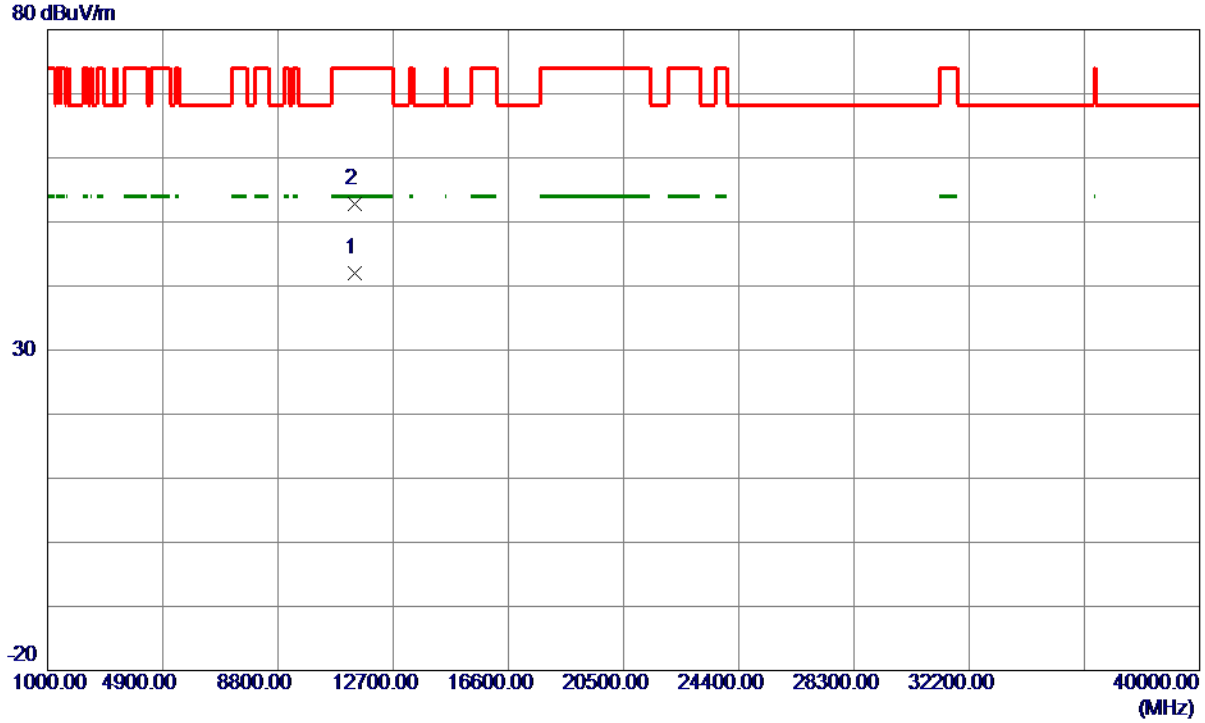


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5693.4129	74.96	38.40	113.36	68.30	45.06	Peak	No limit
2	5693.4129	66.46	38.40	104.86	999.00	-894.14	AVG	No limit
3	5725.0000	26.30	38.50	64.80	68.30	-3.50	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5700 MHz

Vertical

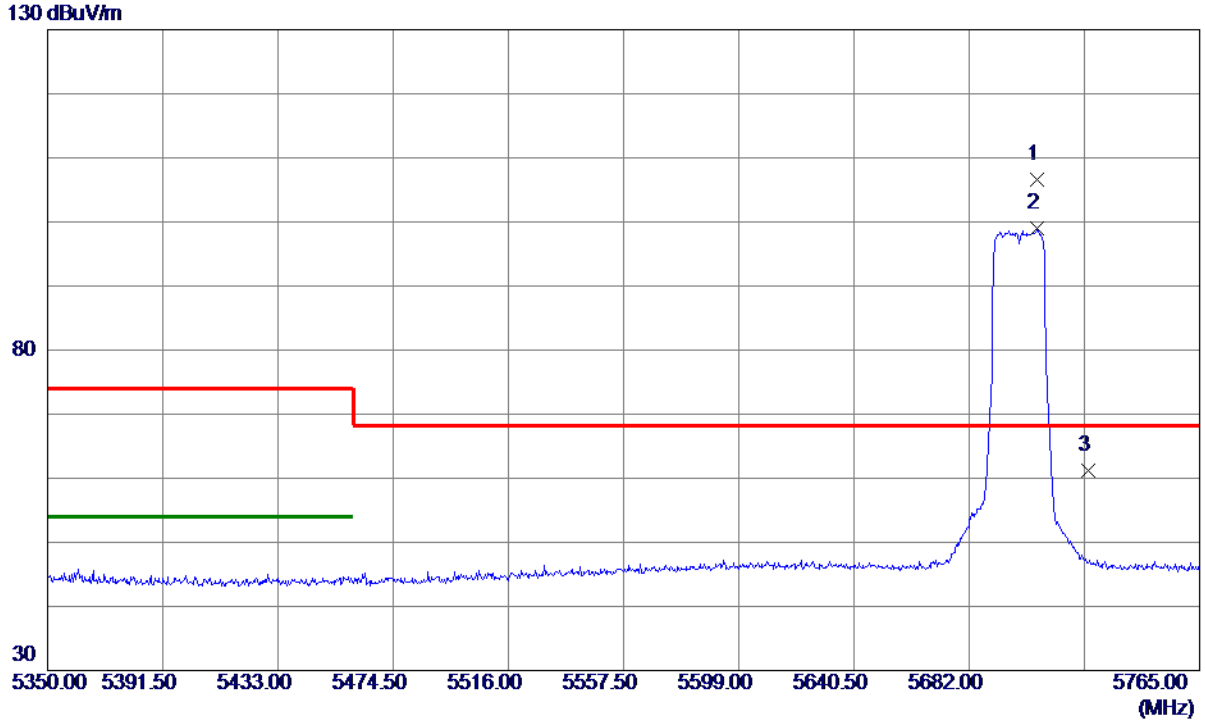


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11400.1100	39.87	2.13	42.00	54.00	-12.00	AVG	
2	11402.3500	50.70	2.13	52.83	74.00	-21.17	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5700 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5706.4850	68.21	38.43	106.64	68.30	38.34	Peak	No limit
2	5706.4850	60.54	38.43	98.97	999.00	-900.03	AVG	No limit
3	5725.0000	22.64	38.50	61.14	68.30	-7.16	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT20) Mode 5700 MHz

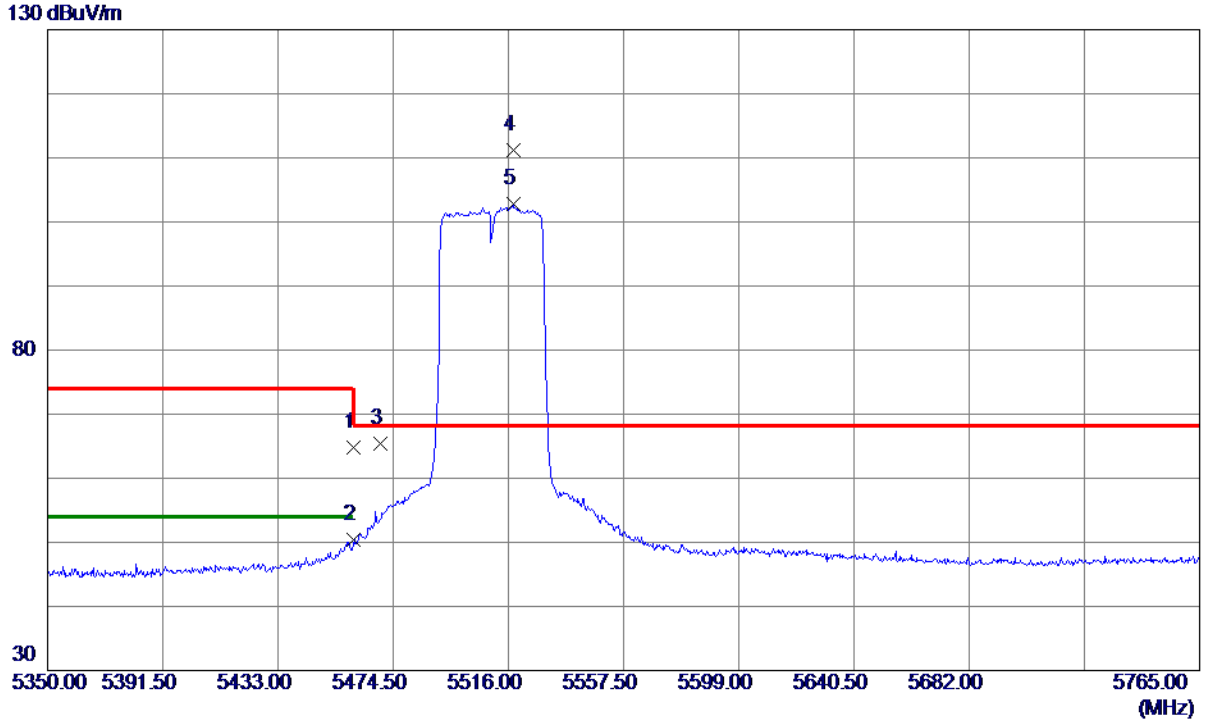
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11395.9500	46.48	2.13	48.61	74.00	-25.39	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5510 MHz

Vertical

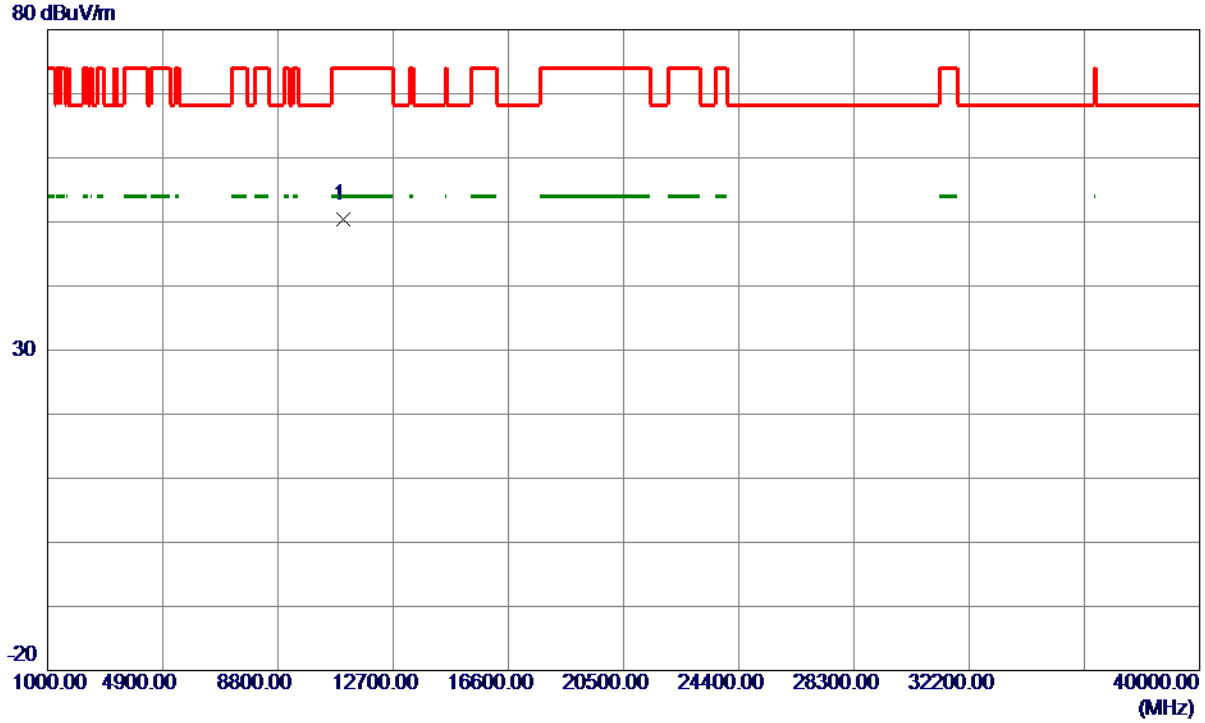


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	26.70	38.12	64.82	74.00	-9.18	Peak	
2	5460.0000	12.19	38.12	50.31	54.00	-3.69	AVG	
3	5470.0000	27.21	38.15	65.36	68.30	-2.94	Peak	
4 *	5517.6600	72.96	38.26	111.22	68.30	42.92	Peak	No limit
5	5517.6600	64.62	38.26	102.88	999.00	-896.12	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5510 MHz

