

FCCRadio Test Report

FCC ID:E2K-APL260AE

This report concerns (check one): Original Grant Class II Change

Project No. : 1410025A
Equipment : Access Point
Model Name : APL26-0AE
Applicant : Dell Inc.
Address : One Dell Way Round Rock, Texas 78682 United States

Date of Receipt : Oct. 20, 2014
Date of Test : Oct. 20, 2014 ~ Jan. 20, 2015
Issued Date : Jan. 21, 2015
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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C.**, or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

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Limitation

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

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1410025	OriginalReport	Nov. 20, 2014
BTL-FCCP-1-1410025A	Compared with the previous report(BTL-FCCP-2-1410025),the frequency bands:5250~5350&5470~5725 are added by applicantvia software configuration control which other party cannot makemodification. Only new frequency bands of test results are recorded on this report.	Jan. 21, 2015

1. CERTIFICATION

Equipment : Access Point
Brand Name : DELL
Model Name : APL26-0AE
Applicant : Dell Inc.
Date of Test : Oct. 20, 2014 ~ Jan. 20, 2015
Test Sample : ENGINEERING SAMPLE
Standard(s) : FCC Part15, Subpart E(15.407) / ANSI C63.4: 2009
FCC KDB 789033 D01 General UNII Test Procedures Old Rules v01r04.

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1410025A) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E			
Standard(s) Section	Test Item	Judgment	Remark
FCC			
15.207	AC Power Line Conducted Emissions	PASS	
15.407(a)	26dB Spectrum Bandwidth	PASS	
15.407(a)	Maximum Conducted Output Power	PASS	
15.407(a)	Power Spectral Density	PASS	
15.407(a)	Radiated Emissions	PASS	
15.407(b)	Band Edge Emissions	PASS	
15.407(g)	Frequency Stability	PASS	
15.203	Antenna Requirements	PASS	
15.407(a)	Peak Excursion	PASS	

NOTE:

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

2.1 TEST FACILITY

The test facilities used to collect the test data in this report:

Conducted emission Test:

C02: FCC RN: 614388; FCC DN: TW1054
1F., No. 61, Ln. 77, Sing-ai Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

Radiated emission Test (Below 1 GHz):

CB08: FCC RN: 614388; FCC DN: TW1054
1F., No. 61, Ln. 77, Sing-ai Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

Radiated emission Test (Above 1 GHz):

CB08: FCC RN: 614388; FCC DN: TW1054
1F., No. 61, Ln. 77, Sing-ai Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

2.2 MEASUREMENT UNCERTAINTY

The measurement uncertainty is not specified by FCC rules and for reference only.

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2.

A. Conducted emission test:

Test Site	Measurement Frequency Range	U, (dB)	NOTE
C02	150 kHz~30 MHz	2.59	

B. Radiated emission test:

Test Site	Item	Measurement Frequency Range	Uncertainty	NOTE	
CB08	Radiated emission at 3m	Horizontal Polarization	30 - 200MHz	3.35 dB	
			200 - 1000MHz	3.11 dB	
			1 - 18GHz	3.97 dB	
			18 - 40GHz	4.01 dB	
		Vertical Polarization	30 - 200MHz	3.22 dB	
			200 - 1000MHz	3.24 dB	
			1 - 18GHz	4.05 dB	
			18 - 40GHz	4.04 dB	

Our calculated Measurement Instrumentation Uncertainty is shown in the tables above. These are our U_{lab} values in CISPR 16-4-2 terminology.

Since Table 1 of CISPR 16-4-2 has values of measurement instrumentation uncertainty, called U_{CISPR} , as follows:

Conducted Disturbance (mains port) – 150 kHz – 30 MHz: 3.6 dB

Radiated Disturbance (electric field strength on an open area test site or alternative test site) – 30 MHz – 1000 MHz: 5.2 dB

It can be seen that our U_{lab} values are smaller than U_{CISPR} .

If U_{lab} is less than or equal to U_{CISPR} , then:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

If U_{lab} is greater than U_{CISPR} , then:

- compliance is deemed to occur if no measured disturbance level, increased by $(U_{lab} - U_{CISPR})$, exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level, increased by $(U_{lab} - U_{CISPR})$, exceeds the disturbance limit.

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Access Point	
Brand Name	DELL	
Model Name	APL26-0AE	
Mode Different	N/A	
Product Description	Operation Frequency	UNII-2A: 5250-5350MHz UNII-2C: 5470-5725MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	1750Mbps/850+Mbps
	Output Power (Max.)for UNII-2A	802.11a:19.33dBm 802.11n (20M): 20.09dBm 802.11n (40M): 20.21dBm 802.11ac (20M): 18.04dBm 802.11ac (40M): 18.79dBm 802.11ac (80M): 21.39dBm
	Output Power (Max.)for UNII-2C	802.11a:18.66dBm 802.11n (20M): 19.45dBm 802.11n (40M): 18.05dBm 802.11ac (20M): 15.95dBm 802.11ac (40M): 19.08dBm 802.11ac (80M): 18.59dBm
Power Source	#1 DC voltage supplied from AC/DC adapter. #2 Supplied from PoE.	
Power Rating	#1 (1) AMIGO, AMS117-1202000F2 I/P: AC 100-240V~50/60Hz 0.8A Max / O/P: DC 12V 2.0A (2) SUNNY COMPUTER TECHNOLOGY CO., LTD. SYS1544-2412-T3 I/P: AC 100-240V~1.0A MAX 50-60Hz / O/P: DC +12V 2.0A #2 I/P: DC48-55V	

Note:




- For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2. Channel List:

802.11a 802.11n 20MHz 802.11ac 20MHz		802.11n 40MHz 802.11ac 40MHz		802.11ac 80MHz	
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				

802.11a 802.11n 20MHz 802.11ac 20MHz		802.11n 40MHz 802.11ac 40MHz		802.11ac 80MHz	
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	138	5690
108	5540	134	5670		
112	5560				
116	5580				
132	5660				
136	5680				
140	5700				

3. Antenna Specification:

Ant.	Brand	Part NO.	Antenna Type	Connector	Gain (dBi)	Note
4		C147-510905B	Dipole	Reversed TNC	5.89	TX/RX
5		C147-510905B	Dipole	Reversed TNC	5.89	TX/RX
6		C147-510905B	Dipole	Reversed TNC	5.89	TX/RX

Note: The EUT incorporates a MIMO function. Physically, the EUT provides three completed three transmitters and receivers (3T3R) the EUT with CDD function, then, Direction gain = GANT+Array Gain, the Array gain= $10\log(NANT/NSS)$. that is Array gain= $10\log(3/1)=4.77$, Directional gain= $5.89+4.77=10.66$. So the PSD of a mode Limit= $11-10.66+6=6.34$

4.

Operating Mode	3TX
TX Mode	
802.11a	V (ANT 4 + ANT 5+ANT 6)
802.11n(20MHz)	V (ANT 4 + ANT 5+ANT 6)
802.11n(40MHz)	V (ANT 4 + ANT 5+ANT 6)
802.11ac (20MHz)	V (ANT 4 + ANT 5+ANT 6)
802.11ac (40MHz)	V (ANT 4 + ANT 5+ANT 6)
802.11ac (80MHz)	V (ANT 4 + ANT 5+ANT 6)

3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Test Mode	Description
Mode 1	TX A Mode/ CH52, CH60, CH64 (UNII-2A)
Mode 2	TX N20 Mode/ CH52, CH60, CH64 (UNII-2A)
Mode 3	TX N40 Mode/ CH54, CH62 (UNII-2A)
Mode 4	TX AC20 Mode/ CH52, CH60, CH64 (UNII-2A)
Mode 5	TX AC40 Mode/ CH54, CH62 (UNII-2A)
Mode 6	TX AC80 Mode / CH58 (UNII-2A)
Mode 7	TX A Mode/ CH100, CH116, CH140 (UNII-2C)
Mode 8	TX N20 Mode/ CH100, CH116, CH140 (UNII-2C)
Mode 9	TX N40 Mode/CH102, CH110, CH134(UNII-2C)
Mode 10	TX AC20 Mode/ CH100, CH116, CH140 (UNII-2C)
Mode 11	TX AC40 Mode/CH102, CH110, CH134(UNII-2C)
Mode 12	TX AC80 Mode / CH106 (UNII-2C)
Mode 13	TX Mode

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

For Conducted Test	
Final Test Mode	Description
Mode 13	TX Mode

For Radiated Test	
Final Test Mode	Description
Mode 1	TX A Mode/ CH52, CH60, CH64 (UNII-2A)
Mode 2	TX N20 Mode/ CH52, CH60, CH64 (UNII-2A)
Mode 3	TX N40 Mode/ CH54, CH62 (UNII-2A)
Mode 4	TX AC20 Mode/ CH52, CH60, CH64 (UNII-2A)
Mode 5	TX AC40 Mode/ CH54, CH62 (UNII-2A)
Mode 6	TX AC80 Mode / CH58 (UNII-2A)
Mode 7	TX A Mode/ CH100, CH116, CH140 (UNII-2C)
Mode 8	TX N20 Mode/ CH100, CH116, CH140 (UNII-2C)
Mode 9	TX N40 Mode/CH102, CH110, CH134(UNII-2C)
Mode 10	TX AC20 Mode/ CH100, CH116, CH140 (UNII-2C)
Mode 11	TX AC40 Mode/CH102, CH110, CH134(UNII-2C)
Mode 12	TX AC80 Mode / CH106 (UNII-2C)

Note: For Radiated Below 1G test, the 802.11a mode is found to be the worst case and recorded.

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product

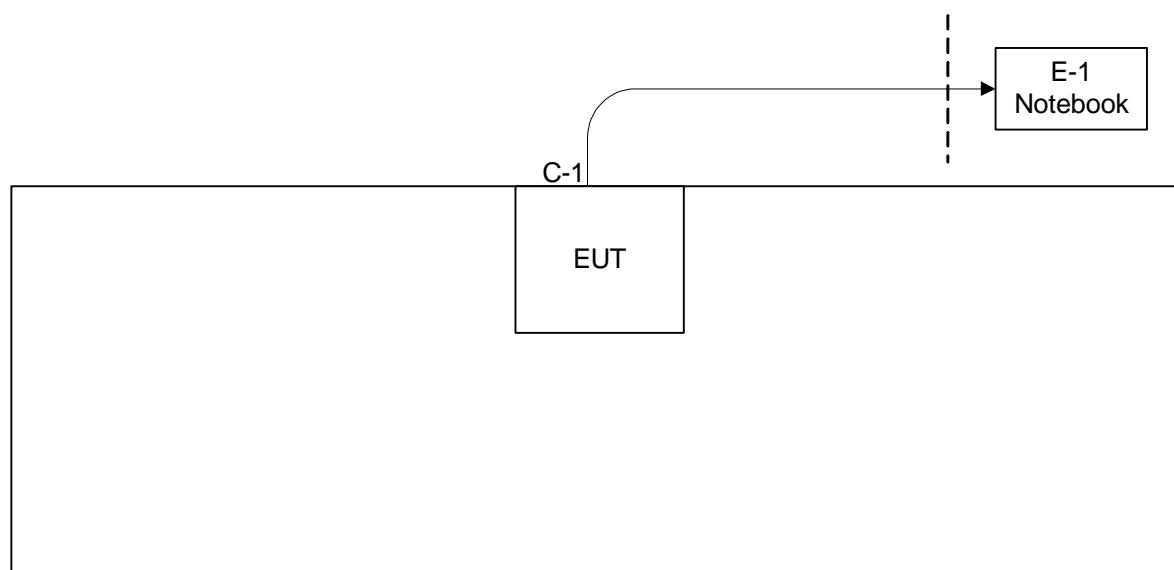
UNII-2A			
Test Software Version	Artgui		
Frequency (MHz)	5260	5300	5320
A Mode	15.5	15.5	14
N20 Mode	16	16	15.5
Frequency (MHz)	5270	5310	
N40 Mode	16.5	13	

UNII-2C			
Test Software Version	Artgui		
Frequency (MHz)	5500	5580	5700
A Mode	14	11.5	14
N20 Mode	15	12.5	15
Frequency (MHz)	5510	5550	5670
N40 Mode	13	10.5	12

UNII-2A			
Test Software Version	Artgui		
Frequency (MHz)	5260	5300	5320
AC20 Mode	14	14	14
Frequency (MHz)	5270	5310	
AC40 Mode	15	13.5	
Frequency (MHz)	5290		
AC80 Mode	15		

UNII-2C			
Test Software Version	Artgui		
Frequency (MHz)	5500	5580	5700
AC20 Mode	11	10.5	11.5
Frequency (MHz)	5510	5550	5670
AC40 Mode	14.5	14	15.5
Frequency (MHz)	5530		
AC80 Mode	13		

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID/IC	Series No.	Note
E-1	Notebook PC	DELL	PP18L	DOC	PF329 A01	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	10m	RJ-45 Cable

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

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.

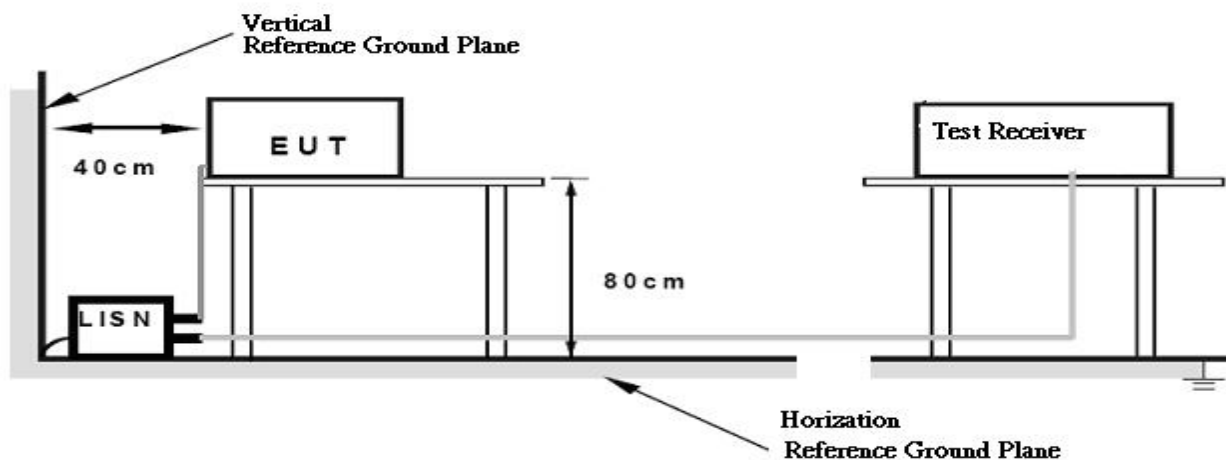
4.1.2 TEST PROCEDURE

- 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 equipments 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 groundplane 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.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TESTSETUP



4.1.5 EUT OPERATING 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 mode.

4.1.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

4.1.7 TEST RESULTS

Please refer to the Attachment A.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of 『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a "*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

20dBc in any 100 kHz bandwidth outside the operating frequency band. 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.

Frequencies (MHz)	Field Strength (micorvolts/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

Note:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequencies (MHz)	EIRP Limit (dBm)	Equivalent Field Strength at 3m (dBμV/m)
5250-5350	-27	68.3
5470-5725	-27	68.3

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

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

4.2.2 TESTPROCEDURE

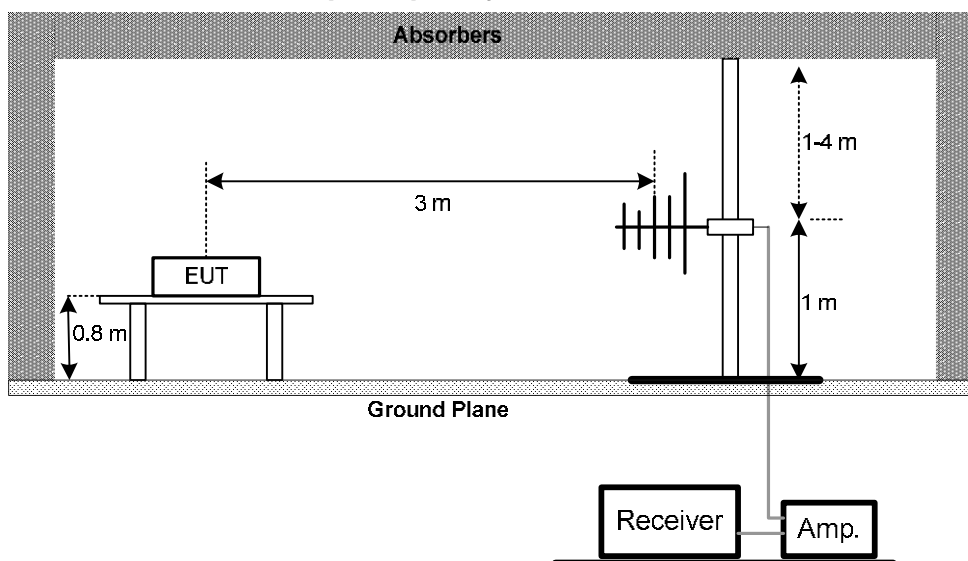
- a. The measuring distance of at 3m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; 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. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

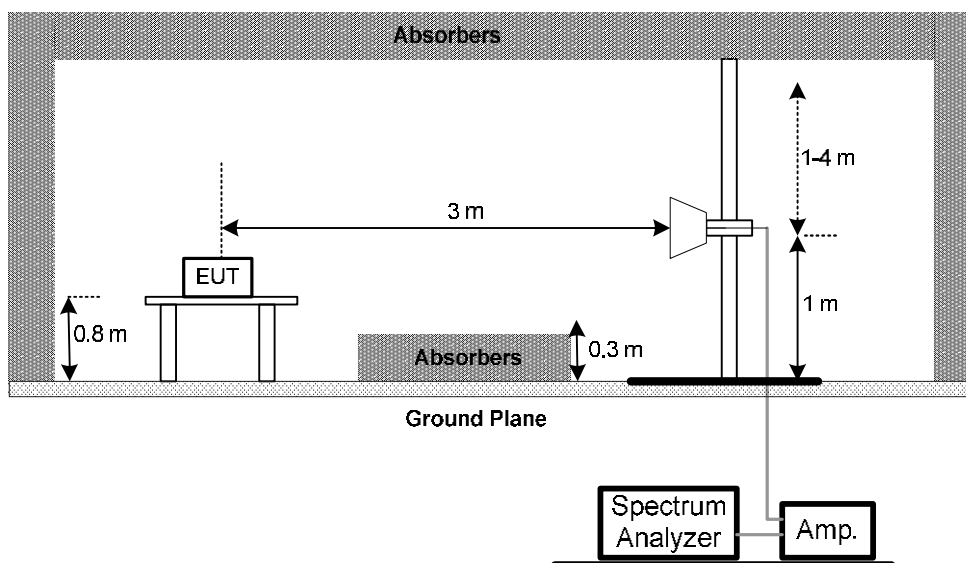
No deviation

4.2.4 TESTSETUP

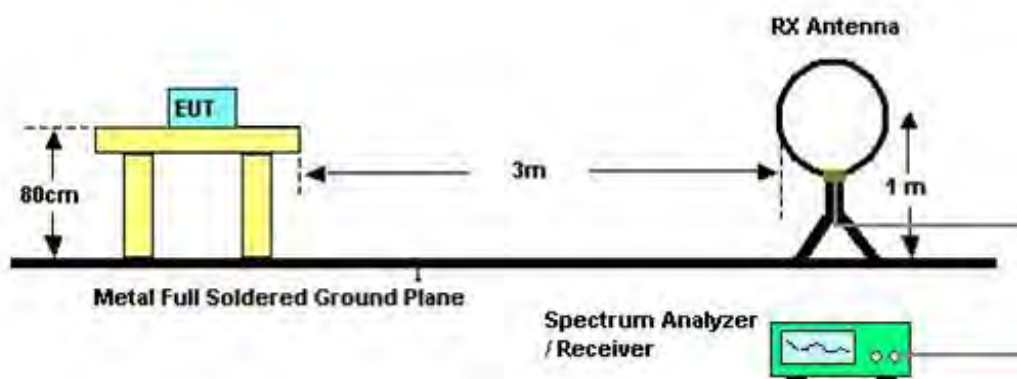
(A) Radiated Emission Test Set-Up Frequency 30 - 1000MHz



(B) Radiated Emission Test Set-Up Frequency Above 1 GHz



(C) Radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing.

4.2.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

4.2.7 TEST RESULTS (9K TO 30MHz)

Please refer to the Attachment 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.

4.2.8 TEST RESULTS(BETWEEN30 TO 1000 MHz)

Please refer to the Attachment C.

Remark:

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Modewith Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz ◦
- (2) 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 ◦
- (3) Measuring frequency range from 30MHz to 1000MHz ◦
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table ◦

4.2.9 TEST RESULTS (ABOVE1000 MHz)

Please refer to the Attachment D.

Remark:

- (1) Spectrum Setting: 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated AV in column of 『Note』 . Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) Data of measurement within this frequency range shown “ * ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axes:
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (7) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.
- (8) No limit:This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5.26dB SPECTRUM BANDWIDTH

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Bandwidth	26 dB Bandwidth	5250-5350	PASS
		5470-5725	PASS

5.1.1 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 Parameters	Setting
Attenuation	Auto
Span Frequency	> 26dB Bandwidth
RBW	300 kHz
VBW	1000 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Conducted Output Power	250mW (24dBm)	5250-5350	PASS
		5470-5725	PASS

6.1.1 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,

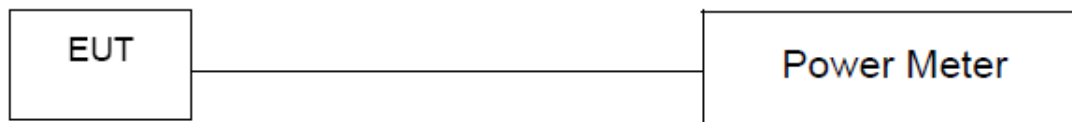
b.

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

c. Test was performed in accordance with method of KDB 789033 D02.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP**6.1.4 EUT OPERATION CONDITIONS**

The EUT tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing.

6.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7.ANTENNA CONDUCTED SPURIOUS EMISSION

7.1APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Antenna conducted Spurious Emission	-27dBm/MHz	5250-5350	PASS
		5470-5725	PASS

7.1.1TEST PROCEDURE

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

b.

Spectrum Parameter	Setting
Attenuation	Auto
RBW	1000kHz
VBW	1000kHz
Trace	Max Hold
Sweep Time	Auto

7.1.2DEVIATION FROM STANDARD

No deviation.

7.1.3TEST SETUP



7.1.4EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing.

7.1.5EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

7.1.6TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Power Spectral Density	11dBm/MHz	5250-5350	PASS
		5470-5725	PASS

8.1.1 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 Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) ofthe signal
RBW	= 1MHz.
VBW	≥ 3MHz.
Detector	RMS
Trace	Max Hold
Sweep Time	Auto

8.1.1 DEVIATION FROM STANDARD

No deviation.

8.1.2 TEST SETUP



8.1.3 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing.

8.1.4 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

8.1.5 TEST RESULTS

Please refer to the Attachment H.

9.FREQUENCY STABILITY MEASUREMENT

9.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Frequency Stability	Specified in the user's manual	5250-5350	PASS
		5470-5725	PASS

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

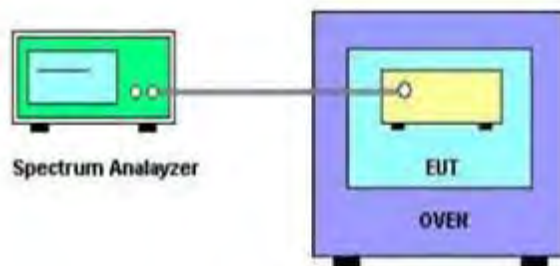
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is 0°C~50°C.

9.1.2 DEVIATION FROM STANDARD

No deviation.

9.1.3 TEST SETUP



9.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing.

9.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

9.1.6 TEST RESULTS

Please refer to the Attachment I.

10. PEAK EXCURSION MEASUREMENT

10.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Peak Excursion Measurement	13 dB	5250 - 5350	PASS
		5470 - 5725	PASS

10.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP_40	100129	Nov.26.2013

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

All calibration period of Equipment List is One Year.

10.1.2 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 Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RB	1000 kHz (Peak Trace) / 1000 kHz (Average Trace)
VB	3000kHz (Peak Trace) / 3000 kHz (Average Trace)
Detector	Peak (Peak Trace) / RMS (Average Trace)
Trace	Max Hold
Sweep Time	60s

c. Peak Trace: Set RBW = 1 MHz, VBW \geq 3 MHz with peak detector and maxhold settings.

d. AverageTrace: set RBW = 1 MHz, VBW = 3 MHz with RMS detector and trace average across 100 traces in power averaging mode.

10.1.3 DEVIATION FROM STANDARD

No deviation.

10.1.4 TEST SETUP**10.1.5 EUT OPERATION CONDITIONS**

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

10.1.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

10.1.7 TEST RESULTS

Please refer to the Attachment J.

11. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	R&S	ENV216	100087	Dec. 7, 2015
2	Test Cable	TIMES	CFD300-NL	C01	Jun. 15, 2015
3	EMI Test Receiver	R&S	ESCI	100082	Apr. 13, 2015
4	Measurement Software	EZ	EZ EMC (Version NB-02A)	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-30	100854	Oct. 26, 2015
2	Horn Antenna	Schwarzbeck	BBHA 9120	D-325	Jun. 12, 2015
3	Microwave Pre_amplifier	Agilent	8449B	3008A01714	Apr. 15, 2015
4	Microflex Cable	Harbour industries	27478LL142	1m	May. 12, 2015
5	Microflex Cable	EMC	S104-SMA	8m	May. 14, 2015
6	Microflex Cable	Harbour industries	27478LL142	3m	May. 12, 2015
7	Test Cable	LMR	LMR-400	12m	May. 13, 2015
8	Test Cable	LMR	LMR-400	3m	May. 13, 2015
9	Pre-Amplifier	Anritsu	MH648A	M92649	Jun. 17, 2015
10	Log-Bicon Antenna	Schwarzbeck	VULB9168-352	9168-352	July. 9, 2015

Spectrum Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-30	100854	Oct. 26, 2015

Maximum Conducted Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-30	100854	Oct. 26, 2015

Antenna Conducted Spurious Emission Measurement

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-30	100854	Oct. 26, 2015

Power Spectral Density Measurement

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-30	100854	Oct. 26, 2015

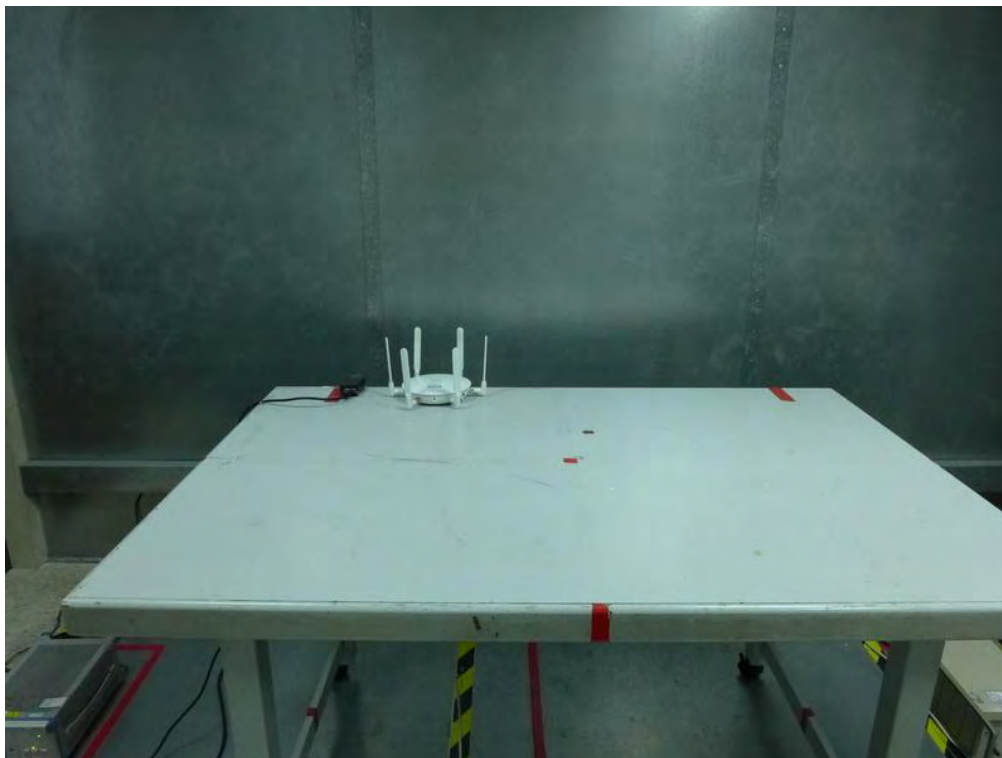
Frequency Stability Measurement

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-30	100854	Oct. 26, 2015

Remark: "N/A" denotes no model name, serial no. or calibration specified.
 All calibration period of equipment list is one year.

