FCC Radio Test Report

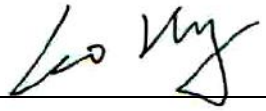
FCC ID: X4Y20006

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

Project No.	:	1412C242
Equipment	:	Zenit1200 Dual-Band Wireless AC USB Adapter
Model Name	:	AULUB905U1
Applicant	:	NEXXT SOLUTIONS
Address	:	3505 N.W 107TH AVE, MIAMI, FL, 33178

Date of Receipt	:	Dec. 30, 2014
Date of Test	:	Dec. 30, 2014~Jan. 27, 2015
Issued Date	:	Jan. 28, 2015
Tested by	:	BTL Inc.

Testing Engineer :  (David Mao)

Technical Manager :  (Leo Hung)

Authorized Signatory :  (Steven Lu)

B T L I N C .

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Declaration

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

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Limitation

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

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1412C242	Original Issue.	Jan. 28, 2015

1. CERTIFICATION

Equipment	:	Zenit1200 Dual-Band Wireless AC USB Adapter
Brand Name	:	NEXXT
Model Name	:	AULUB905U1
Applicant	:	NEXXT SOLUTIONS
Date of Test	:	Dec. 30, 2014~Jan. 27, 2015
Test Sample	:	ENGINEERING SAMPLE
Standard(s)	:	FCC Part15, Subpart E(15.407) / ANSI C63.4: 2009 FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.

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-2-1412C242) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E			
Standard(s) Section FCC	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) FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **DG-C02/DG-CB03** at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China. 523792
BTL's test firm number for FCC: 319330

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ± **U**，where expended 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)	NOTE
DG-C02	CISPR	150 KHz ~ 30MHz	1.94	

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U，(B)	NOTE
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	

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Zenit1200 Dual-Band Wireless AC USB Adapter	
Brand Name	NEXXT	
Model Name	AULUB905U1	
Mode Different	N/A	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
	Modulation Type	DSSS,OFDM
	Bit Rate of Transmitter	900Mbps
	Output Power +Duty Factor (Max.)for UNII-1	802.11a: 7.98dBm 802.11n (20M): 7.97dBm 802.11n (40M): 7.94dBm 802.11ac (20M): 7.97dBm 802.11ac (40M): 7.92dBm 802.11ac (80M): 7.93dBm
	Output Power +Duty Factor (Max.)for UNII-3	802.11a: 7.47dBm 802.11n (20M): 7.45dBm 802.11n (40M): 7.44dBm 802.11ac (20M): 7.45dBm 802.11ac (40M): 7.47dBm 802.11ac (80M): 7.43dBm
	Output Power (Max.)for UNII-1	802.11a: 7.87dBm 802.11n (20M): 7.74dBm 802.11n (40M): 7.31dBm 802.11ac (20M): 7.80dBm 802.11ac (40M): 7.80dBm 802.11ac (80M): 7.75dBm
	Output Power (Max.)for UNII-3	802.11a: 7.36dBm 802.11n (20M): 7.22dBm 802.11n (40M): 6.81dBm 802.11ac (20M): 7.28dBm 802.11ac (40M): 7.35dBm 802.11ac (80M): 7.24dBm
Power Source	Supplied from USB Port	
Power Rating	DC 5V	

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-1		UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

802.11a 802.11n 20MHz 802.11ac 20MHz		802.11n 40MHz 802.11ac 40MHz		802.11ac 80MHz	
UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Chann l	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

3. Antenna Specification:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	N/A	N/A	Printed	N/A	3.00	TX/RX
2	N/A	N/A	Printed	N/A	3.00	TX/RX

Note: (1)The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R). All transmit signals are completely uncorrelated, then, Direction gain = G_{ANT}, that is Directional gain=3.
(2)ANT1 is the worst for 1TX.

4.

Operating Mode / TX Mode	1TX	2TX
802.11a	V (ANT 1)	-
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)
802.11ac (80MHz)	-	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 Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N40 Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC40 Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC80 Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 8	TX N20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX N40 Mode / CH151,CH159 (UNII-3)
Mode 10	TX AC20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC40 Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC80 Mode / CH155 (UNII-3)
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 25	TX Mode

For Radiated Test	
Final Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N40 Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 5	TX AC40 Mode / CH38, CH46 (UNII-1)
Mode 6	TX AC80 Mode / CH42 (UNII-1)
Mode 7	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 8	TX N20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 9	TX N40 Mode / CH151,CH159 (UNII-3)
Mode 10	TX AC20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX AC40 Mode / CH151,CH159 (UNII-3)
Mode 12	TX AC80 Mode / CH155 (UNII-3)

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

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

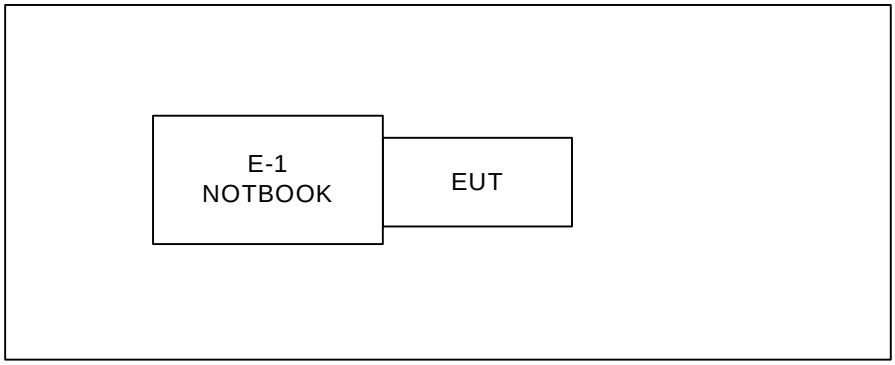
UNII-1			
Test Software Version	ART		
Frequency (MHz)	5180	5200	5240
A Mode	48	48	48
N20 Mode	31	31	31
Frequency (MHz)	5190	5230	
N40 Mode	32	32	

UNII-3			
Test Software Version	ART		
Frequency (MHz)	5745	5785	5825
A Mode	56	52	50
N20 Mode	42	41	39
Frequency (MHz)	5755	5795	
N40 Mode	44	43	

UNII-1			
Test Software Version	ART		
Frequency (MHz)	5180	5200	5240
AC20 Mode	32	33	35
Frequency (MHz)	5190	5230	
AC40 Mode	31	31	
Frequency (MHz)	5210		
AC80 Mode	33		

UNII-3			
Test Software Version	ART		
Frequency (MHz)	5745	5785	5825
AC20 Mode	45	44	42
Frequency (MHz)	5755	5795	
AC40 Mode	46	46	
Frequency (MHz)	5775		
AC80 Mode	49		

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID/IC	Series No.	Note
E-1	NOTEBOOK	DELL	INSPIRON 1420	DOC	JX193A01SDC2	

Item	Shielded Type	Ferrite Core	Length	Note
-	-	-	-	

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.

(3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
Margin Level = Measurement Value - Limit Value

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 ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

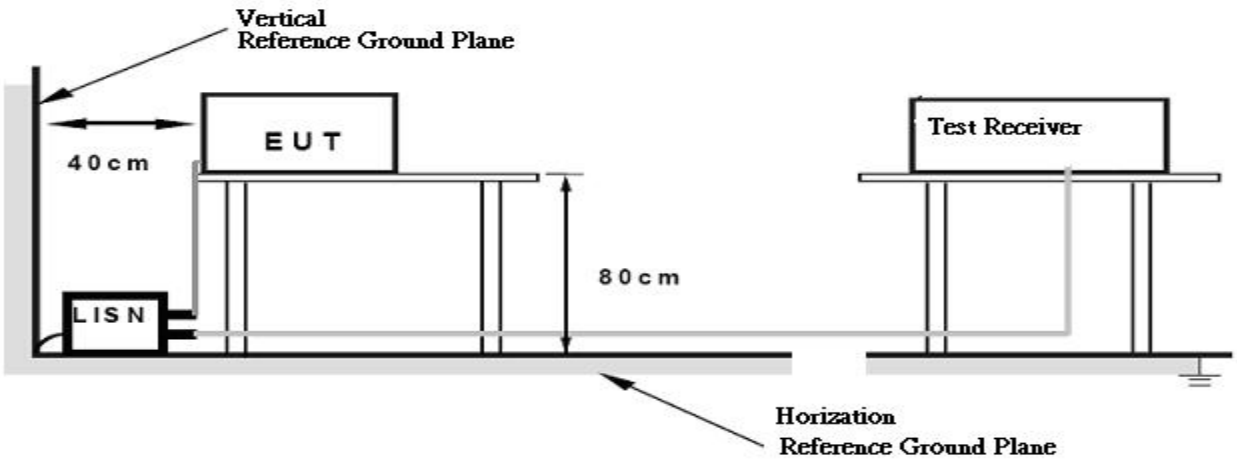
d. LISN at least 80 cm from nearest part of EUT chassis.

e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



4.1.5 EUT OPERATING CONDITIONS

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

4.1.6 EUT TEST CONDITIONS

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

4.1.7 TEST RESULTS

Please refer to the Attachment A.

Remark:

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

(2) Measuring frequency range from 150KHz to 30MHz。

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note:

(1) The limit for radiated test was performed according to FCC PART 15C.

(2) The tighter limit applies at the band edges.

(3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
Margin Level = Measurement Value - Limit Value

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequencies (MHz)	EIRP Limit (dBm)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.3
5725-5850	-27 (beyond 10MHz of the band edge)	68.3
	-17 (within 10 MHz of band edge)	78.3

Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength: $E = \frac{1000000\sqrt{30P}}{3}$ μV/m, where P is the eirp (Watts)

4.2.2 TEST PROCEDURE

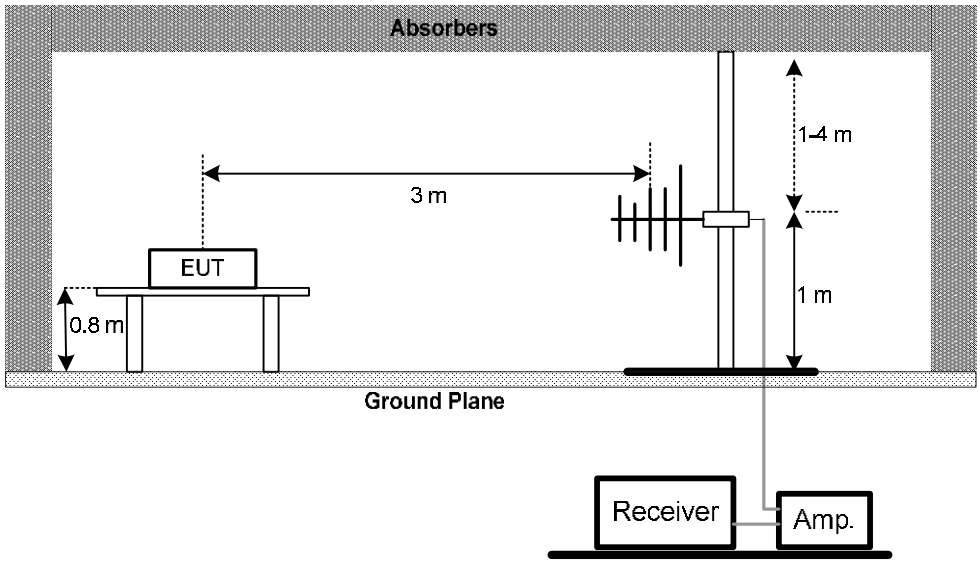
a. The measuring distance of at 3m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

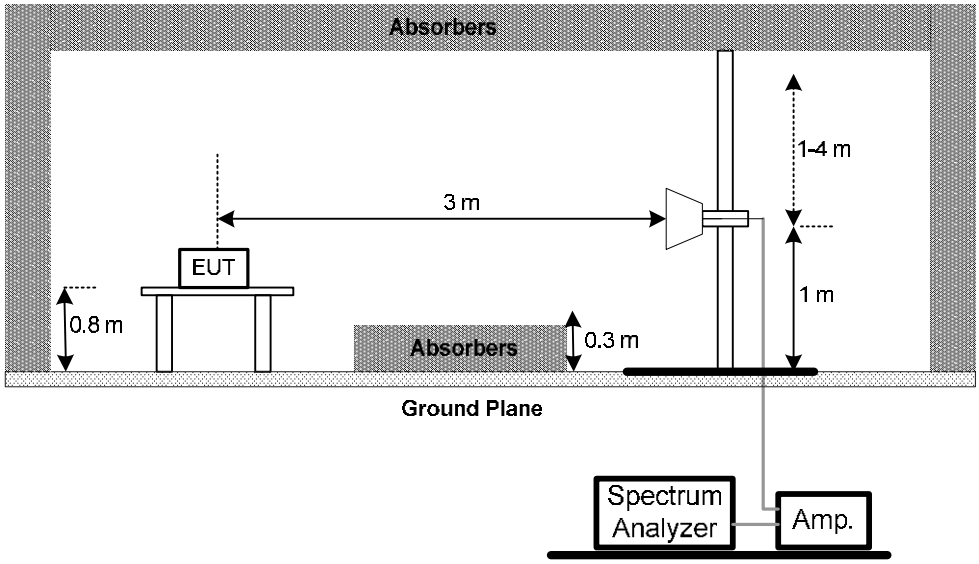
No deviation

4.2.4 TEST SETUP

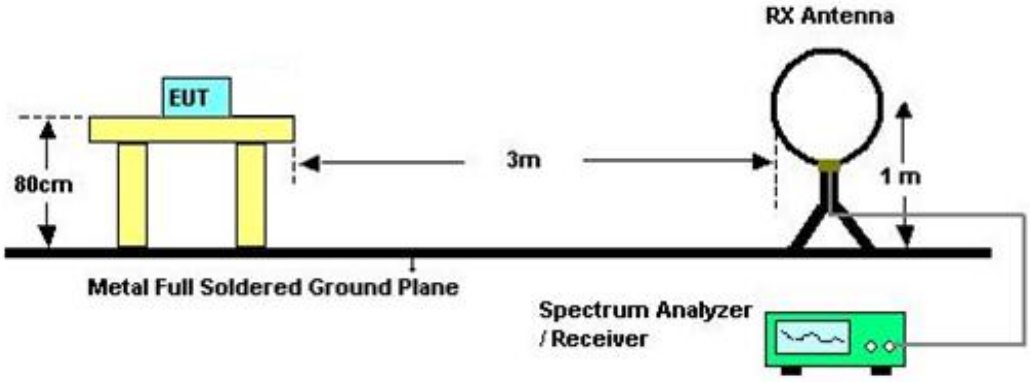
(A) Radiated Emission Test Set-Up Frequency30 - 1000MHz



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



(C) Radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

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

4.2.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: DC 5V

4.2.7 TEST RESULTS (9K TO 30MHz)

Please refer to the Attachment B

Remark:

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

4.2.8 TEST RESULTS (BETWEEN 30 TO 1000 MHz)

Please refer to the Attachment C.

Remark:

(1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz；SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz。
(2) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform。
(3) Measuring frequency range from 30MHz to 1000MHz。
(4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table。

4.2.9 TEST RESULTS (ABOVE 1000 MHz)

Please refer to the Attachment D.

Remark:

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

5. 26dB SPECTRUM BANDWIDTH

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Bandwidth	26 dB Bandwidth	5150-5250	PASS
	Minimum 500KHz 6dB Bandwidth	5725-5850	PASS

5.1.1 TEST PROCEDURE

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

b.

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

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP

5.1.4 EUT OPERATION CONDITIONS

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

5.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: DC 5V

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	Fixed:1 Watt (30dBm) Mobile and portable: 250mW (24dBm)	5150-5250	PASS
	1 Watt (30dBm)	5725-5850	PASS

6.1.1 TEST PROCEDURE

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

b.

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

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

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP

6.1.4 EUT OPERATION CONDITIONS

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

6.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: DC 5V

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Antenna conducted Spurious Emission	-27dBm/MHz	5150-5250	PASS
	Below -17dBm/MHz within 10MHz of band edge, below -27dBm/MHz beyond 10MHz of the band edge	5725-5850	PASS

7.1.1 TEST PROCEDURE

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

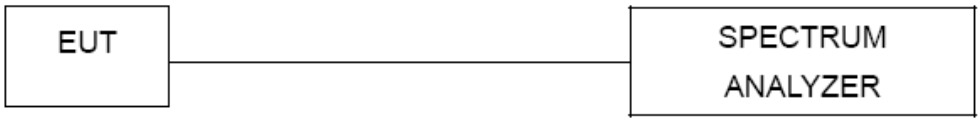
b.

