

FCCRadio Test Report

FCC ID:QISR250D

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

Project No. : 1609C073C
Equipment : Remote Unit
Model Name : R250D
Applicant : Huawei Technologies Co.,Ltd.
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd.,Bantian, Longgang District, Shenzhen 518129 China

Date of Receipt : Sep. 19, 2016
Date of Test : Sep. 19, 2016 ~ Dec. 21, 2016
Issued Date : Dec. 22, 2016
Tested by : BTL Inc.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1609C073C	Original Issue.	Dec. 21, 2016

1. CERTIFICATION

Equipment : Remote Unit
Brand Name : HUAWEI
Model Name : R250D
Applicant : Huawei Technologies Co.,Ltd.
Manufacturer : Huawei Technologies Co.,Ltd.
Address : Administration Building, Huawei Base, Bantian, Longgang District ,Shenzhen
518129, P.R.China
Factory : CIG Shanghai Co., Ltd., Shanghai Branch
Address : F/2,3 Building 1, No.505 Jiangyue Road,Minhang District,Shanghai,P.R.China
Date of Test : Sep. 19, 2016 ~ Dec. 21, 2016
Test Sample : ENGINEERING SAMPLE
Standard(s) : FCC Part15, Subpart E(15.407) / ANSI C63.10-2013

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-1-1609C073C) 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(15.407)			
Standard(s) Section	Test Item	Judgment	Remark
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	

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 is at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.
 BTL's test firm number for FCC: 319330

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{CISPR} requirement.

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%.

A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)
DG-C02	CISPR	150 KHz~30MHz	1.94

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9kHz~30MHz	V	3.79
		9kHz~30MHz	H	3.57
		30MHz~200MHz	V	3.82
		30MHz~200MHz	H	3.60
		200MHz~ 1,000MHz	V	3.86
		200MHz~ 1,000MHz	H	3.94
		1GHz~18GHz	V	3.12
		1GHz~18GHz	H	3.68
		18GHz~40GHz	V	4.15
		18GHz~40GHz	H	4.14

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Remote Unit	
Brand Name	HUAWEI	
Model Name	R250D	
Mode Different	N/A	
Product Description	Operation Frequency	UNII-2A: 5250-5350MHz UNII-2C: 5470-5725MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	867Mbps
Power Source	Supplied from PoE.	
Power Rating	DC -48V, 0.35A	
Output Power	Output Power (Max.)for UNII-2A (1TX)Non-Beamforming	802.11a:19.10dBm 802.11n (20M): 19.04dBm 802.11n (40M): 17.12dBm 802.11ac wave2(20 MHz): 19.07dBm 802.11ac wave2(40 MHz): 17.04dBm 802.11ac wave2(80 MHz): 15.88dBm
	Output Power (Max.)for UNII-2C (1TX)Non-Beamforming	802.11a:18.85dBm 802.11n (20M): 18.80dBm 802.11n (40M): 16.49dBm 802.11ac wave2(20 MHz): 18.83dBm 802.11ac wave2(40 MHz): 16.49dBm 802.11ac wave2(80 MHz): 15.19dBm
	Output Power (Max.)for UNII-2A (2TX)Non-Beamforming	802.11a:21.52dBm 802.11n (20M): 21.42dBm 802.11n (40M): 19.85dBm 802.11ac wave2(20 MHz): 21.42dBm 802.11ac wave2(40 MHz): 19.78dBm 802.11ac wave2(80 MHz): 18.67dBm
	Output Power (Max.)for UNII-2C (2TX)Non-Beamforming	802.11a:20.86dBm 802.11n (20M): 20.78dBm 802.11n (40M): 19.56dBm 802.11ac wave2(20 MHz): 20.79dBm 802.11ac wave2(40 MHz): 19.49dBm 802.11ac wave2(80 MHz): 17.90dBm
	Output Power (Max.)for UNII-2A (2TX) Beamforming	802.11n (20M): 17.75dBm 802.11n (40M): 19.77dBm 802.11ac wave2(20 MHz): 17.85dBm 802.11ac wave2(40 MHz): 19.54dBm 802.11ac wave2(80 MHz): 18.51dBm
	Output Power (Max.)for UNII-2C (2TX) Beamforming	802.11n (20M): 18.22dBm 802.11n (40M): 19.56dBm 802.11ac wave2(20 MHz): 17.99dBm 802.11ac wave2(40 MHz): 19.30dBm 802.11ac wave2(80 MHz): 17.90dBm

Note:

1. 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	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.	Manufacturer	Model Name	Antenna Type	Connector	Gain(dBi)
1	泓林微电子(昆山)有限公司	N/A	Internal	U.FL	6.3
2	HUAWEI	N/A	Internal	N/A	6.3

Note:

(1) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R), all transmit signals are completely correlated, then, **Direction gain = G_{ANT}**, that is Directional gain=6.3.

The UNII-2Aout power limit is $24-(6.30-6)=23.70$,

UNII-2Cout power limit is $24-(6.30-6)=23.70$

the UNII-2Apower density limit is $11-(6.30-6)=10.70$,

UNII-2Cpower density limit is $11-(6.30-6)=10.70$

(2) **For 2TX with beamforming:**

The EUT with beamforming function, then, Direction gain = $G_{ANT}+10\log(N_{ANT})$.

For 2TX with beamforming: Directional gain= $6.3+10\log(2)=6.3+3=9.3$ dBi.

The beamforming ANT gain is 3.

The UNII-2Aout power limit is $24-(9.3-6)=20.70$,

UNII-2Cout power limit is $24-(9.3-6)=20.70$

the UNII-2Apower density limit is $11-(9.3-6)=7.70$,

UNII-2Cpower density limit is $11-(9.3-6)=7.70$

Remark: When antenna gain is larger than 6dBi , for every 1 dBi increase in gain, the power limit is reduced by 1 dBm.

4.

Operating Mode	TX Mode	2TX
802.11a		V (Ant 1+Ant 2)
802.11n(20MHz)		V (Ant 1+Ant 2)
802.11n(40MHz)		V (Ant 1+Ant 2)
802.11ac(20MHz)		V (Ant 1+Ant 2)
802.11ac(40MHz)		V (Ant 1+Ant 2)
802.11ac80MHz)		V (Ant 1+Ant 2)

3.2 DESCRIPTION OF TEST MODES

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

Pretest 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, CH122 (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, CH122 (UNII-2C)

Note:

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

3.3 TABLE OF PARAMETERS OF TEST 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 - 1TX Non-Beamforming			
Test Software Version	QSPR		
Frequency (MHz)	5260	5300	5320
A Mode	17	17	17
Frequency (MHz)	5260	5300	5320
N20 Mode	17	17	17
Frequency (MHz)	5270	5310	
N40 Mode	15	15	

UNII-2C - 1TX Non-Beamforming			
Test Software Version	QSPR		
Frequency (MHz)	5500	5580	5700
A Mode	17	17	17
Frequency (MHz)	5500	5580	5700
N20 Mode	17	17	17
Frequency (MHz)	5510	5550	5670
N40 Mode	15	15	15

UNII-2A - 1TX Non-Beamforming			
Test Software Version	QSPR		
Frequency (MHz)	5260	5300	5320
AC20 Mode	17	17	17
Frequency (MHz)	5270	5310	
AC40 Mode	15	15	
Frequency (MHz)	5290		
AC80 Mode	14		

UNII-2C - 1TX Non-Beamforming			
Test Software Version	QSPR		
Frequency (MHz)	5500	5580	5700
AC20 Mode	17	17	17
Frequency (MHz)	5510	5550	5670
AC40 Mode	15	15	15
Frequency (MHz)	5530	5610	
AC80 Mod	14	14	

UNII-2A - 2TX Non-Beamforming			
Test Software Version	QSPR		
Frequency (MHz)	5260	5300	5320
A Mode	17	17	17
Frequency (MHz)	5260	5300	5320
N20 Mode	17	17	17
Frequency (MHz)	5270	5310	
N40 Mode	15	15	

UNII-2C - 2TX Non-Beamforming			
Test Software Version	QSPR		
Frequency (MHz)	5500	5580	5700
A Mode	17	17	16
Frequency (MHz)	5500	5580	5700
N20 Mode	17	17	16
Frequency (MHz)	5510	5550	5670
N40 Mode	15	15	15

UNII-2A - 2TX Non-Beamforming			
Test Software Version	QSPR		
Frequency (MHz)	5260	5300	5320
AC20 Mode	17	17	17
Frequency (MHz)	5270	5310	
AC40 Mode	15	15	
Frequency (MHz)	5290		
AC80 Mode	14		

UNII-2C - 2TX Non-Beamforming			
Test Software Version	QSPR		
Frequency (MHz)	5500	5580	5700
AC20 Mode	17	17	16
Frequency (MHz)	5510	5550	5670
AC40 Mode	15	15	15
Frequency□(MHz)	5530	5610	
AC80 Mode	14	14	

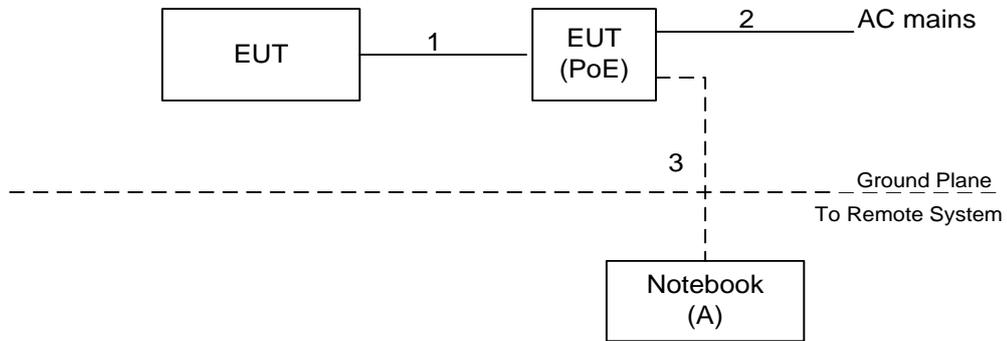
UNII-2A - 2TX Beamforming			
Test Software Version	QSPR		
Frequency (MHz)	5260	5300	5320
N20 Mode	15	15	15
Frequency (MHz)	5270	5310	
N40 Mode	15	15	

UNII-2C - 2TX Beamforming			
Test Software Version	QSPR		
Frequency (MHz)	5500	5580	5700
N20 Mode	15	15	15
Frequency (MHz)	5510	5550	5670
N40 Mode	15	15	15

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

UNII-2C - 2TX Beamforming			
Test Software Version	QSPR		
Frequency (MHz)	5500	5580	5700
AC20 Mode	15	15	15
Frequency (MHz)	5510	5550	5670
AC40 Mode	15	15	15
Frequency□(MHz)	5530	5610	
AC80 Mode	14	14	

3.4 BLOCKDIAGRAMSHOWINGTHECONFIGURATIONOFSYSTEMTESTED



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	Series No.
A	NOTEBOOK	Lenovo	INSPIRON 1420-	DOC	JX193A01SDC2

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	10M	RJ45 Cable
2	NO	NO	2M	DC Cable
3	NO	NO	1M	RJ45 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.

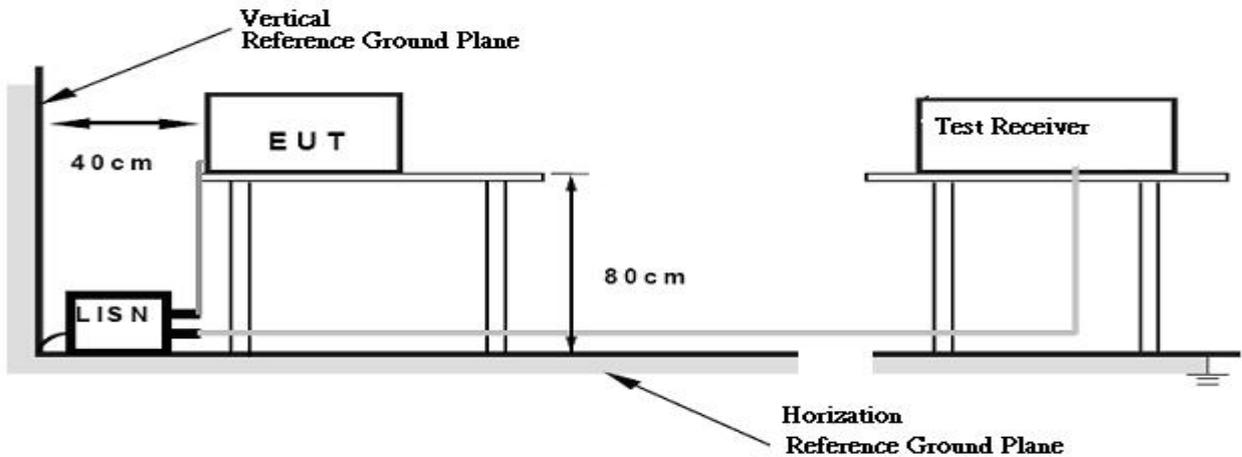
4.1.2 TEST PROCEDURE

- 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: 53% 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

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

Note:

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

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

2. According to FCC 16-24, 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 25MHz 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 27dBm/MHz at the band edge.

4.2.2 TEST PROCEDURE

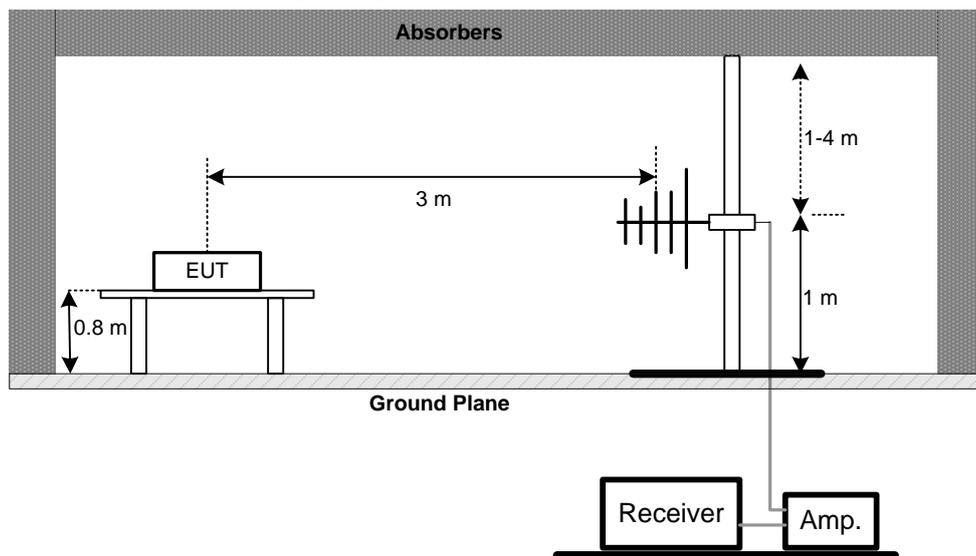
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance 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 1GHz.
- 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 1GHz)
- 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 1GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATIONFROMTESTSTANDARD

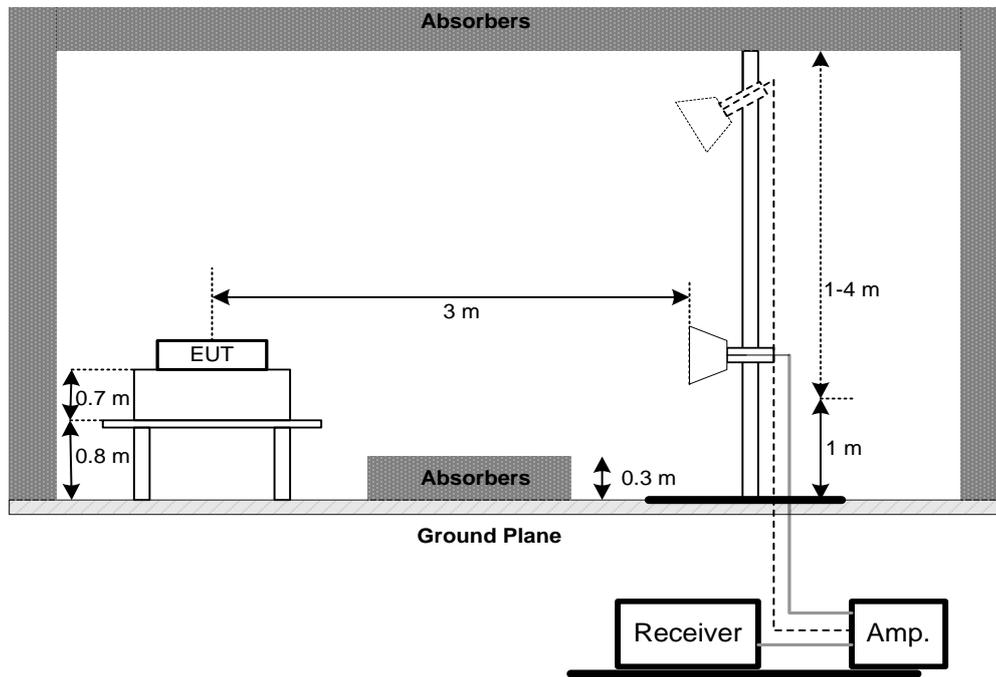
No deviation

4.2.4 TESTSETUP

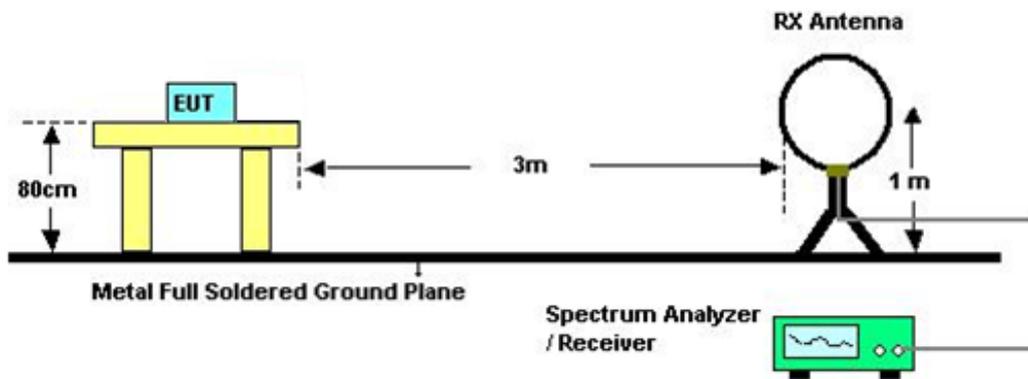
(A)Radiated Emission Test Set-Up Frequency Below 1GHz



(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: 60% 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 = $40 \log(\text{specific distance} / \text{test distance})$ (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.

4.2.9 TEST RESULTS (ABOVE1000 MHz)

Please refer to the Attachment 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. 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
	26 dB Bandwidth	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(Bandwidth 20MHz) 1MHz(Bandwidth 40MHz and 80MHz)
VBW	1MHz(Bandwidth 20MHz) 3MHz(Bandwidth 40MHz and 80MHz)
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: 60% 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
	250mW (24dBm)	5470-5725	PASS

Note: The maximum e.i.r.p at any elevation angle above 30 degrees as measured from the horizon must not exceed 125mW(21dBm)

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: 60% Test Voltage: AC 120V/60Hz

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. POWER SPECTRAL DENSITY TEST

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Power Spectral Density	11dBm/MHz	5250-5350	PASS
	11dBm/MHz	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 average	100 trace
Sweep Time	Auto

Note:

- 1.For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v01r02, section II.F.5., it is acceptable to set RBW at 1MHz and VBW at 3MHz if the spectrum analyzer does not have 500kHz RBW.
- 2.The value measured with RBW=1MHz is to be added with $10\log(500\text{kHz}/1\text{MHz})$ which is -3dB. For example, if the measured value is +10dBm using RBW=1MHz (that is

7.1.1 DEVIATION FROM STANDARD

No deviation.

7.1.2 TEST SETUP



7.1.3 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.

7.1.4 EUT TEST CONDITIONS

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

7.1.5 TEST RESULTS

Please refer to the Attachment H.

8. FREQUENCY STABILITY MEASUREMENT

8.1 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

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	Entire absence of modulation emissionsbandwidth
RBW	10 kHz
VBW	10kHz
Sweep Time	Auto

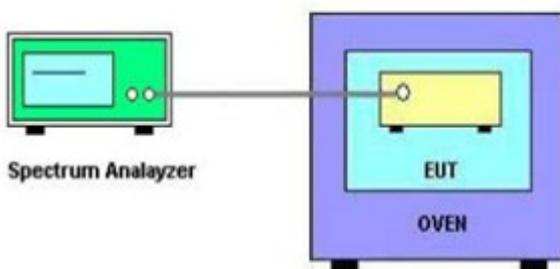
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is -10°C~50°C.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 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.

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Attachment I.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	0052765	Mar. 27, 2017
2	LISN	R&S	ENV216	101447	Mar. 27, 2017
3	Test Cable	emci	RG223(9KHz-30 MHz)	C_17	Mar. 10, 2017
4	EMI Test Receiver	R&S	ESCI	100382	Mar. 27, 2017
5	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 27, 2017
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 27, 2017
2	Amplifier	HP	8447D	2944A09673	Oct. 20, 2017
3	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017
4	Cable	emci	LMR-400(30MHz-1GHz)(8m+5m)	N/A	Jun. 27, 2017
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Antenna	ETS	3115	00075789	Mar. 27, 2017
8	Amplifier	Agilent	8449B	3008A02274	Mar. 10, 2017
9	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017
10	Test Cable	emci	EMC104-SM-SM-10000(1GHz-26.5GHz)	C-68	Jun. 26, 2017
11	Controller	CT	SC100	N/A	N/A
12	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017
13	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017
14	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 06, 2017
15	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Spectrum Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

Maximum Conducted Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Apr. 26, 2017
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Apr. 26, 2017

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

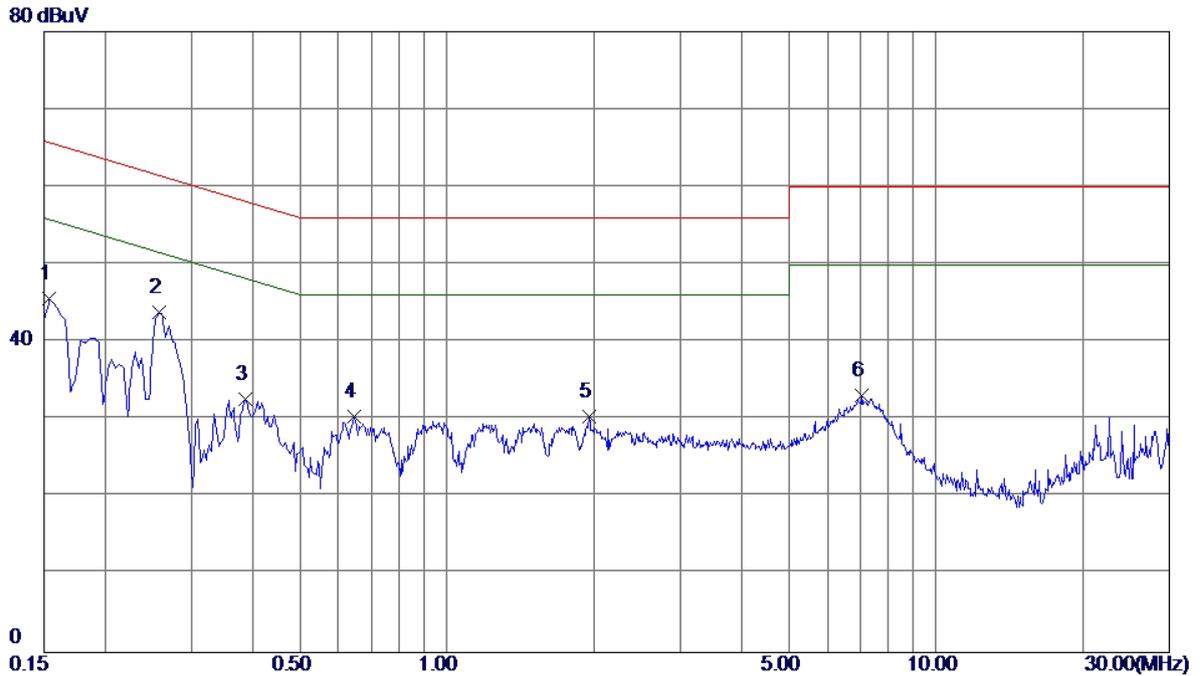
Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017
2	Precision Oven Tester	HOLINK	H-T-1F-D	BA03101701	May 22, 2017

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

ATTACHMENT A -CONDUCTED EMISSION

Test Mode: TX MODE

Line

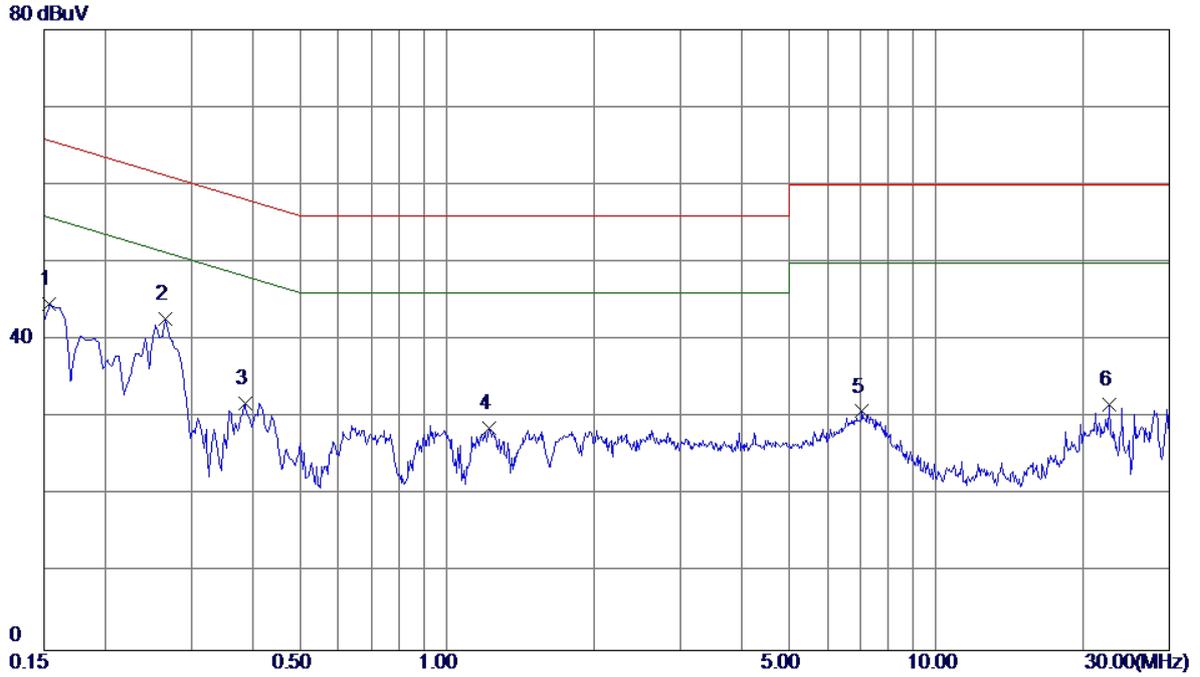


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1539	36.01	9.52	45.53	65.79	-20.26	Peak	
2 *	0.2580	34.31	9.53	43.84	61.50	-17.66	Peak	
3	0.3860	23.05	9.54	32.59	58.15	-25.56	Peak	
4	0.6460	20.74	9.64	30.38	56.00	-25.62	Peak	
5	1.9540	20.47	9.89	30.36	56.00	-25.64	Peak	
6	7.0660	22.96	10.15	33.11	60.00	-26.89	Peak	

Note : The test result has included the cable loss.

Test Mode: TX MODE

Neutral



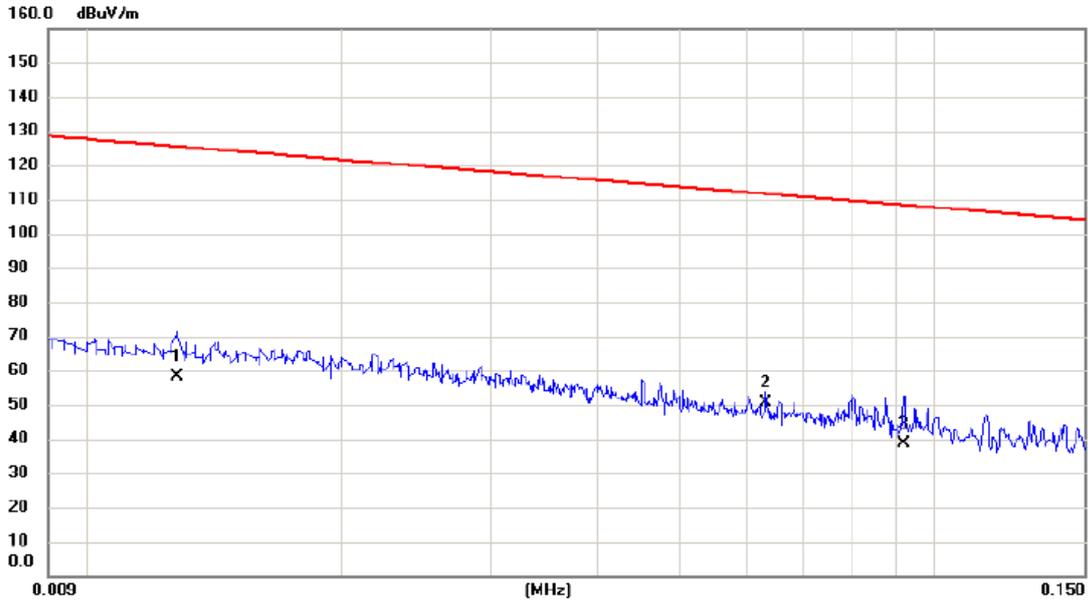
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1539	35.18	9.50	44.68	65.79	-21.11	Peak	
2 *	0.2660	33.20	9.53	42.73	61.24	-18.51	Peak	
3	0.3860	22.38	9.46	31.84	58.15	-26.31	Peak	
4	1.2180	19.04	9.67	28.71	56.00	-27.29	Peak	
5	7.0660	20.84	9.96	30.80	60.00	-29.20	Peak	
6	22.6100	21.18	10.52	31.70	60.00	-28.30	Peak	

Note : The test result has included the cable loss.

ATTACHMENT B -RADIATED EMISSION (9KHZ TO 30MHZ)

Test Mode: TX MODE

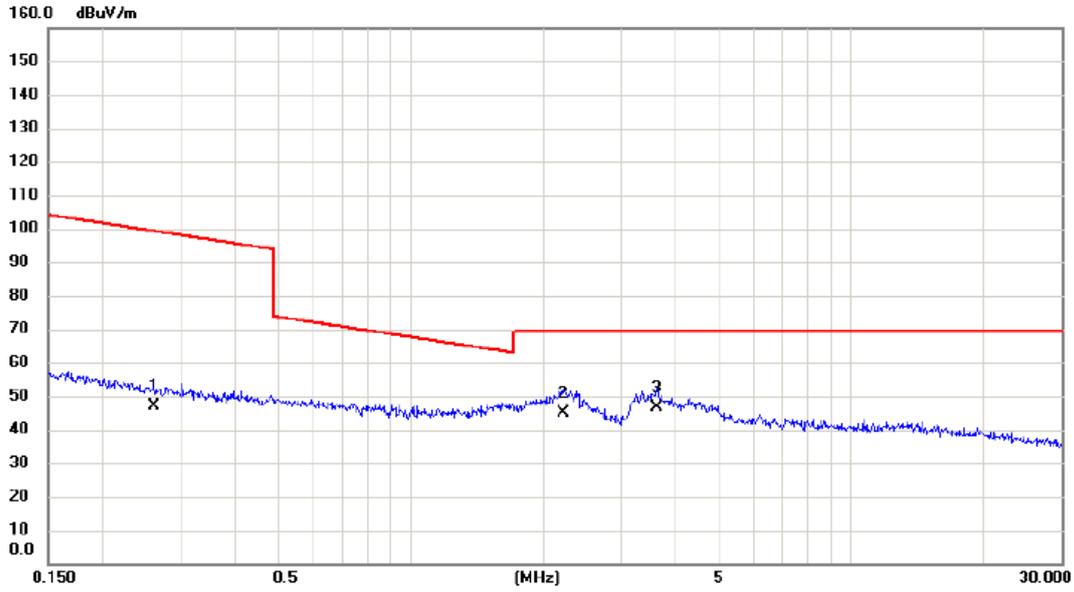
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.013	34.10	23.95	58.05	125.46	-67.41	AVG	
2	*	0.063	30.90	19.67	50.57	111.59	-61.02	AVG	
3		0.092	19.91	18.78	38.69	108.33	-69.64	AVG	

Test Mode: TX MODE

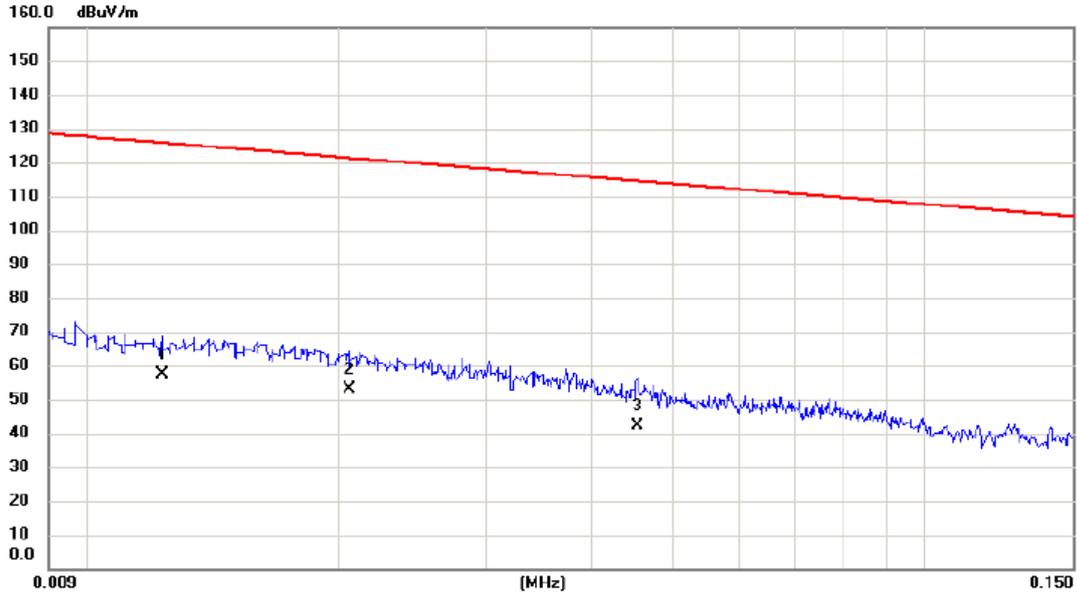
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.260	28.30	18.64	46.94	99.30	-52.36	AVG	
2		2.225	27.30	17.62	44.92	69.54	-24.62	QP	
3	*	3.603	28.60	17.92	46.52	69.54	-23.02	QP	

Test Mode: TX MODE

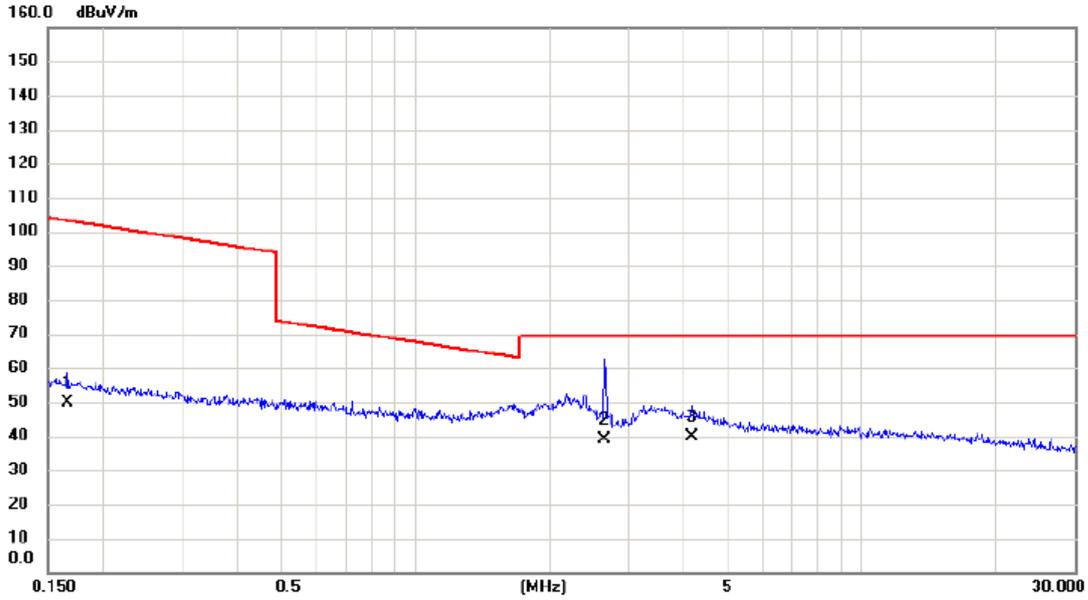
Ant 90°



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1 *	0.012	33.50	23.98	57.48	125.81	-68.33	AVG	
2	0.021	29.50	23.45	52.95	121.33	-68.38	AVG	
3	0.045	22.00	20.39	42.39	114.46	-72.07	AVG	

Test Mode: TX MODE

Ant 90°



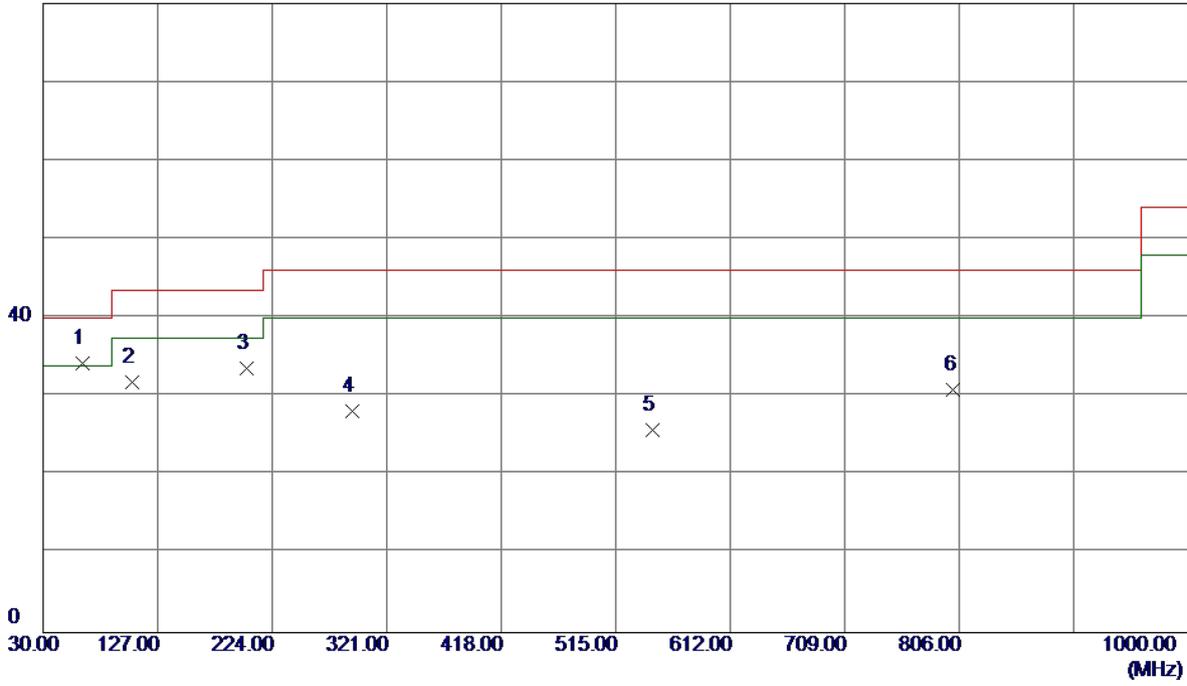
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.167	31.00	18.72	49.72	103.17	-53.45	AVG	
2		2.650	22.10	17.08	39.18	69.54	-30.36	QP	
3	*	4.157	21.50	18.43	39.93	69.54	-29.61	QP	

ATTACHMENT C -RADIATED EMISSION (30MHZ TO 1000MHZ)

Test Mode: UNII-2A/TX A Mode 5260MHz

Vertical

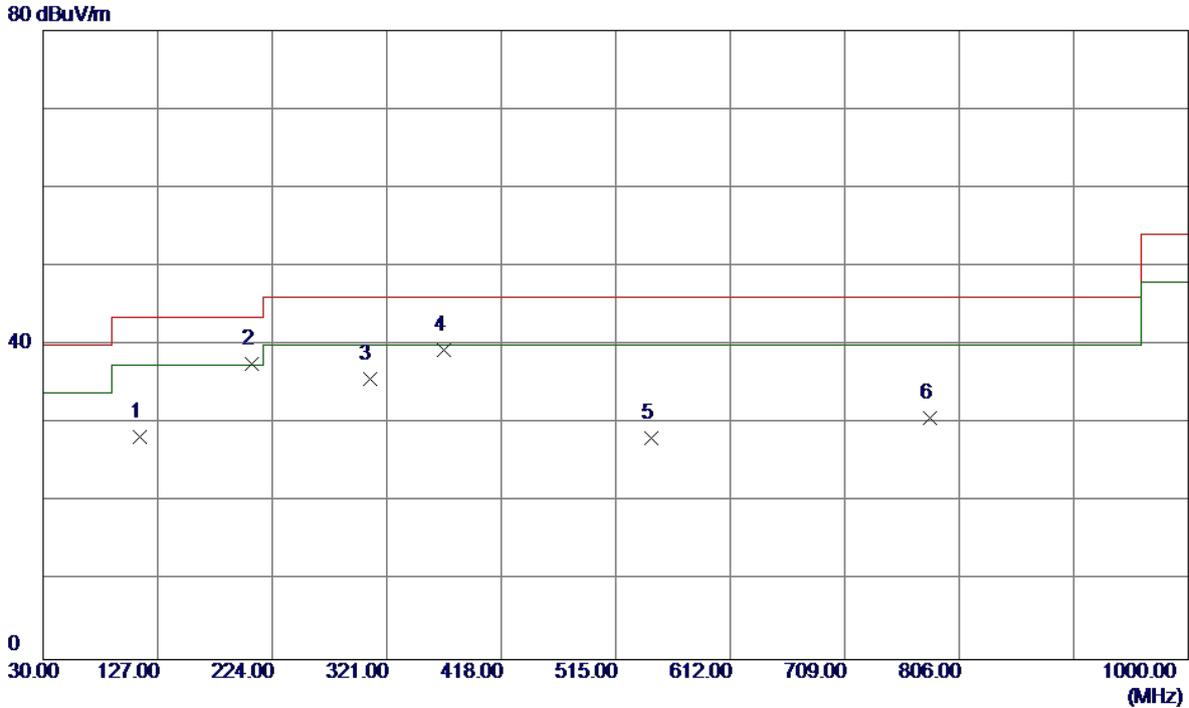
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	62.9800	48.79	-14.58	34.21	40.00	-5.79	QP	
2	105.1750	46.88	-15.05	31.83	43.50	-11.67	Peak	
3	202.1750	48.08	-14.48	33.60	43.50	-9.90	Peak	
4	292.3850	39.20	-10.99	28.21	46.00	-17.79	Peak	
5	546.5250	30.73	-4.90	25.83	46.00	-20.17	Peak	
6	801.1500	30.62	0.23	30.85	46.00	-15.15	Peak	

Test Mode: UNII-2A/TX A Mode 5260MHz

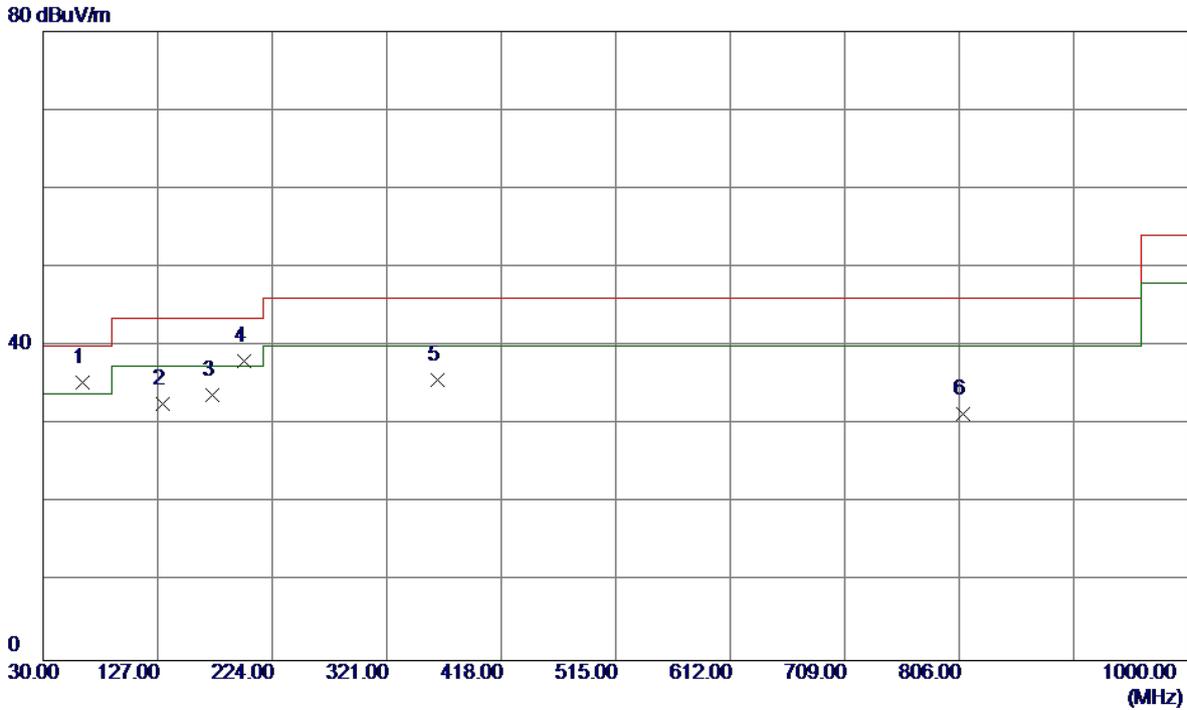
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	111.4800	42.82	-14.48	28.34	43.50	-15.16	Peak	
2 *	206.5399	52.14	-14.57	37.57	43.50	-5.93	Peak	
3	306.4500	45.97	-10.30	35.67	46.00	-10.33	Peak	
4	369.0150	49.24	-9.91	39.33	46.00	-6.67	Peak	
5	545.0700	33.14	-5.05	28.09	46.00	-17.91	Peak	
6	781.2650	31.24	-0.58	30.66	46.00	-15.34	Peak	

Test Mode: UNII-2A/TX A Mode 5300MHz

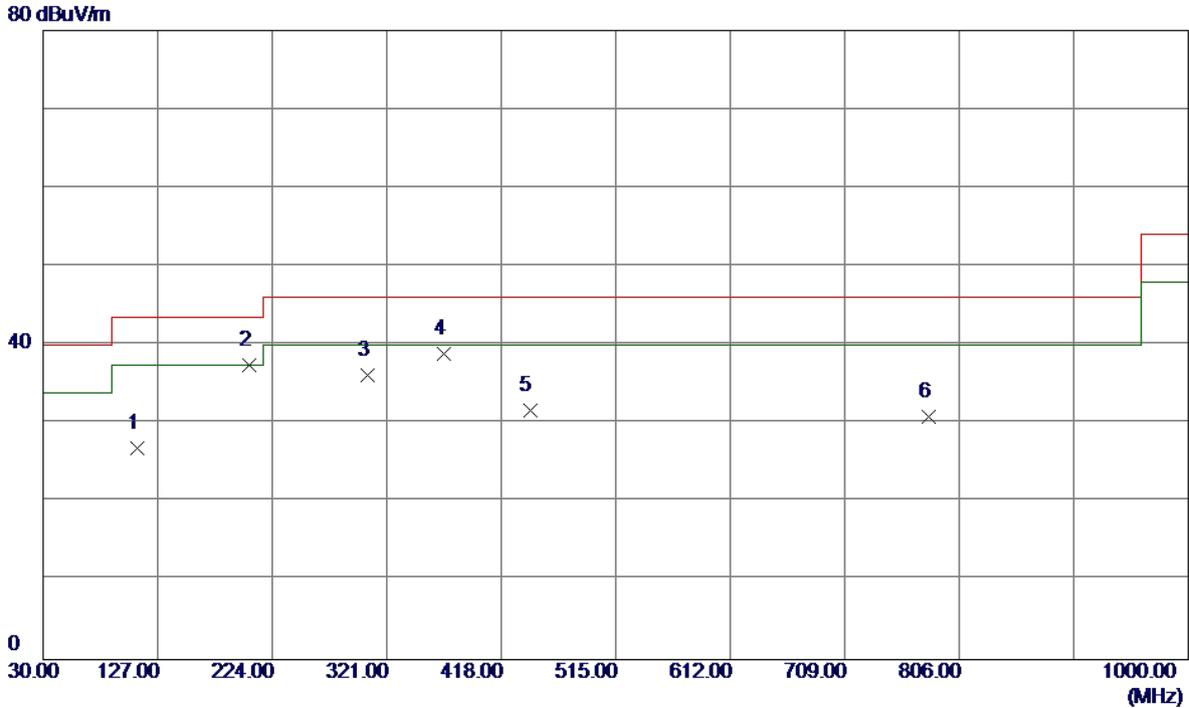
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	62.9800	49.92	-14.58	35.34	40.00	-4.66	QP	
2	131.3650	45.17	-12.54	32.63	43.50	-10.87	Peak	
3	173.5600	46.16	-12.45	33.71	43.50	-9.79	Peak	
4	200.7200	52.53	-14.45	38.08	43.50	-5.42	Peak	
5	363.6800	46.03	-10.28	35.75	46.00	-10.25	Peak	
6	809.3950	31.32	-0.02	31.30	46.00	-14.70	Peak	

Test Mode: UNII-2A/TX A Mode 5300MHz

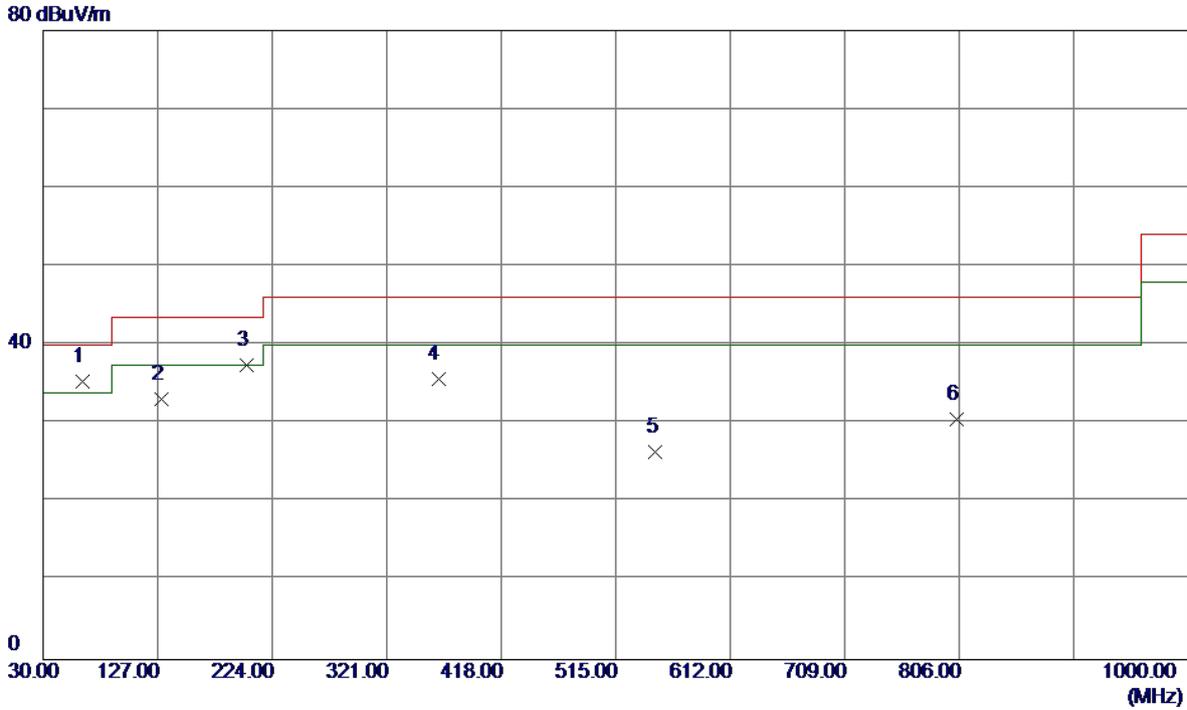
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	110.0250	41.58	-14.66	26.92	43.50	-16.58	Peak	
2 *	204.1150	51.95	-14.52	37.43	43.50	-6.07	Peak	
3	304.9950	46.37	-10.27	36.10	46.00	-9.90	Peak	
4	369.9849	48.67	-9.85	38.82	46.00	-7.18	Peak	
5	442.2500	39.64	-7.97	31.67	46.00	-14.33	Peak	
6	780.2950	31.43	-0.62	30.81	46.00	-15.19	Peak	

Test Mode: UNII-2A/TX A Mode 5320MHz

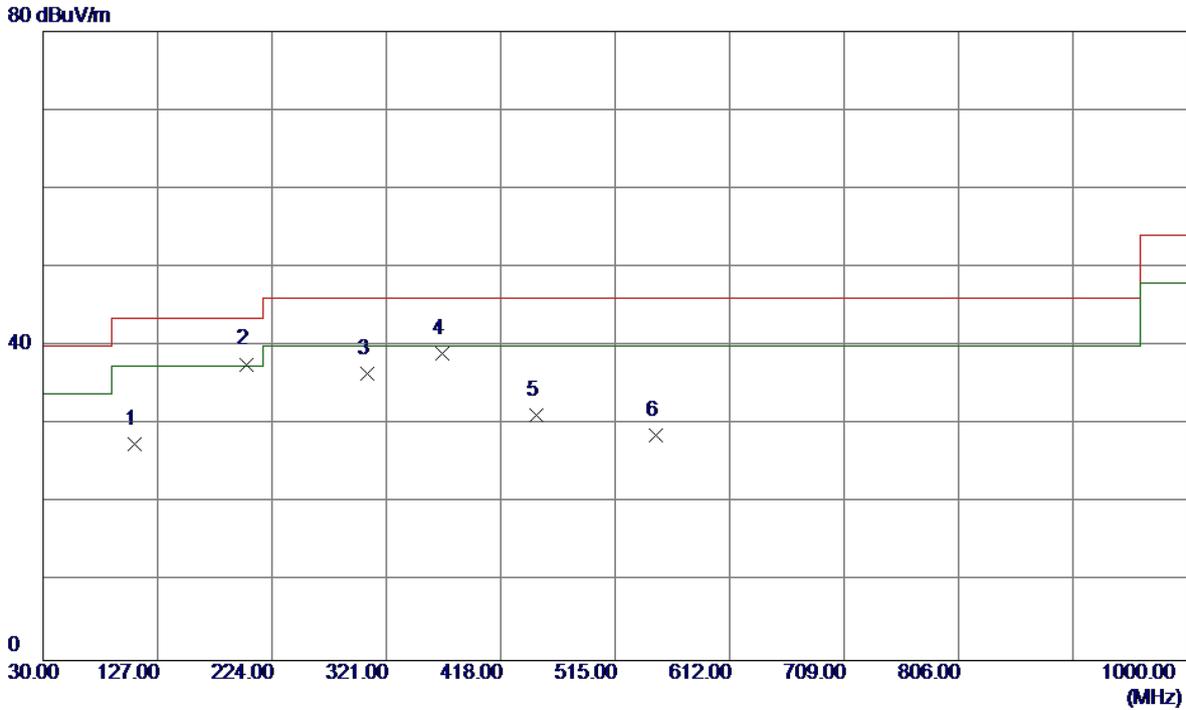
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	62.9800	49.91	-14.58	35.33	40.00	-4.67	QP	
2	129.9100	45.47	-12.36	33.11	43.50	-10.39	Peak	
3	202.1750	51.85	-14.48	37.37	43.50	-6.13	Peak	
4	364.6500	45.97	-10.21	35.76	46.00	-10.24	Peak	
5	548.9500	31.03	-4.65	26.38	46.00	-19.62	Peak	
6	803.5750	30.43	0.15	30.58	46.00	-15.42	Peak	