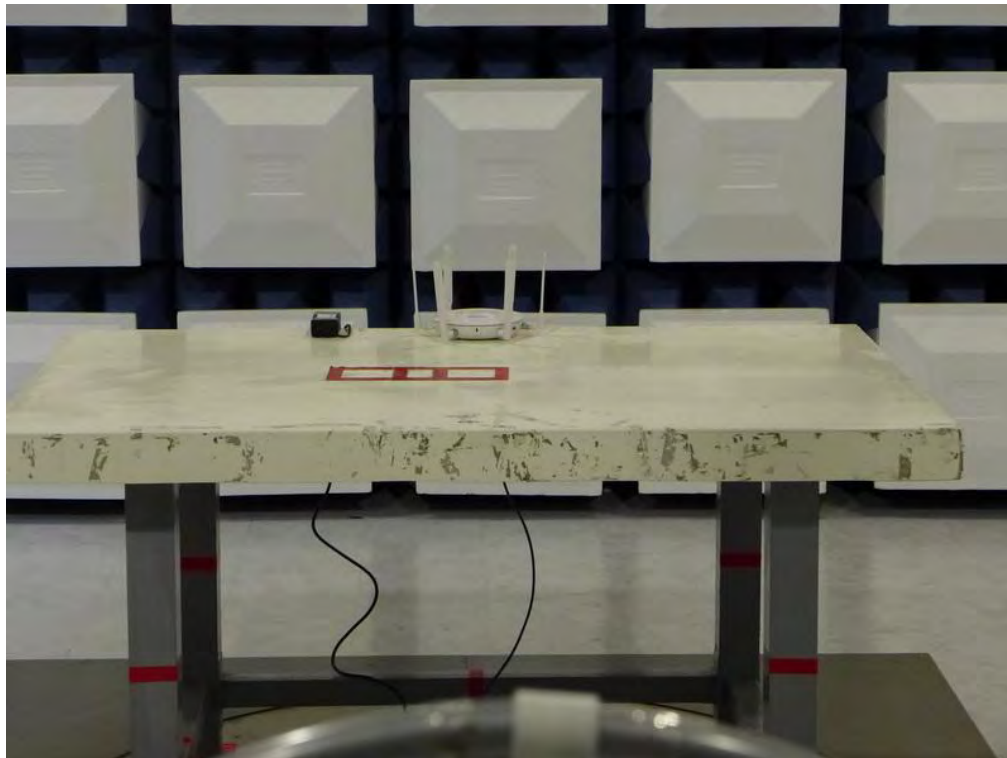
12.EUT TEST PHOTOS**Conducted Measurement Photos
AMIGO, AMS117-1202000F2**

**Conducted Measurement Photos
SUNNY, SYS1544-2412-T3**



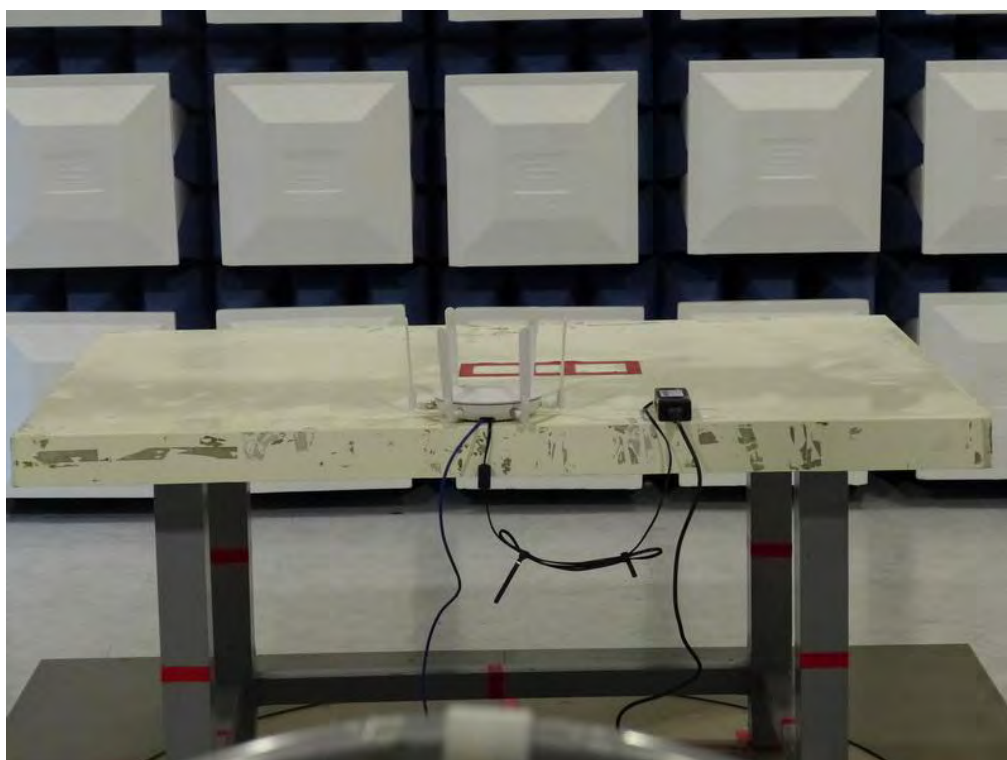
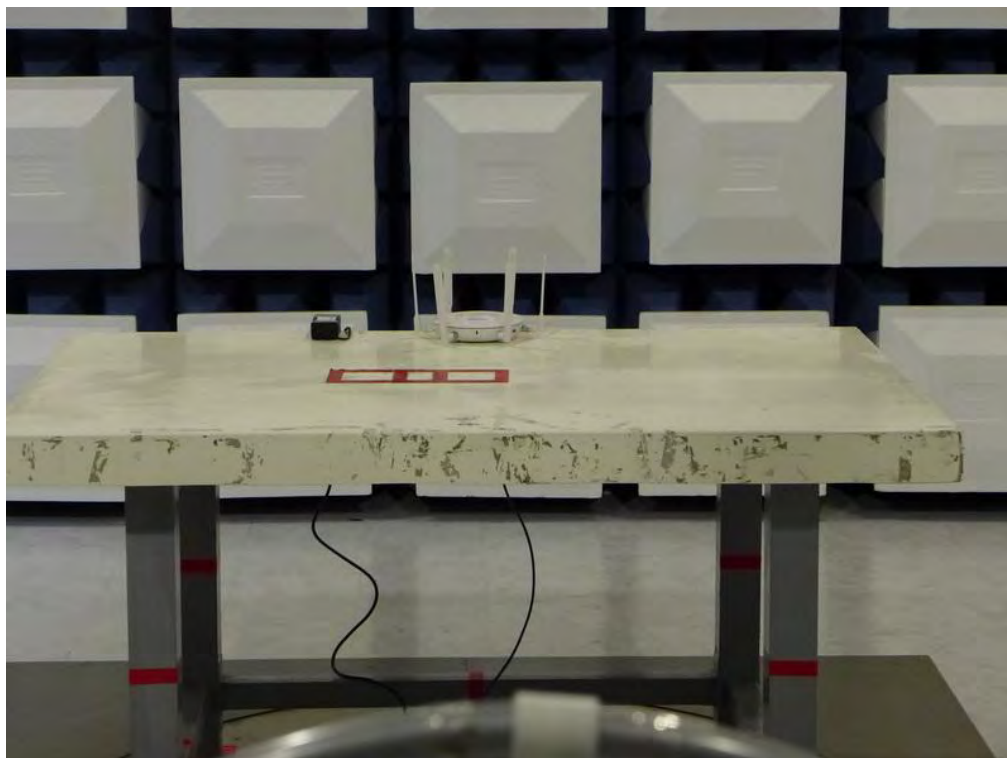
Radiated Measurement Photos

9KHz to 30MHz-AMIGO, AMS117-1202000F2



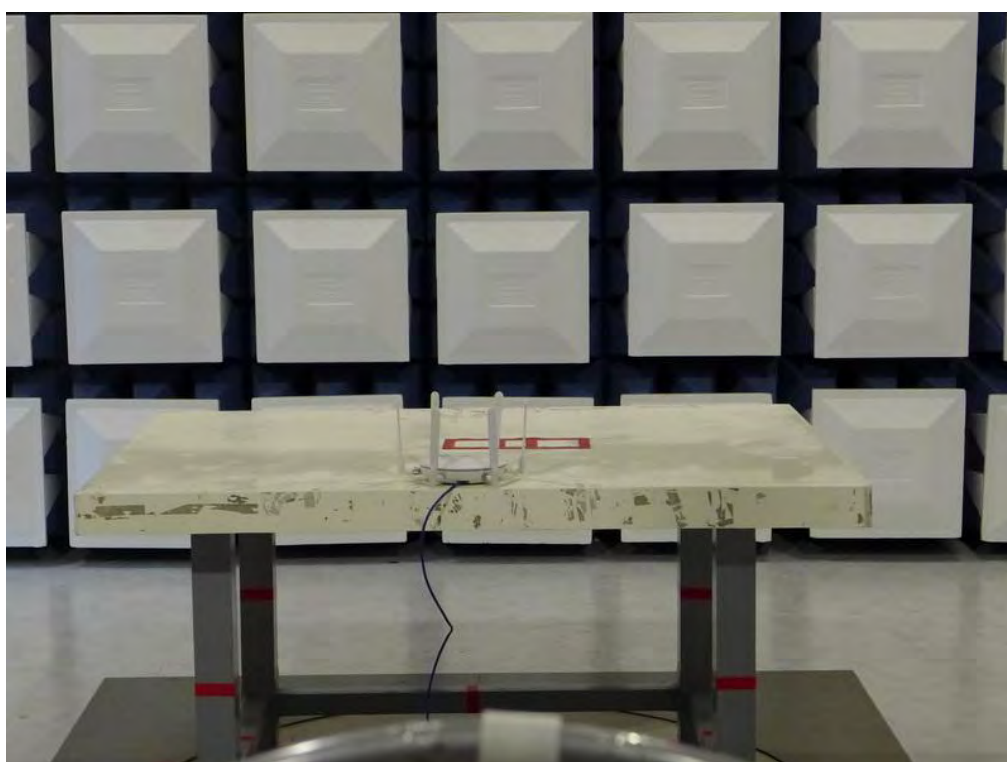
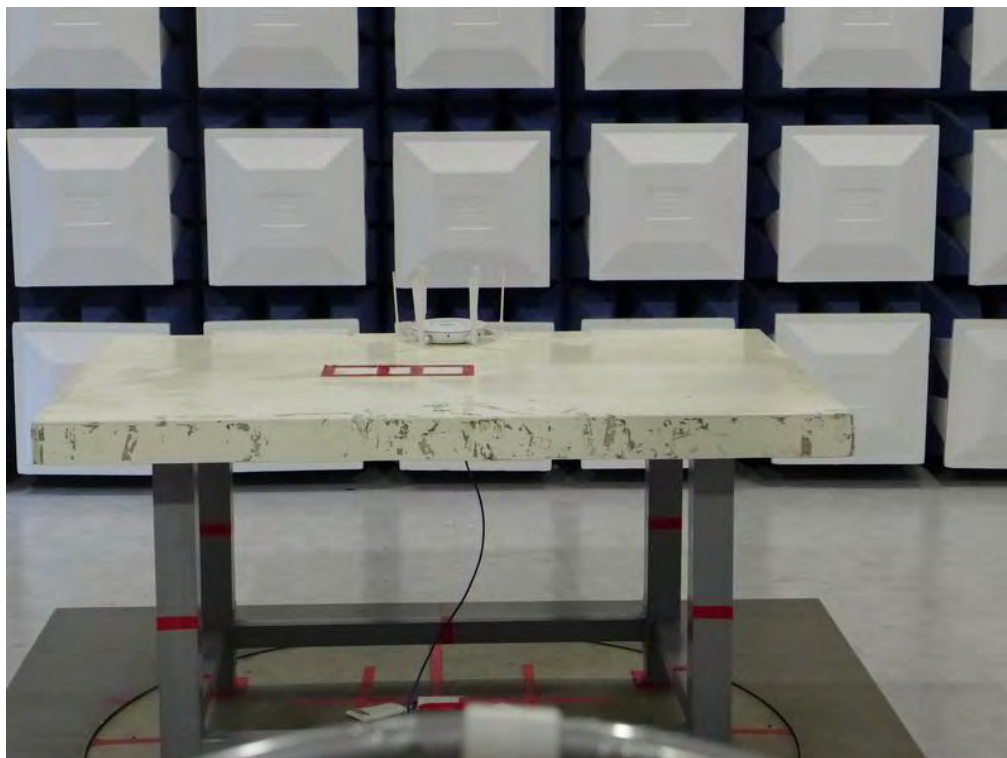
Radiated Measurement Photos

9KHz to 30MHz-SUNNY, SYS1544-2412-T3



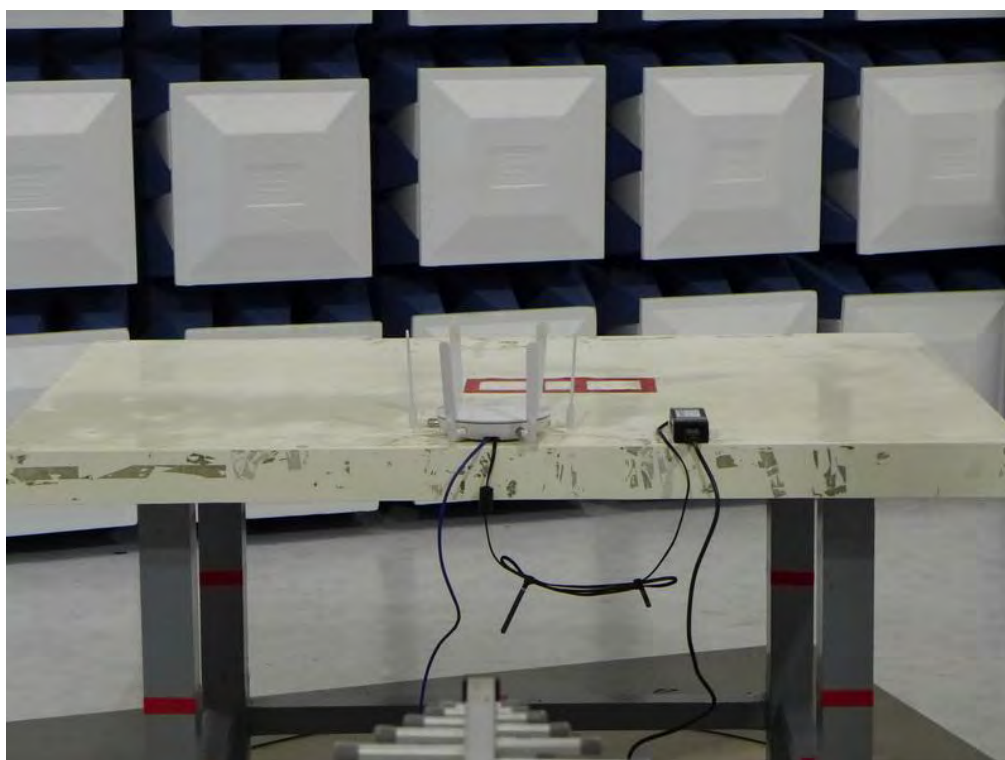
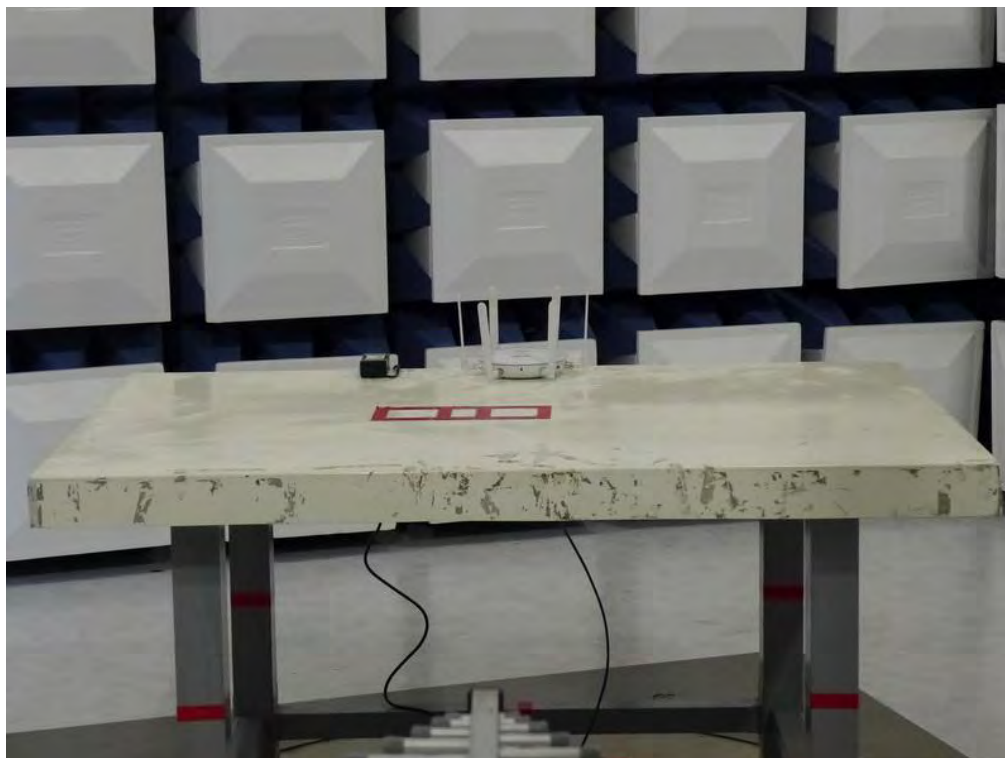
Radiated Measurement Photos

9KHz to 30MHz-PoE



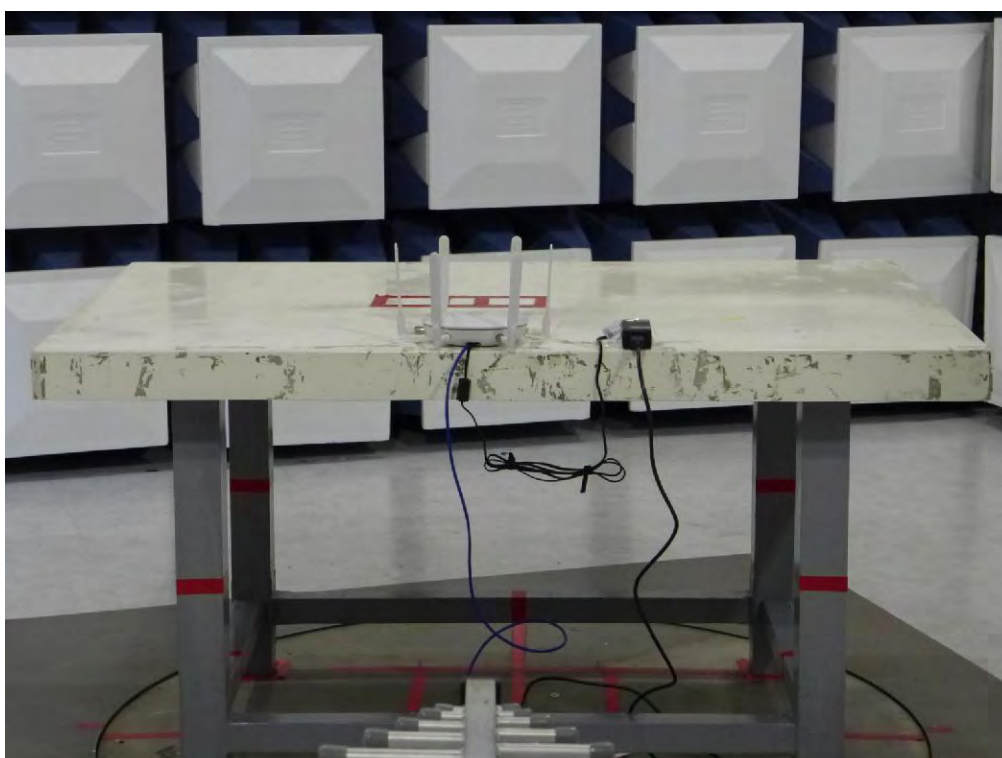
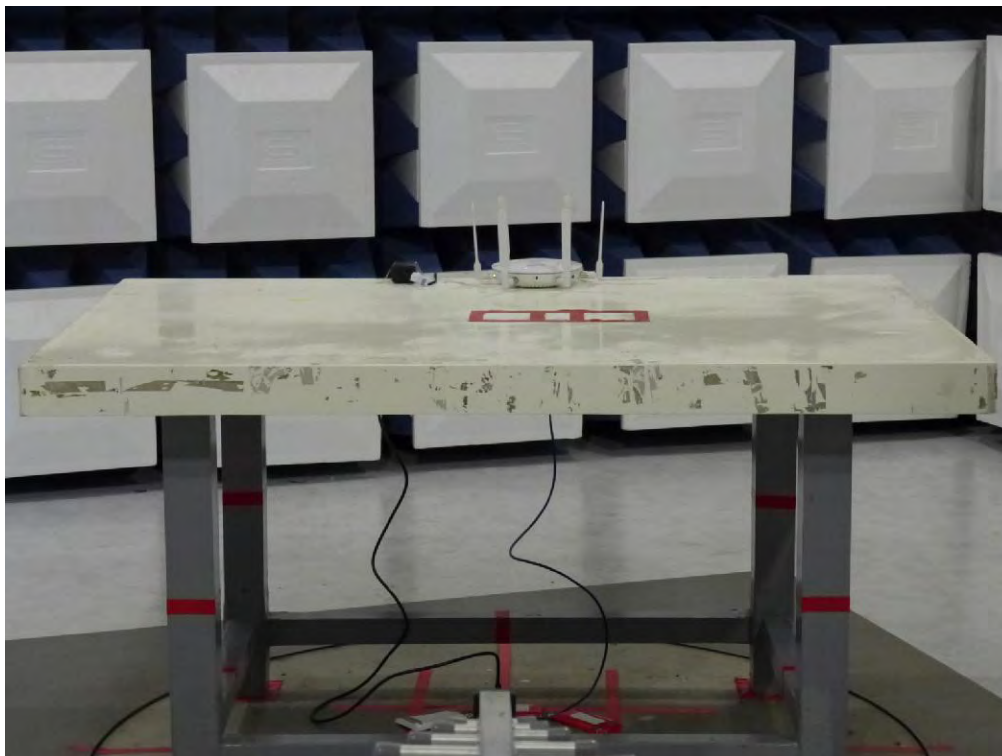
Radiated Measurement Photos

30MHz to 1000MHz-AMIGO, AMS117-1202000F2



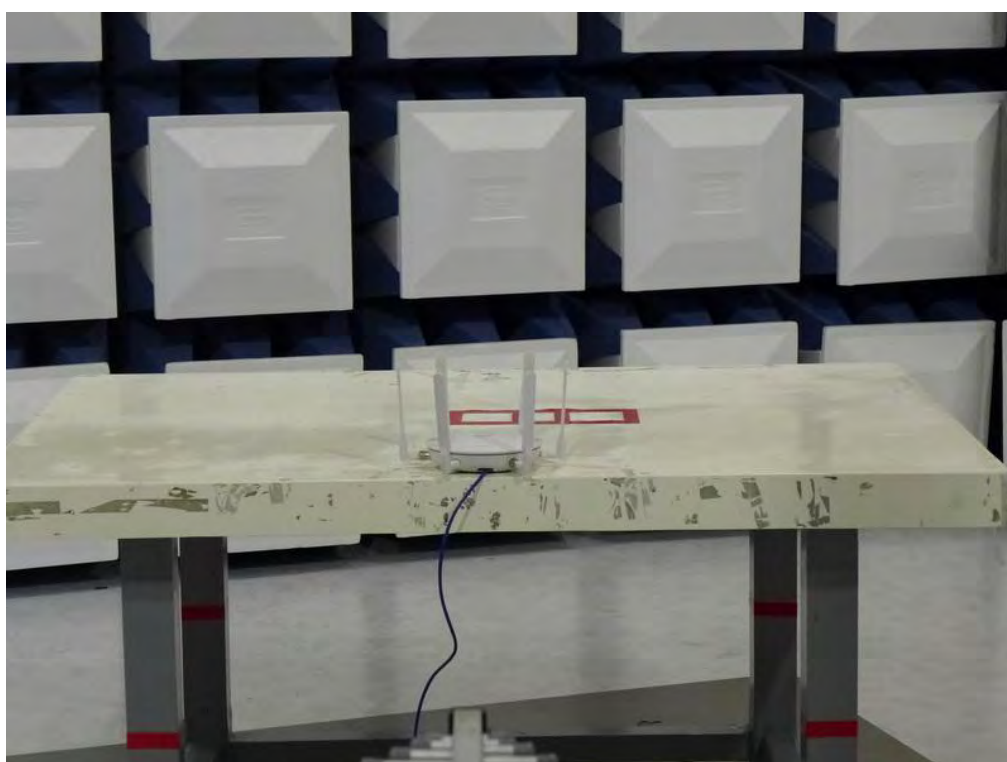
Radiated Measurement Photos

30MHz to 1000MHz-SUNNY, SYS1544-2412-T3



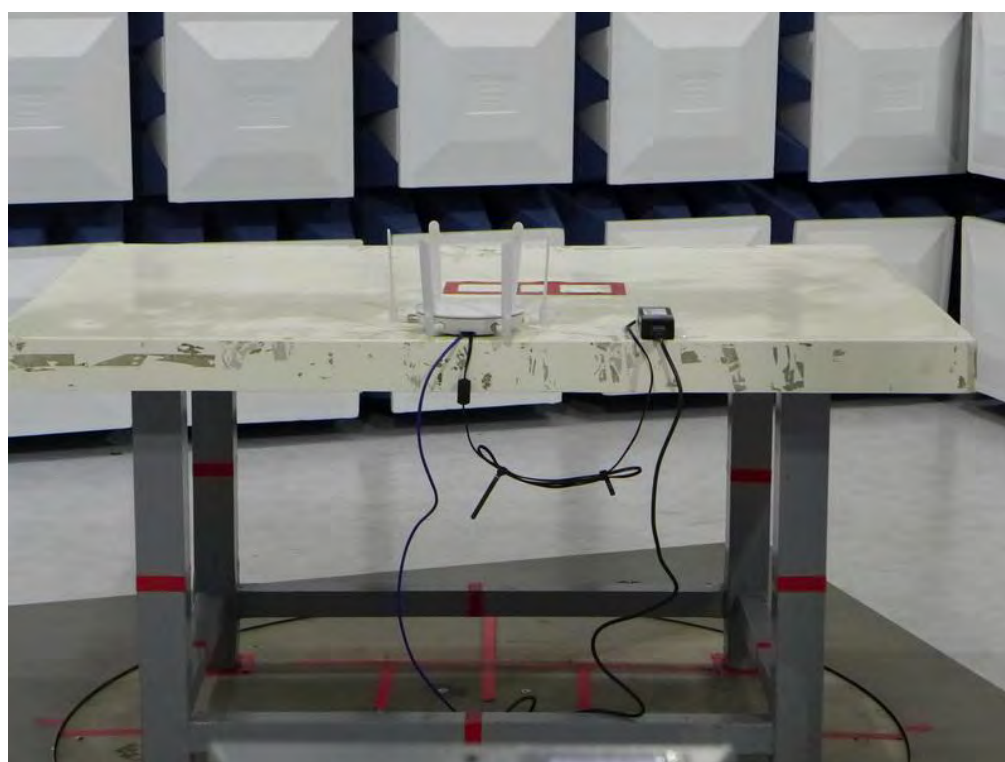
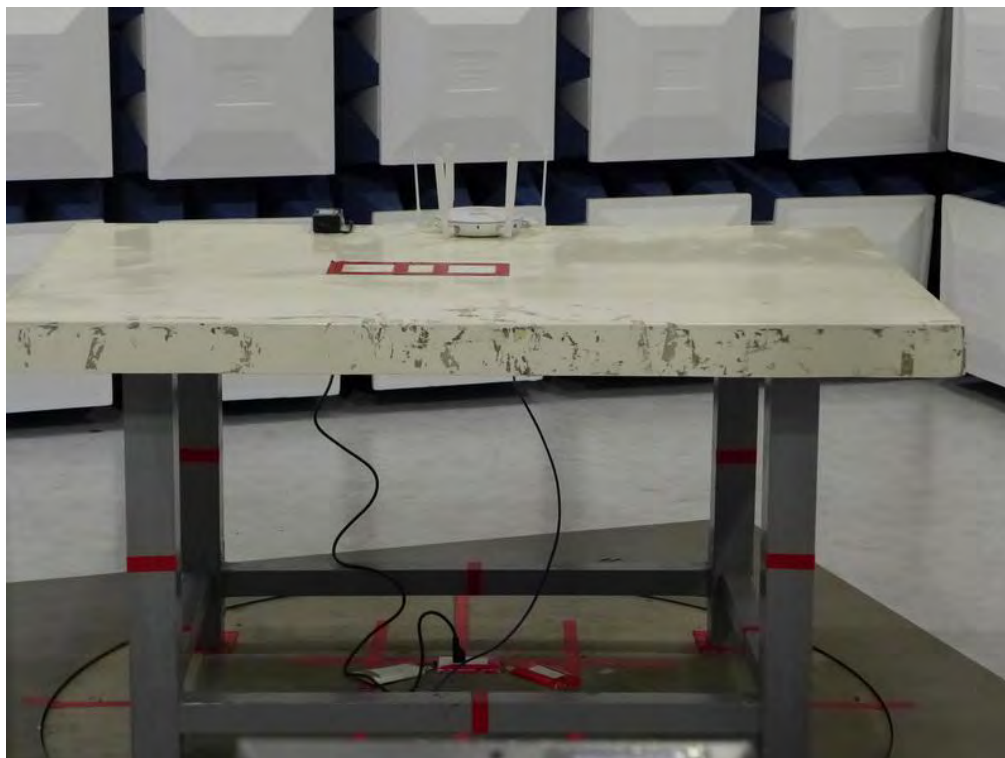
Radiated Measurement Photos

30MHz to 1000MHz-PoE



Radiated Measurement Photos

Above 1000MHz



ATTACHMENT A - CONDUCTED EMISSION

Test Mode: TX MODE-AMIGO, AMS117-1202000F2

Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1584	38.35	9.64	47.99	65.54	-17.55	peak	
2		0.1822	36.06	9.64	45.70	64.38	-18.68	peak	
3		0.4233	28.09	9.66	37.75	57.38	-19.63	peak	
4		1.2379	25.04	9.70	34.74	56.00	-21.26	peak	
5		16.0000	22.75	10.23	32.98	60.00	-27.02	peak	
6		23.1496	29.96	10.49	40.45	60.00	-19.55	peak	

Note : The test result has included the cable loss.