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

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 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.

7.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: DC 5V

7.1.6 TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Power Spectral Density	Other then Mobile and portable:17dBm/MHz Mobile and portable:11dBm/MHz	5150-5250	PASS
	30dBm/500KHz	5725-5850	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) of the signal
RBW	= 1MHz.
VBW	≥ 3MHz.
Detector	RMS
Trace	Max Hold
Sweep Time	Auto

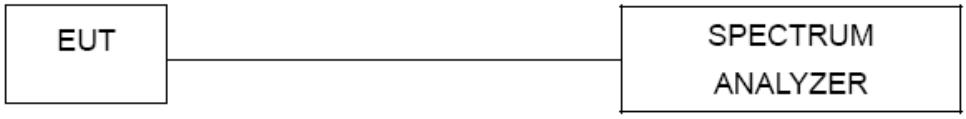
Note:

1. For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v01, 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 10log(500kHz/1MHz) which is -3dB. For example, if the measured value is +10dBm using RBW=1MHz (that is +10dBm/MHz), then the converted value will be +7dBm/500kHz.

8.1.1 DEVIATION FROM STANDARD

No deviation.

8.1.2 TEST SETUP



8.1.3 EUT OPERATION CONDITIONS

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

8.1.4 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: DC 5V

8.1.5 TEST RESULTS

Please refer to the Attachment H.

9. FREQUENCY STABILITY MEASUREMENT

9.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Frequency Stability	Specified in the user's manual	5150-5250	PASS
		5725-5850	PASS

9.1.1 TEST PROCEDURE

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

b.

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

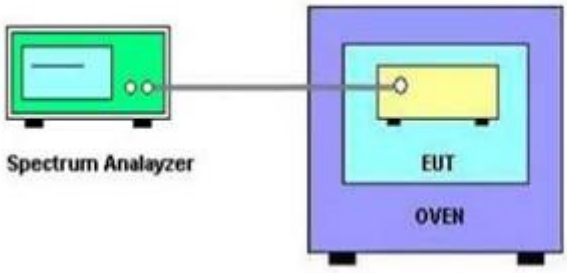
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is 0°C~40°C.

9.1.2 DEVIATION FROM STANDARD

No deviation.

9.1.3 TEST SETUP



9.1.4 EUT OPERATION CONDITIONS

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

9.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: DC 5V

9.1.6 TEST RESULTS

Please refer to the Attachment I.

10. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00052765	Mar. 29, 2015
2	LISN	R&S	ENV216	100087	Mar. 29, 2015
3	Test Cable	N/A	C_17	N/A	Mar. 14, 2015
4	EMI TEST RECEIVER	R&S	ESCS30	826547/022	Mar. 29, 2015
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Mar. 29, 2015
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. 29, 2015
2	Amplifier	HP	8447D	2944A09673	Mar. 29, 2015
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 30, 2015
4	Test Cable	N/A	C-01_CB03	N/A	Jul. 01, 2015
5	Controller	CT	SC100	N/A	N/A
6	Antenna	ETS	3115	00075789	Mar. 29, 2015
7	Amplifier	Agilent	8449B	3008A02274	Mar. 29, 2015
8	Receiver	AGILENT	N9038A	MY52130039	Sep. 30, 2015
9	Test Cable	HUBER+SUHNER	C-48	N/A	Apr. 30, 2015
10	Controller	CT	SC100	N/A	N/A
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Feb. 22, 2015
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Feb. 22, 2015
13	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Mar. 29, 2015
14	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	Nov. 02, 2015

Maximum Conducted Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Mar. 29, 2015
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Mar. 29, 2015

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015
2	Precision Oven Tester	HOLINK	H-T-1F-D	BA03101701	May. 24, 2015

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

10.1. EUT TEST PHOTOS

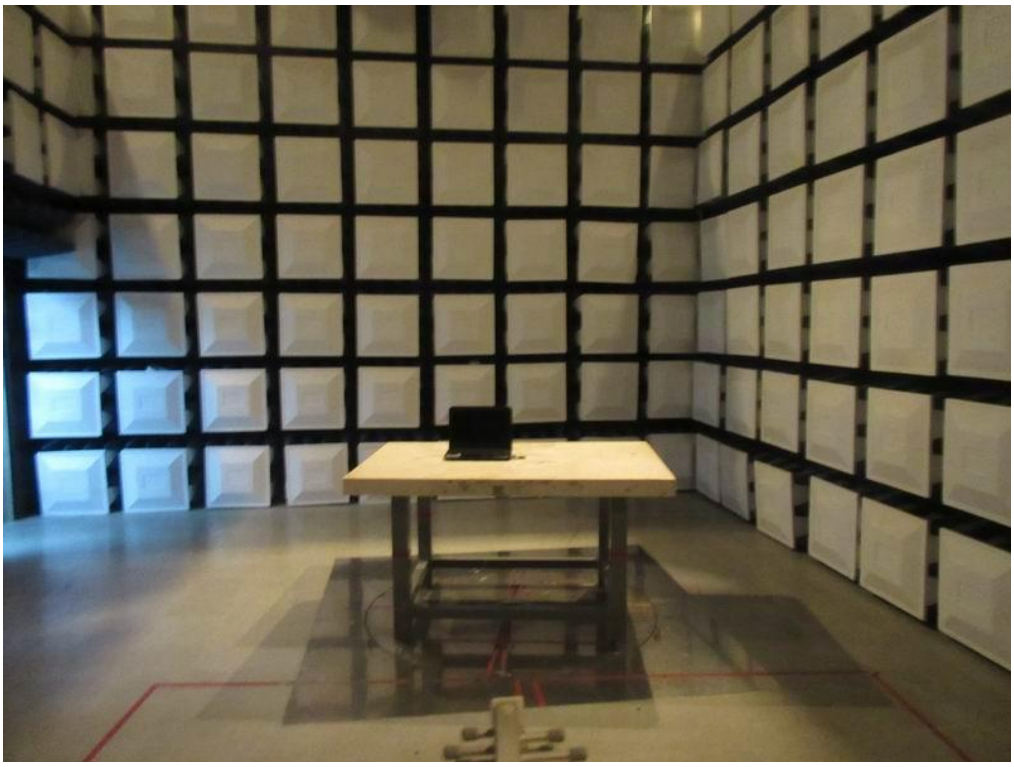
Conducted Measurement Photos

Radiated Measurement Photos

9KHz to 30MHz

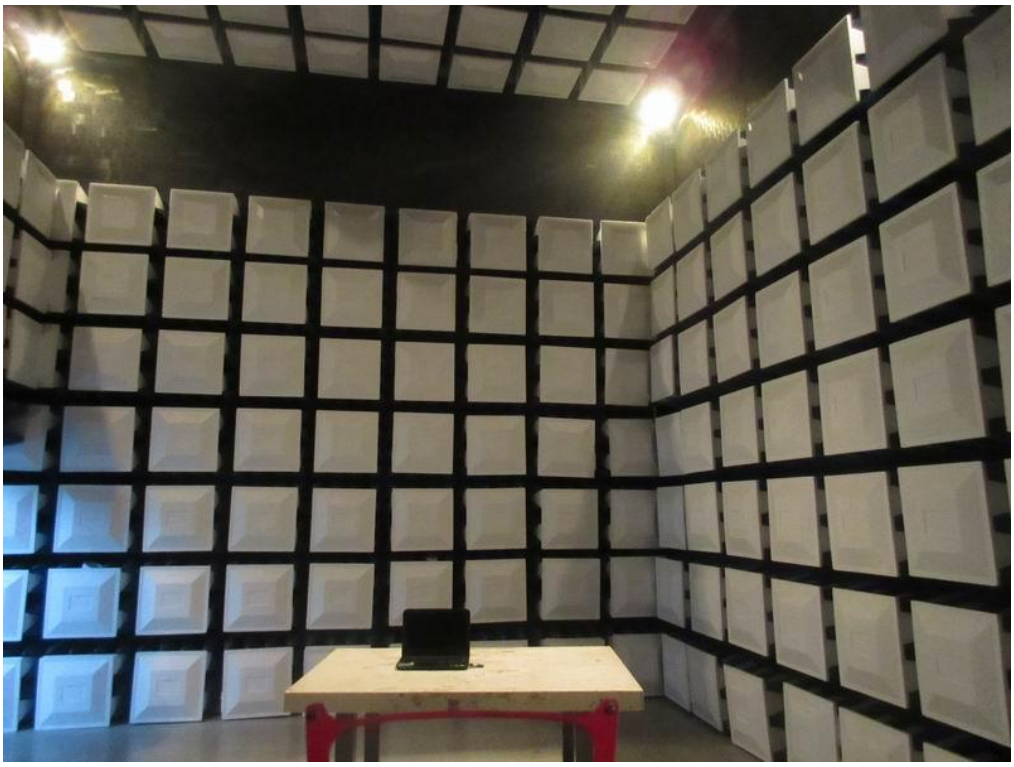
Radiated Measurement Photos

30MHz to 1000MHz



Radiated Measurement Photos

Above 1000MHz



ATTACHMENT A - CONDUCTED EMISSION

Test Mode:	TX MODE

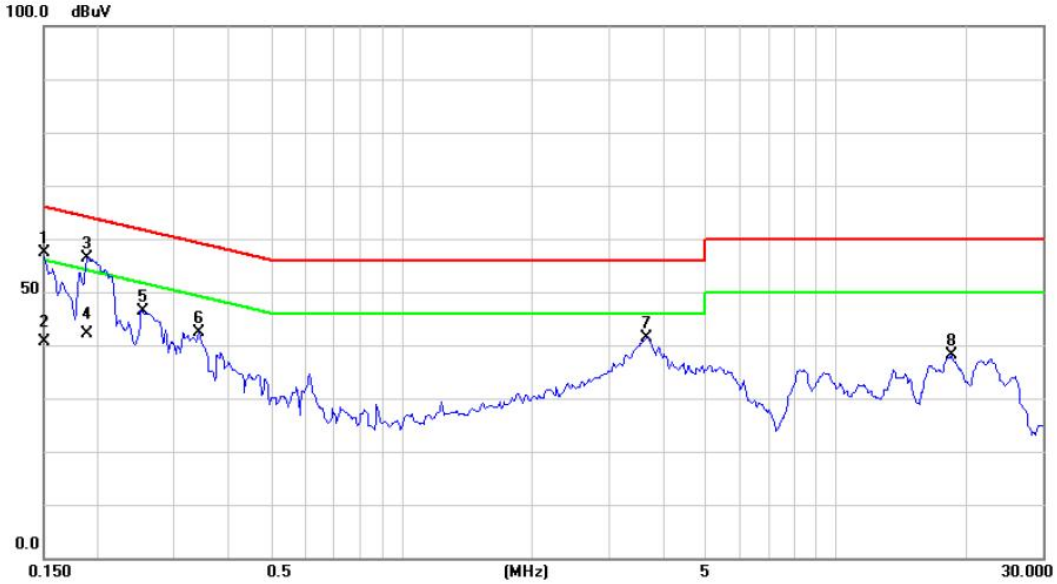
Line

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1540	45.22	9.52	54.74	65.78	-11.04	peak	
2		0.1540	29.80	9.52	39.32	55.78	-16.46	AVG	
3	*	0.1891	45.60	9.54	55.14	64.08	-8.94	peak	
4		0.1891	30.50	9.54	40.04	54.08	-14.04	AVG	
5		0.2516	36.48	9.55	46.03	61.70	-15.67	peak	
6		0.3180	32.98	9.56	42.54	59.76	-17.22	peak	
7		3.6953	32.26	9.82	42.08	56.00	-13.92	peak	
8		18.2110	29.30	10.36	39.66	60.00	-20.34	peak	

Note：The test result has included the cable loss.

Test Mode:	TX MODE

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	47.96	9.52	57.48	66.00	-8.52	peak	
2		0.1500	31.20	9.52	40.72	56.00	-15.28	AVG	
3	*	0.1891	46.90	9.53	56.43	64.08	-7.65	peak	
4		0.1891	32.70	9.53	42.23	54.08	-11.85	AVG	
5		0.2535	36.76	9.54	46.30	61.64	-15.34	peak	
6		0.3414	32.76	9.55	42.31	59.17	-16.86	peak	
7		3.6641	31.60	9.80	41.40	56.00	-14.60	peak	
8		18.4648	27.56	10.59	38.15	60.00	-21.85	peak	

Note：The test result has included the cable loss.

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

Test Mode:	TX MODE

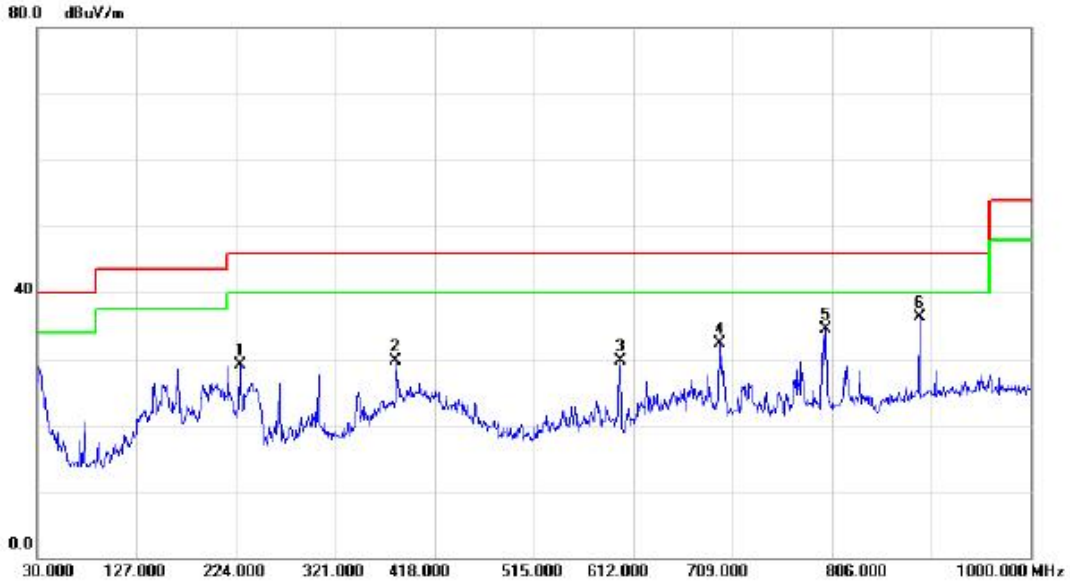
Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit(QP) (dBuV/m)	Margin (dB)	Note
0.0093	0°	14.31	24.30	38.61	128.23	-89.62	AVG
0.0093	0°	14.83	24.30	39.13	148.23	-109.10	PEAK
0.0235	0°	6.90	24.08	30.98	120.18	-89.20	AVG
0.0235	0°	8.20	24.08	32.28	140.18	-107.90	PEAK
0.0314	0°	3.17	23.58	26.75	117.67	-90.92	AVG
0.0314	0°	5.43	23.58	29.01	137.67	-108.66	PEAK
0.0427	0°	0.98	22.86	23.84	115.00	-91.15	AVG
0.0427	0°	2.49	22.86	25.35	135.00	-109.64	PEAK
0.4915	0°	17.43	19.82	37.25	73.77	-36.52	QP
1.7156	0°	20.76	19.53	40.29	69.54	-29.25	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit(QP) (dBuV/m)	Margin (dB)	Note
0.0094	90°	14.91	24.30	39.21	128.17	-88.96	AVG
0.0094	90°	15.86	24.30	40.16	148.17	-108.01	PEAK
0.0231	90°	7.83	24.10	31.93	120.33	-88.40	AVG
0.0231	90°	8.47	24.10	32.57	140.33	-107.76	PEAK
0.0319	90°	4.79	23.55	28.34	117.53	-89.19	AVG
0.0319	90°	5.26	23.55	28.81	137.53	-108.72	PEAK
0.0423	90°	1.06	22.89	23.95	115.08	-91.13	AVG
0.0423	90°	2.81	22.89	25.70	135.08	-109.38	PEAK
0.4917	90°	18.95	19.82	38.77	73.77	-35.00	QP
1.7151	90°	21.47	19.53	41.00	69.54	-28.54	QP