Vertical

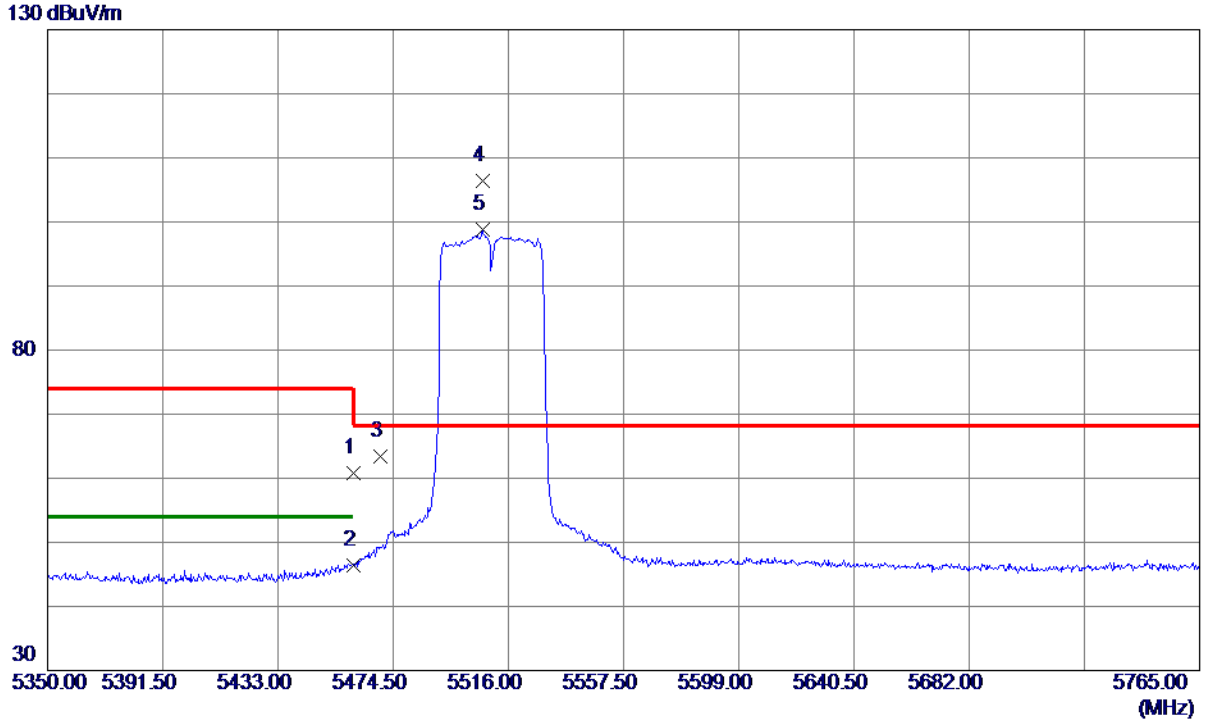


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11021.2600	48.15	2.30	50.45	74.00	-23.55	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5510 MHz

Horizontal

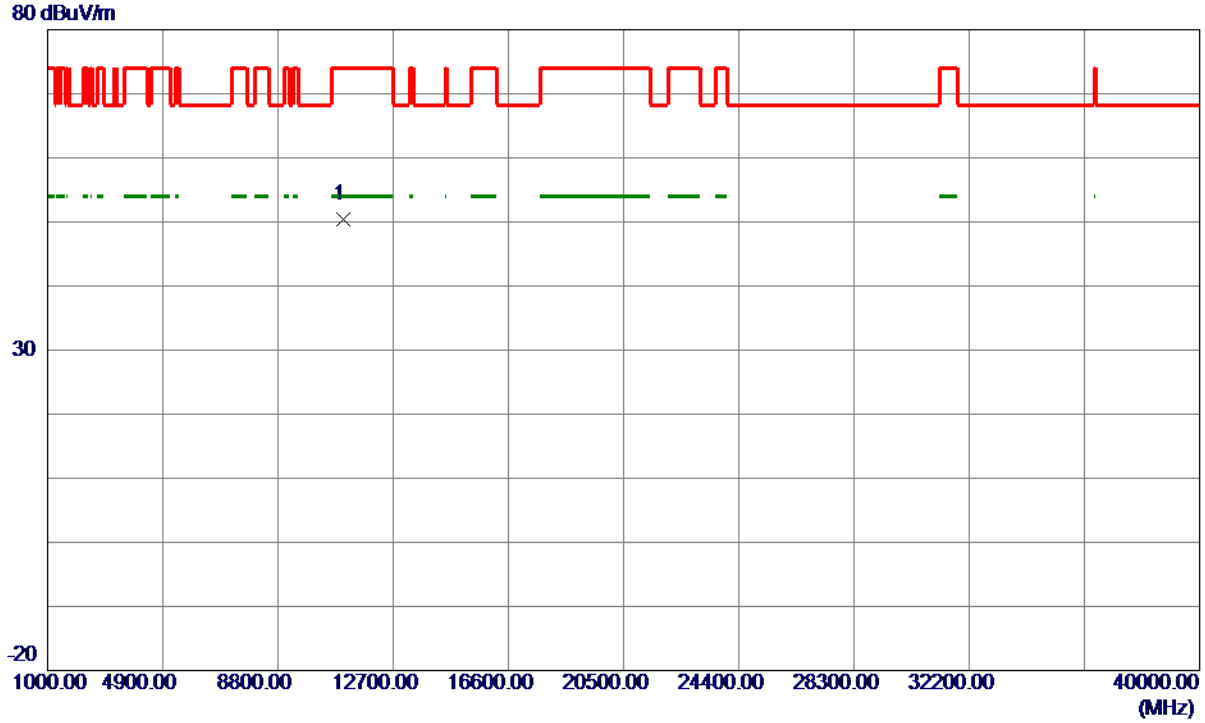


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	22.76	38.12	60.88	74.00	-13.12	Peak	
2	5460.0000	8.30	38.12	46.42	54.00	-7.58	AVG	
3	5470.0000	25.32	38.15	63.47	68.30	-4.83	Peak	
4 *	5506.6629	68.14	38.25	106.39	68.30	38.09	Peak	No limit
5	5506.6629	60.58	38.25	98.83	999.00	-900.17	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5510 MHz

Horizontal

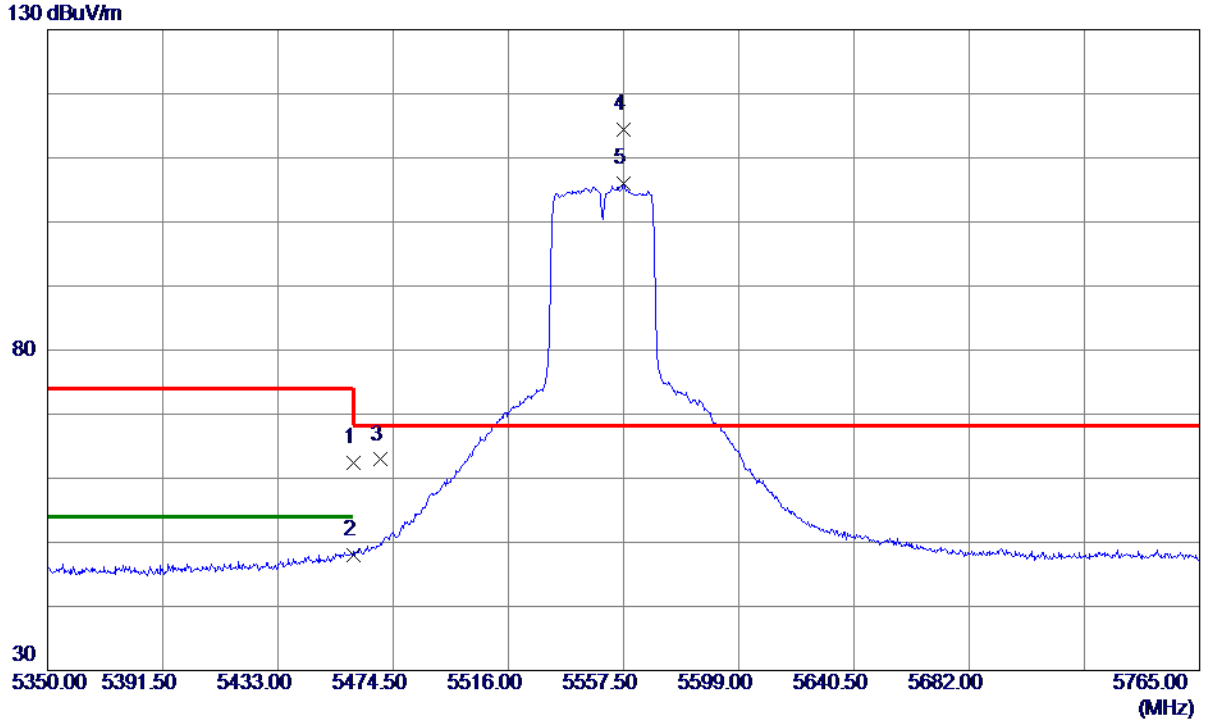


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11024.9200	48.16	2.29	50.45	74.00	-23.55	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5550 MHz

Vertical

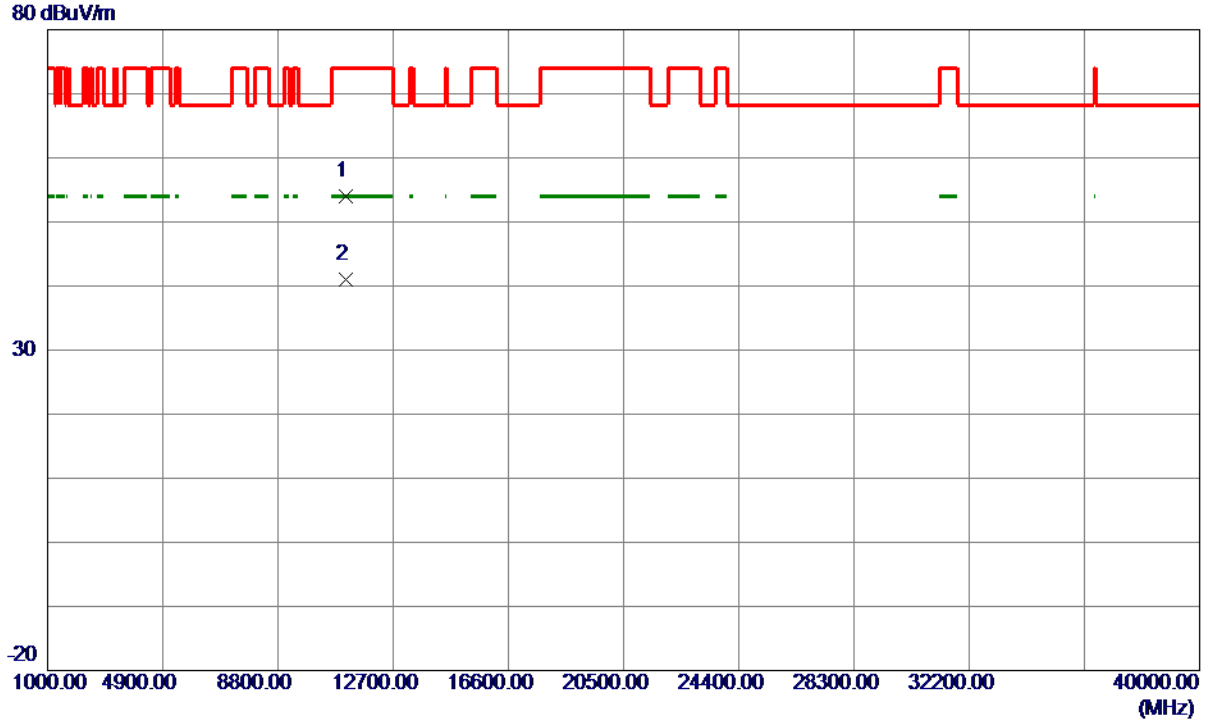


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	24.26	38.12	62.38	74.00	-11.62	Peak	
2	5460.0000	9.83	38.12	47.95	54.00	-6.05	AVG	
3	5470.0000	24.75	38.15	62.90	68.30	-5.40	Peak	
4 *	5557.5000	76.14	38.30	114.44	68.30	46.14	Peak	No limit
5	5557.5000	67.62	38.30	105.92	999.00	-893.08	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5550 MHz

Vertical

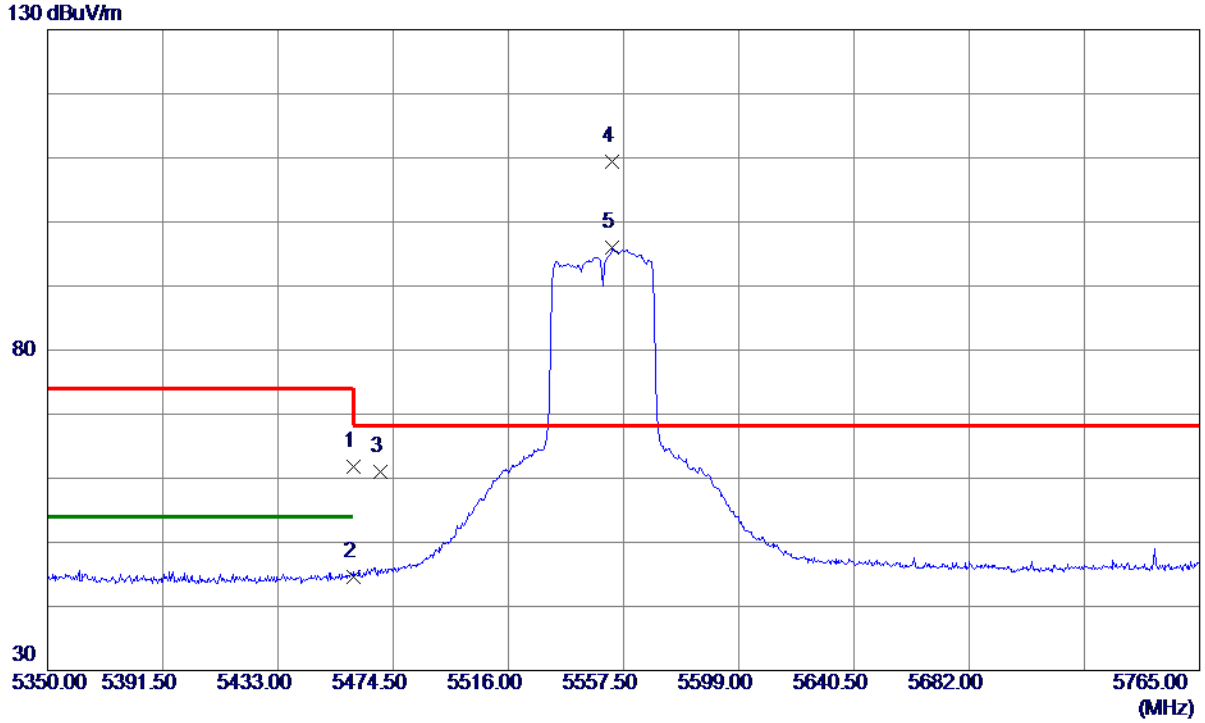


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11095.2800	51.87	2.16	54.03	74.00	-19.97	Peak	
2 *	11099.6800	38.78	2.15	40.93	54.00	-13.07	AVG	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5550 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	23.77	38.12	61.89	74.00	-12.11	Peak	
2	5460.0000	6.55	38.12	44.67	54.00	-9.33	AVG	
3	5470.0000	22.89	38.15	61.04	68.30	-7.26	Peak	
4 *	5553.5570	71.02	38.29	109.31	68.30	41.01	Peak	No limit
5	5553.5570	57.76	38.29	96.05	999.00	-902.95	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5550 MHz