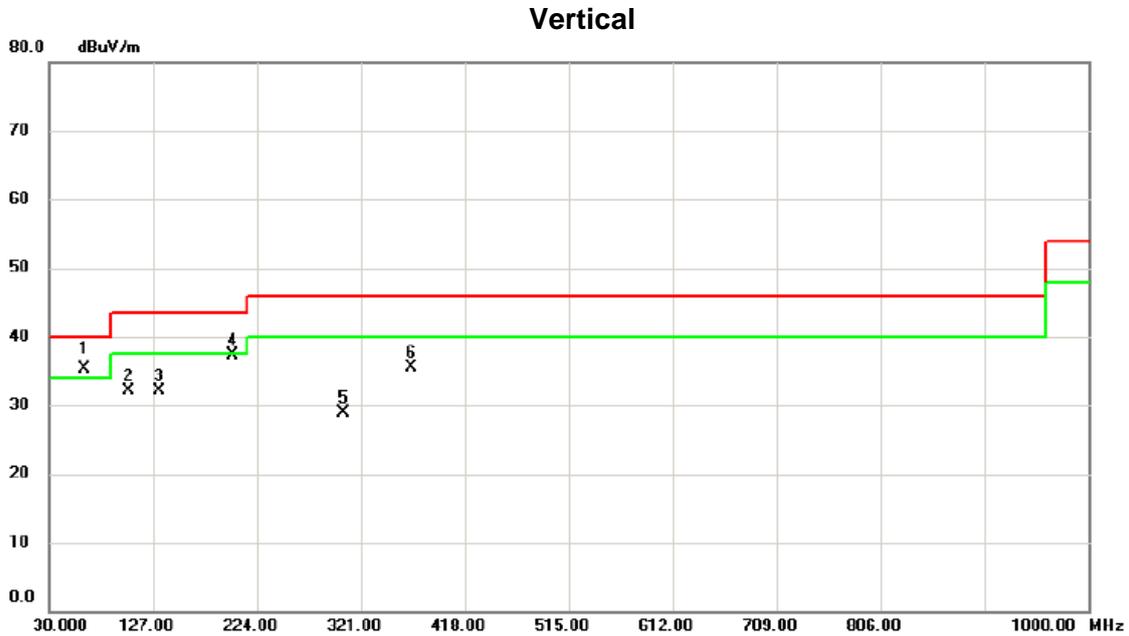
Test Mode: UNII-2A/TX A Mode 5320MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	107.1150	42.34	-14.89	27.45	43.50	-16.05	Peak	
2 *	202.1750	52.16	-14.48	37.68	43.50	-5.82	Peak	
3	304.9950	46.68	-10.27	36.41	46.00	-9.59	Peak	
4	368.5300	48.92	-9.95	38.97	46.00	-7.03	Peak	
5	448.0700	39.14	-7.99	31.15	46.00	-14.85	Peak	
6	549.9200	33.19	-4.55	28.64	46.00	-17.36	Peak	

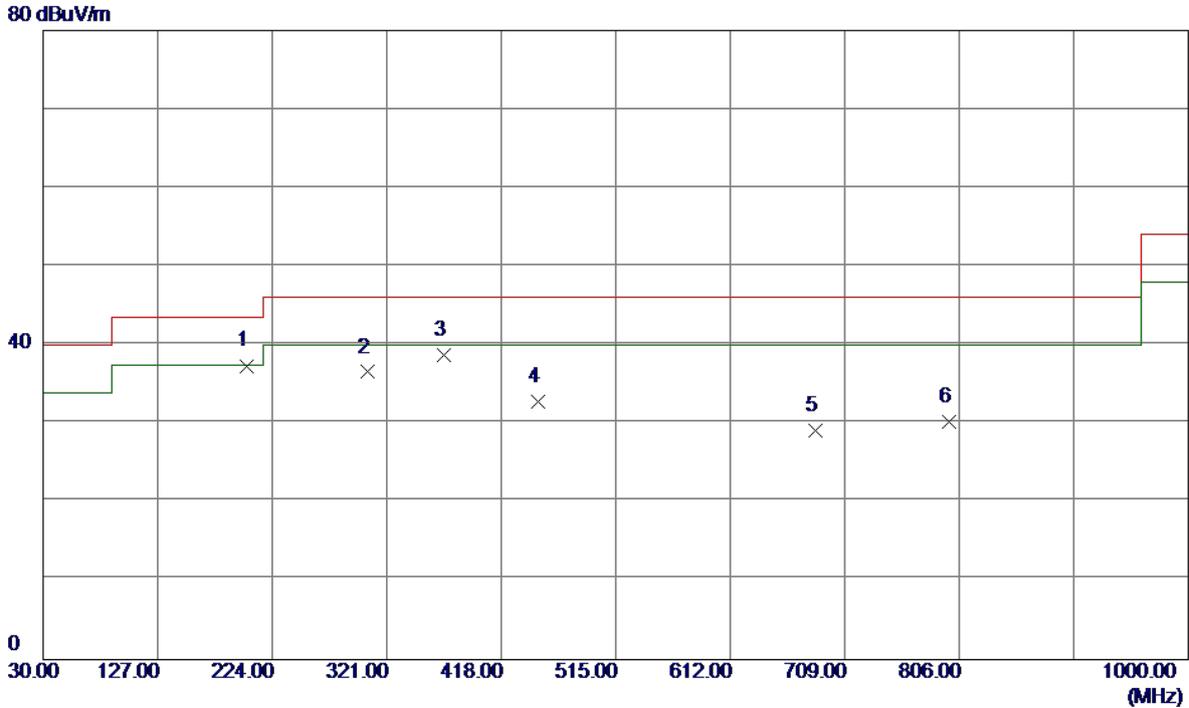
Test Mode: UNII-2C/TX A Mode 5500MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	62.980	49.79	-14.58	35.21	40.00	-4.79	QP	
2		104.690	47.09	-15.08	32.01	43.50	-11.49	peak	
3		132.820	44.86	-12.75	32.11	43.50	-11.39	peak	
4		200.720	51.77	-14.45	37.32	43.50	-6.18	peak	
5		304.995	39.21	-10.27	28.94	46.00	-17.06	peak	
6		368.530	45.47	-9.94	35.53	46.00	-10.47	peak	

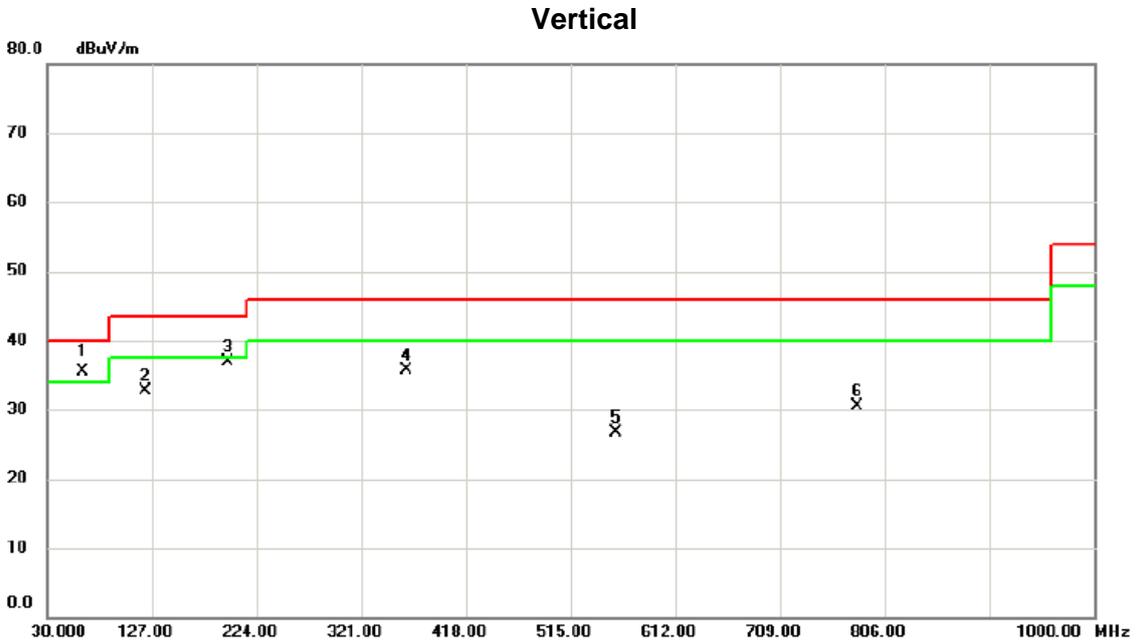
Test Mode: UNII-2C/TX A Mode 5500MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	202.1750	51.84	-14.48	37.36	43.50	-6.14	Peak	
2	304.9950	46.83	-10.27	36.56	46.00	-9.44	Peak	
3	369.9849	48.60	-9.85	38.75	46.00	-7.25	Peak	
4	449.5250	40.83	-8.00	32.83	46.00	-13.17	Peak	
5	683.7800	31.93	-2.77	29.16	46.00	-16.84	Peak	
6	797.7550	30.11	0.16	30.27	46.00	-15.73	Peak	

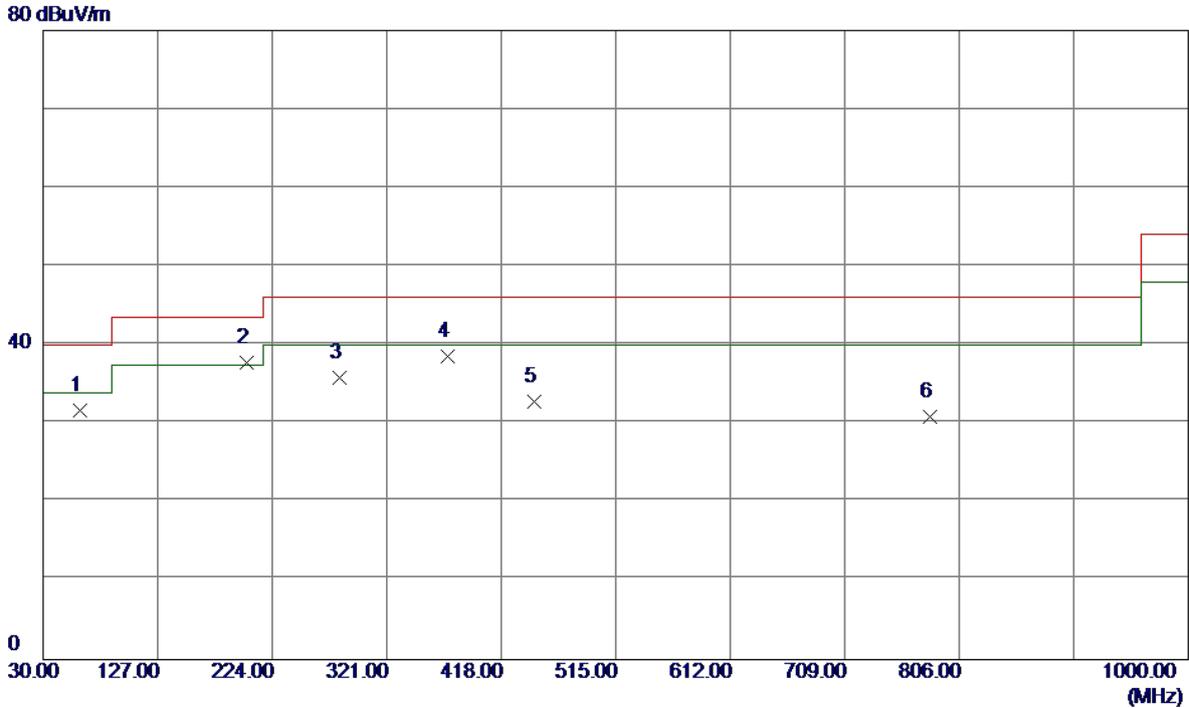
Test Mode: UNII-2C/TX A Mode 5580MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	62.980	50.12	-14.58	35.54	40.00	-4.46	QP	
2		121.665	46.04	-13.27	32.77	43.50	-10.73	peak	
3		197.810	51.21	-14.32	36.89	43.50	-6.61	peak	
4		363.195	46.01	-10.31	35.70	46.00	-10.30	peak	
5		556.710	31.55	-4.88	26.67	46.00	-19.33	peak	
6		781.265	31.16	-0.58	30.58	46.00	-15.42	peak	

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

Horizontal

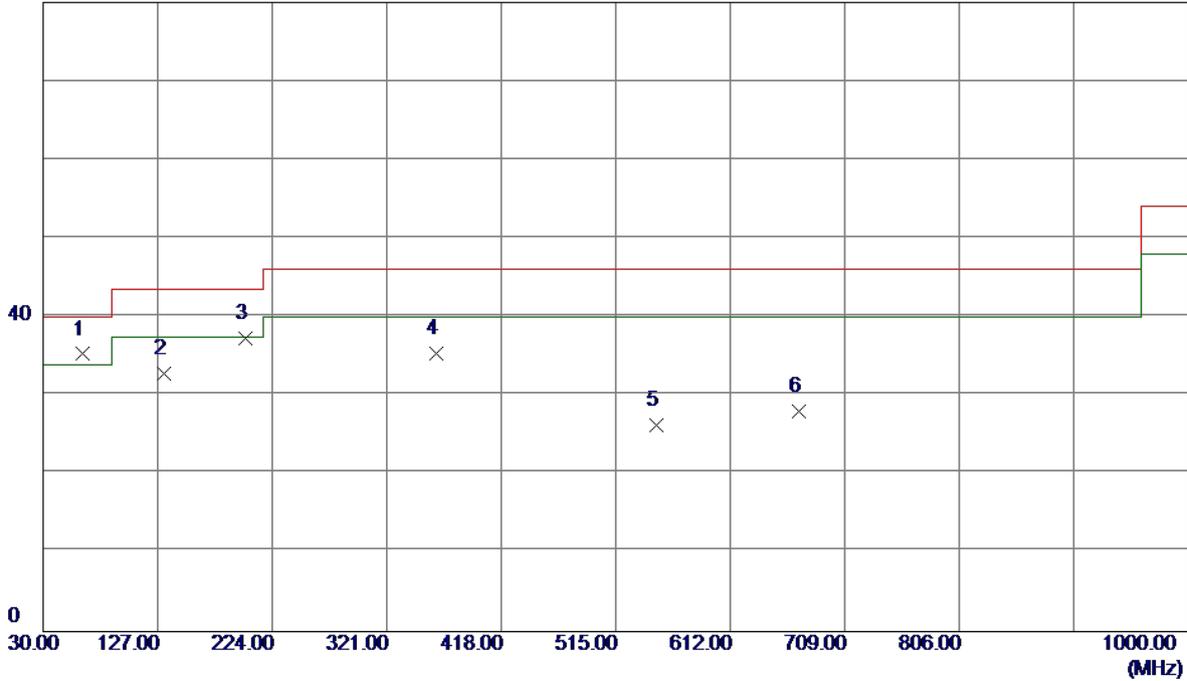


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	61.5250	45.78	-14.16	31.62	40.00	-8.38	Peak	
2 *	202.1750	52.28	-14.48	37.80	43.50	-5.70	Peak	
3	281.2300	47.76	-11.94	35.82	46.00	-10.18	Peak	
4	372.8950	48.16	-9.64	38.52	46.00	-7.48	Peak	
5	445.6450	40.73	-7.98	32.75	46.00	-13.25	Peak	
6	781.2650	31.52	-0.58	30.94	46.00	-15.06	Peak	

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

Vertical

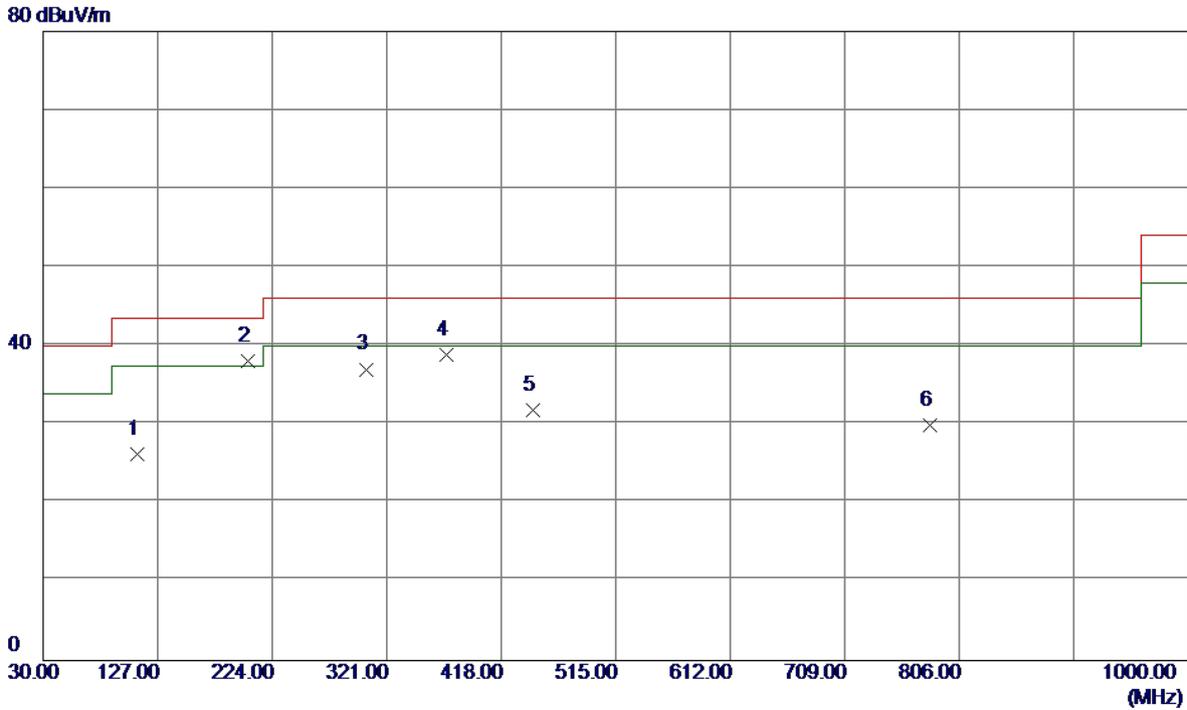
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	62.9800	49.86	-14.58	35.28	40.00	-4.72	QP	
2	132.8200	45.54	-12.75	32.79	43.50	-10.71	Peak	
3	201.6900	51.79	-14.47	37.32	43.50	-6.18	Peak	
4	363.1950	45.73	-10.31	35.42	46.00	-10.58	Peak	
5	549.9200	30.78	-4.55	26.23	46.00	-19.77	Peak	
6	670.6850	31.37	-3.32	28.05	46.00	-17.95	Peak	

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

Horizontal



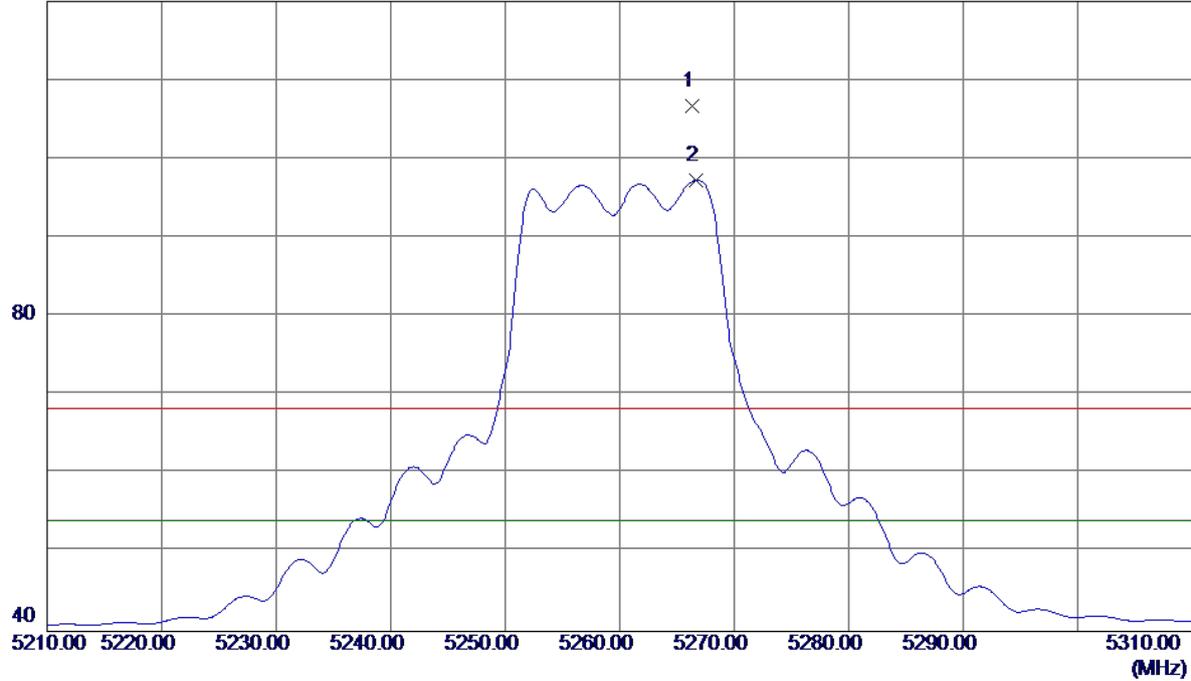
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	110.0250	40.93	-14.66	26.27	43.50	-17.23	Peak	
2 *	203.1450	52.51	-14.50	38.01	43.50	-5.49	Peak	
3	303.5400	47.28	-10.24	37.04	46.00	-8.96	Peak	
4	371.4400	48.58	-9.74	38.84	46.00	-7.16	Peak	
5	444.6750	39.88	-7.98	31.90	46.00	-14.10	Peak	
6	781.2650	30.57	-0.58	29.99	46.00	-16.01	Peak	

ATTACHMENT D -RADIATED EMISSION (ABOVE 1000MHZ)

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

Vertical

120 dBuV/m

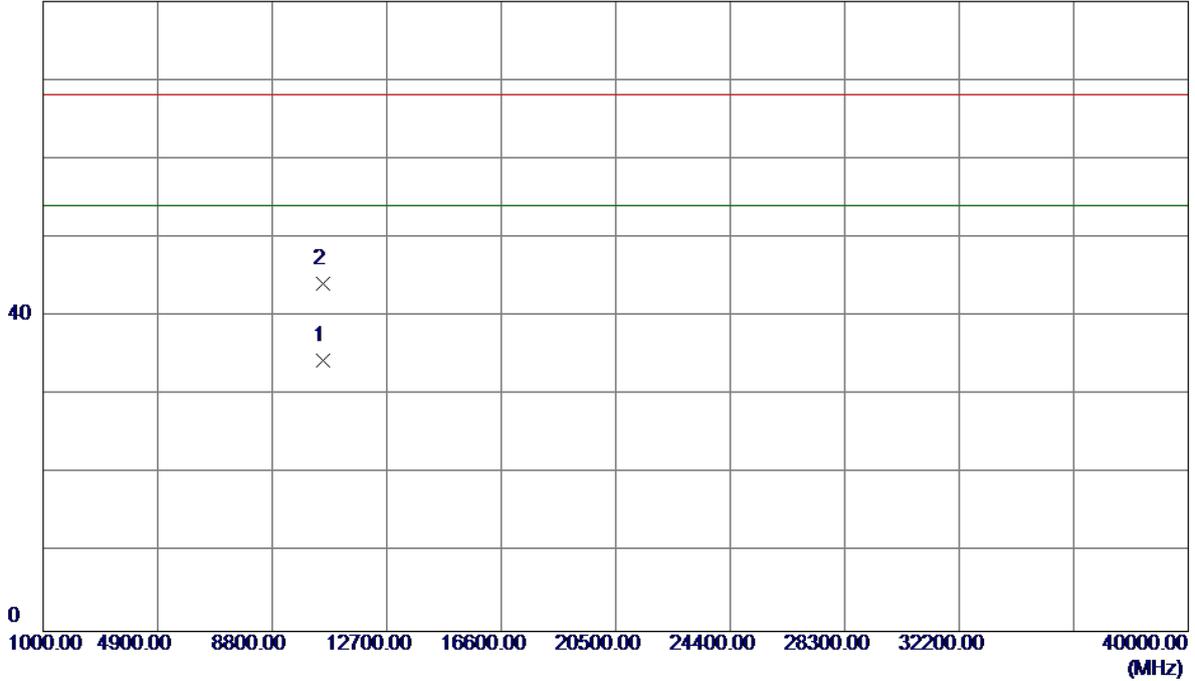


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5266.3000	65.69	41.01	106.70	68.30	38.40	Peak	No Limit
2 *	5266.7000	56.28	41.01	97.29	54.00	43.29	AVG	No Limit

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

Vertical

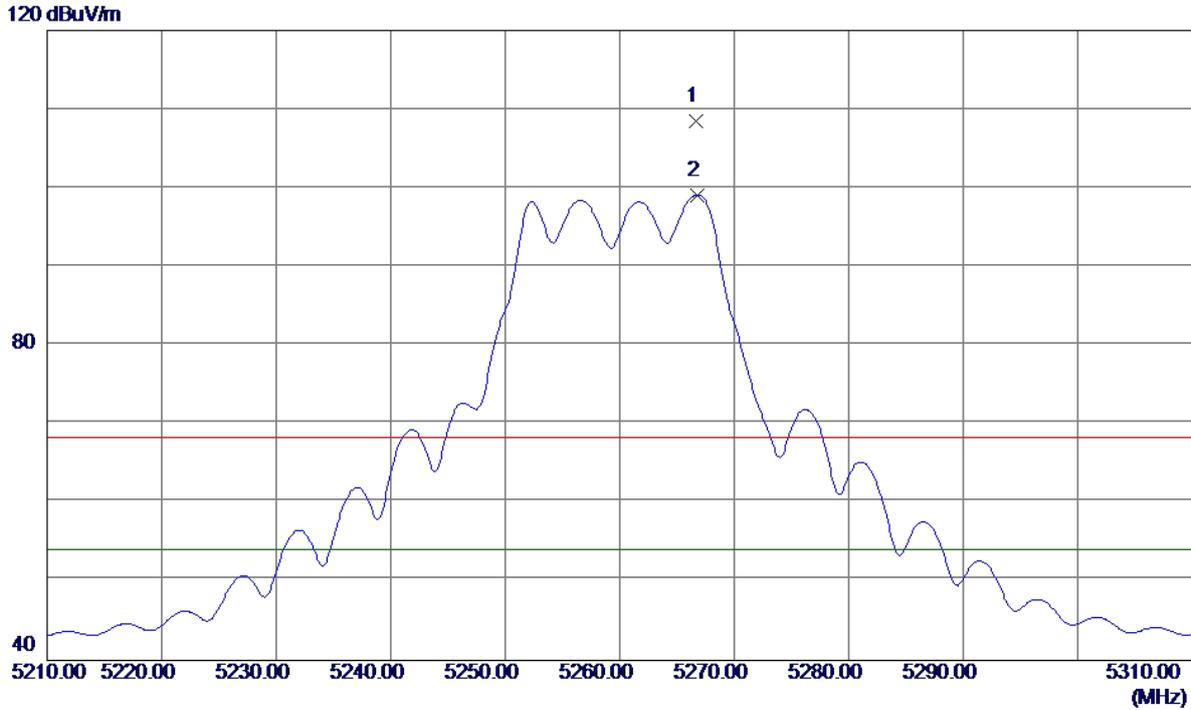
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10520.2400	19.12	15.32	34.44	54.00	-19.56	AVG	
2	10520.4800	28.87	15.32	44.19	68.20	-24.01	Peak	

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

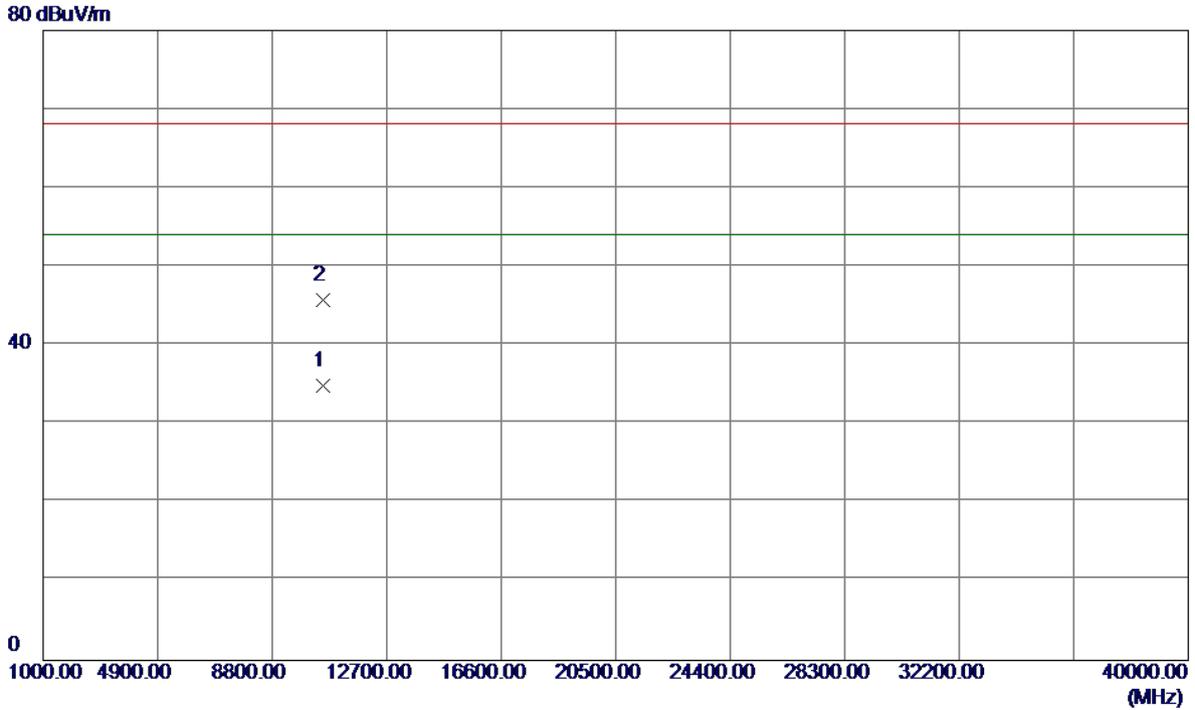
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5266.7000	67.42	41.01	108.43	68.30	40.13	Peak	No Limit
2 *	5266.8000	58.09	41.01	99.10	54.00	45.10	AVG	No Limit

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

Horizontal

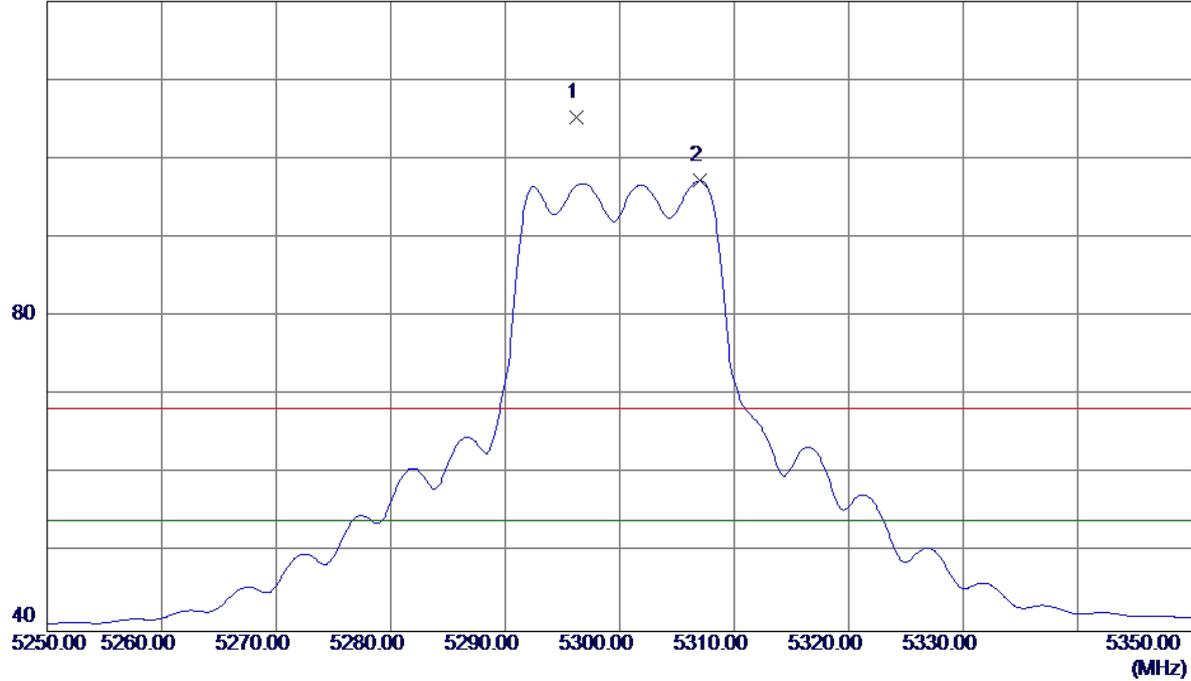


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10521.0500	19.63	15.32	34.95	54.00	-19.05	AVG	
2	10521.2000	30.46	15.32	45.78	68.20	-22.42	Peak	

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

Vertical

120 dBuV/m

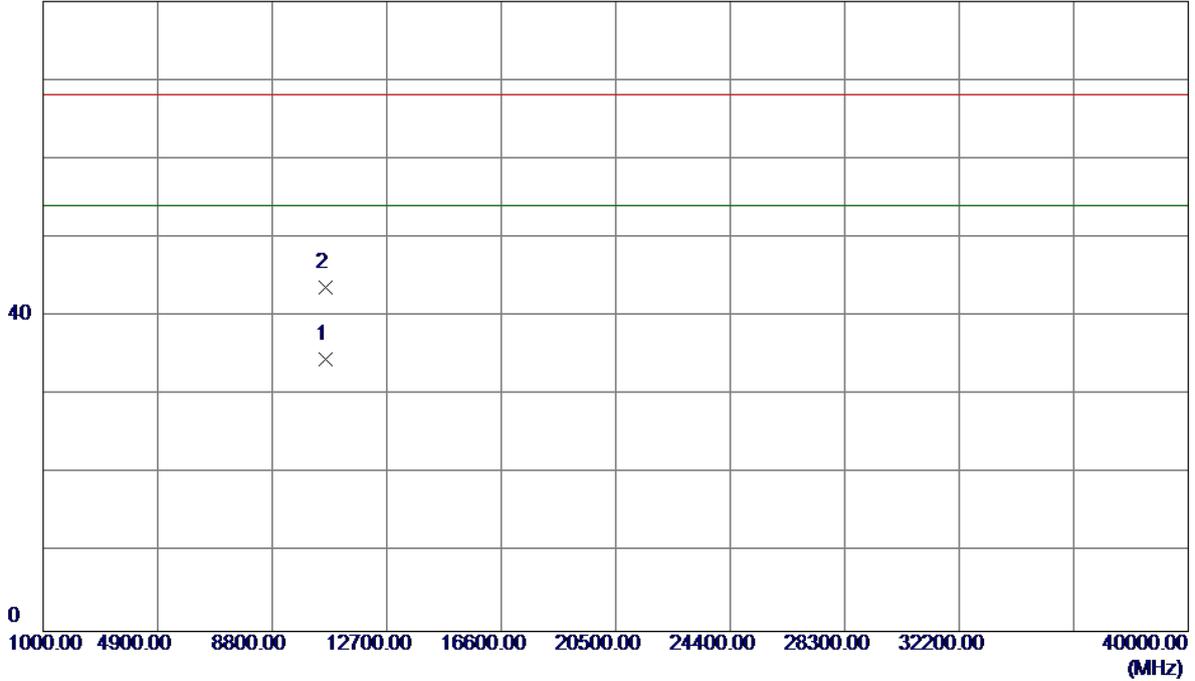


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5296.2000	64.22	41.11	105.33	68.30	37.03	Peak	No Limit
2 *	5307.0000	56.06	41.14	97.20	54.00	43.20	AVG	No Limit

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

Vertical

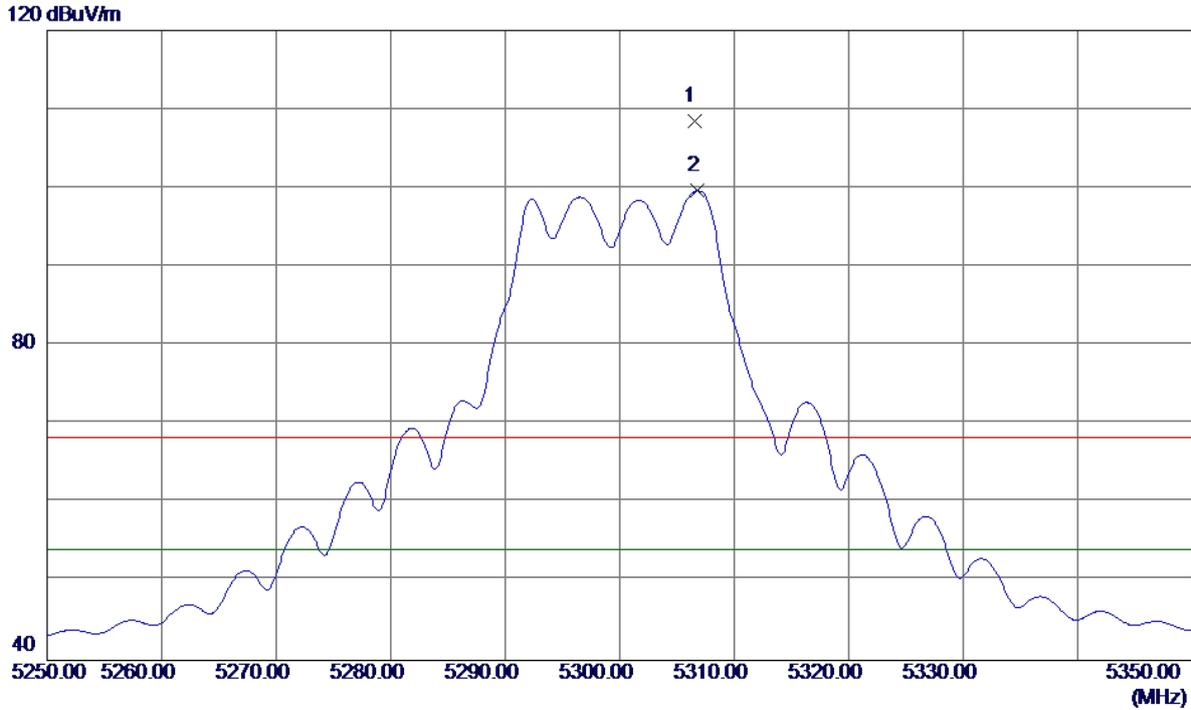
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10599.2500	19.12	15.42	34.54	54.00	-19.46	AVG	
2	10600.4300	28.27	15.42	43.69	68.20	-24.51	Peak	

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

Horizontal

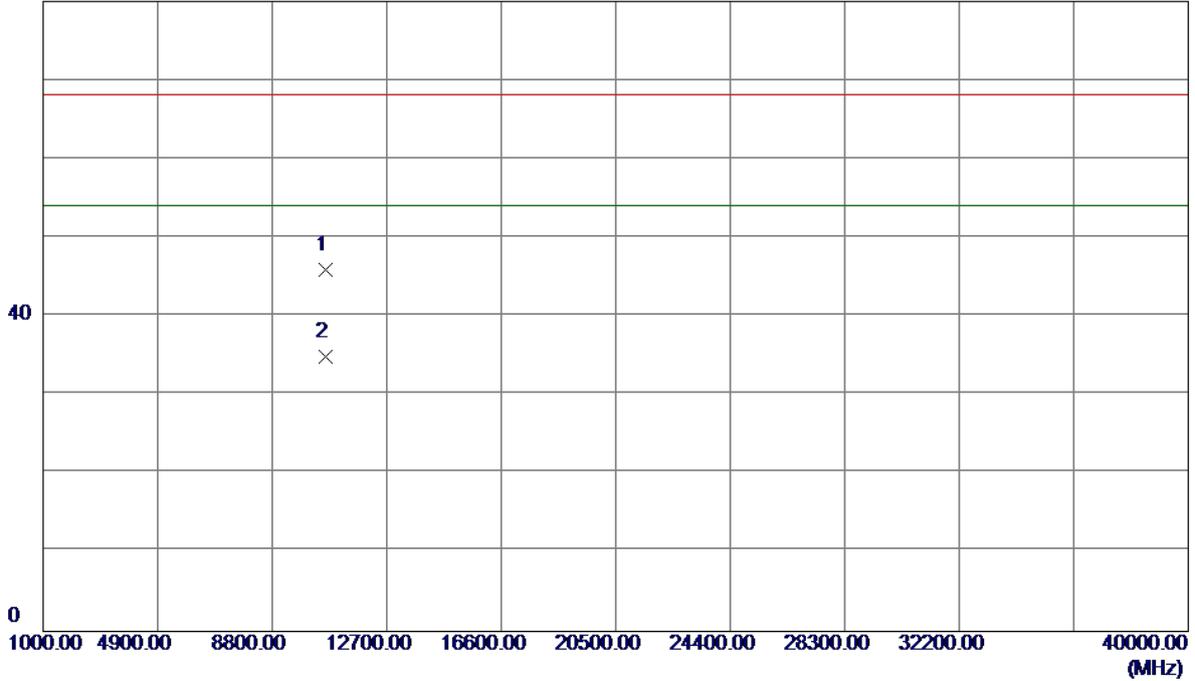


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5306.5000	67.30	41.14	108.44	68.30	40.14	Peak	No Limit
2 *	5306.8000	58.48	41.14	99.62	54.00	45.62	AVG	No Limit

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

Horizontal

80 dBuV/m

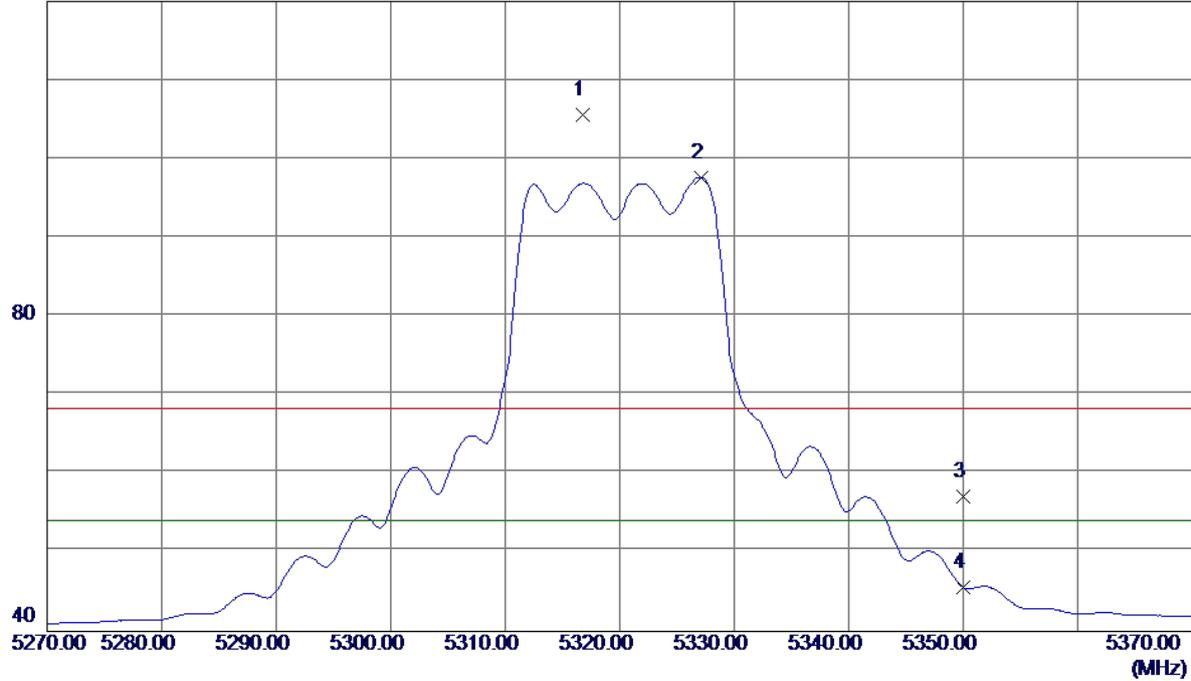


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10600.7000	30.57	15.42	45.99	68.20	-22.21	Peak	
2 *	10601.0500	19.45	15.42	34.87	54.00	-19.13	AVG	

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

Vertical

120 dBuV/m

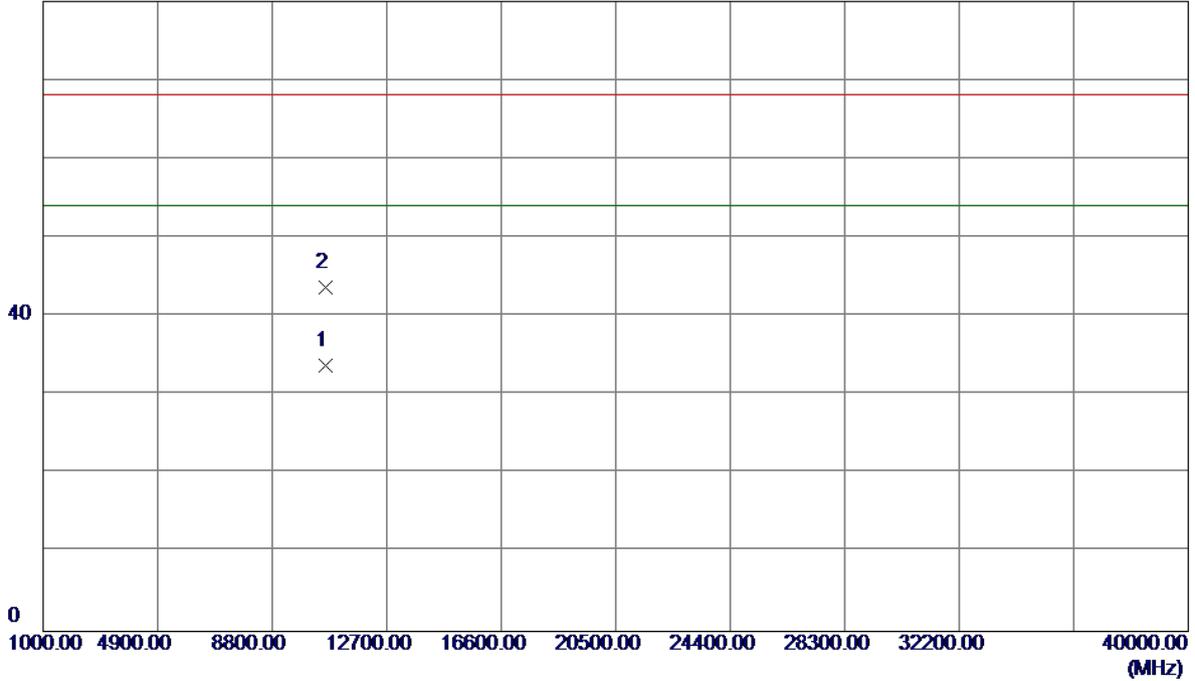


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5316.8000	64.38	41.18	105.56	68.30	37.26	Peak	No Limit
2 *	5327.1000	56.45	41.21	97.66	54.00	43.66	AVG	No Limit
3	5350.0000	15.91	41.28	57.19	68.30	-11.11	Peak	
4	5350.0000	4.30	41.28	45.58	54.00	-8.42	AVG	

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

Vertical

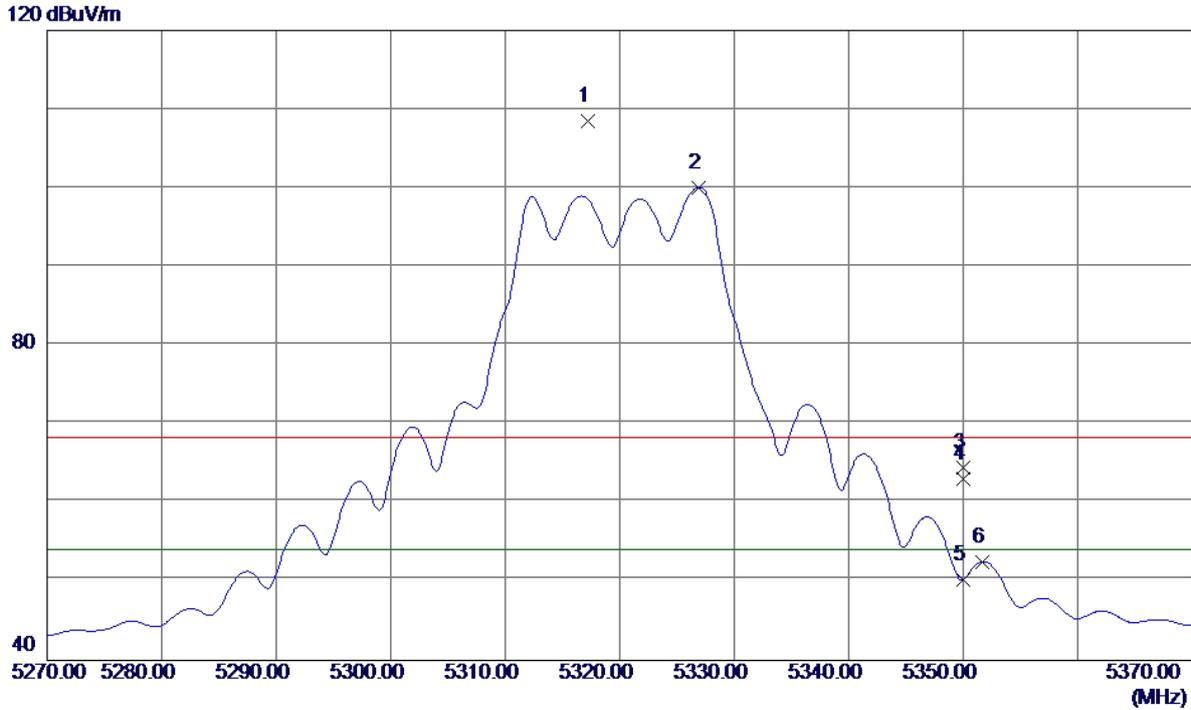
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10639.2699	18.36	15.47	33.83	54.00	-20.17	AVG	
2	10640.4900	28.22	15.47	43.69	68.20	-24.51	Peak	

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

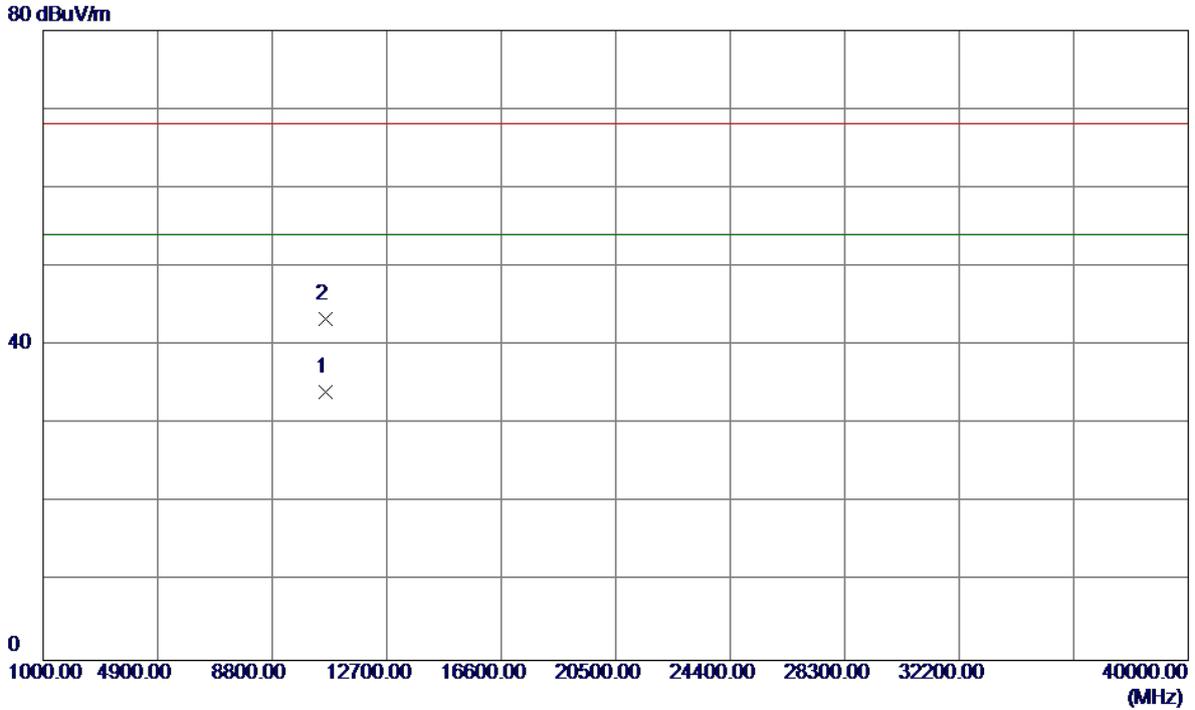
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5317.2000	67.30	41.18	108.48	68.30	40.18	Peak	No Limit
2 *	5326.9000	58.81	41.21	100.02	54.00	46.02	AVG	No Limit
3	5350.0000	23.17	41.28	64.45	68.30	-3.85	Peak	
4	5350.0000	21.78	41.28	63.06	68.30	-5.24	Peak	
5	5350.0000	8.96	41.28	50.24	54.00	-3.76	AVG	
6	5351.7000	11.25	41.29	52.54	54.00	-1.46	AVG	

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

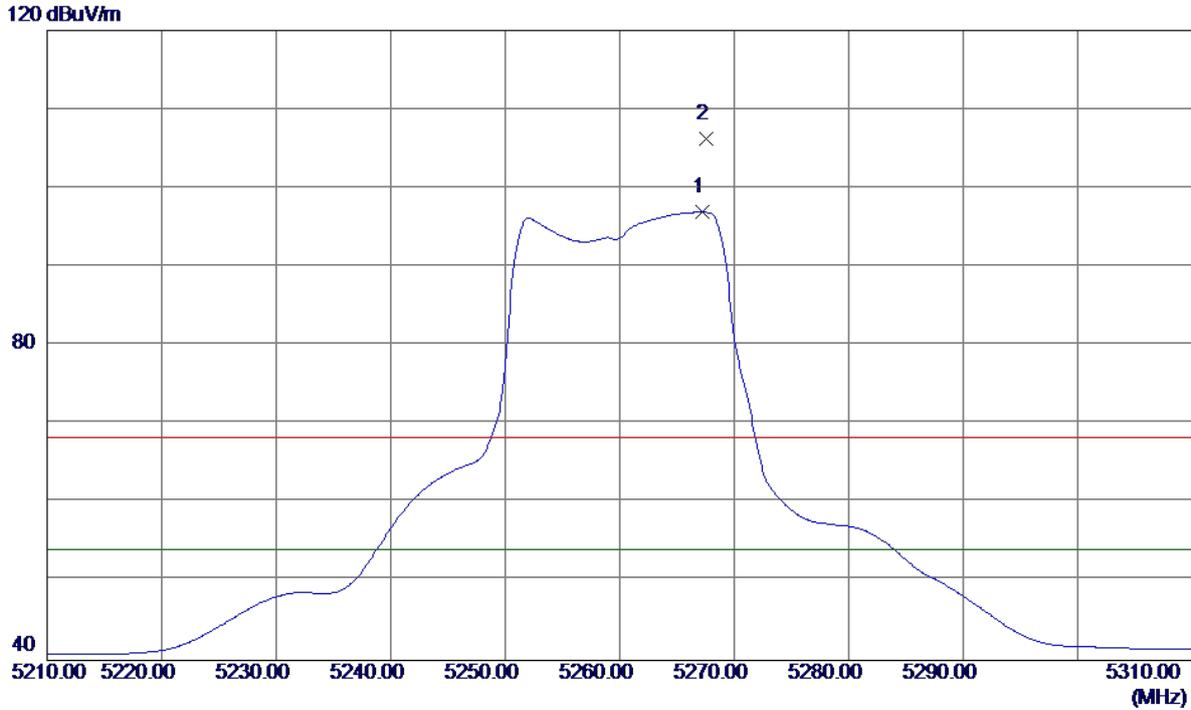
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10640.9500	18.58	15.47	34.05	54.00	-19.95	AVG	
2	10641.1000	27.92	15.47	43.39	68.20	-24.81	Peak	