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

Test Mode:	UNII-1/TX A Mode 5180MHz

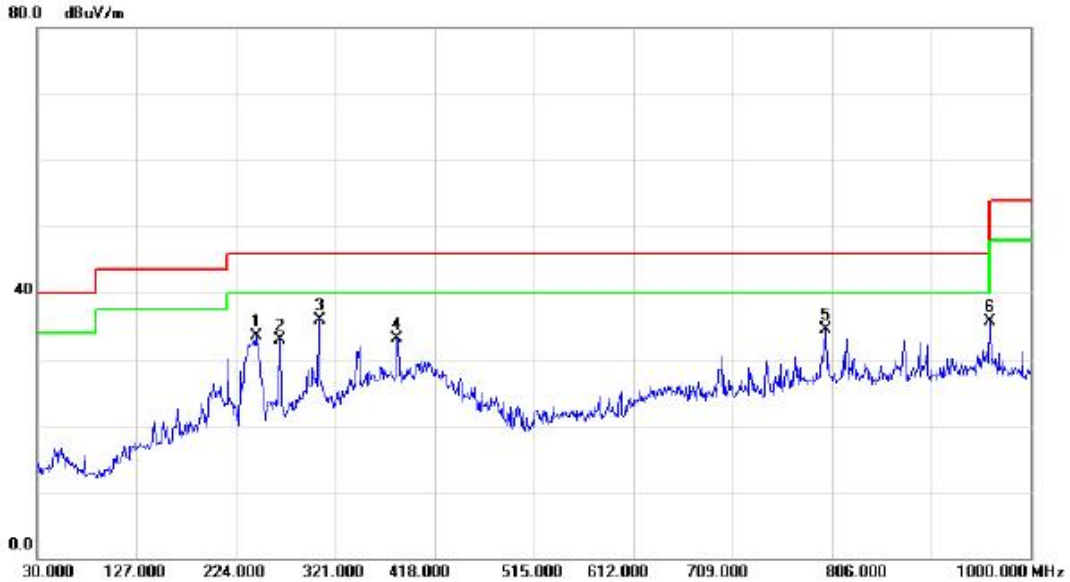
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		227.8800	43.38	-14.37	29.01	46.00	-16.99	peak	
2		380.1700	40.04	-10.42	29.62	46.00	-16.38	peak	
3		599.3900	37.64	-7.91	29.73	46.00	-16.27	peak	
4		696.3900	37.30	-4.95	32.35	46.00	-13.65	peak	
5		800.1800	37.30	-2.89	34.41	46.00	-11.59	peak	
6	*	891.3600	38.18	-1.81	36.37	46.00	-9.63	peak	

Test Mode:	UNII-1/TX A Mode 5180MHz

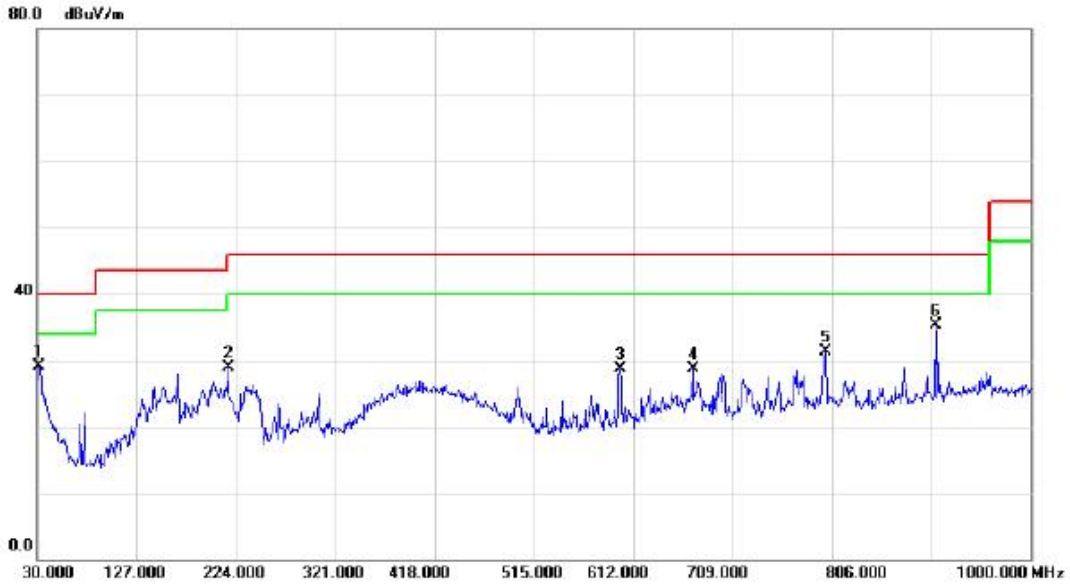
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		243.4000	47.62	-14.03	33.59	46.00	-12.41	peak	
2		267.6500	46.17	-13.34	32.83	46.00	-13.17	peak	
3	*	305.4800	46.90	-11.07	35.83	46.00	-10.17	peak	
4		381.1400	43.59	-10.39	33.20	46.00	-12.80	peak	
5		800.1800	37.45	-2.89	34.56	46.00	-11.44	peak	
6		960.2300	35.87	-0.25	35.62	54.00	-18.38	peak	

Test Mode:	UNII-1/TX A Mode 5200MHz

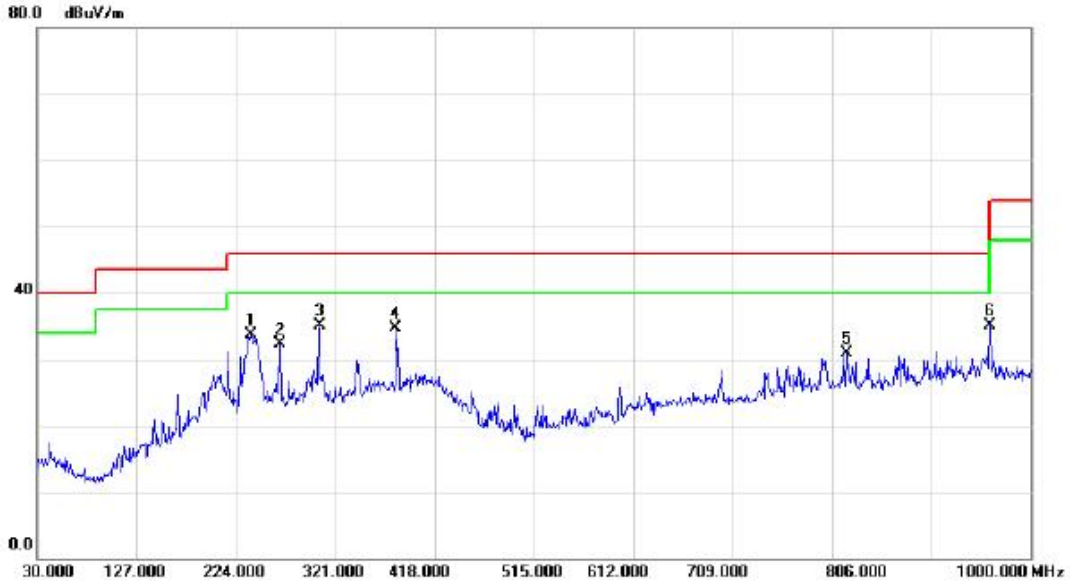
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		31.9400	44.43	-15.39	29.04	40.00	-10.96	peak	
2		216.2400	43.94	-15.08	28.86	46.00	-17.14	peak	
3		599.3900	36.67	-7.91	28.76	46.00	-17.24	peak	
4		670.2000	33.79	-5.06	28.73	46.00	-17.27	peak	
5		800.1800	34.24	-2.89	31.35	46.00	-14.65	peak	
6	*	906.8800	36.71	-1.34	35.37	46.00	-10.63	peak	

Test Mode:	UNII-1/TX A Mode 5200MHz

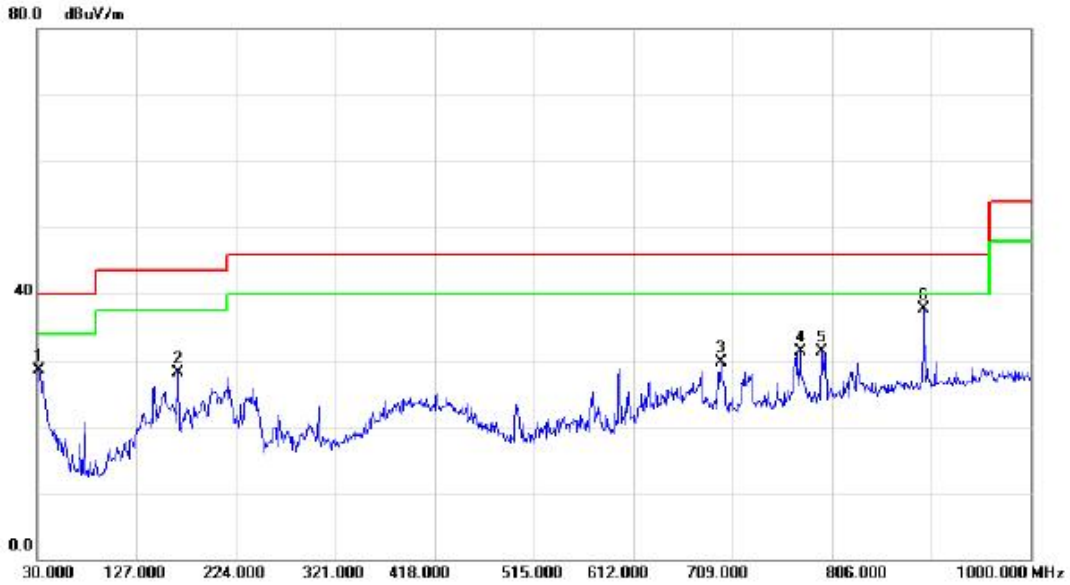
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		238.5500	47.82	-14.07	33.75	46.00	-12.25	peak	
2		267.6500	45.73	-13.34	32.39	46.00	-13.61	peak	
3	*	305.4800	46.17	-11.07	35.10	46.00	-10.90	peak	
4		380.1700	45.09	-10.42	34.67	46.00	-11.33	peak	
5		820.5500	33.91	-3.00	30.91	46.00	-15.09	peak	
6		960.2300	35.45	-0.25	35.20	54.00	-18.80	peak	

Test Mode:	UNII-1/TX A Mode 5240MHz

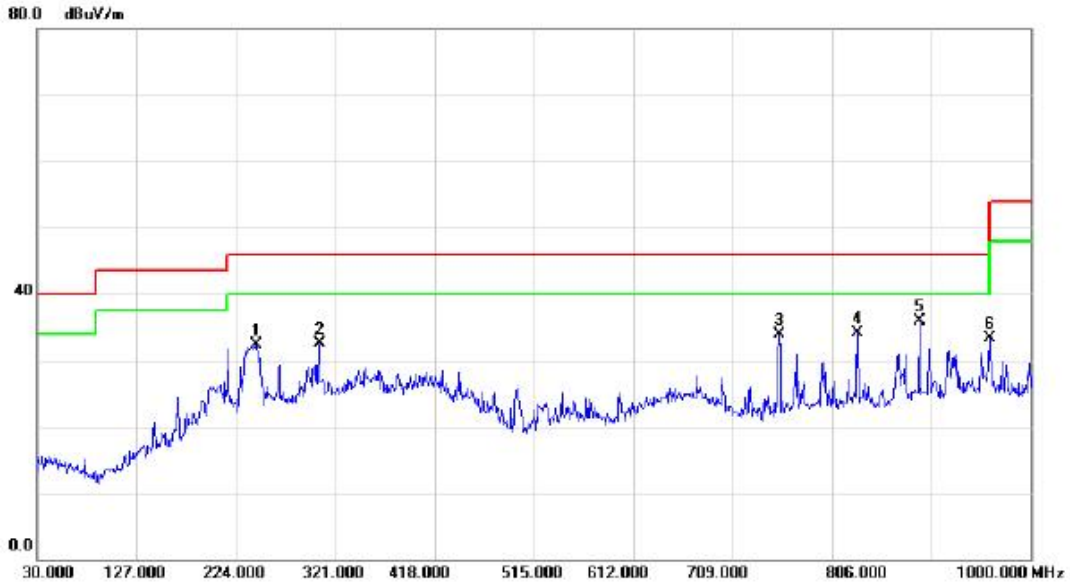
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		31.9400	43.97	-15.39	28.58	40.00	-11.42	peak	
2		167.7400	41.11	-13.00	28.11	43.50	-15.39	peak	
3		697.3600	34.73	-4.95	29.78	46.00	-16.22	peak	
4		774.9600	35.02	-3.76	31.26	46.00	-14.74	peak	
5		796.3000	34.28	-3.02	31.26	46.00	-14.74	peak	
6	*	896.2100	39.40	-1.66	37.74	46.00	-8.26	peak	

Test Mode:	UNII-1/TX A Mode 5240MHz

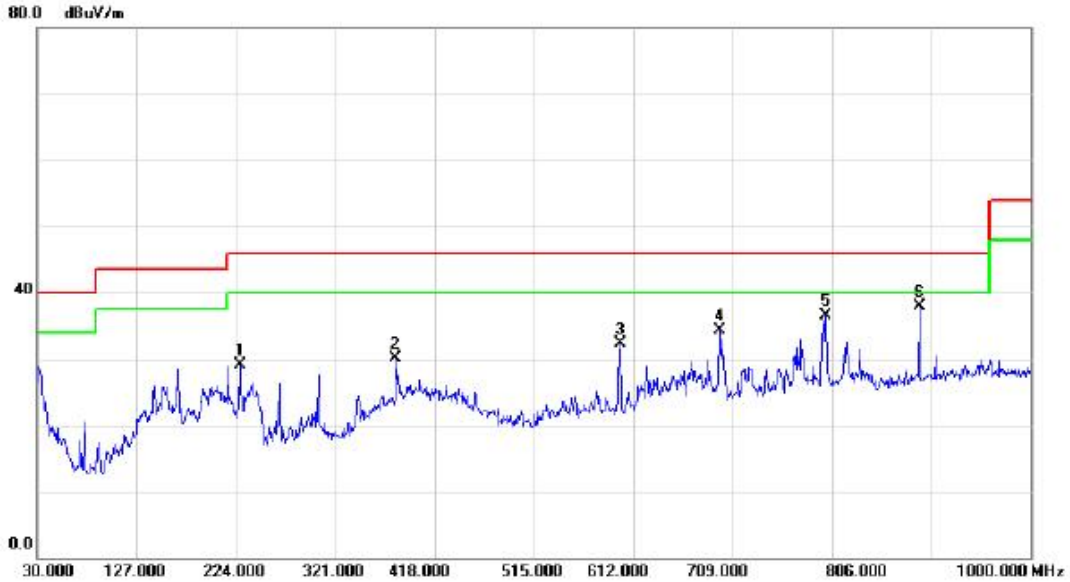
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		243.4000	46.40	-14.03	32.37	46.00	-13.63	peak	
2		305.4800	43.49	-11.07	32.42	46.00	-13.58	peak	
3		754.5900	38.36	-4.47	33.89	46.00	-12.11	peak	
4		831.2200	37.24	-3.05	34.19	46.00	-11.81	peak	
5	*	891.3600	37.79	-1.81	35.98	46.00	-10.02	peak	
6		960.2300	33.54	-0.25	33.29	54.00	-20.71	peak	