Test Mode: TX MODE-AMIGO, AMS117-1202000F2

Neutral

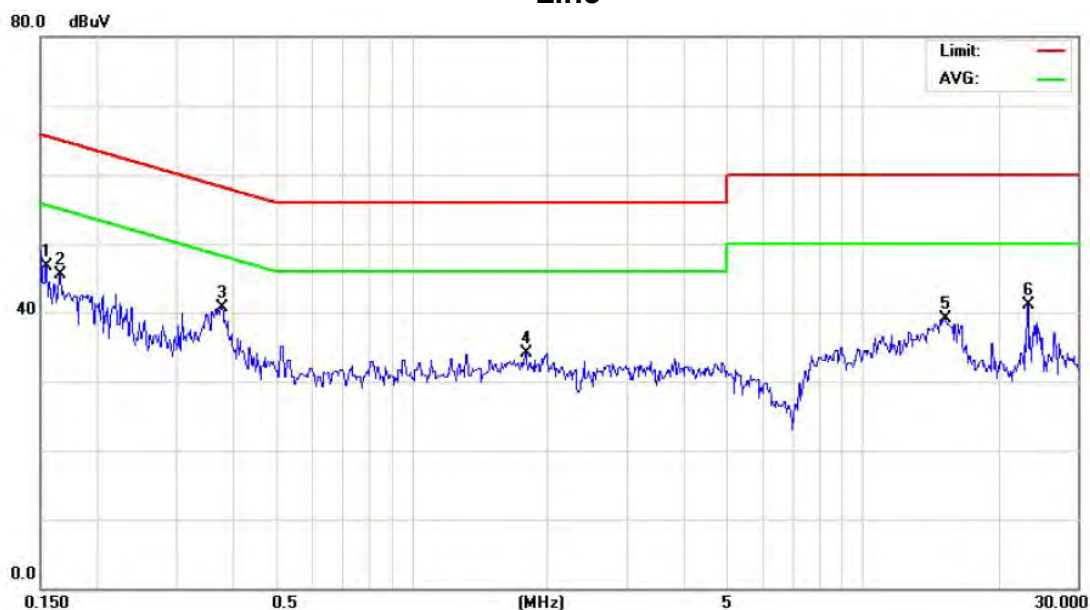


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1570	39.16	9.64	48.80	65.62	-16.82	peak	
2		0.1785	36.41	9.64	46.05	64.55	-18.50	peak	
3		0.4319	28.28	9.67	37.95	57.22	-19.27	peak	
4		0.6620	25.09	9.68	34.77	56.00	-21.23	peak	
5		19.3500	25.32	10.37	35.69	60.00	-24.31	peak	
6		23.1497	29.33	10.49	39.82	60.00	-20.18	peak	

Note : The test result has included the cable loss.

Test Mode: TX MODE-SUNNY, SYS1544-2412-T3

Line

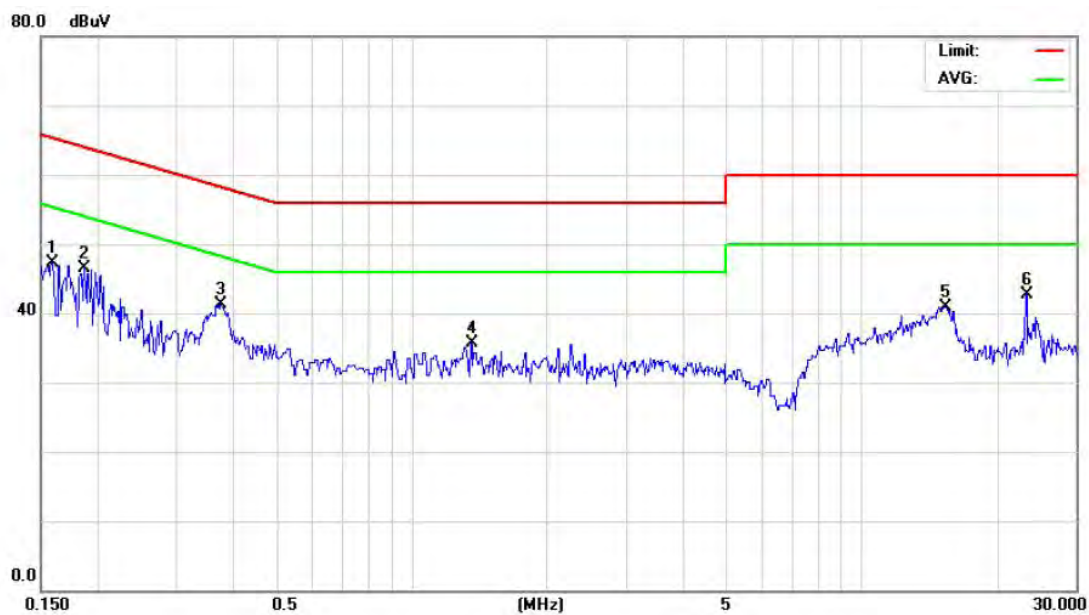


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1542	37.15	9.65	46.80	65.77	-18.97	peak	
2		0.1652	35.86	9.65	45.51	65.19	-19.68	peak	
3	*	0.3774	30.81	9.85	40.66	58.34	-17.68	peak	
4		1.7864	24.42	9.76	34.18	56.00	-21.82	peak	
5		15.1500	28.95	10.14	39.09	60.00	-20.91	peak	
6		23.1494	30.64	10.46	41.10	60.00	-18.90	peak	

Note : The test result has included the cable loss.

Test Mode: TX MODE-SUNNY, SYS1544-2412-T3

Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1584	37.75	9.64	47.39	65.54	-18.15	peak	
2		0.1869	36.95	9.64	46.59	64.17	-17.58	peak	
3	*	0.3753	31.62	9.66	41.28	58.38	-17.10	peak	
4		1.3548	25.99	9.72	35.71	56.00	-20.29	peak	
5		15.3498	30.72	10.19	40.91	60.00	-19.09	peak	
6		23.1497	32.24	10.49	42.73	60.00	-17.27	peak	

Note : The test result has included the cable loss.

ATTACHMENTB -RADIATED EMISSION (9KHZ TO 30MHZ)

Test Mode:	TX MODE-AMIGO, AMS117-1202000F2
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Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.2533	0°	46.44	11.39	57.83	79.53	-21.70	AV
0.2533	0°	53.22	11.39	64.61	99.53	-34.92	PK
0.3720	0°	38.57	11.14	49.71	76.19	-26.48	AV
0.3720	0°	46.87	11.14	58.01	96.19	-38.18	PK
0.4330	0°	50.29	11.18	61.47	74.87	-13.41	AV
0.4330	0°	49.35	11.18	60.53	94.87	-34.35	PK
0.7460	0°	44.55	11.30	55.85	90.55	-34.70	QP
0.7460	0°	40.16	11.32	51.48	70.15	-18.67	QP
1.3630	0°	38.18	11.53	49.71	64.91	-15.21	QP

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.2560	90°	46.53	11.38	57.91	79.44	-21.53	AV
0.2560	90°	57.28	11.38	68.66	99.44	-30.78	PK
0.3710	90°	37.44	11.14	48.58	76.22	-27.64	AV
0.3710	90°	46.36	11.14	57.50	96.22	-38.72	PK
0.4340	90°	42.15	11.18	53.33	74.85	-21.53	AV
0.4340	90°	51.33	11.18	62.51	94.85	-32.35	PK
0.7450	90°	44.28	11.30	55.58	90.55	-34.97	QP
0.7860	90°	40.52	11.33	51.85	69.70	-17.84	QP
1.3620	90°	38.66	11.53	50.19	64.92	-14.73	QP

Test Mode:	TX MODE- SUNNY, SYS1544-2412-T3
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Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.2529	0°	46.28	11.40	57.68	79.55	-21.87	AV
0.2529	0°	53.16	11.40	64.56	99.55	-34.99	PK
0.3740	0°	38.44	11.14	49.58	76.15	-26.57	AV
0.3740	0°	46.36	11.14	57.50	96.15	-38.65	PK
0.4320	0°	40.28	11.18	51.46	74.89	-23.44	AV
0.4320	0°	49.57	11.18	60.75	94.89	-34.15	PK
0.7450	0°	44.38	11.30	55.68	90.55	-34.87	QP
0.7830	0°	40.17	11.33	51.50	69.73	-18.23	QP
1.3640	0°	38.69	11.53	50.22	64.91	-14.69	QP

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.2550	90°	46.51	11.38	57.89	79.47	-21.58	AV
0.2550	90°	57.44	11.38	68.82	99.47	-30.65	PK
0.3740	90°	37.29	11.14	48.43	76.15	-27.72	AVG
0.3740	90°	46.44	11.14	57.58	96.15	-38.57	PK
0.4320	90°	42.35	11.18	53.53	74.89	-21.37	AV
0.4320	90°	51.47	11.18	62.65	94.89	-32.25	PK
0.7480	90°	44.58	11.30	55.88	90.55	-34.67	QP
0.7810	90°	40.36	11.33	51.69	69.75	-18.06	QP
1.3590	90°	38.51	11.53	50.04	64.94	-14.90	QP

Test Mode:	TX MODE-PoE
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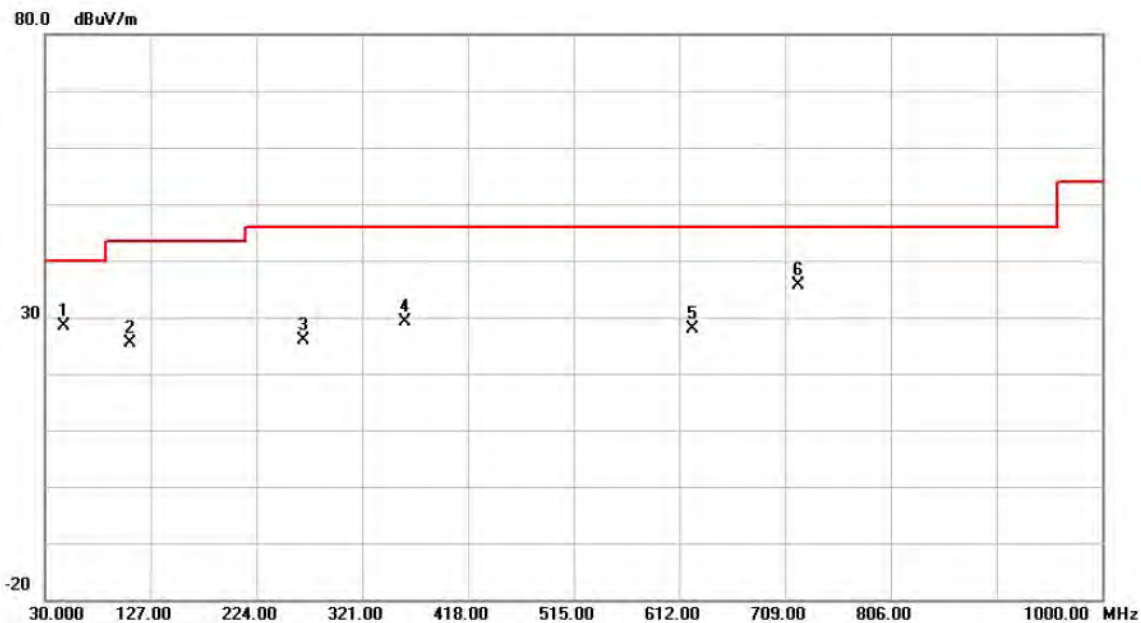
Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.2520	0°	46.35	11.40	57.75	79.58	-21.83	AV
0.2520	0°	53.14	11.40	64.54	99.58	-35.04	PK
0.3770	0°	38.22	11.14	49.36	76.08	-26.71	AV
0.3770	0°	46.65	11.14	57.79	96.08	-38.28	PK
0.4330	0°	40.28	11.18	51.46	74.87	-23.42	AV
0.4330	0°	49.11	11.18	60.29	94.87	-34.59	PK
0.7460	0°	44.51	11.30	55.81	90.55	-34.74	QP
0.7810	0°	40.38	11.33	51.71	69.75	-18.04	QP
1.3650	0°	38.22	11.53	49.75	64.90	-15.15	QP

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.2540	90°	46.35	11.39	57.74	79.51	-21.77	AV
0.2540	90°	57.11	11.39	68.50	99.51	-31.01	PK
0.3780	90°	37.52	11.14	48.66	76.05	-27.39	AV
0.3780	90°	46.51	11.14	57.65	96.05	-38.40	PK
0.4410	90°	42.39	11.18	53.57	74.72	-21.14	AV
0.4410	90°	51.33	11.18	62.51	94.72	-32.20	PK
0.7460	90°	44.85	11.30	56.15	90.55	-34.40	QP
0.7810	90°	40.28	11.33	51.61	69.75	-18.14	QP
1.3640	90°	38.46	11.53	49.99	64.91	-14.92	QP

ATTACHMENTC -RADIATED EMISSION (30MHZ TO 1000MHZ)

Test Mode: TX A Mode 5300MHz-AMIGO, AMS117-1202000F2

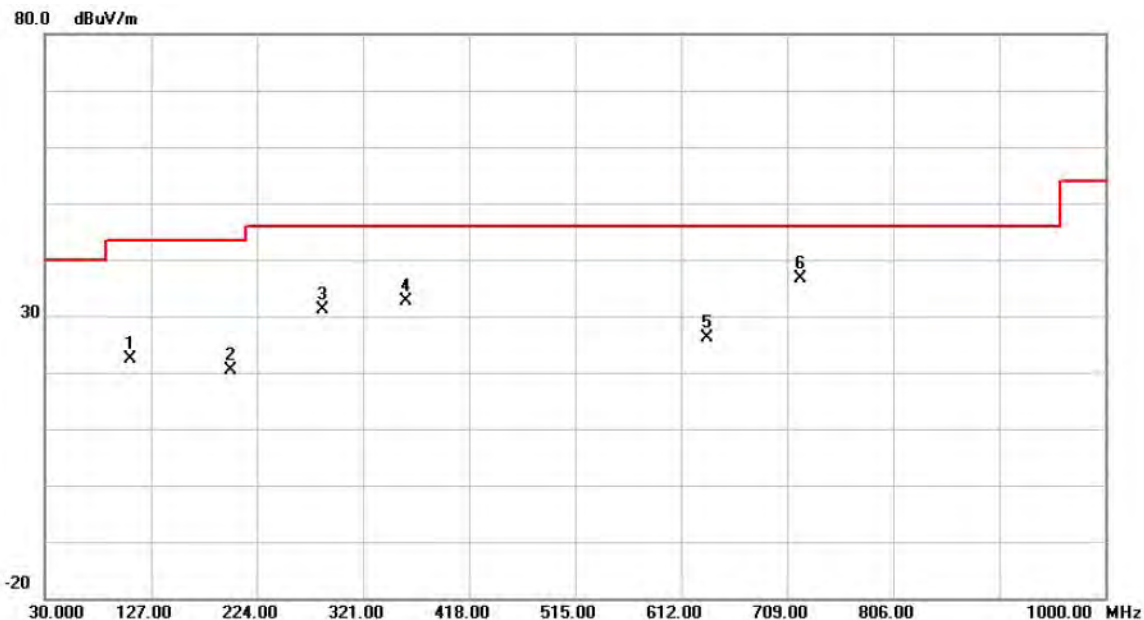
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		46.9750	42.12	-13.68	28.44	40.00	-11.56	peak	
2		107.6000	43.08	-17.68	25.40	43.50	-18.10	peak	
3		267.6500	40.07	-14.29	25.78	46.00	-20.22	peak	
4		359.8000	41.16	-12.08	29.08	46.00	-16.92	peak	
5		624.1250	35.17	-7.19	27.98	46.00	-18.02	peak	
6	*	721.1250	40.87	-5.25	35.62	46.00	-10.38	peak	

Test Mode: TX A Mode 5300MHz-AMIGO, AMS117-1202000F2

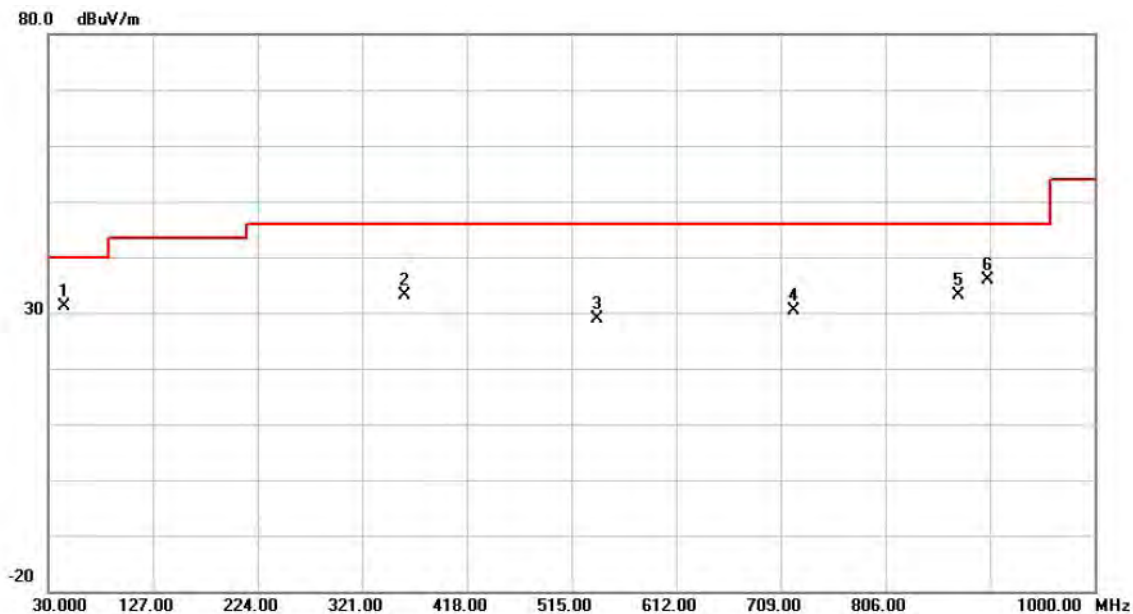
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		107.6000	40.10	-17.68	22.42	43.50	-21.08	peak	
2		199.7500	37.12	-16.72	20.40	43.50	-23.10	peak	
3		284.6250	45.05	-13.84	31.21	46.00	-14.79	peak	
4		359.8000	44.68	-12.08	32.60	46.00	-13.40	peak	
5		636.2500	33.28	-7.05	26.23	46.00	-19.77	peak	
6	*	721.1250	41.97	-5.25	36.72	46.00	-9.28	peak	

Test Mode: TX A Mode 5300MHz-SUNNY, SYS1544-2412-T3

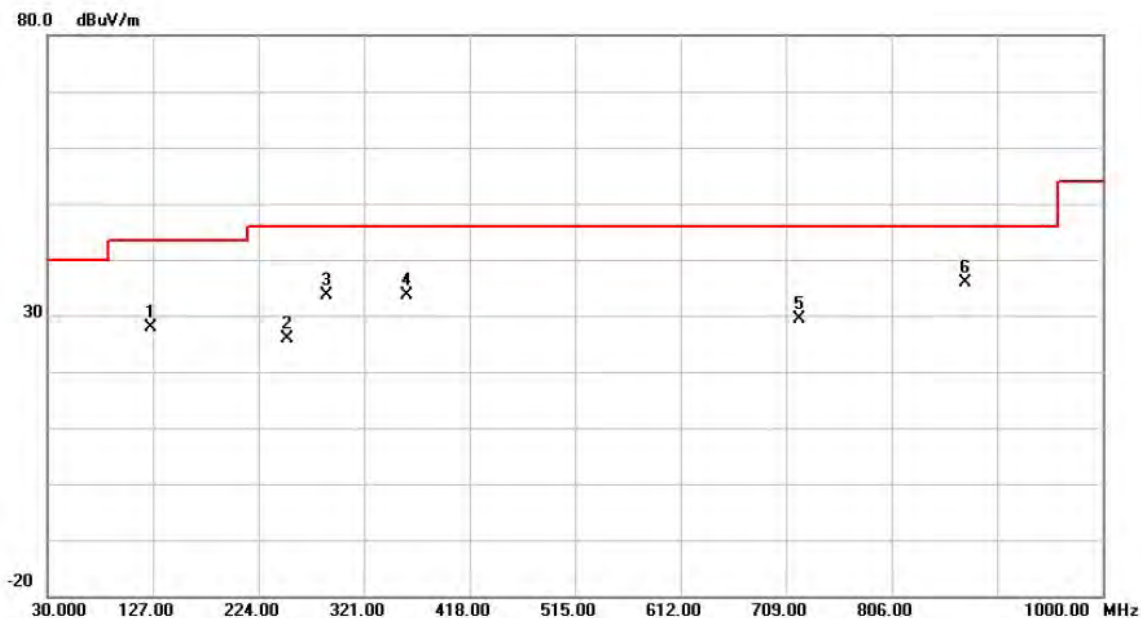
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	44.5500	44.85	-13.73	31.12	40.00	-8.88	peak	
2		359.8000	45.09	-12.08	33.01	46.00	-12.99	peak	
3		539.2500	37.24	-8.27	28.97	46.00	-17.03	peak	
4		721.1250	35.58	-5.25	30.33	46.00	-15.67	peak	
5		873.9000	36.48	-3.36	33.12	46.00	-12.88	peak	
6		900.5750	38.79	-2.82	35.97	46.00	-10.03	peak	

Test Mode: TX A Mode 5300MHz-SUNNY, SYS1544-2412-T3

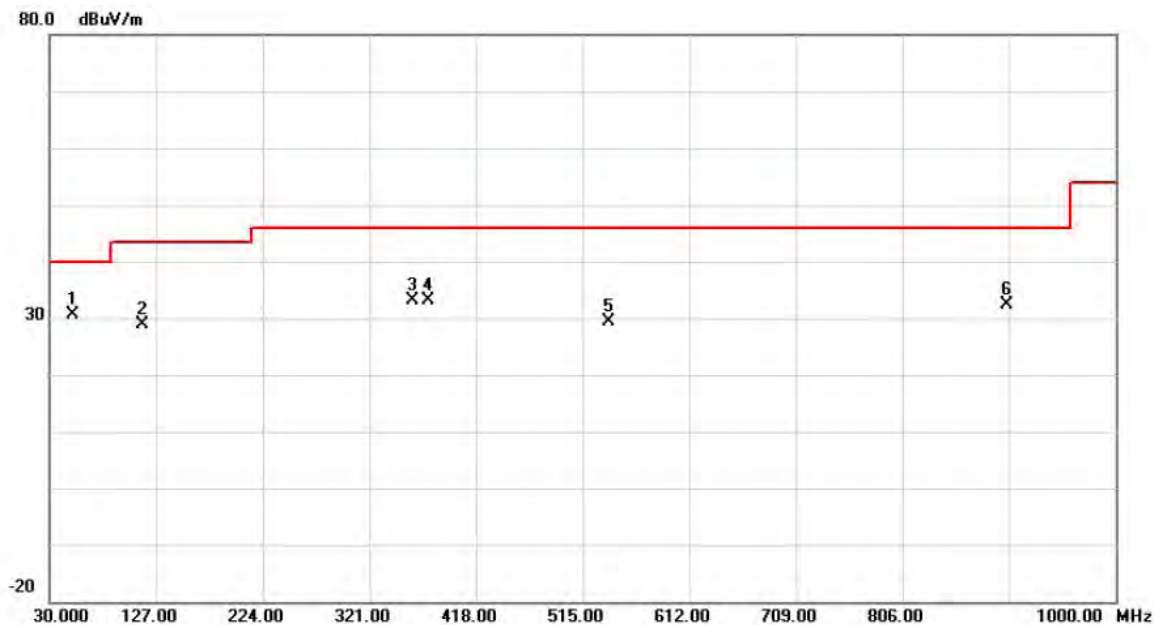
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		124.5750	43.74	-15.80	27.94	43.50	-15.56	peak	
2		250.6750	40.96	-15.10	25.86	46.00	-20.14	peak	
3		287.0500	47.43	-13.77	33.66	46.00	-12.34	peak	
4		359.8000	45.66	-12.08	33.58	46.00	-12.42	peak	
5		721.1250	34.52	-5.25	29.27	46.00	-16.73	peak	
6	*	873.9000	39.16	-3.36	35.80	46.00	-10.20	peak	