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

Vertical

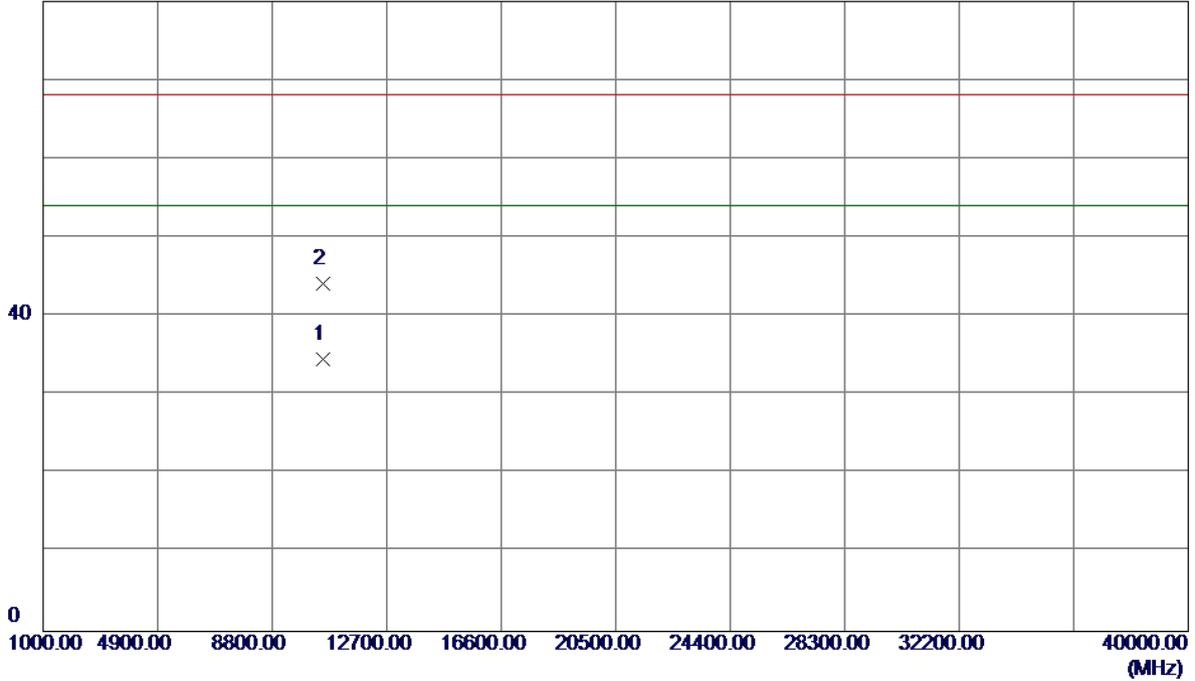


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5267.2000	55.90	41.01	96.91	54.00	42.91	AVG	No Limit
2	5267.6000	65.31	41.01	106.32	68.30	38.02	Peak	No Limit

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

Vertical

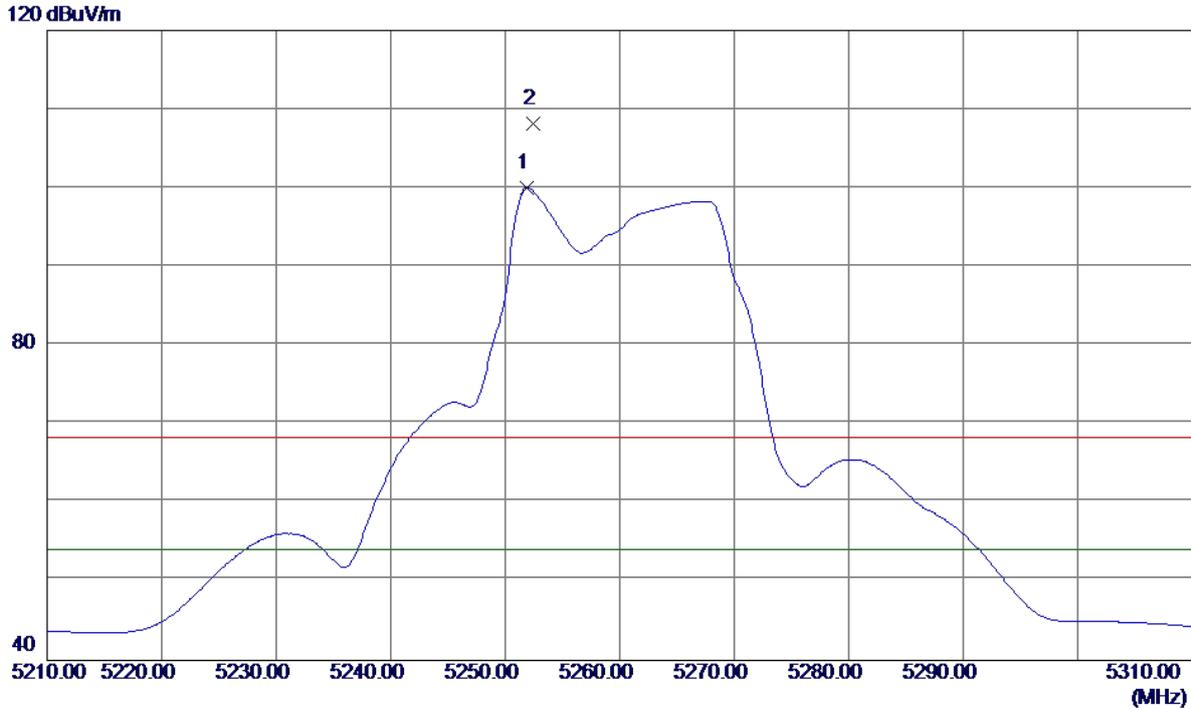
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10519.1700	19.22	15.31	34.53	54.00	-19.47	AVG	
2	10520.3500	28.87	15.32	44.19	68.20	-24.01	Peak	

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

Horizontal

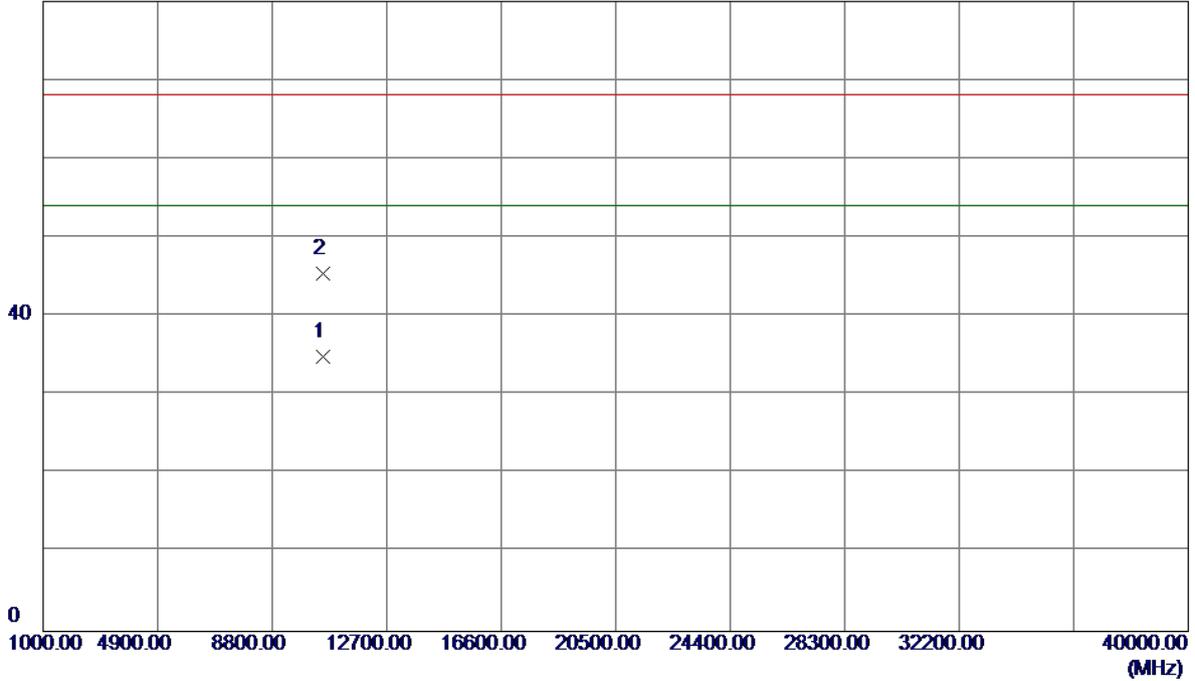


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5251.9000	59.10	40.96	100.06	54.00	46.06	AVG	No Limit
2	5252.4000	67.22	40.96	108.18	68.30	39.88	Peak	No Limit

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

Horizontal

80 dBuV/m

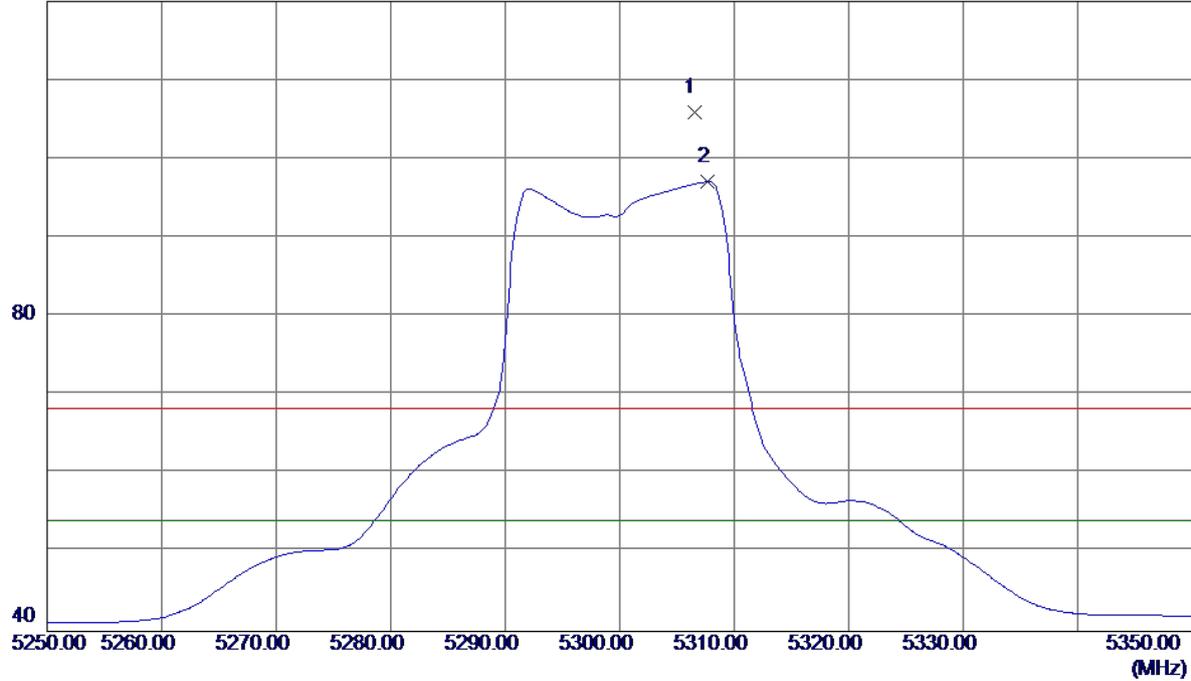


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10521.4100	19.51	15.32	34.83	54.00	-19.17	AVG	
2	10521.1170	30.17	15.32	45.49	68.20	-22.71	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5300MHz

Vertical

120 dBuV/m

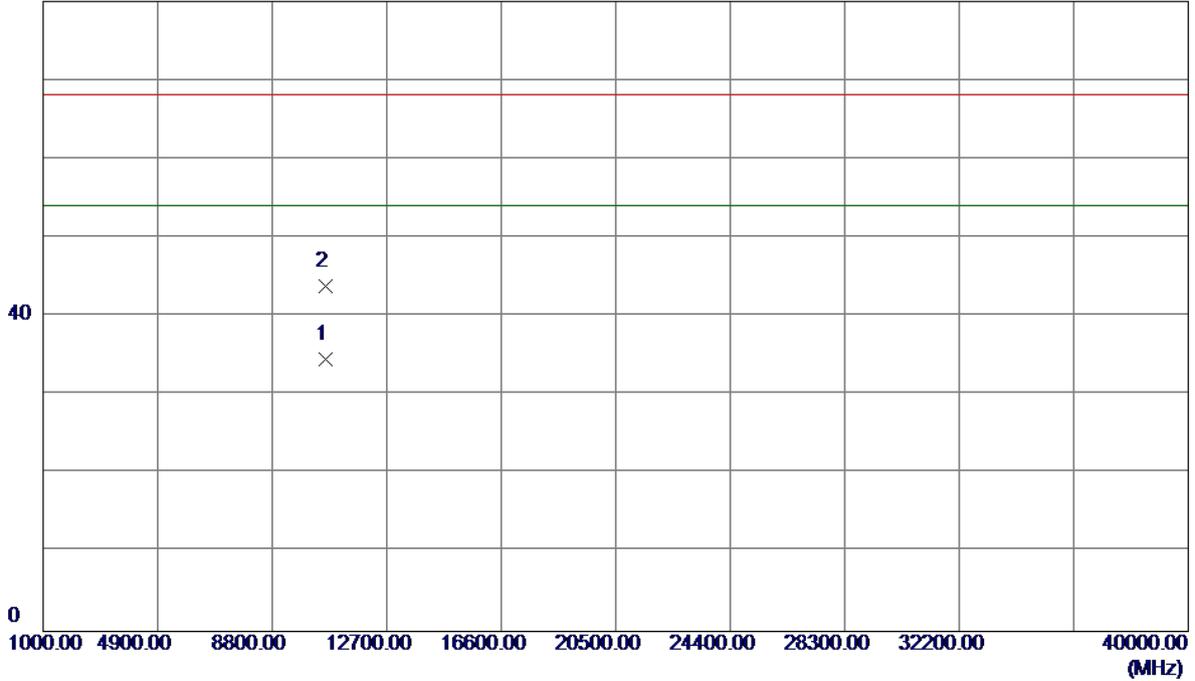


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5306.5000	64.75	41.14	105.89	68.30	37.59	Peak	No Limit
2 *	5307.7000	55.95	41.15	97.10	54.00	43.10	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5300MHz

Vertical

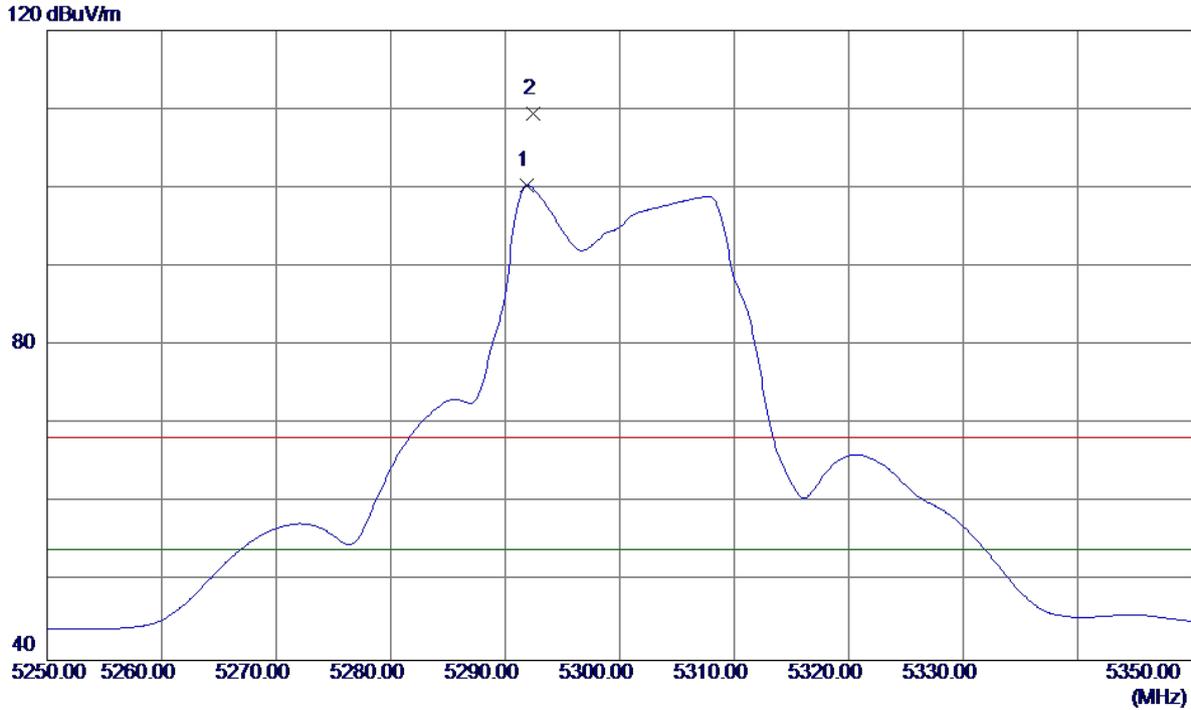
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10599.2400	19.21	15.42	34.63	54.00	-19.37	AVG	
2	10600.4800	28.46	15.42	43.88	68.20	-24.32	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5300MHz

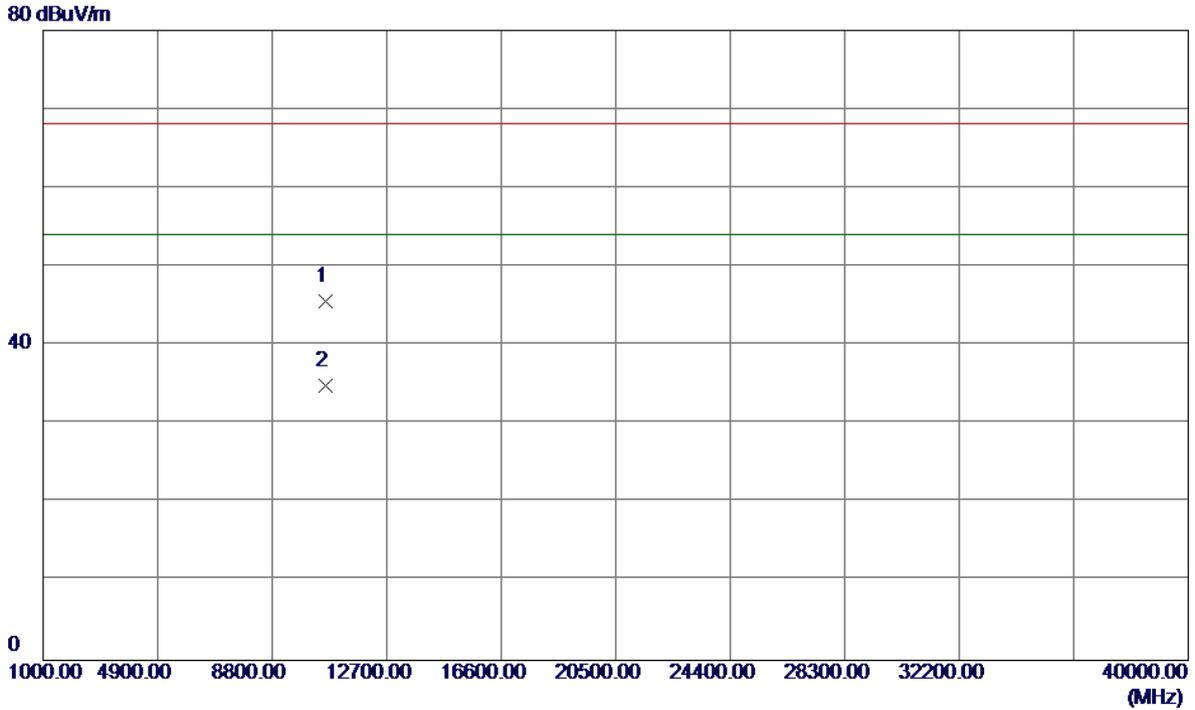
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5291.9000	59.27	41.09	100.36	68.30	32.06	Peak	No Limit
2 *	5292.4000	68.38	41.09	109.47	68.30	41.17	Peak	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX N20 Mode 5300MHz

Horizontal

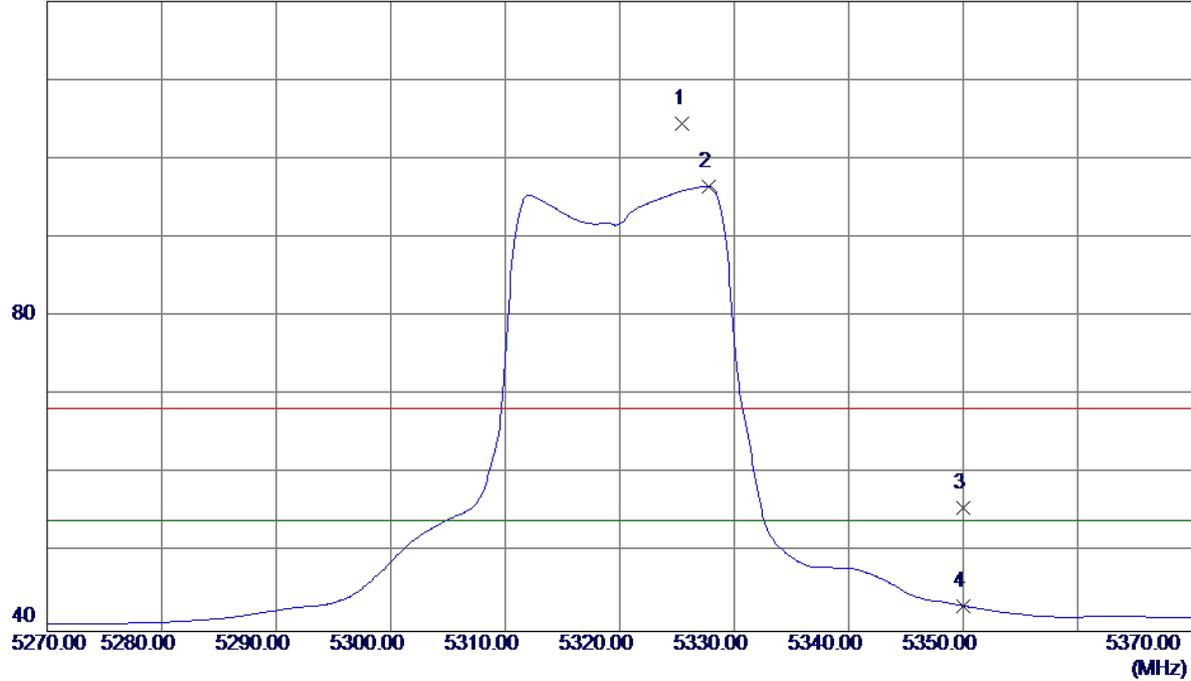


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10600.6500	30.25	15.42	45.67	68.20	-22.53	Peak	
2 *	10601.1000	19.41	15.42	34.83	54.00	-19.17	AVG	

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

Vertical

120 dBuV/m

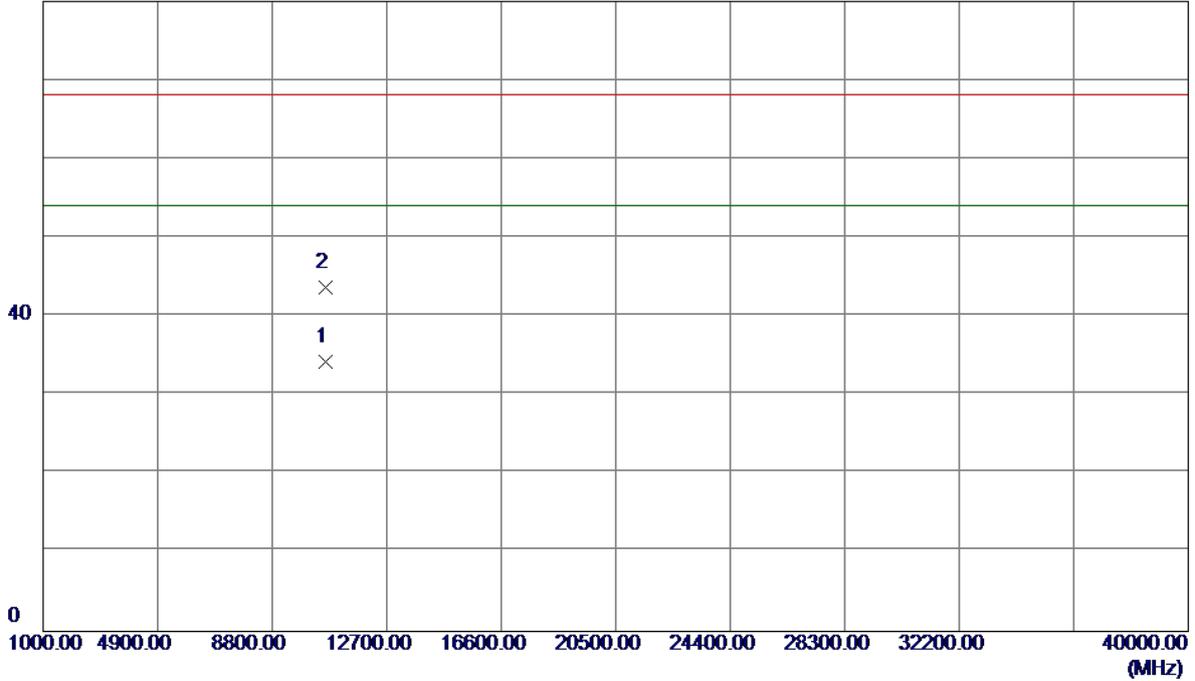


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5325.5000	63.27	41.20	104.47	68.30	36.17	Peak	No Limit
2 *	5327.8000	55.31	41.21	96.52	54.00	42.52	AVG	No Limit
3	5350.0000	14.41	41.28	55.69	68.30	-12.61	Peak	
4	5350.0000	1.95	41.28	43.23	54.00	-10.77	AVG	

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

Vertical

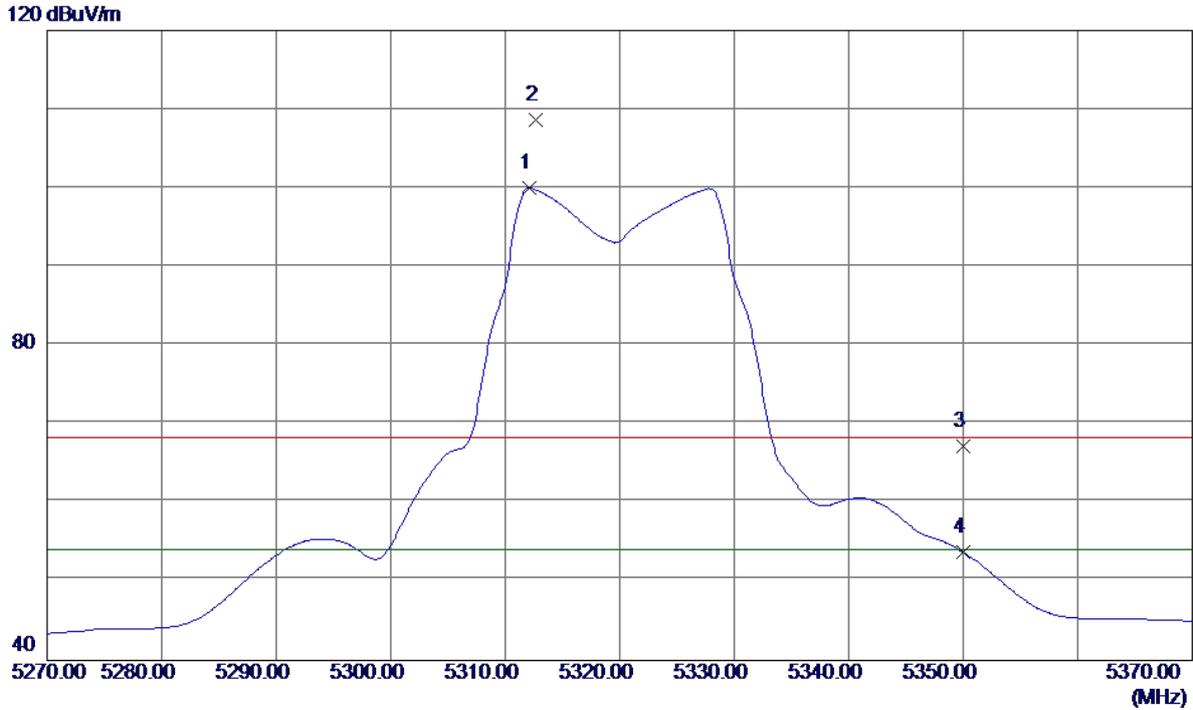
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10639.2300	18.74	15.47	34.21	54.00	-19.79	AVG	
2	10640.4500	28.29	15.47	43.76	68.20	-24.44	Peak	

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

Horizontal

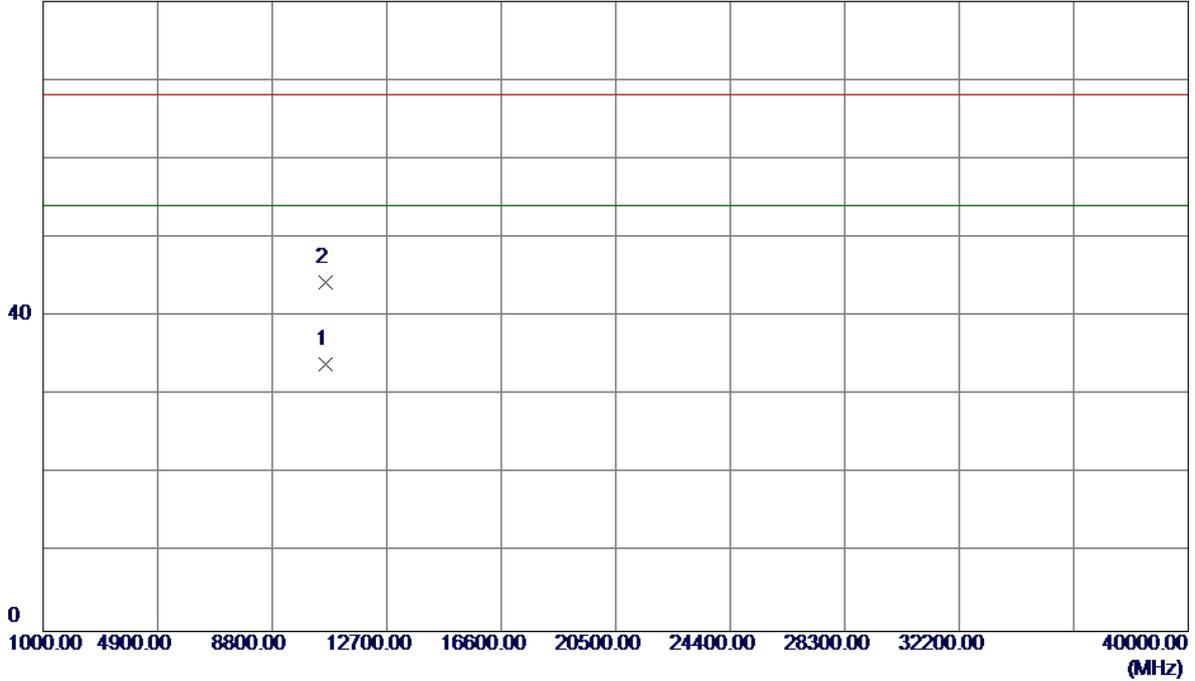


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5312.1000	58.82	41.16	99.98	54.00	45.98	AVG	No Limit
2	5312.7000	67.52	41.16	108.68	68.30	40.38	Peak	No Limit
3	5350.0000	25.88	41.28	67.16	68.30	-1.14	Peak	
4	5350.0000	12.44	41.28	53.72	54.00	-0.28	AVG	

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

Horizontal

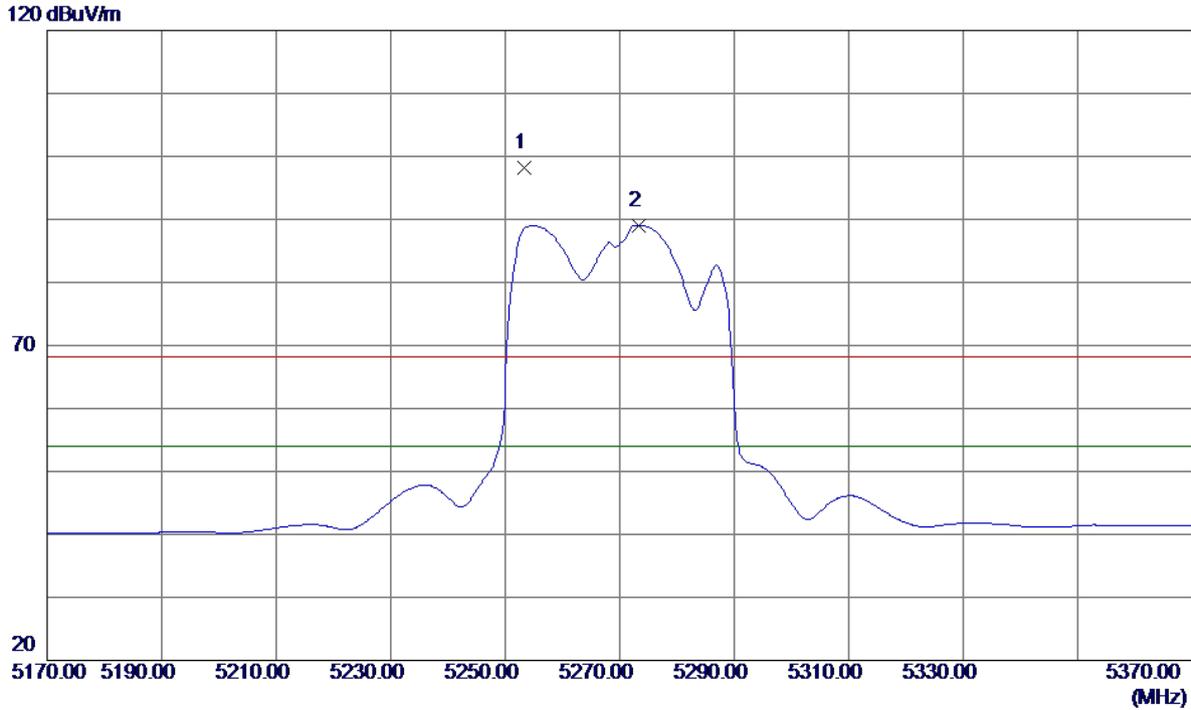
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10640.8200	18.47	15.47	33.94	54.00	-20.06	AVG	
2	10641.2600	28.90	15.47	44.37	68.20	-23.83	Peak	

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

Vertical

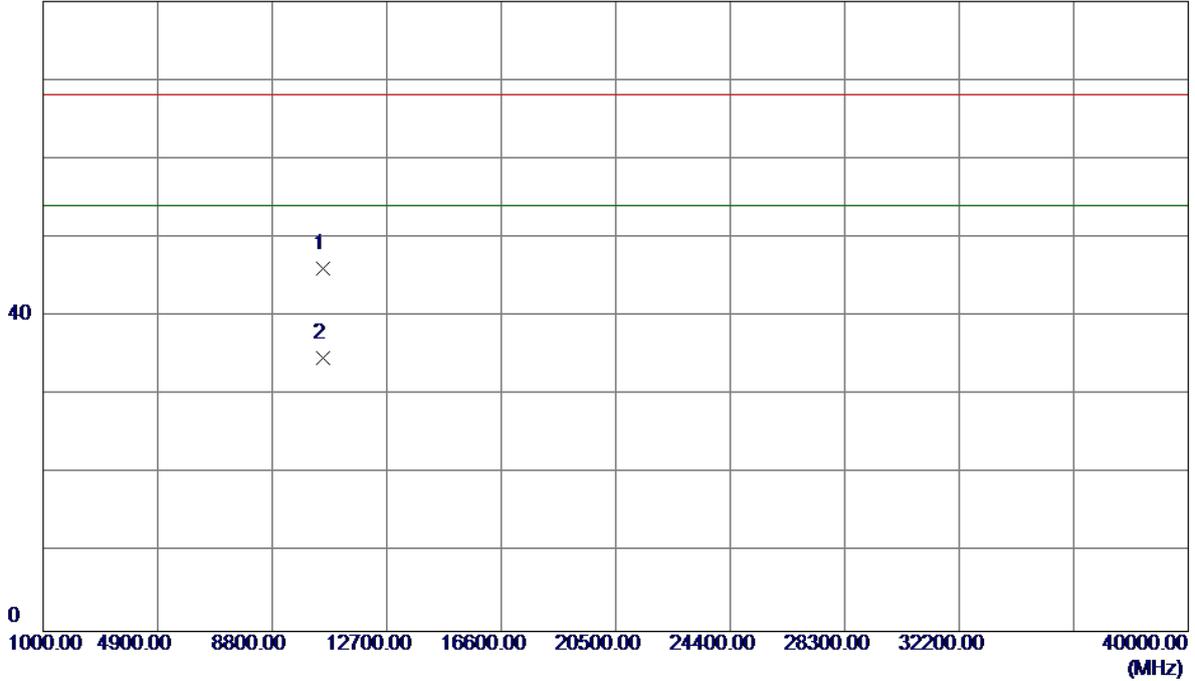


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5253.4000	57.20	40.97	98.17	68.20	29.97	Peak	NO LIMIT
2 *	5273.3000	48.03	41.03	89.06	54.00	35.06	AVG	NO LIMIT

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

Vertical

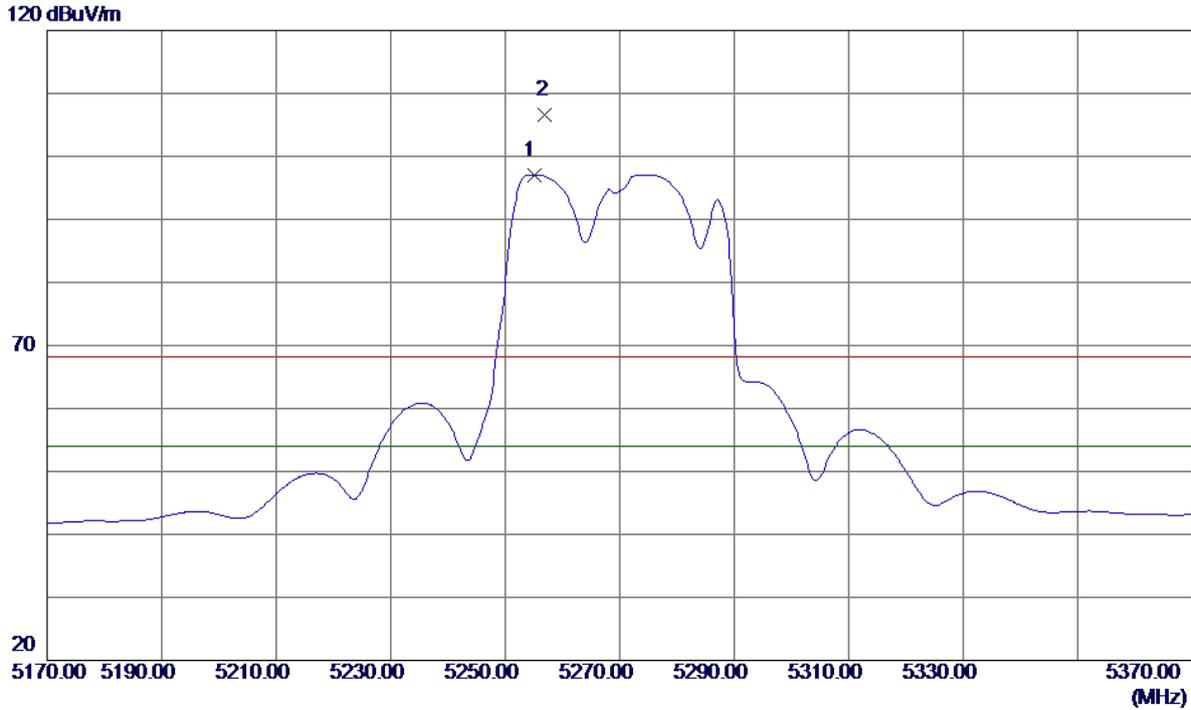
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10540.8500	30.77	15.34	46.11	68.20	-22.09	Peak	
2 *	10541.3500	19.45	15.34	34.79	54.00	-19.21	AVG	

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

Horizontal

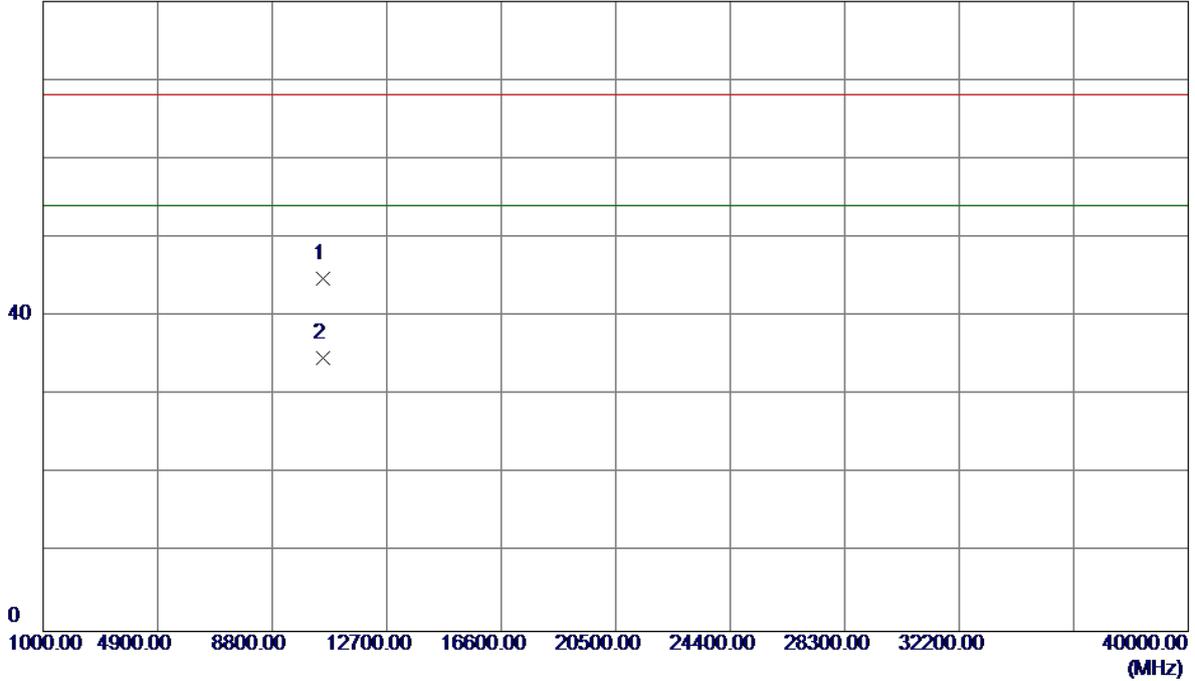


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5255.0000	56.11	40.97	97.08	54.00	43.08	AVG	NO LIMIT
2	5257.0000	65.53	40.98	106.51	68.20	38.31	Peak	NO LIMIT

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

Horizontal

80 dBuV/m

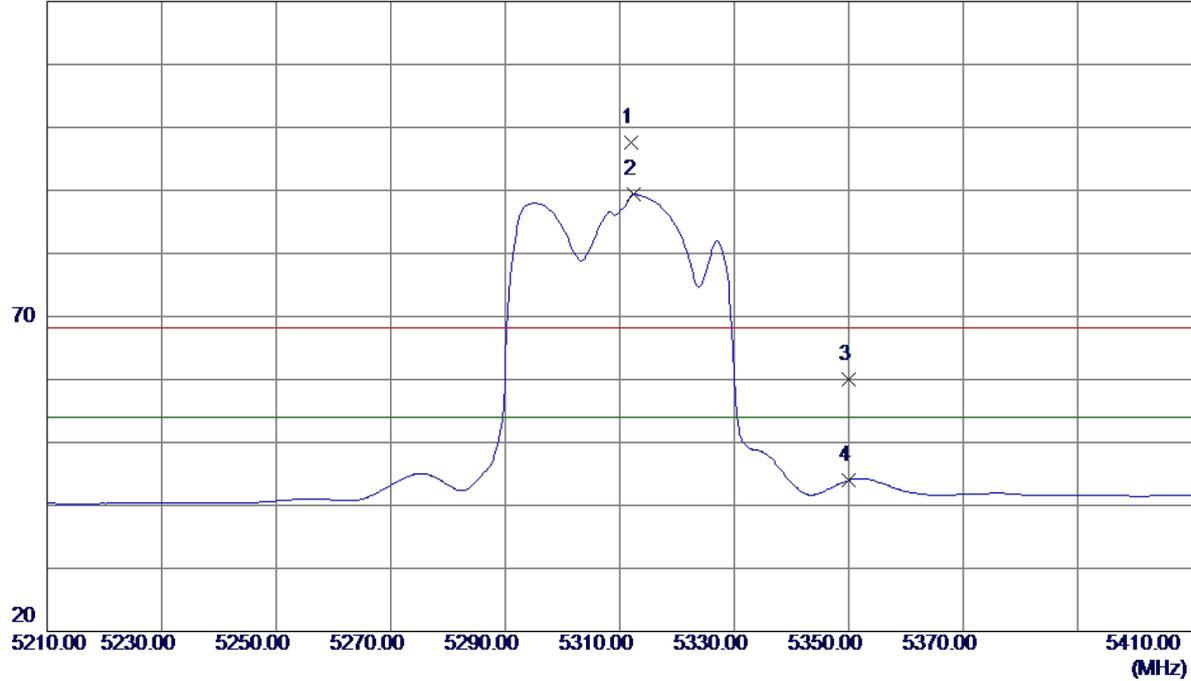


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10539.3500	29.53	15.34	44.87	68.20	-23.33	Peak	
2 *	10540.4500	19.43	15.34	34.77	54.00	-19.23	AVG	

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

Vertical

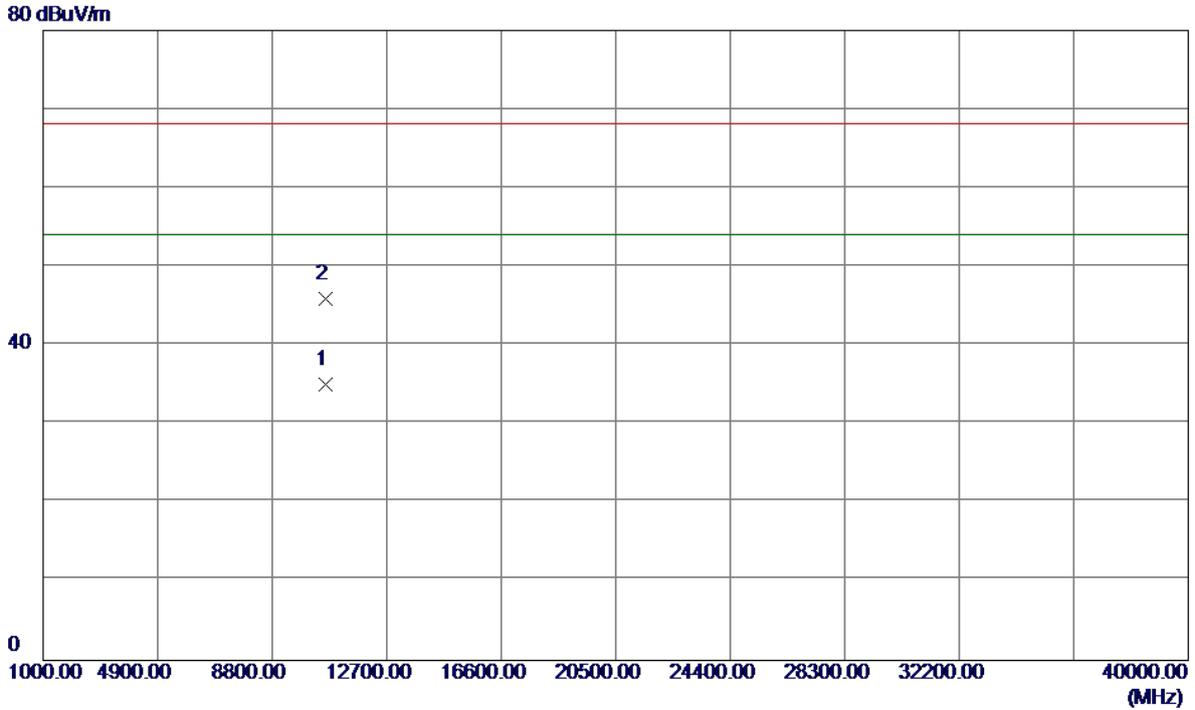
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5312.0000	56.43	41.16	97.59	68.20	29.39	Peak	NO LIMIT
2 *	5312.5000	48.19	41.16	89.35	54.00	35.35	AVG	NO LIMIT
3	5350.0000	18.76	41.28	60.04	68.20	-8.16	Peak	
4	5350.0000	2.73	41.28	44.01	54.00	-9.99	AVG	

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

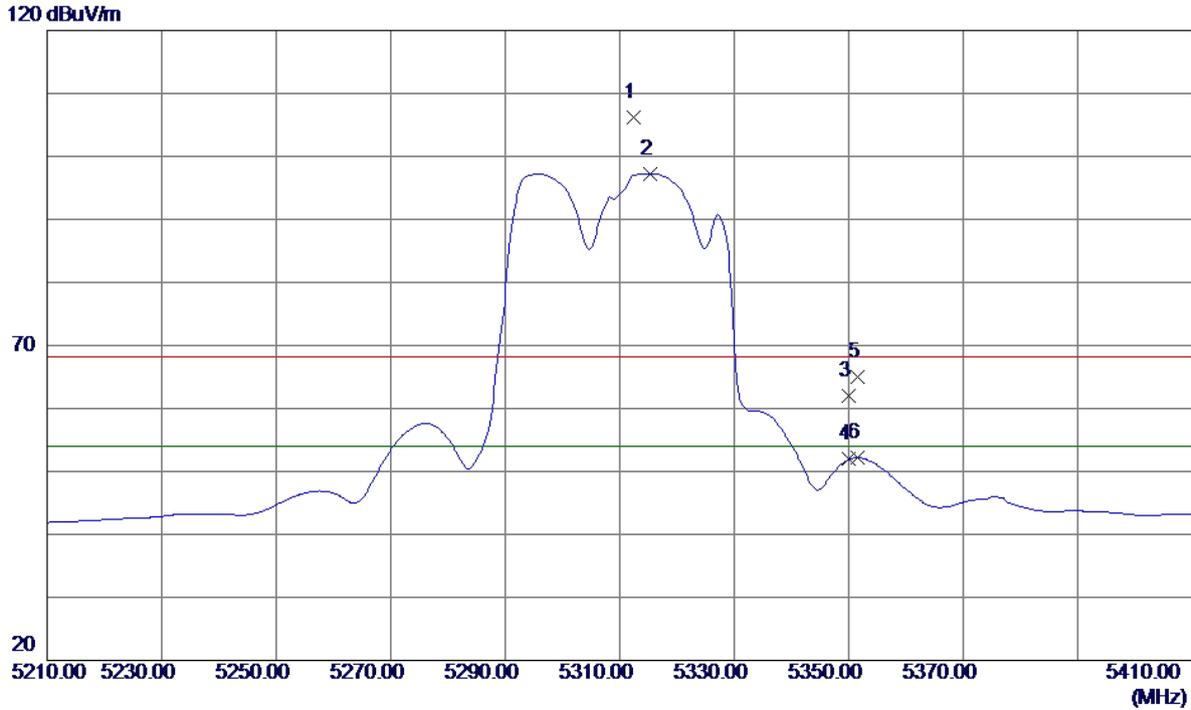
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10618.9500	19.53	15.44	34.97	54.00	-19.03	AVG	
2	10619.4500	30.52	15.44	45.96	68.20	-22.24	Peak	

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

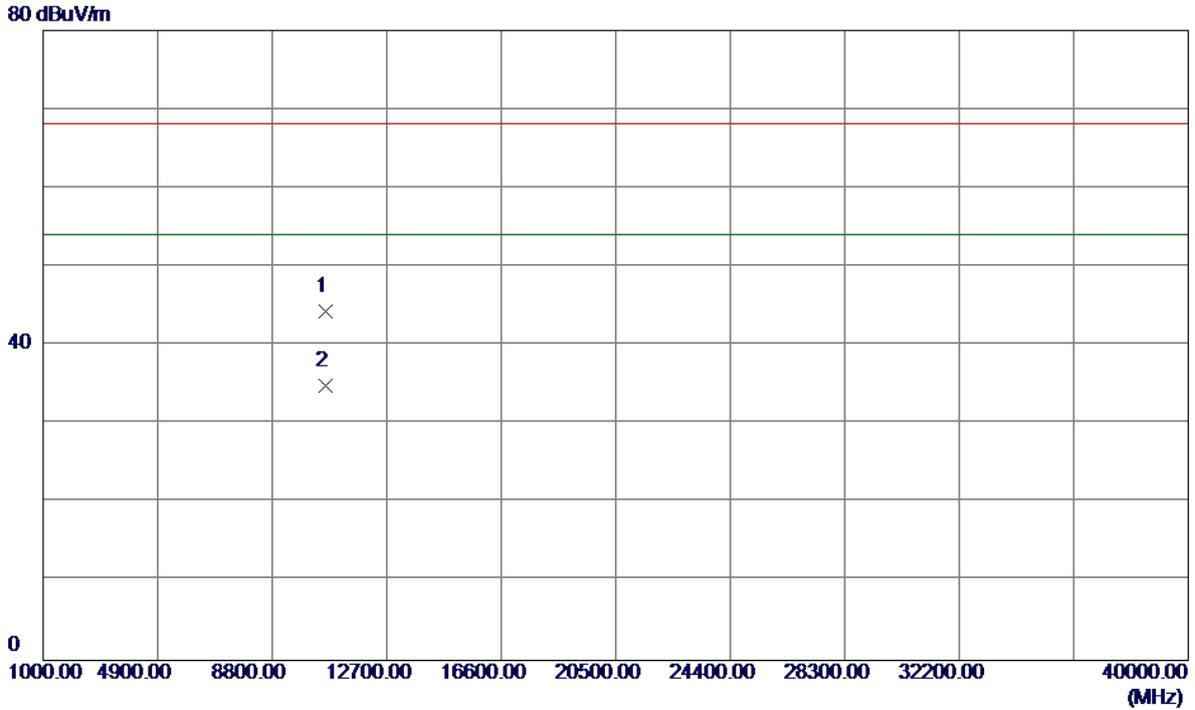
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5312.5000	65.11	41.16	106.27	68.20	38.07	Peak	NO LIMIT
2 *	5315.3000	56.11	41.17	97.28	54.00	43.28	AVG	NO LIMIT
3	5350.0000	20.70	41.28	61.98	68.20	-6.22	Peak	
4	5350.0000	10.63	41.28	51.91	54.00	-2.09	AVG	
5	5351.6000	23.69	41.29	64.98	68.20	-3.22	Peak	
6	5351.6000	10.88	41.29	52.17	54.00	-1.83	AVG	

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

Horizontal

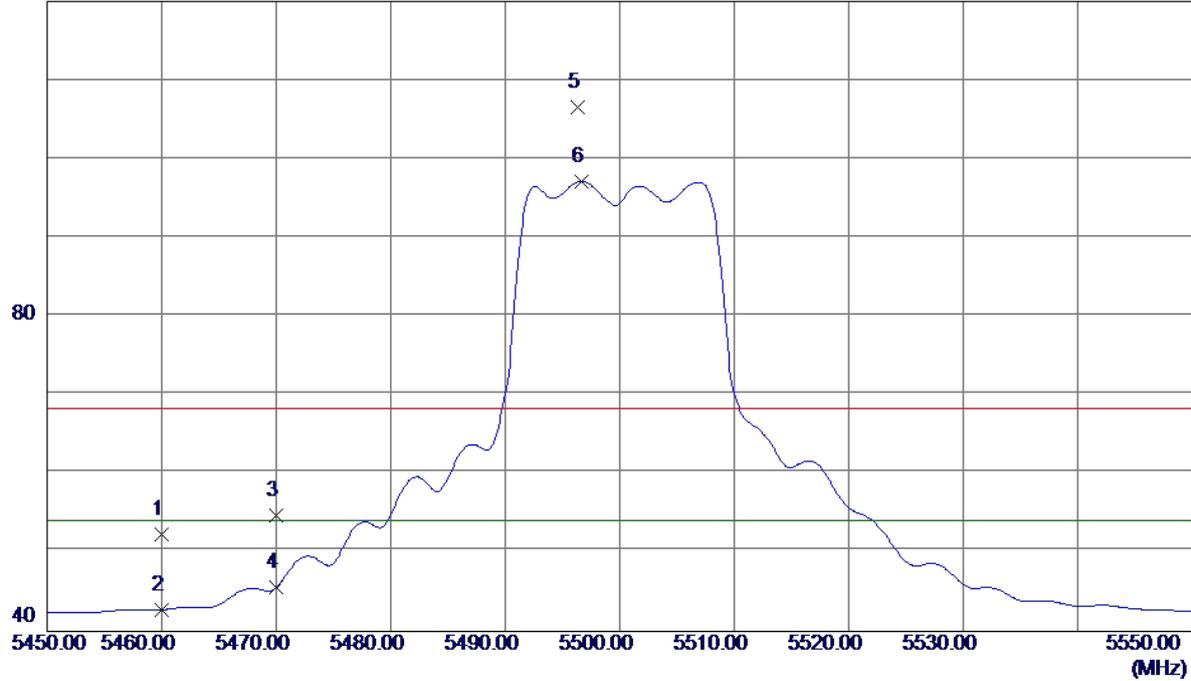


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10620.4000	28.88	15.44	44.32	68.20	-23.88	Peak	
2 *	10620.4000	19.49	15.44	34.93	54.00	-19.07	AVG	