Test Mode:	UNII-3/TX A Mode 5745MHz

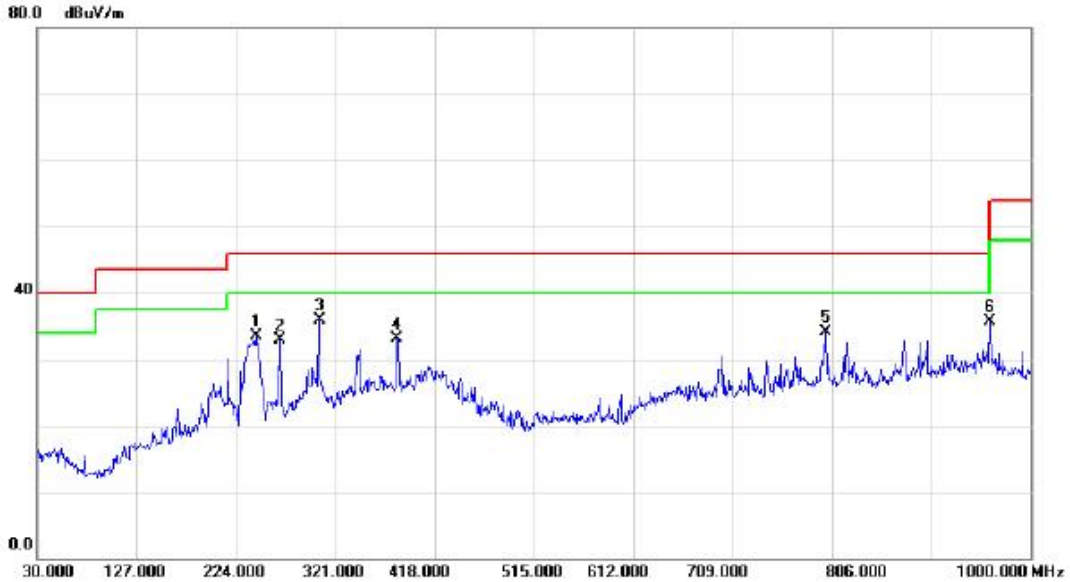
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		227.8800	43.38	-14.37	29.01	46.00	-16.99	peak	
2		380.1700	40.54	-10.42	30.12	46.00	-15.88	peak	
3		599.3900	40.14	-7.91	32.23	46.00	-13.77	peak	
4		696.3900	39.30	-4.95	34.35	46.00	-11.65	peak	
5		800.1800	39.30	-2.89	36.41	46.00	-9.59	peak	
6	*	891.3600	39.68	-1.81	37.87	46.00	-8.13	peak	

Test Mode:	UNII-3/TX A Mode 5745MHz

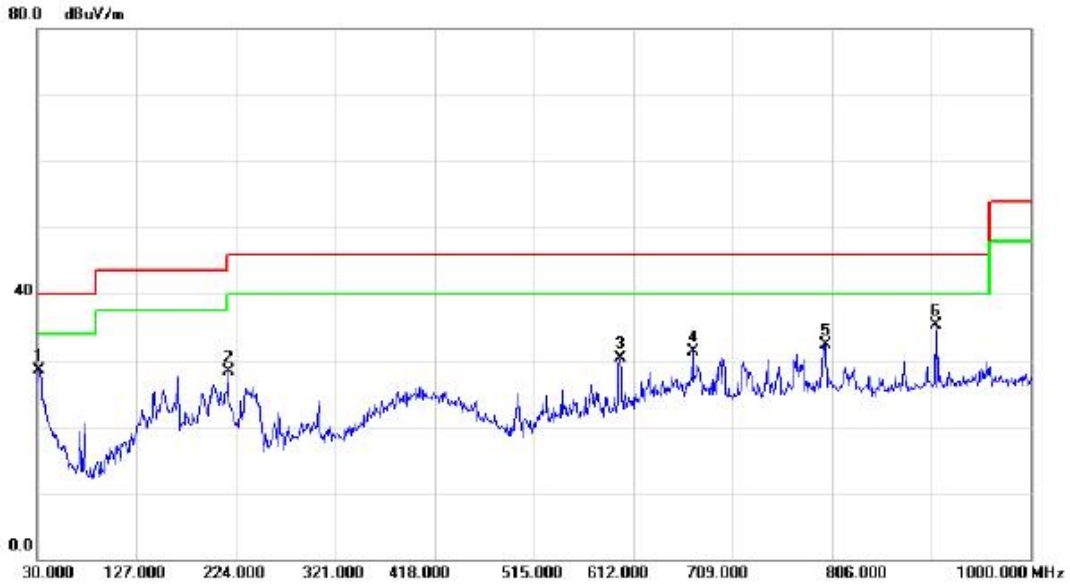
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		243.4000	47.62	-14.03	33.59	46.00	-12.41	peak	
2		267.6500	46.17	-13.34	32.83	46.00	-13.17	peak	
3	*	305.4800	46.90	-11.07	35.83	46.00	-10.17	peak	
4		381.1400	43.59	-10.39	33.20	46.00	-12.80	peak	
5		800.1800	36.95	-2.89	34.06	46.00	-11.94	peak	
6		960.2300	35.87	-0.25	35.62	54.00	-18.38	peak	

Test Mode:	UNII-3/TX A Mode 5785MHz

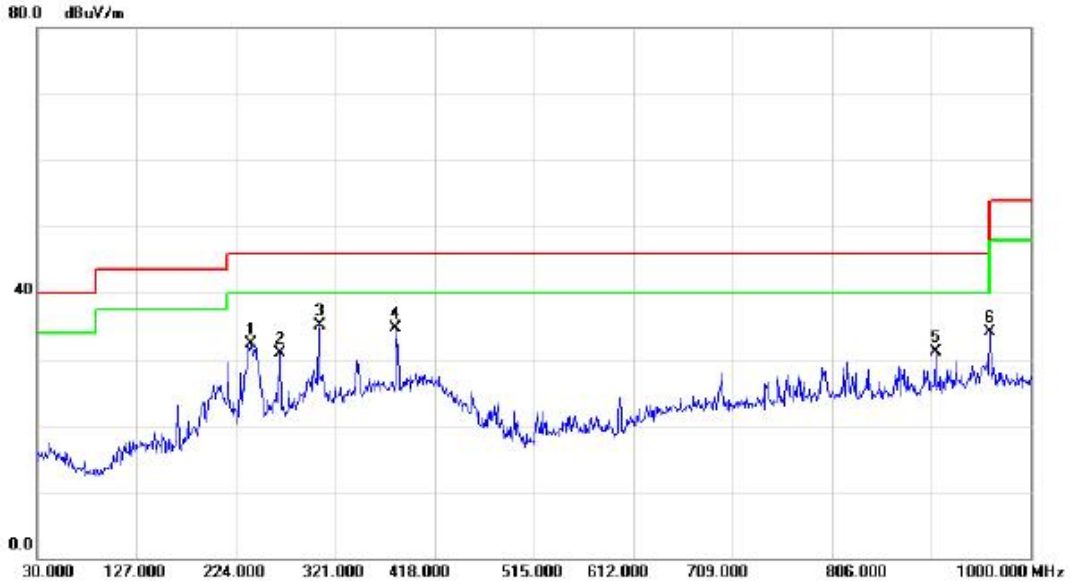
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		31.9400	43.93	-15.39	28.54	40.00	-11.46	peak	
2		216.2400	43.44	-15.08	28.36	46.00	-17.64	peak	
3		599.3900	38.17	-7.91	30.26	46.00	-15.74	peak	
4		670.2000	36.29	-5.06	31.23	46.00	-14.77	peak	
5		800.1800	35.24	-2.89	32.35	46.00	-13.65	peak	
6	*	906.8800	36.71	-1.34	35.37	46.00	-10.63	peak	

Test Mode:	UNII-3/TX A Mode 5785MHz

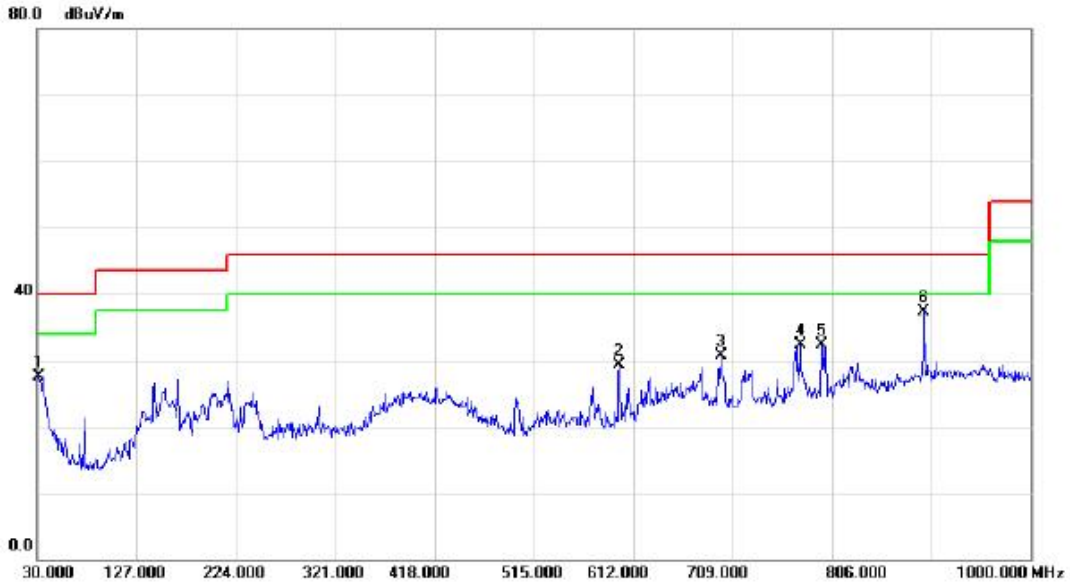
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		238.5500	46.32	-14.07	32.25	46.00	-13.75	peak	
2		267.6500	44.23	-13.34	30.89	46.00	-15.11	peak	
3	*	305.4800	46.17	-11.07	35.10	46.00	-10.90	peak	
4		380.1700	45.09	-10.42	34.67	46.00	-11.33	peak	
5		906.8800	32.53	-1.34	31.19	46.00	-14.81	peak	
6		960.2300	34.45	-0.25	34.20	54.00	-19.80	peak	

Test Mode:	UNII-3/TX A Mode 5825MHz

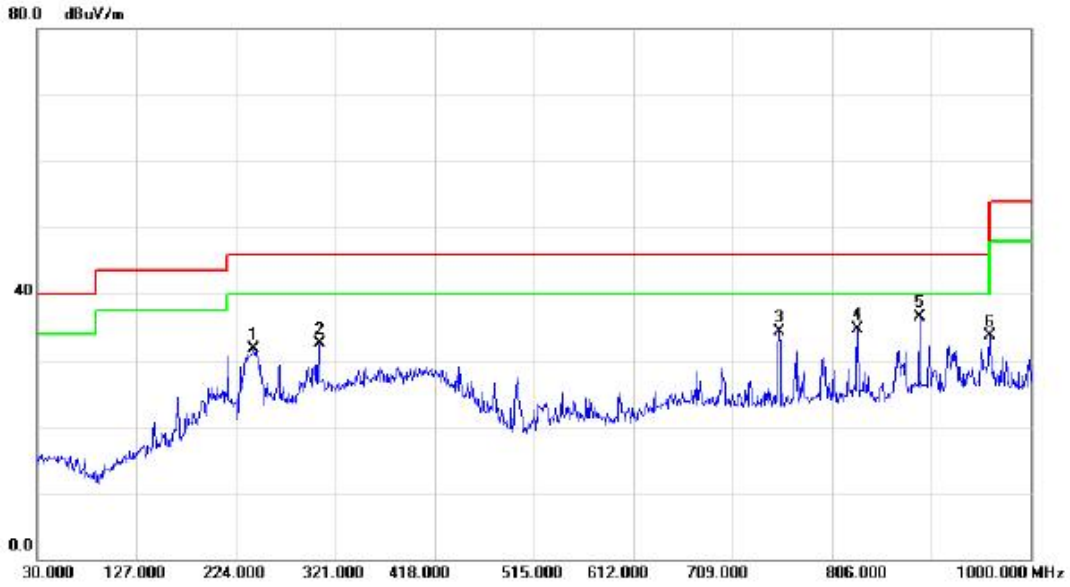
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		31.9400	42.97	-15.39	27.58	40.00	-12.42	peak	
2		598.4200	37.13	-7.91	29.22	46.00	-16.78	peak	
3		697.3600	35.73	-4.95	30.78	46.00	-15.22	peak	
4		774.9600	36.02	-3.76	32.26	46.00	-13.74	peak	
5		796.3000	35.28	-3.02	32.26	46.00	-13.74	peak	
6	*	896.2100	38.90	-1.66	37.24	46.00	-8.76	peak	

Test Mode:	UNII-3/TX A Mode 5825MHz

Horizontal

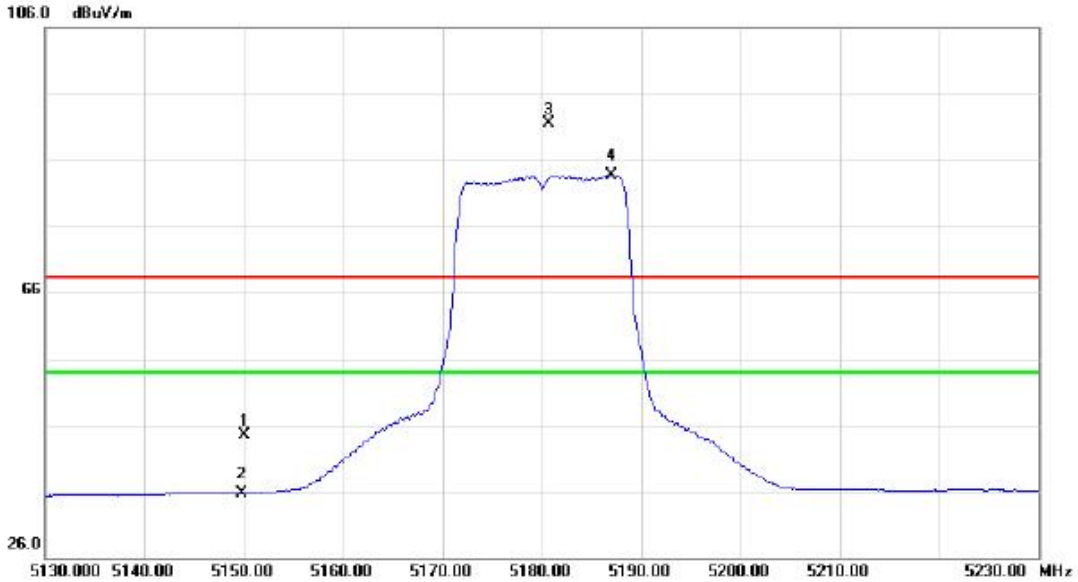


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		241.4600	45.73	-14.04	31.69	46.00	-14.31	peak	
2		305.4800	43.49	-11.07	32.42	46.00	-13.58	peak	
3		754.5900	38.86	-4.47	34.39	46.00	-11.61	peak	
4		831.2200	37.74	-3.05	34.69	46.00	-11.31	peak	
5	*	891.3600	38.29	-1.81	36.48	46.00	-9.52	peak	
6		960.2300	34.04	-0.25	33.79	54.00	-20.21	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5180MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	5.55	39.00	44.55	68.30	-23.75	peak	
2		5150.000	-3.35	39.00	35.65	54.00	-18.35	AVG	
3	X	5180.700	52.39	39.10	91.49	68.30	23.19	peak	no limit
4	*	5187.000	44.58	39.12	83.70	54.00	29.70	AVG	no limit

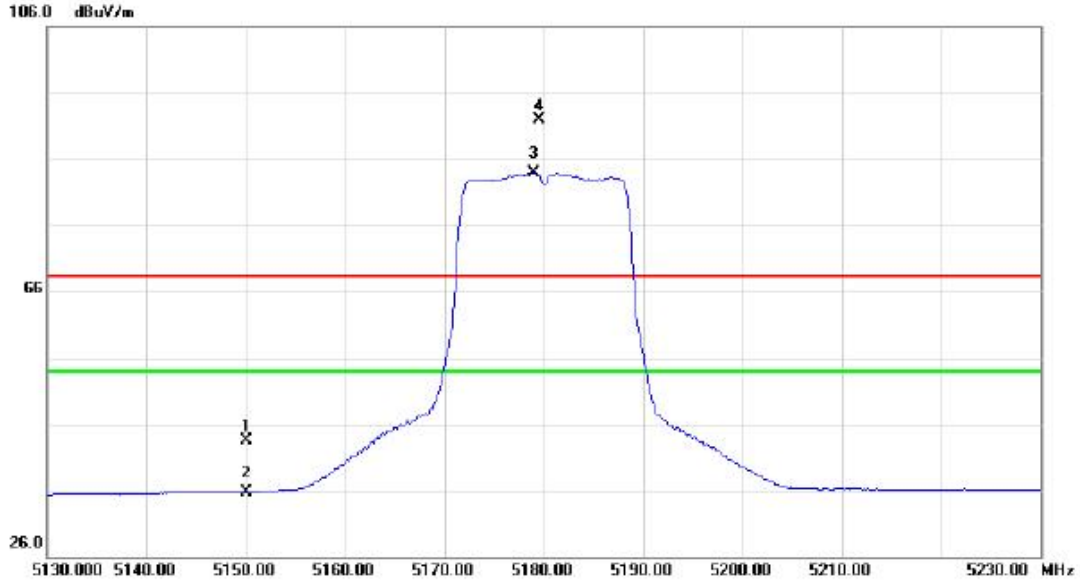
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5180MHz

Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10360.05	35.76	11.10	46.86	68.30	-21.44	peak	
2	*	10360.05	27.00	11.10	38.10	54.00	-15.90	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5180MHz

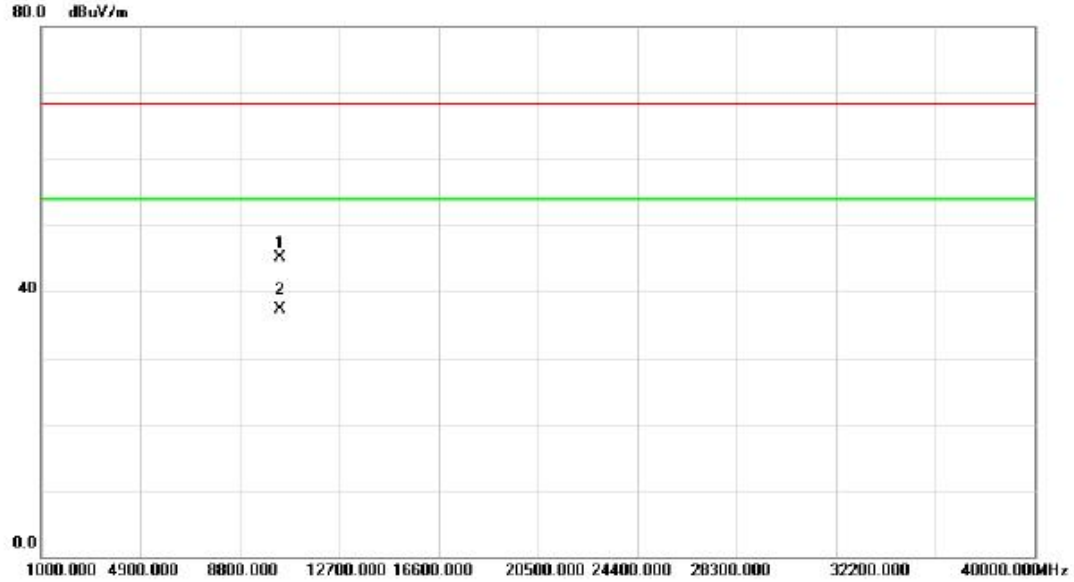
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	4.60	39.00	43.60	68.30	-24.70	peak	
2		5150.000	-3.28	39.00	35.72	54.00	-18.28	AVG	
3	*	5179.000	44.90	39.09	83.99	54.00	29.99	AVG	no limit
4	X	5179.500	52.78	39.10	91.88	68.30	23.58	peak	no limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5180MHz

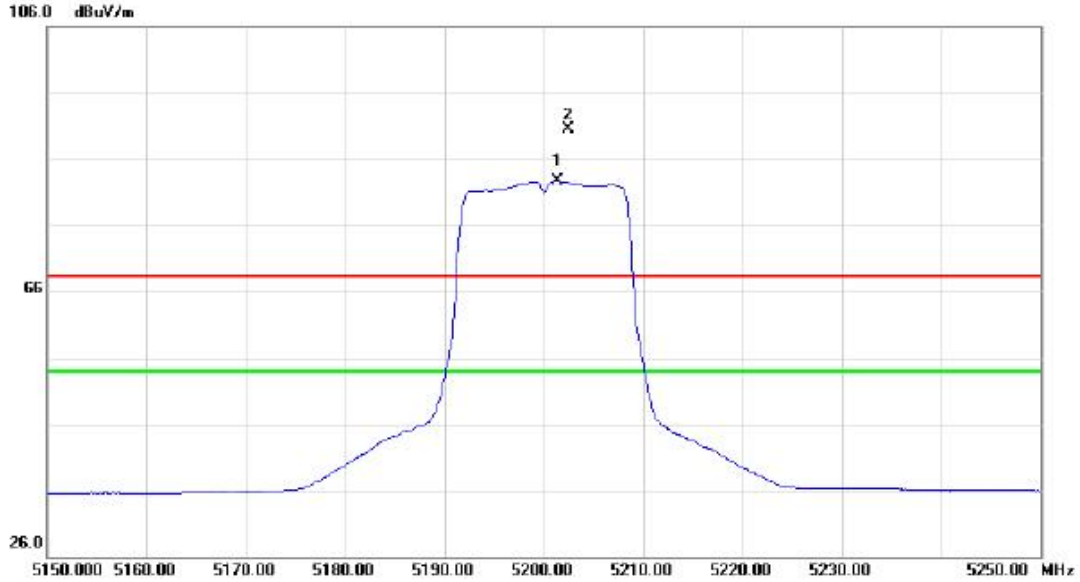
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10360.80	34.07	11.10	45.17	68.30	-23.13	peak	
2	*	10360.80	26.22	11.10	37.32	54.00	-16.68	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5200MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5201.400	43.50	39.17	82.67	54.00	28.67	AVG	no limit
2	X	5202.400	51.38	39.17	90.55	68.30	22.25	peak	no limit

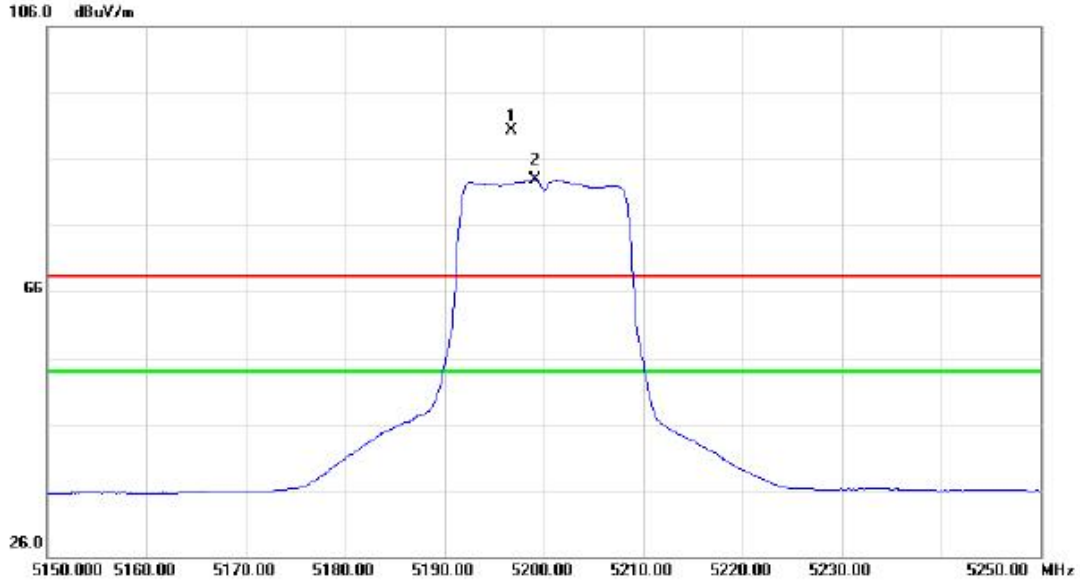
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5200MHz

Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10400.150	35.71	11.05	46.76	68.30	-21.54	peak	
2	*	10400.150	27.34	11.05	38.39	54.00	-15.61	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5200MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5196.700	51.16	39.15	90.31	68.30	22.01	peak	no limit
2	*	5199.100	43.66	39.16	82.82	54.00	28.82	AVG	no limit

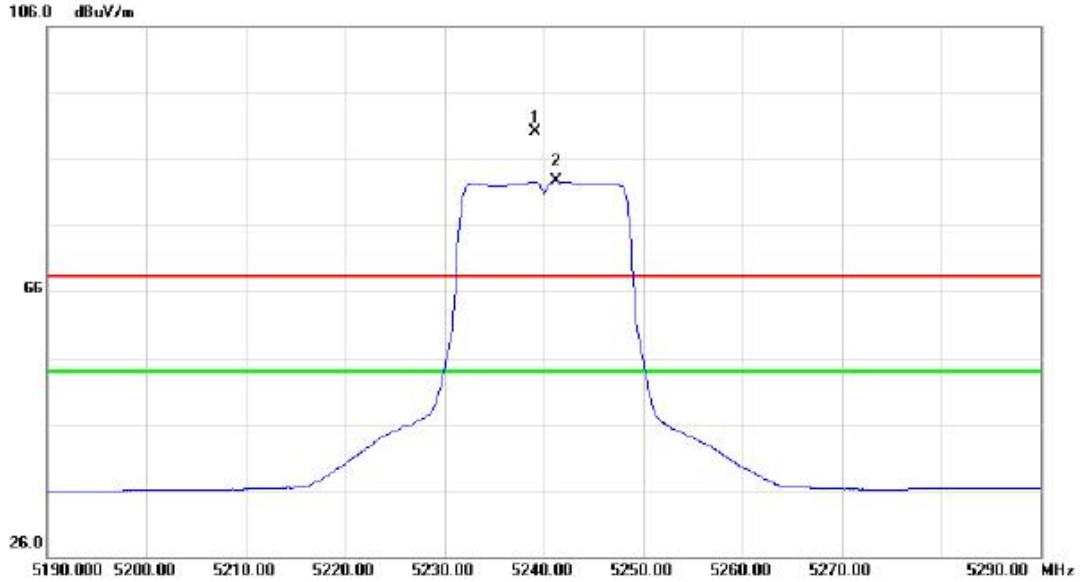
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5200MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10400.75	34.86	11.05	45.91	68.30	-22.39	peak	
2	*	10400.75	26.53	11.05	37.58	54.00	-16.42	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5240MHz

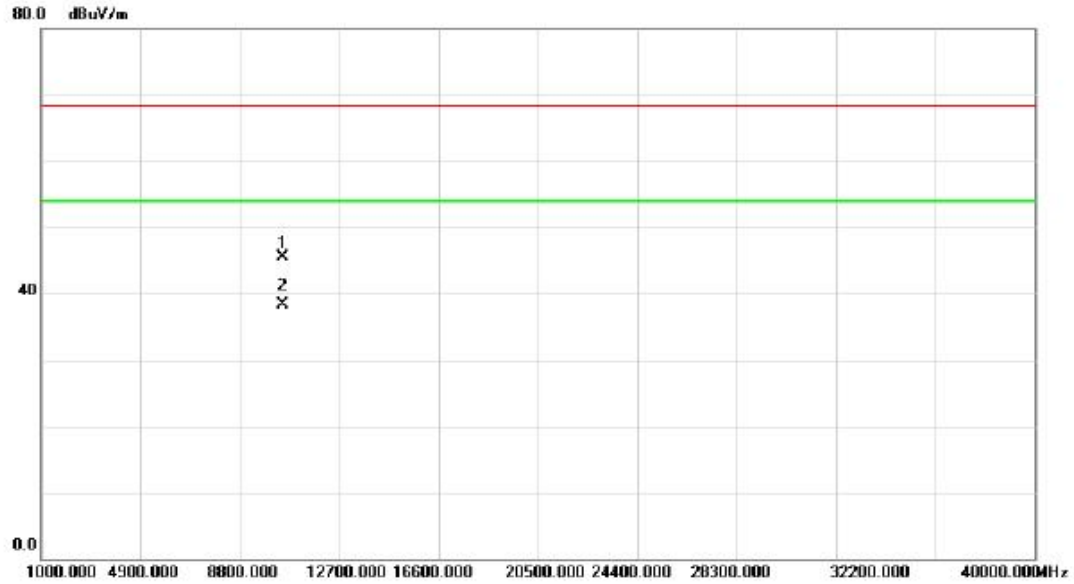
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5239.100	50.88	39.29	90.17	68.30	21.87	peak	no limit
2	*	5241.300	43.34	39.30	82.64	54.00	28.64	AVG	no limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5240MHz

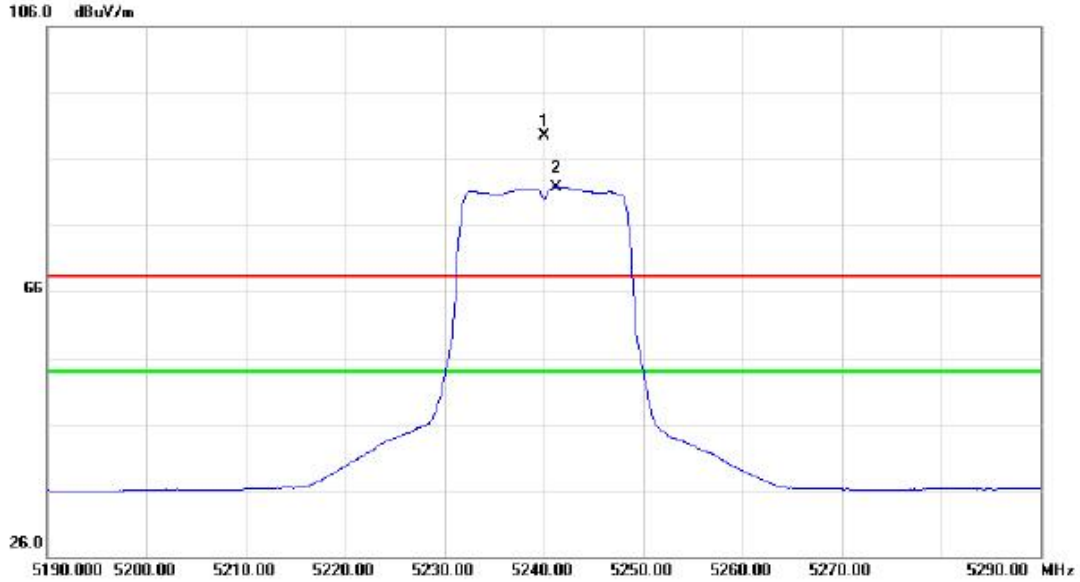
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10480.25	34.60	10.94	45.54	68.30	-22.76	peak	
2	*	10480.25	27.46	10.94	38.40	54.00	-15.60	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5240MHz

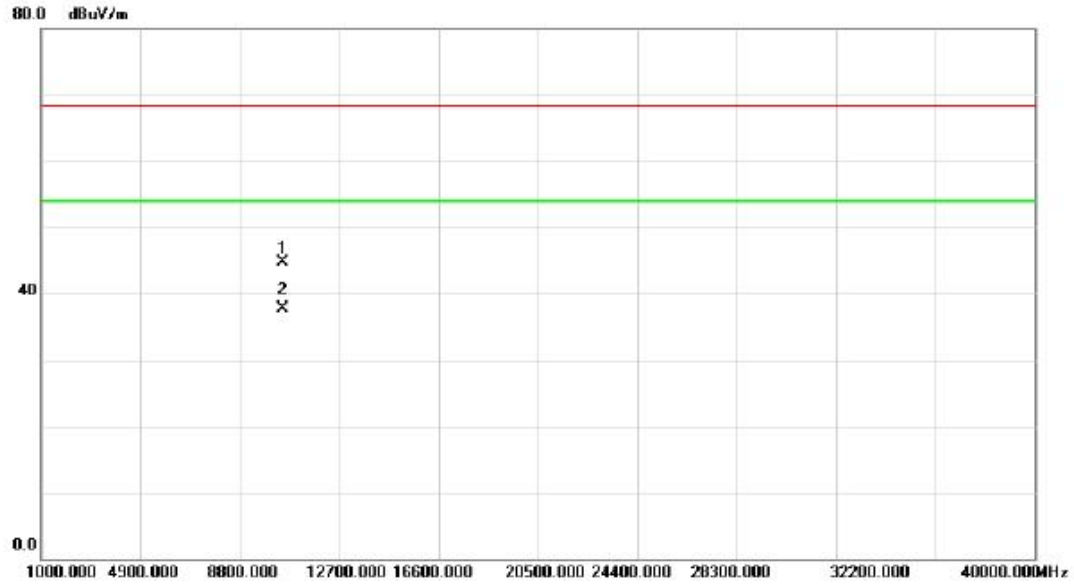
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5240.100	50.26	39.29	89.55	68.30	21.25	peak	no limit
2	*	5241.300	42.45	39.30	81.75	54.00	27.75	AVG	no limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX A Mode 5240MHz