Test Mode: TX A Mode 5300MHz-PoE

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	51.8250	44.61	-13.88	30.73	40.00	-9.27	peak	
2		114.8750	45.60	-16.78	28.82	43.50	-14.68	peak	
3		359.8000	45.09	-12.08	33.01	46.00	-12.99	peak	
4		374.3500	44.80	-11.74	33.06	46.00	-12.94	peak	
5		539.2500	37.74	-8.27	29.47	46.00	-16.53	peak	
6		900.5750	35.29	-2.82	32.47	46.00	-13.53	peak	

Test Mode: TX A Mode 5300MHz--PoE

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		124.5750	45.24	-15.80	29.44	43.50	-14.06	peak	
2		287.0500	47.93	-13.77	34.16	46.00	-11.84	peak	
3		359.8000	44.16	-12.08	32.08	46.00	-13.92	peak	
4		721.1250	34.02	-5.25	28.77	46.00	-17.23	peak	
5	*	873.9000	39.16	-3.36	35.80	46.00	-10.20	peak	
6		903.0000	34.21	-2.77	31.44	46.00	-14.56	peak	

ATTACHMENTD -RADIATED EMISSION (ABOVE 1000MHZ)

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5260MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5264.000	79.48	38.14	117.62	68.30	49.32	peak	No Limit
2	X	5264.000	71.86	38.14	110.00	68.30	41.70	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5260MHz

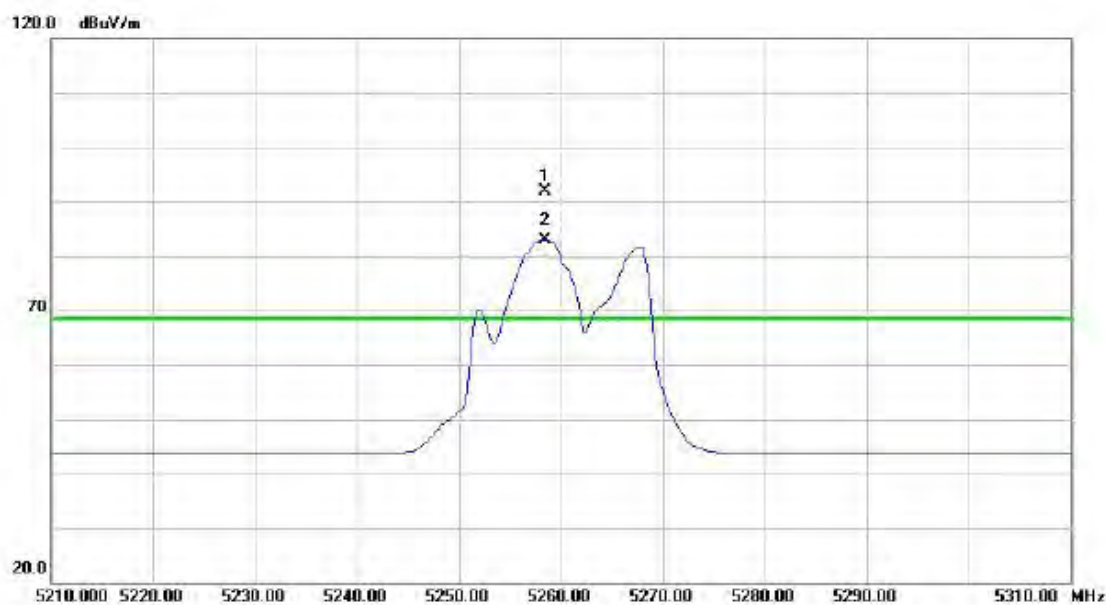
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10520.82	44.10	18.50	62.60	68.30	-5.70	peak	
2		10520.82	32.71	18.50	51.21	68.30	-17.09	AVG	
3		15782.30	45.01	19.38	64.39	74.00	-9.61	peak	
4	*	15782.30	32.03	19.38	51.41	54.00	-2.59	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5260MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	5258.500	60.47	31.41	91.88	68.30	23.58	peak	No Limit
2	X	5258.500	51.42	31.41	82.83	68.30	14.53	AVG	No Limit

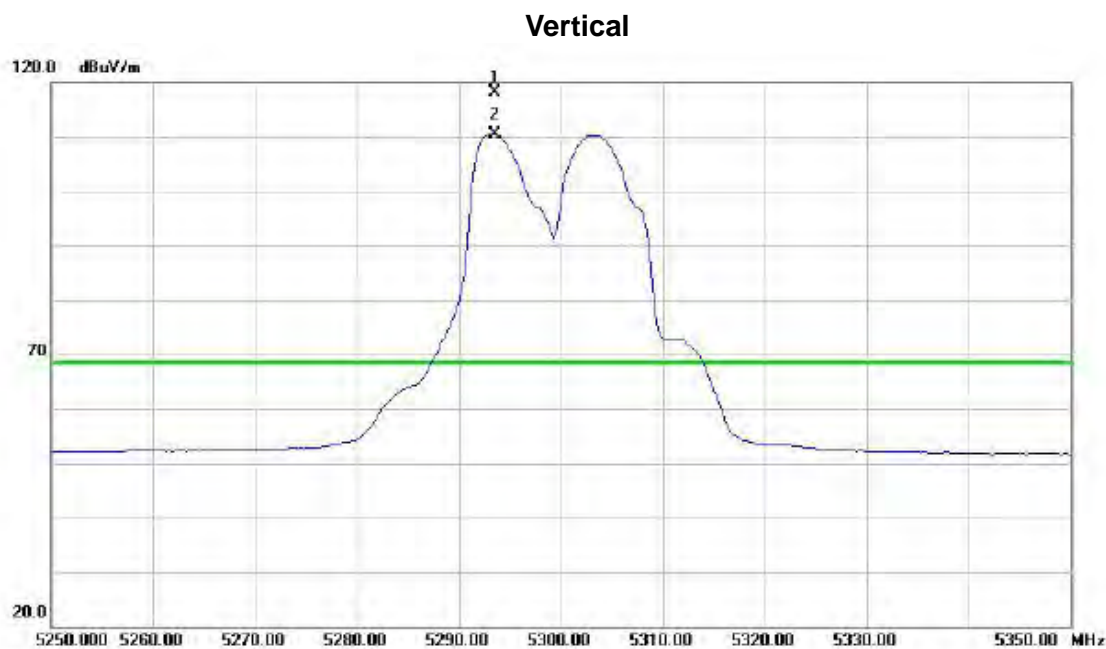
Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5260MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10524.75	45.10	18.52	63.62	68.30	-4.68	peak	
2		10524.75	34.33	18.52	52.85	68.30	-15.45	AVG	
3		15779.00	45.70	19.38	65.08	74.00	-8.92	peak	
4	*	15779.00	32.43	19.38	51.81	54.00	-2.19	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5293.500	79.85	38.23	118.08	68.30	49.78	peak	No Limit
2	X	5293.500	72.08	38.23	110.31	68.30	42.01	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

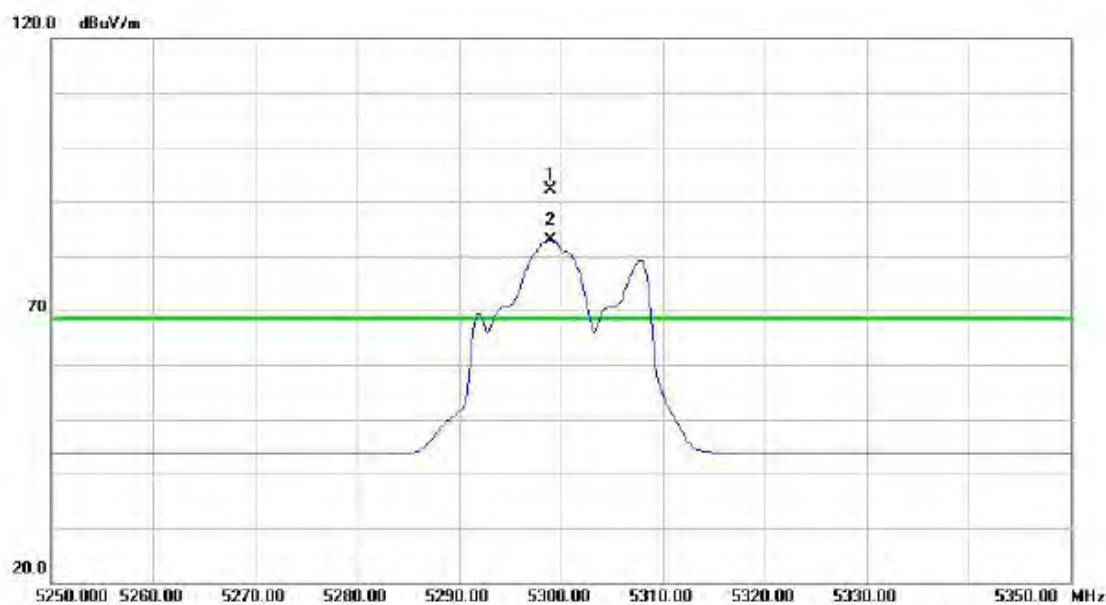
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10601.21	43.54	18.92	62.46	74.00	-11.54	peak	
2		10601.21	32.36	18.92	51.28	54.00	-2.72	AVG	
3		15901.30	44.43	19.43	63.86	74.00	-10.14	peak	
4	*	15901.30	31.99	19.43	51.42	54.00	-2.58	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5299.000	60.63	31.46	92.09	68.30	23.79	peak	No Limit
2	X	5299.000	51.45	31.46	82.91	68.30	14.61	AVG	No Limit

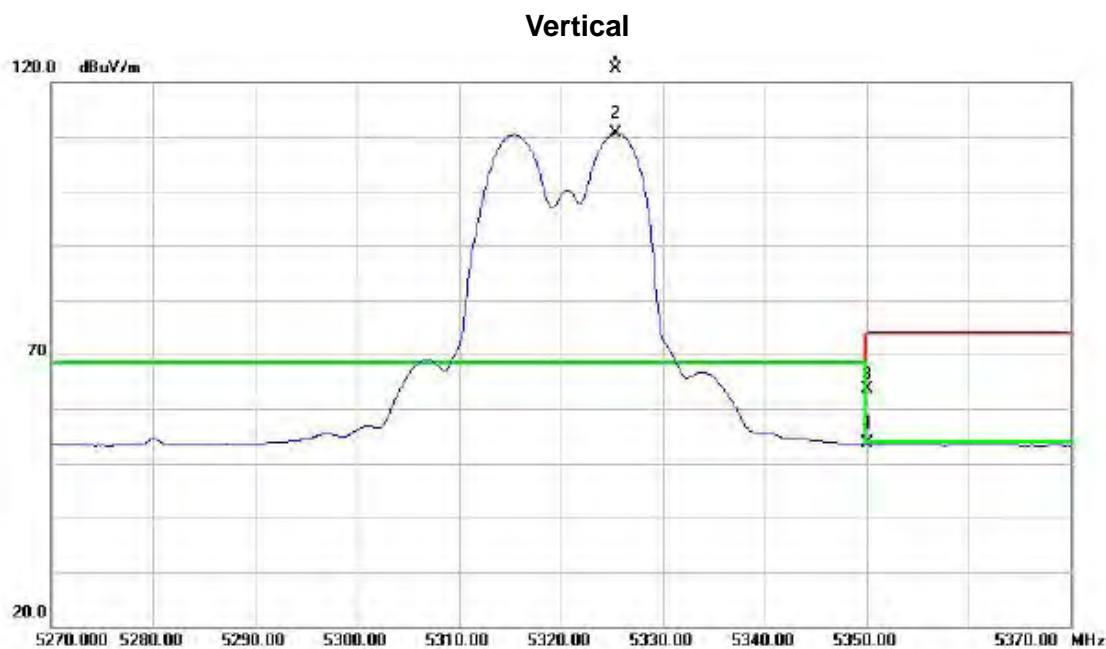
Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10603.75	44.17	18.94	63.11	74.00	-10.89	peak	
2	*	10603.75	33.01	18.94	51.95	54.00	-2.05	AVG	
3		15902.25	44.62	19.43	64.05	74.00	-9.95	peak	
4		15902.25	32.43	19.43	51.86	54.00	-2.14	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5320MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5325.400	83.92	38.35	122.27	68.30	53.97	peak	No Limit
2	X	5325.400	72.19	38.35	110.54	68.30	42.24	AVG	No Limit
3		5350.000	25.25	38.43	63.68	68.30	-4.62	peak	
4		5350.000	15.11	38.43	53.54	54.00	-0.46	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5320MHz

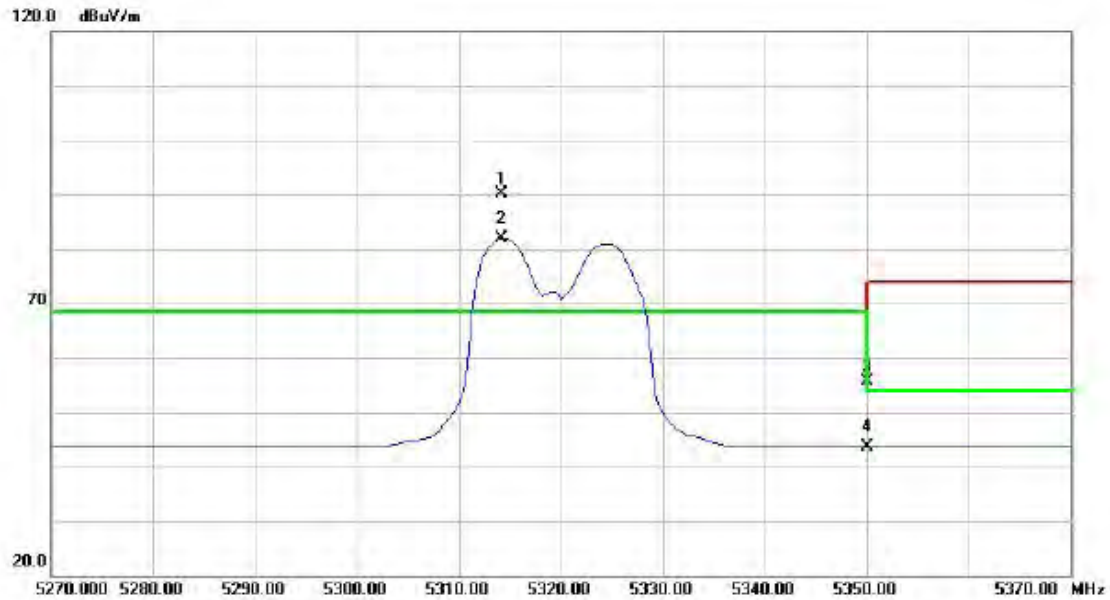
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10644.30	45.51	19.16	64.67	74.00	-9.33	peak	
2		10644.30	31.82	19.16	50.98	54.00	-3.02	AVG	
3		15958.28	45.66	19.45	65.11	74.00	-8.89	peak	
4	*	15958.28	32.46	19.45	51.91	54.00	-2.09	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5320MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5314.250	58.65	31.48	90.13	68.30	21.83	peak	No Limit
2	X	5314.250	50.45	31.48	81.93	68.30	13.63	AVG	No Limit
3		5350.000	23.99	31.52	55.51	68.30	-12.79	peak	
4		5350.000	12.11	31.52	43.63	54.00	-10.37	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5320MHz

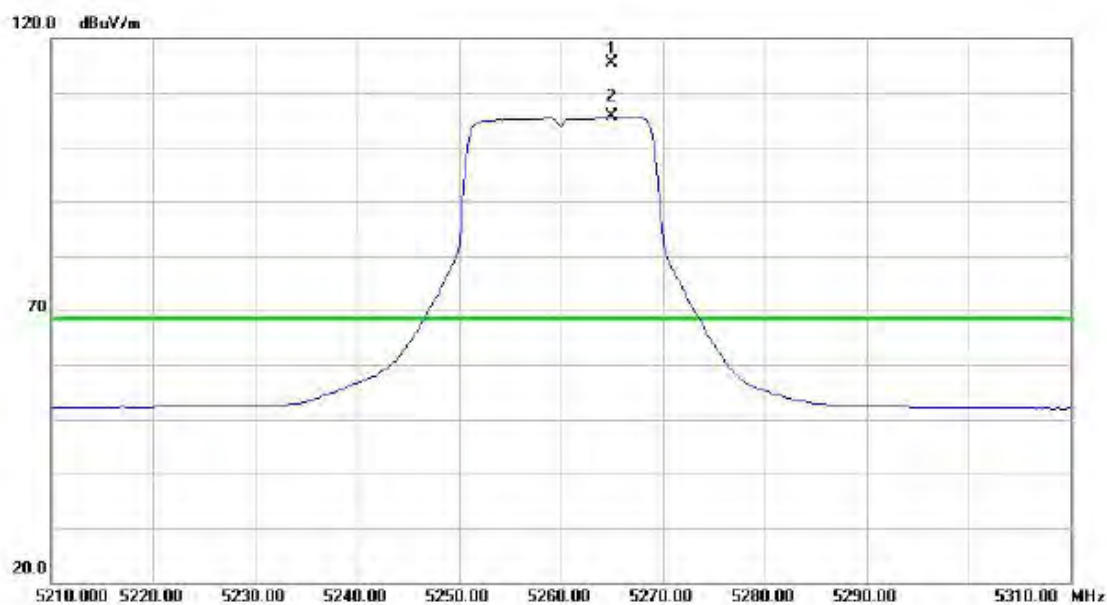
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10642.00	44.31	19.14	63.45	74.00	-10.55	peak	
2		10642.00	32.59	19.14	51.73	54.00	-2.27	AVG	
3		15959.75	46.00	19.45	65.45	74.00	-8.55	peak	
4	*	15959.75	32.53	19.45	51.98	54.00	-2.02	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5260MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	5265.000	77.36	38.14	115.50	68.30	47.20	peak	No Limit
2	X	5265.000	67.42	38.14	105.56	68.30	37.26	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5260MHz

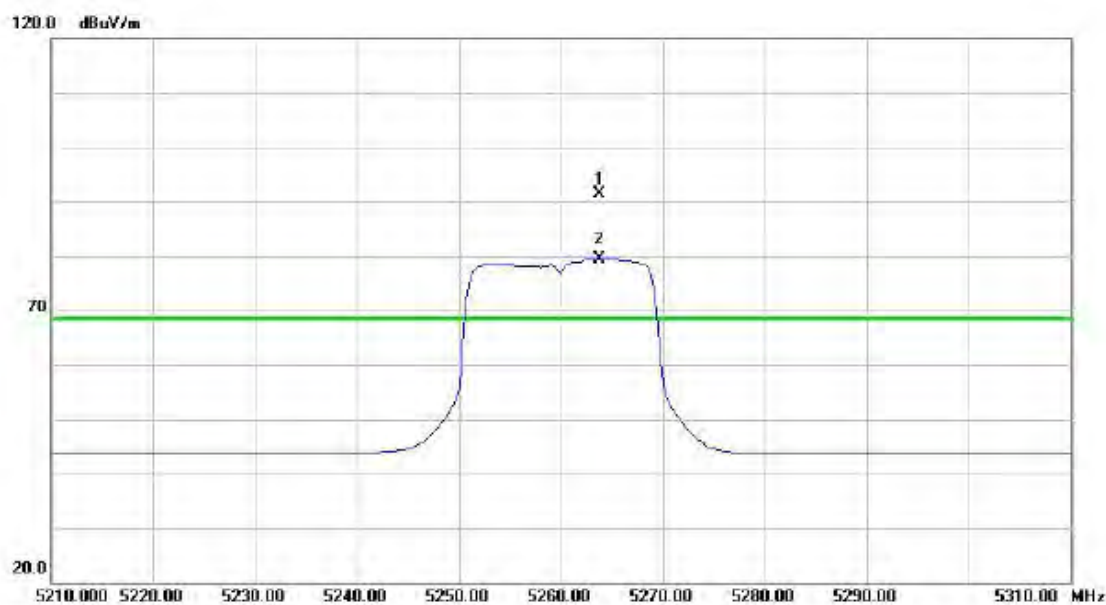
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10520.33	42.61	18.50	61.11	68.30	-7.19	peak	
2		10520.33	32.36	18.50	50.86	68.30	-17.44	AVG	
3		15780.30	43.55	19.39	62.94	74.00	-11.06	peak	
4	*	15780.30	32.57	19.39	51.96	54.00	-2.04	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5260MHz

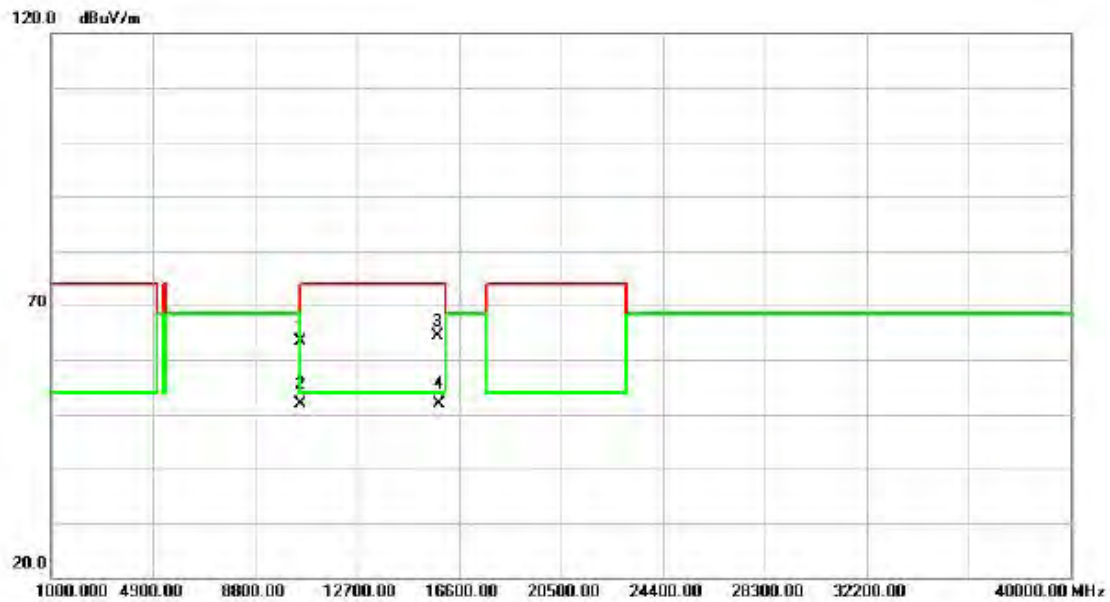
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5263.750	59.90	31.42	91.32	68.30	23.02	peak	No Limit
2	X	5263.750	48.08	31.42	79.50	68.30	11.20	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5260MHz

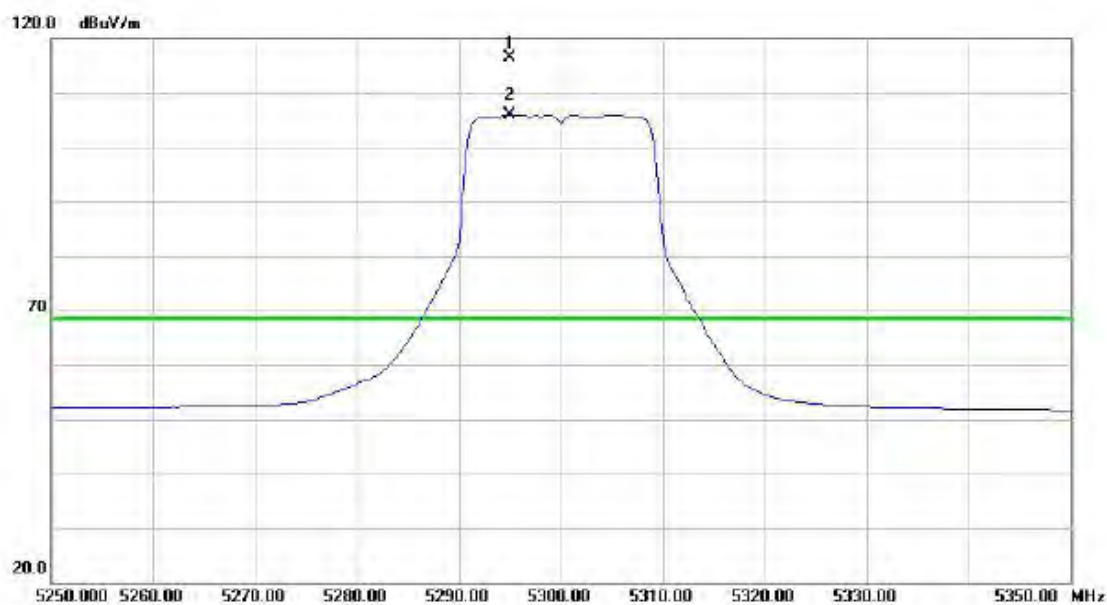
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10516.75	44.98	18.48	63.46	68.30	-4.84	peak	
2		10516.75	33.32	18.48	51.80	68.30	-16.50	AVG	
3		15778.00	45.12	19.38	64.50	74.00	-9.50	peak	
4	*	15778.25	32.46	19.38	51.84	54.00	-2.16	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5295.000	78.20	38.24	116.44	68.30	48.14	peak	No Limit
2	X	5295.000	67.67	38.24	105.91	68.30	37.61	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

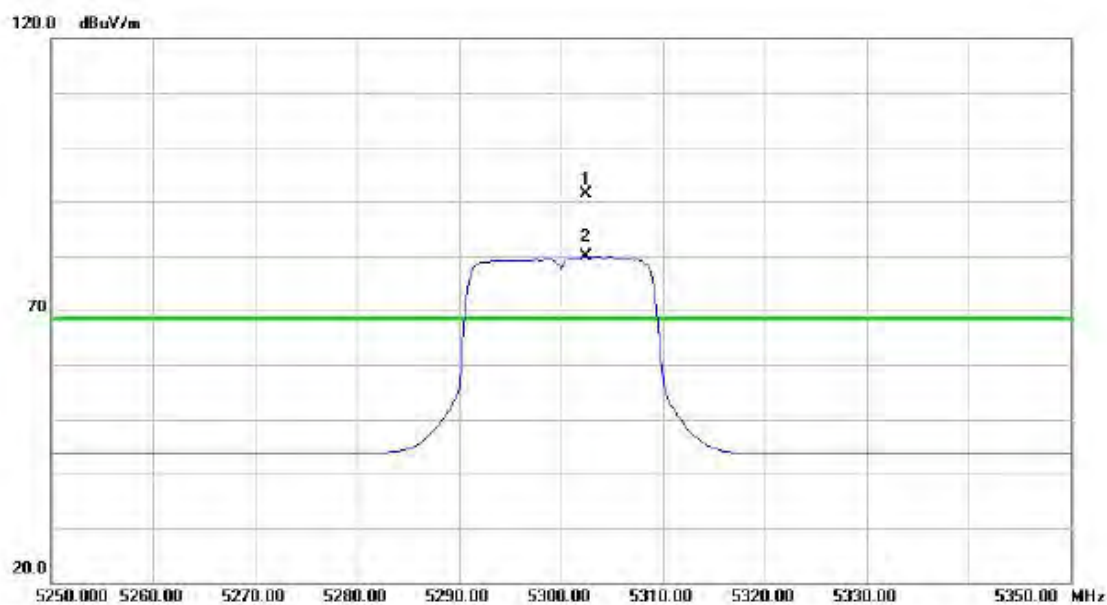
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10600.13	43.67	18.92	62.59	74.00	-11.41	peak	
2		10600.13	32.27	18.92	51.19	54.00	-2.81	AVG	
3		15899.58	43.39	19.43	62.82	74.00	-11.18	peak	
4	*	15899.58	32.25	19.43	51.68	54.00	-2.32	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5302.500	59.80	31.46	91.26	68.30	22.96	peak	No Limit
2	X	5302.500	48.36	31.46	79.82	68.30	11.52	AVG	No Limit