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

Vertical

120 dBuV/m

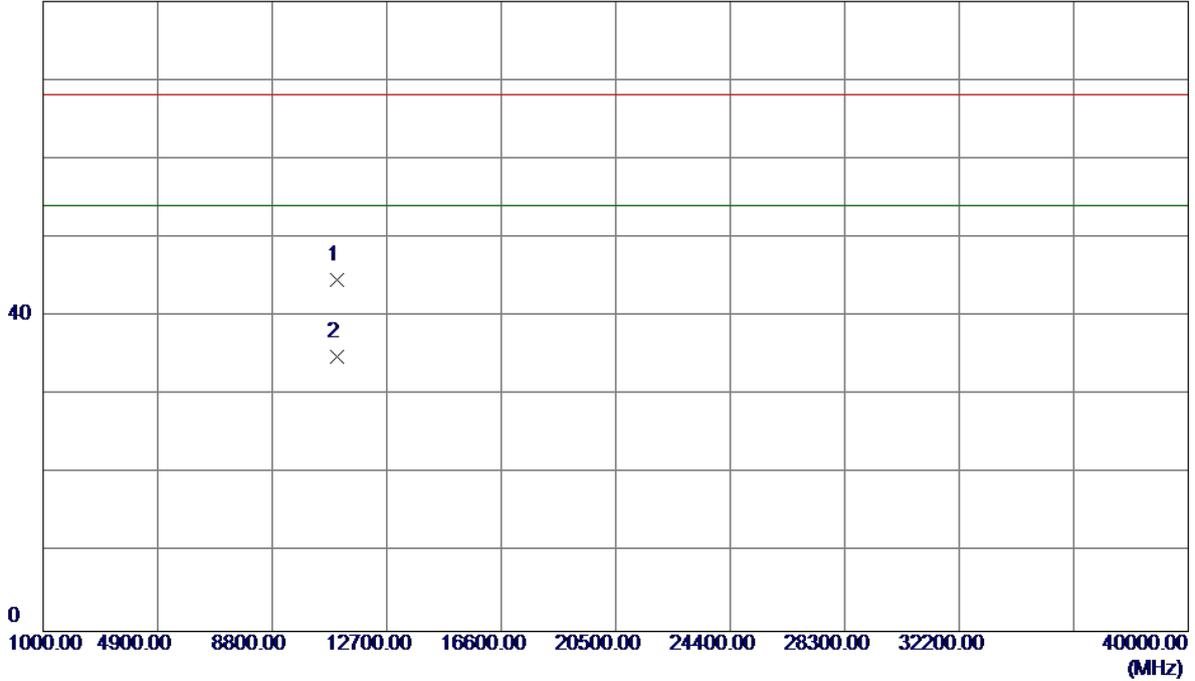


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	10.62	41.65	52.27	68.30	-16.03	Peak	
2	5460.0000	1.08	41.65	42.73	54.00	-11.27	AVG	
3	5470.0000	13.03	41.68	54.71	68.30	-13.59	Peak	
4	5470.0000	3.86	41.68	45.54	54.00	-8.46	AVG	
5	5496.3000	64.78	41.77	106.55	68.30	38.25	Peak	No Limit
6 *	5496.7000	55.36	41.77	97.13	54.00	43.13	AVG	No Limit

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

Vertical

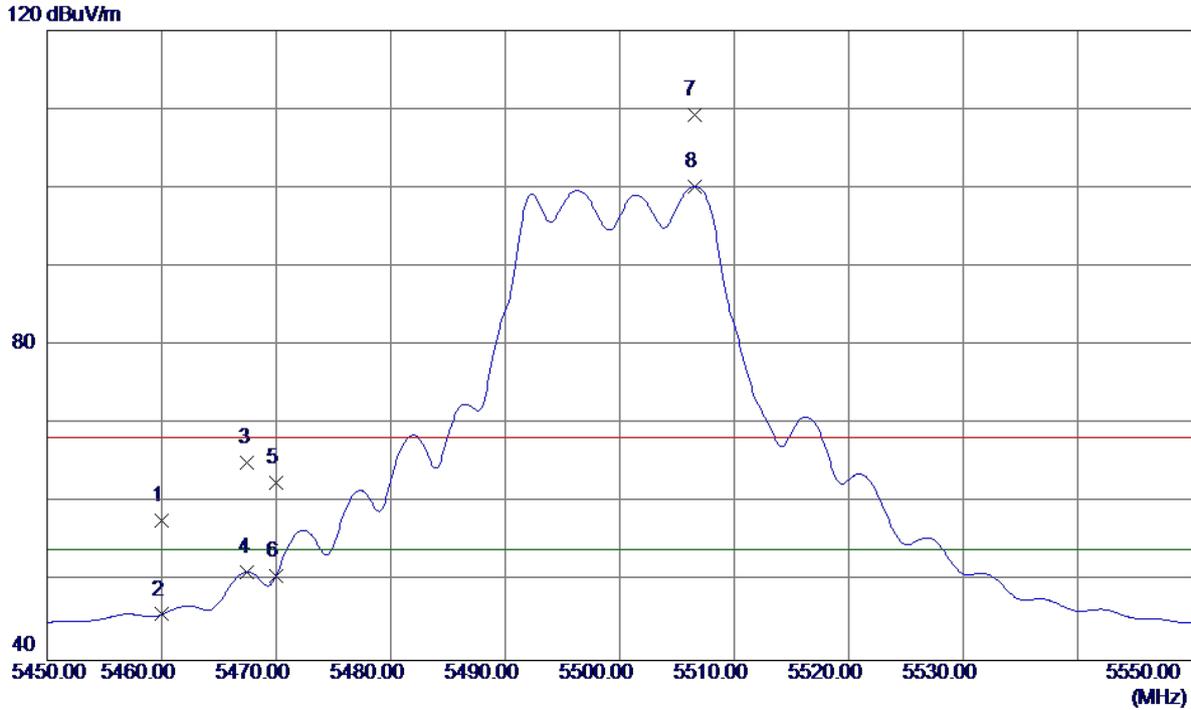
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10998.5500	28.76	15.93	44.69	68.20	-23.51	Peak	
2 *	11000.9000	19.01	15.93	34.94	54.00	-19.06	AVG	

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

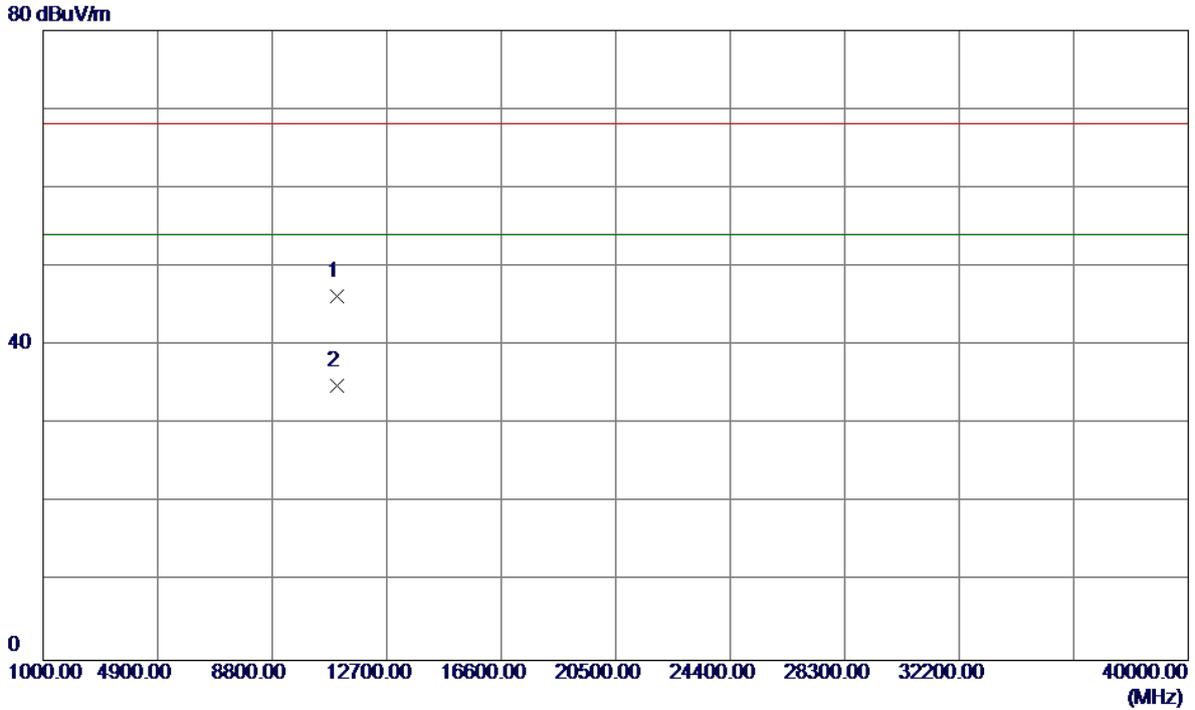
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	16.18	41.65	57.83	68.30	-10.47	Peak	
2	5460.0000	4.19	41.65	45.84	54.00	-8.16	AVG	
3	5467.5000	23.41	41.67	65.08	68.30	-3.22	Peak	
4	5467.5000	9.56	41.67	51.23	54.00	-2.77	AVG	
5	5470.0000	20.84	41.68	62.52	68.30	-5.78	Peak	
6	5470.0000	9.11	41.68	50.79	54.00	-3.21	AVG	
7	5506.5000	67.42	41.80	109.22	68.30	40.92	Peak	No Limit
8 *	5506.6000	58.35	41.80	100.15	54.00	46.15	AVG	No Limit

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

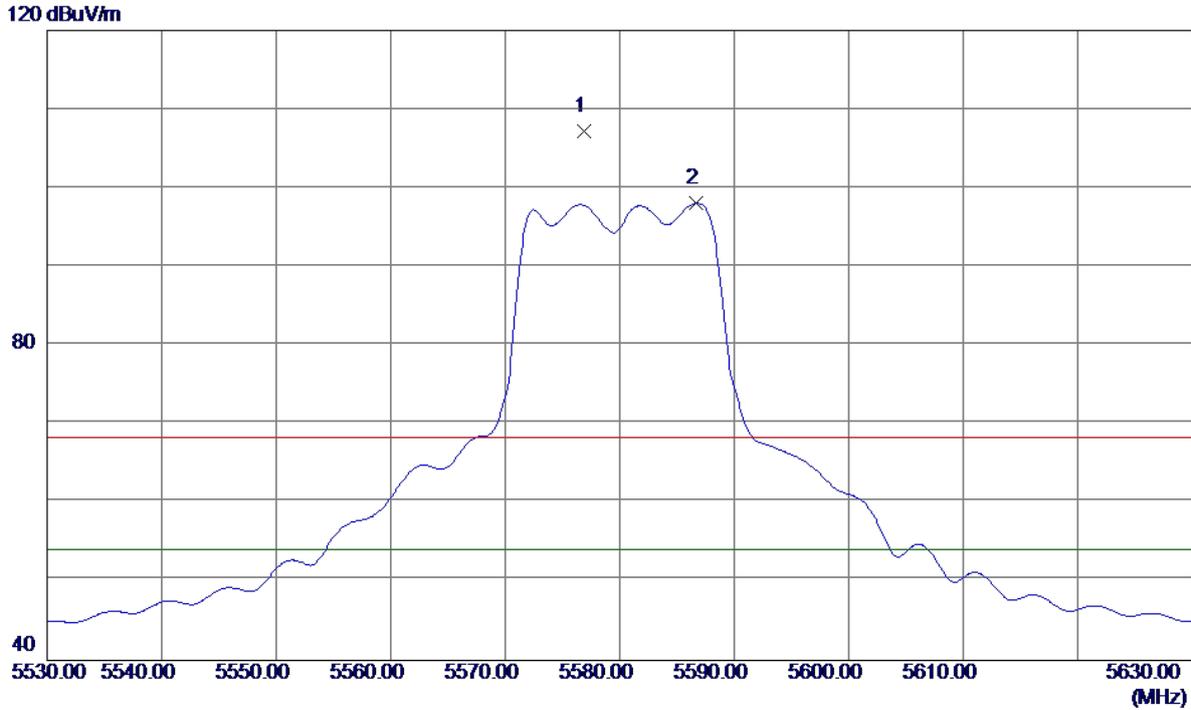
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11000.7500	30.27	15.93	46.20	68.20	-22.00	Peak	
2 *	11000.9500	19.02	15.93	34.95	54.00	-19.05	AVG	

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

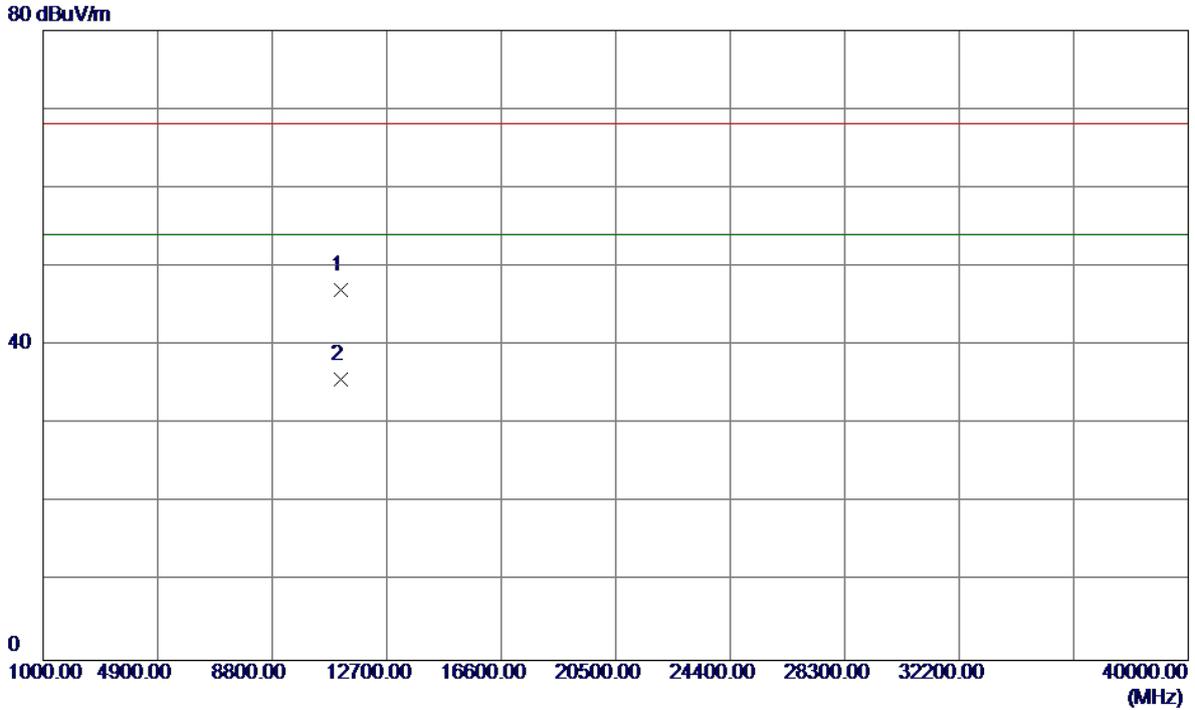
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5576.9000	65.17	42.05	107.22	68.30	38.92	Peak	No Limit
2 *	5586.7000	55.93	42.09	98.02	54.00	44.02	AVG	No Limit

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

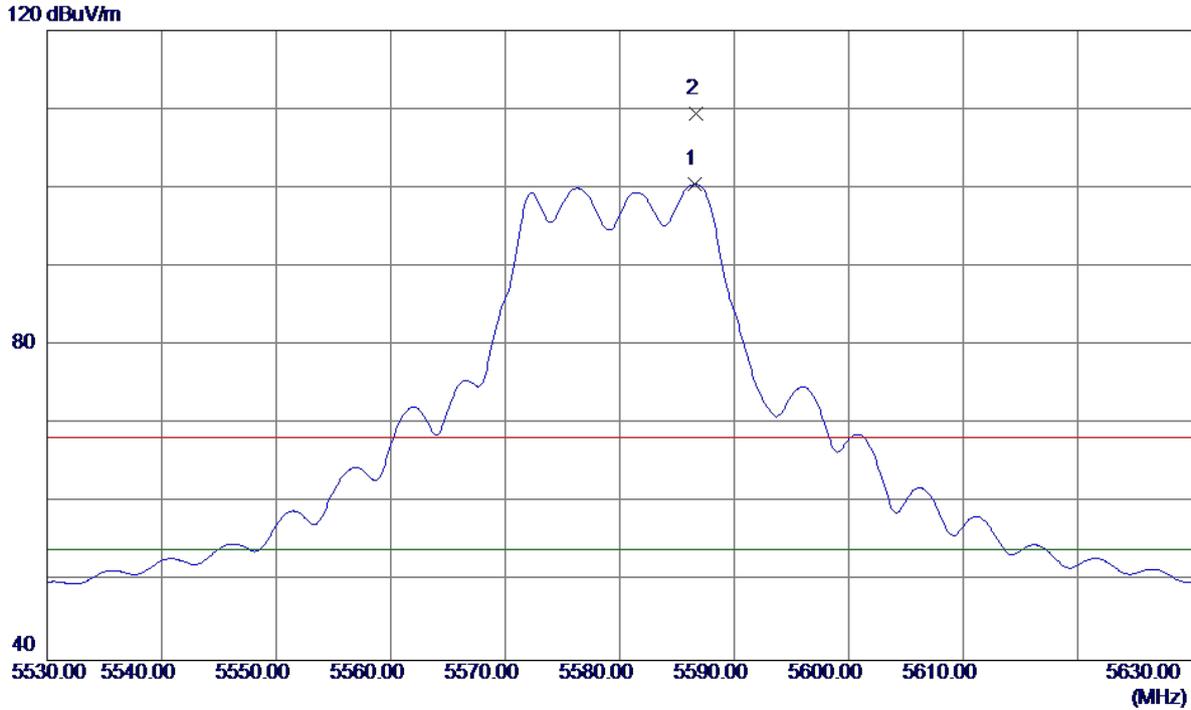
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11159.5000	31.24	15.79	47.03	68.20	-21.17	Peak	
2 *	11161.4000	19.84	15.78	35.62	54.00	-18.38	AVG	

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

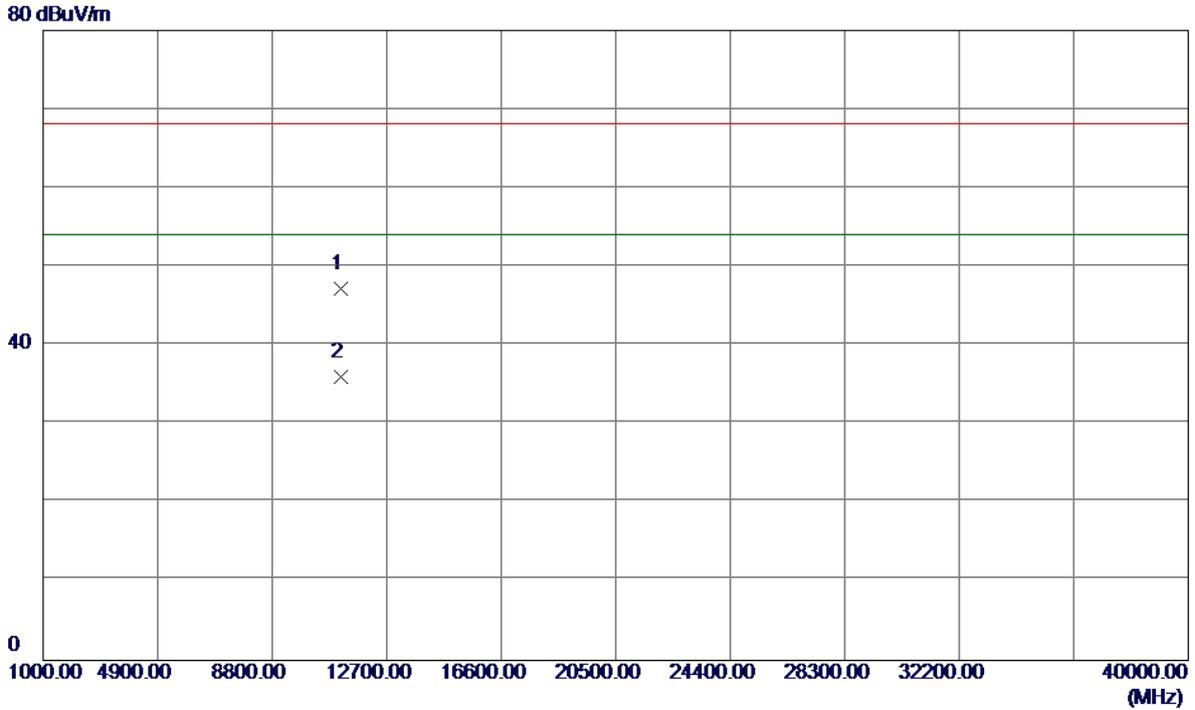
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5586.6000	58.37	42.09	100.46	54.00	46.46	AVG	No Limit
2	5586.7000	67.41	42.09	109.50	68.30	41.20	Peak	No Limit

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

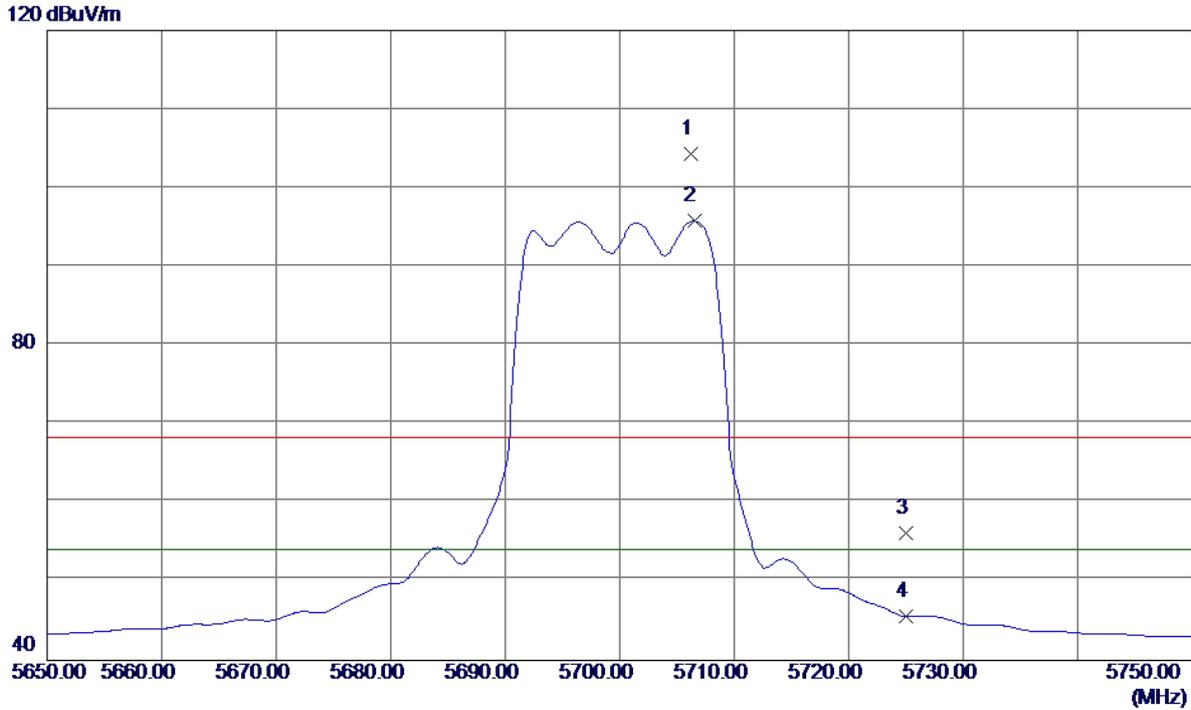
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11160.5000	31.38	15.79	47.17	68.20	-21.03	Peak	
2 *	11161.1500	20.29	15.78	36.07	54.00	-17.93	AVG	

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

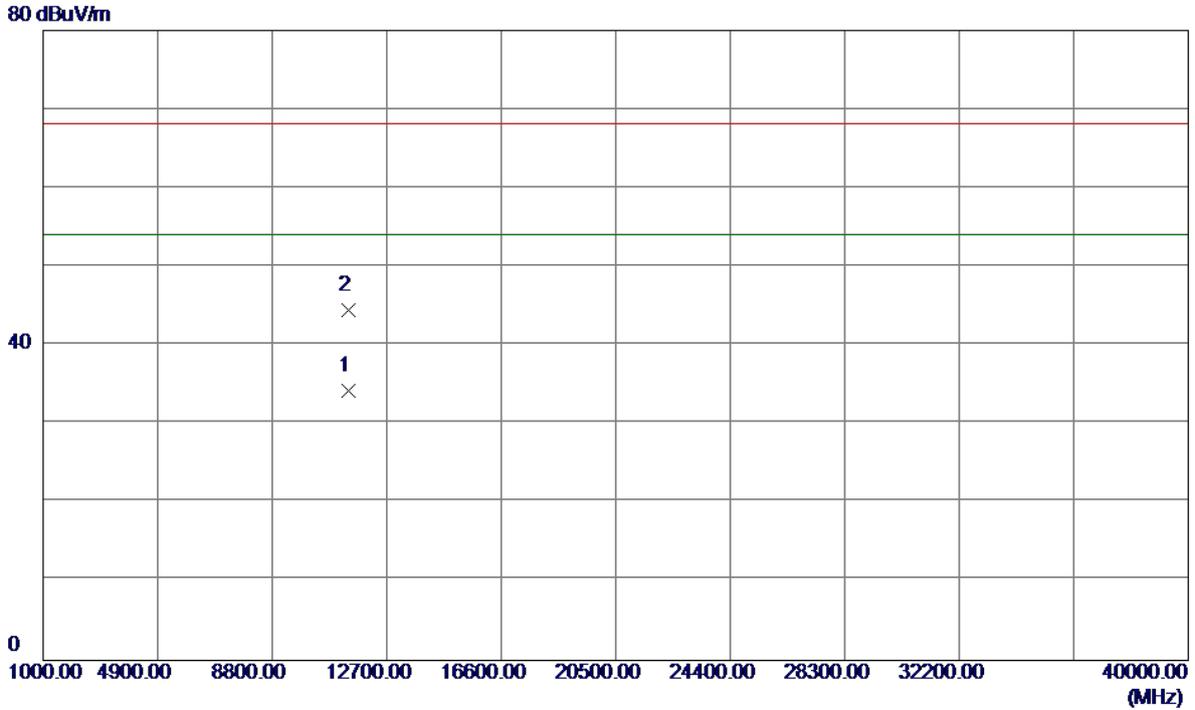
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5706.2000	61.78	42.51	104.29	68.30	35.99	Peak	No Limit
2 *	5706.5000	53.29	42.51	95.80	54.00	41.80	AVG	No Limit
3	5725.0000	13.60	42.58	56.18	68.30	-12.12	Peak	
4	5725.0000	2.98	42.58	45.56	54.00	-8.44	AVG	

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

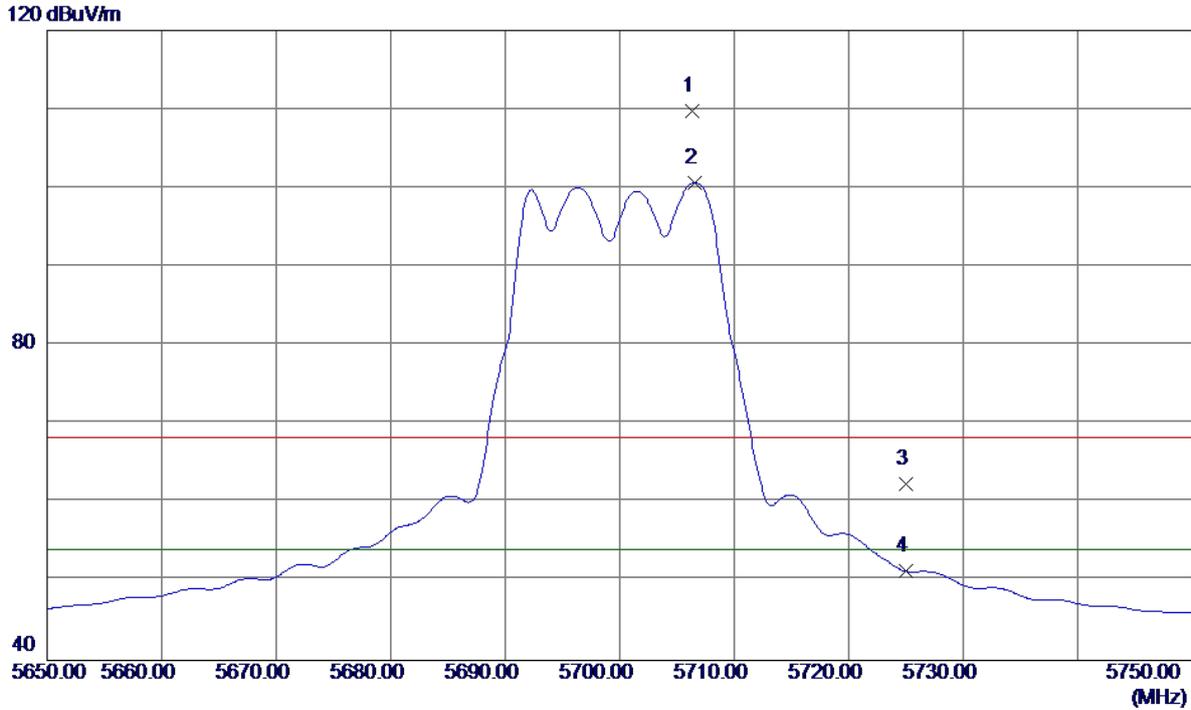
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11399.3099	18.62	15.57	34.19	54.00	-19.81	AVG	
2	11400.4500	28.88	15.57	44.45	68.20	-23.75	Peak	

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

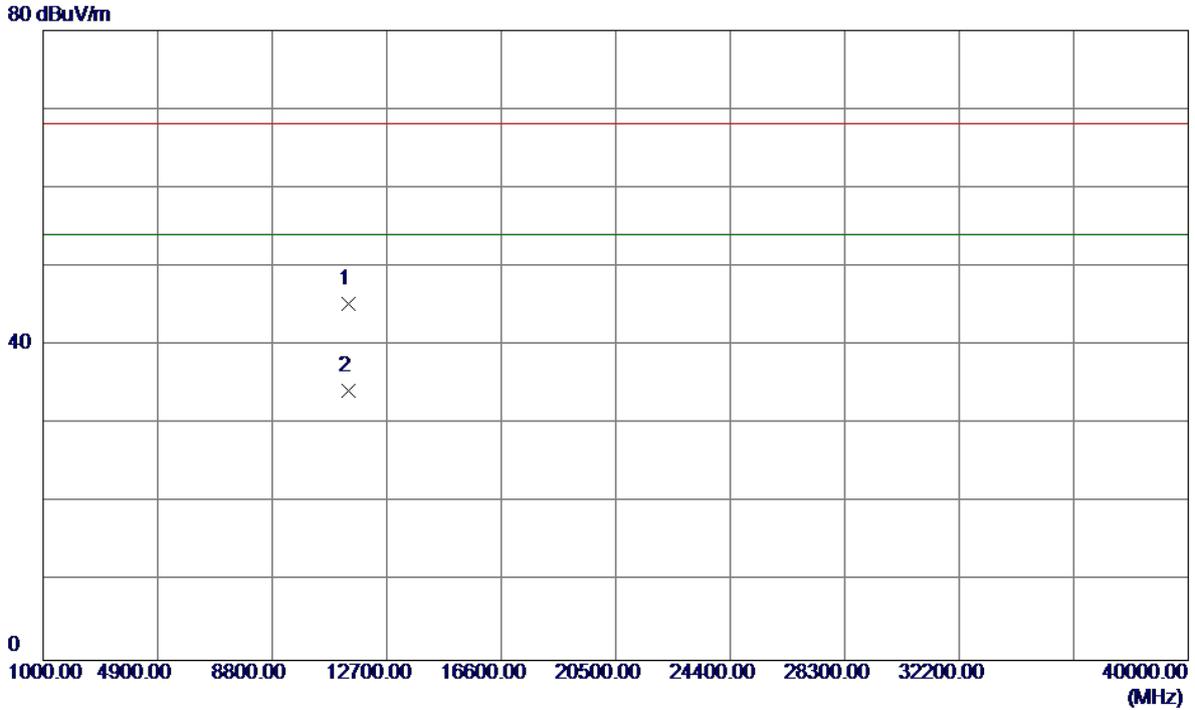
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5706.3000	67.20	42.51	109.71	68.30	41.41	Peak	No Limit
2 *	5706.6000	58.17	42.52	100.69	54.00	46.69	AVG	No Limit
3	5725.0000	19.82	42.58	62.40	68.30	-5.90	Peak	
4	5725.0000	8.72	42.58	51.30	54.00	-2.70	AVG	

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

Horizontal

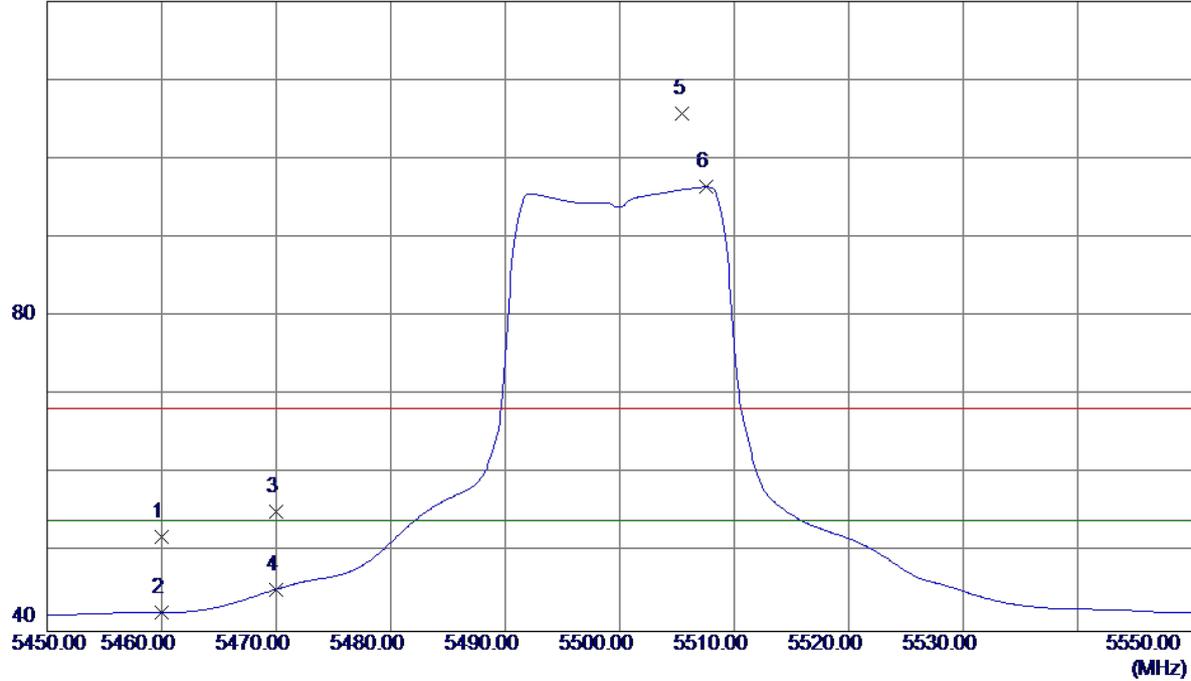


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11400.5500	29.72	15.57	45.29	68.20	-22.91	Peak	
2 *	11400.9000	18.65	15.57	34.22	54.00	-19.78	AVG	

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

Vertical

120 dBuV/m

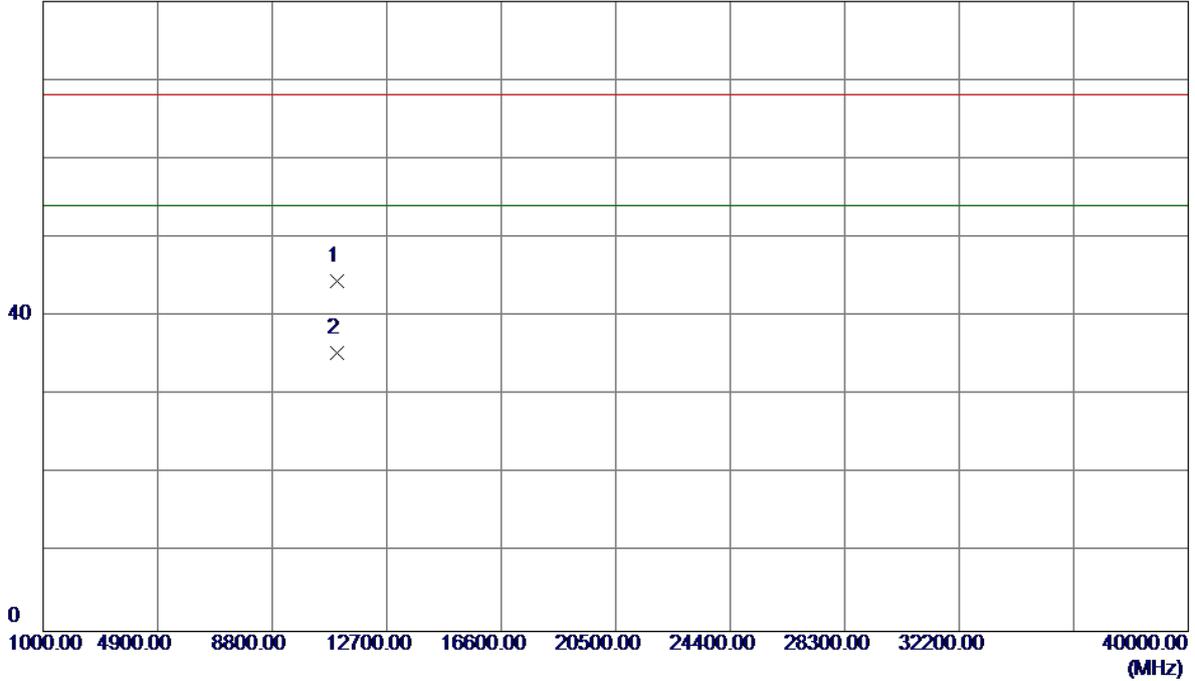


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	10.36	41.65	52.01	68.30	-16.29	Peak	
2	5460.0000	0.73	41.65	42.38	54.00	-11.62	AVG	
3	5470.0000	13.51	41.68	55.19	68.30	-13.11	Peak	
4	5470.0000	3.64	41.68	45.32	54.00	-8.68	AVG	
5	5505.5000	63.97	41.80	105.77	68.30	37.47	Peak	No Limit
6 *	5507.6000	54.62	41.81	96.43	54.00	42.43	AVG	No Limit

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

Vertical

80 dBuV/m

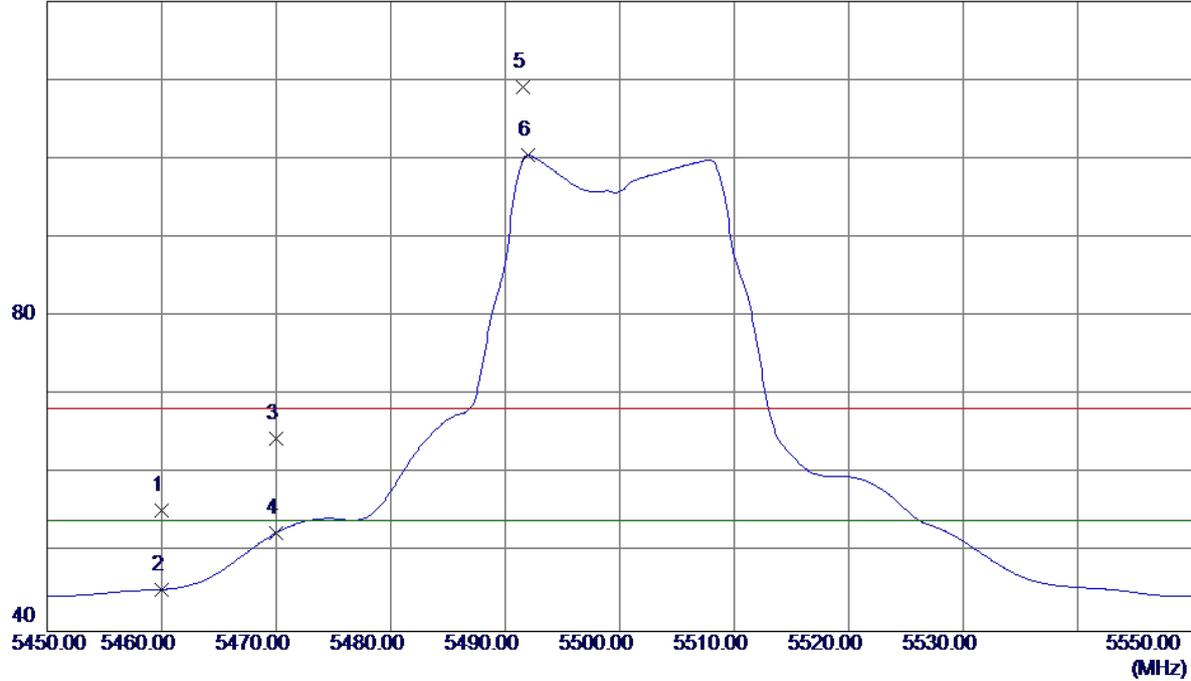


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10999.4600	28.52	15.93	44.45	68.20	-23.75	Peak	
2 *	11000.8099	19.36	15.93	35.29	54.00	-18.71	AVG	

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

Horizontal

120 dBuV/m

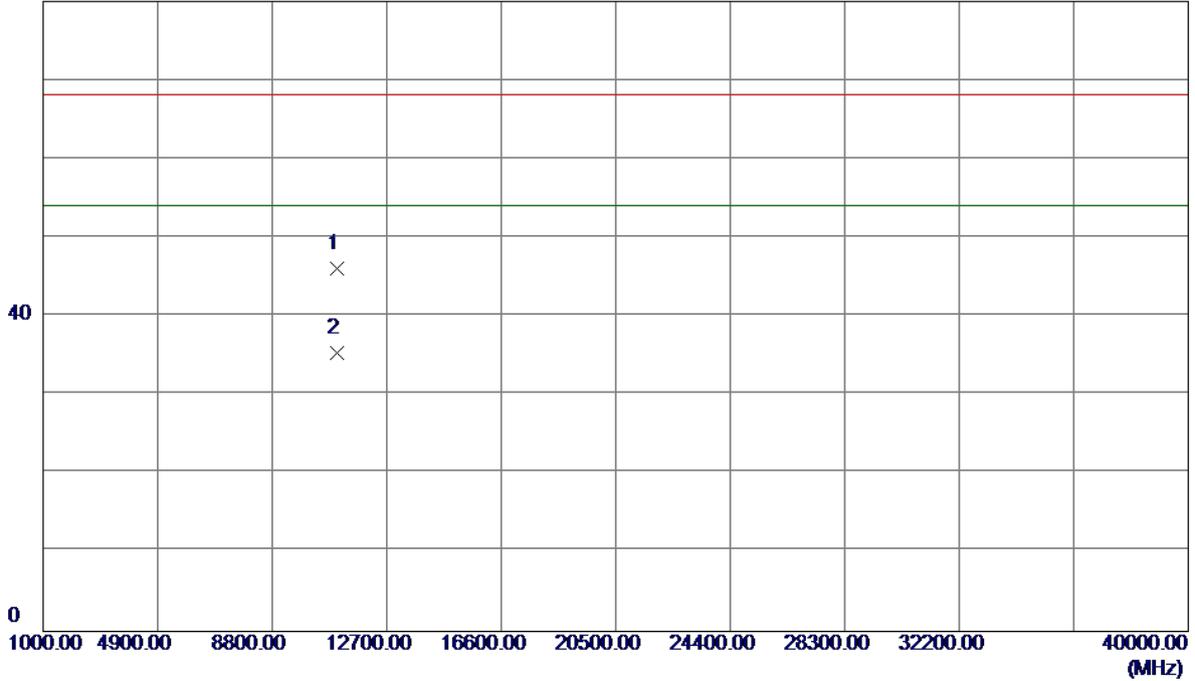


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	13.66	41.65	55.31	68.30	-12.99	Peak	
2	5460.0000	3.68	41.65	45.33	54.00	-8.67	AVG	
3	5470.0000	22.84	41.68	64.52	68.30	-3.78	Peak	
4	5470.0000	10.82	41.68	52.50	54.00	-1.50	AVG	
5	5491.6000	67.44	41.75	109.19	68.30	40.89	Peak	No Limit
6 *	5492.0000	58.72	41.75	100.47	54.00	46.47	AVG	No Limit

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

Horizontal

80 dBuV/m

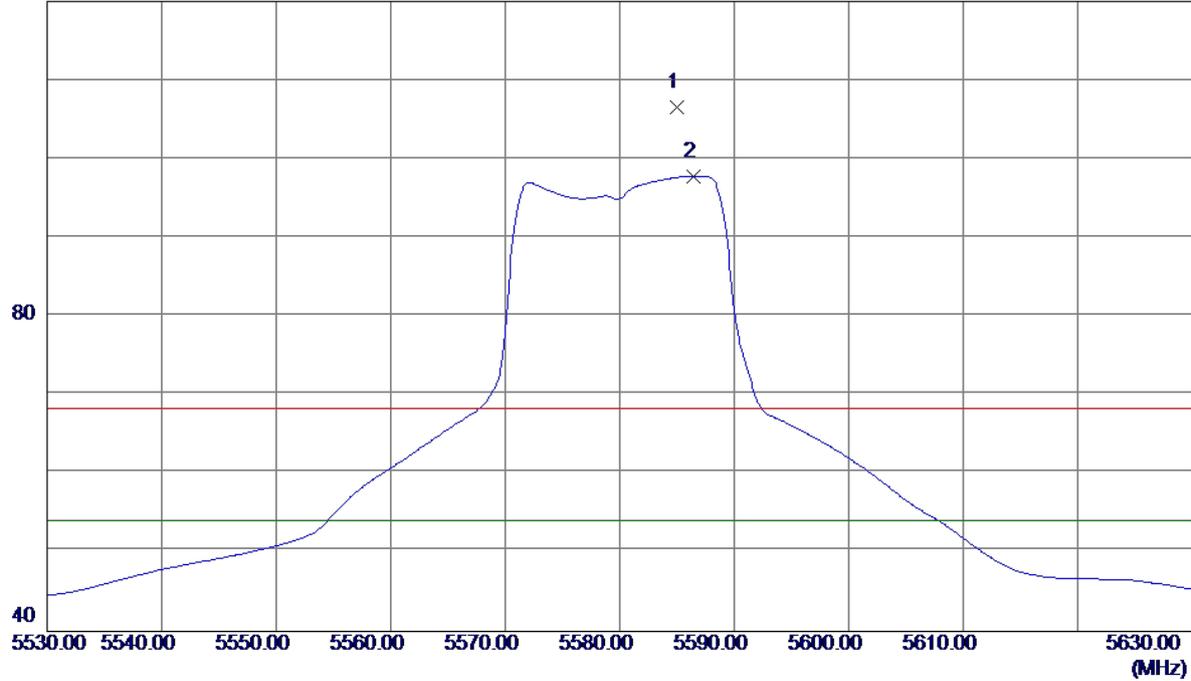


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11000.6900	30.21	15.93	46.14	68.20	-22.06	Peak	
2 *	11000.8700	19.38	15.93	35.31	54.00	-18.69	AVG	

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

Vertical

120 dBuV/m

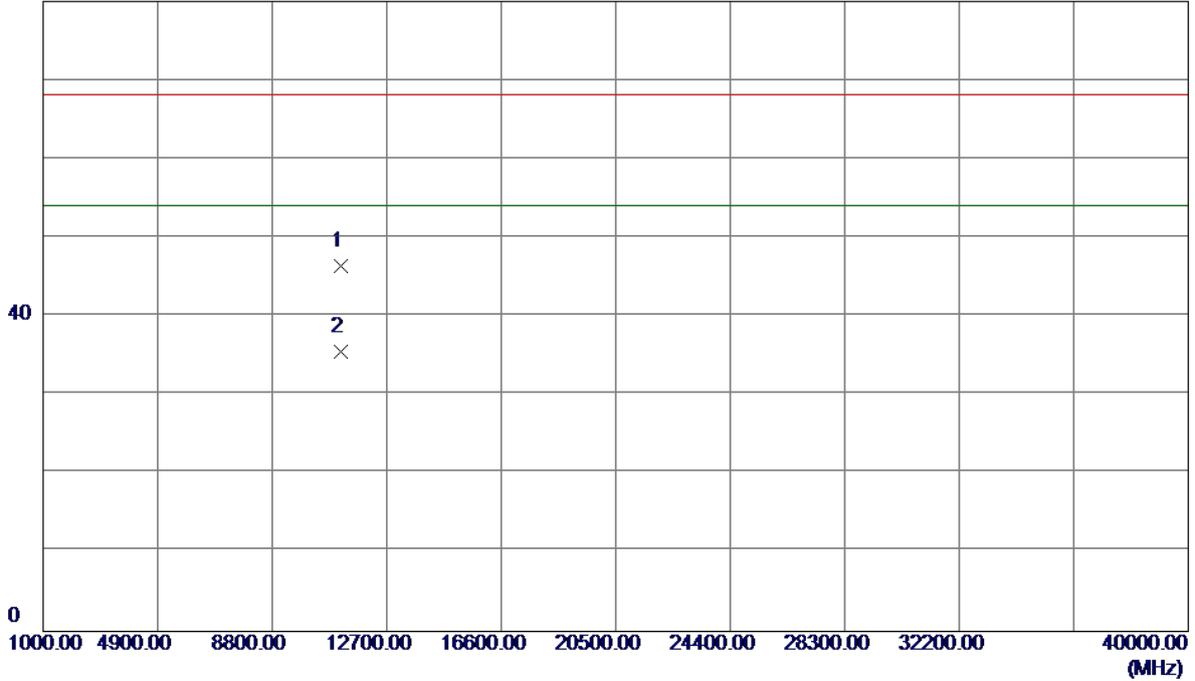


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5585.0000	64.54	42.08	106.62	68.30	38.32	Peak	No Limit
2 *	5586.4000	55.70	42.09	97.79	54.00	43.79	AVG	No Limit

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

Vertical

80 dBuV/m

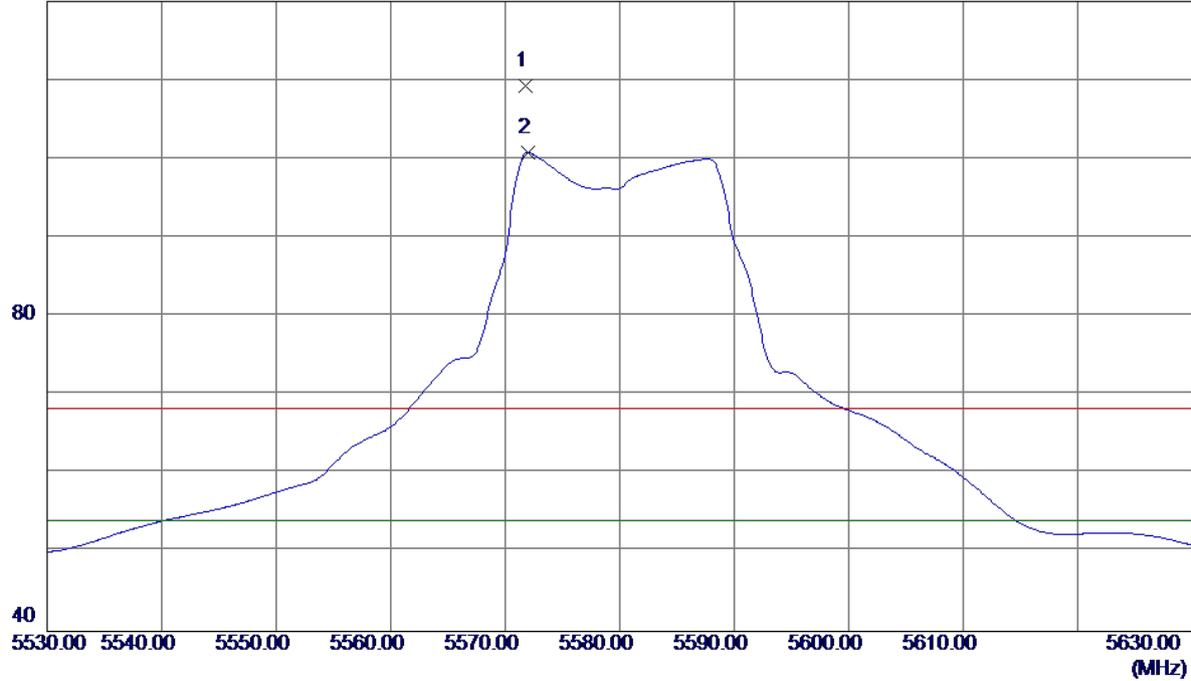


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11159.4900	30.58	15.79	46.37	68.20	-21.83	Peak	
2 *	11160.3600	19.79	15.79	35.58	54.00	-18.42	AVG	

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

Horizontal

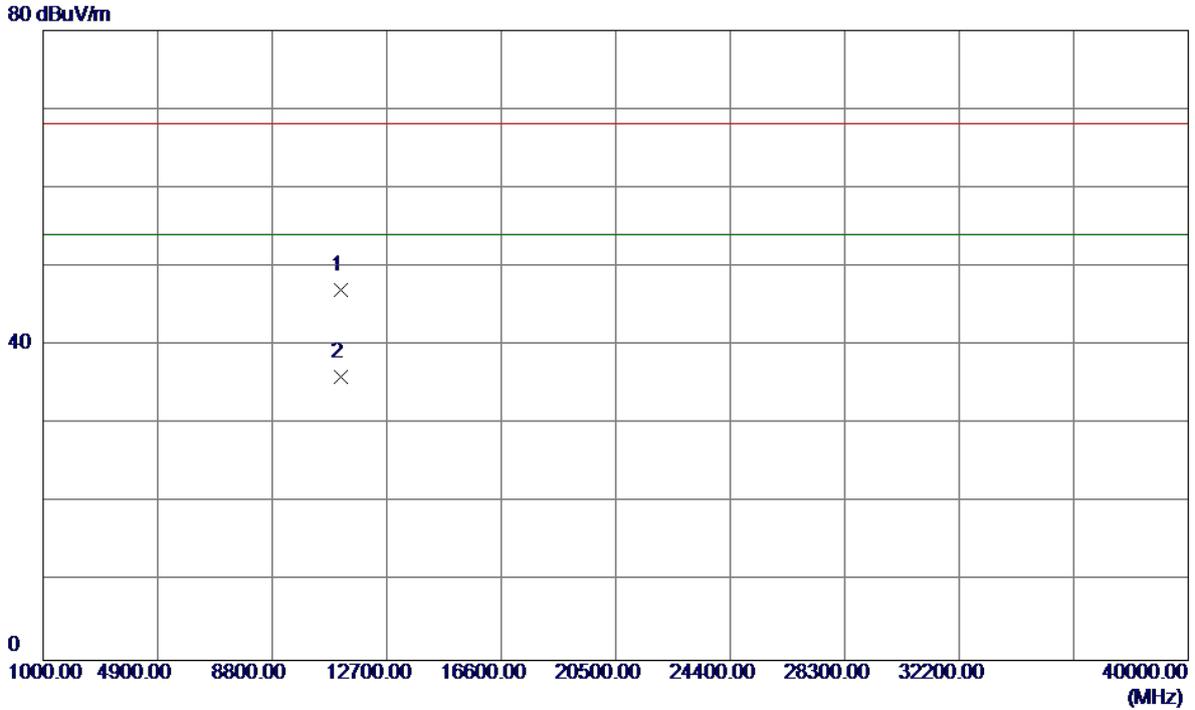
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5571.8000	67.25	42.04	109.29	68.30	40.99	Peak	No Limit
2 *	5572.0000	58.77	42.04	100.81	54.00	46.81	AVG	No Limit