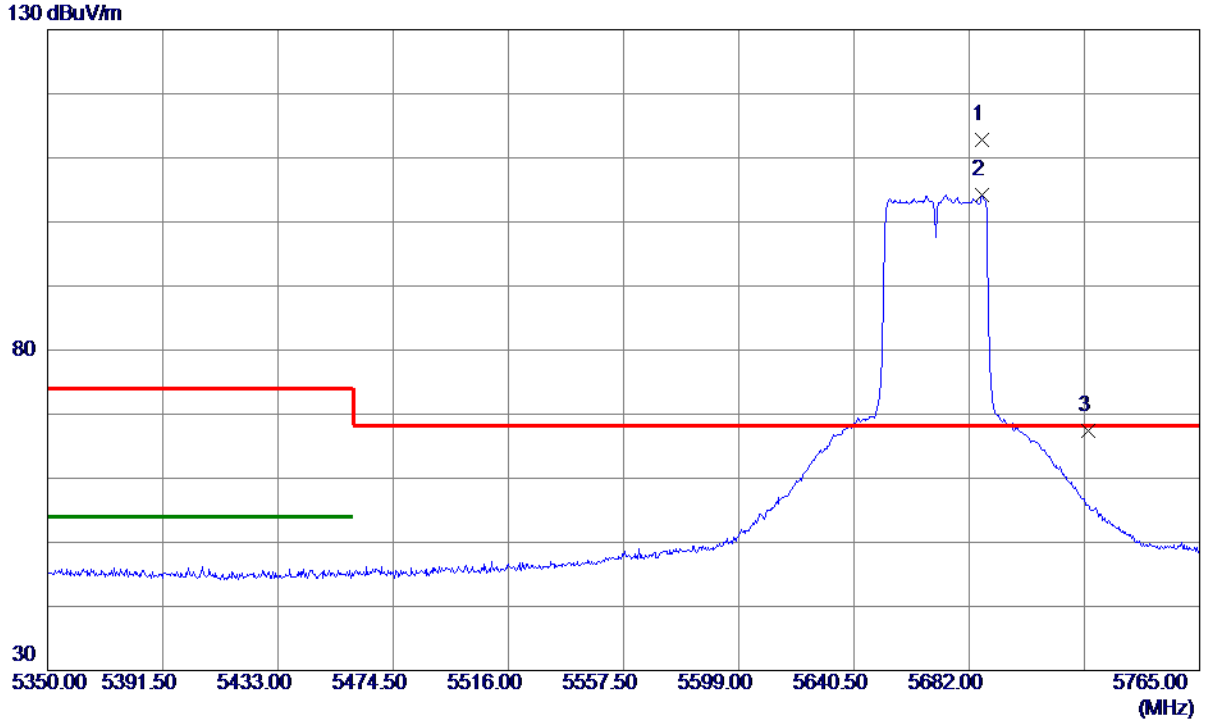
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11118.1800	47.27	2.12	49.39	74.00	-24.61	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5670 MHz

Vertical

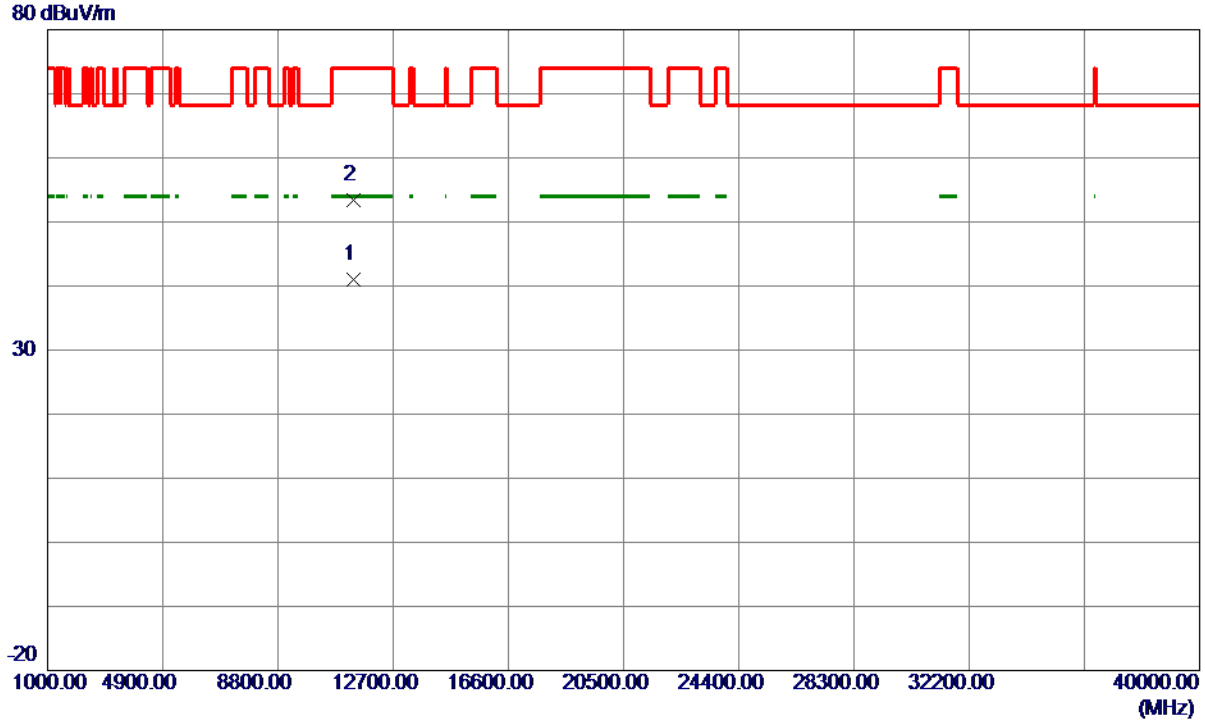


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5686.5650	74.33	38.40	112.73	68.30	44.43	Peak	No limit
2	5686.5650	65.89	38.40	104.29	999.00	-894.71	AVG	No limit
3	5725.0000	28.85	38.50	67.35	68.30	-0.95	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5670 MHz

Vertical

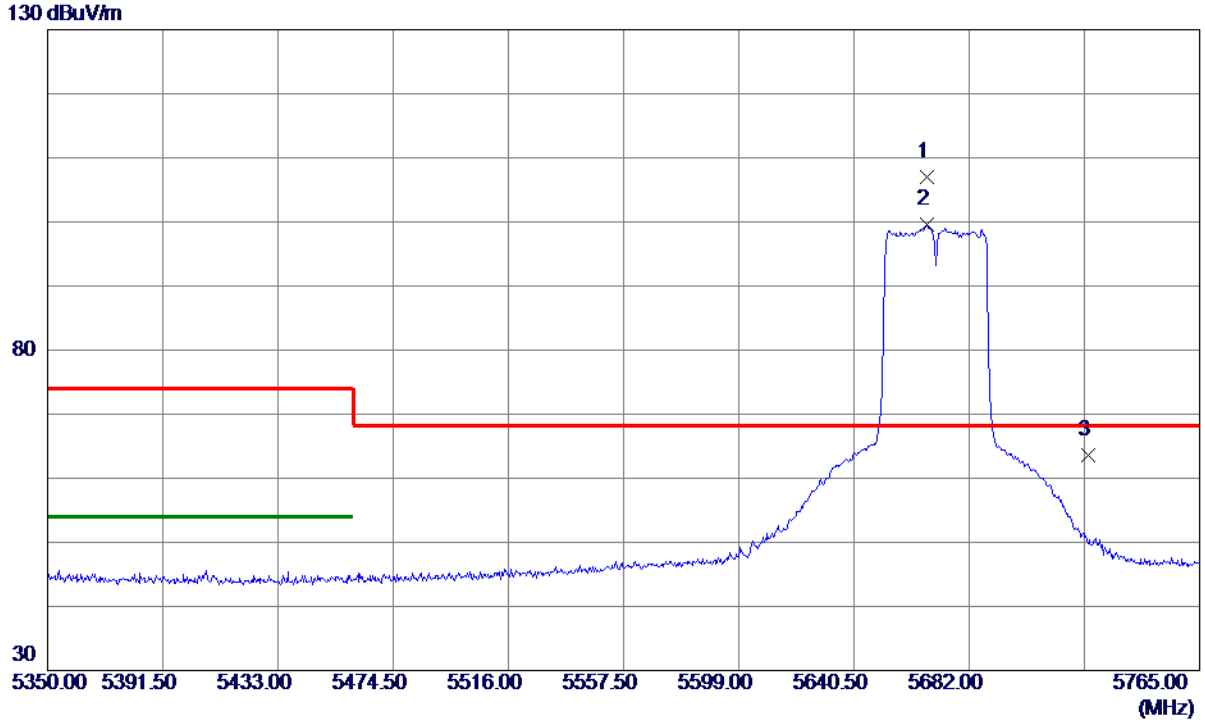


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11339.8000	38.98	2.08	41.06	54.00	-12.94	AVG	
2	11340.4200	51.35	2.08	53.43	74.00	-20.57	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5670 MHz

Horizontal

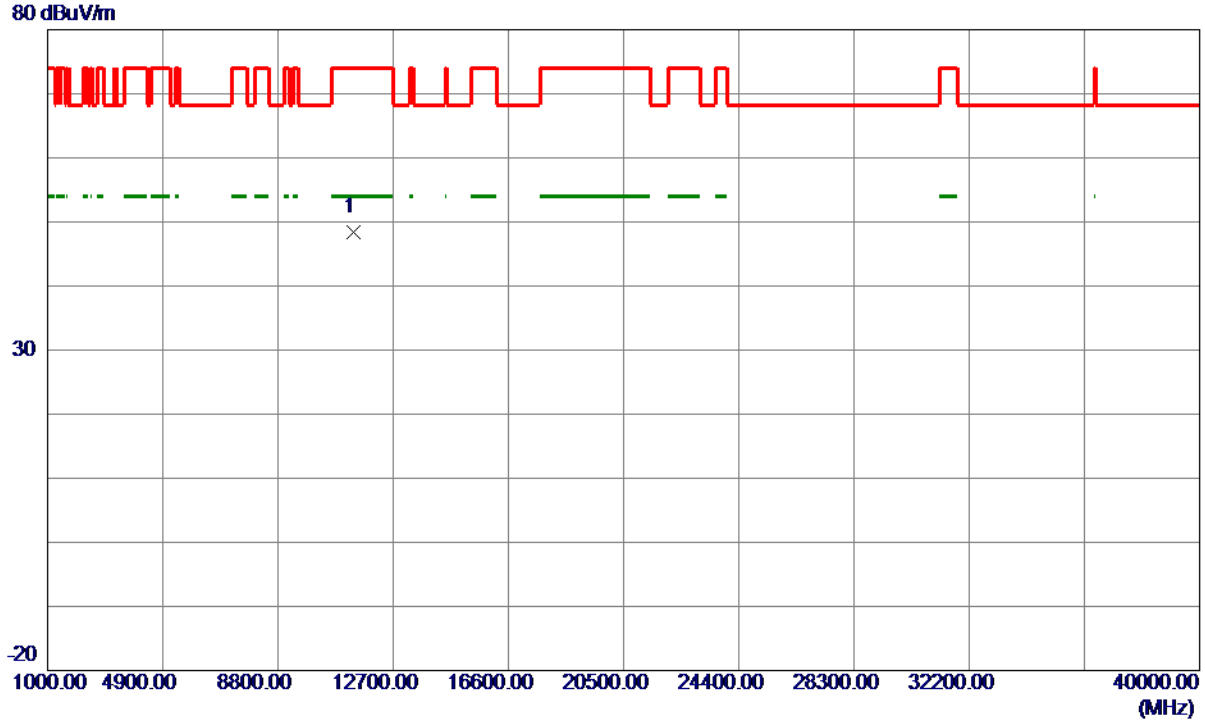


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5666.6450	68.65	38.38	107.03	68.30	38.73	Peak	No limit
2	5666.6450	61.18	38.38	99.56	999.00	-899.44	AVG	No limit
3	5725.0000	25.16	38.50	63.66	68.30	-4.64	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT40) Mode 5670 MHz