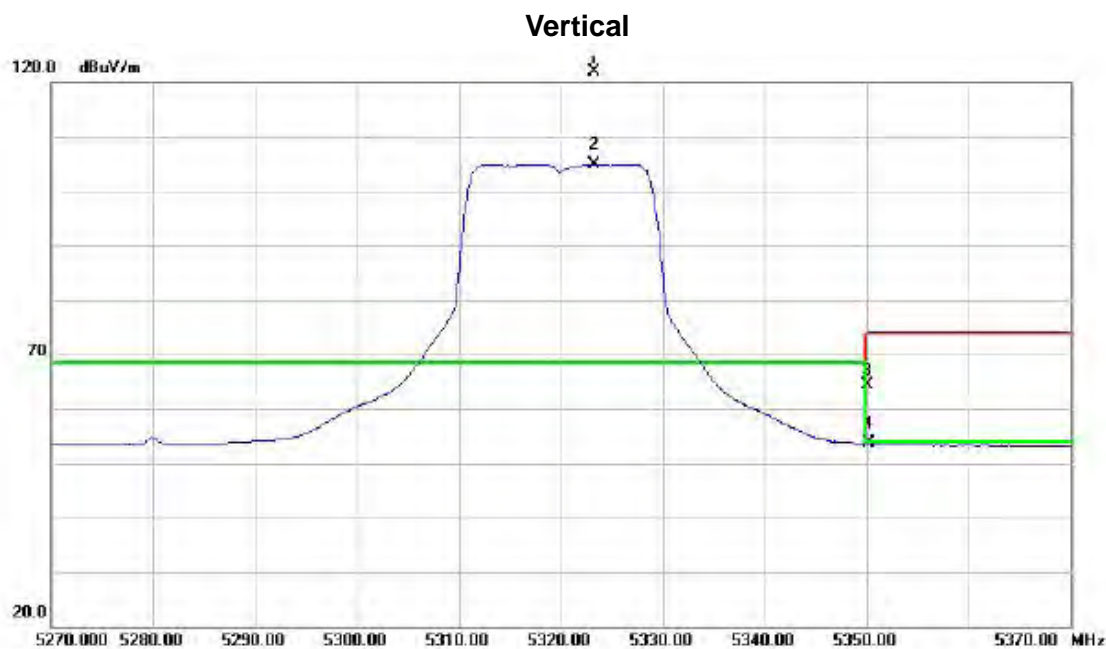
Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10610.50	43.88	18.98	62.86	74.00	-11.14	peak	
2		10610.50	32.44	18.98	51.42	54.00	-2.58	AVG	
3		15905.50	45.09	19.43	64.52	74.00	-9.48	peak	
4	*	15905.50	32.03	19.43	51.46	54.00	-2.54	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5320MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5323.200	83.64	38.34	121.98	68.30	53.68	peak	No Limit
2	X	5323.200	66.65	38.34	104.99	68.30	36.69	AVG	No Limit
3		5350.000	26.00	38.43	64.43	68.30	-3.87	peak	
4		5350.000	15.22	38.43	53.65	54.00	-0.35	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5320MHz

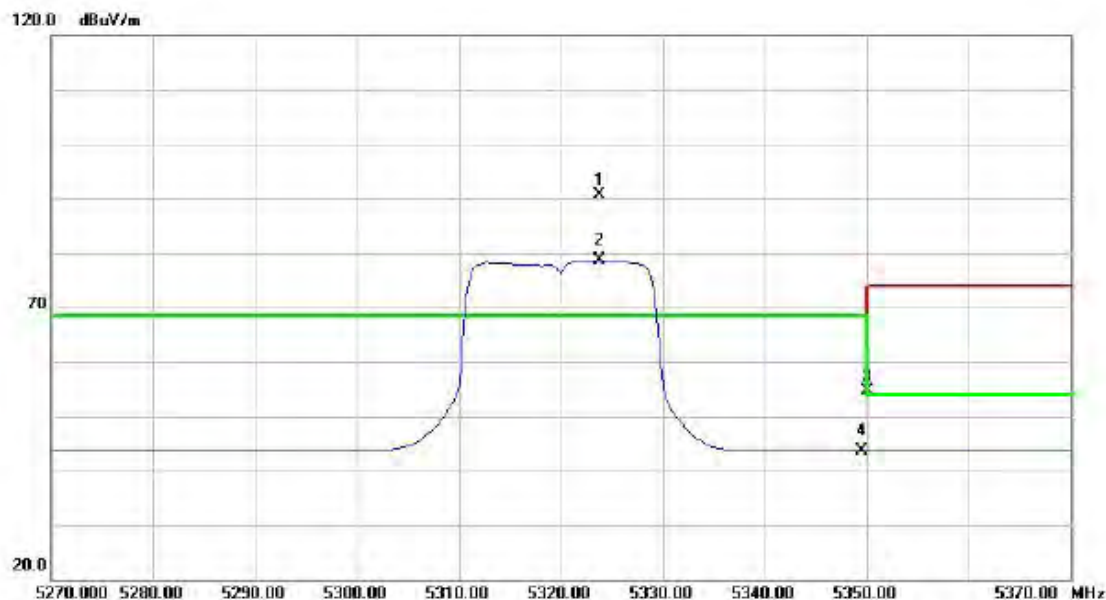
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10639.67	44.65	19.13	63.78	74.00	-10.22	peak	
2		10639.67	32.23	19.13	51.36	54.00	-2.64	AVG	
3		15959.93	46.25	19.45	65.70	74.00	-8.30	peak	
4	*	15959.93	32.40	19.45	51.85	54.00	-2.15	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5320MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5323.750	59.15	31.49	90.64	68.30	22.34	peak	No Limit
2	X	5323.750	47.15	31.49	78.64	68.30	10.34	AVG	No Limit
3		5350.000	23.10	31.52	54.62	68.30	-13.68	peak	
4		5350.000	12.12	31.52	43.64	54.00	-10.36	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5320MHz

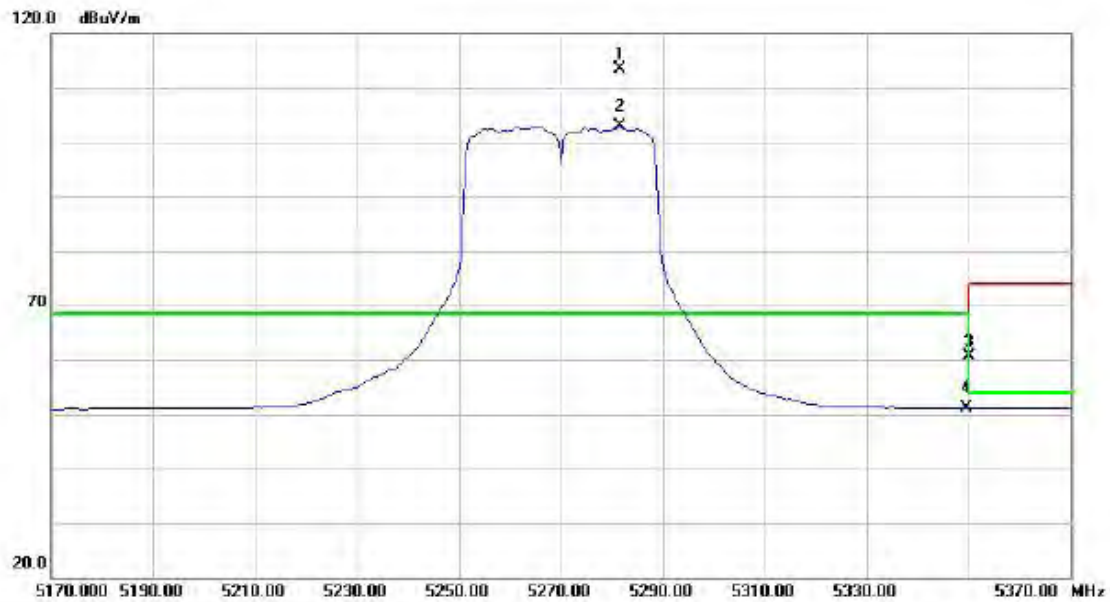
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10639.25	44.15	19.13	63.28	74.00	-10.72	peak	
2		10639.25	32.50	19.13	51.63	54.00	-2.37	AVG	
3		15780.75	44.75	19.39	64.14	74.00	-9.86	peak	
4	*	15780.75	32.54	19.39	51.93	54.00	-2.07	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5270MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5281.500	75.30	38.20	113.50	68.30	45.20	peak	No Limit
2	X	5281.500	64.56	38.20	102.76	68.30	34.46	AVG	No Limit
3		5350.000	22.20	38.43	60.63	68.30	-7.67	peak	
4		5350.000	12.71	38.43	51.14	54.00	-2.86	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5270MHz

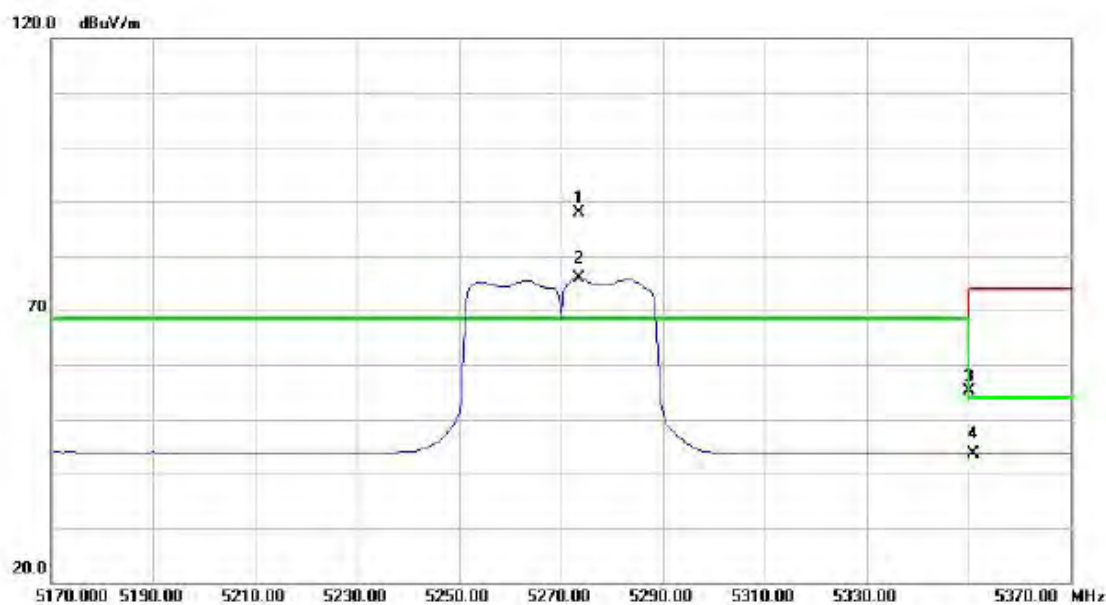
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10539.61	42.83	18.60	61.43	68.30	-6.87	peak	
2		10539.61	32.01	18.60	50.61	68.30	-17.69	AVG	
3		15810.21	43.96	19.40	63.36	74.00	-10.64	peak	
4	*	15810.21	32.15	19.40	51.55	54.00	-2.45	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5270MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5273.500	56.34	31.43	87.77	68.30	19.47	peak	No Limit
2	X	5273.500	44.42	31.43	75.85	68.30	7.55	AVG	No Limit
3		5350.000	23.66	31.52	55.18	68.30	-13.12	peak	
4		5350.000	12.08	31.52	43.60	54.00	-10.40	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5270MHz

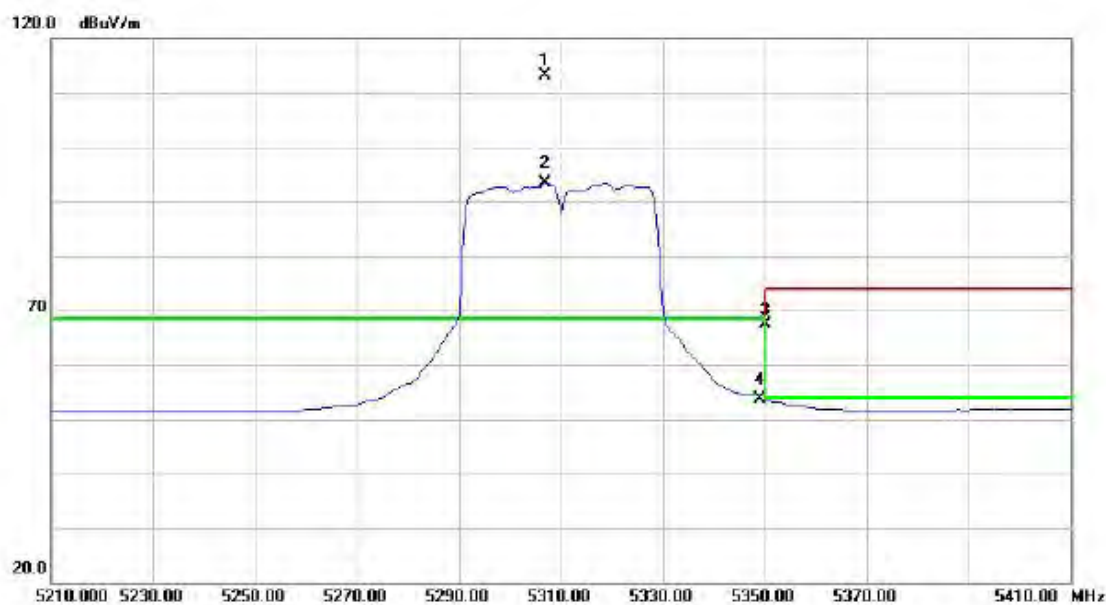
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10537.50	43.41	18.59	62.00	68.30	-6.30	peak	
2		10537.50	33.40	18.59	51.99	68.30	-16.31	AVG	
3		15810.25	45.07	19.40	64.47	74.00	-9.53	peak	
4	*	15810.25	32.50	19.40	51.90	54.00	-2.10	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5310MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5307.000	74.95	38.28	113.23	68.30	44.93	peak	No Limit
2	X	5307.000	55.10	38.28	93.38	68.30	25.08	AVG	No Limit
3		5350.000	28.90	38.43	67.33	68.30	-0.97	peak	
4		5350.000	15.17	38.43	53.60	54.00	-0.40	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5310MHz

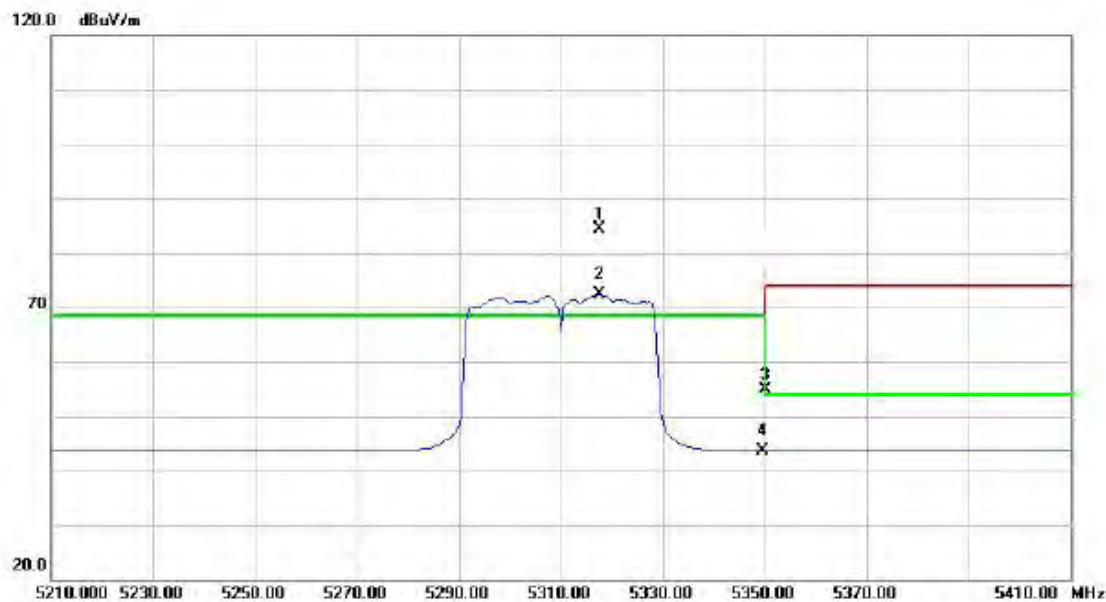
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10621.10	44.04	19.03	63.07	74.00	-10.93	peak	
2		10621.10	31.81	19.03	50.84	54.00	-3.16	AVG	
3		15931.12	45.17	19.44	64.61	74.00	-9.39	peak	
4	*	15931.12	32.69	19.44	52.13	54.00	-1.87	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5310MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5317.500	52.78	31.48	84.26	68.30	15.96	peak	No Limit
2	X	5317.500	40.86	31.48	72.34	68.30	4.04	AVG	No Limit
3		5350.000	23.45	31.52	54.97	68.30	-13.33	peak	
4		5350.000	12.09	31.52	43.61	54.00	-10.39	AVG	

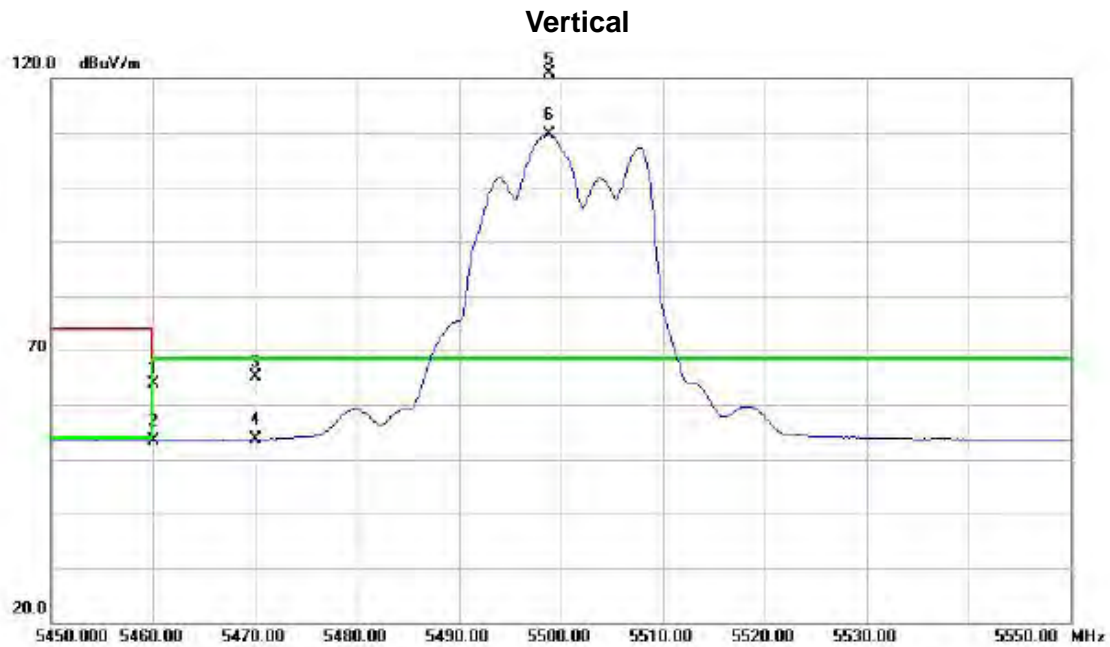
Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N40 Mode 5310MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10624.00	43.39	19.05	62.44	74.00	-11.56	peak	
2		10624.00	32.10	19.05	51.15	54.00	-2.85	AVG	
3		15932.75	44.03	19.44	63.47	74.00	-10.53	peak	
4	*	15932.75	32.53	19.44	51.97	54.00	-2.03	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5500MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	25.10	38.81	63.91	68.30	-4.39	peak	
2		5460.000	14.53	38.81	53.34	54.00	-0.66	AVG	
3		5470.000	26.36	38.84	65.20	68.30	-3.10	peak	
4		5470.000	14.85	38.84	53.69	68.30	-14.61	AVG	
5	*	5498.900	81.93	38.95	120.88	68.30	52.58	peak	No Limit
6	X	5498.900	70.77	38.95	109.72	68.30	41.42	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5500MHz

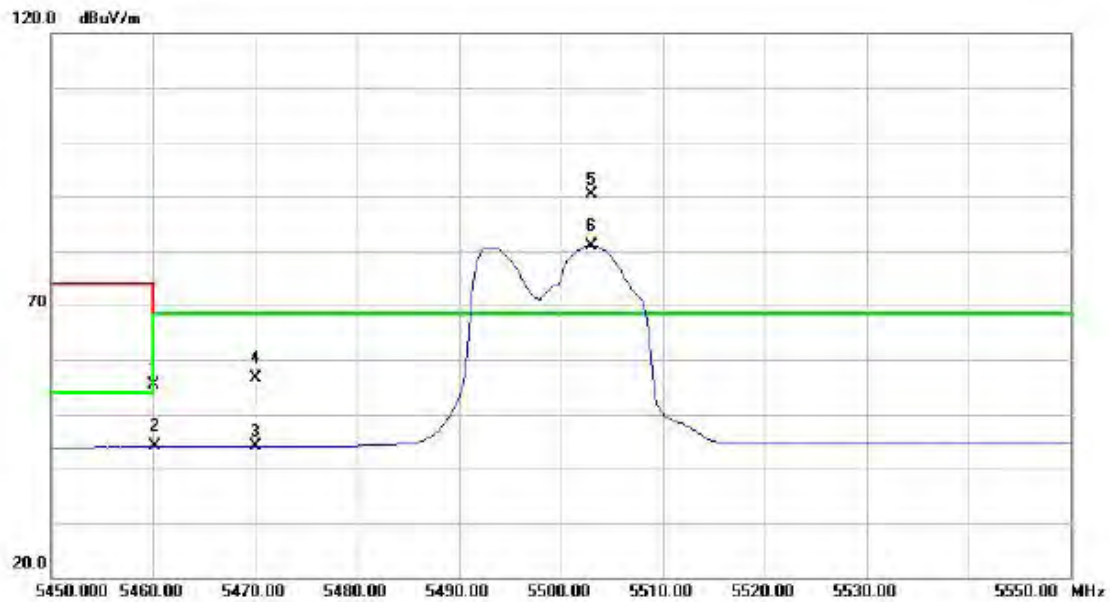
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10996.17	46.82	21.03	67.85	74.00	-6.15	peak	
2	*	10996.71	32.63	21.03	53.66	54.00	-0.34	AVG	
3		16500.63	45.84	20.05	65.89	68.30	-2.41	peak	
4		16500.63	32.84	20.05	52.89	68.30	-15.41	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5500MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	23.83	31.65	55.48	68.30	-12.82	peak	
2		5460.000	12.40	31.65	44.05	54.00	-9.95	AVG	
3		5470.000	12.47	31.66	44.13	68.30	-24.17	peak	
4		5470.000	24.89	31.66	56.55	68.30	-11.75	AVG	
5	*	5503.000	58.70	31.71	90.41	68.30	22.11	peak	No Limit
6	X	5503.000	49.25	31.71	80.96	68.30	12.66	AVG	No Limit

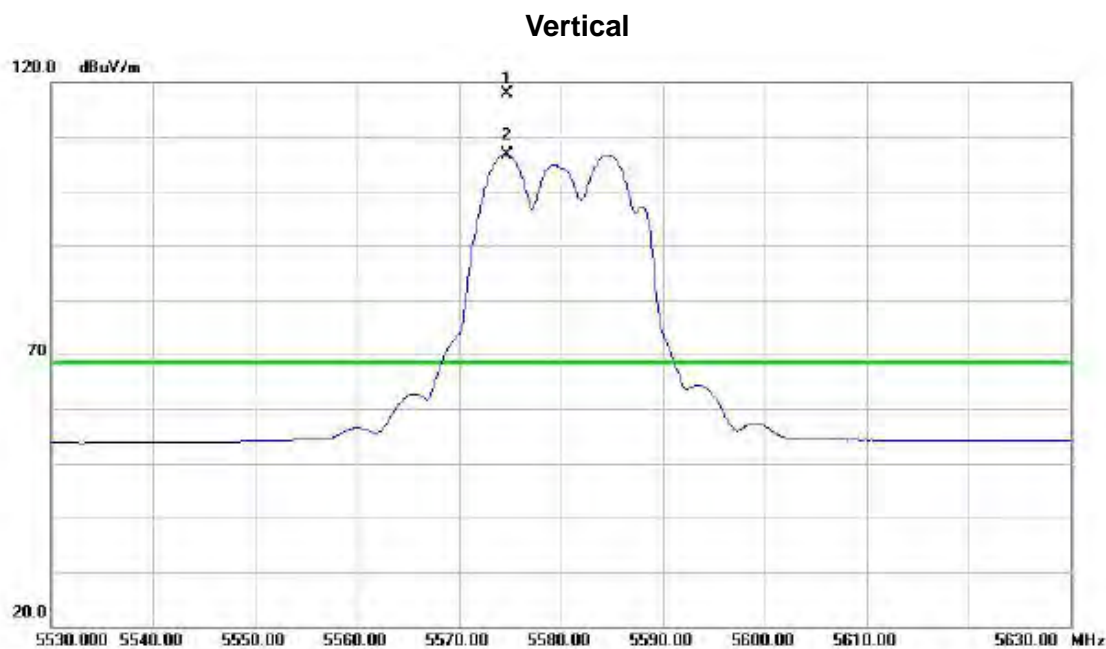
Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5500MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11003.00	42.92	21.05	63.97	74.00	-10.03	peak	
2	*	11003.00	30.95	21.05	52.00	54.00	-2.00	AVG	
3		16505.00	46.02	20.10	66.12	68.30	-2.18	peak	
4		16505.00	32.56	20.10	52.66	68.30	-15.64	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5580MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	5574.700	78.78	39.11	117.89	68.30	49.59	peak	No Limit
2	X	5574.700	67.59	39.11	106.70	68.30	38.40	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5580MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11160.70	44.97	20.82	65.79	74.00	-8.21	peak	
2	*	11160.70	32.78	20.82	53.60	54.00	-0.40	AVG	
3		16740.59	44.45	22.54	66.99	68.30	-1.31	peak	
4		16740.59	32.32	22.54	54.86	68.30	-13.44	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5580MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	5577.750	54.23	31.84	86.07	68.30	17.77	peak	No Limit
2	X	5577.750	45.12	31.84	76.96	68.30	8.66	AVG	No Limit