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

Horizontal

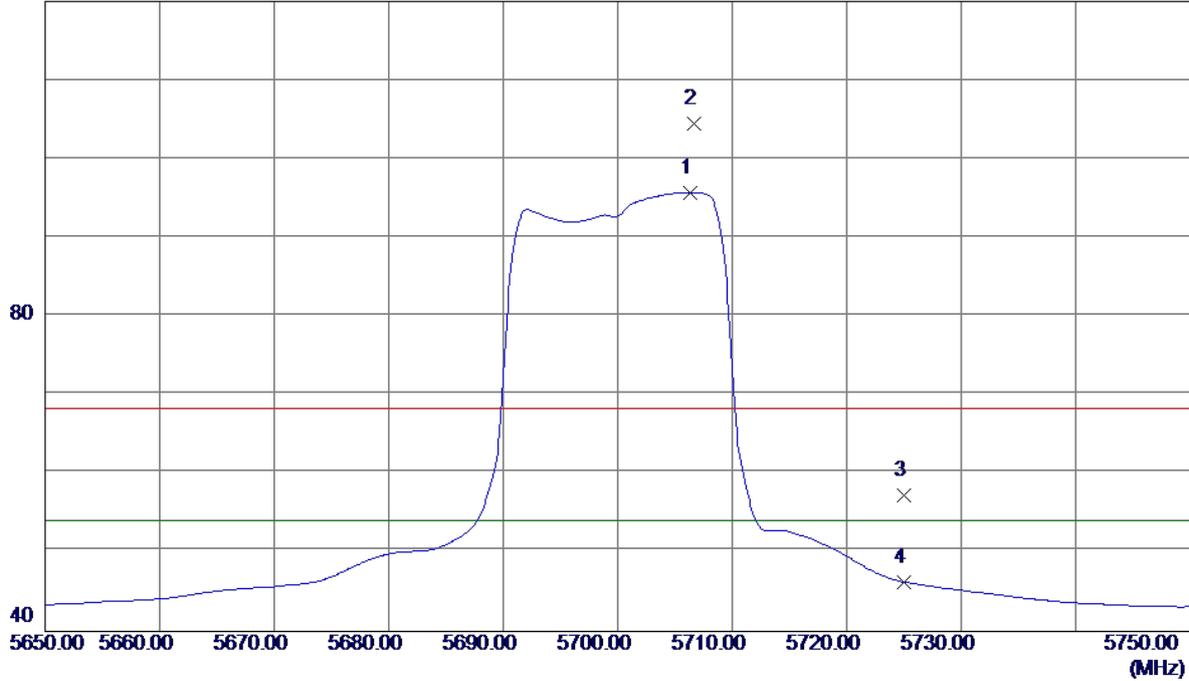


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11160.4700	31.18	15.79	46.97	68.20	-21.23	Peak	
2 *	11161.2600	20.29	15.78	36.07	54.00	-17.93	AVG	

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

Vertical

120 dBuV/m

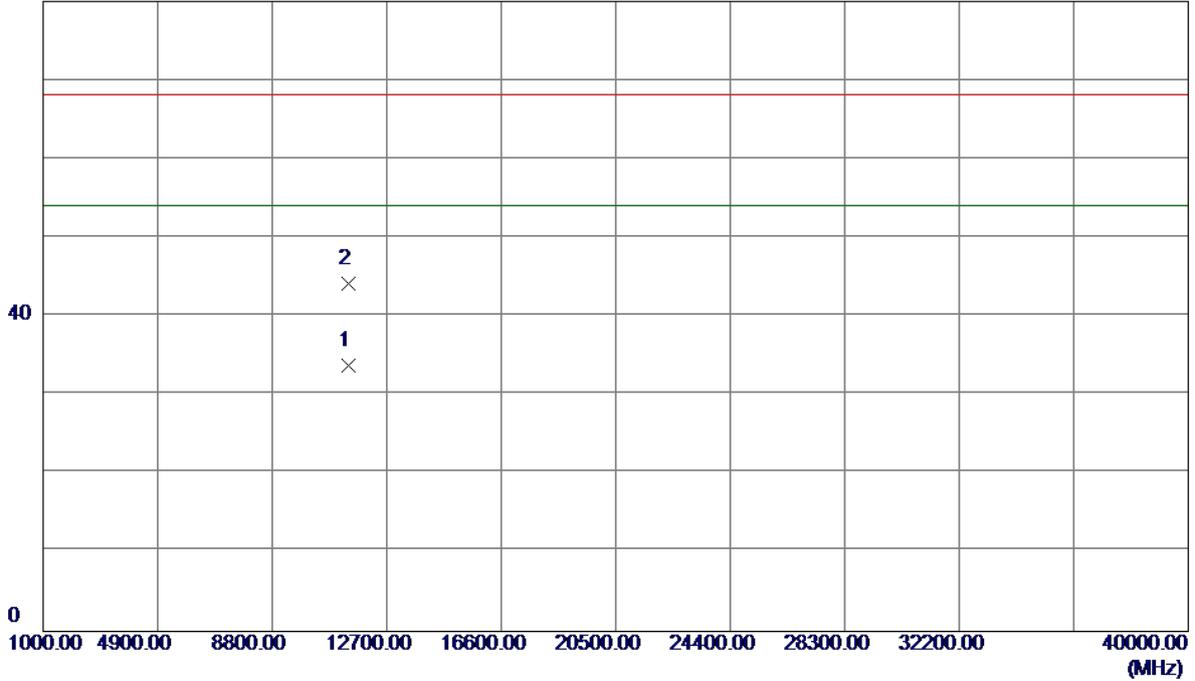


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5706.3000	53.23	42.51	95.74	54.00	41.74	AVG	No Limit
2	5706.7000	61.95	42.52	104.47	68.30	36.17	Peak	No Limit
3	5725.0000	14.67	42.58	57.25	68.30	-11.05	Peak	
4	5725.0000	3.69	42.58	46.27	54.00	-7.73	AVG	

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

Vertical

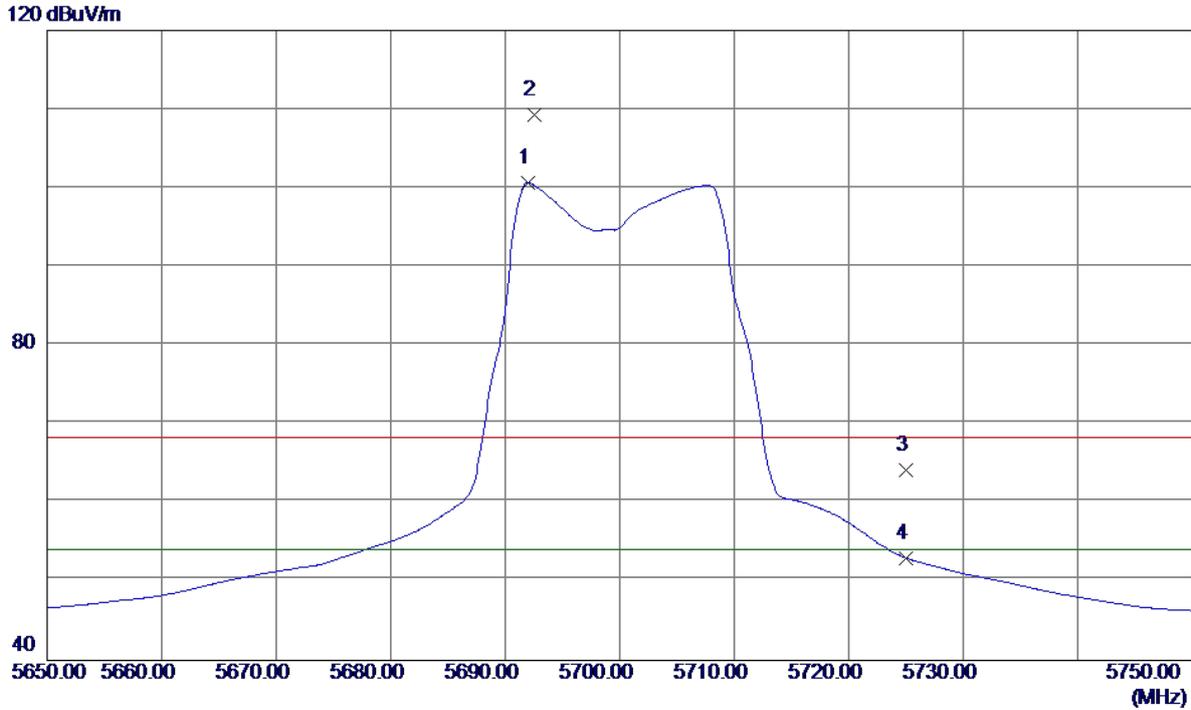
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11400.2100	18.18	15.57	33.75	54.00	-20.25	AVG	
2	11400.3500	28.61	15.57	44.18	68.20	-24.02	Peak	

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

Horizontal

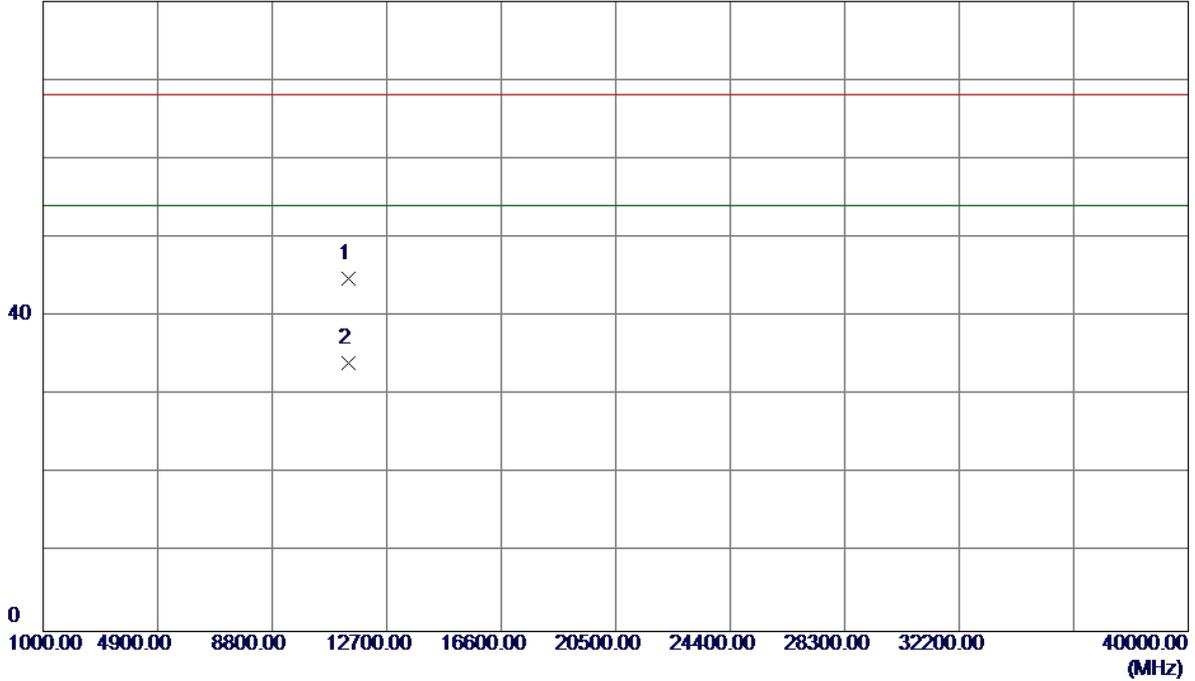


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5692.0000	58.20	42.46	100.66	54.00	46.66	AVG	No Limit
2	5692.5000	66.80	42.47	109.27	68.30	40.97	Peak	No Limit
3	5725.0000	21.51	42.58	64.09	68.30	-4.21	Peak	
4	5725.0000	10.42	42.58	53.00	54.00	-1.00	AVG	

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

Horizontal

80 dBuV/m

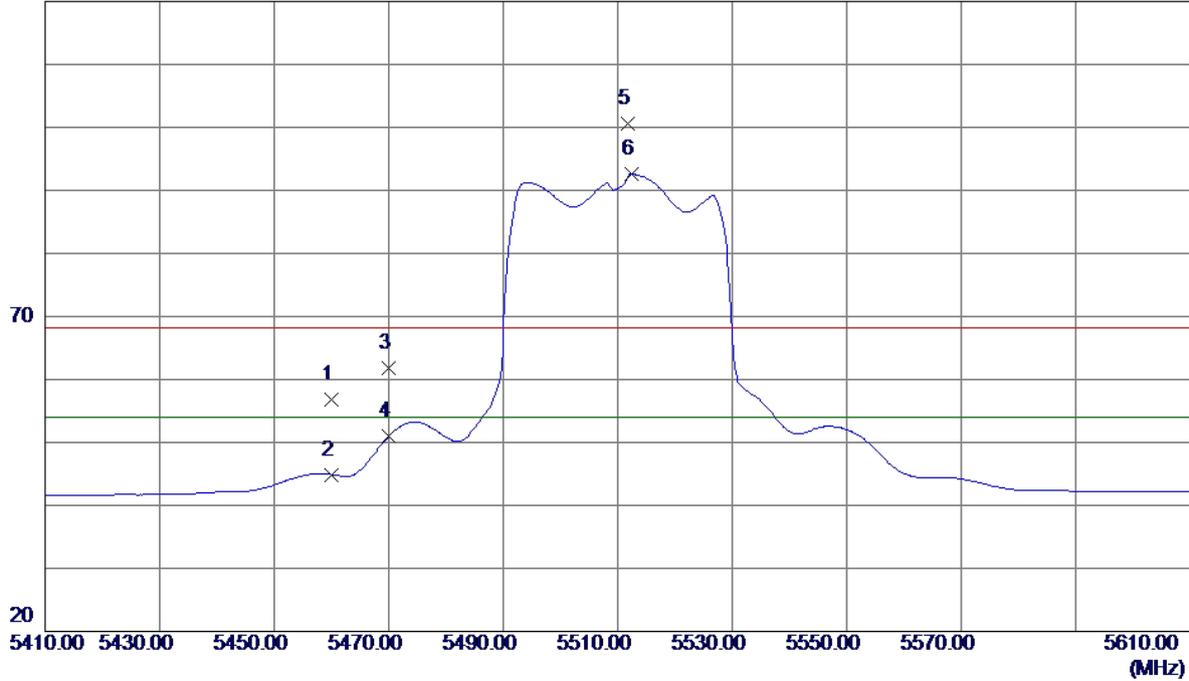


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11400.5500	29.17	15.57	44.74	68.20	-23.46	Peak	
2 *	11400.9000	18.52	15.57	34.09	54.00	-19.91	AVG	

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

Vertical

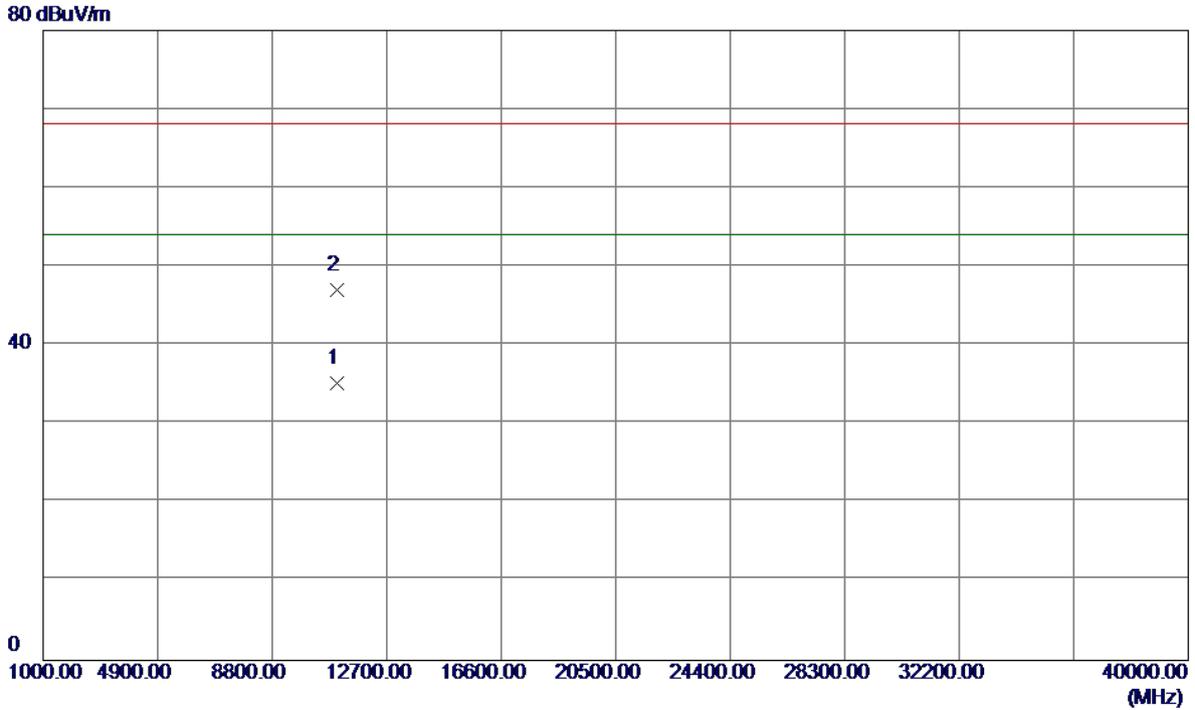
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	15.16	41.65	56.81	68.20	-11.39	Peak	
2	5460.0000	3.24	41.65	44.89	54.00	-9.11	AVG	
3	5470.0000	20.03	41.68	61.71	68.20	-6.49	Peak	
4	5470.0000	9.39	41.68	51.07	54.00	-2.93	AVG	
5	5511.7000	58.87	41.82	100.69	68.20	32.49	Peak	NO LIMIT
6 *	5512.5000	50.74	41.82	92.56	54.00	38.56	AVG	NO LIMIT

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

Vertical

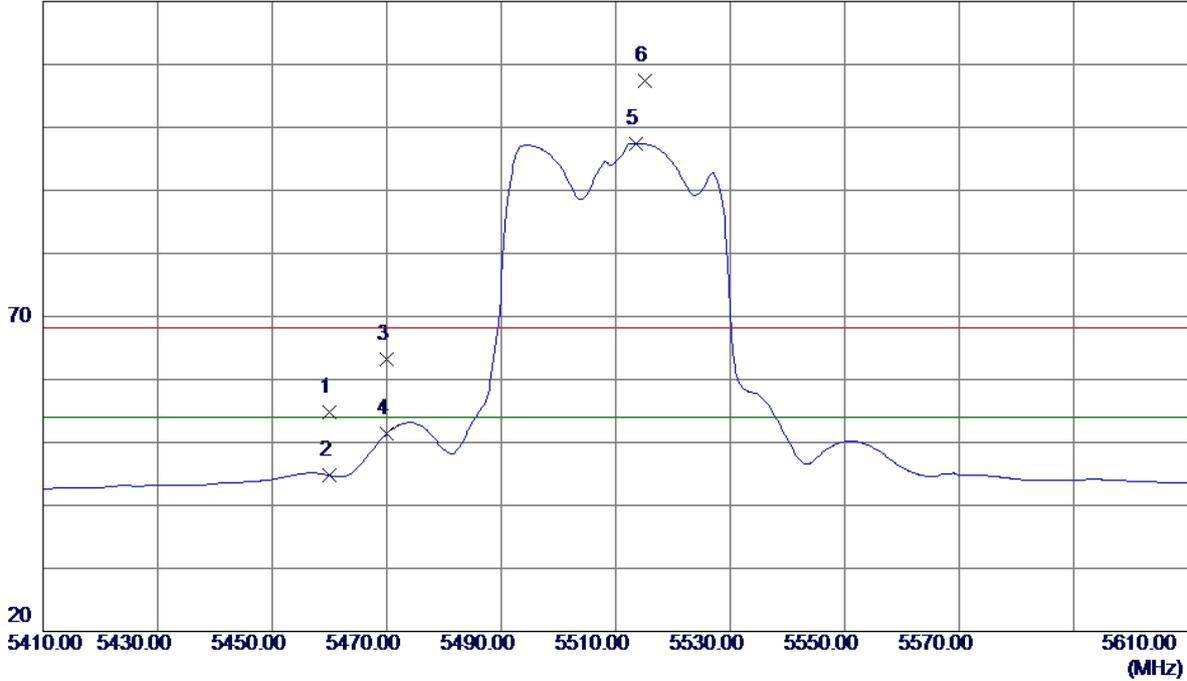


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11019.0500	19.31	15.91	35.22	54.00	-18.78	AVG	
2	11017.6000	31.16	15.91	47.07	68.20	-21.13	Peak	

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

Horizontal

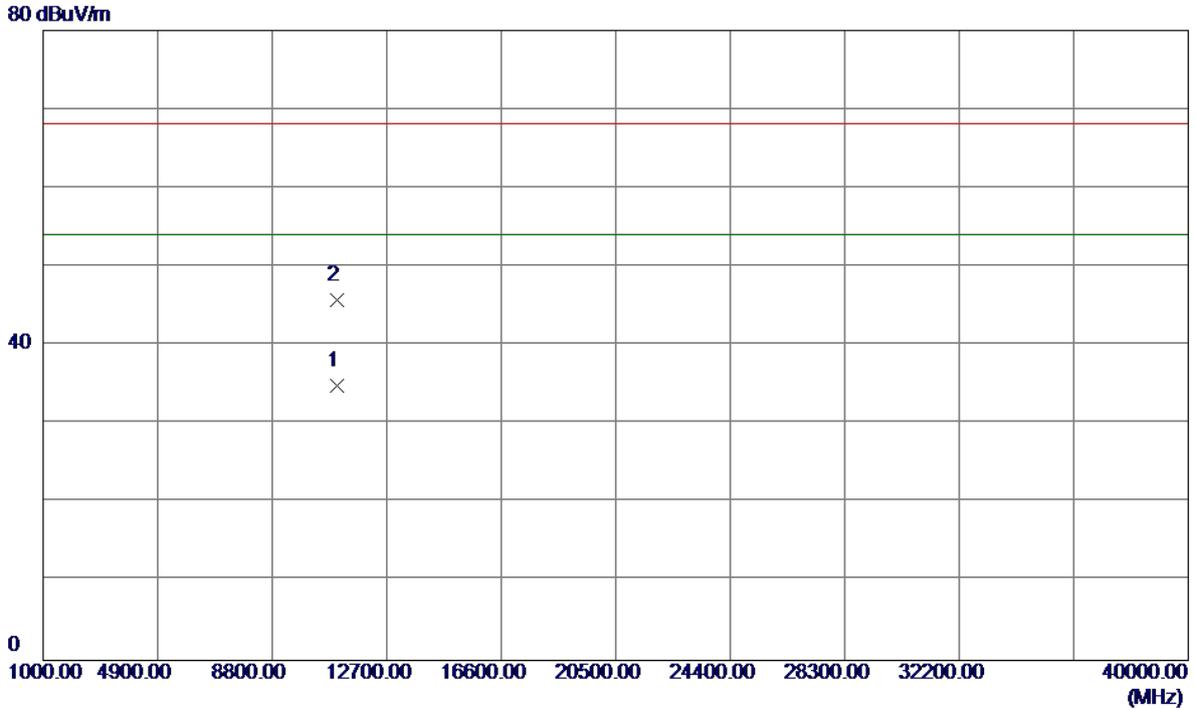
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	13.11	41.65	54.76	68.20	-13.44	Peak	
2	5460.0000	3.12	41.65	44.77	54.00	-9.23	AVG	
3	5470.0000	21.58	41.68	63.26	68.20	-4.94	Peak	
4	5470.0000	9.74	41.68	51.42	54.00	-2.58	AVG	
5 *	5513.6000	55.64	41.83	97.47	54.00	43.47	AVG	NO LIMIT
6	5515.1000	65.48	41.83	107.31	68.20	39.11	Peak	NO LIMIT

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

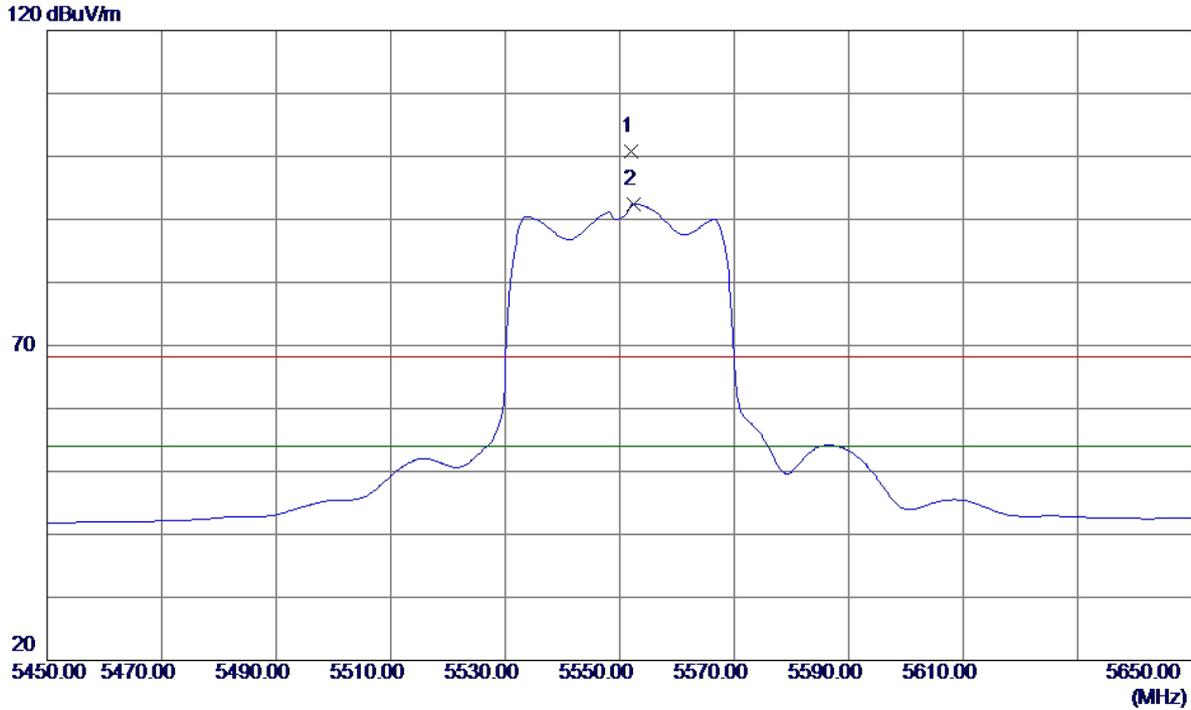
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11021.0000	19.04	15.91	34.95	54.00	-19.05	AVG	
2	11021.4500	29.86	15.91	45.77	68.20	-22.43	Peak	

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

Vertical

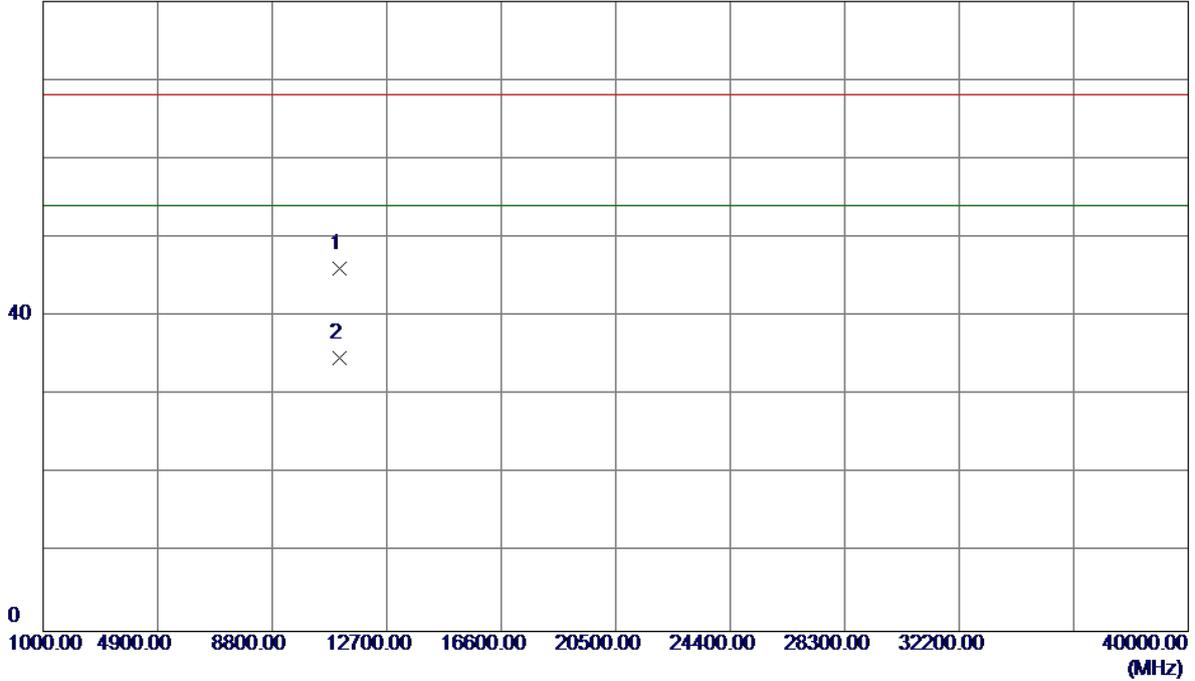


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5551.9000	58.83	41.96	100.79	68.20	32.59	Peak	NO LIMIT
2 *	5552.5000	50.49	41.97	92.46	54.00	38.46	AVG	NO LIMIT

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

Vertical

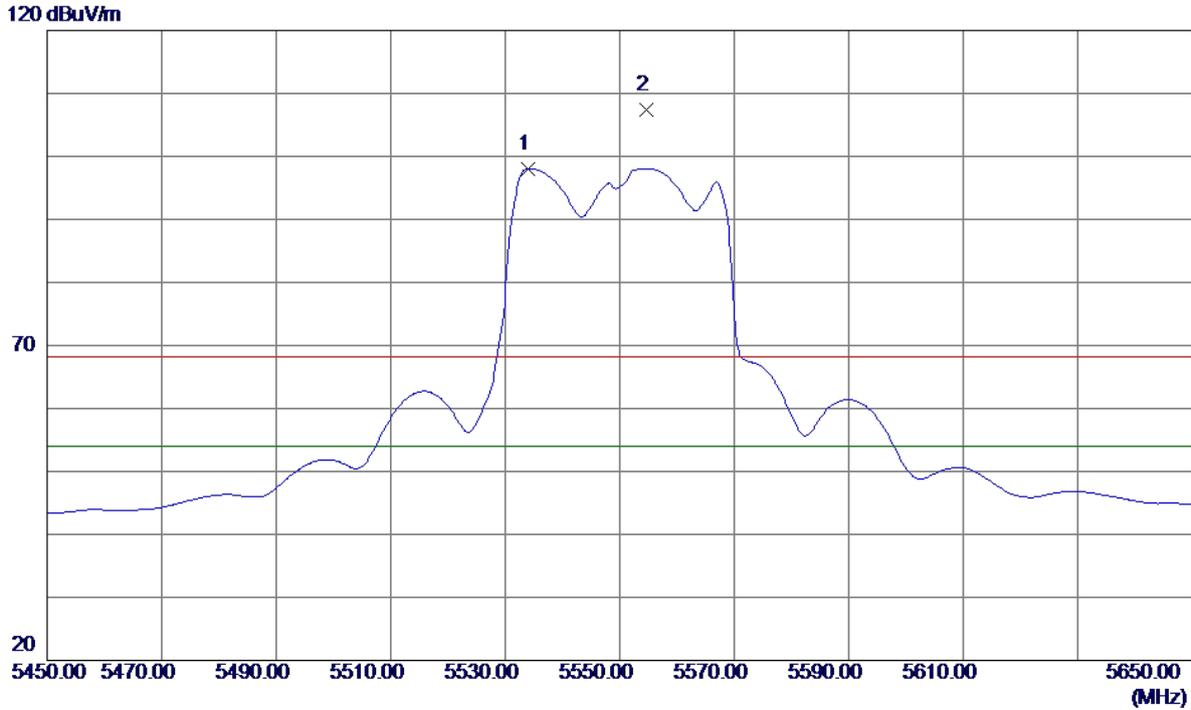
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11100.8500	30.27	15.84	46.11	68.20	-22.09	Peak	
2 *	11100.3500	18.95	15.84	34.79	54.00	-19.21	AVG	

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

Horizontal

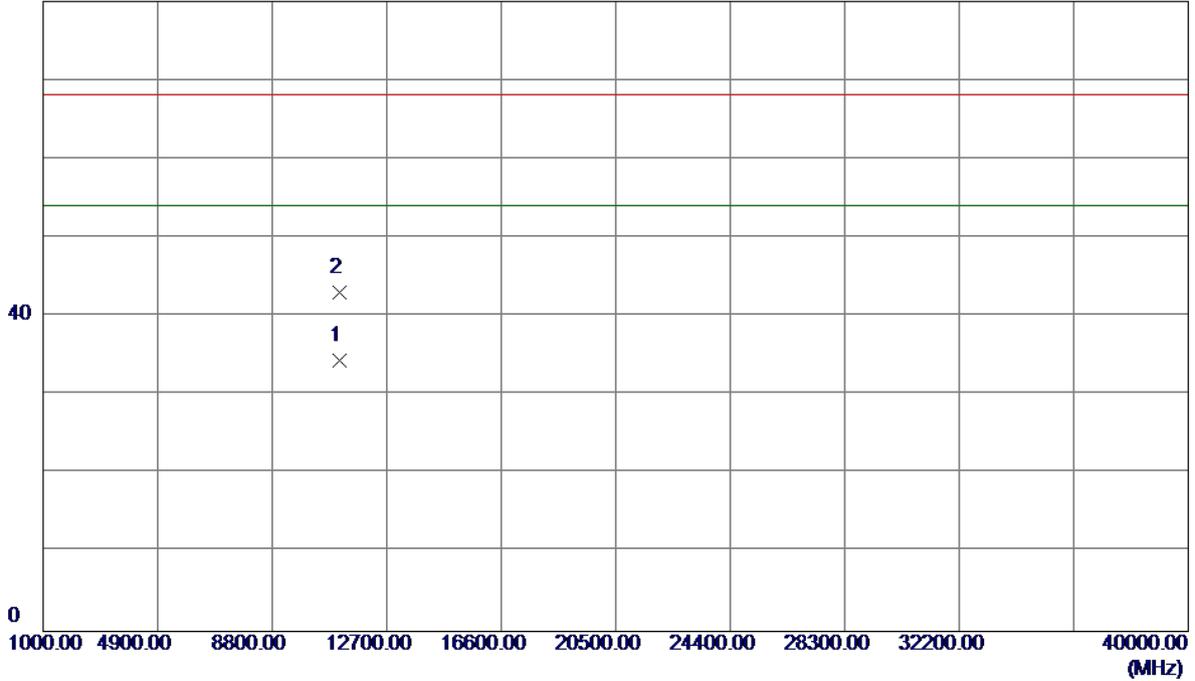


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5534.1000	56.16	41.90	98.06	54.00	44.06	AVG	NO LIMIT
2	5554.7000	65.44	41.97	107.41	68.20	39.21	Peak	NO LIMIT

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

Horizontal

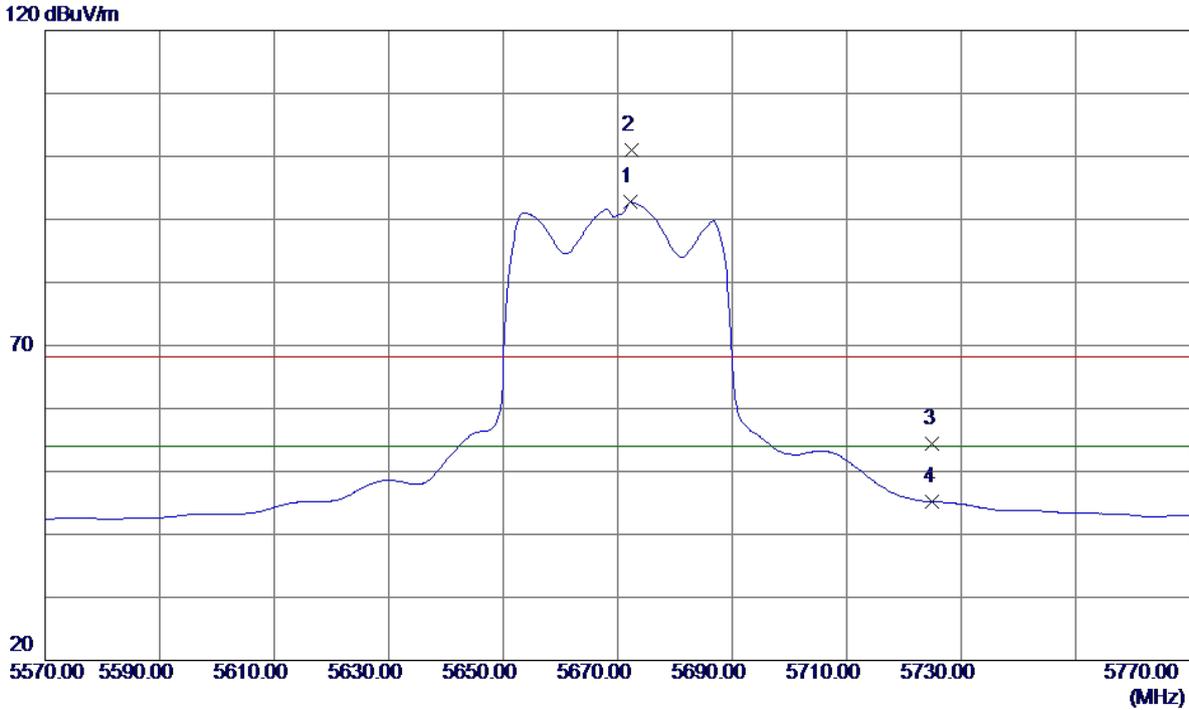
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11100.8000	18.54	15.84	34.38	54.00	-19.62	AVG	
2	11100.0000	27.24	15.84	43.08	68.20	-25.12	Peak	

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

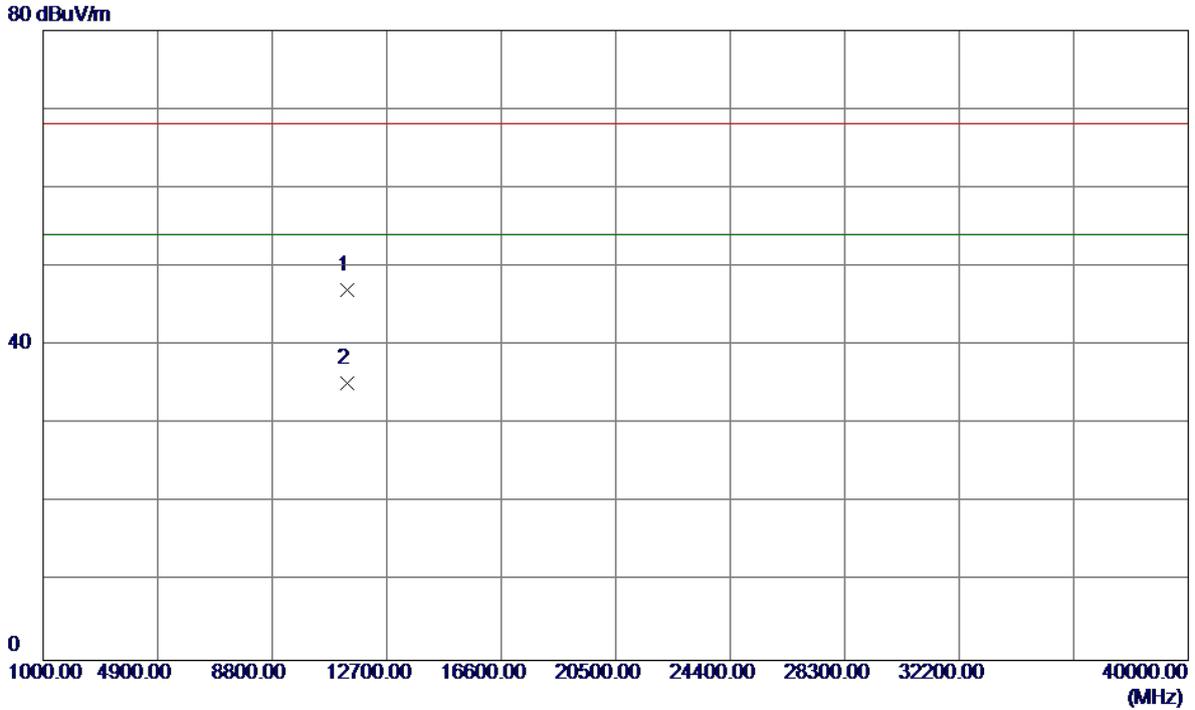
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5672.3000	50.32	42.39	92.71	54.00	38.71	AVG	NO LIMIT
2	5672.5000	58.63	42.39	101.02	68.20	32.82	Peak	NO LIMIT
3	5725.0000	11.76	42.58	54.34	68.20	-13.86	Peak	
4	5725.0000	2.61	42.58	45.19	54.00	-8.81	AVG	

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

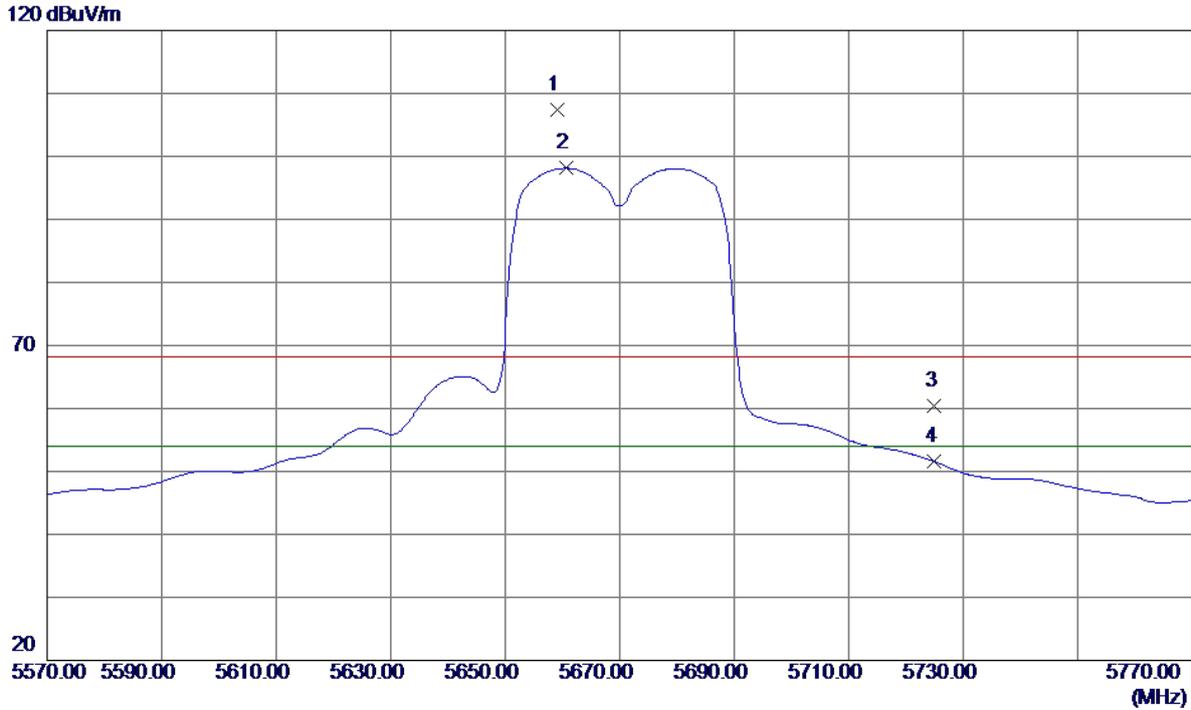
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11339.6000	31.45	15.62	47.07	68.20	-21.13	Peak	
2 *	11340.0500	19.60	15.62	35.22	54.00	-18.78	AVG	

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

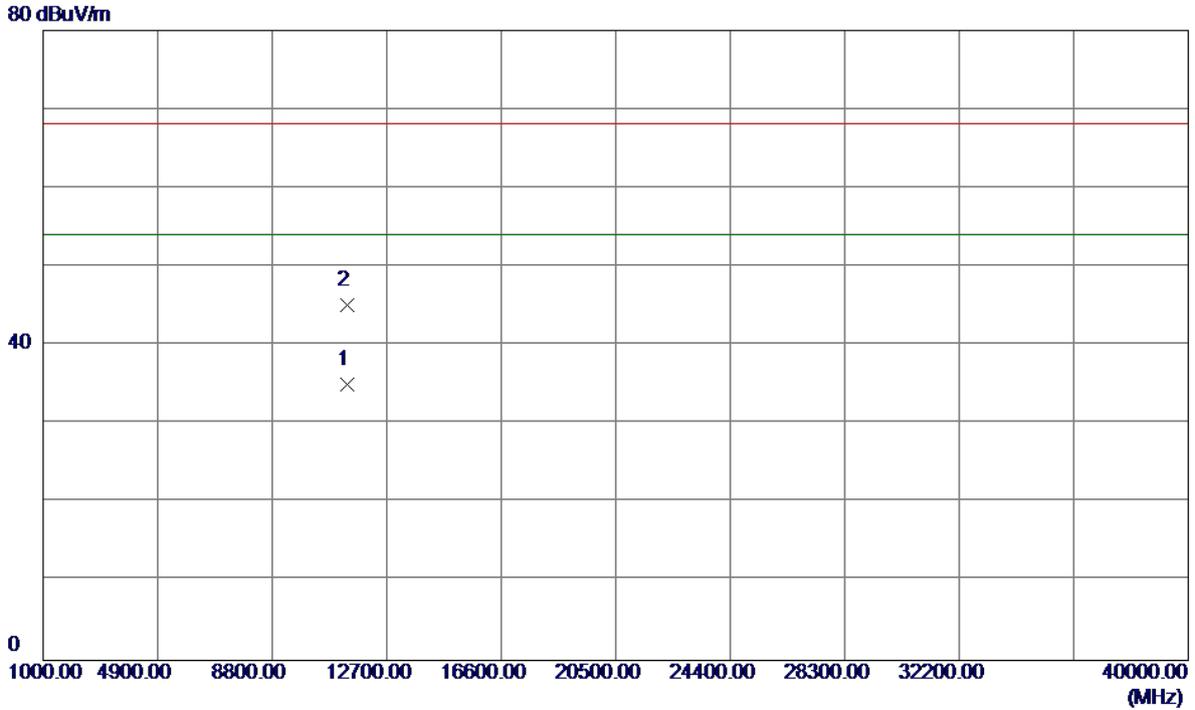
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5659.1000	65.07	42.35	107.42	68.20	39.22	Peak	NO LIMIT
2 *	5660.6000	55.77	42.35	98.12	54.00	44.12	AVG	NO LIMIT
3	5725.0000	17.73	42.58	60.31	68.20	-7.89	Peak	
4	5725.0000	8.96	42.58	51.54	54.00	-2.46	AVG	

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

Horizontal

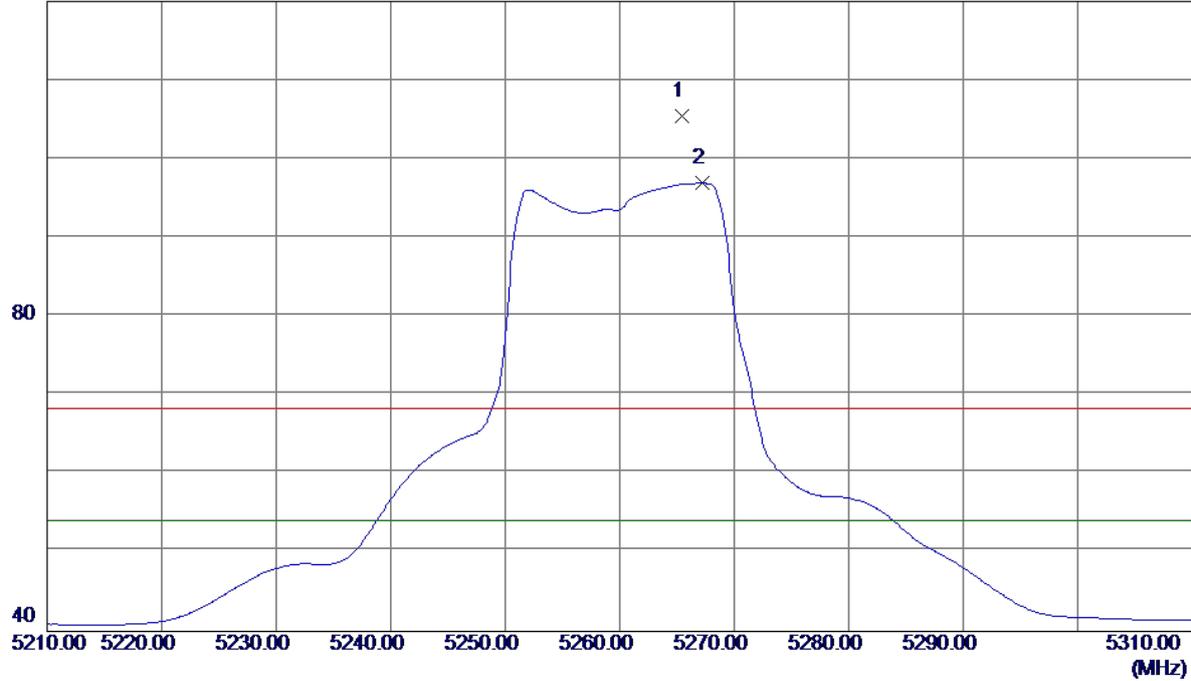


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11340.2000	19.43	15.62	35.05	54.00	-18.95	AVG	
2	11340.9500	29.45	15.62	45.07	68.20	-23.13	Peak	

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

Vertical

120 dBuV/m

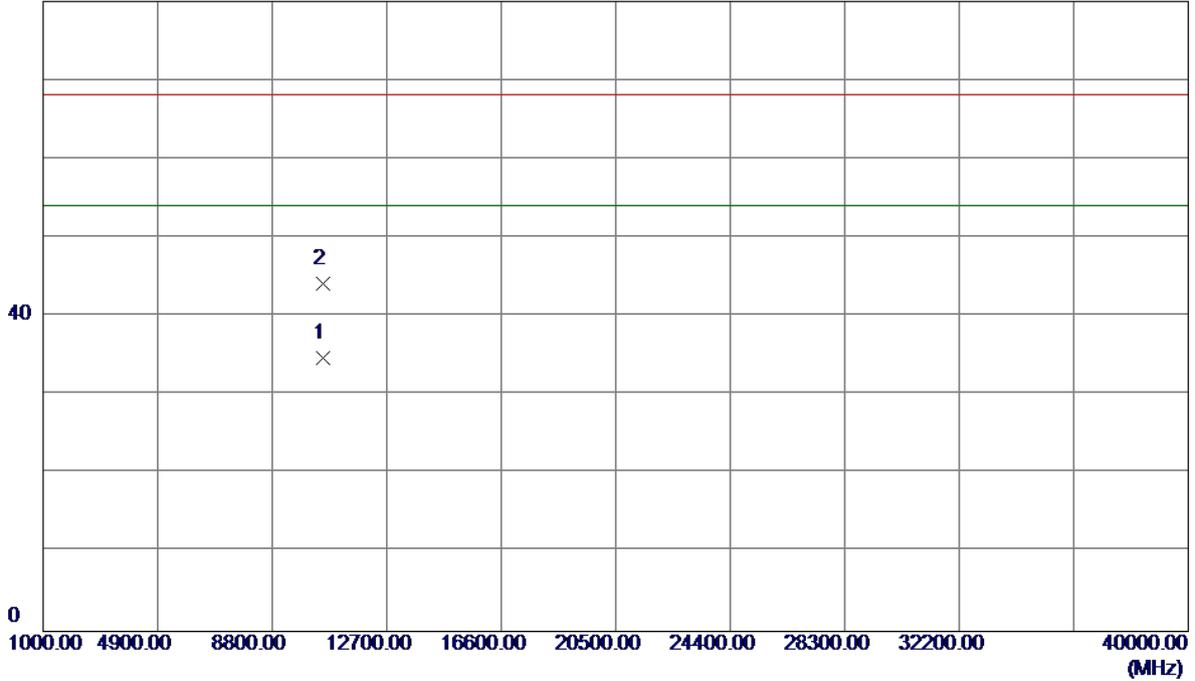


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5265.4000	64.46	41.01	105.47	68.30	37.17	Peak	No Limit
2 *	5267.2000	55.88	41.01	96.89	54.00	42.89	AVG	No Limit

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

Vertical

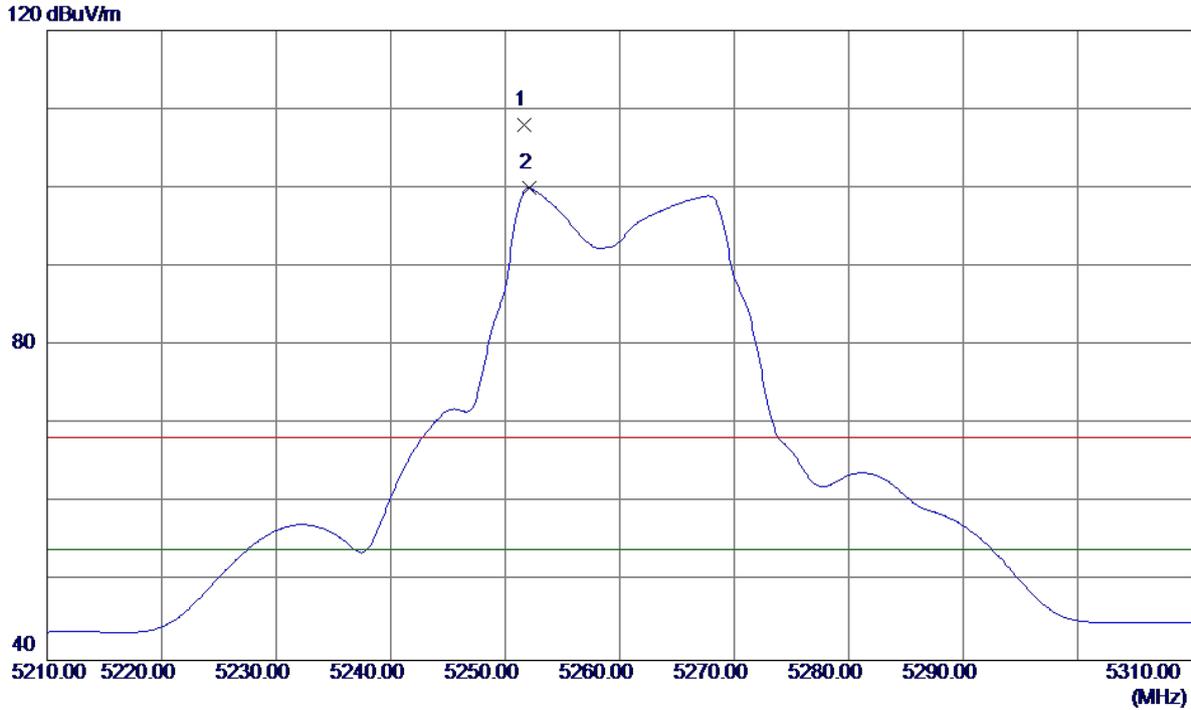
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10520.2400	19.43	15.32	34.75	54.00	-19.25	AVG	
2	10520.3200	28.87	15.32	44.19	68.20	-24.01	Peak	

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

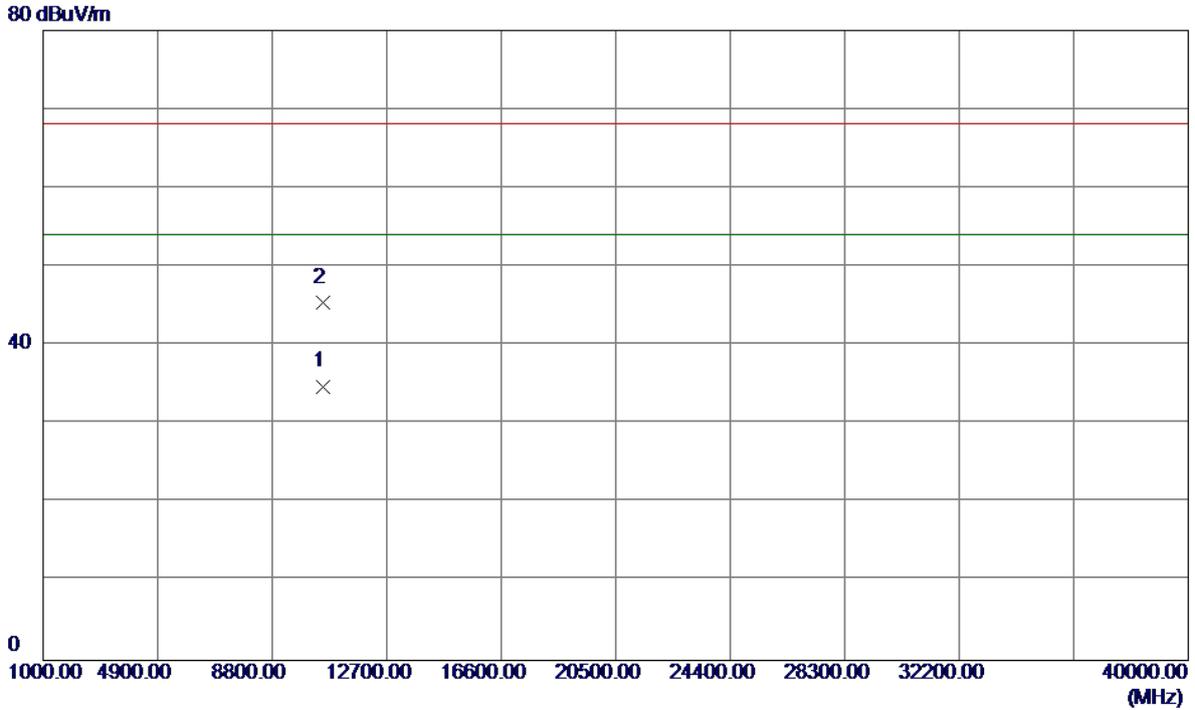
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5251.7000	67.08	40.96	108.04	68.30	39.74	Peak	No Limit
2 *	5252.1000	59.01	40.96	99.97	54.00	45.97	AVG	No Limit