Horizontal

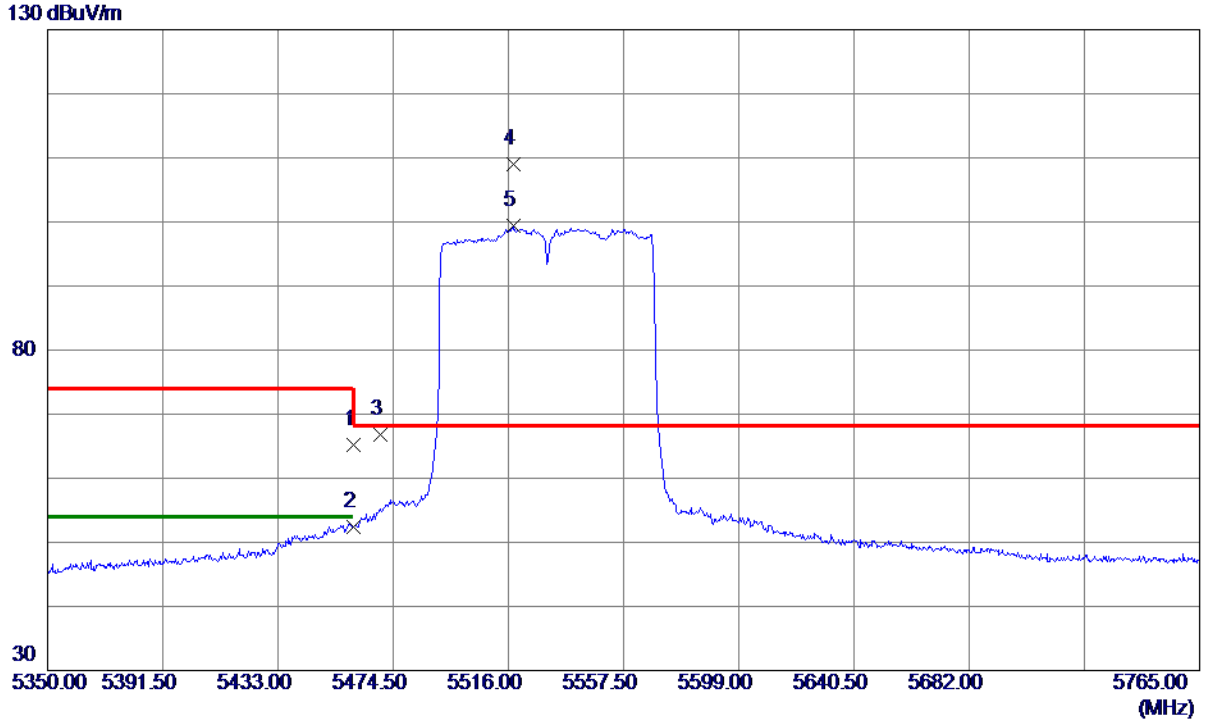


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11359.6200	46.37	2.10	48.47	74.00	-25.53	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT80) Mode 5530 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	27.13	38.12	65.25	74.00	-8.75	Peak	
2	5460.0000	14.32	38.12	52.44	54.00	-1.56	AVG	
3	5470.0000	28.62	38.15	66.77	68.30	-1.53	Peak	
4 *	5517.6600	70.65	38.26	108.91	68.30	40.61	Peak	No limit
5	5517.6600	61.18	38.26	99.44	999.00	-899.56	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT80) Mode 5530 MHz

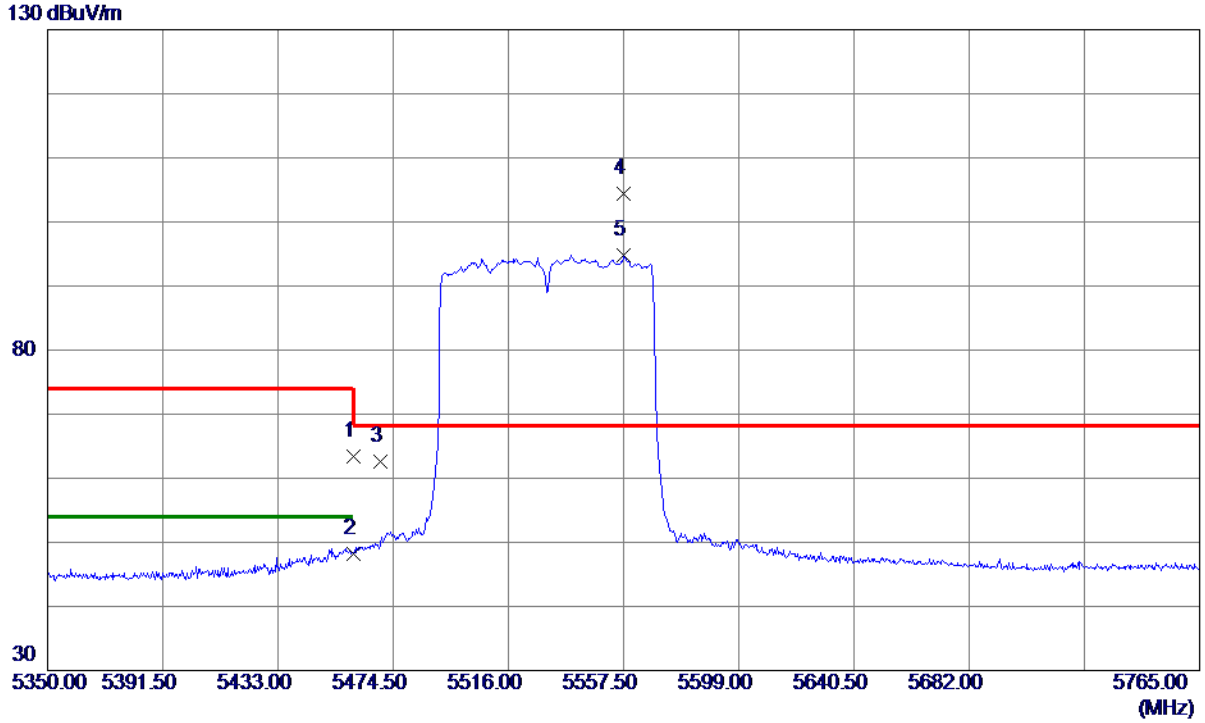
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11054.9200	46.91	2.24	49.15	74.00	-24.85	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT80) Mode 5530 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	25.35	38.12	63.47	74.00	-10.53	Peak	
2	5460.0000	10.06	38.12	48.18	54.00	-5.82	AVG	
3	5470.0000	24.51	38.15	62.66	68.30	-5.64	Peak	
4 *	5557.7080	66.08	38.30	104.38	68.30	36.08	Peak	No limit
5	5557.7080	56.50	38.30	94.80	999.00	-904.20	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT80) Mode 5530 MHz

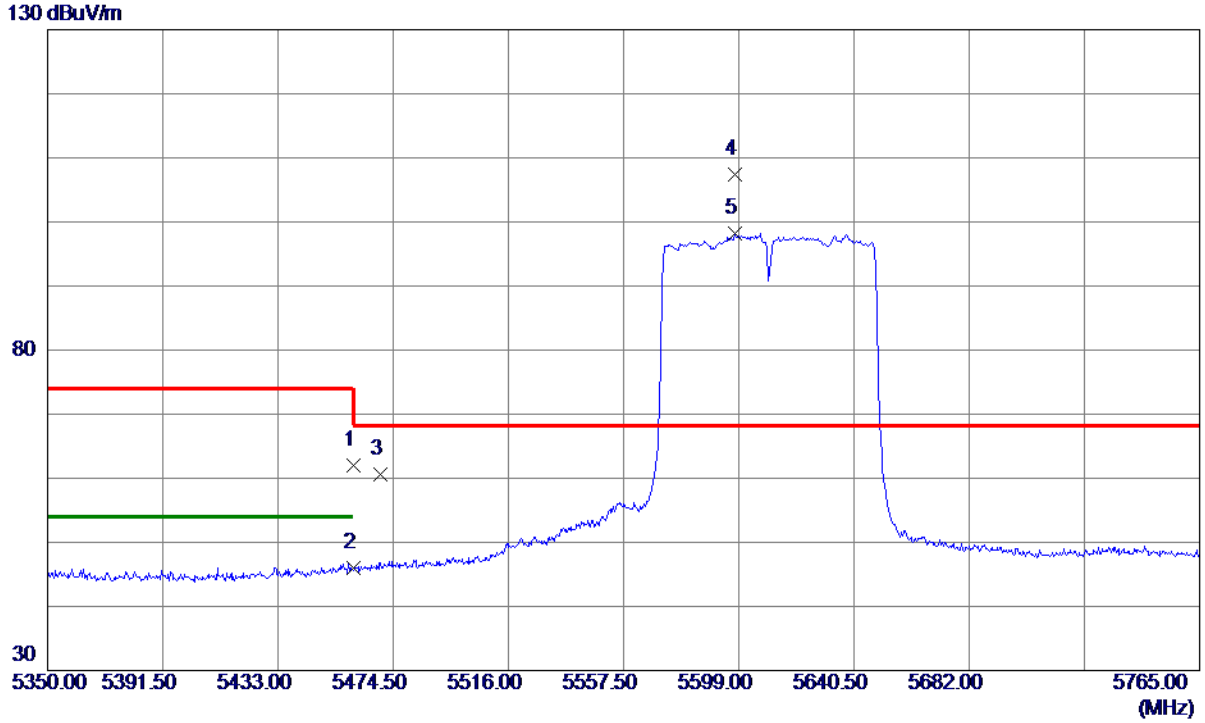
Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11069.8800	46.93	2.21	49.14	74.00	-24.86	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT80) Mode 5610 MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	23.97	38.12	62.09	74.00	-11.91	Peak	
2	5460.0000	7.82	38.12	45.94	54.00	-8.06	AVG	
3	5470.0000	22.44	38.15	60.59	68.30	-7.71	Peak	
4 *	5597.5470	69.00	38.34	107.34	68.30	39.04	Peak	No limit
5	5597.5470	59.87	38.34	98.21	999.00	-900.79	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT80) Mode 5610 MHz

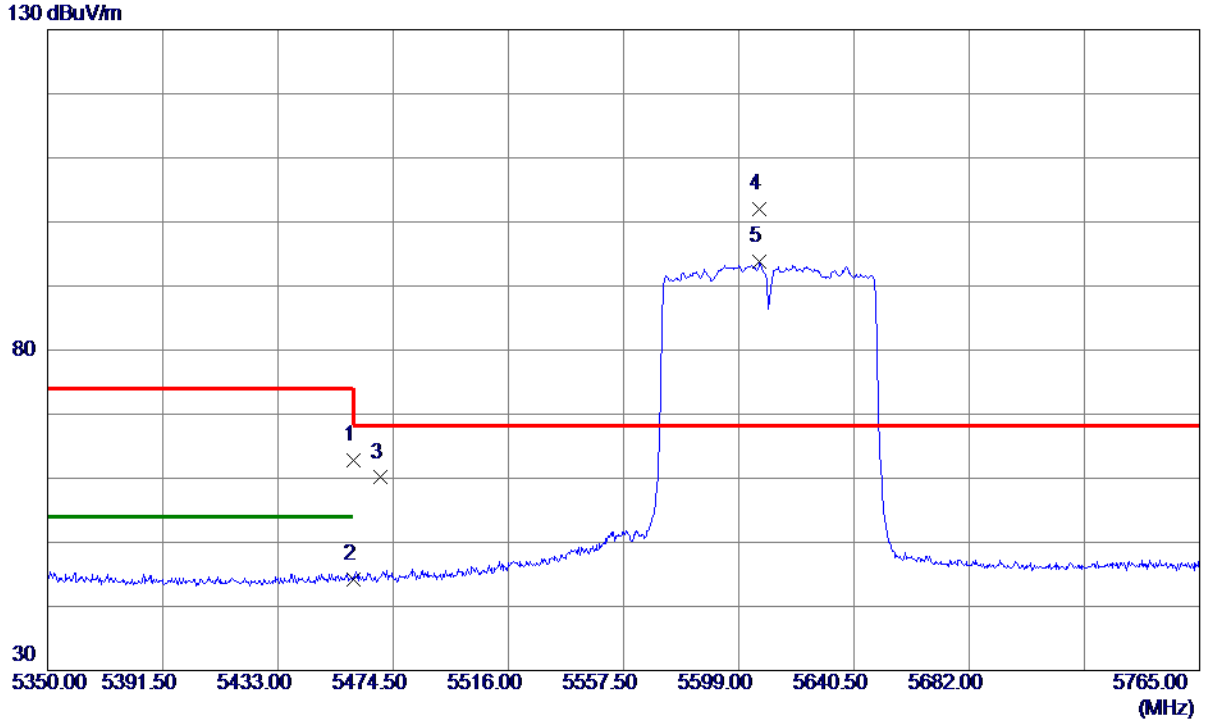
Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11235.1400	47.64	1.99	49.63	74.00	-24.37	Peak	

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT80) Mode 5610 MHz

Horizontal

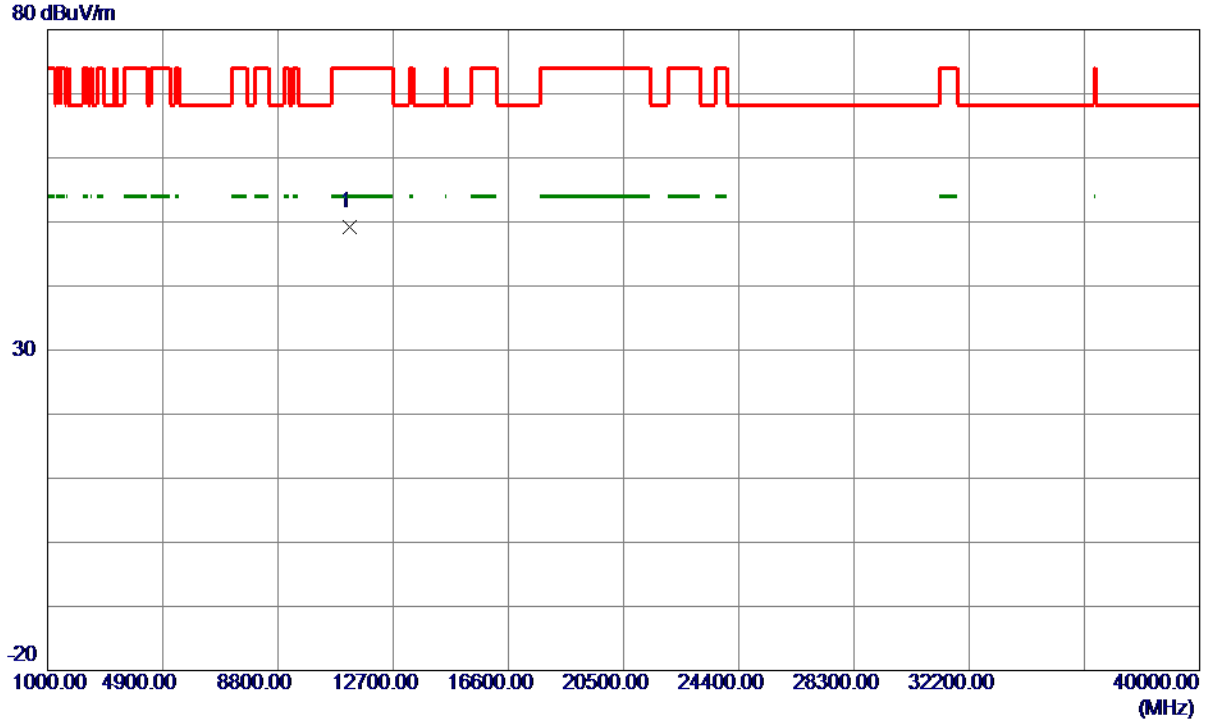


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	24.66	38.12	62.78	74.00	-11.22	Peak	
2	5460.0000	6.10	38.12	44.22	54.00	-9.78	AVG	
3	5470.0000	21.95	38.15	60.10	68.30	-8.20	Peak	
4 *	5606.4700	63.56	38.34	101.90	68.30	33.60	Peak	No limit
5	5606.4700	55.37	38.34	93.71	999.00	-905.29	AVG	No limit