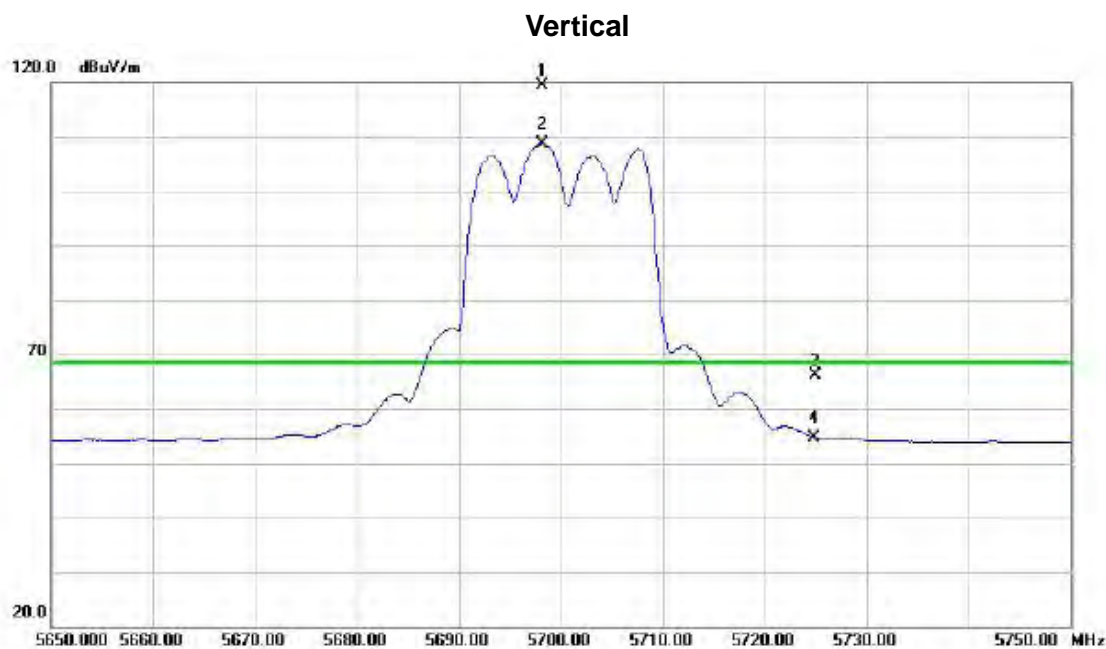
Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5580MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11159.50	43.34	20.82	64.16	74.00	-9.84	peak	
2	*	11159.50	31.05	20.82	51.87	54.00	-2.13	AVG	
3		16734.00	43.03	22.47	65.50	68.30	-2.80	peak	
4		16734.00	33.03	22.47	55.50	68.30	-12.80	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5700MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5698.200	79.98	39.40	119.38	68.30	51.08	peak	No Limit
2	X	5698.200	69.22	39.40	108.62	68.30	40.32	AVG	No Limit
3		5725.000	26.76	39.45	66.21	68.30	-2.09	peak	
4		5725.000	15.15	39.45	54.60	68.30	-13.70	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5700MHz

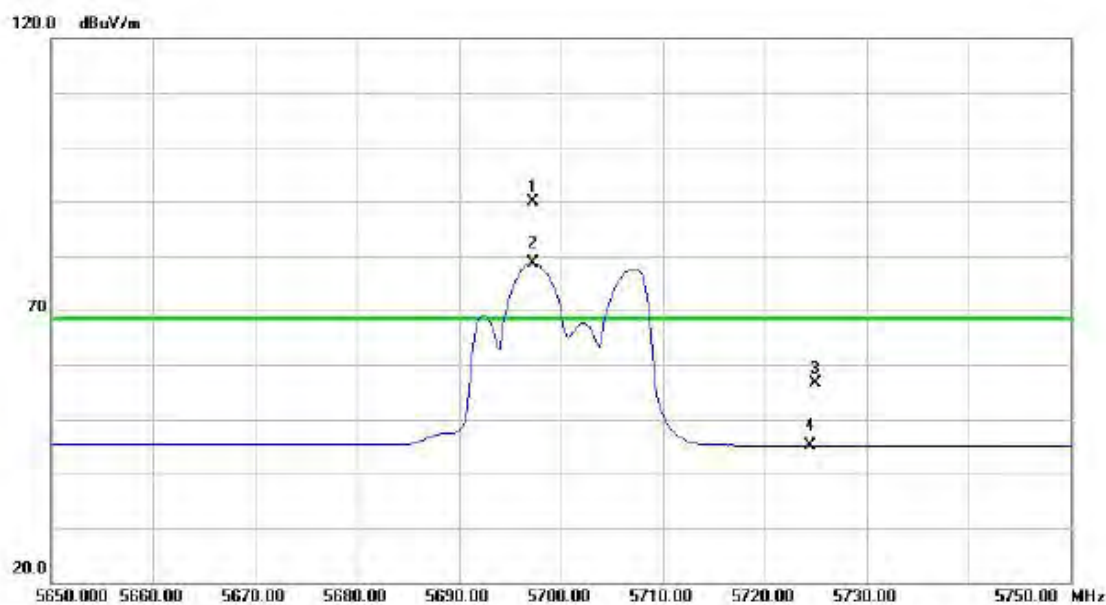
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11400.15	44.82	20.47	65.29	74.00	-8.71	peak	
2		11400.15	32.86	20.47	53.33	54.00	-0.67	AVG	
3	*	17099.74	42.61	25.31	67.92	68.30	-0.38	peak	
4		17099.74	32.85	25.31	58.16	68.30	-10.14	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5700MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5697.250	57.72	32.06	89.78	68.30	21.48	peak	No Limit
2	X	5697.250	46.53	32.06	78.59	68.30	10.29	AVG	No Limit
3		5725.000	24.53	32.10	56.63	68.30	-11.67	peak	
4		5725.000	13.04	32.10	45.14	68.30	-23.16	AVG	

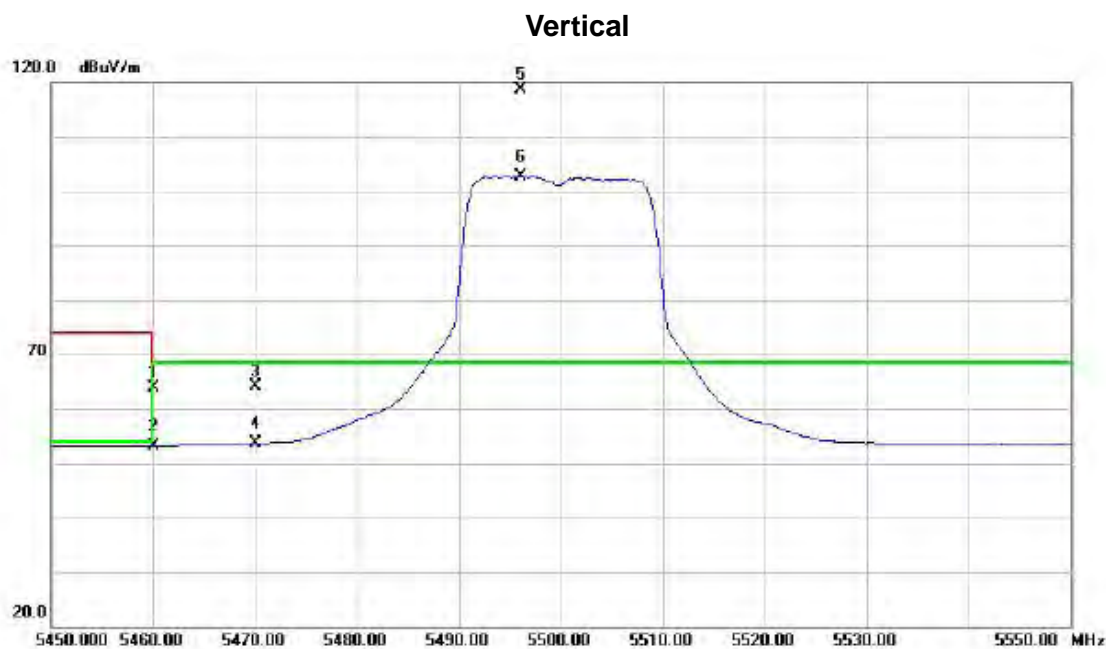
Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX A Mode 5700MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11407.50	43.75	20.47	64.22	74.00	-9.78	peak	
2	*	11407.50	31.50	20.47	51.97	54.00	-2.03	AVG	
3		17108.50	40.89	25.32	66.21	68.30	-2.09	peak	
4		17108.50	32.53	25.32	57.85	68.30	-10.45	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5500MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	24.95	38.81	63.76	68.30	-4.54	peak	
2		5460.000	14.40	38.81	53.21	54.00	-0.79	AVG	
3		5470.000	25.24	38.84	64.08	68.30	-4.22	peak	
4		5470.000	14.76	38.84	53.60	68.30	-14.70	AVG	
5	*	5496.100	79.76	38.94	118.70	68.30	50.40	peak	No Limit
6	X	5496.100	63.81	38.94	102.75	68.30	34.45	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5500MHz

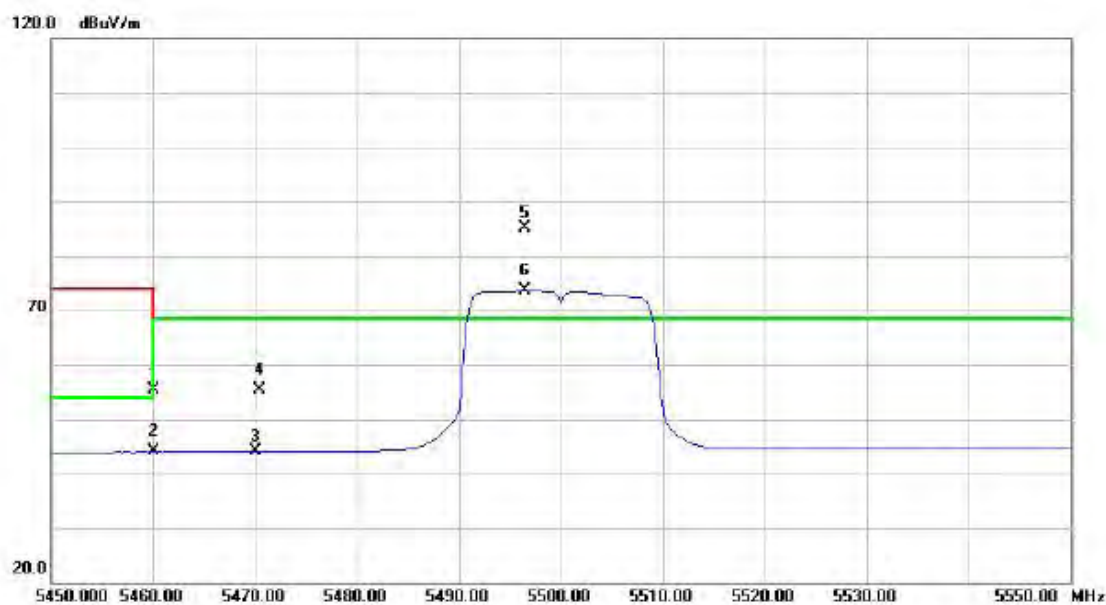
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10999.96	44.21	21.05	65.26	74.00	-8.74	peak	
2	*	10999.96	32.71	21.05	53.76	54.00	-0.24	AVG	
3		16500.82	44.56	20.05	64.61	68.30	-3.69	peak	
4		16500.82	32.65	20.05	52.70	68.30	-15.60	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5500MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	23.73	31.65	55.38	68.30	-12.92	peak	
2		5460.000	12.38	31.65	44.03	54.00	-9.97	AVG	
3		5470.000	12.41	31.66	44.07	68.30	-24.23	peak	
4		5470.000	23.81	31.66	55.47	68.30	-12.83	AVG	
5	*	5496.500	53.54	31.70	85.24	68.30	16.94	peak	No Limit
6	X	5496.500	42.02	31.70	73.72	68.30	5.42	AVG	No Limit

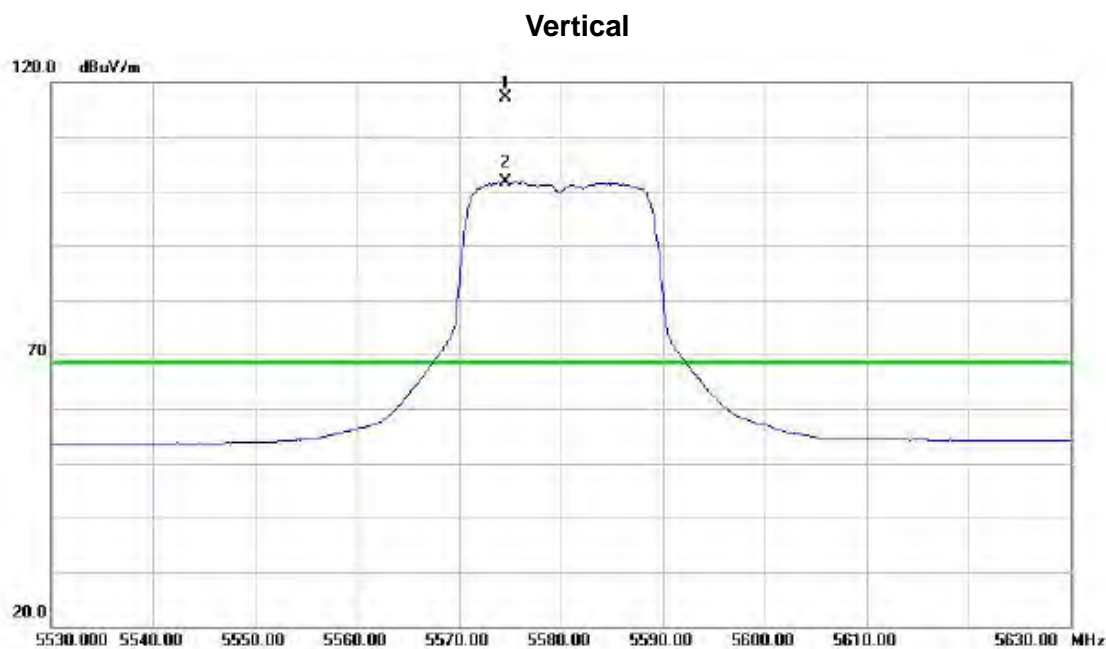
Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5500MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11001.00	42.99	21.05	64.04	74.00	-9.96	peak	
2	*	11001.00	30.89	21.05	51.94	54.00	-2.06	AVG	
3		16505.75	45.62	20.11	65.73	68.30	-2.57	peak	
4		16505.75	32.56	20.11	52.67	68.30	-15.63	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5580MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5574.600	77.92	39.11	117.03	68.30	48.73	peak	No Limit
2	X	5574.600	62.48	39.11	101.59	68.30	33.29	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5580MHz

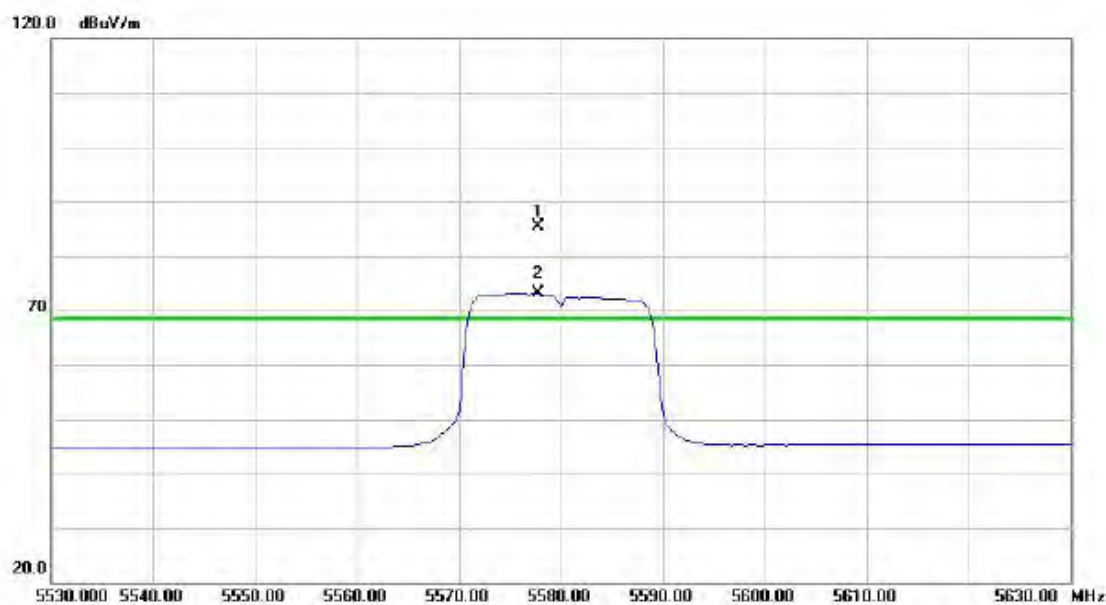
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11161.31	44.99	20.82	65.81	74.00	-8.19	peak	
2		11161.31	32.81	20.82	53.63	54.00	-0.37	AVG	
3	*	16740.37	45.40	22.54	67.94	68.30	-0.36	peak	
4		16740.37	32.18	22.54	54.72	68.30	-13.58	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5580MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5577.750	53.64	31.84	85.48	68.30	17.18	peak	No Limit
2	X	5577.750	41.24	31.84	73.08	68.30	4.78	AVG	No Limit

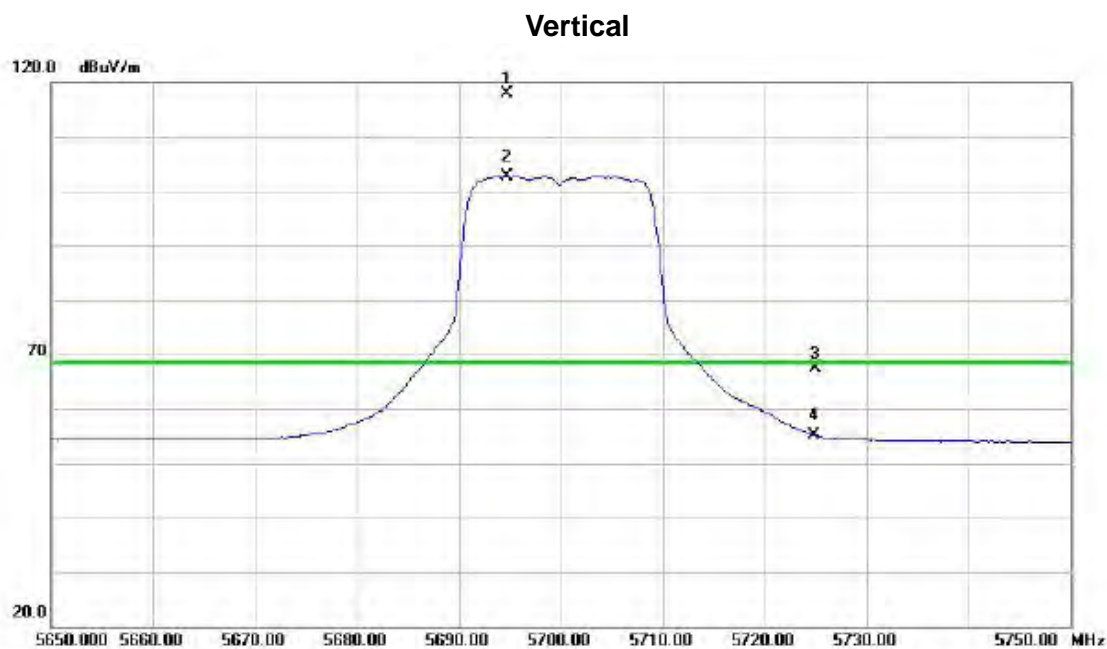
Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5580MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11166.00	43.23	20.81	64.04	74.00	-9.96	peak	
2	*	11166.00	31.13	20.81	51.94	54.00	-2.06	AVG	
3		16743.25	43.12	22.57	65.69	68.30	-2.61	peak	
4		16743.25	33.56	22.57	56.13	68.30	-12.17	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5700MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5694.700	78.38	39.39	117.77	68.30	49.47	peak	No Limit
2	X	5694.700	63.30	39.39	102.69	68.30	34.39	AVG	No Limit
3		5725.000	27.81	39.45	67.26	68.30	-1.04	peak	
4		5725.000	15.67	39.45	55.12	68.30	-13.18	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5700MHz

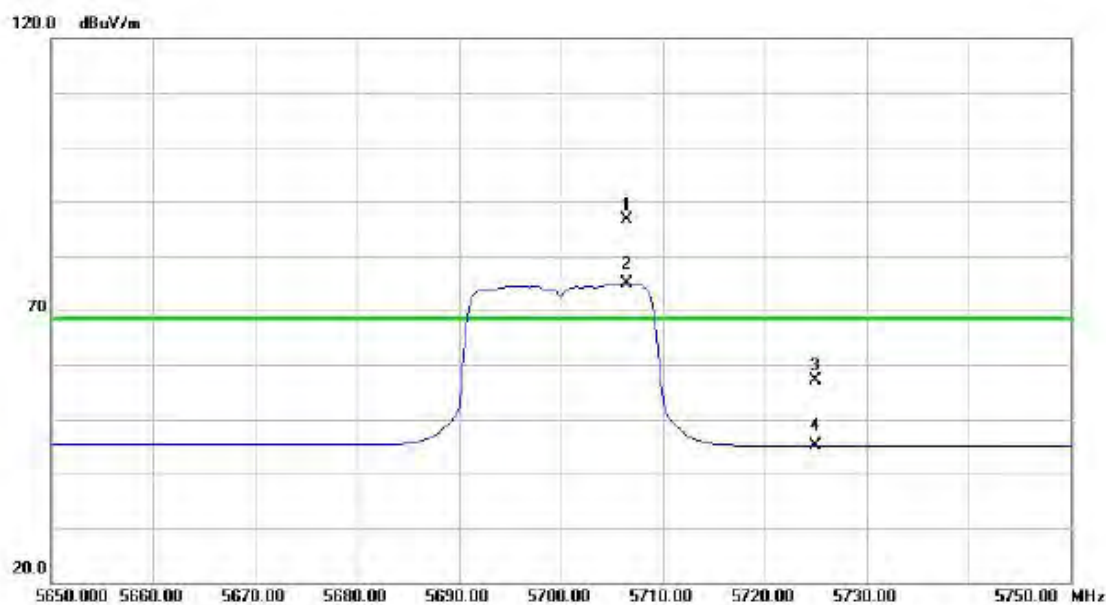
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11401.70	43.95	20.47	64.42	74.00	-9.58	peak	
2		11401.70	31.72	20.47	52.19	54.00	-1.81	AVG	
3	*	17096.34	42.66	25.31	67.97	68.30	-0.33	peak	
4		17096.34	33.56	25.31	58.87	68.30	-9.43	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5700MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5706.500	54.56	32.07	86.63	68.30	18.33	peak	No Limit
2	X	5706.500	42.88	32.07	74.95	68.30	6.65	AVG	No Limit
3		5725.000	24.91	32.10	57.01	68.30	-11.29	peak	
4		5725.000	13.07	32.10	45.17	68.30	-23.13	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N20 Mode 5700MHz

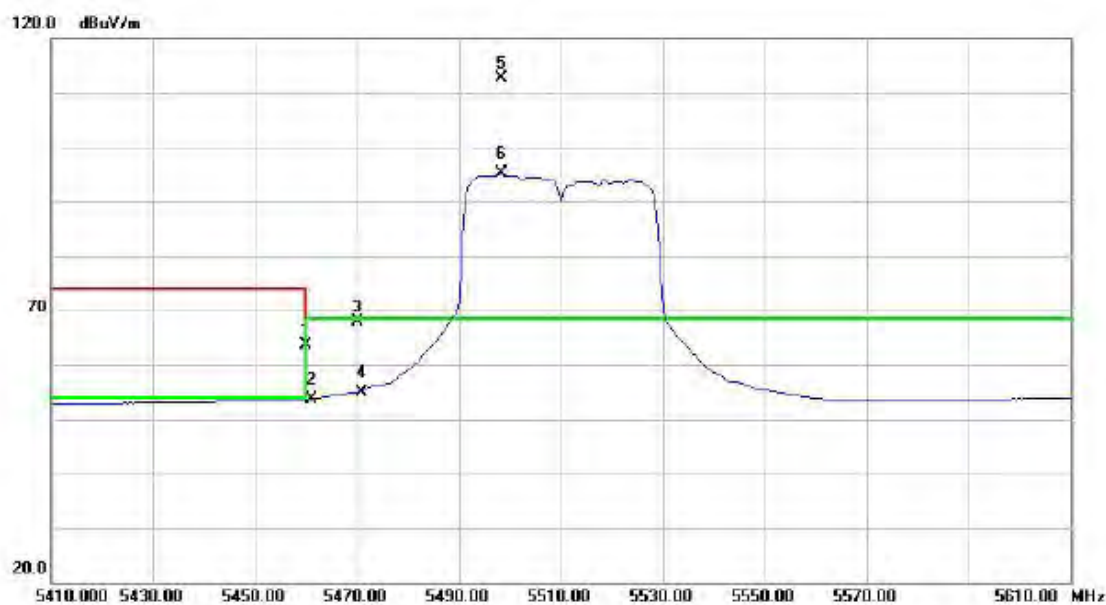
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11401.00	43.18	20.47	63.65	74.00	-10.35	peak	
2	*	11401.00	31.36	20.47	51.83	54.00	-2.17	AVG	
3		17096.00	40.58	25.31	65.89	68.30	-2.41	peak	
4		17096.00	32.44	25.31	57.75	68.30	-10.55	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5510MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	24.92	38.81	63.73	68.30	-4.57	peak	
2		5460.000	14.83	38.81	53.64	54.00	-0.36	AVG	
3		5470.000	29.12	38.84	67.96	68.30	-0.34	peak	
4		5470.000	16.14	38.84	54.98	68.30	-13.32	AVG	
5	*	5498.500	73.70	38.95	112.65	68.30	44.35	peak	No Limit
6	X	5498.500	56.11	38.95	95.06	68.30	26.76	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5510MHz

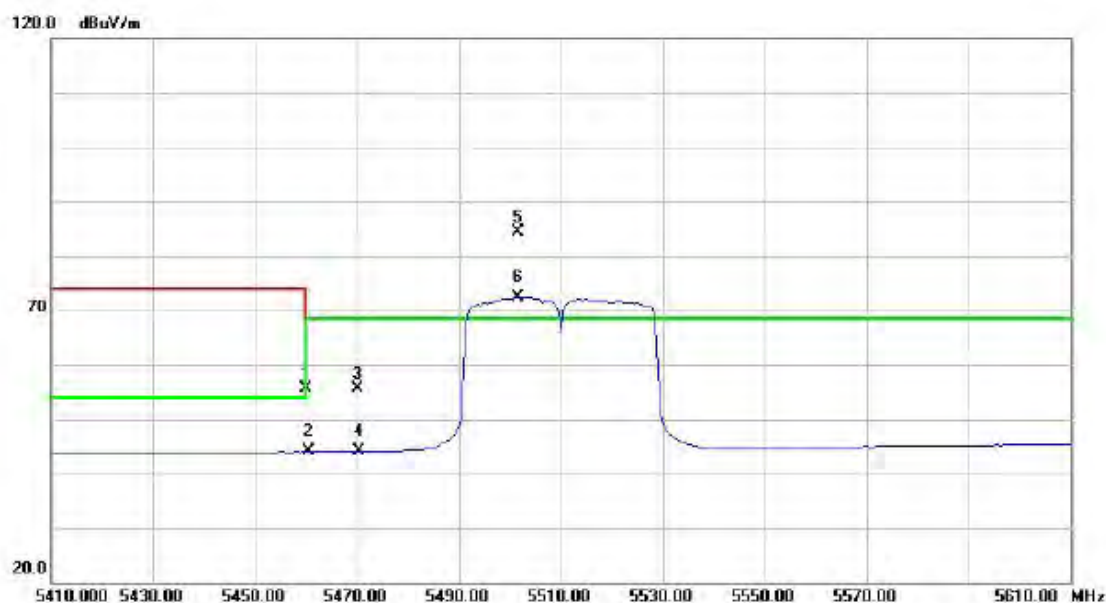
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11020.97	46.26	21.02	67.28	74.00	-6.72	peak	
2	*	11020.97	32.87	21.02	53.89	54.00	-0.11	AVG	
3		16532.13	46.03	20.38	66.41	68.30	-1.89	peak	
4		16532.13	33.30	20.38	53.68	68.30	-14.62	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5510MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	23.99	31.65	55.64	68.30	-12.66	peak	
2		5460.000	12.38	31.65	44.03	54.00	-9.97	AVG	
3		5470.000	24.07	31.66	55.73	68.30	-12.57	peak	
4		5470.000	12.45	31.66	44.11	68.30	-24.19	AVG	
5	*	5501.500	52.75	31.70	84.45	68.30	16.15	peak	No Limit
6	X	5501.500	40.73	31.70	72.43	68.30	4.13	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5510MHz