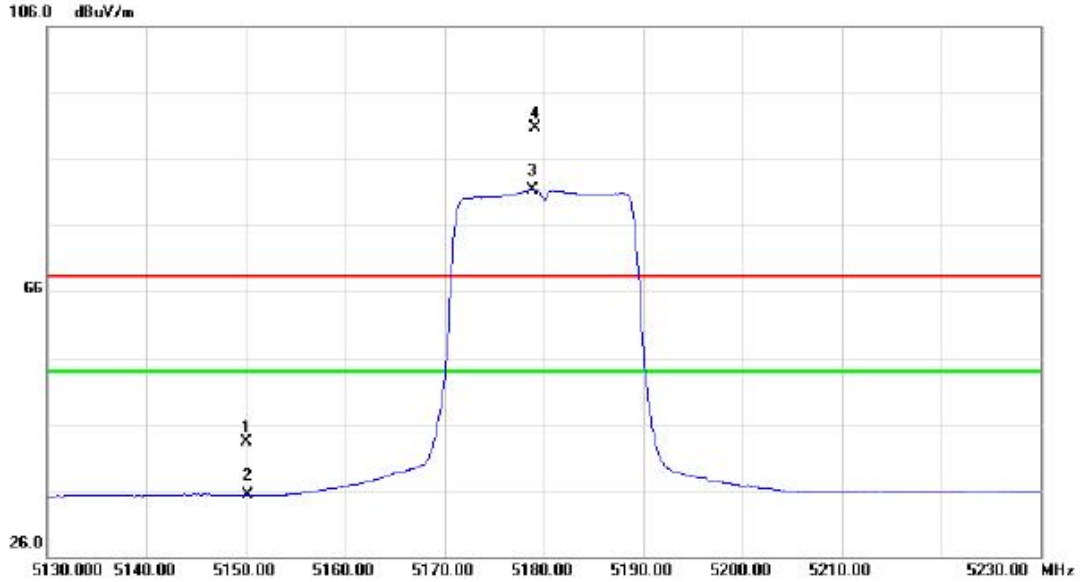
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10480.10	33.84	10.94	44.78	68.30	-23.52	peak	
2	*	10480.10	26.73	10.94	37.67	54.00	-16.33	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5180MHz

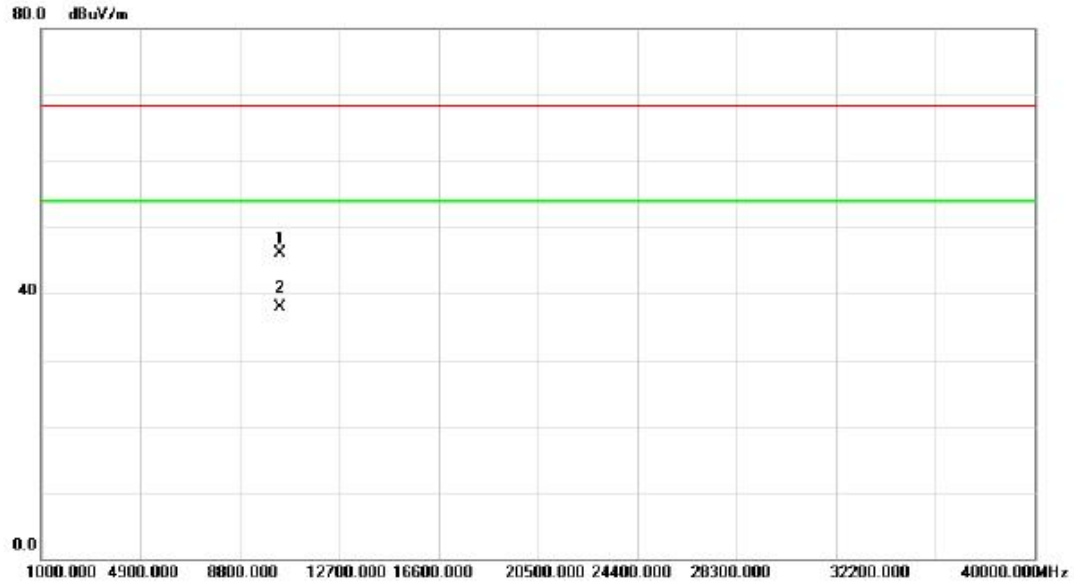
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	4.35	39.00	43.35	68.30	-24.95	peak	
2		5150.000	-3.70	39.00	35.30	54.00	-18.70	AVG	
3	*	5178.900	42.26	39.09	81.35	54.00	27.35	AVG	no limit
4	X	5179.100	51.68	39.09	90.77	68.30	22.47	peak	no limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5180MHz

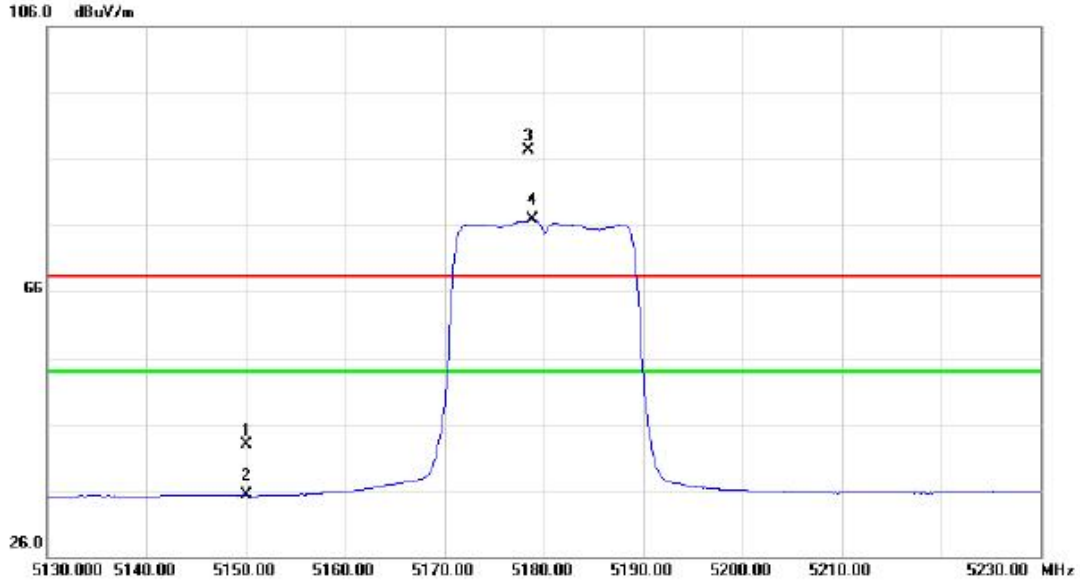
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10360.15	34.99	11.10	46.09	68.30	-22.21	peak	
2	*	10360.15	26.84	11.10	37.94	54.00	-16.06	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5180MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	3.96	39.00	42.96	68.30	-25.34	peak	
2		5150.000	-3.77	39.00	35.23	54.00	-18.77	AVG	
3	X	5178.400	48.13	39.09	87.22	68.30	18.92	peak	no limit
4	*	5178.800	37.73	39.09	76.82	54.00	22.82	AVG	no limit

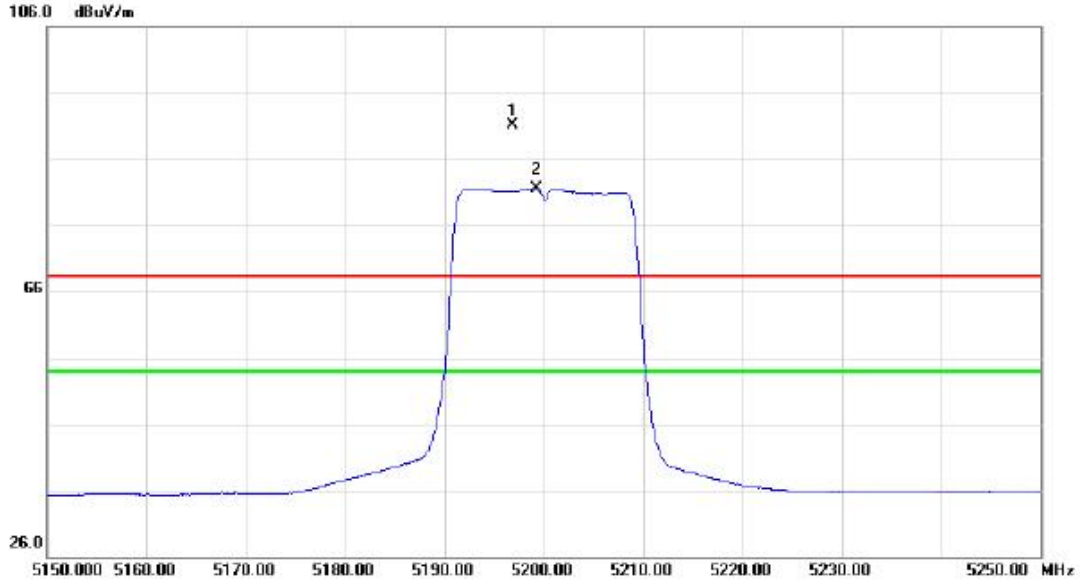
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5180MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10359.75	33.41	11.10	44.51	68.30	-23.79	peak	
2	*	10359.75	26.27	11.10	37.37	54.00	-16.63	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5200MHz

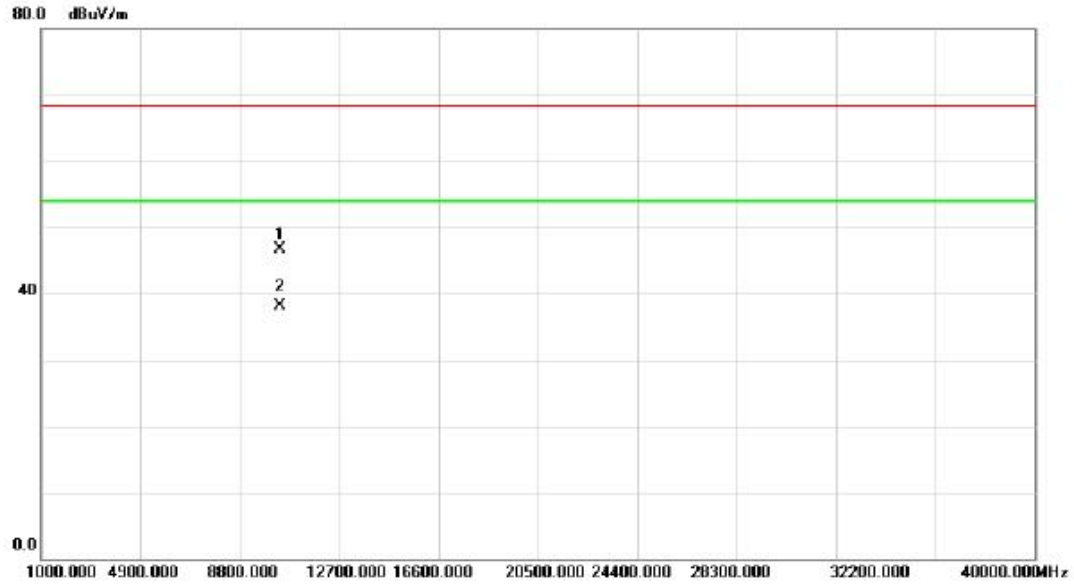
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5196.900	51.98	39.15	91.13	68.30	22.83	peak	no limit
2	*	5199.200	42.36	39.16	81.52	54.00	27.52	AVG	no limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5200MHz

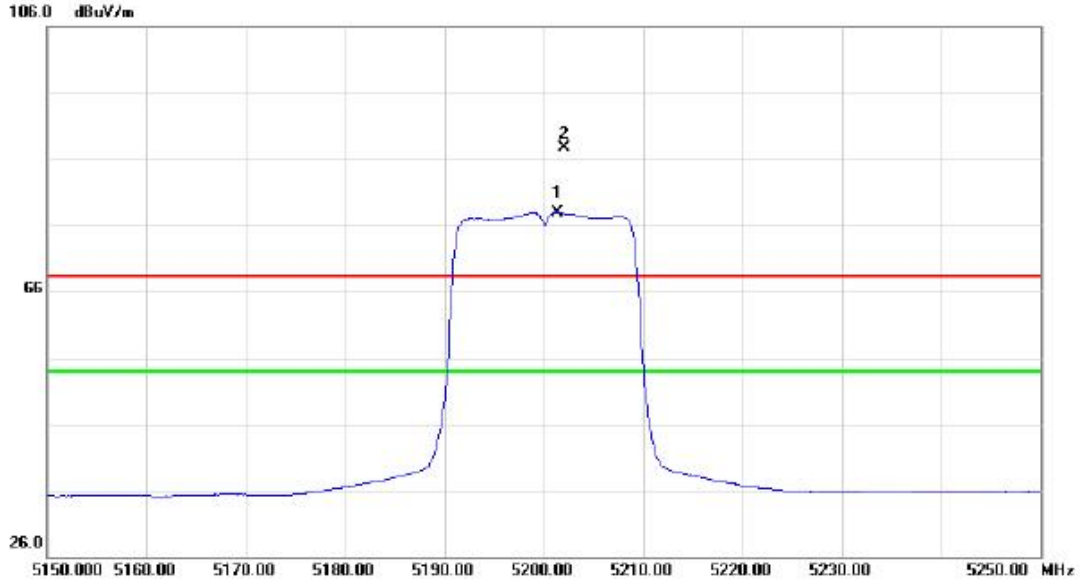
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10400.20	35.73	11.05	46.78	68.30	-21.52	peak	
2	*	10400.20	27.12	11.05	38.17	54.00	-15.83	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5200MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5201.400	38.78	39.17	77.95	54.00	23.95	AVG	no limit
2	X	5202.100	48.48	39.17	87.65	68.30	19.35	peak	no limit

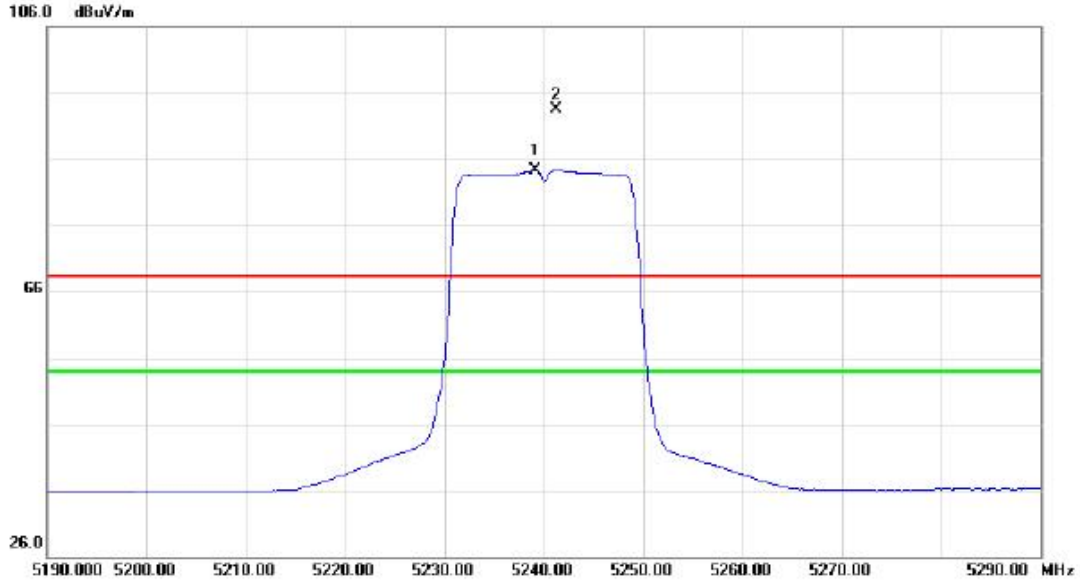
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5200MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10400.75	34.28	11.05	45.33	68.30	-22.97	peak	
2	*	10400.75	26.50	11.05	37.55	54.00	-16.45	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5240MHz