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

Orthogonal Axis	X
Test Mode	UNII-2C_TX AC (VHT80) Mode 5610 MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11234.0400	47.25	1.99	49.24	74.00	-24.76	Peak	

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

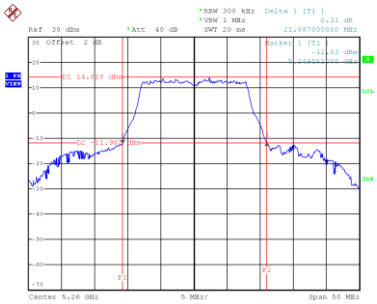
APPENDIX E - BANDWIDTH

Non-Beamforming

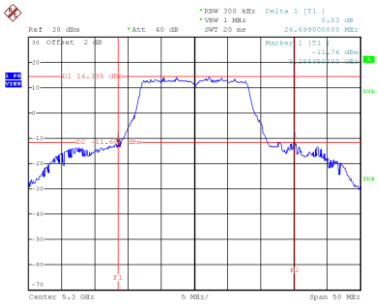
Test Mode	UNII-2A_TX A Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
52	5260	21.89	17.40
60	5300	26.70	17.40
64	5320	26.90	17.40

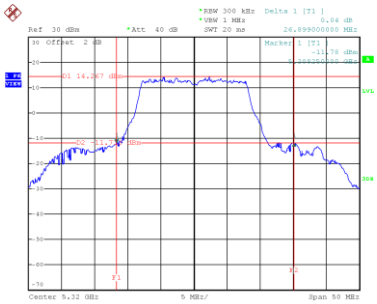
CH52



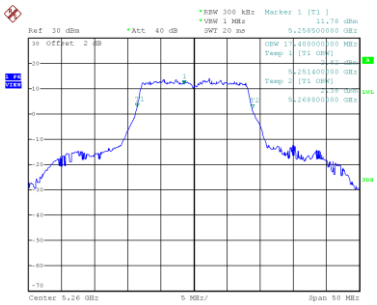
CH60

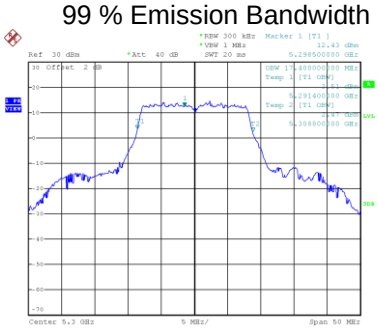


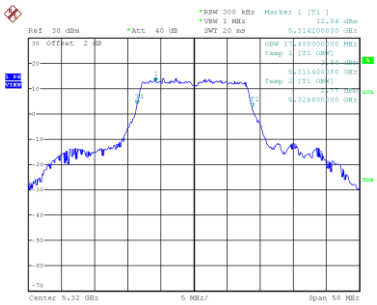
CH64



99 % Emission Bandwidth



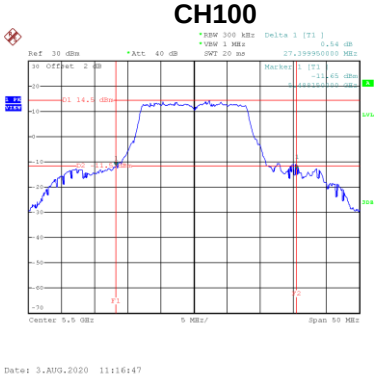




Test Mode	UNII-2C_TX A Mode

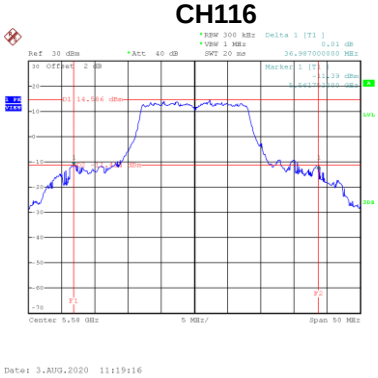
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
100	5500	27.40	17.60
116	5580	36.99	17.80
140	5700	27.10	17.50

CH100



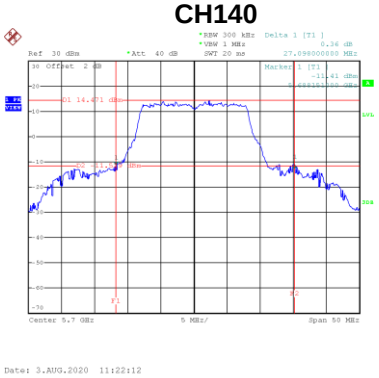
Date: 3.AUG.2020 11:16:47

CH116

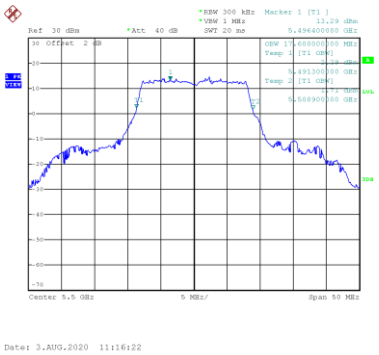


Date: 3.AUG.2020 11:19:16

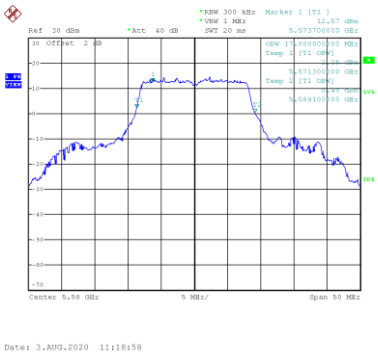
CH140



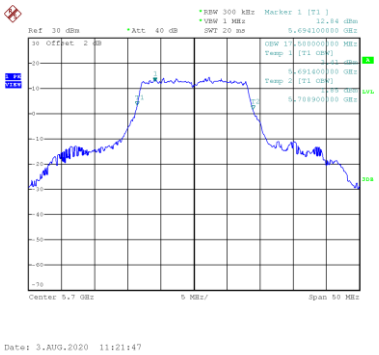
Date: 3.AUG.2020 11:22:12



Date: 3.AUG.2020 11:16:22



Date: 3.AUG.2020 11:18:58

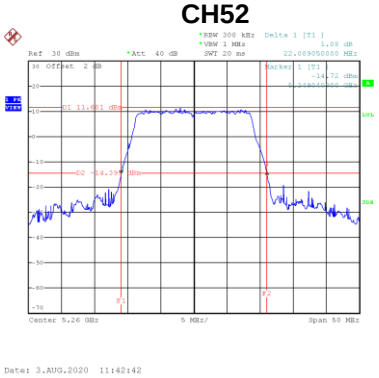


Date: 3.AUG.2020 11:21:47

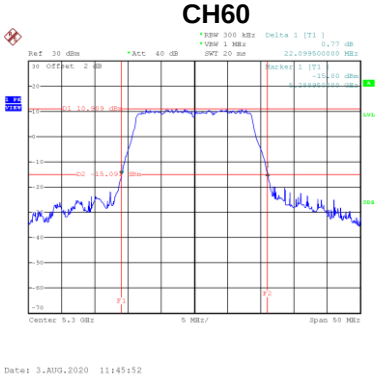
Test Mode	UNII-2A_TX AC (VHT20) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
52	5260	22.01	18.30
60	5300	22.10	18.20
64	5320	22.19	18.40

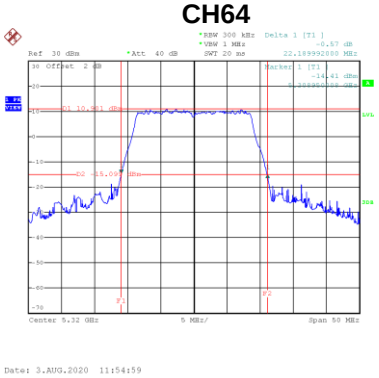
CH52



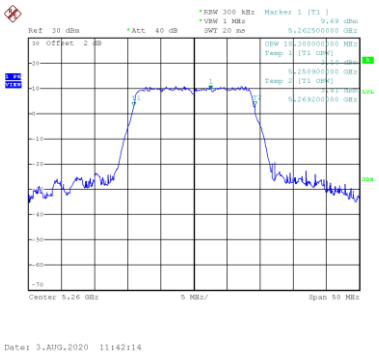
CH60

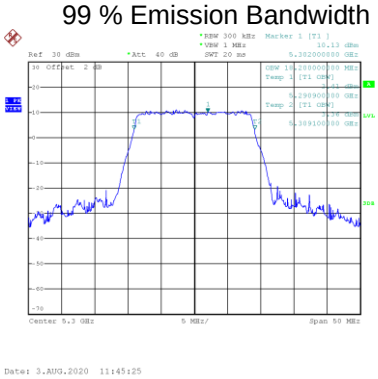


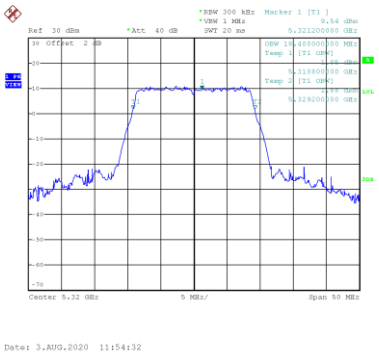
CH64



99 % Emission Bandwidth



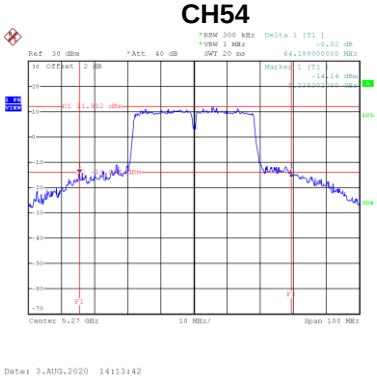




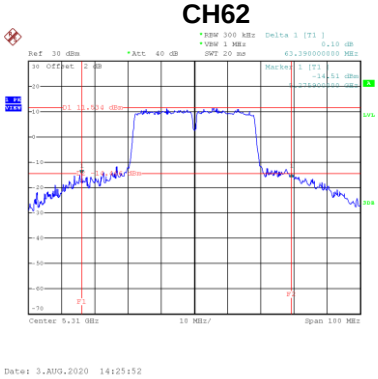
Test Mode	UNII-2A_TX AC (VHT40) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
54	5270	64.19	38.00
62	5310	63.39	37.60

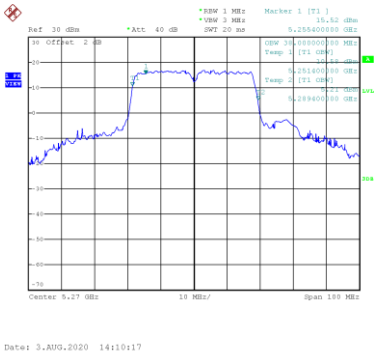
CH54

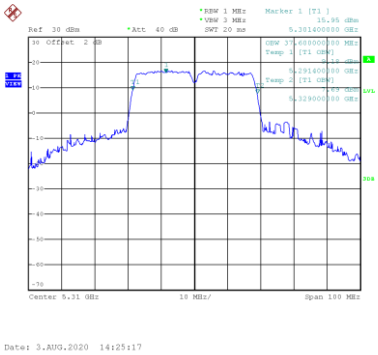


CH62



99 % Emission Bandwidth

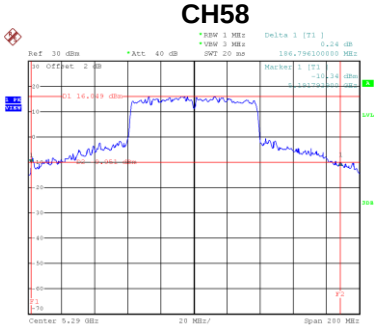




Test Mode	UNII-2A_TX AC (VHT80)

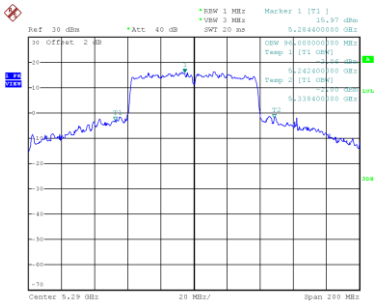
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
58	5290	186.80	96.00