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

Horizontal

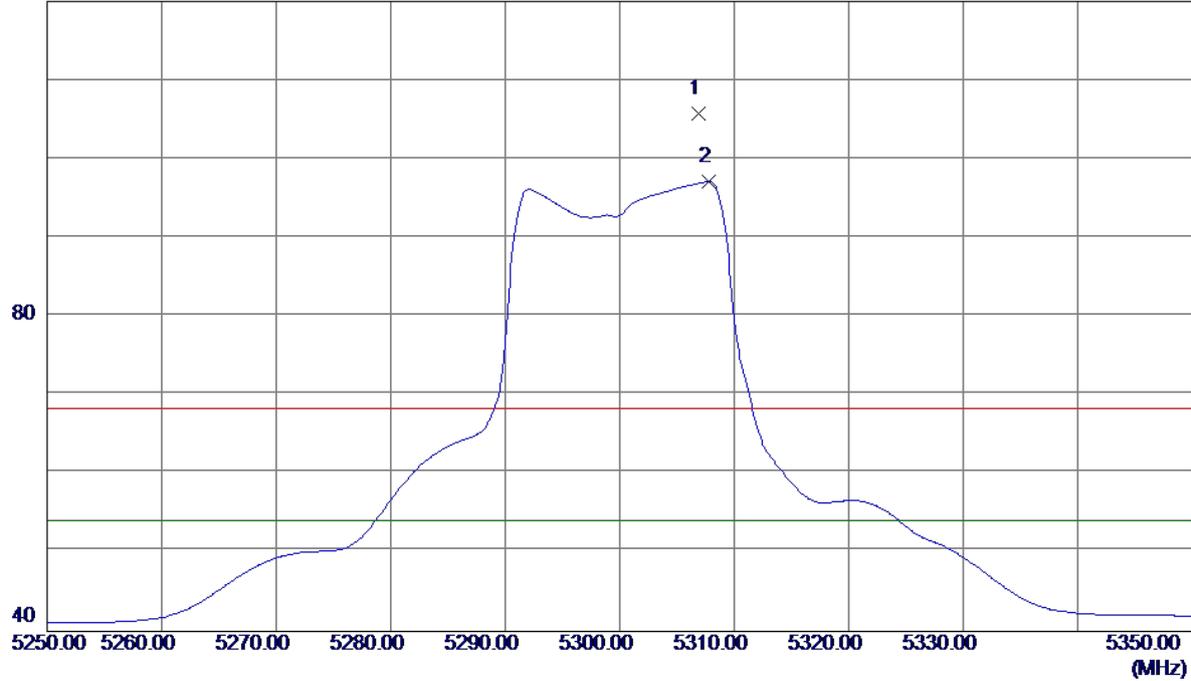


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10521.3500	19.48	15.32	34.80	54.00	-19.20	AVG	
2	10521.1170	30.12	15.32	45.44	68.20	-22.76	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5300MHz

Vertical

120 dBuV/m

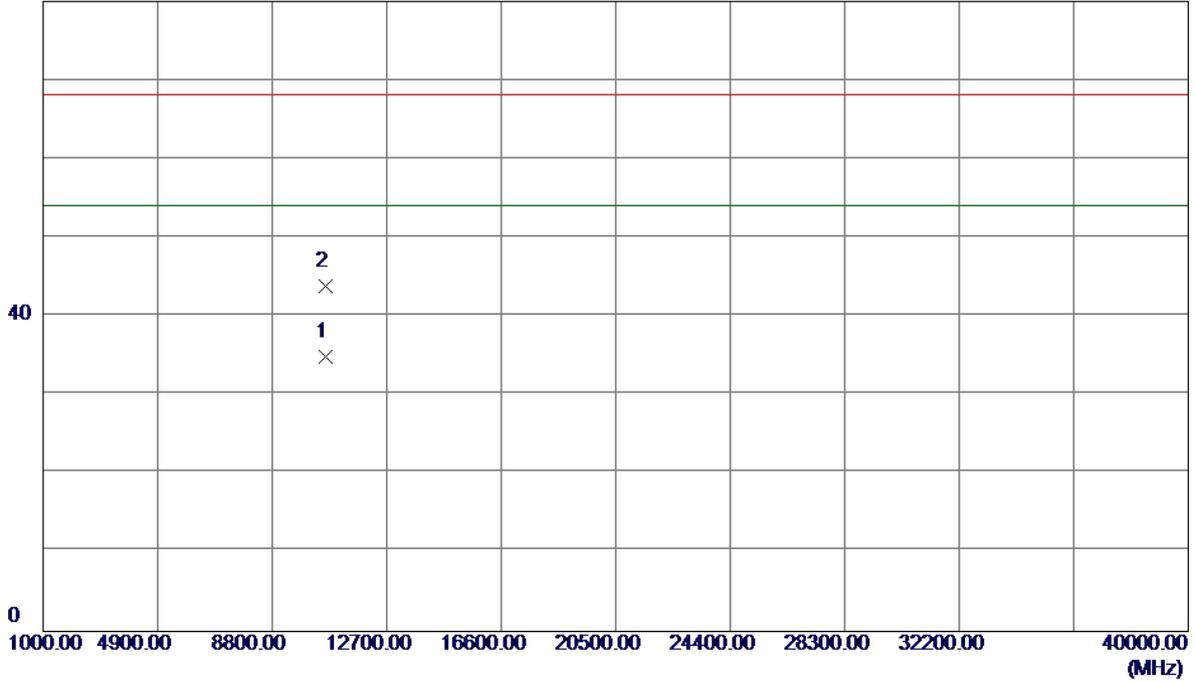


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5306.9000	64.58	41.14	105.72	68.30	37.42	Peak	No Limit
2 *	5307.8000	55.95	41.15	97.10	54.00	43.10	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5300MHz

Vertical

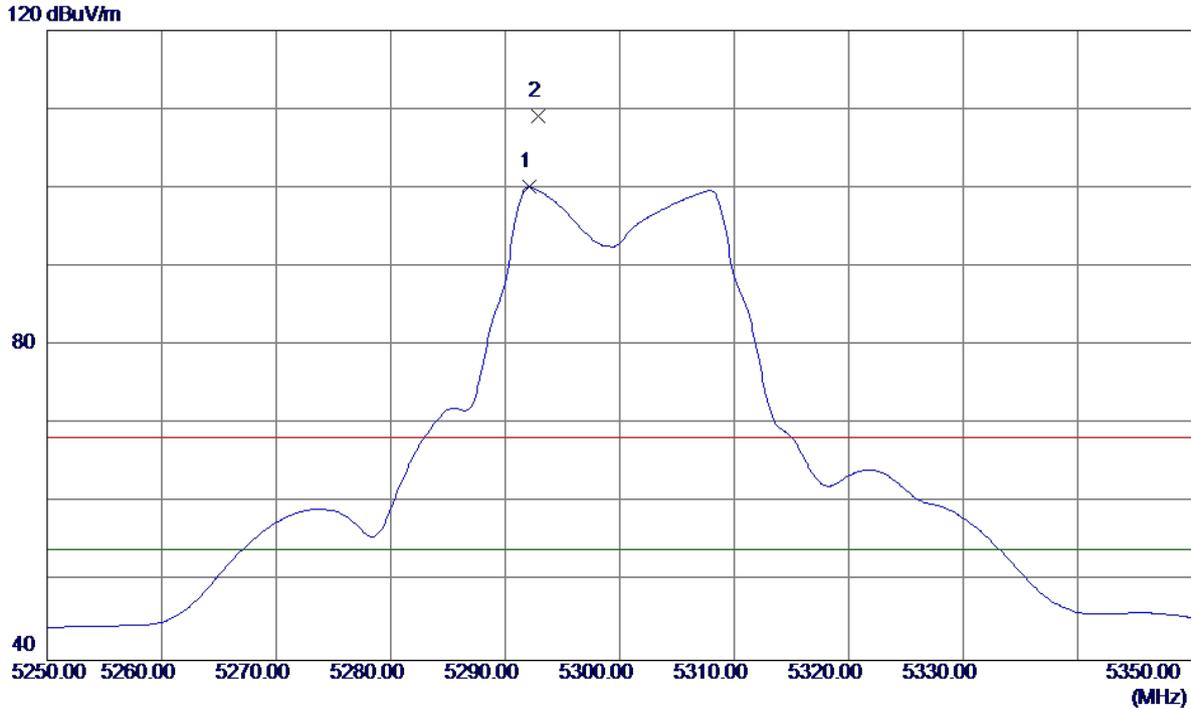
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10599.4600	19.47	15.42	34.89	54.00	-19.11	AVG	
2	10600.3500	28.40	15.42	43.82	68.20	-24.38	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5300MHz

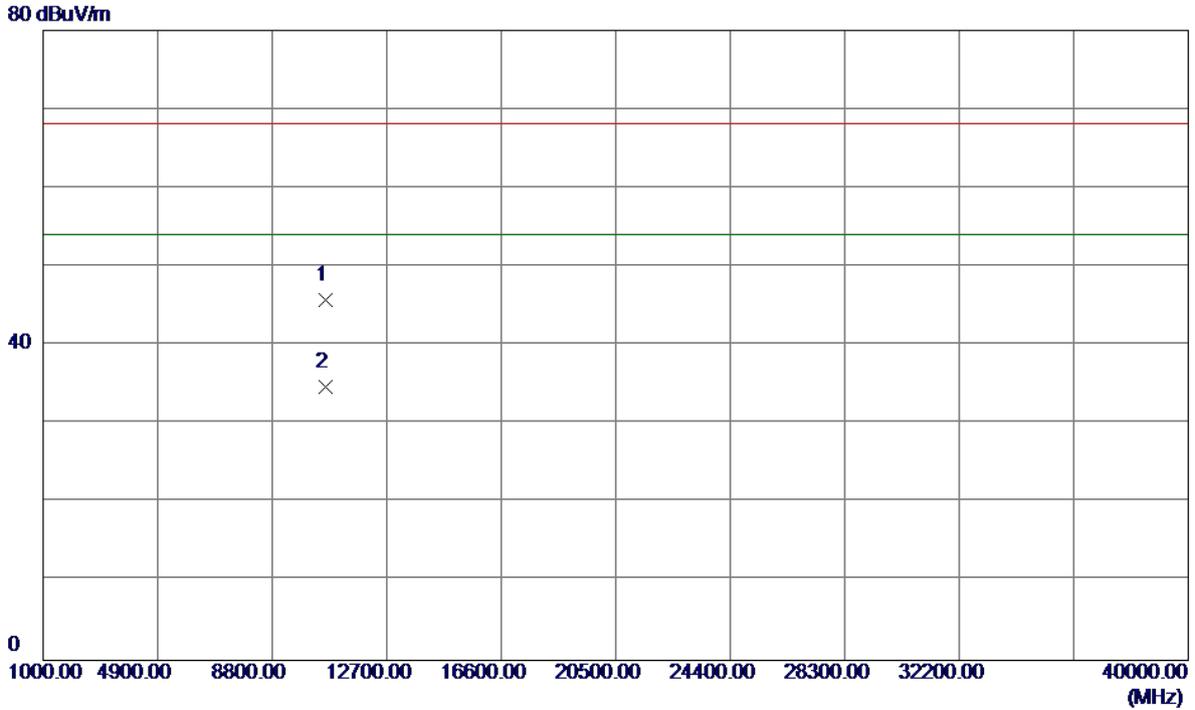
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5292.1000	59.03	41.09	100.12	54.00	46.12	AVG	No Limit
2	5292.9000	67.99	41.10	109.09	68.30	40.79	Peak	No Limit

Orthogonal Axis :	X
Test Mode :	UNII-2A/ TX AC20 Mode 5300MHz

Horizontal

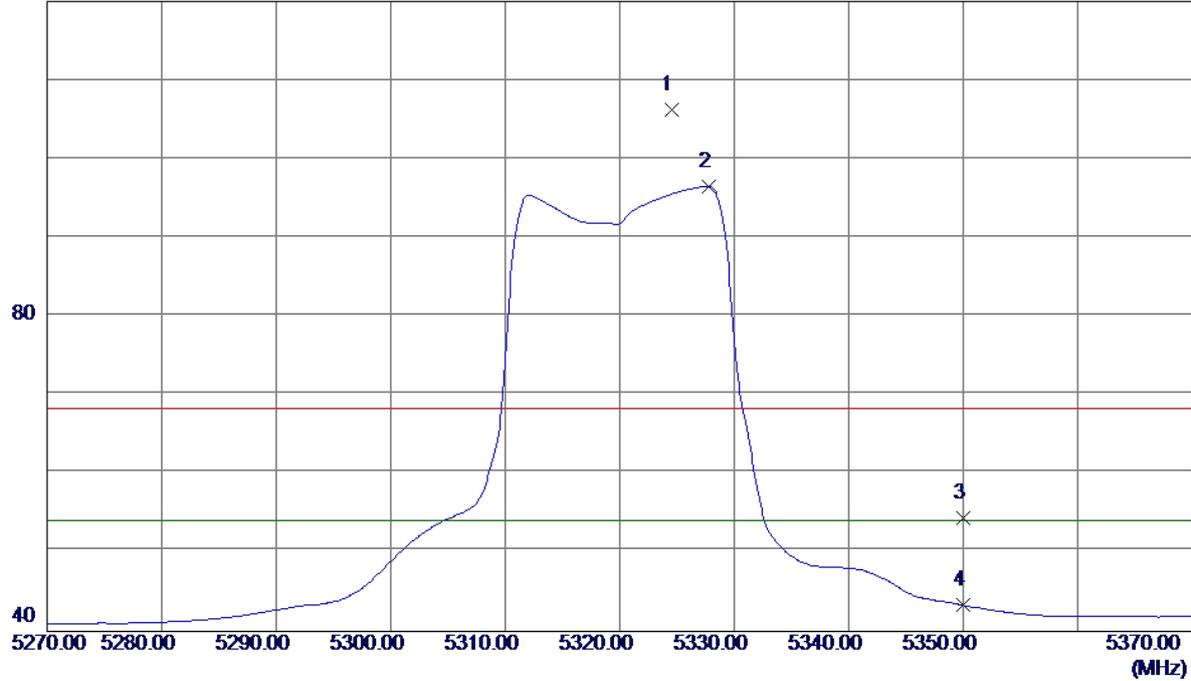


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10600.5700	30.36	15.42	45.78	68.20	-22.42	Peak	
2 *	10601.1600	19.27	15.42	34.69	54.00	-19.31	AVG	

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

Vertical

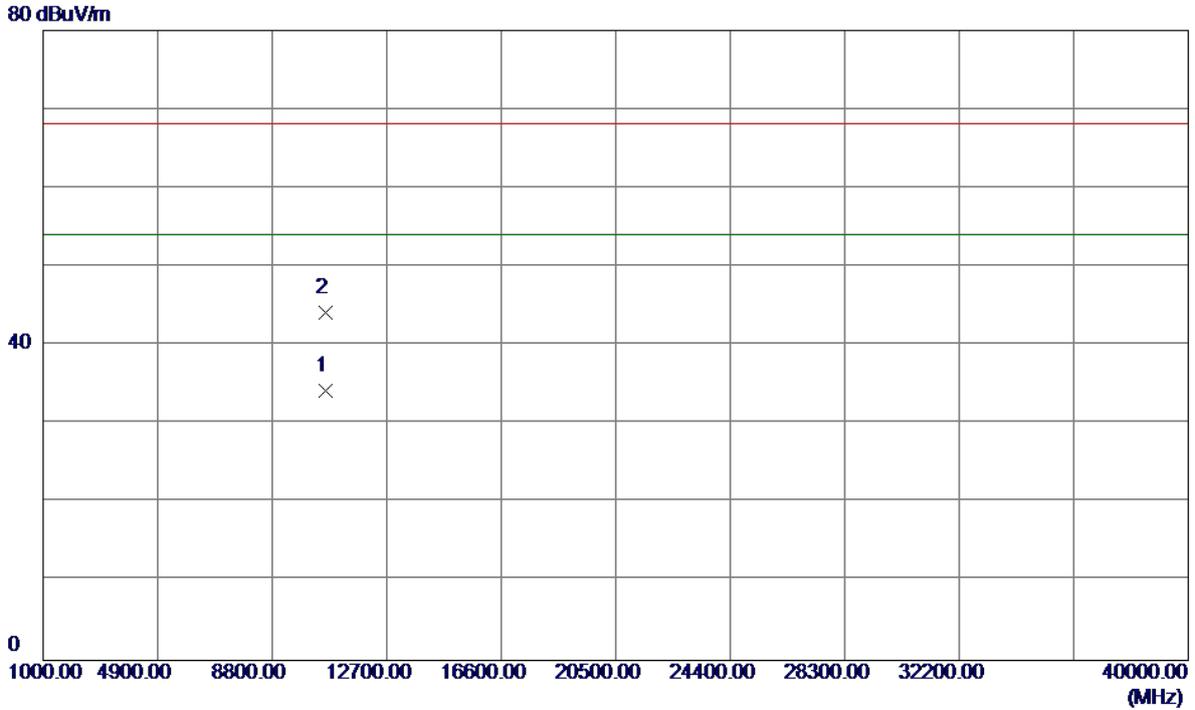
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5324.5000	65.05	41.20	106.25	68.30	37.95	Peak	No Limit
2 *	5327.8000	55.30	41.21	96.51	54.00	42.51	AVG	No Limit
3	5350.0000	13.15	41.28	54.43	68.30	-13.87	Peak	
4	5350.0000	2.02	41.28	43.30	54.00	-10.70	AVG	

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

Vertical

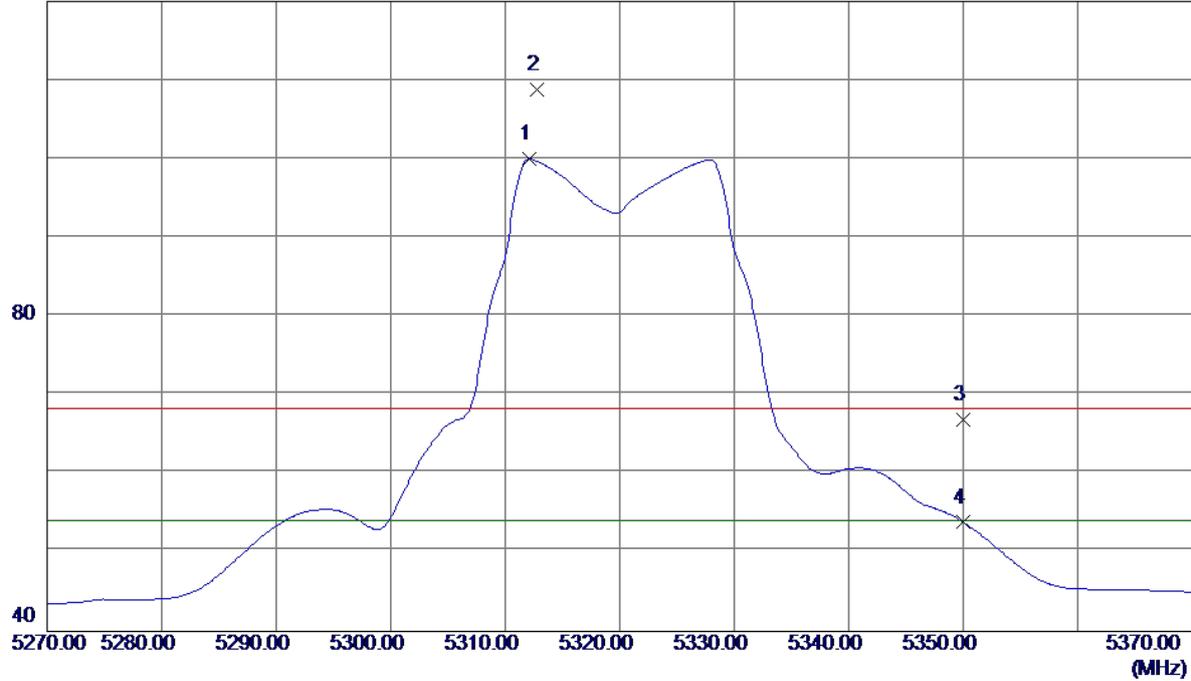


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10640.2100	18.78	15.47	34.25	54.00	-19.75	AVG	
2	10640.4300	28.63	15.47	44.10	68.20	-24.10	Peak	

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

Horizontal

120 dBuV/m

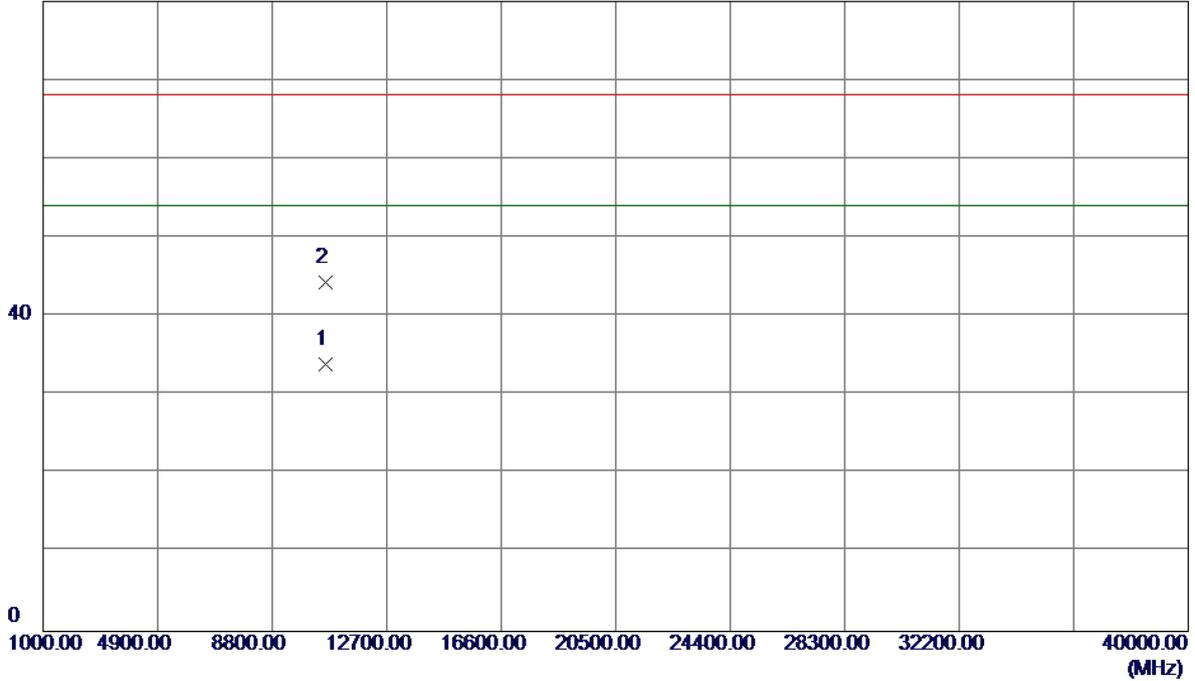


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5312.1000	58.80	41.16	99.96	54.00	45.96	AVG	No Limit
2	5312.8000	67.69	41.16	108.85	68.30	40.55	Peak	No Limit
3	5350.0000	25.68	41.28	66.96	68.30	-1.34	Peak	
4	5350.0000	12.56	41.28	53.84	54.00	-0.16	AVG	

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

Horizontal

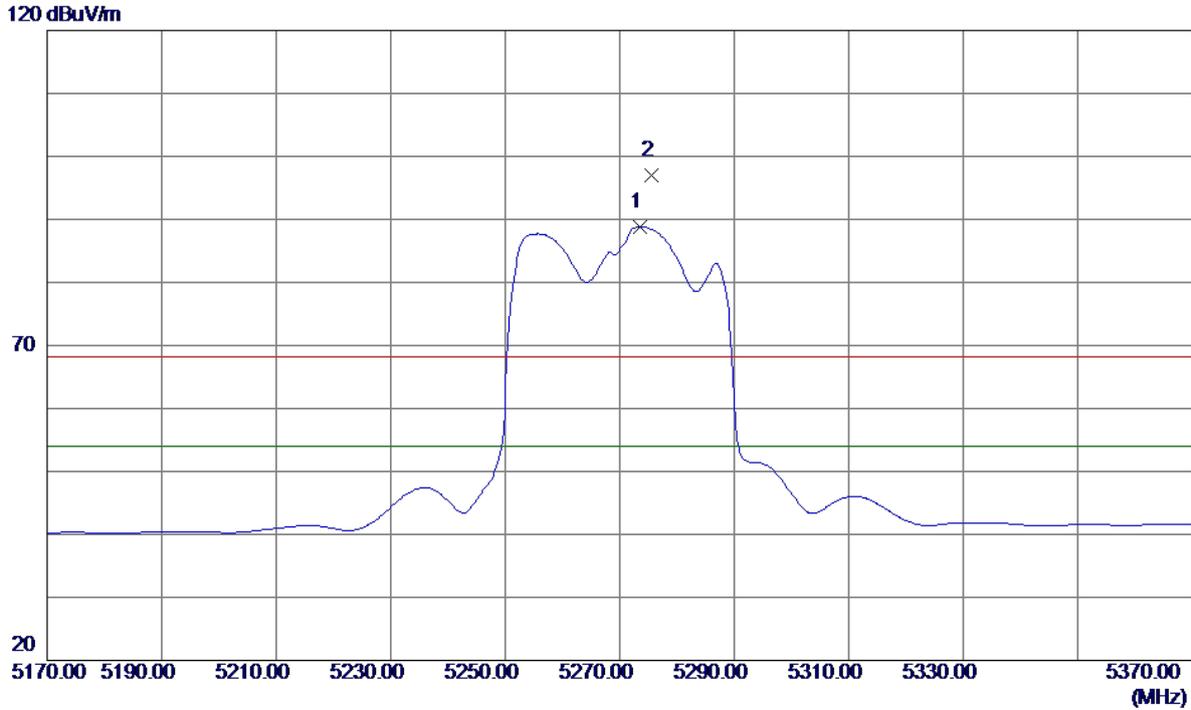
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10640.7200	18.52	15.47	33.99	54.00	-20.01	AVG	
2	10641.3500	28.87	15.47	44.34	68.20	-23.86	Peak	

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

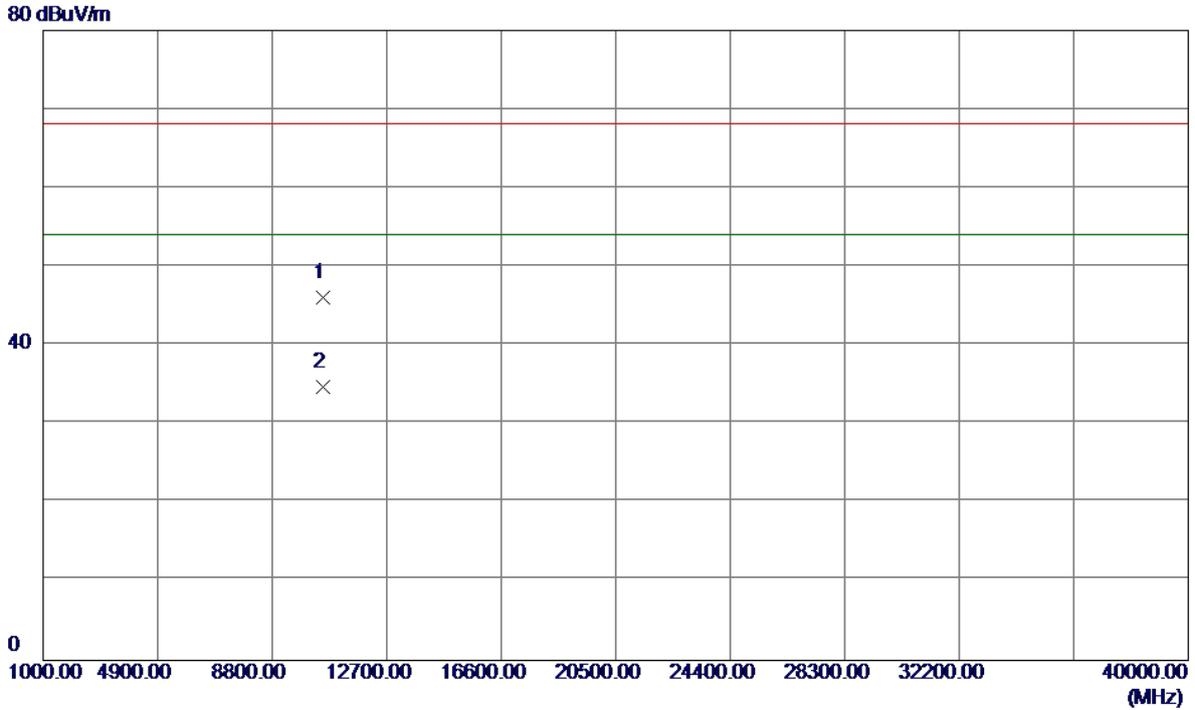
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5273.5000	47.78	41.03	88.81	54.00	34.81	AVG	NO LIMIT
2	5275.5000	55.90	41.04	96.94	68.20	28.74	Peak	NO LIMIT

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

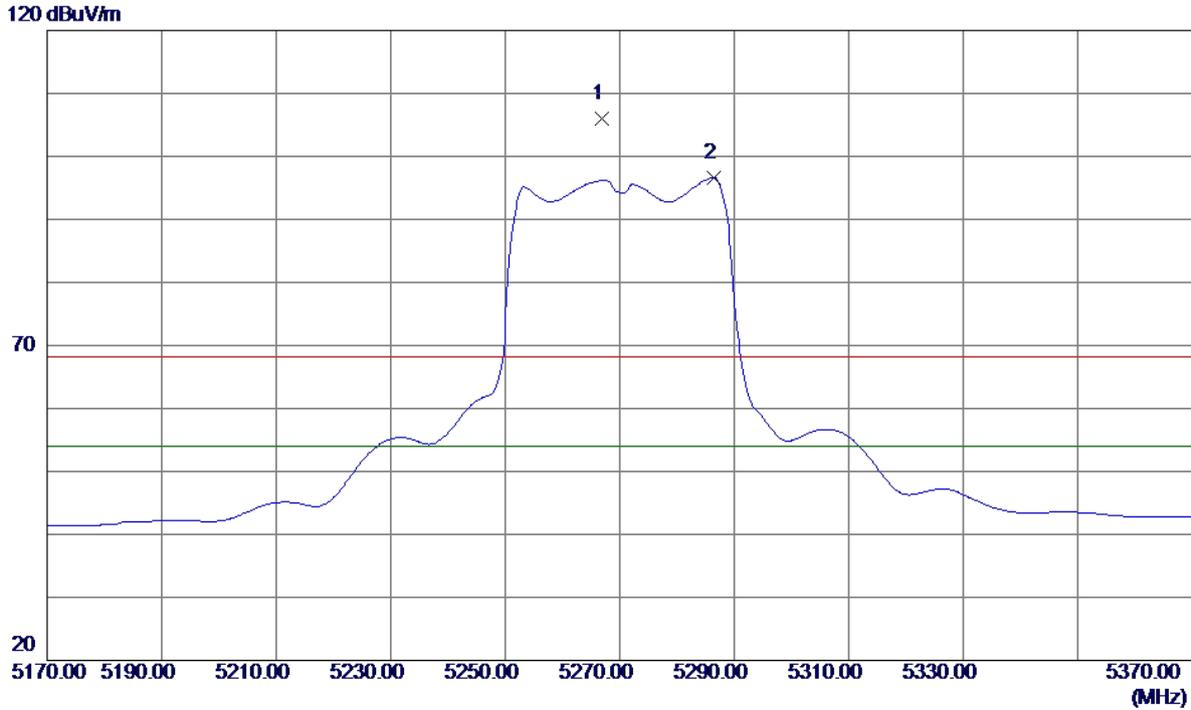
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10540.8500	30.77	15.34	46.11	68.20	-22.09	Peak	
2 *	10541.3500	19.45	15.34	34.79	54.00	-19.21	AVG	

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

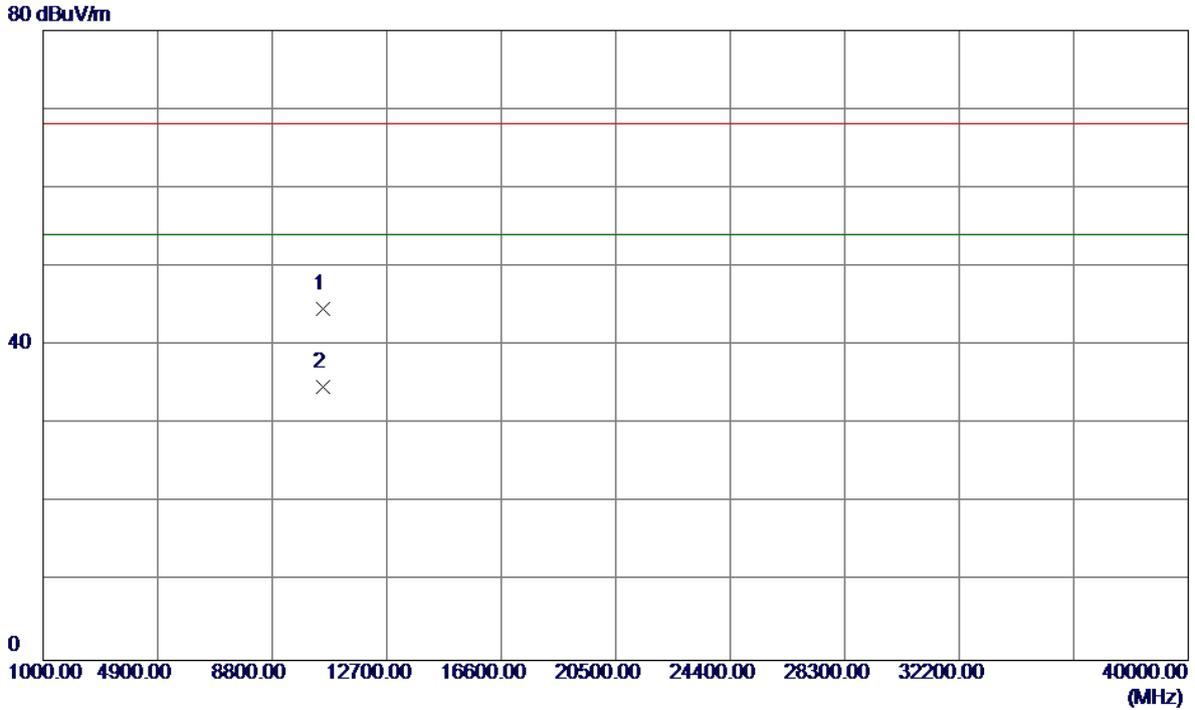
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5266.9000	64.92	41.01	105.93	68.20	37.73	Peak	NO LIMIT
2 *	5286.5000	55.60	41.08	96.68	54.00	42.68	AVG	NO LIMIT

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

Horizontal

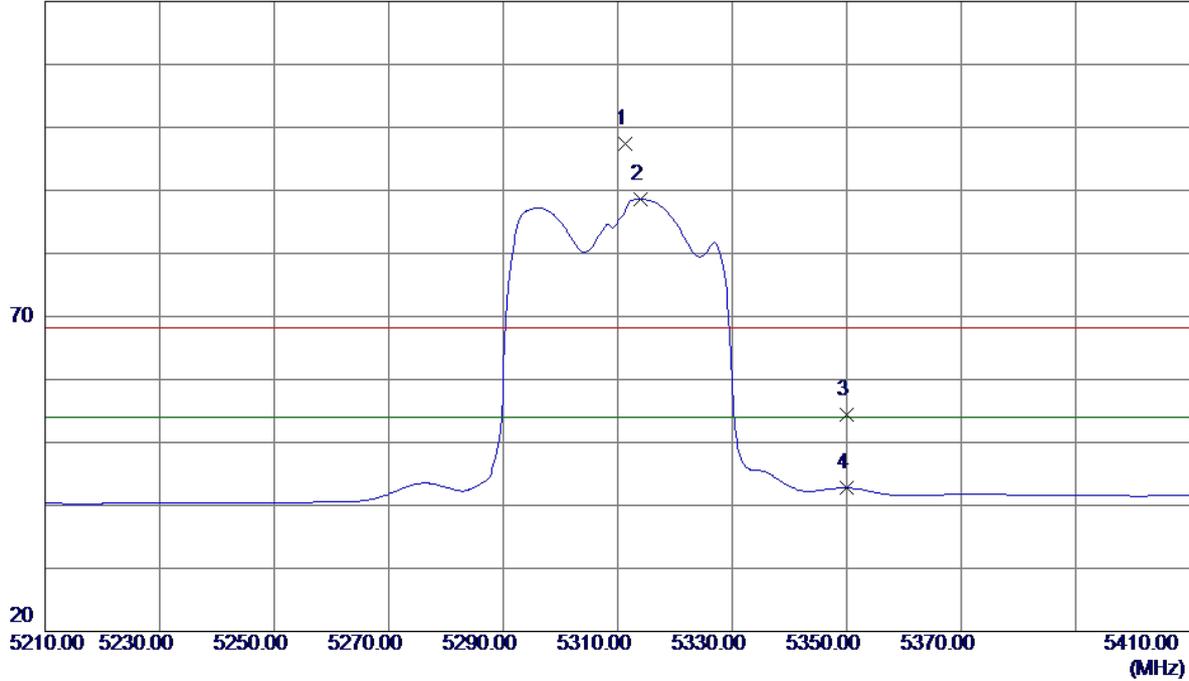


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10540.1500	29.24	15.34	44.58	68.20	-23.62	Peak	
2 *	10540.3600	19.31	15.34	34.65	54.00	-19.35	AVG	

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

Vertical

120 dBuV/m

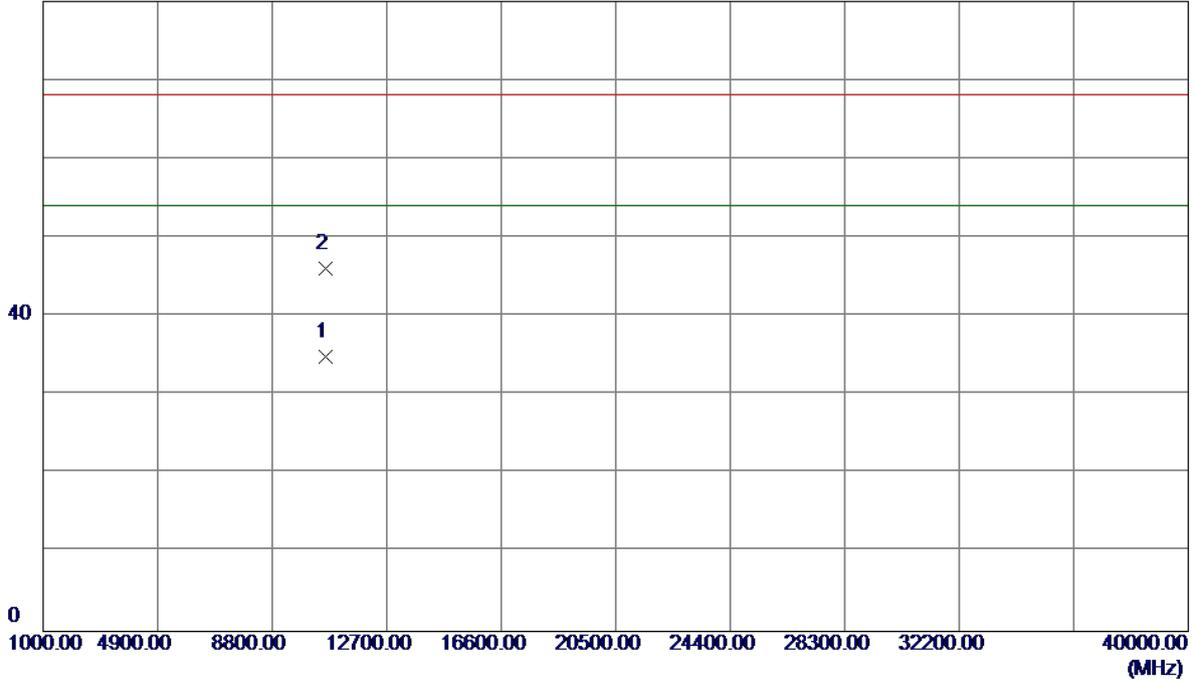


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5311.3000	56.32	41.16	97.48	68.20	29.28	Peak	NO LIMIT
2 *	5313.9000	47.44	41.17	88.61	54.00	34.61	AVG	NO LIMIT
3	5350.0000	13.18	41.28	54.46	68.20	-13.74	Peak	
4	5350.0000	1.45	41.28	42.73	54.00	-11.27	AVG	

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

Vertical

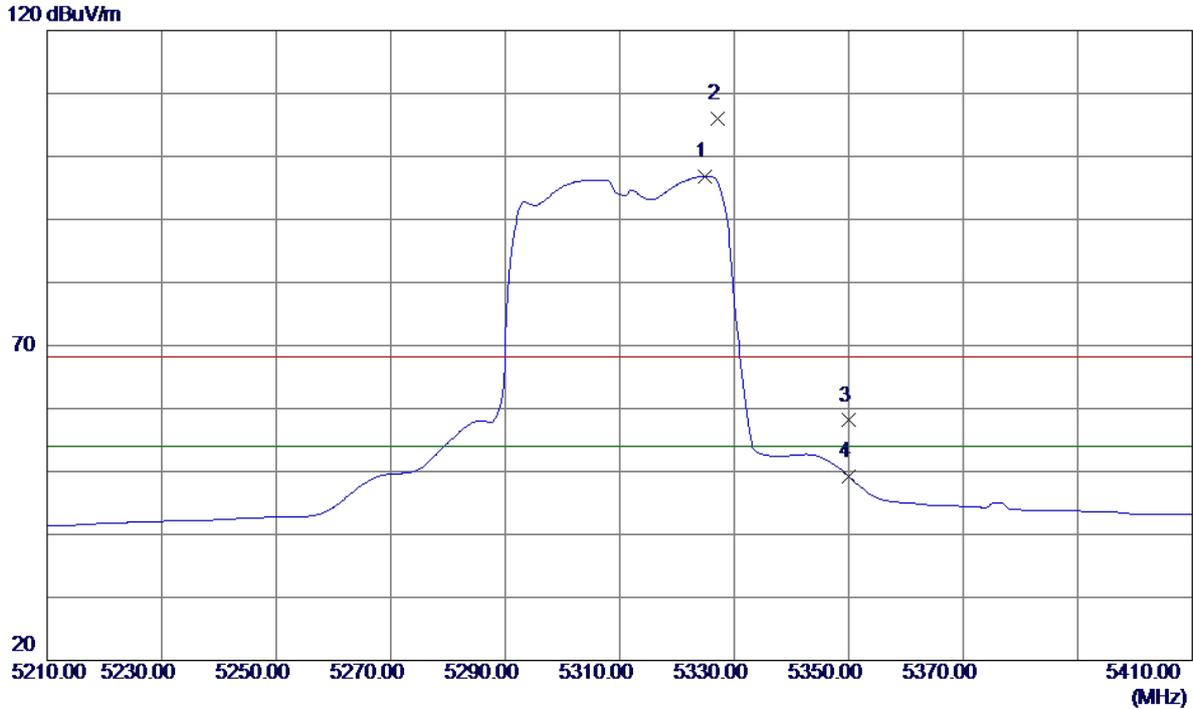
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10618.8200	19.46	15.44	34.90	54.00	-19.10	AVG	
2	10619.4100	30.67	15.44	46.11	68.20	-22.09	Peak	

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

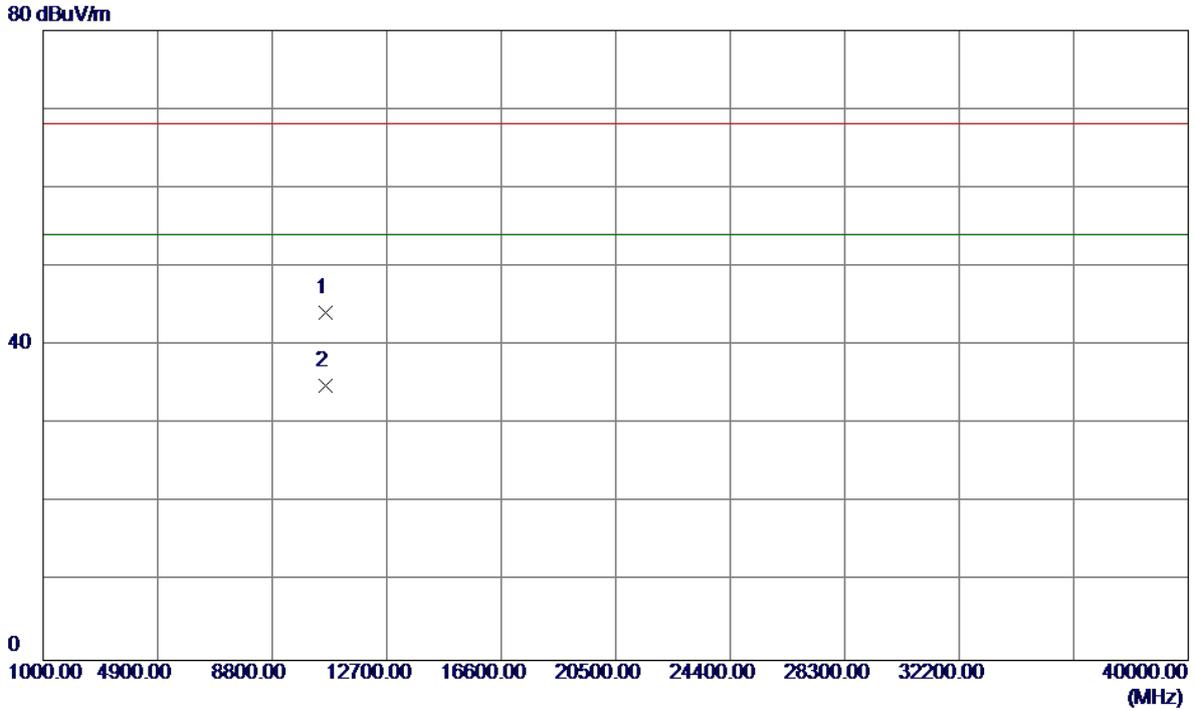
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5324.8000	55.65	41.20	96.85	54.00	42.85	AVG	NO LIMIT
2	5327.1000	64.72	41.21	105.93	68.20	37.73	Peak	NO LIMIT
3	5350.0000	16.82	41.28	58.10	68.20	-10.10	Peak	
4	5350.0000	7.89	41.28	49.17	54.00	-4.83	AVG	

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

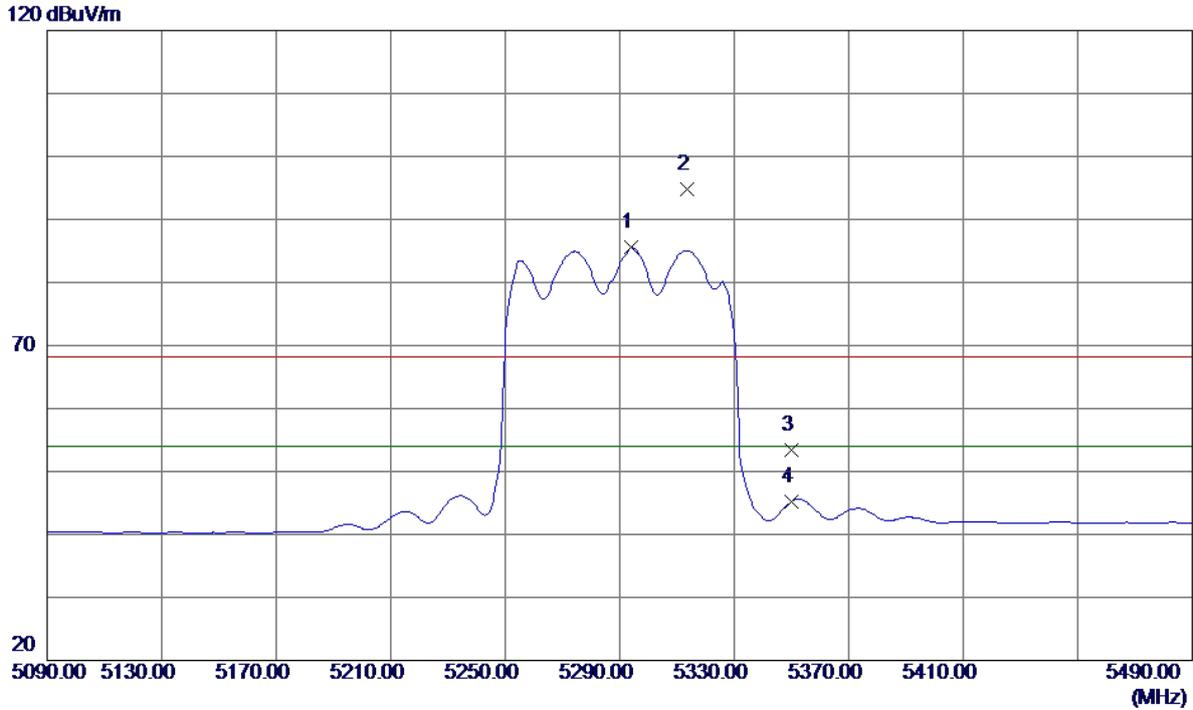
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10620.3500	28.72	15.44	44.16	68.20	-24.04	Peak	
2 *	10620.3099	19.51	15.44	34.95	54.00	-19.05	AVG	

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

Vertical

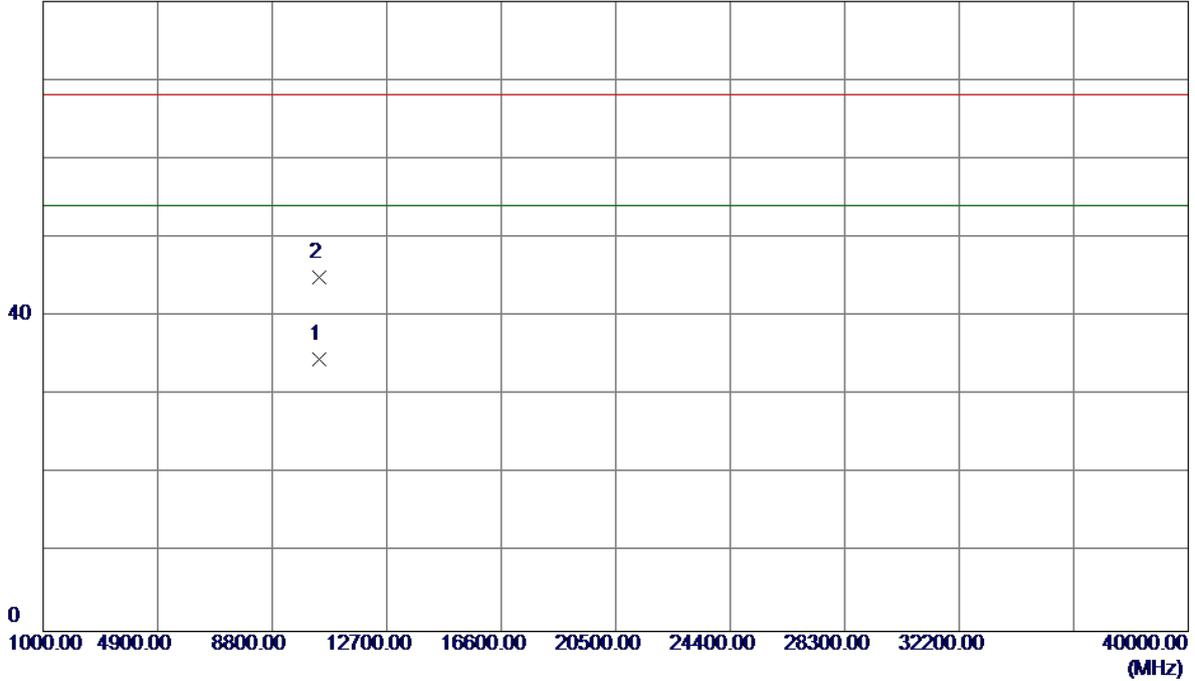


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5294.0000	44.43	41.10	85.53	54.00	31.53	AVG	NO LIMIT
2	5313.4000	53.59	41.16	94.75	68.20	26.55	Peak	NO LIMIT
3	5350.0000	12.11	41.28	53.39	68.20	-14.81	Peak	
4	5350.0000	4.01	41.28	45.29	54.00	-8.71	AVG	

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

Vertical

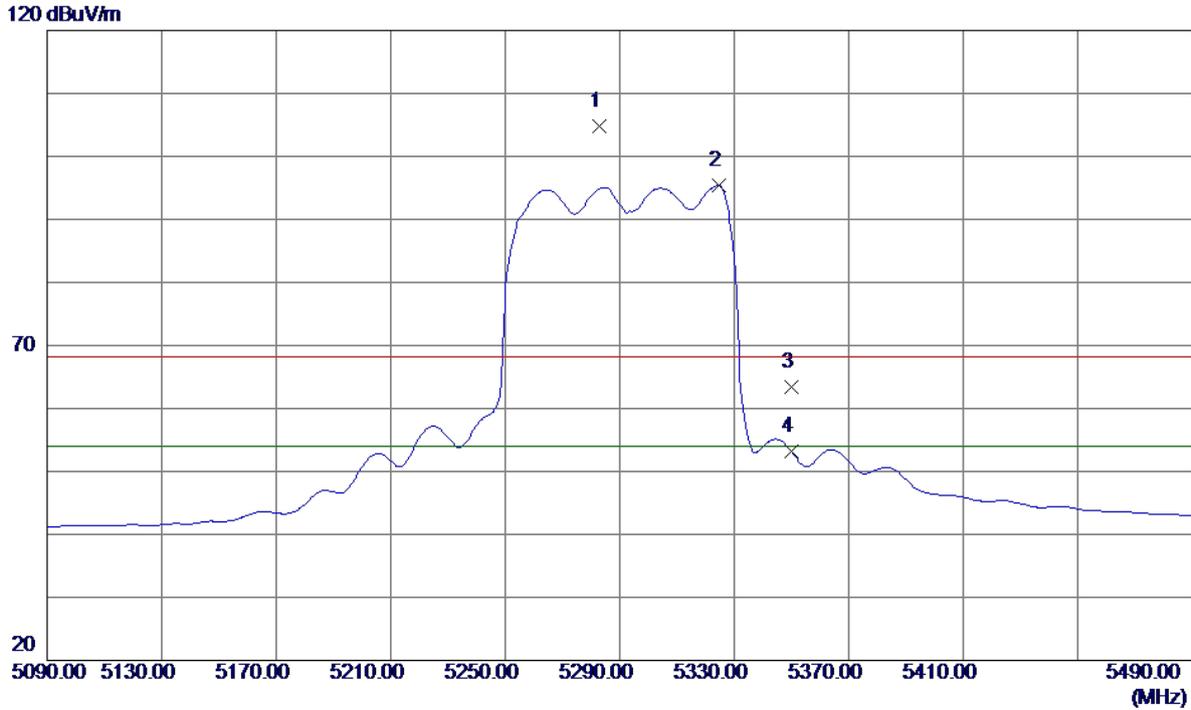
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10419.2000	19.53	15.10	34.63	54.00	-19.37	AVG	
2	10419.8000	29.89	15.10	44.99	68.20	-23.21	Peak	