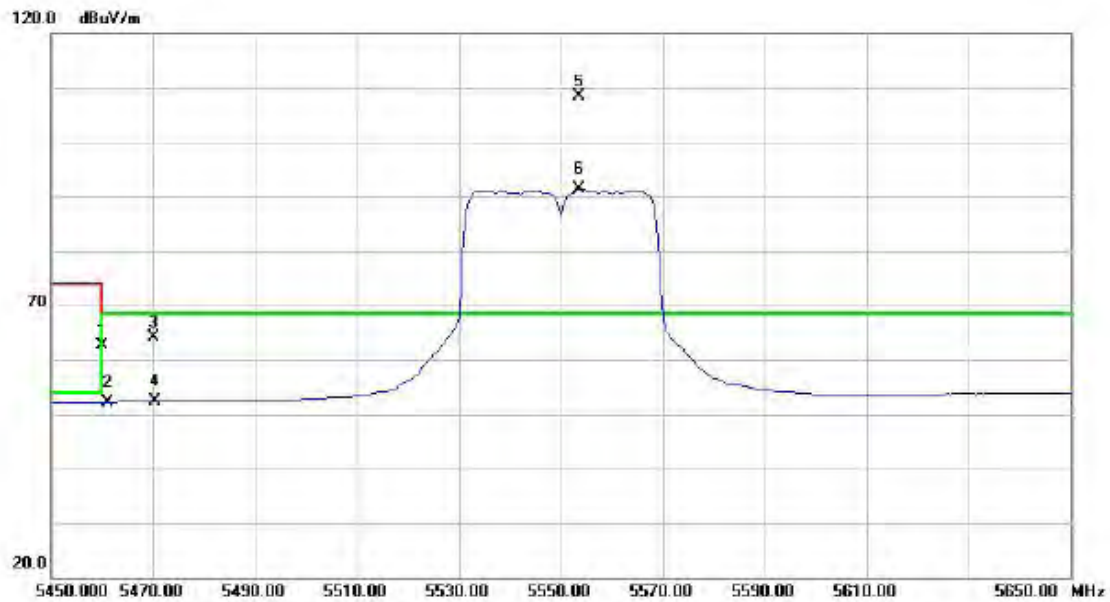
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11027.00	43.38	21.01	64.39	74.00	-9.61	peak	
2	*	11027.00	30.59	21.01	51.60	54.00	-2.40	AVG	
3		16522.50	44.74	20.29	65.03	68.30	-3.27	peak	
4		16522.50	32.23	20.29	52.52	68.30	-15.78	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5550MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	23.80	38.81	62.61	68.30	-5.69	peak	
2		5460.000	13.39	38.81	52.20	54.00	-1.80	AVG	
3		5470.000	25.30	38.84	64.14	68.30	-4.16	peak	
4		5470.000	13.49	38.84	52.33	68.30	-15.97	AVG	
5	*	5553.500	69.30	39.07	108.37	68.30	40.07	peak	No Limit
6	X	5553.500	52.24	39.07	91.31	68.30	23.01	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5550MHz

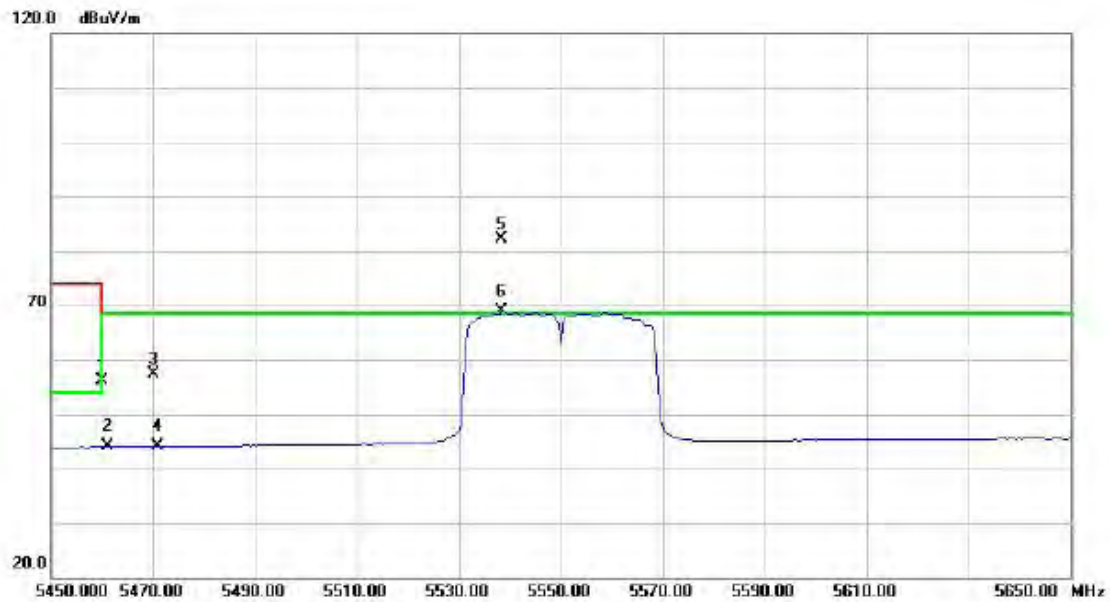
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11096.42	45.20	20.91	66.11	74.00	-7.89	peak	
2	*	11101.42	32.75	20.90	53.65	54.00	-0.35	AVG	
3		16650.18	44.94	21.60	66.54	68.30	-1.76	peak	
4		16650.18	32.99	21.60	54.59	68.30	-13.71	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5550MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	24.59	31.65	56.24	68.30	-12.06	peak	
2		5460.000	12.37	31.65	44.02	54.00	-9.98	AVG	
3		5470.000	25.66	31.66	57.32	68.30	-10.98	peak	
4		5470.000	12.43	31.66	44.09	68.30	-24.21	AVG	
5	*	5538.500	50.33	31.77	82.10	68.30	13.80	peak	No Limit
6	X	5538.500	37.13	31.77	68.90	68.30	0.60	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5550MHz

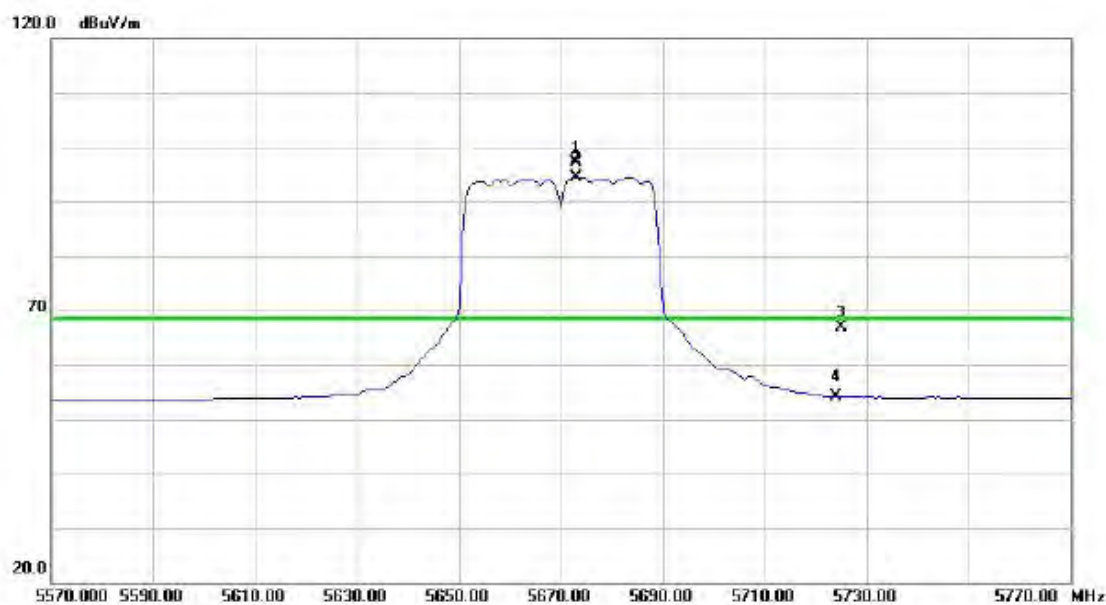
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11095.25	43.39	20.91	64.30	74.00	-9.70	peak	
2	*	11095.25	31.03	20.91	51.94	54.00	-2.06	AVG	
3		16646.50	44.36	21.56	65.92	68.30	-2.38	peak	
4		16646.50	34.20	21.56	55.76	68.30	-12.54	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5670MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5673.000	57.83	39.34	97.17	68.30	28.87	peak	No Limit
2	X	5673.000	55.12	39.34	94.46	68.30	26.16	AVG	No Limit
3		5725.000	27.50	39.45	66.95	68.30	-1.35	peak	
4		5725.000	14.60	39.45	54.05	68.30	-14.25	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5670MHz

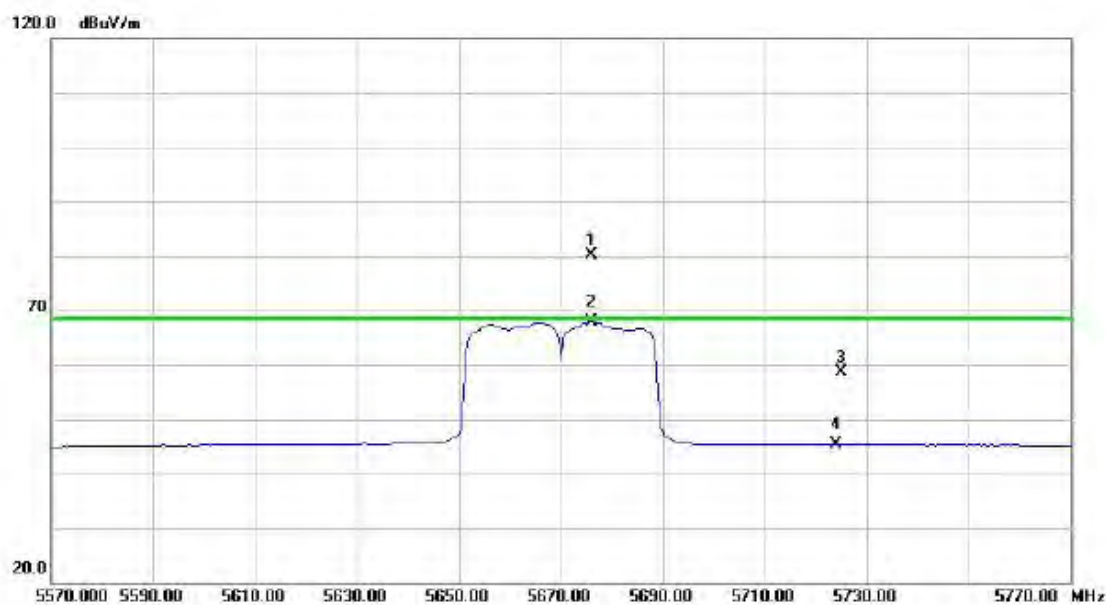
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11340.94	42.94	20.56	63.50	74.00	-10.50	peak	
2	*	11340.94	31.59	20.56	52.15	54.00	-1.85	AVG	
3		17010.62	38.78	25.24	64.02	68.30	-4.28	peak	
4		17010.62	32.57	25.24	57.81	68.30	-10.49	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5670MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5676.000	48.12	32.02	80.14	68.30	11.84	peak	No Limit
2		5676.000	35.85	32.02	67.87	68.30	-0.43	AVG	No Limit
3		5725.000	26.55	32.10	58.65	68.30	-9.65	peak	
4		5725.000	13.21	32.10	45.31	68.30	-22.99	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX N40 Mode 5670MHz

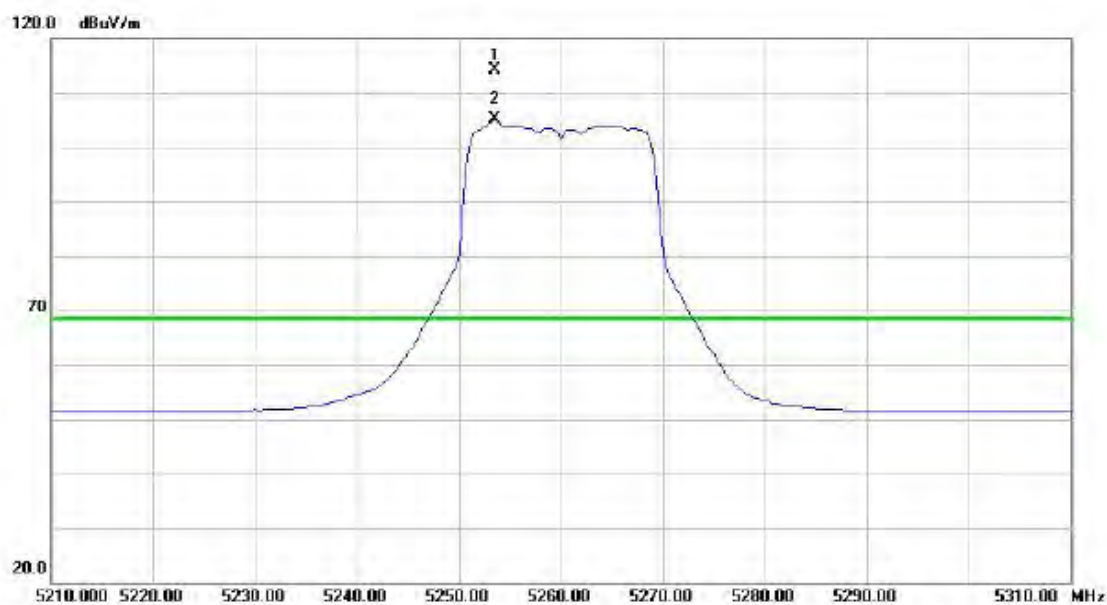
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11340.50	43.25	20.56	63.81	74.00	-10.19	peak	
2		11340.50	31.25	20.56	51.81	54.00	-2.19	AVG	
3	*	17012.75	41.03	25.25	66.28	68.30	-2.02	peak	
4		17012.75	31.59	25.25	56.84	68.30	-11.46	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5260MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5253.500	75.96	38.09	114.05	68.30	45.75	peak	No Limit
2	X	5253.500	66.92	38.09	105.01	68.30	36.71	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5260MHz

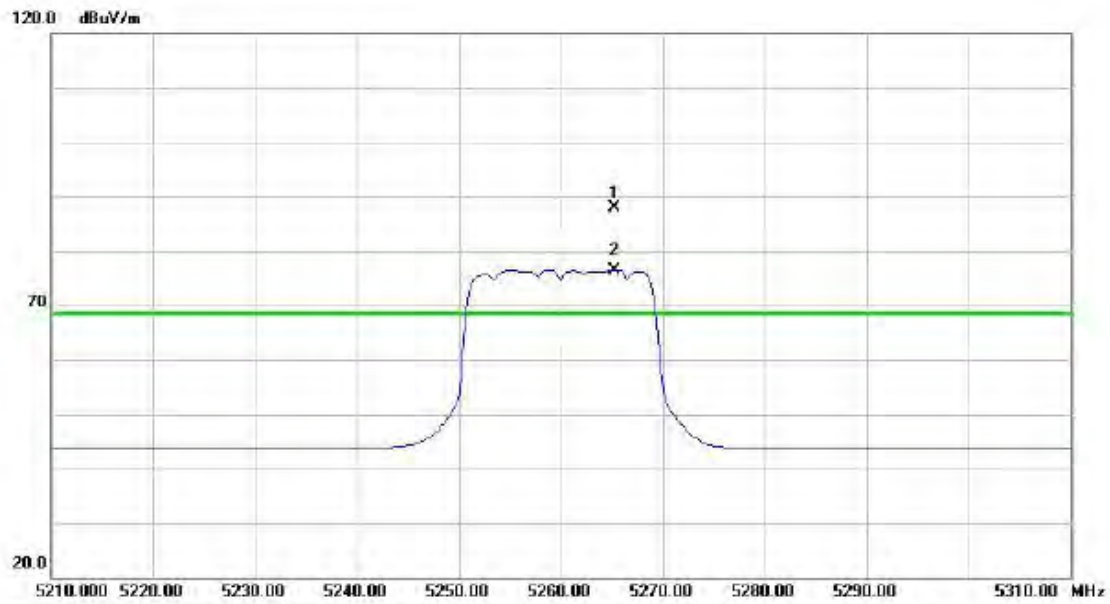
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10520.40	43.43	18.50	61.93	68.30	-6.37	peak	
2		10520.40	32.48	18.50	50.98	68.30	-17.32	AVG	
3		15780.93	44.72	19.39	64.11	74.00	-9.89	peak	
4	*	15780.93	32.57	19.39	51.96	54.00	-2.04	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5260MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	5265.250	56.38	31.42	87.80	68.30	19.50	peak	No Limit
2	X	5265.250	45.00	31.42	76.42	68.30	8.12	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5260MHz

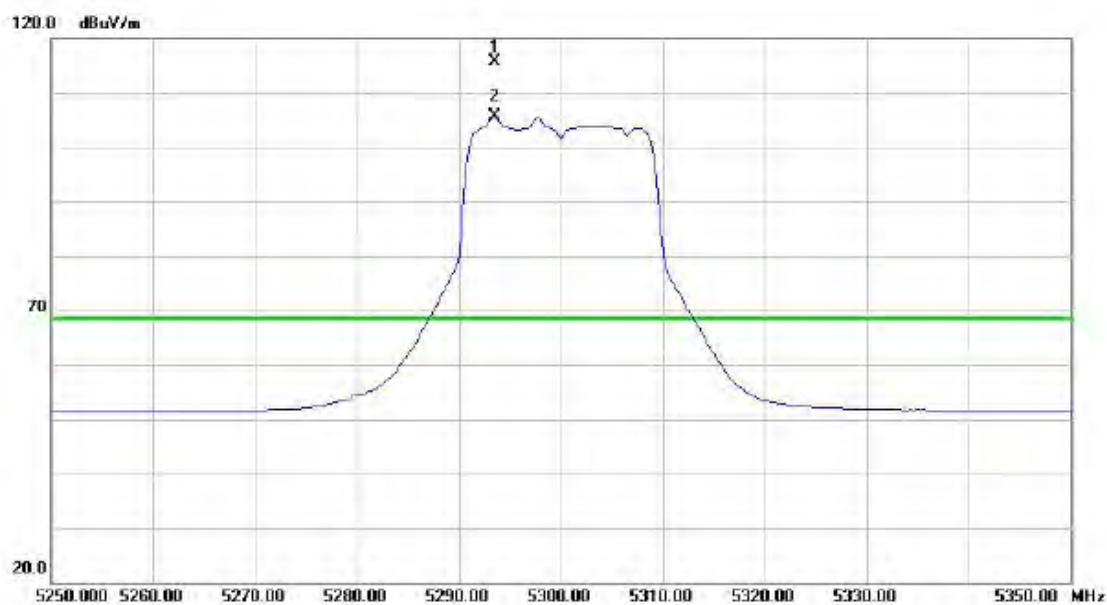
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		10519.27	44.09	18.50	62.59	68.30	-5.71	peak	
2		10519.27	32.85	18.50	51.35	68.30	-16.95	AVG	
3		15780.80	45.56	19.39	64.95	74.00	-9.05	peak	
4	*	15780.80	32.03	19.39	51.42	54.00	-2.58	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5293.500	77.30	38.23	115.53	68.30	47.23	peak	No Limit
2	X	5293.500	67.48	38.23	105.71	68.30	37.41	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

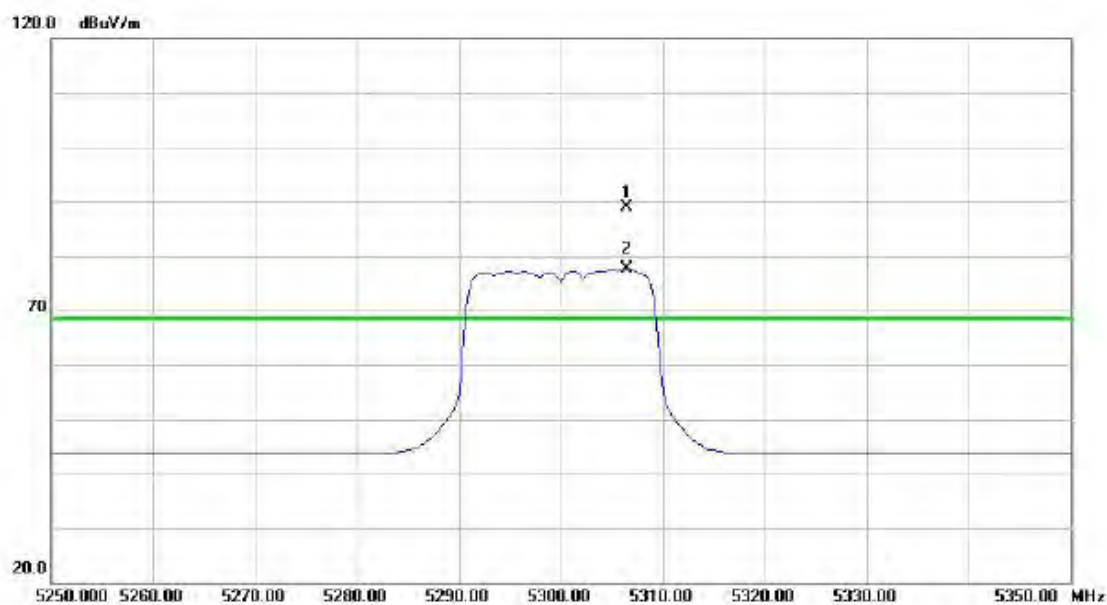
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10601.52	42.71	18.93	61.64	74.00	-12.36	peak	
2		10601.52	32.21	18.93	51.14	54.00	-2.86	AVG	
3		15900.31	44.23	19.43	63.66	74.00	-10.34	peak	
4	*	15900.31	32.14	19.43	51.57	54.00	-2.43	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5306.500	57.38	31.47	88.85	68.30	20.55	peak	No Limit
2	X	5306.500	46.18	31.47	77.65	68.30	9.35	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX A Mode 5300MHz

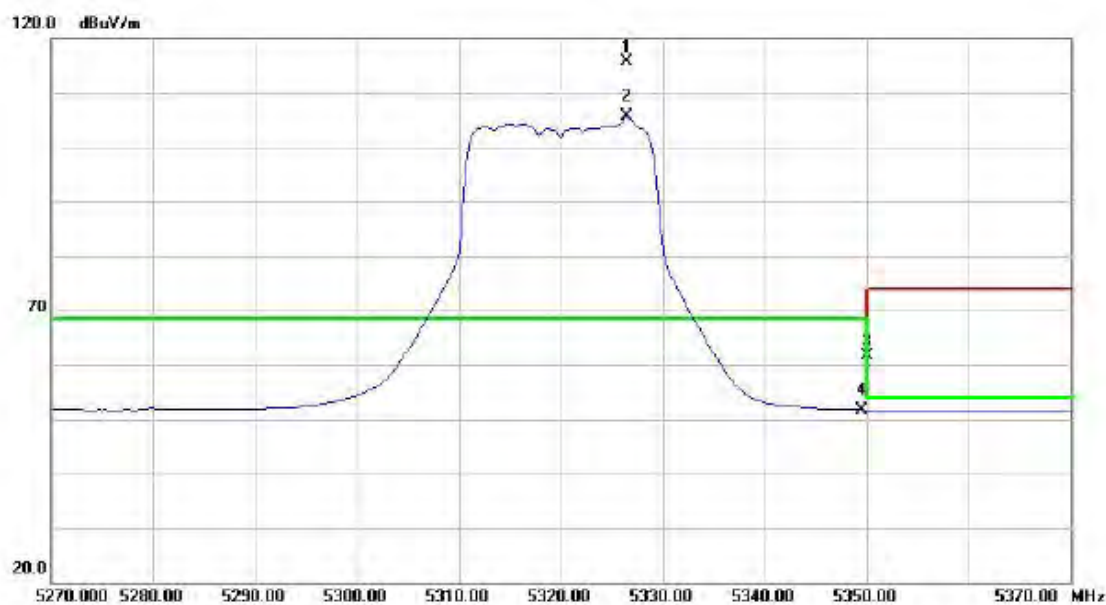
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10600.30	44.10	18.92	63.02	74.00	-10.98	peak	
2		10600.30	32.77	18.92	51.69	54.00	-2.31	AVG	
3		15898.85	44.95	19.43	64.38	74.00	-9.62	peak	
4	*	15898.85	32.43	19.43	51.86	54.00	-2.14	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5320MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5326.500	77.20	38.35	115.55	68.30	47.25	peak	No Limit
2	X	5326.500	67.19	38.35	105.54	68.30	37.24	AVG	No Limit
3		5350.000	23.10	38.43	61.53	68.30	-6.77	peak	
4		5350.000	13.24	38.43	51.67	54.00	-2.33	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5320MHz

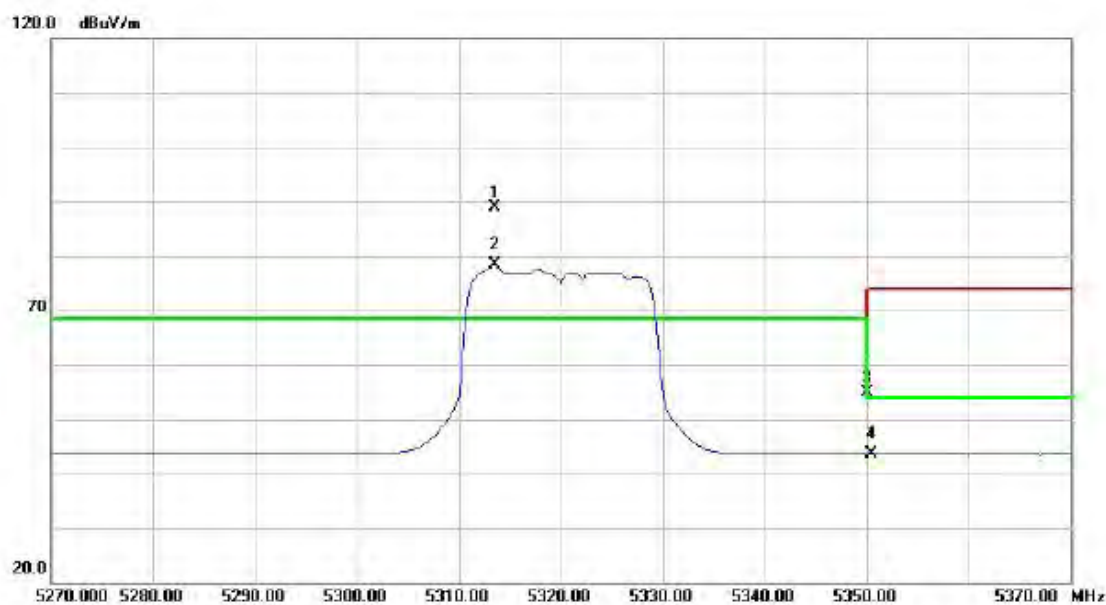
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10640.51	42.21	19.13	61.34	74.00	-12.66	peak	
2		10640.51	31.79	19.13	50.92	54.00	-3.08	AVG	
3		15960.36	43.53	19.45	62.98	74.00	-11.02	peak	
4	*	15960.36	32.41	19.45	51.86	54.00	-2.14	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5320MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5313.500	57.43	31.48	88.91	68.30	20.61	peak	No Limit
2	X	5313.500	46.83	31.48	78.31	68.30	10.01	AVG	No Limit
3		5350.000	23.44	31.52	54.96	68.30	-13.34	peak	
4		5350.000	12.04	31.52	43.56	54.00	-10.44	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5320MHz