CH58



Date: 3.AUG.2020 14:52:31

99 % Emission Bandwidth

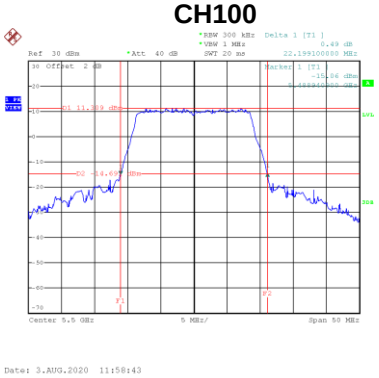


Date: 3.AUG.2020 14:51:40

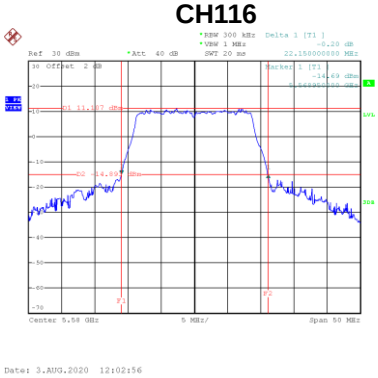
Test Mode	UNII-2C_TX AC (VHT20) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
100	5500	22.20	18.40
116	5580	22.15	18.40
140	5700	22.19	18.40

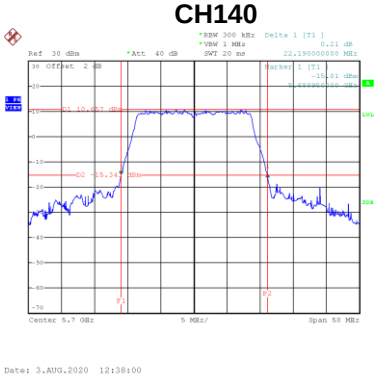
CH100



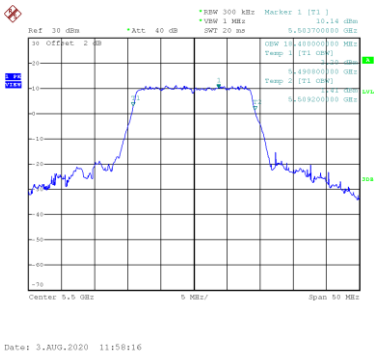
CH116

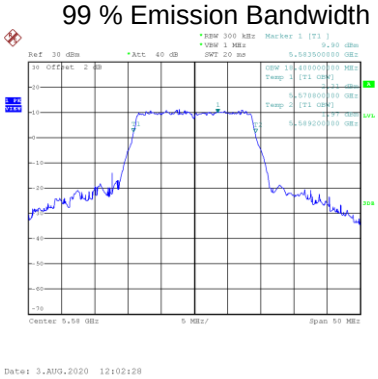


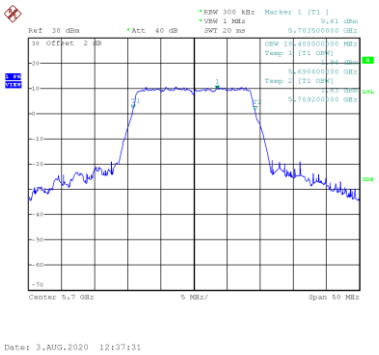
CH140



99 % Emission Bandwidth



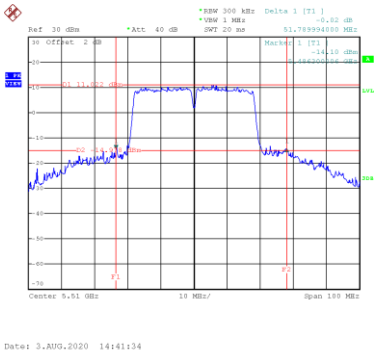




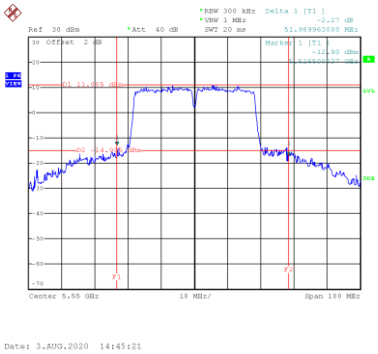
Test Mode	UNII-2C_TX AC (VHT40) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
102	5510	51.79	37.40
110	5550	51.99	37.60
134	5670	58.51	37.80

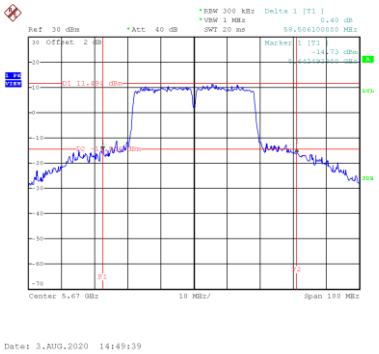
CH102



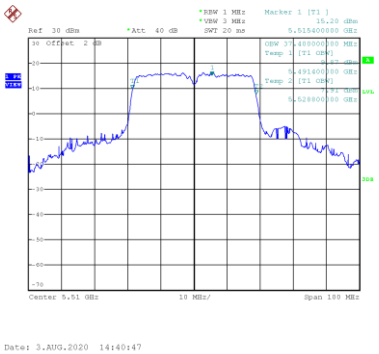
CH110

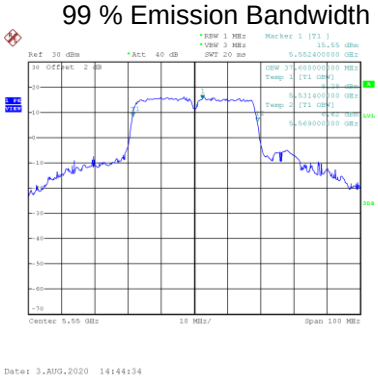


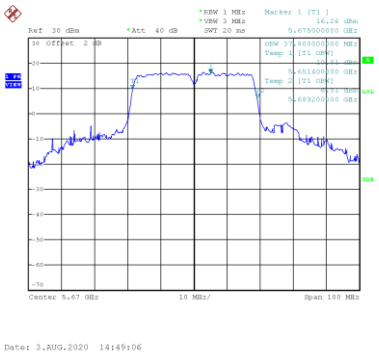
CH134



99 % Emission Bandwidth



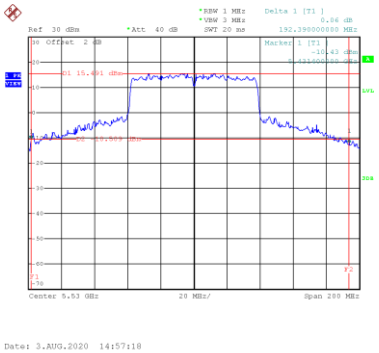




Test Mode	UNII-2C_TX AC (VHT80)

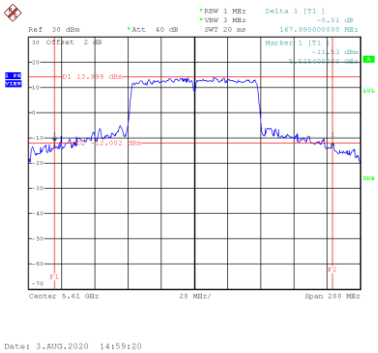
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
106	5530	192.39	100.40
122	5610	167.99	78.00

CH106



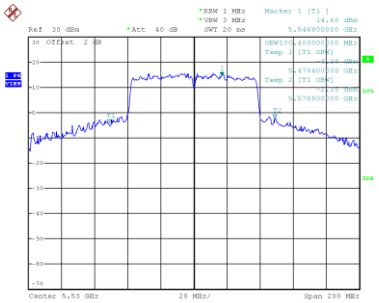
Date: 3.AUG.2020 14:57:18

CH122

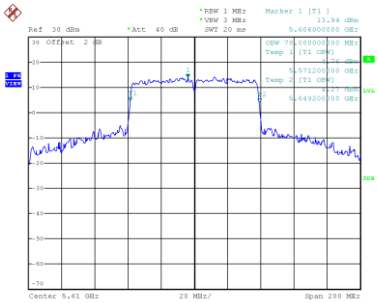


Date: 3.AUG.2020 14:59:20

99 % Emission Bandwidth



Date: 3.AUG.2020 14:56:53



Date: 3.AUG.2020 14:58:37

APPENDIX F - CONDUCTED OUTPUT POWER

For 1TX

Test Mode	UNII-2A_TX A Mode

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	21.36	0.23	21.59	24.00	0.2512	Complies
60	5300	21.68	0.23	21.91	24.00	0.2512	Complies
64	5320	20.73	0.23	20.96	24.00	0.2512	Complies

Test Mode	UNII-2C_TX A Mode

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	21.27	0.23	21.50	24.00	0.2512	Complies
116	5580	21.59	0.23	21.82	24.00	0.2512	Complies
140	5700	20.81	0.23	21.04	24.00	0.2512	Complies

For 2TX
Non-Beamforming

Test Mode	UNII-2A_TX N (HT20) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	19.35	0.23	19.58	24.00	0.2512	Complies
60	5300	19.27	0.23	19.50	24.00	0.2512	Complies
64	5320	19.38	0.23	19.61	24.00	0.2512	Complies

Test Mode	UNII-2A_TX N (HT20) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	19.39	0.23	19.62	24.00	0.2512	Complies
60	5300	19.33	0.23	19.56	24.00	0.2512	Complies
64	5320	19.33	0.23	19.56	24.00	0.2512	Complies

Test Mode	UNII-2A_TX N (HT20) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	22.61	24.00	0.2512	Complies
60	5300	22.54	24.00	0.2512	Complies
64	5320	22.59	24.00	0.2512	Complies

Test Mode	UNII-2A_TX N (HT40) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	20.01	0.80	20.81	24.00	0.2512	Complies
62	5310	18.90	0.80	19.70	24.00	0.2512	Complies

Test Mode	UNII-2A_TX N (HT40) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	19.98	0.80	20.78	24.00	0.2512	Complies
62	5310	18.88	0.80	19.68	24.00	0.2512	Complies

Test Mode	UNII-2A_TX N (HT40) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	23.80	24.00	0.2512	Complies
62	5310	22.70	24.00	0.2512	Complies

Test Mode	UNII-2C_TX N (HT20) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	18.94	0.23	19.17	24.00	0.2512	Complies
116	5580	19.42	0.23	19.65	24.00	0.2512	Complies
140	5700	19.61	0.23	19.84	24.00	0.2512	Complies

Test Mode	UNII-2C_TX N (HT20) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	18.94	0.23	19.17	24.00	0.2512	Complies
116	5580	19.40	0.23	19.63	24.00	0.2512	Complies
140	5700	19.63	0.23	19.86	24.00	0.2512	Complies

Test Mode	UNII-2C_TX N (HT20) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	22.18	24.00	0.2512	Complies
116	5580	22.65	24.00	0.2512	Complies
140	5700	22.86	24.00	0.2512	Complies

Test Mode	UNII-2C_TX N (HT40) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	17.76	0.80	18.56	24.00	0.2512	Complies
110	5550	19.33	0.80	20.13	24.00	0.2512	Complies
134	5670	20.01	0.80	20.81	24.00	0.2512	Complies

Test Mode	UNII-2C_TX N (HT40) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	17.80	0.80	18.60	24.00	0.2512	Complies
110	5550	19.36	0.80	20.16	24.00	0.2512	Complies
134	5670	19.89	0.80	20.69	24.00	0.2512	Complies

Test Mode	UNII-2C_TX N (HT40) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	21.59	24.00	0.2512	Complies
110	5550	23.15	24.00	0.2512	Complies
134	5670	23.76	24.00	0.2512	Complies

Test Mode	UNII-2A_TX AC (VHT20) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	19.67	0.13	19.80	24.00	0.2512	Complies
60	5300	19.42	0.13	19.55	24.00	0.2512	Complies
64	5320	19.57	0.13	19.70	24.00	0.2512	Complies

Test Mode	UNII-2A_TX AC (VHT20) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	19.48	0.13	19.61	24.00	0.2512	Complies
60	5300	19.42	0.13	19.55	24.00	0.2512	Complies
64	5320	19.35	0.13	19.48	24.00	0.2512	Complies

Test Mode	UNII-2A_TX AC (VHT20) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	22.72	24.00	0.2512	Complies
60	5300	22.56	24.00	0.2512	Complies
64	5320	22.60	24.00	0.2512	Complies

Test Mode	UNII-2A_TX AC (VHT40) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	20.55	0.29	20.84	24.00	0.2512	Complies
62	5310	19.51	0.29	19.80	24.00	0.2512	Complies

Test Mode	UNII-2A_TX AC (VHT40) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	20.53	0.29	20.82	24.00	0.2512	Complies
62	5310	19.33	0.29	19.62	24.00	0.2512	Complies

Test Mode	UNII-2A_TX AC (VHT40) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	23.84	24.00	0.2512	Complies
62	5310	22.73	24.00	0.2512	Complies

Test Mode	UNII-2A_TX AC (VHT80) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
58	5290	18.91	0.48	19.39	24.00	0.2512	Complies

Test Mode	UNII-2A_TX AC (VHT80) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
58	5290	18.03	0.48	18.51	24.00	0.2512	Complies

Test Mode	UNII-2A_TX AC (VHT80) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
58	5290	21.99	24.00	0.2512	Complies

Test Mode	UNII-2C_TX AC (VHT20) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	19.07	0.13	19.20	24.00	0.2512	Complies
116	5580	19.55	0.13	19.68	24.00	0.2512	Complies
140	5700	19.71	0.13	19.84	24.00	0.2512	Complies

Test Mode	UNII-2C_TX AC (VHT20) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	19.35	0.13	19.48	24.00	0.2512	Complies
116	5580	19.53	0.13	19.66	24.00	0.2512	Complies
140	5700	19.78	0.13	19.91	24.00	0.2512	Complies

Test Mode	UNII-2C_TX AC (VHT20) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	22.35	24.00	0.2512	Complies
116	5580	22.68	24.00	0.2512	Complies
140	5700	22.88	24.00	0.2512	Complies

Test Mode	UNII-2C_TX AC (VHT40) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	18.82	0.29	19.11	24.00	0.2512	Complies
110	5550	20.23	0.29	20.52	24.00	0.2512	Complies
134	5670	20.78	0.29	21.07	24.00	0.2512	Complies

Test Mode	UNII-2C_TX AC (VHT40) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	17.99	0.29	18.28	24.00	0.2512	Complies
110	5550	19.53	0.29	19.82	24.00	0.2512	Complies
134	5670	20.36	0.29	20.65	24.00	0.2512	Complies