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

Horizontal

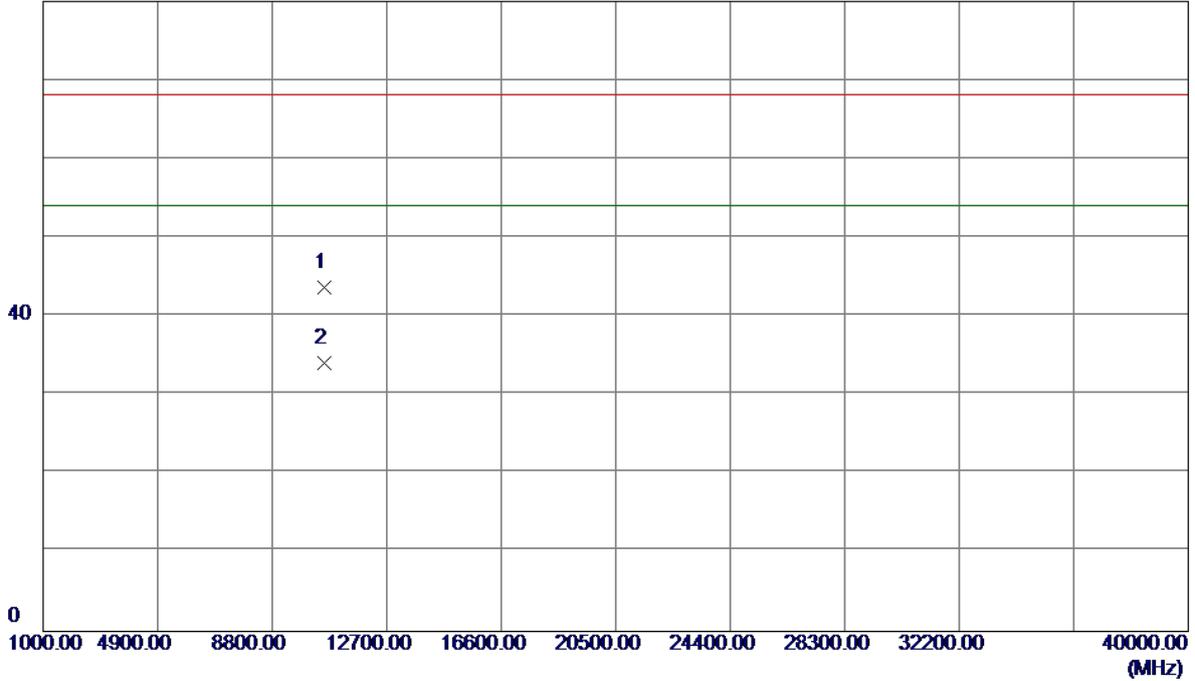


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5282.8000	63.79	41.06	104.85	68.20	36.65	Peak	NO LIMIT
2 *	5324.6000	54.14	41.20	95.34	54.00	41.34	AVG	NO LIMIT
3	5350.0000	22.14	41.28	63.42	68.20	-4.78	Peak	
4	5350.0000	11.91	41.28	53.19	54.00	-0.81	AVG	

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

Horizontal

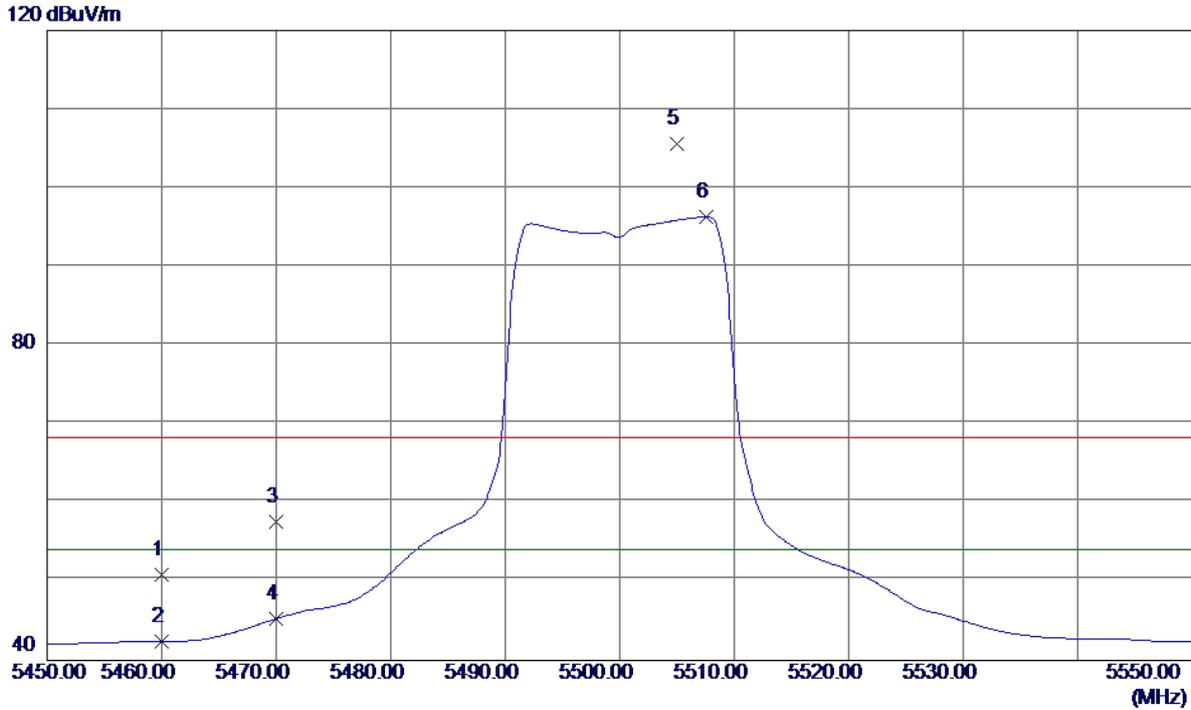
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10579.7500	28.34	15.39	43.73	68.20	-24.47	Peak	
2 *	10580.6500	18.73	15.39	34.12	54.00	-19.88	AVG	

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

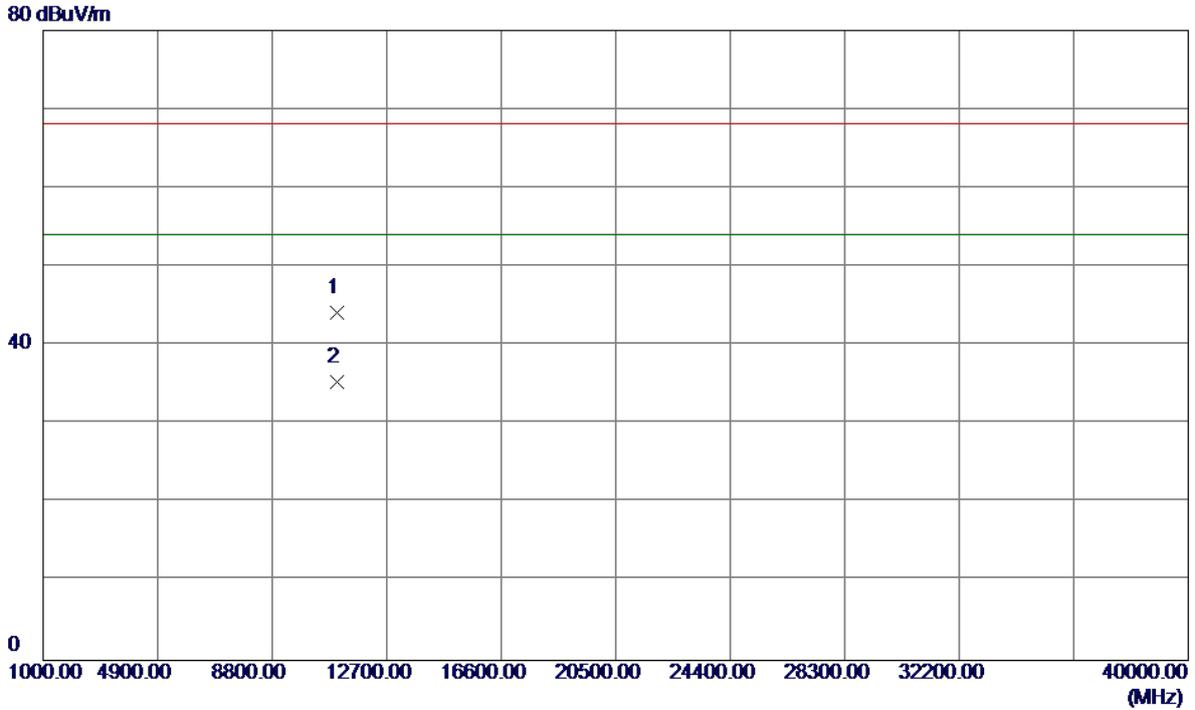
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	9.21	41.65	50.86	68.30	-17.44	Peak	
2	5460.0000	0.71	41.65	42.36	54.00	-11.64	AVG	
3	5470.0000	15.92	41.68	57.60	68.30	-10.70	Peak	
4	5470.0000	3.60	41.68	45.28	54.00	-8.72	AVG	
5	5505.0000	63.79	41.80	105.59	68.30	37.29	Peak	No Limit
6 *	5507.6000	54.51	41.81	96.32	54.00	42.32	AVG	No Limit

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

Vertical

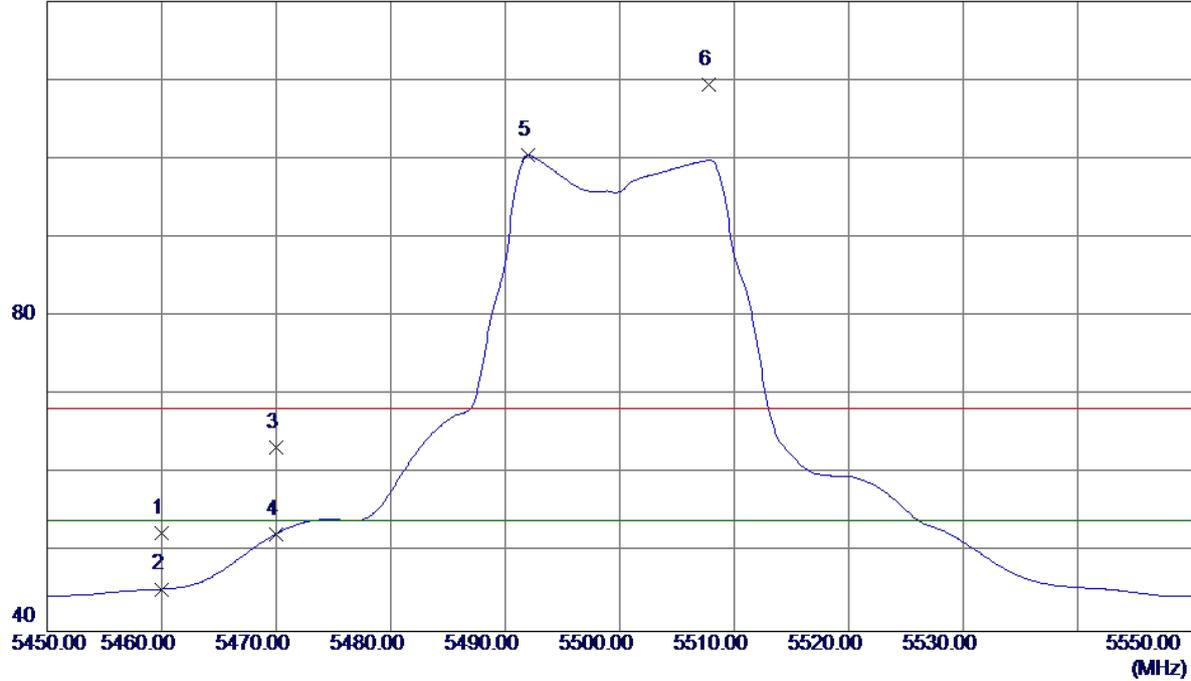


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10998.3400	28.28	15.93	44.21	68.20	-23.99	Peak	
2 *	11000.7500	19.42	15.93	35.35	54.00	-18.65	AVG	

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

Horizontal

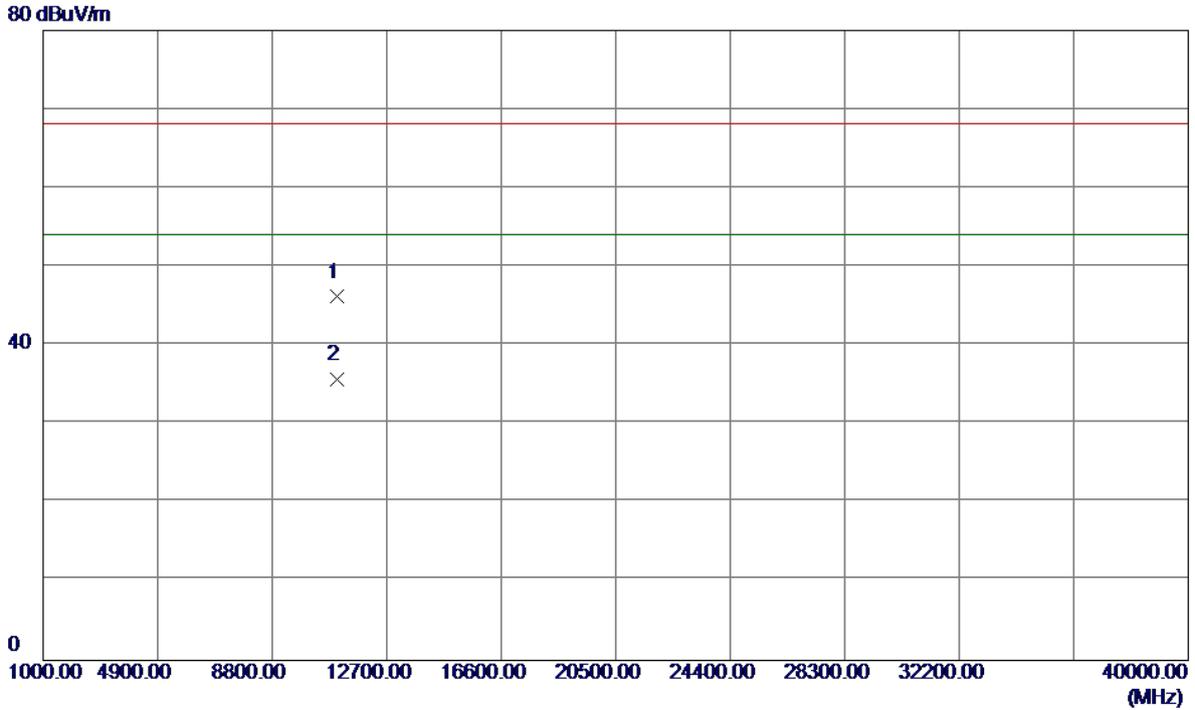
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	10.86	41.65	52.51	68.30	-15.79	Peak	
2	5460.0000	3.71	41.65	45.36	54.00	-8.64	AVG	
3	5470.0000	21.71	41.68	63.39	68.30	-4.91	Peak	
4	5470.0000	10.69	41.68	52.37	54.00	-1.63	AVG	
5 *	5492.0000	58.72	41.75	100.47	54.00	46.47	AVG	No Limit
6	5507.8000	67.60	41.81	109.41	68.30	41.11	Peak	No Limit

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

Horizontal

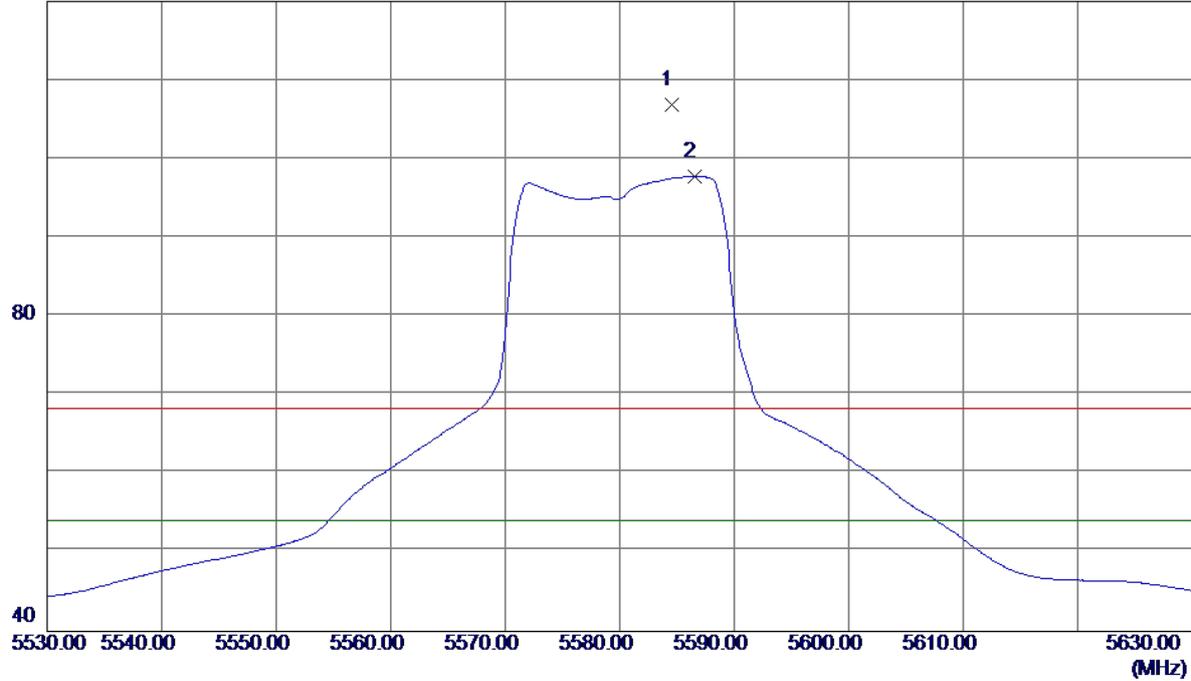


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11000.2100	30.23	15.93	46.16	68.20	-22.04	Peak	
2 *	11000.5700	19.71	15.93	35.64	54.00	-18.36	AVG	

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

Vertical

120 dBuV/m

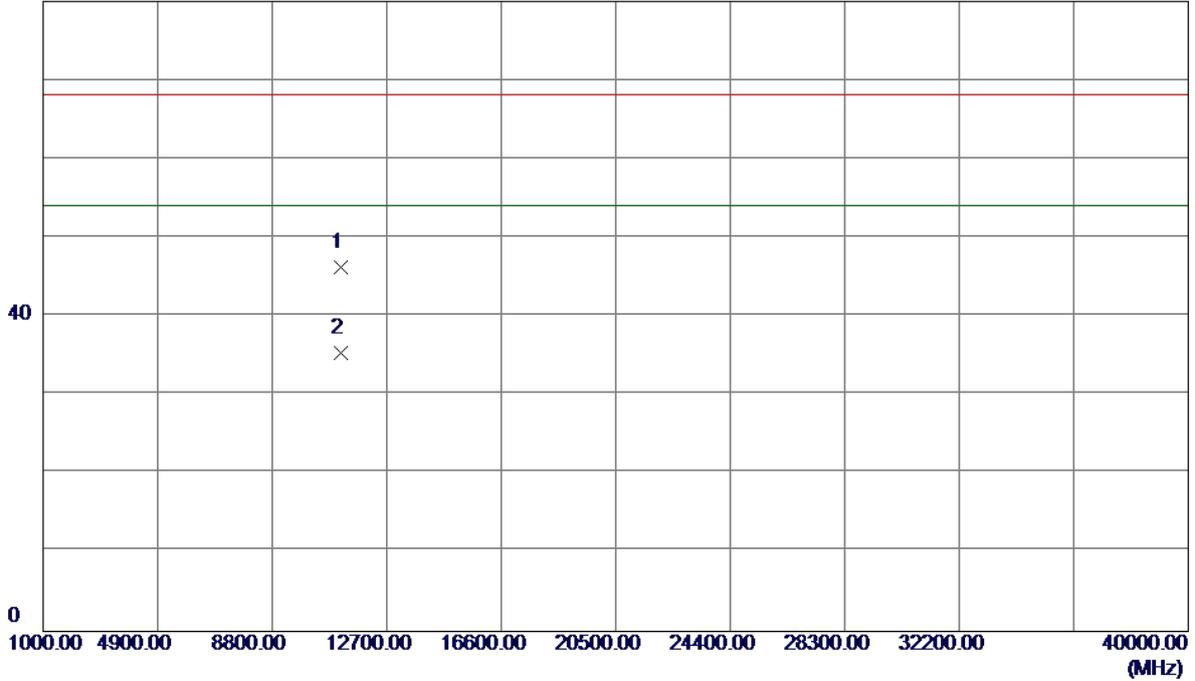


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5584.5000	64.87	42.08	106.95	68.30	38.65	Peak	No Limit
2 *	5586.5000	55.64	42.09	97.73	54.00	43.73	AVG	No Limit

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

Vertical

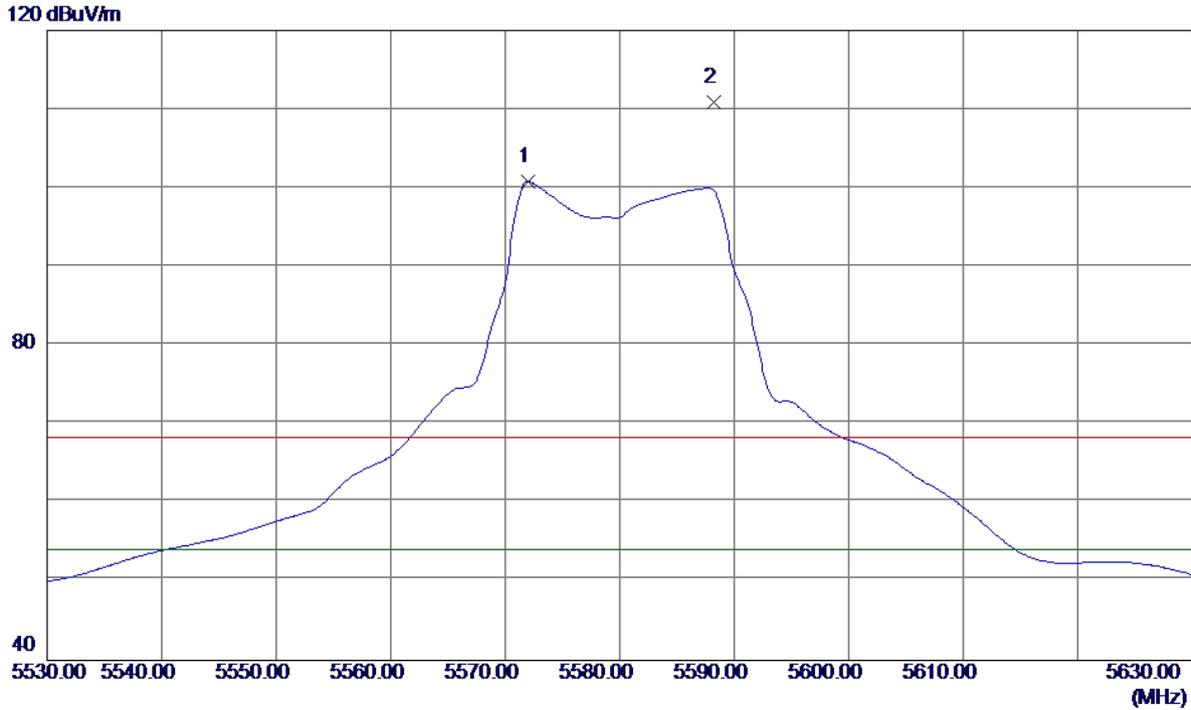
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11159.4200	30.41	15.79	46.20	68.20	-22.00	Peak	
2 *	11160.3099	19.57	15.79	35.36	54.00	-18.64	AVG	

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

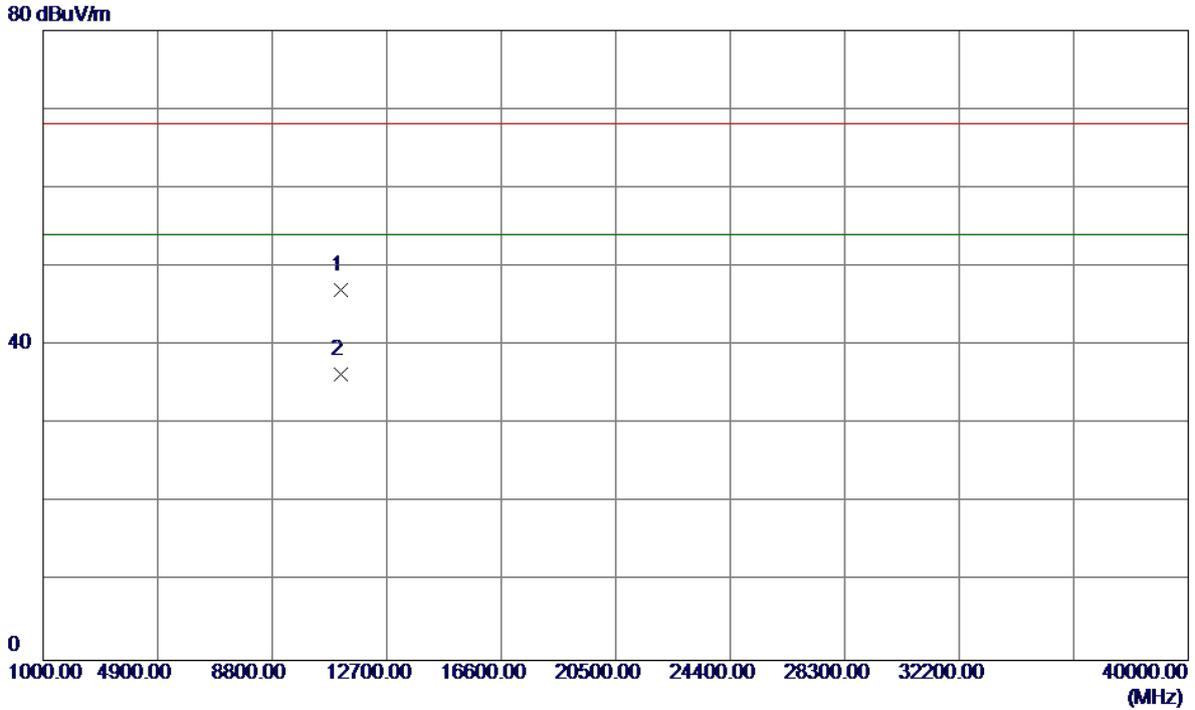
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5572.0000	58.76	42.04	100.80	54.00	46.80	AVG	No Limit
2	5588.2000	68.72	42.09	110.81	68.30	42.51	Peak	No Limit

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

Horizontal

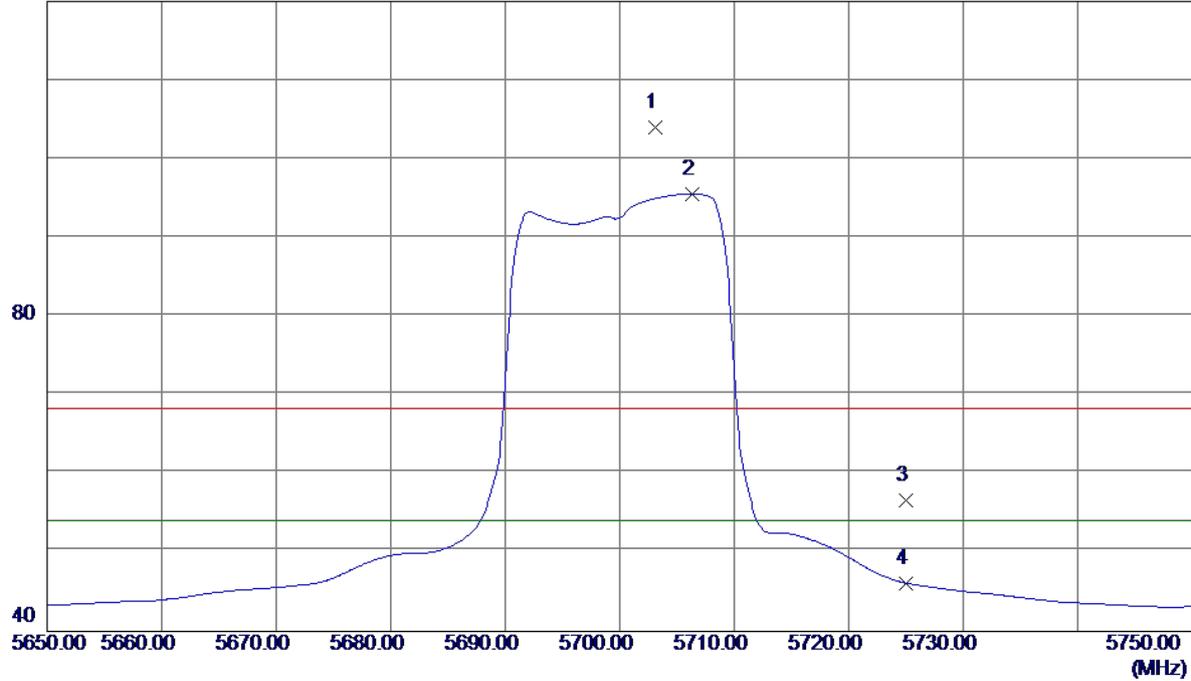


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11160.4200	31.23	15.79	47.02	68.20	-21.18	Peak	
2 *	11161.3600	20.48	15.78	36.26	54.00	-17.74	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5700MHz

Vertical

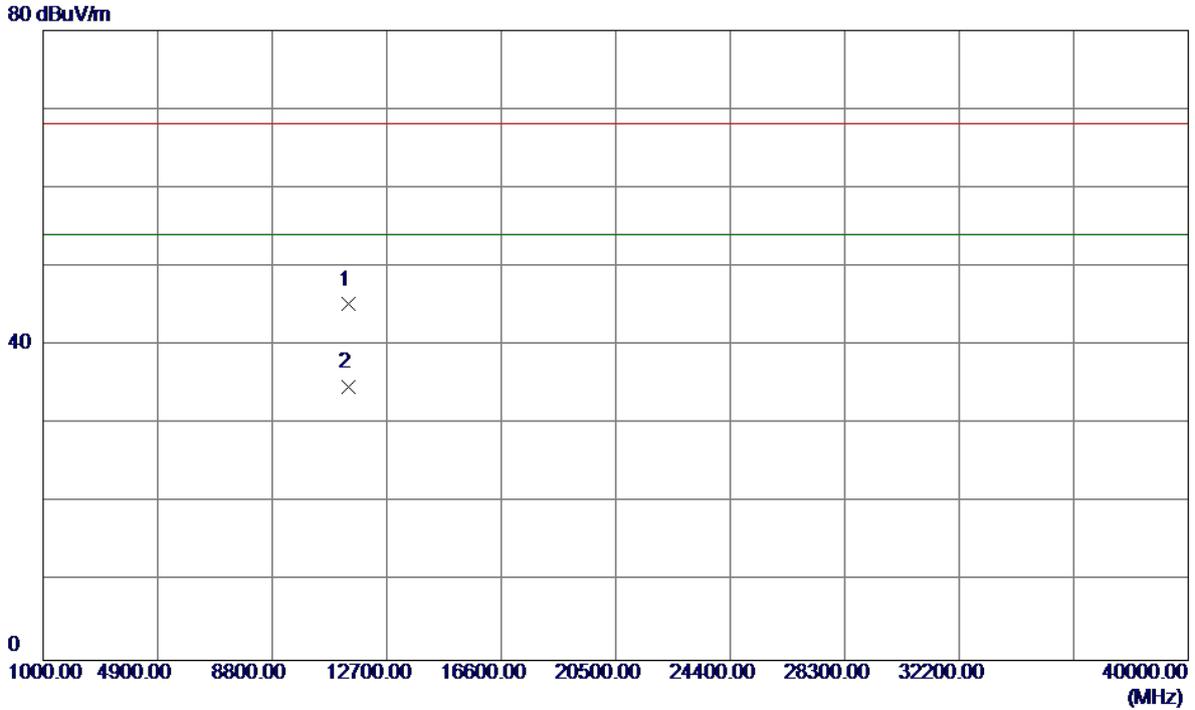
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5703.1000	61.54	42.50	104.04	68.30	35.74	Peak	No Limit
2 *	5706.3000	53.03	42.51	95.54	54.00	41.54	AVG	No Limit
3	5725.0000	14.05	42.58	56.63	68.30	-11.67	Peak	
4	5725.0000	3.54	42.58	46.12	54.00	-7.88	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5700MHz

Vertical

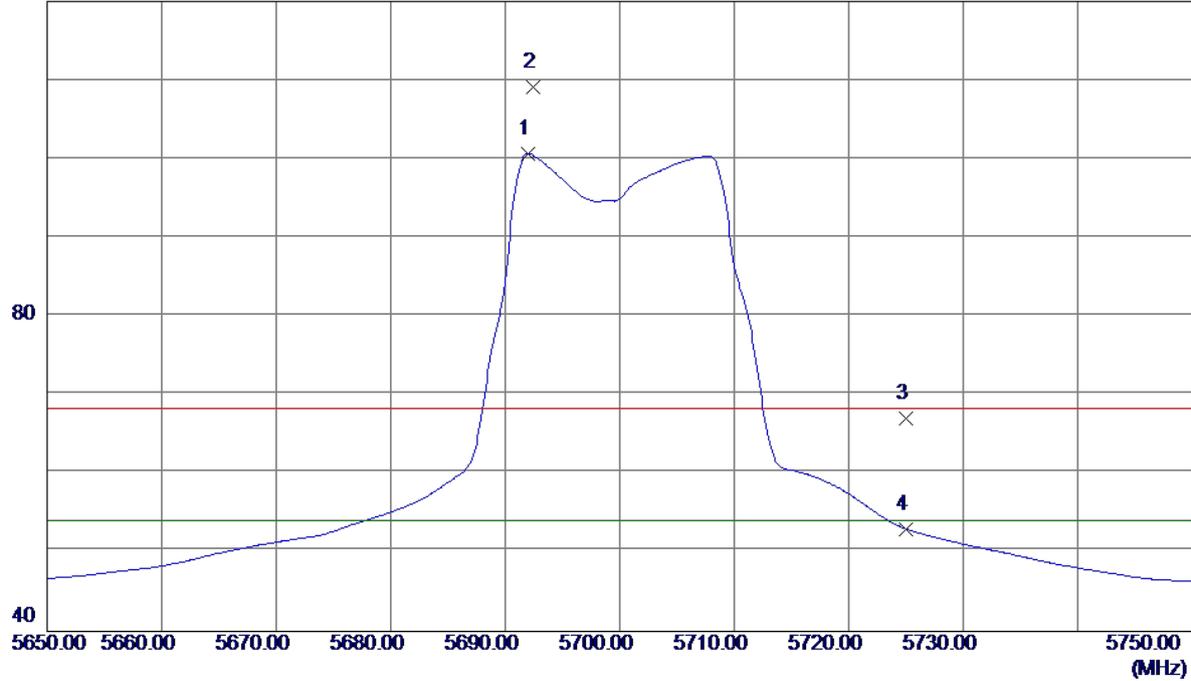


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11400.3000	29.63	15.57	45.20	68.20	-23.00	Peak	
2 *	11401.2000	19.18	15.57	34.75	54.00	-19.25	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5700MHz

Horizontal

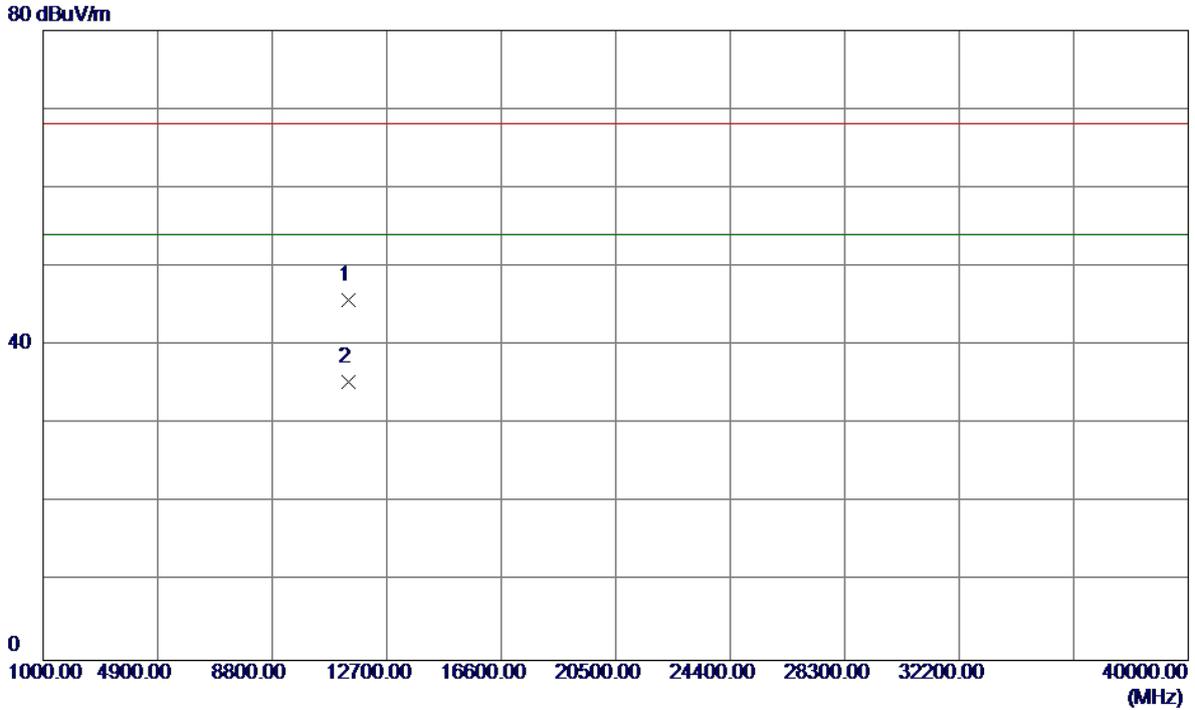
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5692.0000	58.21	42.46	100.67	54.00	46.67	AVG	No Limit
2	5692.4000	66.68	42.46	109.14	68.30	40.84	Peak	No Limit
3	5725.0000	24.44	42.58	67.02	68.30	-1.28	Peak	
4	5725.0000	10.44	42.58	53.02	54.00	-0.98	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC20 Mode 5700MHz

Horizontal

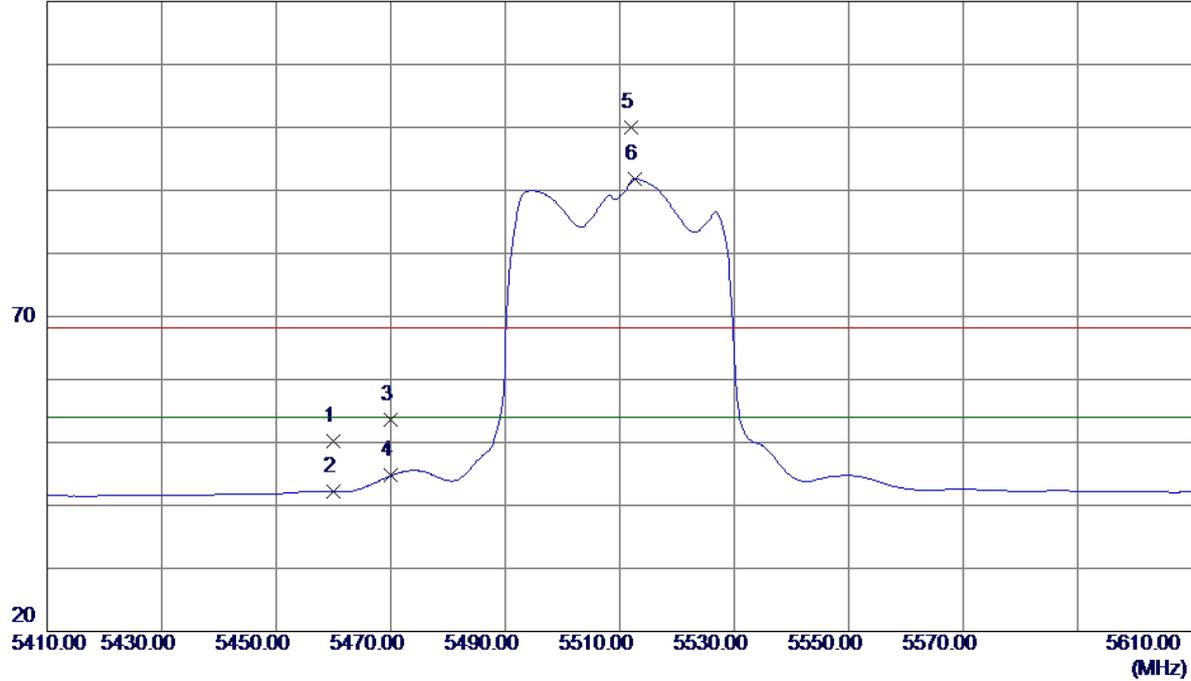


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11400.5400	30.24	15.57	45.81	68.20	-22.39	Peak	
2 *	11400.9200	19.73	15.57	35.30	54.00	-18.70	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5510MHz

Vertical

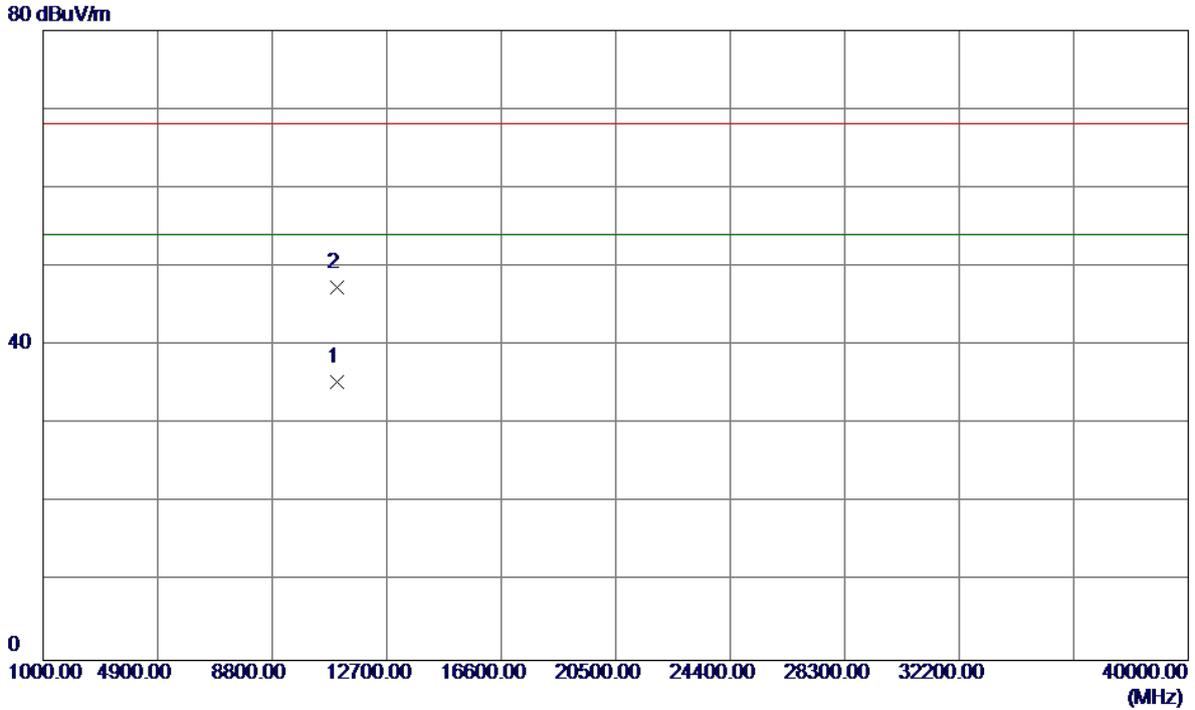
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	8.50	41.65	50.15	68.20	-18.05	Peak	
2	5460.0000	0.51	41.65	42.16	54.00	-11.84	AVG	
3	5470.0000	11.87	41.68	53.55	68.20	-14.65	Peak	
4	5470.0000	3.07	41.68	44.75	54.00	-9.25	AVG	
5	5511.9000	58.10	41.82	99.92	68.20	31.72	Peak	NO LIMIT
6 *	5512.7000	49.93	41.83	91.76	54.00	37.76	AVG	NO LIMIT

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5510MHz

Vertical

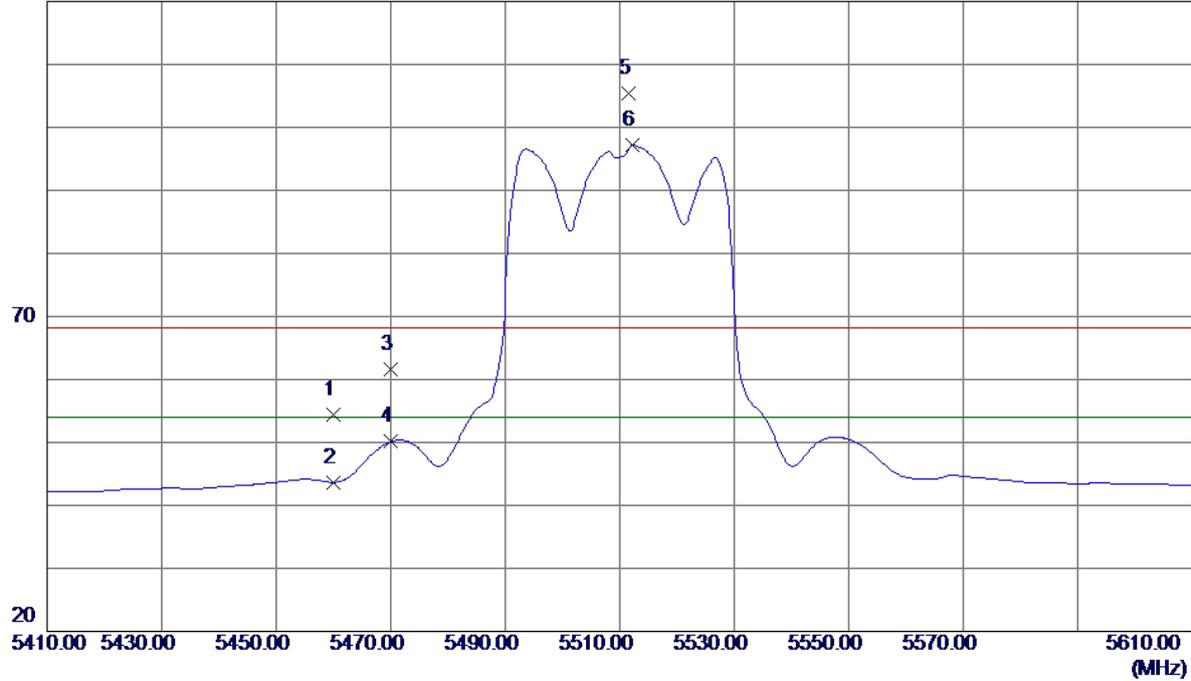


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11019.0500	19.45	15.91	35.36	54.00	-18.64	AVG	
2	11018.7400	31.38	15.91	47.29	68.20	-20.91	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5510MHz

Horizontal

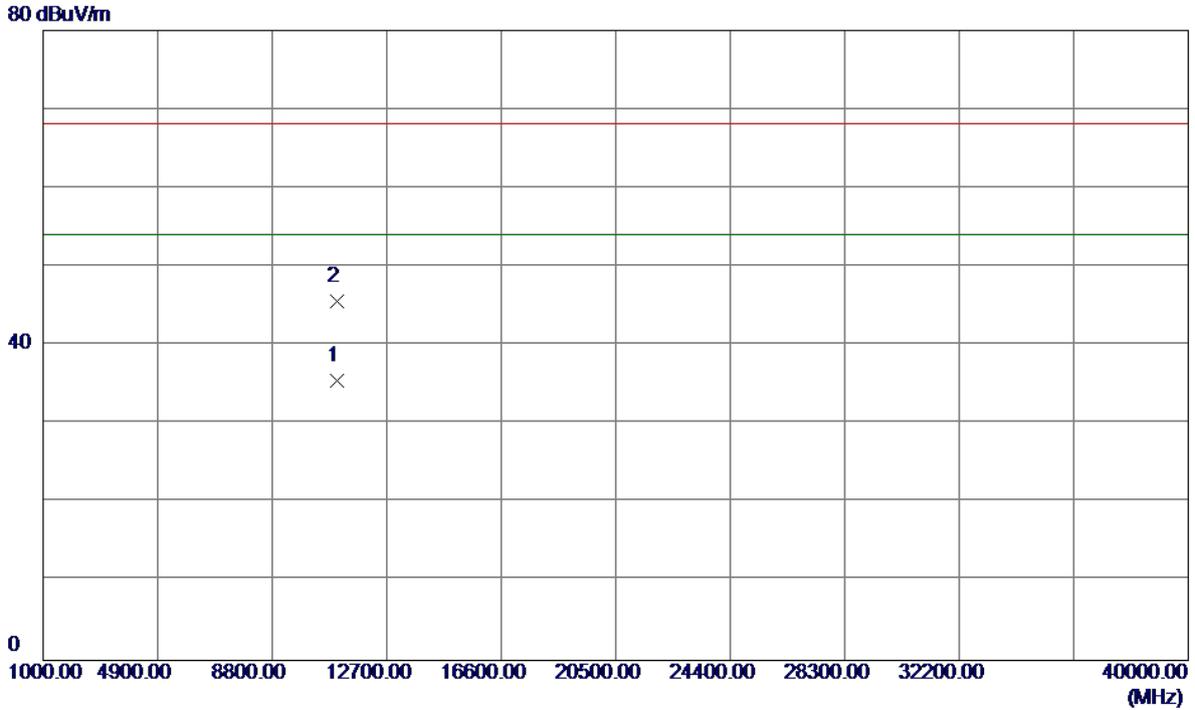
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	12.77	41.65	54.42	68.20	-13.78	Peak	
2	5460.0000	2.01	41.65	43.66	54.00	-10.34	AVG	
3	5470.0000	19.87	41.68	61.55	68.20	-6.65	Peak	
4	5470.0000	8.46	41.68	50.14	54.00	-3.86	AVG	
5	5511.5000	63.51	41.82	105.33	68.20	37.13	Peak	NO LIMIT
6 *	5512.3000	55.32	41.82	97.14	54.00	43.14	AVG	NO LIMIT

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5510MHz

Horizontal

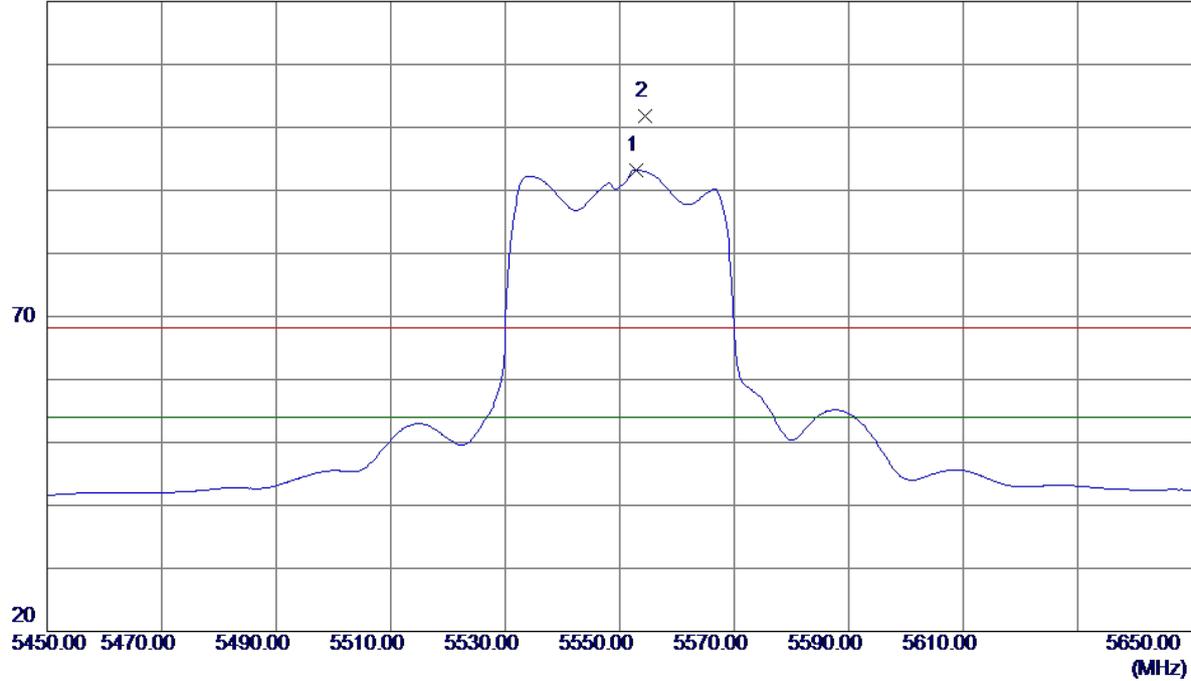


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11020.3800	19.58	15.91	35.49	54.00	-18.51	AVG	
2	11021.4500	29.74	15.91	45.65	68.20	-22.55	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5550MHz

Vertical

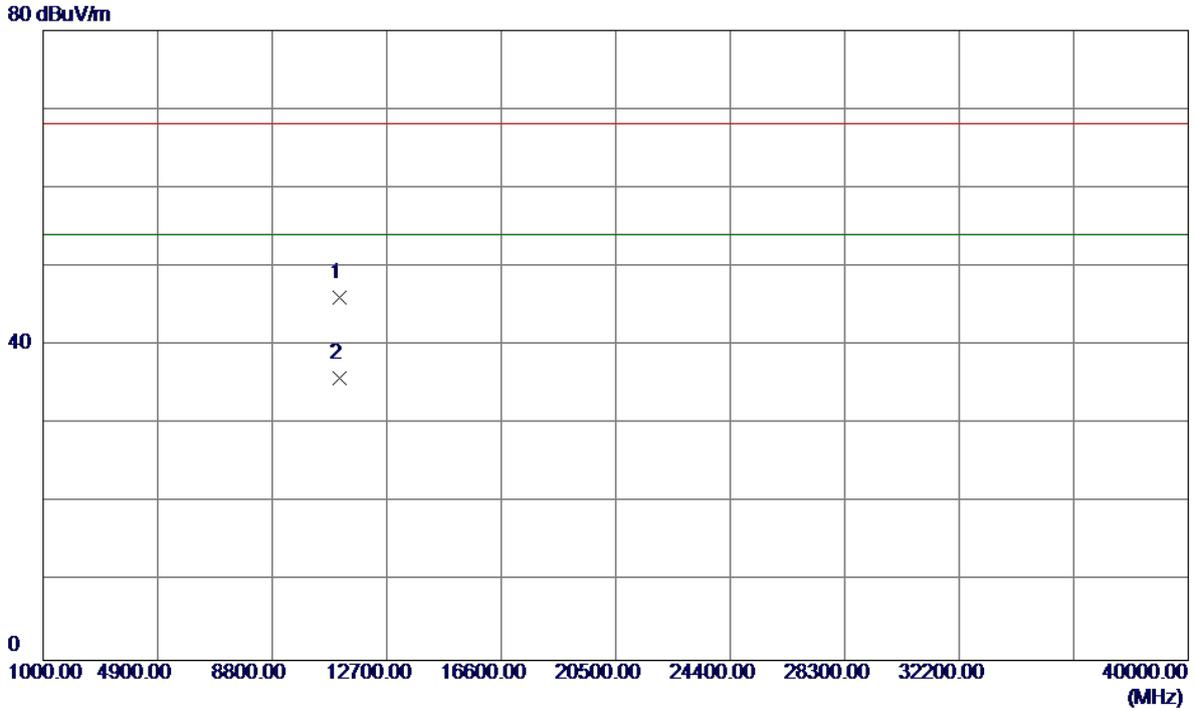
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5552.9000	51.23	41.97	93.20	54.00	39.20	AVG	NO LIMIT
2	5554.5000	59.75	41.97	101.72	68.20	33.52	Peak	NO LIMIT