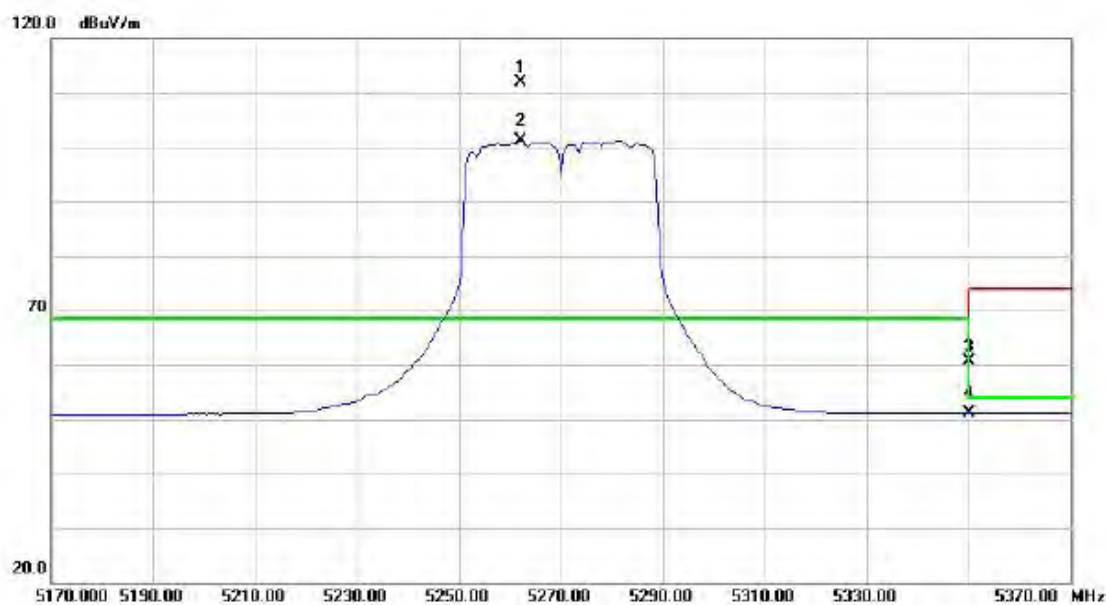
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10642.05	43.92	19.14	63.06	74.00	-10.94	peak	
2	*	10642.05	32.58	19.14	51.72	54.00	-2.28	AVG	
3		15960.15	45.03	19.45	64.48	74.00	-9.52	peak	
4		15960.15	31.78	19.45	51.23	54.00	-2.77	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5270MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5262.000	73.88	38.12	112.00	68.30	43.70	peak	No Limit
2	X	5262.000	63.01	38.12	101.13	68.30	32.83	AVG	No Limit
3		5350.000	22.30	38.43	60.73	68.30	-7.57	peak	
4		5350.000	12.66	38.43	51.09	54.00	-2.91	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5270MHz

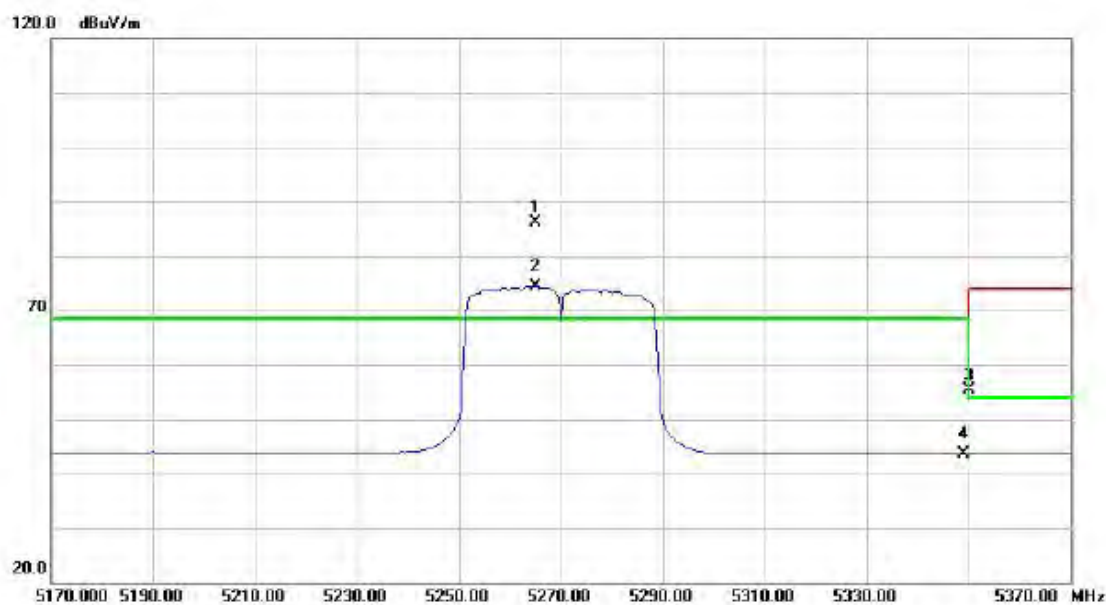
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10538.95	43.18	18.59	61.77	68.30	-6.53	peak	
2		10538.95	32.19	18.59	50.78	68.30	-17.52	AVG	
3		15811.68	43.76	19.39	63.15	74.00	-10.85	peak	
4	*	15811.68	32.60	19.39	51.99	54.00	-2.01	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5270MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5265.000	54.70	31.42	86.12	68.30	17.82	peak	No Limit
2	X	5265.000	43.07	31.42	74.49	68.30	6.19	AVG	No Limit
3		5350.000	23.89	31.52	55.41	68.30	-12.89	peak	
4		5350.000	12.04	31.52	43.56	54.00	-10.44	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5270MHz

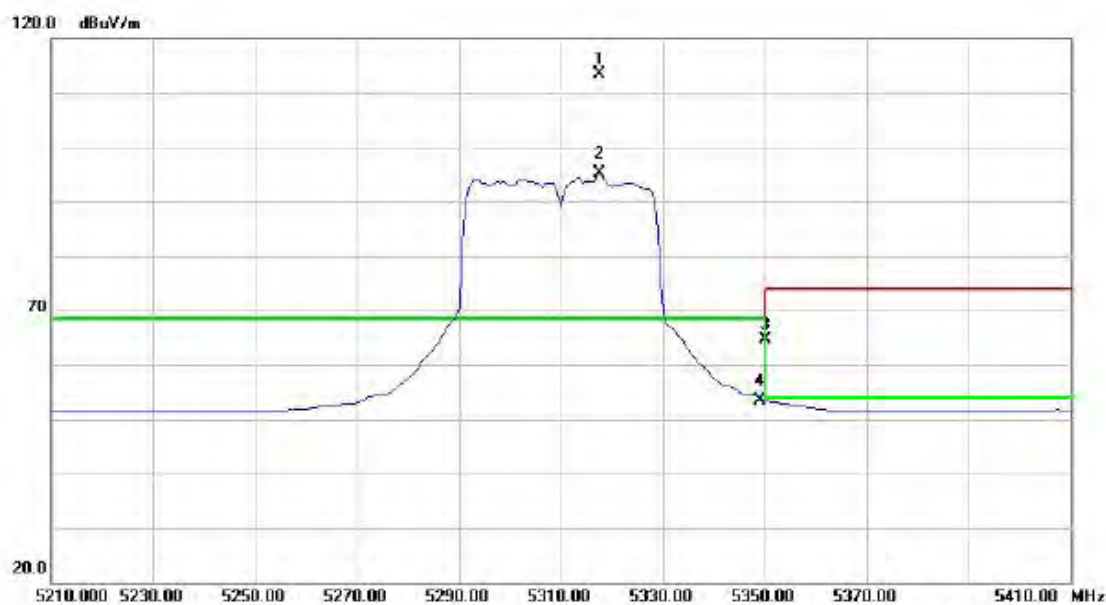
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10538.47	43.81	18.59	62.40	68.30	-5.90	peak	
2		10538.47	32.36	18.59	50.95	68.30	-17.35	AVG	
3		15811.87	45.28	19.39	64.67	74.00	-9.33	peak	
4	*	15811.87	31.87	19.39	51.26	54.00	-2.74	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5310MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5317.500	75.01	38.32	113.33	68.30	45.03	peak	No Limit
2	X	5317.500	56.78	38.32	95.10	68.30	26.80	AVG	No Limit
3		5350.000	26.20	38.43	64.63	68.30	-3.67	peak	
4		5350.000	15.04	38.43	53.47	54.00	-0.53	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5310MHz

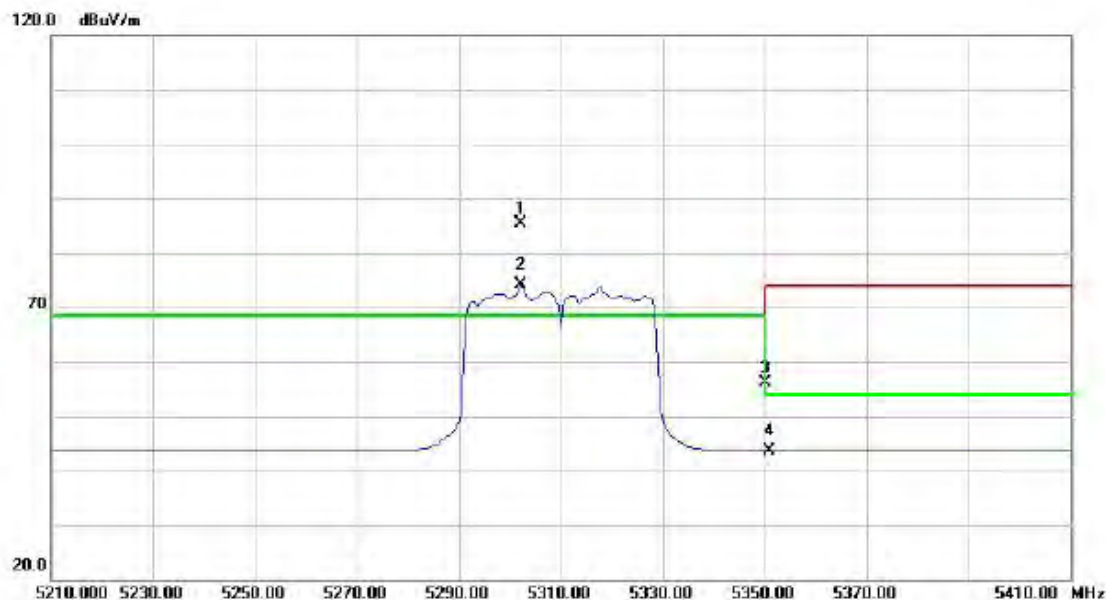
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10621.60	43.65	19.03	62.68	74.00	-11.32	peak	
2		10621.60	31.87	19.03	50.90	54.00	-3.10	AVG	
3		15932.40	44.46	19.44	63.90	74.00	-10.10	peak	
4	*	15932.40	32.72	19.44	52.16	54.00	-1.84	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5310MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5302.000	53.92	31.46	85.38	68.30	17.08	peak	No Limit
2	X	5302.000	42.56	31.46	74.02	68.30	5.72	AVG	No Limit
3		5350.000	24.64	31.52	56.16	68.30	-12.14	peak	
4		5350.000	12.07	31.52	43.59	54.00	-10.41	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC40 Mode 5310MHz

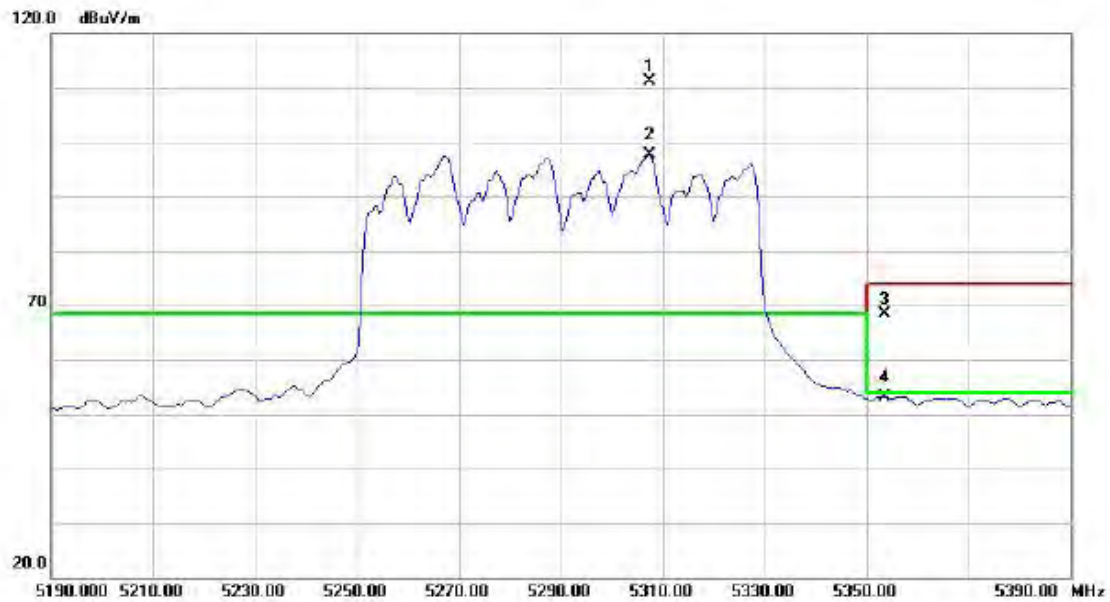
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10619.30	44.11	19.03	63.14	74.00	-10.86	peak	
2		10619.30	32.75	19.03	51.78	54.00	-2.22	AVG	
3		15930.22	45.17	19.44	64.61	74.00	-9.39	peak	
4	*	15930.22	32.45	19.44	51.89	54.00	-2.11	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC80 Mode 5290MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5307.500	72.80	38.28	111.08	68.30	42.78	peak	No Limit
2	X	5307.500	59.28	38.28	97.56	68.30	29.26	AVG	No Limit
3		5353.500	29.95	38.44	68.39	74.00	-5.61	peak	
4		5353.500	14.78	38.44	53.22	54.00	-0.78	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC80 Mode 5290MHz

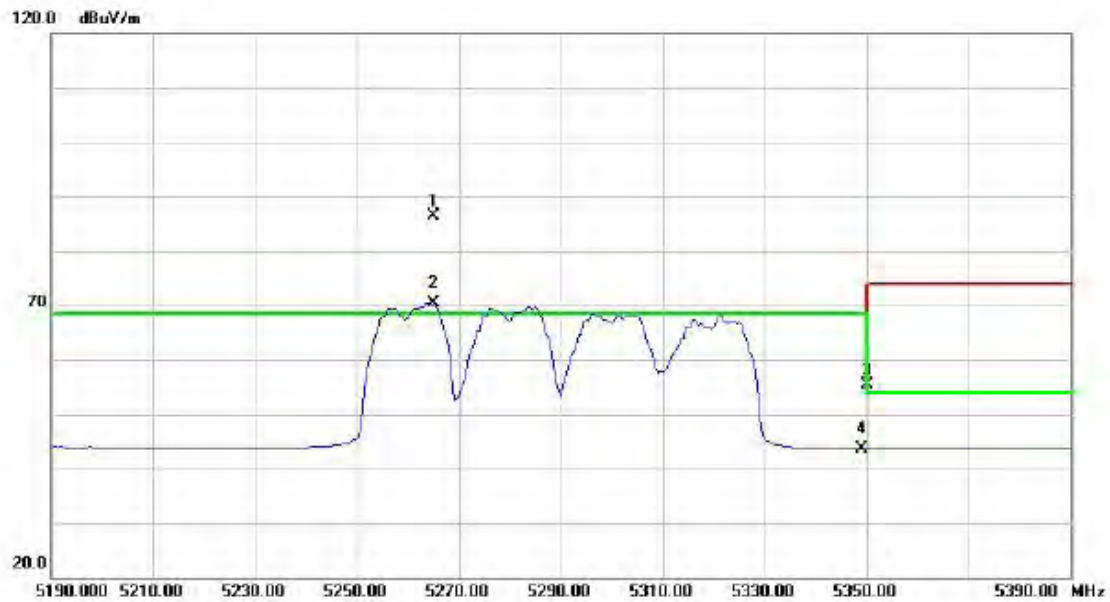
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10580.61	42.59	18.82	61.41	68.30	-6.89	peak	
2		10580.61	32.09	18.82	50.91	68.30	-17.39	AVG	
3		15870.37	43.50	19.41	62.91	74.00	-11.09	peak	
4	*	15870.37	32.52	19.41	51.93	54.00	-2.07	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC80 Mode 5290MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5265.000	55.05	31.42	86.47	68.30	18.17	peak	No Limit
2	X	5265.000	38.99	31.42	70.41	68.30	2.11	AVG	No Limit
3		5350.000	23.74	31.52	55.26	68.30	-13.04	peak	
4		5350.000	12.12	31.52	43.64	54.00	-10.36	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC80 Mode 5290MHz

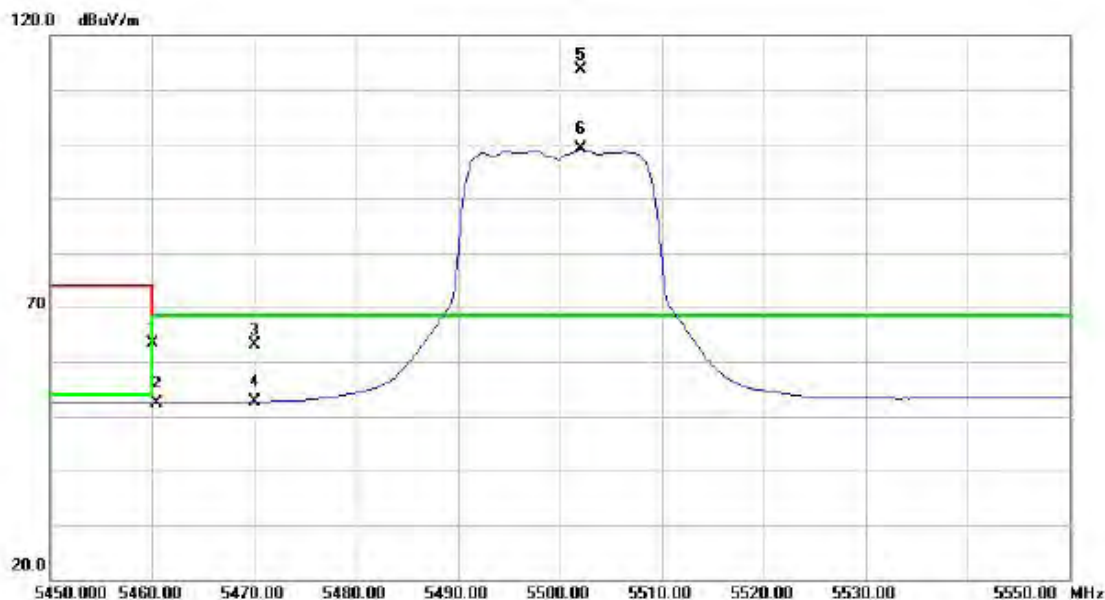
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		10580.55	43.52	18.81	62.33	68.30	-5.97	peak	
2		10580.55	32.65	18.81	51.46	68.30	-16.84	AVG	
3		15869.00	44.83	19.41	64.24	74.00	-9.76	peak	
4	*	15869.00	32.46	19.41	51.87	54.00	-2.13	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5500MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	24.63	38.81	63.44	68.30	-4.86	peak	
2		5460.000	13.64	38.81	52.45	54.00	-1.55	AVG	
3		5470.000	24.38	38.84	63.22	68.30	-5.08	peak	
4		5470.000	13.88	38.84	52.72	68.30	-15.58	AVG	
5	*	5502.000	74.73	38.95	113.68	68.30	45.38	peak	No Limit
6	X	5502.000	60.09	38.95	99.04	68.30	30.74	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5500MHz

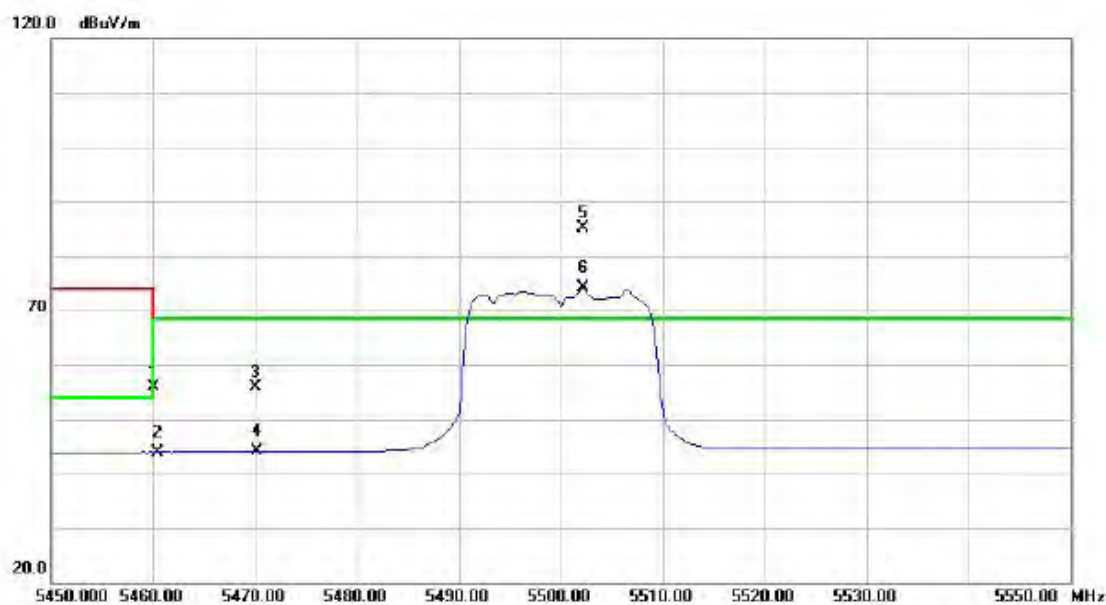
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11000.78	44.14	21.05	65.19	74.00	-8.81	peak	
2	*	11001.03	32.64	21.05	53.69	54.00	-0.31	AVG	
3		16499.61	45.10	20.05	65.15	68.30	-3.15	peak	
4		16499.61	32.78	20.05	52.83	68.30	-15.47	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5500MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	24.12	31.65	55.77	68.30	-12.53	peak	
2		5460.000	12.35	31.65	44.00	54.00	-10.00	AVG	
3		5470.000	24.32	31.66	55.98	68.30	-12.32	peak	
4		5470.000	12.41	31.66	44.07	68.30	-24.23	AVG	
5	*	5502.250	53.48	31.70	85.18	68.30	16.88	peak	No Limit
6	X	5502.250	42.36	31.70	74.06	68.30	5.76	AVG	No Limit

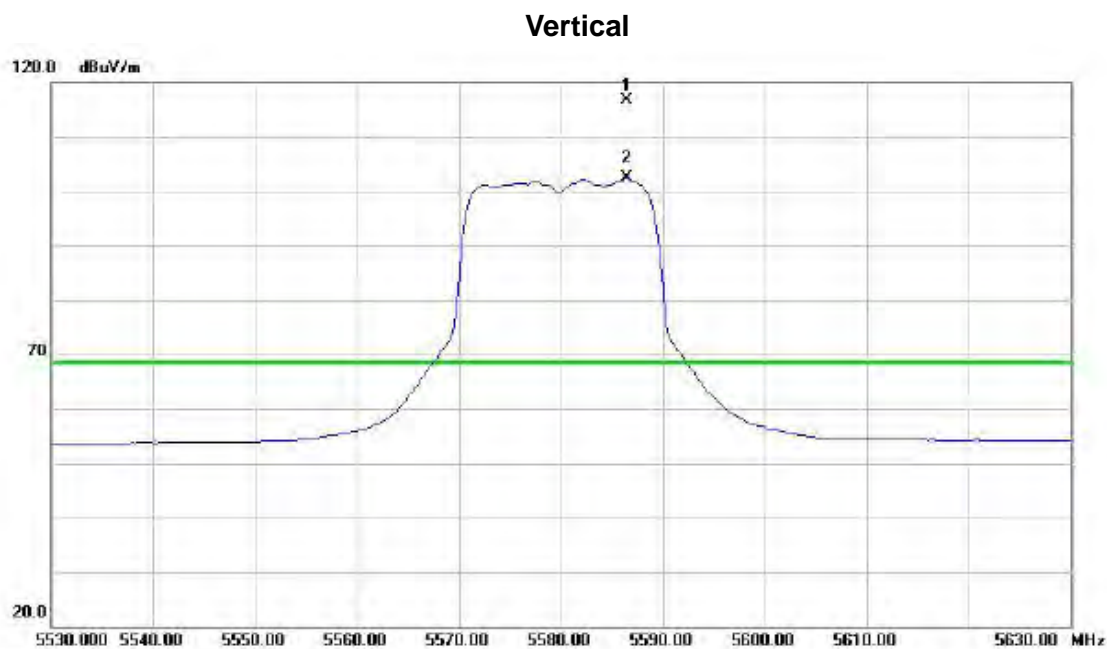
Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5500MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11000.77	43.33	21.05	64.38	74.00	-9.62	peak	
2	*	11000.77	30.89	21.05	51.94	54.00	-2.06	AVG	
3		16552.05	45.50	20.59	66.09	68.30	-2.21	peak	
4		16552.05	32.03	20.59	52.62	68.30	-15.68	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5580MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	5586.500	77.38	39.15	116.53	68.30	48.23	peak	No Limit
2	X	5586.500	63.15	39.15	102.30	68.30	34.00	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5580MHz

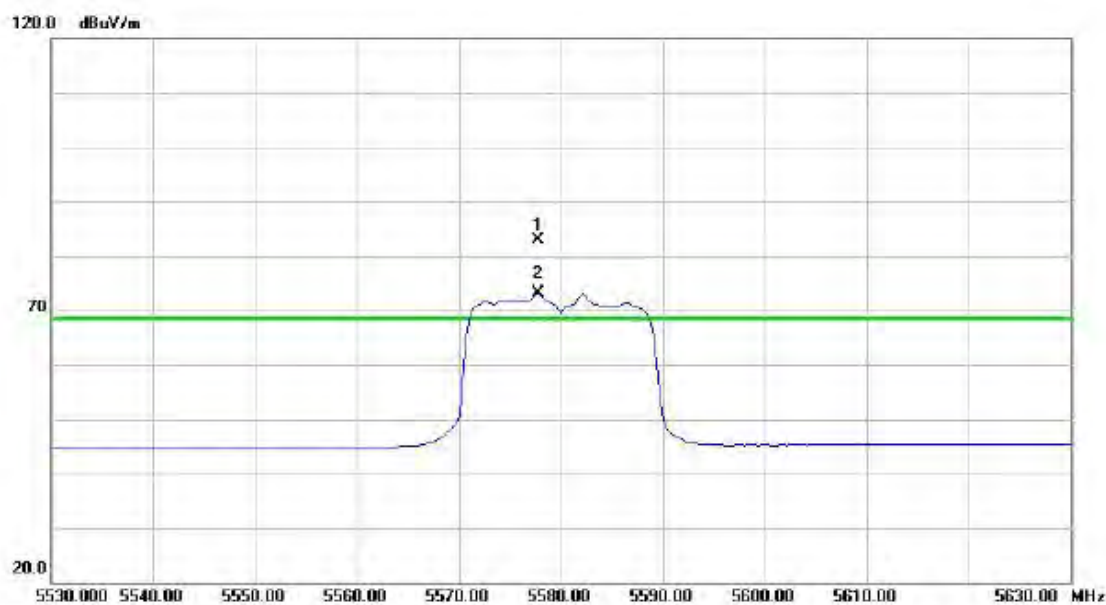
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11161.12	44.88	20.82	65.70	74.00	-8.30	peak	
2	*	11161.12	32.89	20.82	53.71	54.00	-0.29	AVG	
3		16739.92	44.48	22.54	67.02	68.30	-1.28	peak	
4		16739.92	32.68	22.54	55.22	68.30	-13.08	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5580MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	5577.750	51.05	31.84	82.89	68.30	14.59	peak	No Limit
2	X	5577.750	41.21	31.84	73.05	68.30	4.75	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5580MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		11158.25	44.16	20.83	64.99	74.00	-9.01	peak	
2	*	11158.25	31.03	20.83	51.86	54.00	-2.14	AVG	
3		16739.95	42.89	22.54	65.43	68.30	-2.87	peak	
4		16739.95	32.58	22.54	55.12	68.30	-13.18	AVG	