Test Mode	UNII-2C_TX AC (VHT40) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	21.73	24.00	0.2512	Complies
110	5550	23.20	24.00	0.2512	Complies
134	5670	23.88	24.00	0.2512	Complies

Test Mode	UNII-2C_TX AC (VHT80) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	17.74	0.48	18.22	24.00	0.2512	Complies
122	5610	17.04	0.48	17.52	24.00	0.2512	Complies

Test Mode	UNII-2C_TX AC (VHT80) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	17.05	0.48	17.53	24.00	0.2512	Complies
122	5610	16.39	0.48	16.87	24.00	0.2512	Complies

Test Mode	UNII-2C_TX AC (VHT80) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	20.90	24.00	0.2512	Complies
122	5610	20.22	24.00	0.2512	Complies

For 2TX
Beamforming

Test Mode	UNII-2A_TX N (HT20) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	19.19	0.23	19.42	23.99	0.2506	Complies
60	5300	19.16	0.23	19.39	23.99	0.2506	Complies
64	5320	19.21	0.23	19.44	23.99	0.2506	Complies

Test Mode	UNII-2A_TX N (HT20) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	19.22	0.23	19.45	23.99	0.2506	Complies
60	5300	19.20	0.23	19.43	23.99	0.2506	Complies
64	5320	19.11	0.23	19.34	23.99	0.2506	Complies

Test Mode	UNII-2A_TX N (HT20) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	22.44	23.99	0.2506	Complies
60	5300	22.42	23.99	0.2506	Complies
64	5320	22.40	23.99	0.2506	Complies

Test Mode	UNII-2A_TX N (HT40) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	19.58	0.80	20.38	23.99	0.2506	Complies
62	5310	18.72	0.80	19.52	23.99	0.2506	Complies

Test Mode	UNII-2A_TX N (HT40) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	19.56	0.80	20.36	23.99	0.2506	Complies
62	5310	18.84	0.80	19.64	23.99	0.2506	Complies

Test Mode	UNII-2A_TX N (HT40) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	23.38	23.99	0.2506	Complies
62	5310	22.59	23.99	0.2506	Complies

Test Mode	UNII-2C_TX N (HT20) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	18.83	0.23	19.06	23.99	0.2506	Complies
116	5580	19.23	0.23	19.46	23.99	0.2506	Complies
140	5700	19.57	0.23	19.80	23.99	0.2506	Complies

Test Mode	UNII-2C_TX N (HT20) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	18.90	0.23	19.13	23.99	0.2506	Complies
116	5580	19.26	0.23	19.49	23.99	0.2506	Complies
140	5700	19.58	0.23	19.81	23.99	0.2506	Complies

Test Mode	UNII-2C_TX N (HT20) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	22.10	23.99	0.2506	Complies
116	5580	22.48	23.99	0.2506	Complies
140	5700	22.81	23.99	0.2506	Complies

Test Mode	UNII-2C_TX N (HT40) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	17.70	0.80	18.50	23.99	0.2506	Complies
110	5550	19.26	0.80	20.06	23.99	0.2506	Complies
134	5670	19.88	0.80	20.68	23.99	0.2506	Complies

Test Mode	UNII-2C_TX N (HT40) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	17.74	0.80	18.54	23.99	0.2506	Complies
110	5550	19.21	0.80	20.01	23.99	0.2506	Complies
134	5670	19.73	0.80	20.53	23.99	0.2506	Complies

Test Mode	UNII-2C_TX N (HT40) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	21.53	23.99	0.2506	Complies
110	5550	23.04	23.99	0.2506	Complies
134	5670	23.62	23.99	0.2506	Complies

Test Mode	UNII-2A_TX AC (VHT20) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	19.37	0.13	19.50	23.99	0.2506	Complies
60	5300	19.34	0.13	19.47	23.99	0.2506	Complies
64	5320	19.35	0.13	19.48	23.99	0.2506	Complies

Test Mode	UNII-2A_TX AC (VHT20) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	19.36	0.13	19.49	23.99	0.2506	Complies
60	5300	19.33	0.13	19.46	23.99	0.2506	Complies
64	5320	19.22	0.13	19.35	23.99	0.2506	Complies

Test Mode	UNII-2A_TX AC (VHT20) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	22.50	23.99	0.2506	Complies
60	5300	22.47	23.99	0.2506	Complies
64	5320	22.42	23.99	0.2506	Complies

Test Mode	UNII-2A_TX AC (VHT40) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	20.63	0.29	20.92	23.99	0.2506	Complies
62	5310	19.87	0.29	20.16	23.99	0.2506	Complies

Test Mode	UNII-2A_TX AC (VHT40) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	19.85	0.29	20.14	23.99	0.2506	Complies
62	5310	18.75	0.29	19.04	23.99	0.2506	Complies

Test Mode	UNII-2A_TX AC (VHT40) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	23.56	23.99	0.2506	Complies
62	5310	22.65	23.99	0.2506	Complies

Test Mode	UNII-2A_TX AC (VHT80) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
58	5290	18.75	0.48	19.23	23.99	0.2506	Complies

Test Mode	UNII-2A_TX AC (VHT80) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
58	5290	17.90	0.48	18.38	23.99	0.2506	Complies

Test Mode	UNII-2A_TX AC (VHT80) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
58	5290	21.84	23.99	0.2506	Complies

Test Mode	UNII-2C_TX AC (VHT20) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	18.96	0.13	19.09	23.99	0.2506	Complies
116	5580	19.37	0.13	19.50	23.99	0.2506	Complies
140	5700	19.79	0.13	19.92	23.99	0.2506	Complies

Test Mode	UNII-2C_TX AC (VHT20) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	19.24	0.13	19.37	23.99	0.2506	Complies
116	5580	19.35	0.13	19.48	23.99	0.2506	Complies
140	5700	19.58	0.13	19.71	23.99	0.2506	Complies

Test Mode	UNII-2C_TX AC (VHT20) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	22.24	23.99	0.2506	Complies
116	5580	22.50	23.99	0.2506	Complies
140	5700	22.83	23.99	0.2506	Complies

Test Mode	UNII-2C_TX AC (VHT40) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	18.81	0.29	19.10	23.99	0.2506	Complies
110	5550	19.99	0.29	20.28	23.99	0.2506	Complies
134	5670	20.93	0.29	21.22	23.99	0.2506	Complies

Test Mode	UNII-2C_TX AC (VHT40) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	18.01	0.29	18.30	23.99	0.2506	Complies
110	5550	19.49	0.29	19.78	23.99	0.2506	Complies
134	5670	19.97	0.29	20.26	23.99	0.2506	Complies

Test Mode	UNII-2C_TX AC (VHT40) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	21.73	23.99	0.2506	Complies
110	5550	23.05	23.99	0.2506	Complies
134	5670	23.78	23.99	0.2506	Complies

Test Mode	UNII-2C_TX AC (VHT80) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	17.59	0.48	18.07	23.99	0.2506	Complies
122	5610	17.00	0.48	17.48	23.99	0.2506	Complies

Test Mode	UNII-2C_TX AC (VHT80) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	17.00	0.48	17.48	23.99	0.2506	Complies
122	5610	16.22	0.48	16.70	23.99	0.2506	Complies

Test Mode	UNII-2C_TX AC (VHT80) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	20.80	23.99	0.2506	Complies
122	5610	20.12	23.99	0.2506	Complies

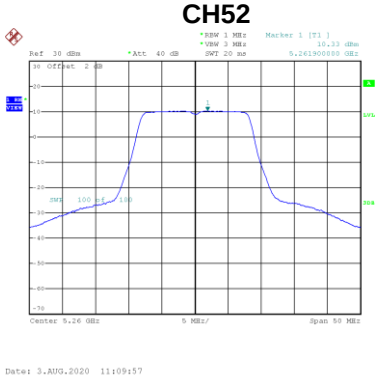
APPENDIX G - POWER SPECTRAL DENSITY

For 1TX

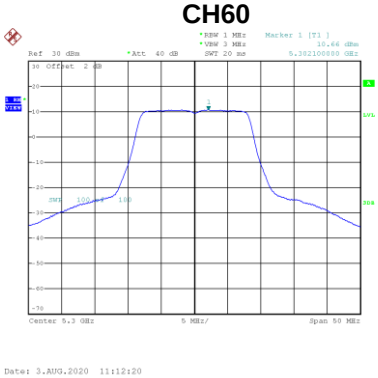
Test Mode	UNII-2A_TX A Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	10.33	0.23	10.56	11.00	Complies
60	5300	10.66	0.23	10.89	11.00	Complies
64	5320	10.55	0.23	10.78	11.00	Complies

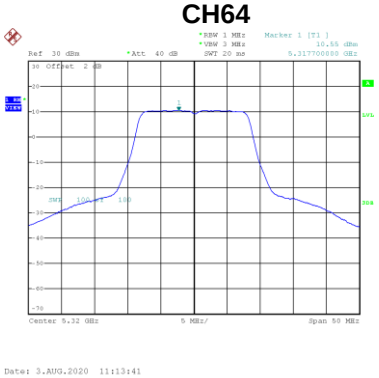
CH52



CH60



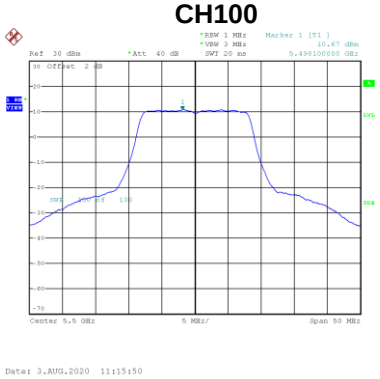
CH64



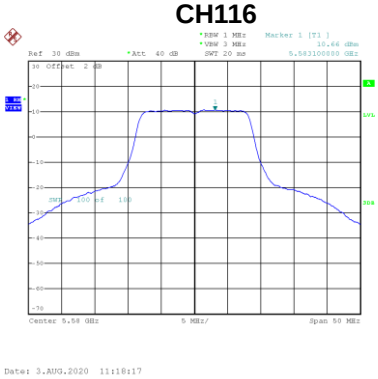
Test Mode	UNII-2C_TX A Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	10.67	0.23	10.90	11.00	Complies
116	5580	10.66	0.23	10.89	11.00	Complies
140	5700	10.59	0.23	10.82	11.00	Complies

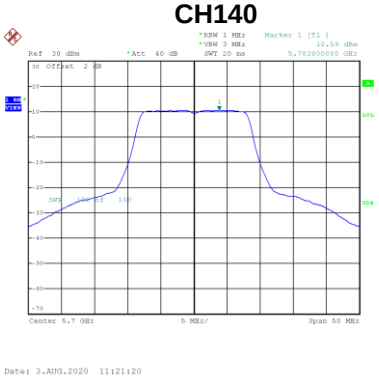
CH100



CH116



CH140

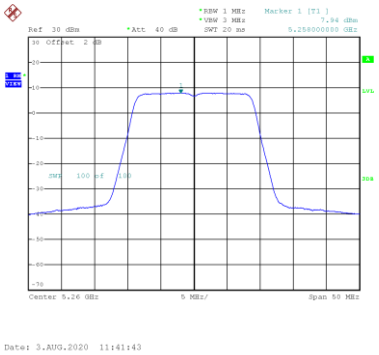


For 2TX
Non-Beamforming

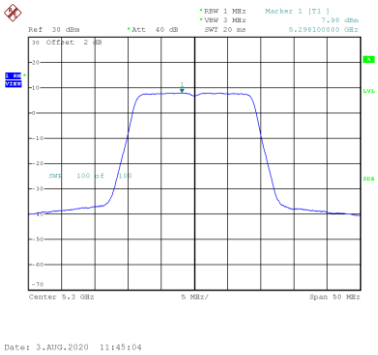
Test Mode	UNII-2A_TX AC (VHT20) Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	7.94	0.13	8.07	10.99	Complies
60	5300	7.98	0.13	8.11	10.99	Complies
64	5320	8.02	0.13	8.15	10.99	Complies

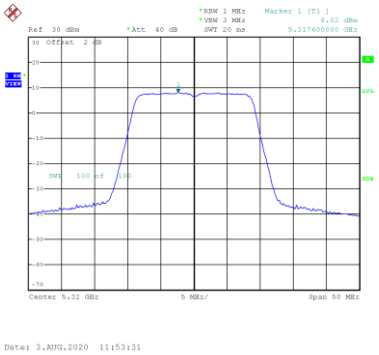
CH52



CH60



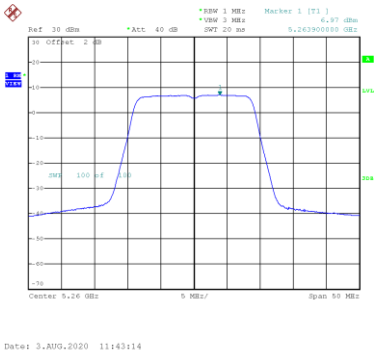
CH64



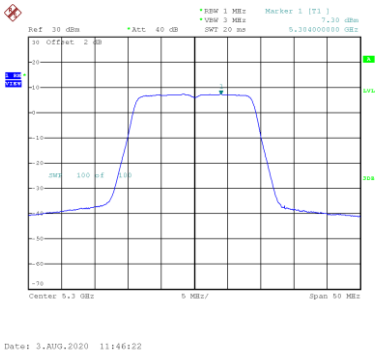
Test Mode	UNII-2A_TX AC (VHT20) Mode_Ant. 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	6.97	0.13	7.10	10.99	Complies
60	5300	7.30	0.13	7.43	10.99	Complies
64	5320	7.35	0.13	7.48	10.99	Complies