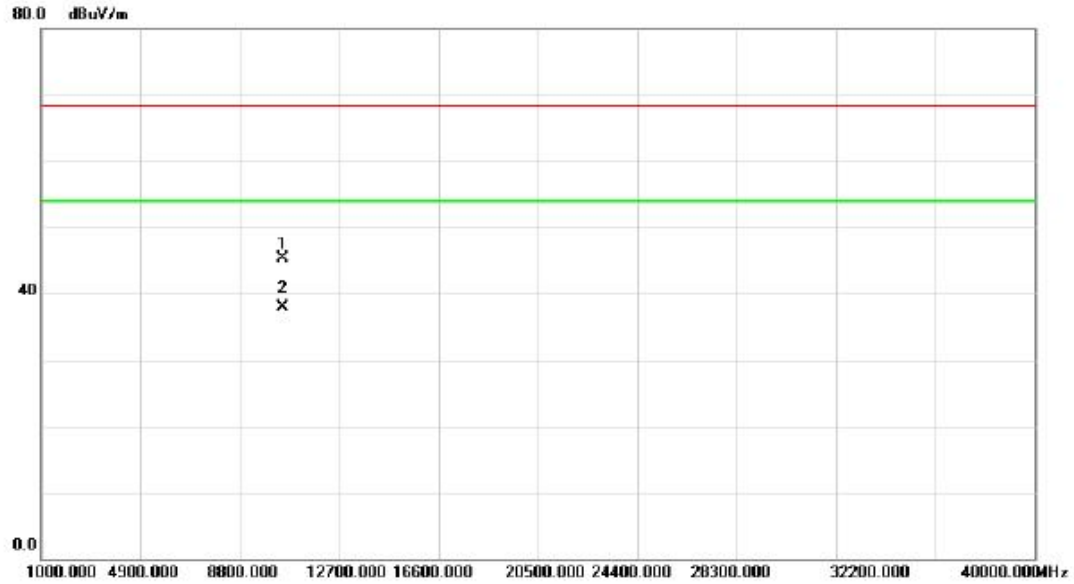
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5239.100	45.05	39.29	84.34	54.00	30.34	AVG	no limit
2	X	5241.300	54.16	39.30	93.46	68.30	25.16	peak	no limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5240MHz

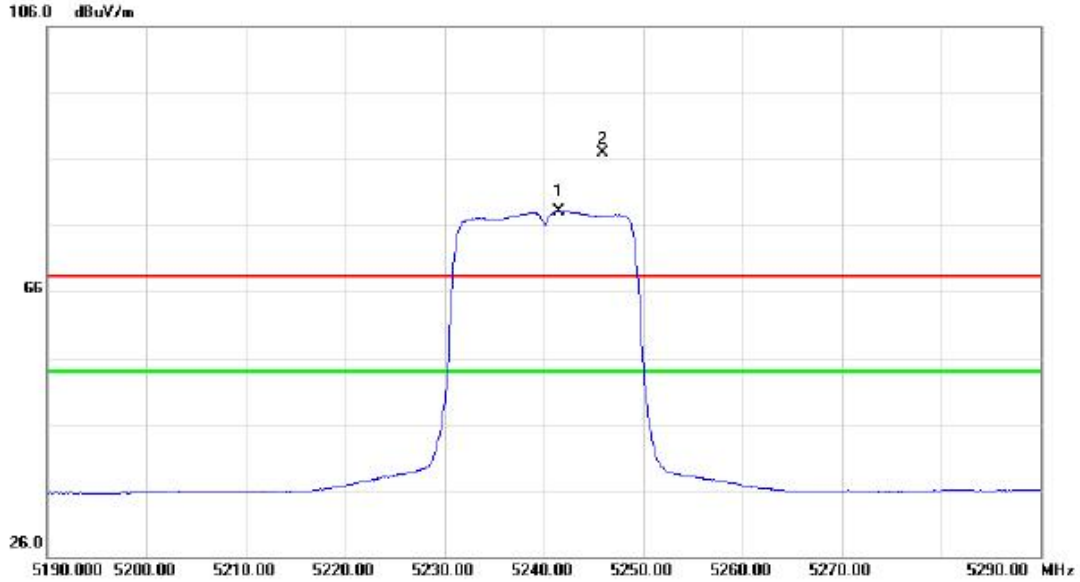
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10480.30	34.27	10.94	45.21	68.30	-23.09	peak	
2	*	10480.30	27.05	10.94	37.99	54.00	-16.01	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5240MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5241.500	38.83	39.30	78.13	54.00	24.13	AVG	no limit
2	X	5245.900	47.68	39.32	87.00	68.30	18.70	peak	no limit

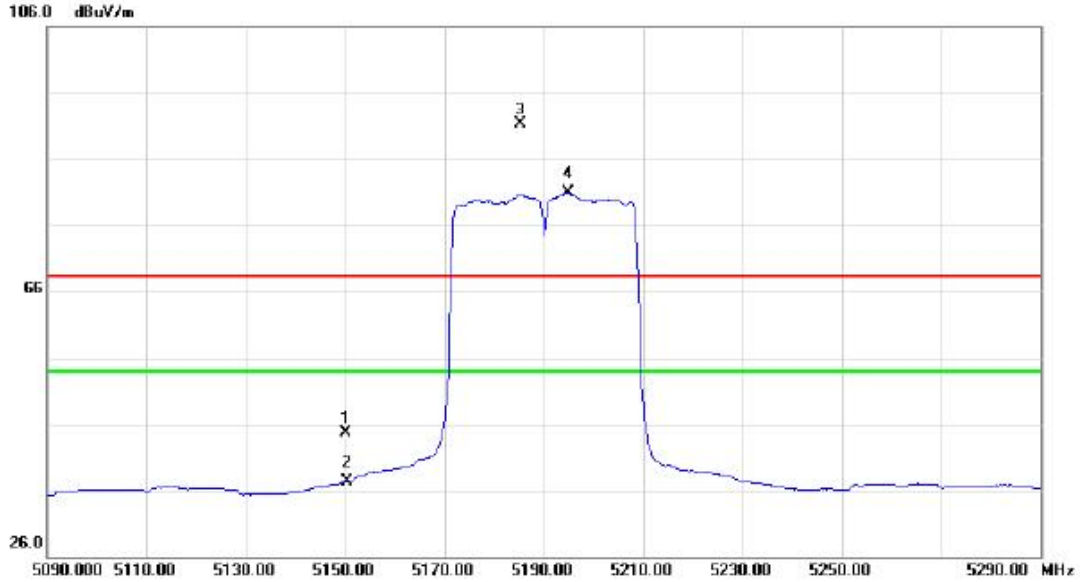
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N20 Mode 5240MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10480.10	33.46	10.94	44.40	68.30	-23.90	peak	
2	*	10480.10	26.82	10.94	37.76	54.00	-16.24	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5190MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	5.63	39.00	44.63	68.30	-23.67	peak	
2		5150.000	-1.72	39.00	37.28	54.00	-16.72	AVG	
3	X	5185.400	52.13	39.12	91.25	68.30	22.95	peak	no limit
4	*	5195.000	41.85	39.15	81.00	54.00	27.00	AVG	no limit

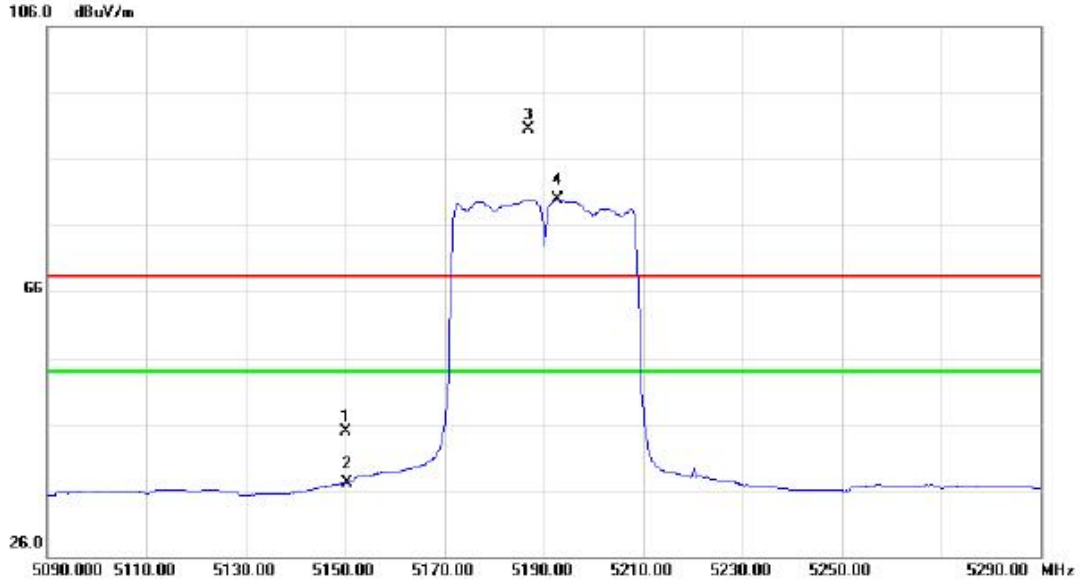
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5190MHz

Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10380.20	36.82	11.08	47.90	68.30	-20.40	peak	
2	*	10380.20	27.60	11.08	38.68	54.00	-15.32	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5190MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	5.82	39.00	44.82	68.30	-23.48	peak	
2		5150.000	-1.92	39.00	37.08	54.00	-16.92	AVG	
3	X	5186.800	51.39	39.12	90.51	68.30	22.21	peak	no limit
4	*	5192.800	40.80	39.14	79.94	54.00	25.94	AVG	no limit

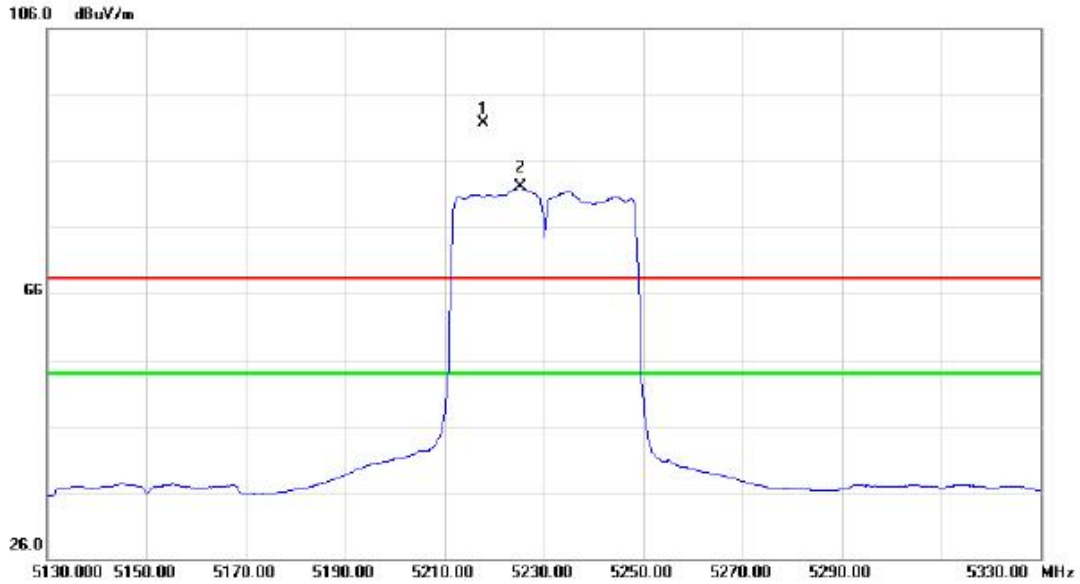
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5190MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10380.45	33.94	11.08	45.02	68.30	-23.28	peak	
2	*	10380.45	26.26	11.08	37.34	54.00	-16.66	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5230MHz

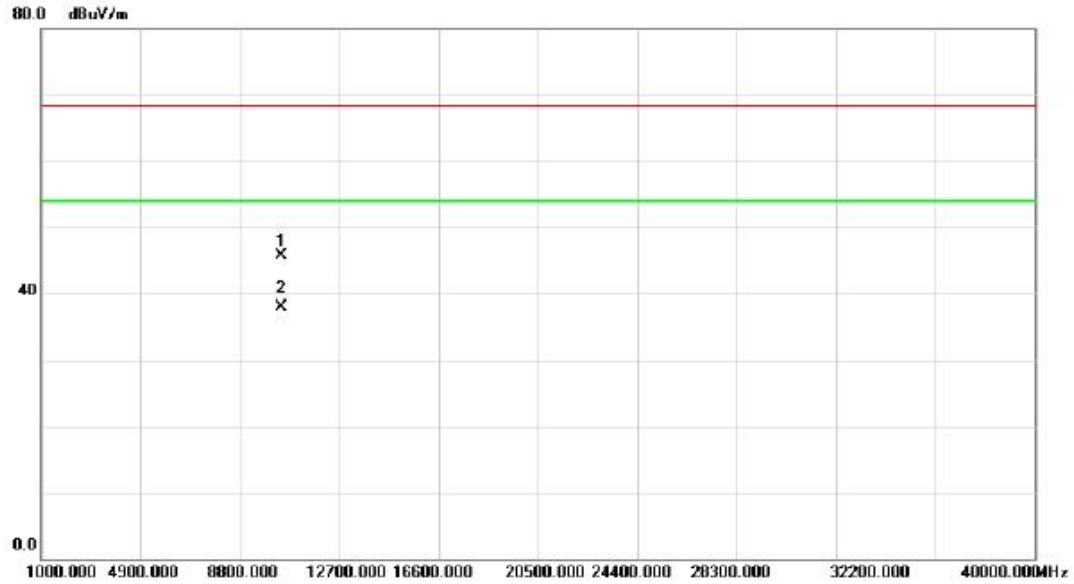
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5217.800	52.58	39.22	91.80	68.30	23.50	peak	no limit
2	*	5225.200	42.92	39.25	82.17	54.00	28.17	AVG	no limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5230MHz

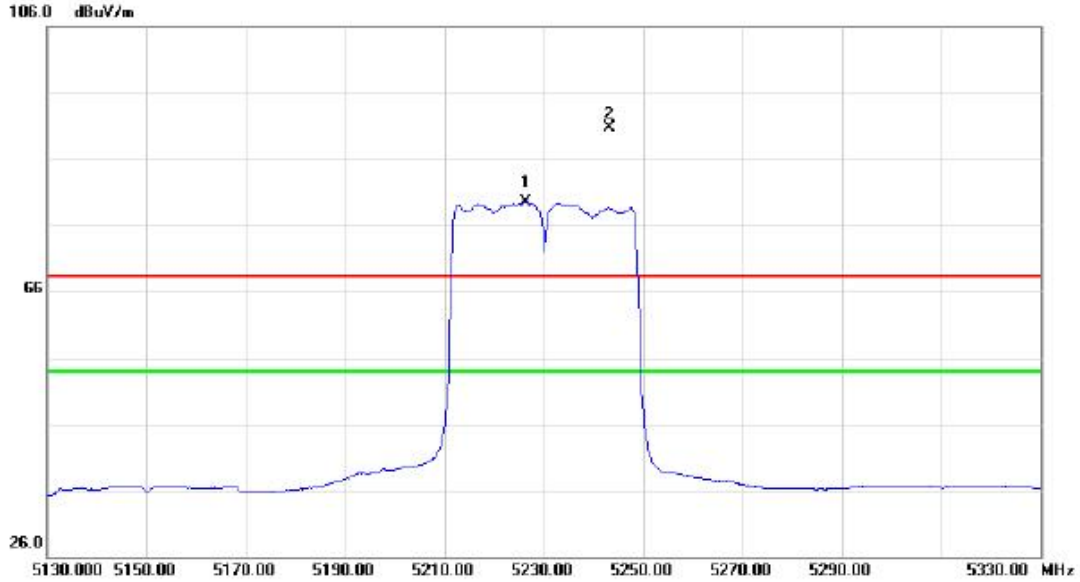
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10460.25	34.82	10.96	45.78	68.30	-22.52	peak	
2	*	10460.25	26.86	10.96	37.82	54.00	-16.18	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5230MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5226.400	40.28	39.26	79.54	54.00	25.54	AVG	no limit
2	X	5243.200	51.47	39.31	90.78	68.30	22.48	peak	no limit