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5550MHz

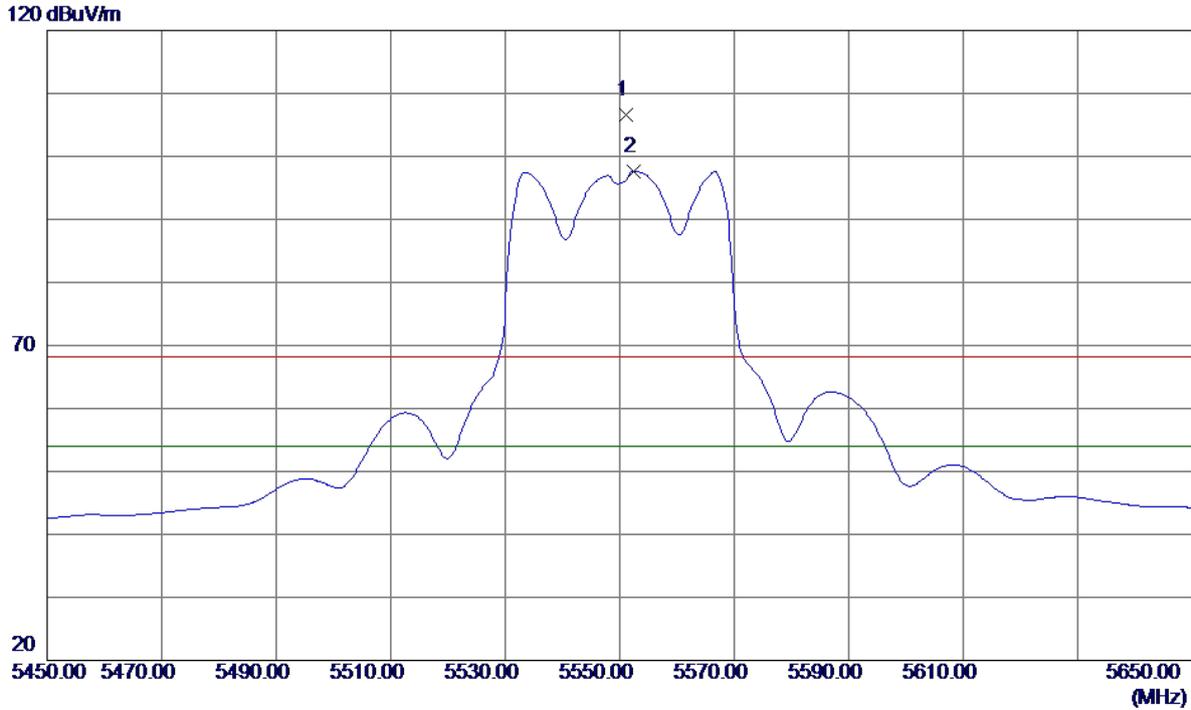
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11100.6700	30.31	15.84	46.15	68.20	-22.05	Peak	
2 *	11100.4300	19.97	15.84	35.81	54.00	-18.19	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5550MHz

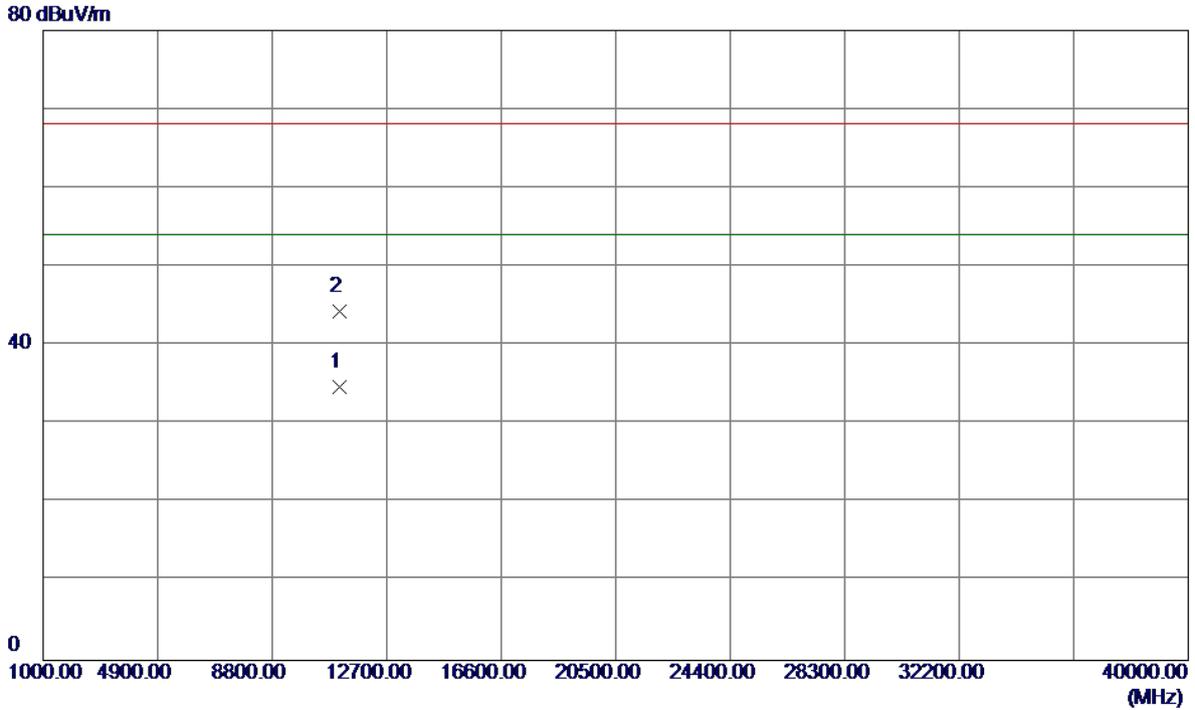
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5551.2000	64.56	41.96	106.52	68.20	38.32	Peak	NO LIMIT
2 *	5552.4000	55.69	41.97	97.66	54.00	43.66	AVG	NO LIMIT

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5550MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11100.6700	18.87	15.84	34.71	54.00	-19.29	AVG	
2	11100.0199	28.54	15.84	44.38	68.20	-23.82	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5670MHz

Vertical

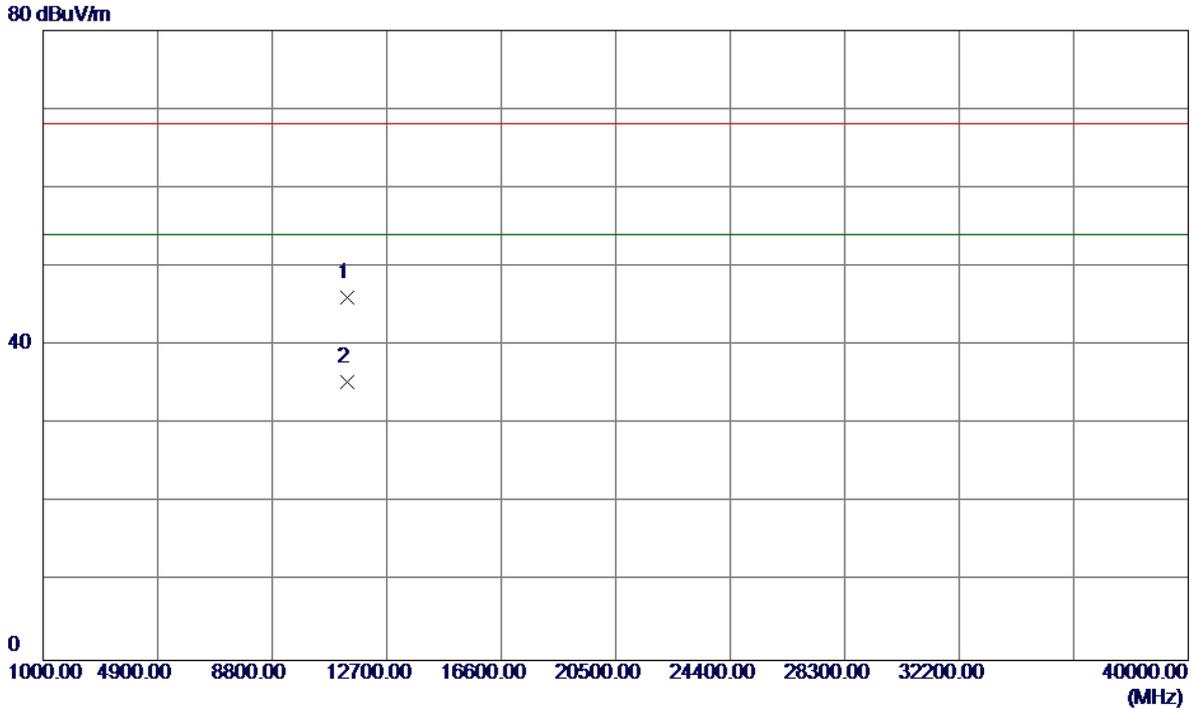
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5672.2000	49.50	42.39	91.89	54.00	37.89	AVG	NO LIMIT
2	5673.2000	58.18	42.40	100.58	68.20	32.38	Peak	NO LIMIT
3	5725.0000	11.07	42.58	53.65	68.20	-14.55	Peak	
4	5725.0000	2.65	42.58	45.23	54.00	-8.77	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5670MHz

Vertical

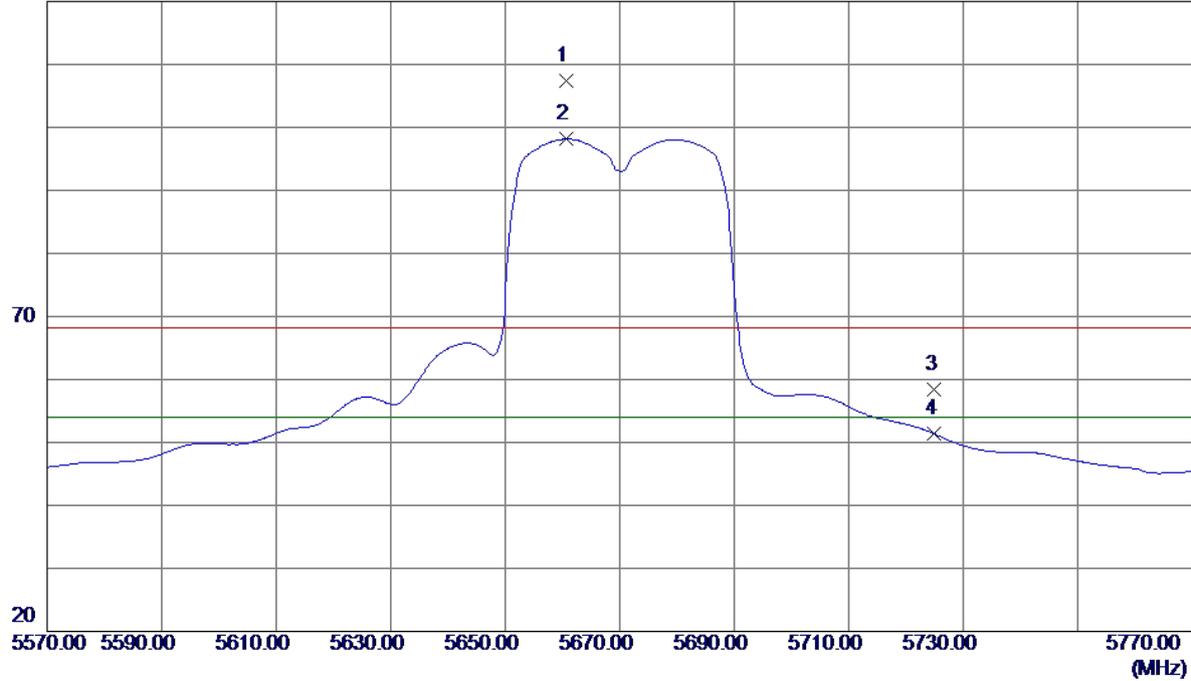


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11339.5800	30.51	15.62	46.13	68.20	-22.07	Peak	
2 *	11340.4500	19.75	15.62	35.37	54.00	-18.63	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5670MHz

Horizontal

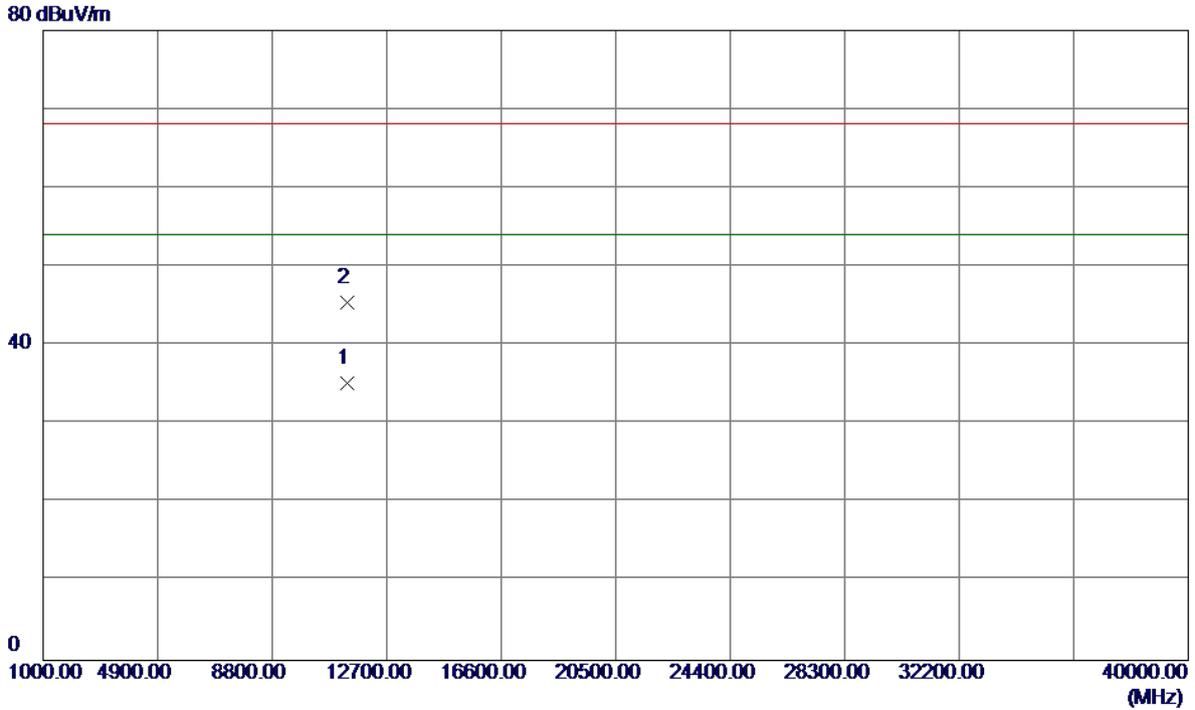
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5660.7000	64.99	42.35	107.34	68.20	39.14	Peak	NO LIMIT
2 *	5660.7000	55.79	42.35	98.14	54.00	44.14	AVG	NO LIMIT
3	5725.0000	15.75	42.58	58.33	68.20	-9.87	Peak	
4	5725.0000	8.75	42.58	51.33	54.00	-2.67	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC40 Mode 5670MHz

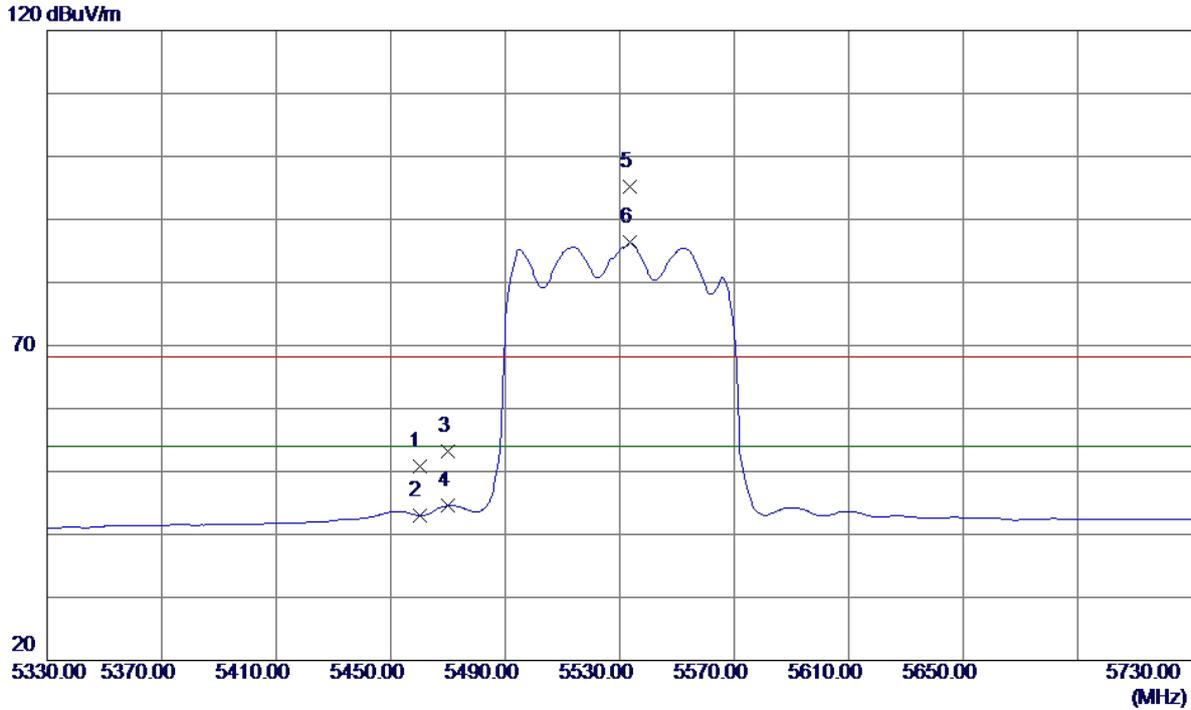
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11340.3600	19.53	15.62	35.15	54.00	-18.85	AVG	
2	11340.8200	29.76	15.62	45.38	68.20	-22.82	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5530MHz

Vertical

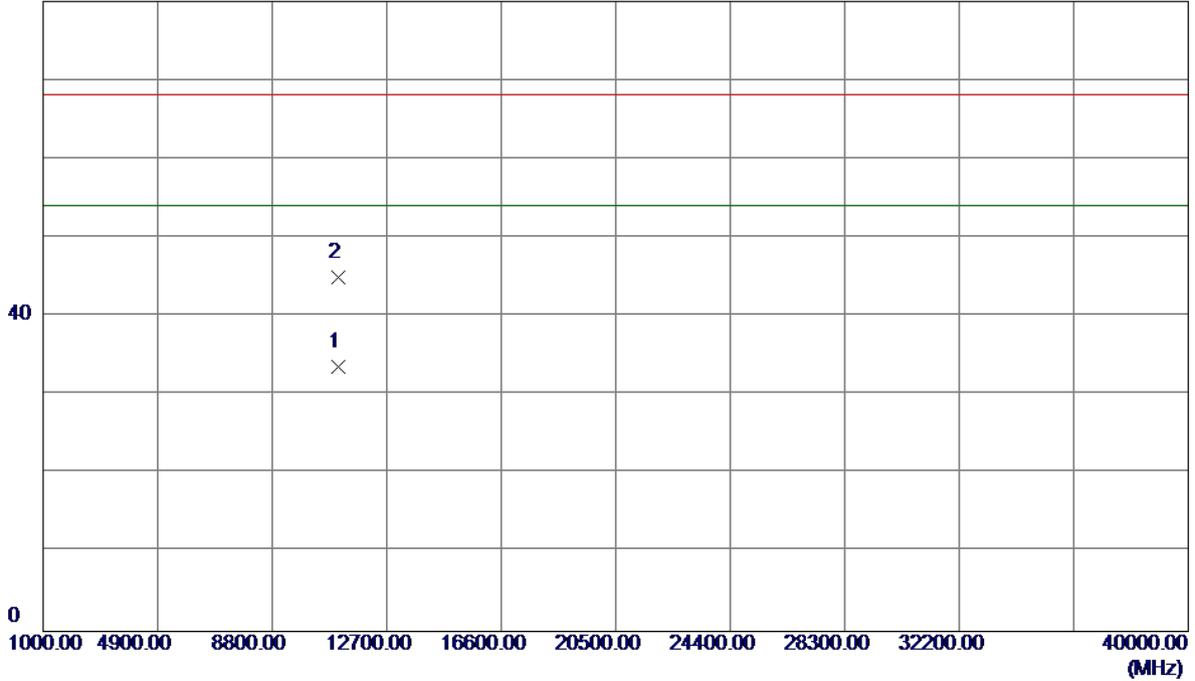


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	9.12	41.65	50.77	68.20	-17.43	Peak	
2	5460.0000	1.30	41.65	42.95	54.00	-11.05	AVG	
3	5470.0000	11.53	41.68	53.21	68.20	-14.99	Peak	
4	5470.0000	2.90	41.68	44.58	54.00	-9.42	AVG	
5	5533.6000	53.30	41.90	95.20	68.20	27.00	Peak	NO LIMIT
6 *	5533.6000	44.46	41.90	86.36	54.00	32.36	AVG	NO LIMIT

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5530MHz

Vertical

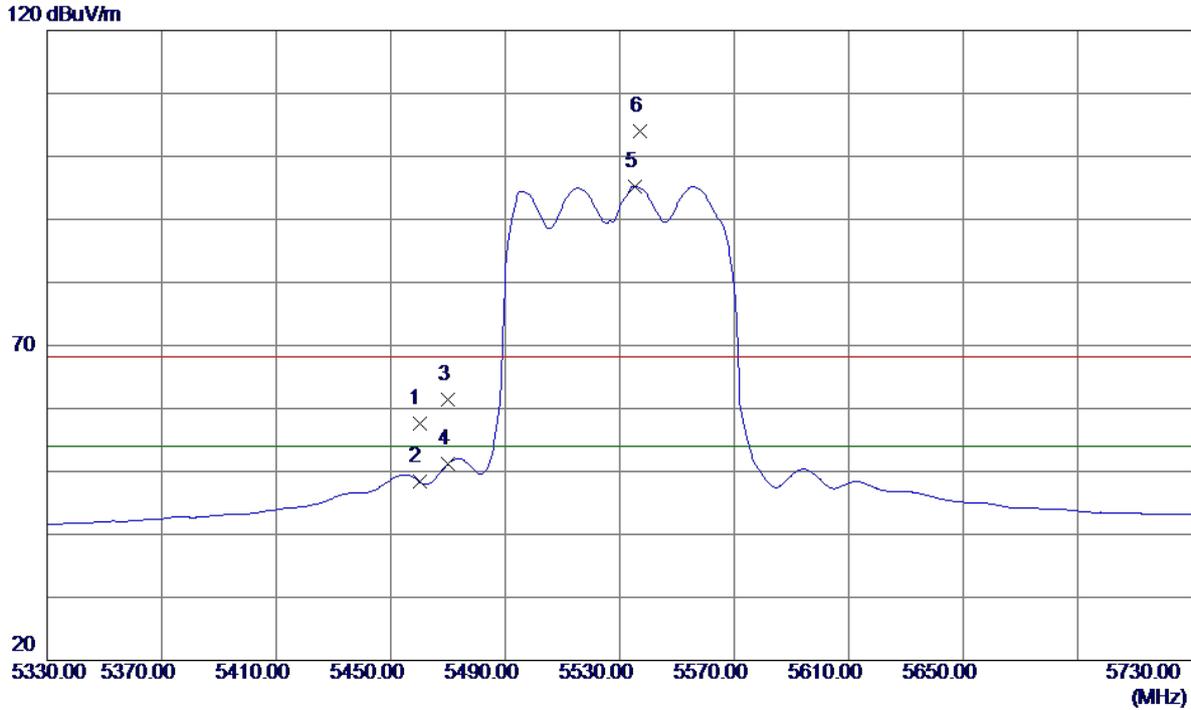
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11058.5000	17.73	15.88	33.61	54.00	-20.39	AVG	
2	11058.6500	29.10	15.88	44.98	68.20	-23.22	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5530MHz

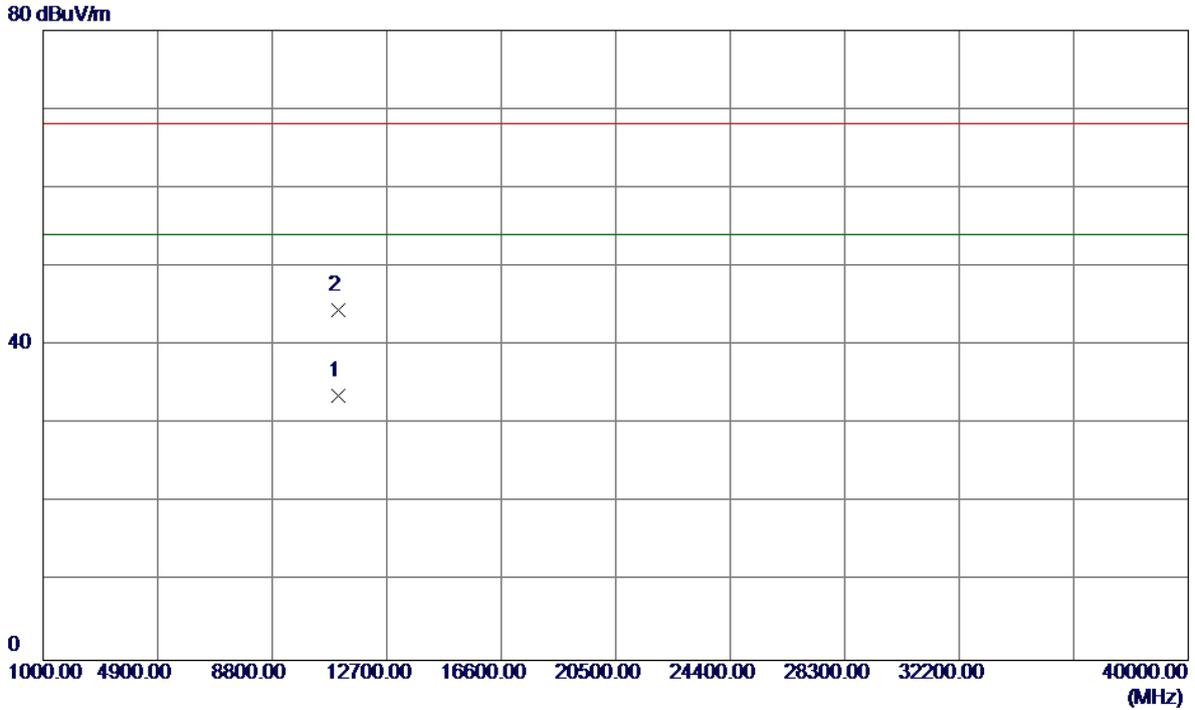
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	15.87	41.65	57.52	68.20	-10.68	Peak	
2	5460.0000	6.76	41.65	48.41	54.00	-5.59	AVG	
3	5470.0000	19.80	41.68	61.48	68.20	-6.72	Peak	
4	5470.0000	9.58	41.68	51.26	54.00	-2.74	AVG	
5 *	5535.2000	53.33	41.91	95.24	54.00	41.24	AVG	NO LIMIT
6	5537.2000	62.18	41.91	104.09	68.20	35.89	Peak	NO LIMIT

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5530MHz

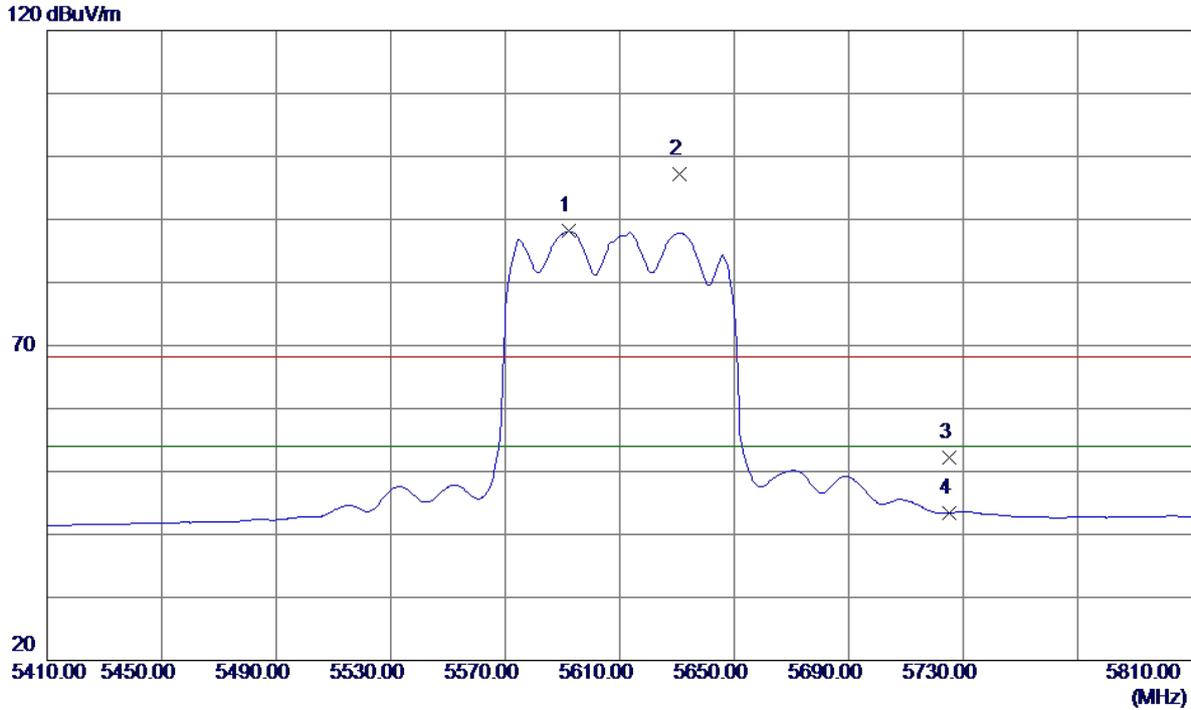
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11058.4500	17.67	15.88	33.55	54.00	-20.45	AVG	
2	11059.1500	28.65	15.88	44.53	68.20	-23.67	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5610MHz

Vertical

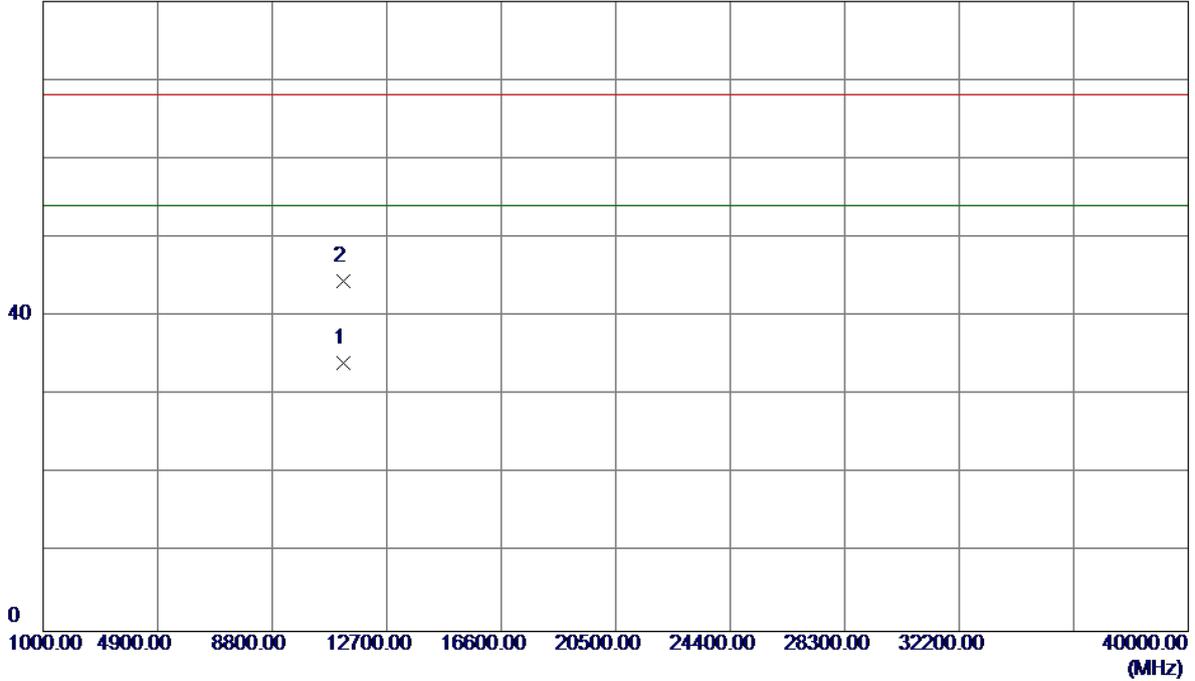


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5592.4000	46.01	42.11	88.12	54.00	34.12	AVG	NO LIMIT
2	5630.8000	55.01	42.25	97.26	68.20	29.06	Peak	NO LIMIT
3	5725.0000	9.63	42.58	52.21	68.20	-15.99	Peak	
4	5725.0000	0.78	42.58	43.36	54.00	-10.64	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5610MHz

Vertical

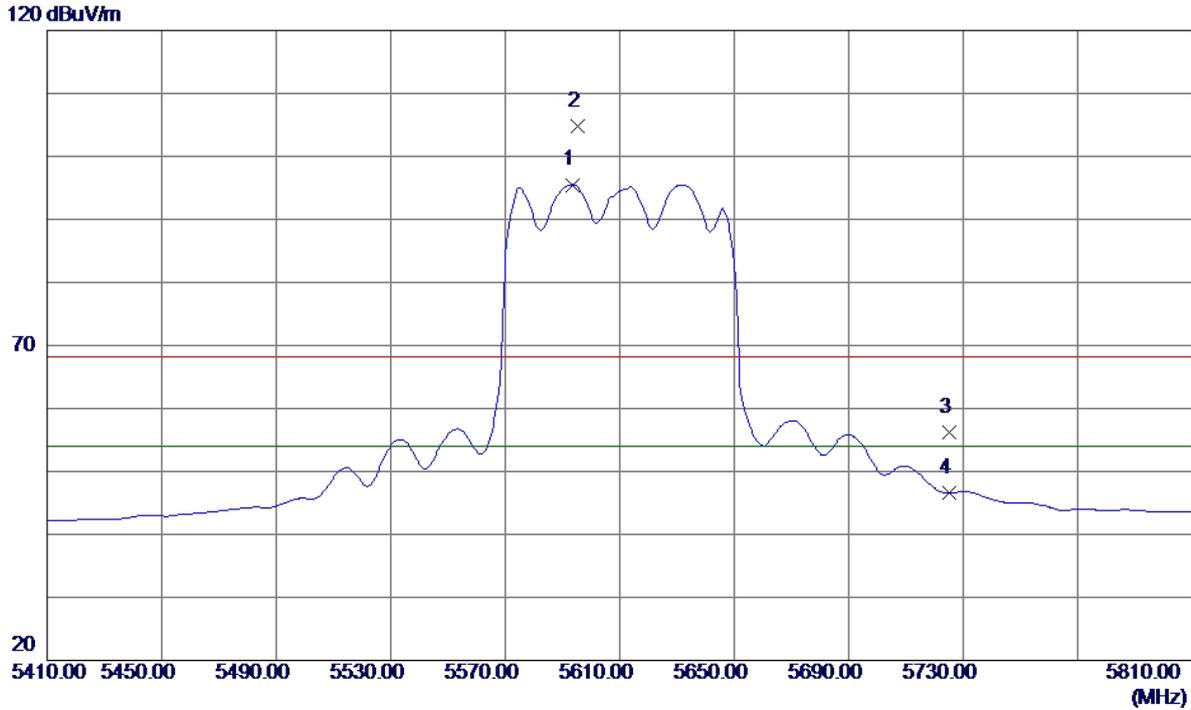
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11220.4800	18.29	15.73	34.02	54.00	-19.98	AVG	
2	11219.2100	28.74	15.73	44.47	68.20	-23.73	Peak	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5610MHz

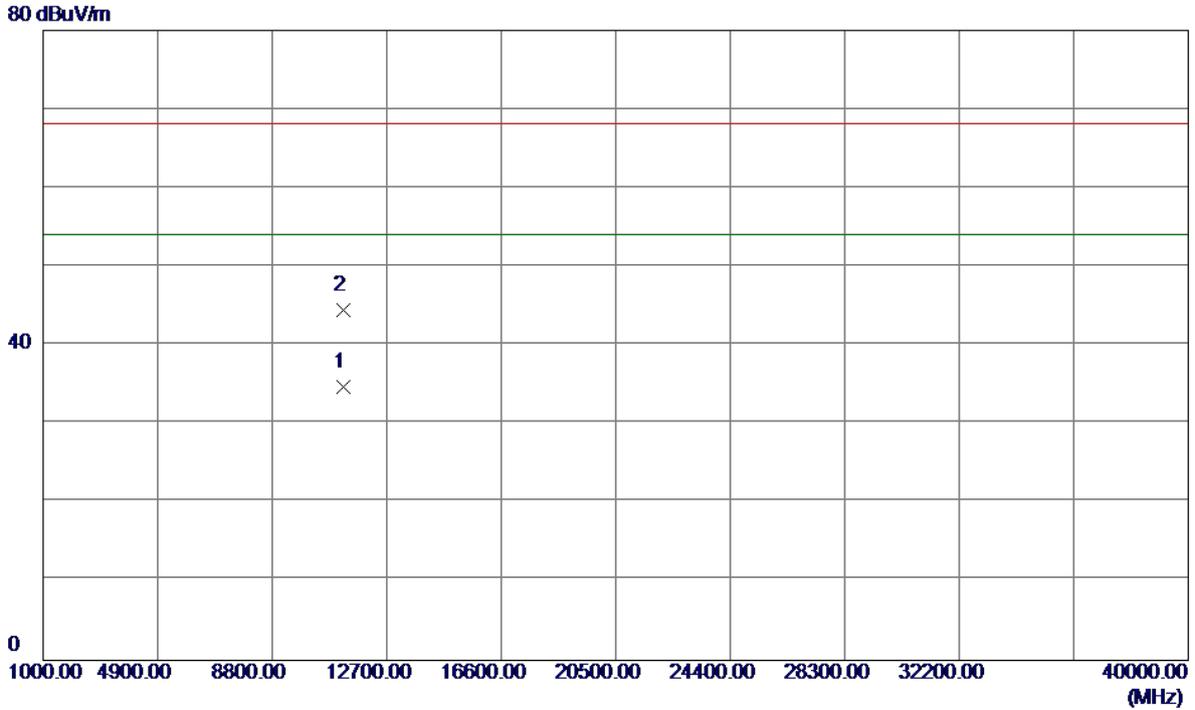
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5593.4000	53.39	42.11	95.50	54.00	41.50	AVG	NO LIMIT
2	5595.2000	62.68	42.12	104.80	68.20	36.60	Peak	NO LIMIT
3	5725.0000	13.53	42.58	56.11	68.20	-12.09	Peak	
4	5725.0000	3.95	42.58	46.53	54.00	-7.47	AVG	

Orthogonal Axis :	X
Test Mode :	UNII-2C/ TX AC80 Mode 5610MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11220.2699	19.06	15.73	34.79	54.00	-19.21	AVG	
2	11219.3800	28.78	15.73	44.51	68.20	-23.69	Peak	

TX A Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

Duty cycle = T_{ON} / T_{Total}

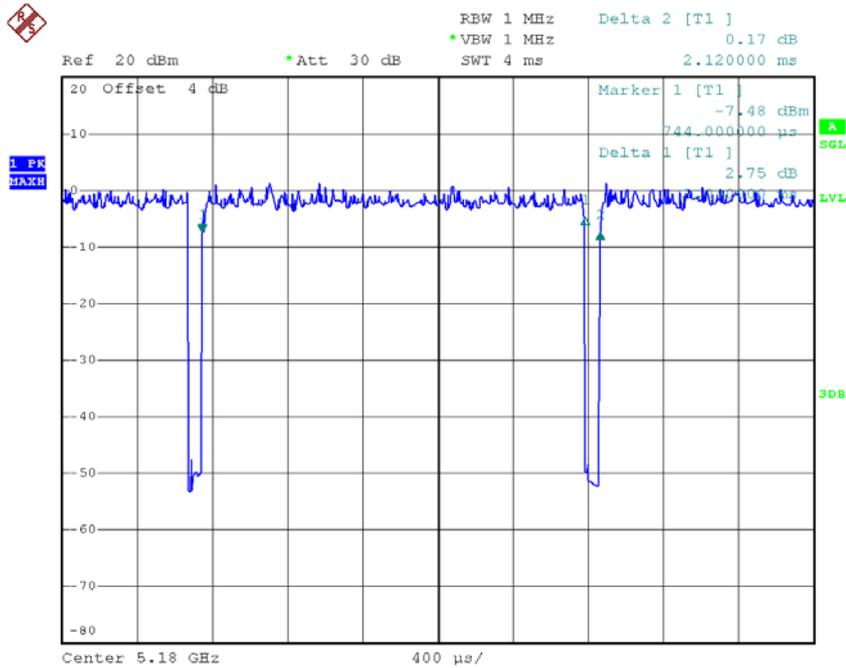
T_{ON} :2.04msec

T_{Total} :2.12msec

Duty cycle: 96.23%

Duty Factor= $10\log(1/Duty\ cycle)$

Duty Factor =0.17



Date: 11.OCT.2016 19:24:49

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as
 asOutput Power = Measured power + Ducus factor
 Power Spectral Density = Measured density + Duty factor

TX N20 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

Duty cycle = T_{ON} / T_{Total}

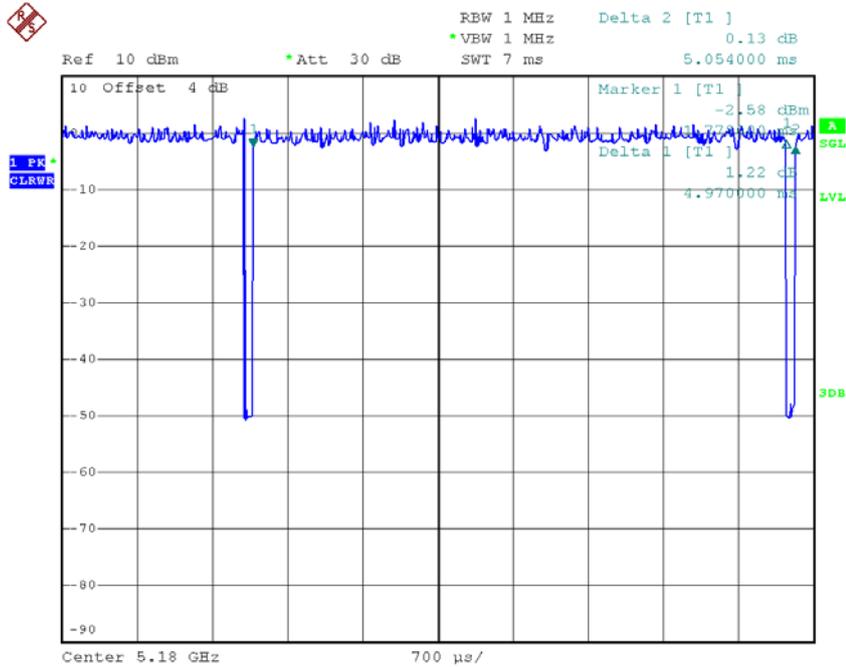
T_{ON} :4.97msec

T_{Total} :5.05msec

Duty cycle: 98.42%

Duty Factor= $10\log(1/Duty\ cycle)$

Duty Factor =0.07



Date: 11.OCT.2016 19:27:40

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as
 asOutput Power = Measured power + Ducus factor
 Power Spectral Density = Measured density + Duty factor

TX N40 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

Duty cycle = T_{ON} / T_{Total}

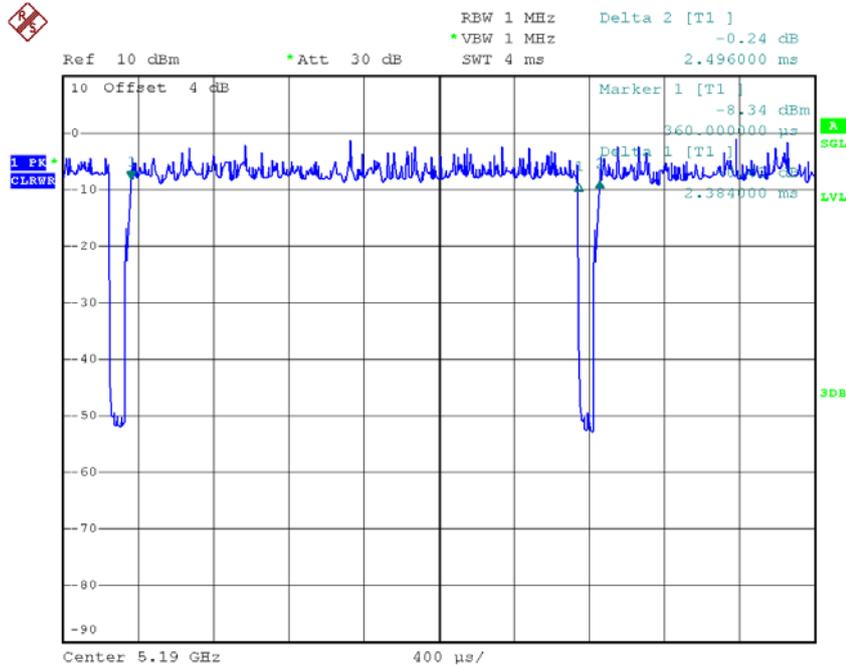
T_{ON} :2.38msec

T_{Total} :2.50msec

Duty cycle: 95.20%

Duty Factor= $10\log(1/\text{Duty cycle})$

Duty Factor =0.21



Date: 11.OCT.2016 19:29:32

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is less than 98 %, so, the output power and power density should be cacluated as
 asOutput Power = Measured power + Ducus factor
 Power Spectral Density = Measured density + Duty factor

TX AC20 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

Duty cycle = T_{ON} / T_{Total}

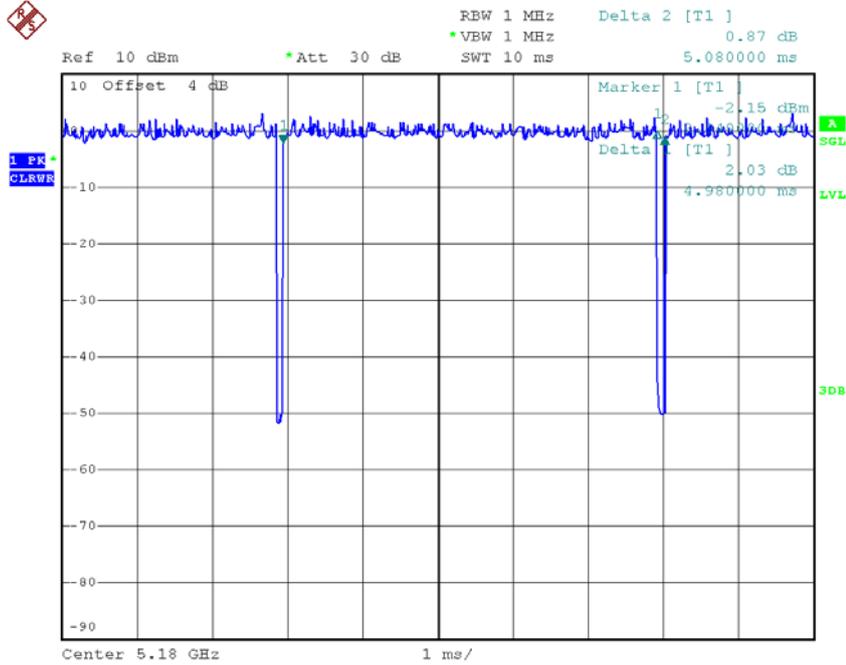
T_{ON} :4.98msec

T_{Total} :5.08msec

Duty cycle: 98.03%

Duty Factor= $10\log(1/Duty\ cycle)$

Duty Factor =0.09



Date: 11.OCT.2016 19:28:41

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated

asOutput Power = Measured power + Ducus factor

Power Spectral Density = Measured density + Duty factor

TX AC40 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

Duty cycle = T_{ON} / T_{Total}

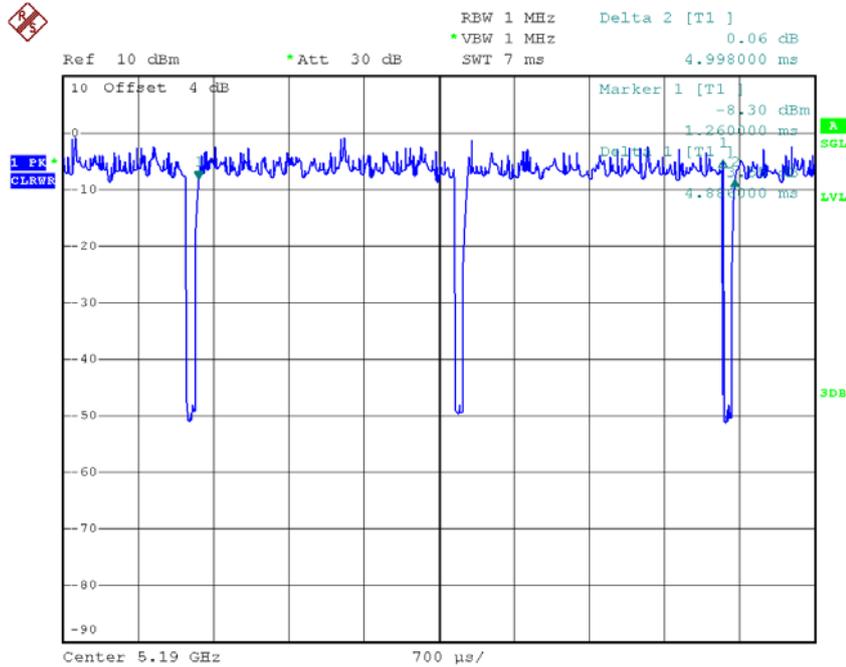
T_{ON} :4.89msec

T_{Total} :5.00msec

Duty cycle: 97.80%

Duty Factor= $10\log(1/\text{Duty cycle})$

Duty Factor =0.10



Date: 11.OCT.2016 19:29:50

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as
 asOutput Power = Measured power + Ducus factor
 Power Spectral Density = Measured density + Duty factor

TX AC80 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

Duty cycle = T_{ON} / T_{Total}

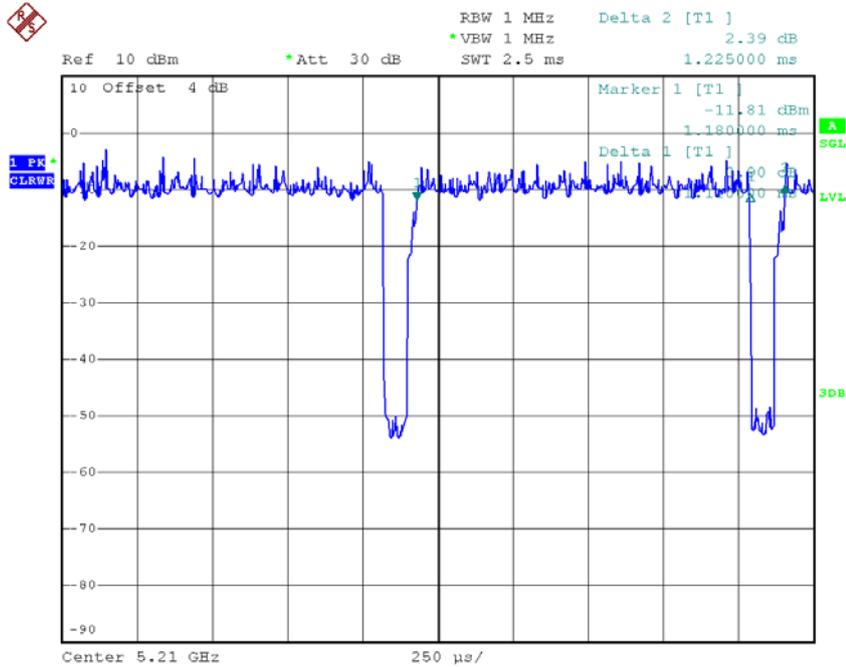
T_{ON} :1.11msec

T_{Total} :1.22msec

Duty cycle: 90.98%

Duty Factor= $10\log(1/Duty\ cycle)$

Duty Factor =0.41



Date: 11.OCT.2016 19:31:05

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as
 asOutput Power = Measured power + Ducus factor
 Power Spectral Density = Measured density + Duty factor

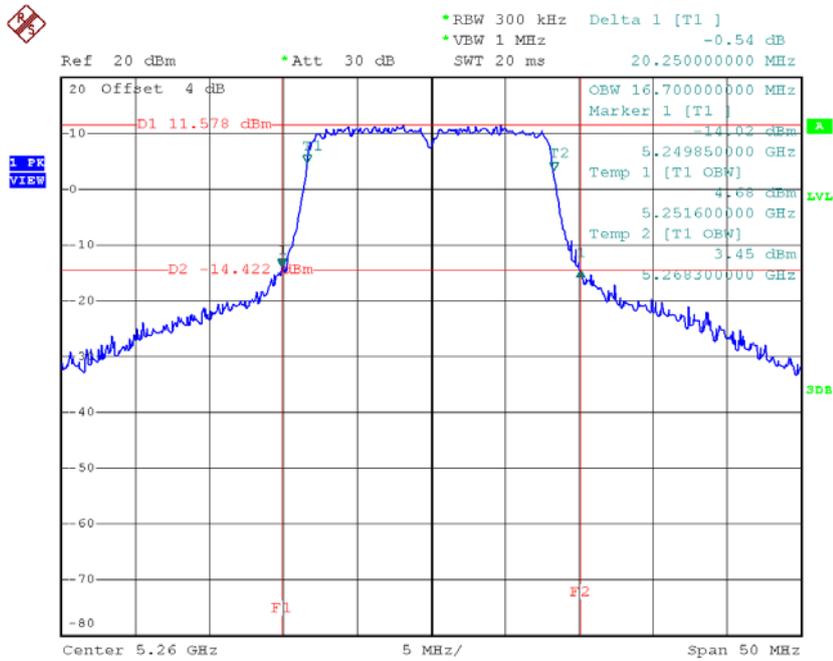
ATTACHMENT E -BANDWIDTH

For 1TX Non-Beamforming

Test Mode: UNII-2A/TX A Mode_CH52/CH60/CH64

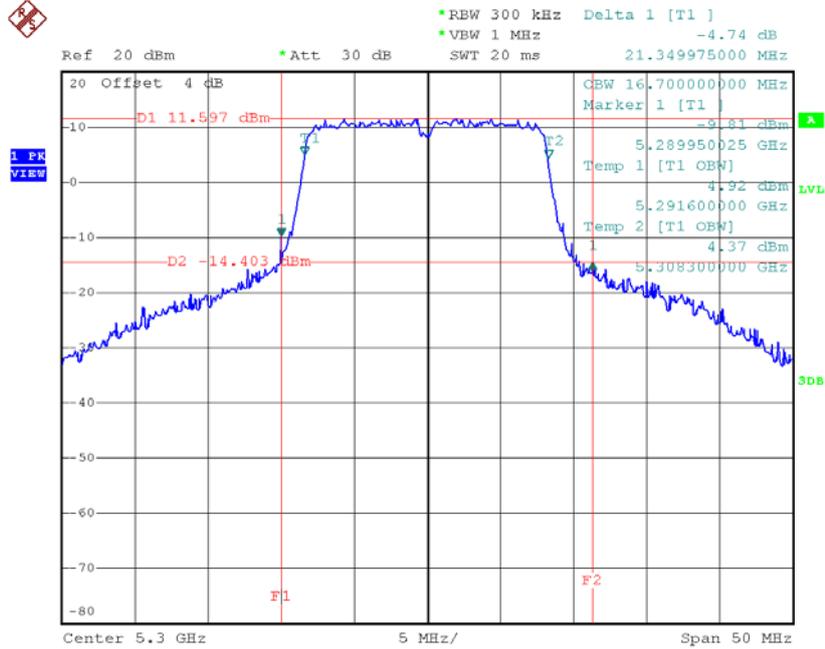
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH52	5260	20.25	16.70
CH60	5300	21.35	16.70
CH64	5320	20.39	16.70

TX CH52



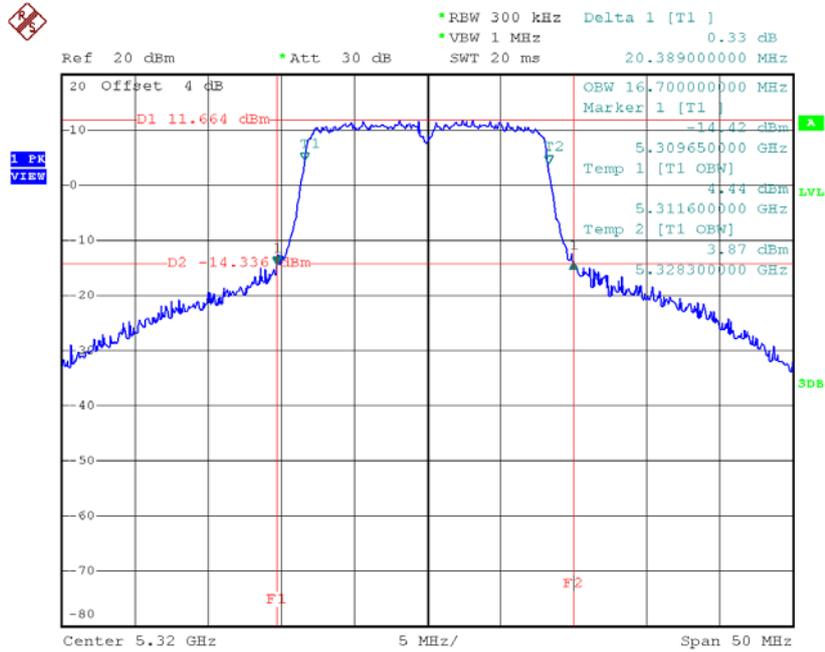
Date: 11.OCT.2016 14:09:01

TX CH60



Date: 11.OCT.2016 14:09:57

TX CH64



Date: 11.OCT.2016 14:10:48