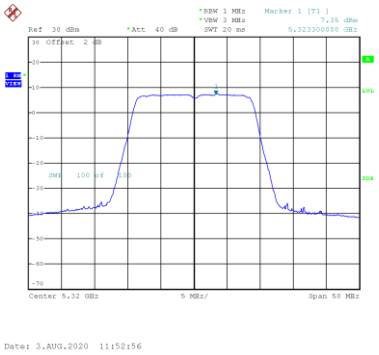
CH52



CH60



CH64



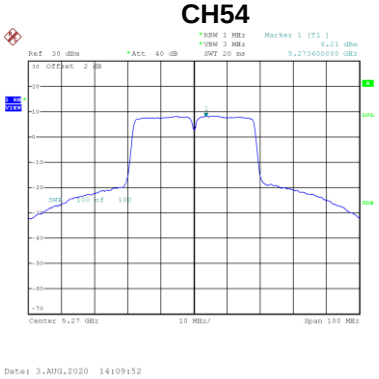
Test Mode	UNII-2A_TX AC (VHT20) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	10.62	10.99	Complies
60	5300	10.79	10.99	Complies
64	5320	10.84	10.99	Complies

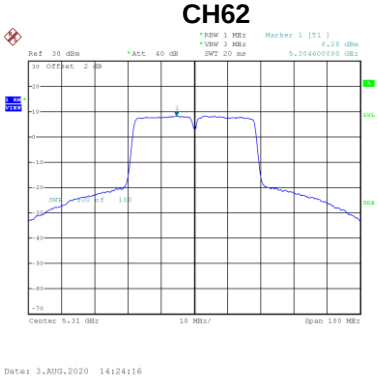
Test Mode	UNII-2A_TX AC (VHT40) Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	8.21	0.29	8.50	10.99	Complies
62	5310	8.28	0.29	8.57	10.99	Complies

CH54



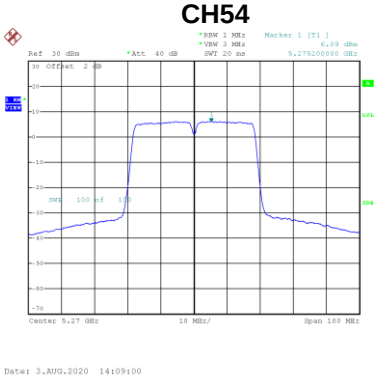
CH62



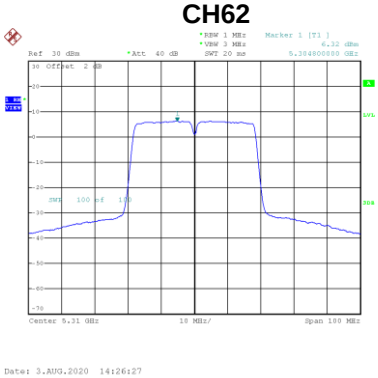
Test Mode	UNII-2A_TX AC (VHT40) Mode_Ant. 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	6.09	0.29	6.38	10.99	Complies
62	5310	6.32	0.29	6.61	10.99	Complies

CH54



CH62



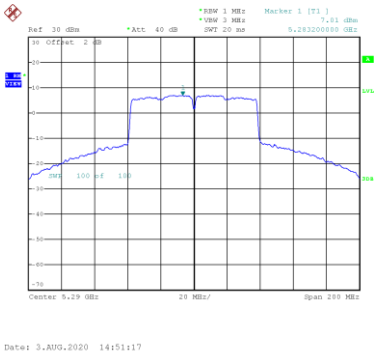
Test Mode	UNII-2A_TX AC (VHT40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	10.58	10.99	Complies
62	5310	10.71	10.99	Complies

Test Mode	UNII-2A_TX AC (VHT80) Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290	7.01	0.48	7.49	10.99	Complies

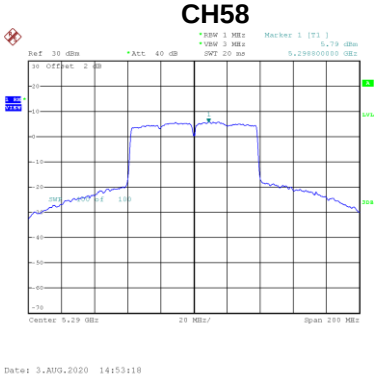
CH58



Test Mode	UNII-2A_TX AC (VHT80) Mode_Ant. 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290	5.79	0.48	6.27	10.99	Complies

CH58



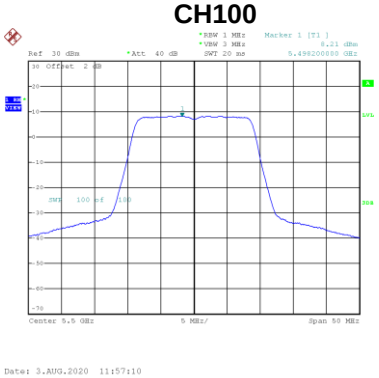
Test Mode	UNII-2A_TX AC (VHT80) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290	9.94	10.99	Complies

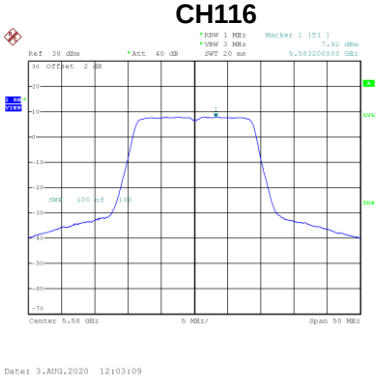
Test Mode	UNII-2C_TX AC (VHT20) Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	8.21	0.13	8.34	10.99	Complies
116	5580	7.92	0.13	8.05	10.99	Complies
140	5700	7.80	0.13	7.93	10.99	Complies

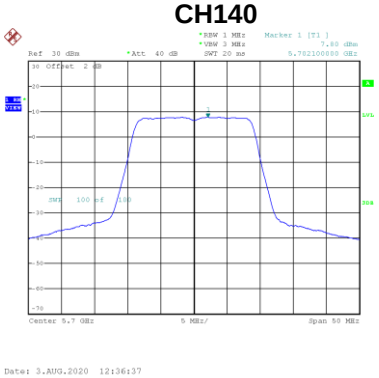
CH100



CH116



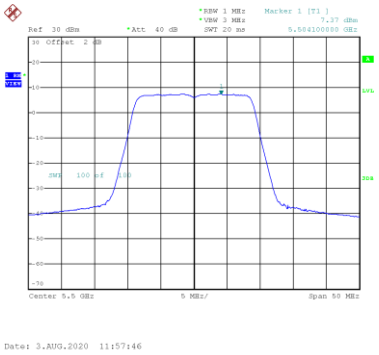
CH140



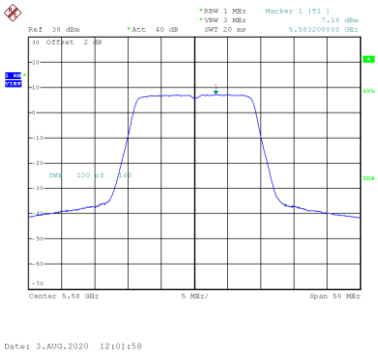
Test Mode	UNII-2C_TX AC (VHT20) Mode_Ant. 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	7.37	0.13	7.50	10.99	Complies
116	5580	7.18	0.13	7.31	10.99	Complies
140	5700	7.25	0.13	7.38	10.99	Complies

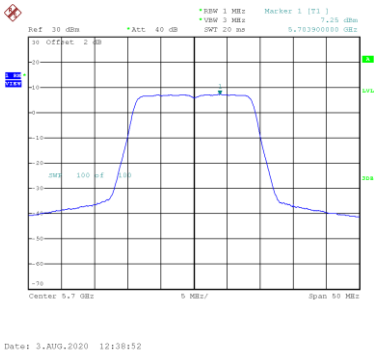
CH100



CH116



CH140



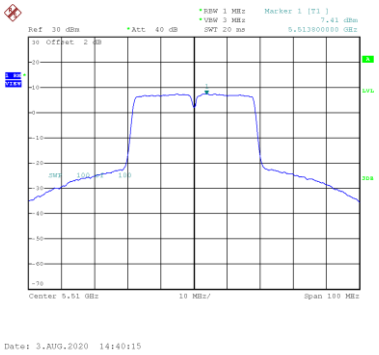
Test Mode	UNII-2C_TX AC (VHT20) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	10.95	10.99	Complies
116	5580	10.71	10.99	Complies
140	5700	10.67	10.99	Complies

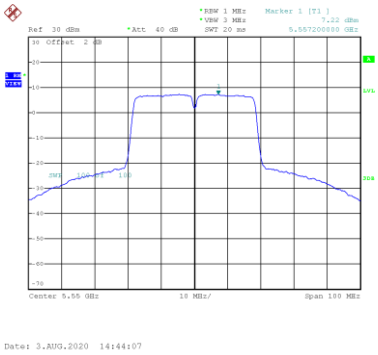
Test Mode	UNII-2C_TX AC (VHT40) Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	7.41	0.29	7.70	10.99	Complies
110	5550	7.22	0.29	7.51	10.99	Complies
134	5670	7.78	0.29	8.07	10.99	Complies

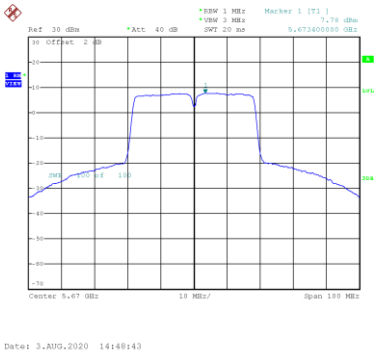
CH102



CH110



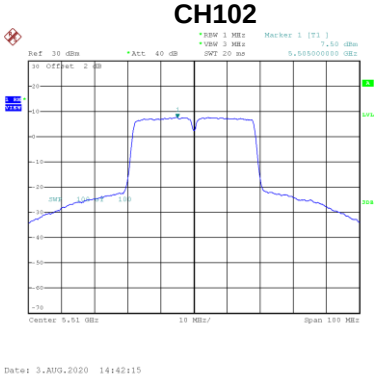
CH134



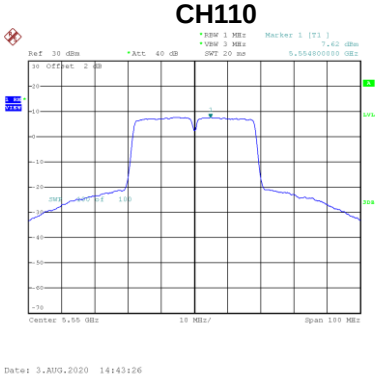
Test Mode	UNII-2C_TX AC (VHT40) Mode_Ant. 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	7.50	0.29	7.79	10.99	Complies
110	5550	7.62	0.29	7.91	10.99	Complies
134	5670	6.72	0.29	7.01	10.99	Complies

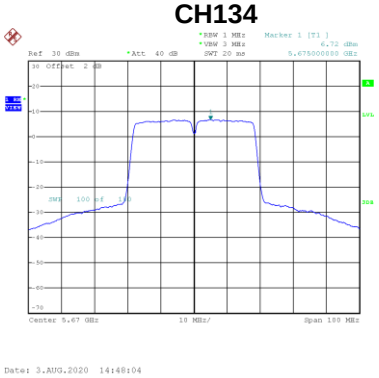
CH102



CH110



CH134



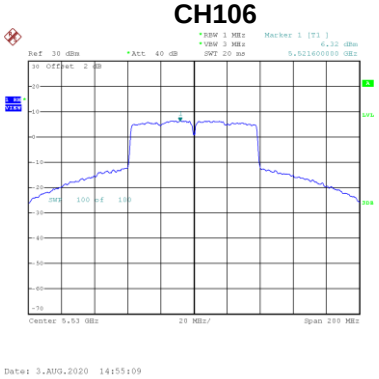
Test Mode	UNII-2C_TX AC (VHT40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	10.76	10.99	Complies
110	5550	10.73	10.99	Complies
134	5670	10.59	10.99	Complies

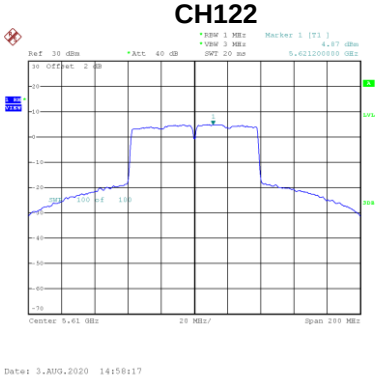
Test Mode	UNII-2C_TX AC (VHT80) Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	6.32	0.48	6.80	10.99	Complies
122	5610	4.87	0.48	5.35	10.99	Complies

CH106



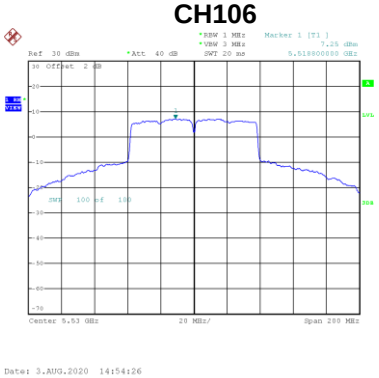
CH122



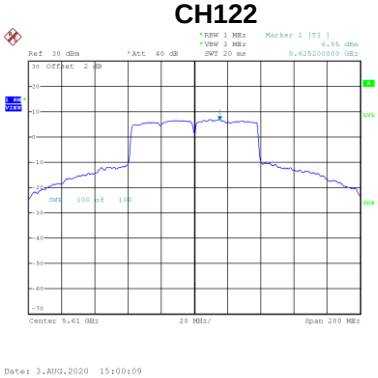
Test Mode	UNII-2C_TX AC (VHT80) Mode_Ant. 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	7.25	0.48	7.73	10.99	Complies
122	5610	6.85	0.48	7.33	10.99	Complies

CH106



CH122



Test Mode	UNII-2C_TX AC (VHT80) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	10.30	10.99	Complies
122	5610	9.47	10.99	Complies

End of Test Report