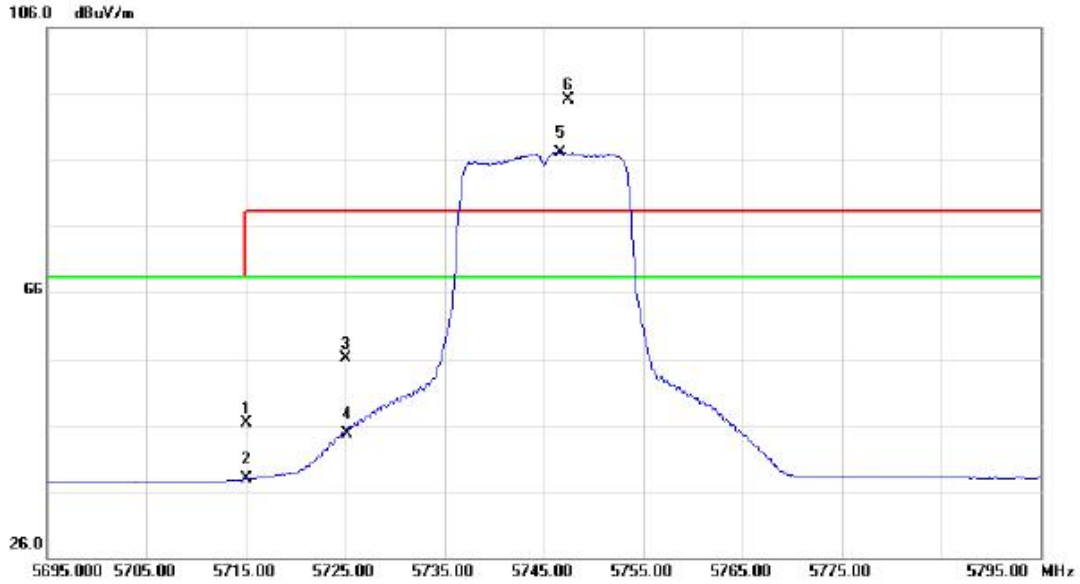
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX N40 Mode 5230MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10459.70	34.08	10.96	45.04	68.30	-23.26	peak	
2	*	10459.70	26.14	10.96	37.10	54.00	-16.90	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5745MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5715.000	5.24	41.06	46.30	68.30	-22.00	peak	
2		5715.000	-3.18	41.06	37.88	68.30	-30.42	AVG	
3		5725.000	14.98	41.10	56.08	78.30	-22.22	peak	
4		5725.000	3.64	41.10	44.74	68.30	-23.56	AVG	
5	*	5746.600	45.99	41.19	87.18	68.30	18.88	AVG	no limit
6	X	5747.500	53.93	41.19	95.12	78.30	16.82	peak	no limit

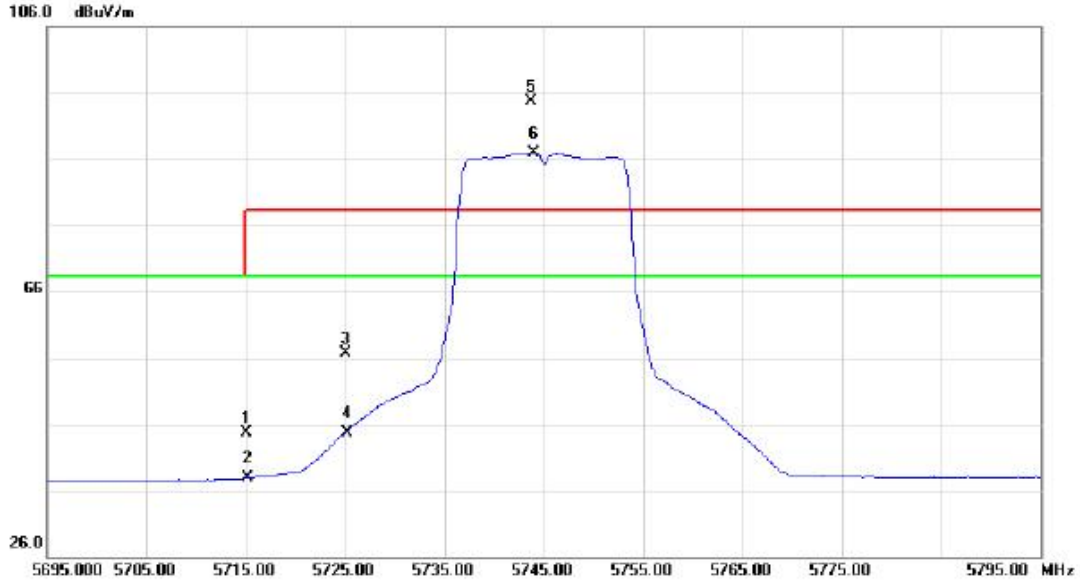
Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5745MHz

Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.10	33.95	12.91	46.86	68.30	-21.44	peak	
2	*	11490.10	26.41	12.91	39.32	54.00	-14.68	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5745MHz

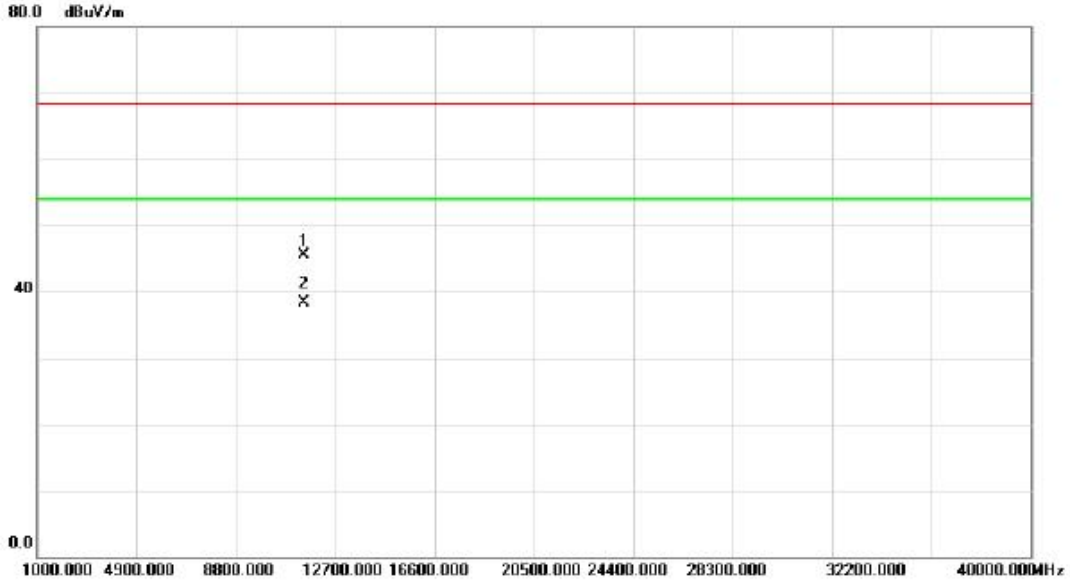
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5715.000	3.64	41.06	44.70	68.30	-23.60	peak	
2		5715.000	-3.21	41.06	37.85	68.30	-30.45	AVG	
3		5725.000	15.54	41.10	56.64	78.30	-21.66	peak	
4		5725.000	3.67	41.10	44.77	68.30	-23.53	AVG	
5	X	5743.700	53.47	41.17	94.64	78.30	16.34	peak	no limit
6	*	5744.000	45.81	41.17	86.98	68.30	18.68	AVG	no limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5745MHz

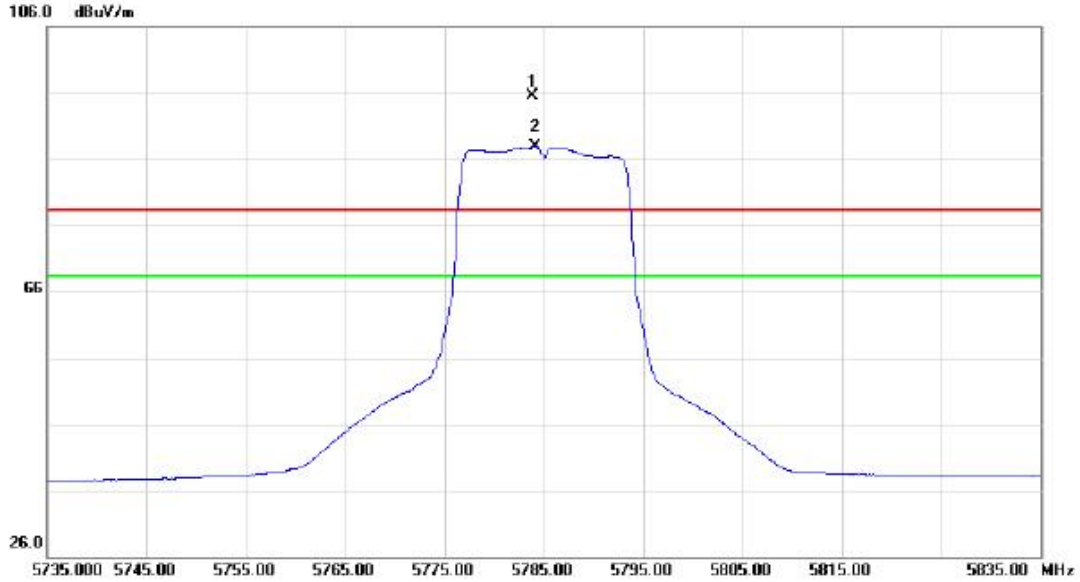
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.10	32.50	12.91	45.41	68.30	-22.89	peak	
2	*	11490.10	25.37	12.91	38.28	54.00	-15.72	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5785MHz

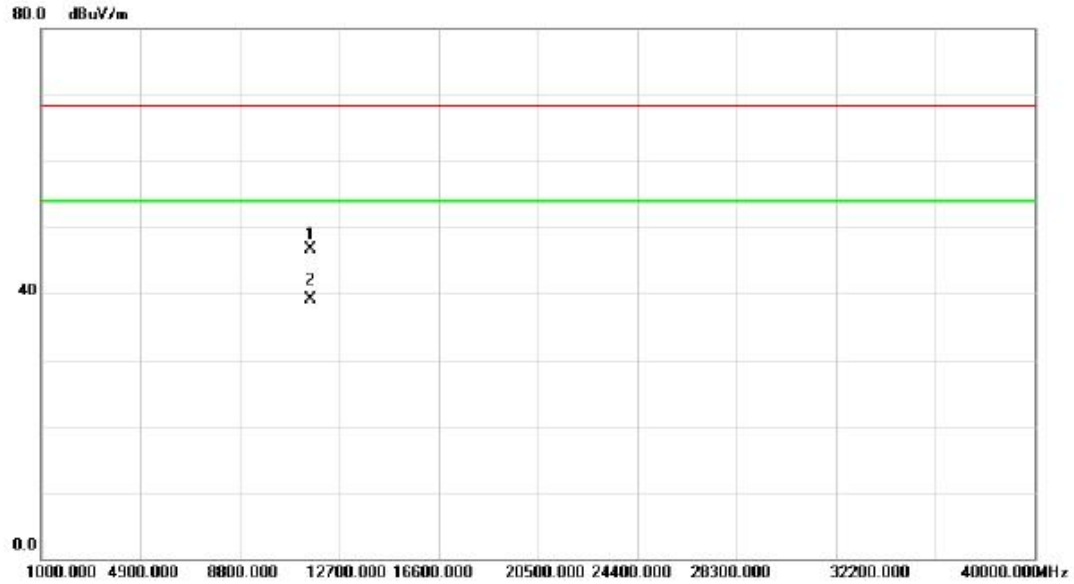
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5783.800	54.21	41.34	95.55	78.30	17.25	peak	no limit
2	*	5784.100	46.53	41.34	87.87	68.30	19.57	AVG	no limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5785MHz

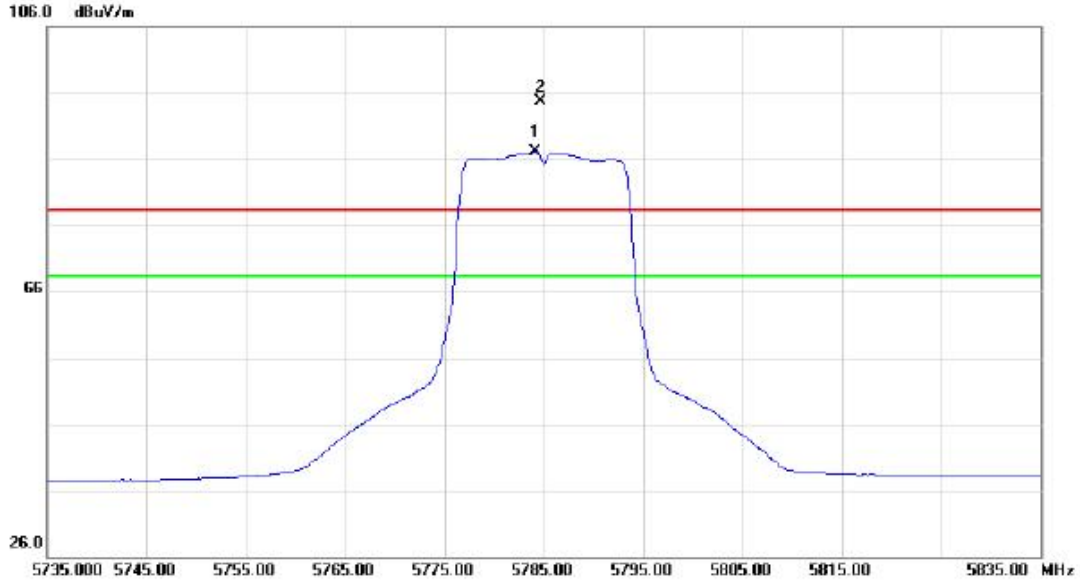
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11569.40	33.89	12.89	46.78	68.30	-21.52	peak	
2	*	11569.40	26.29	12.89	39.18	54.00	-14.82	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5785MHz

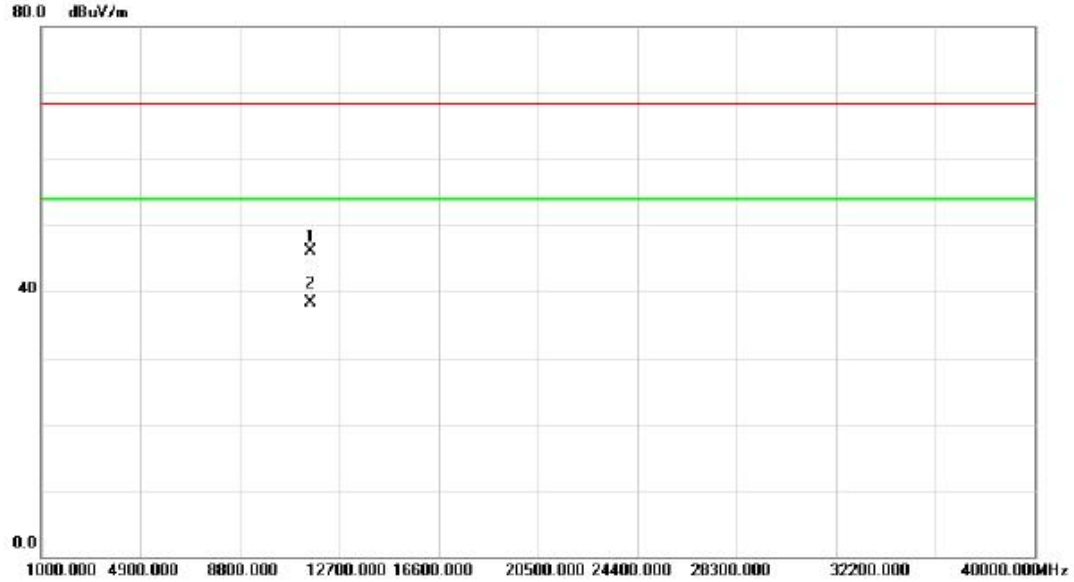
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5784.100	45.69	41.34	87.03	68.30	18.73	AVG	no limit
2	X	5784.600	53.41	41.34	94.75	78.30	16.45	peak	no limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5785MHz

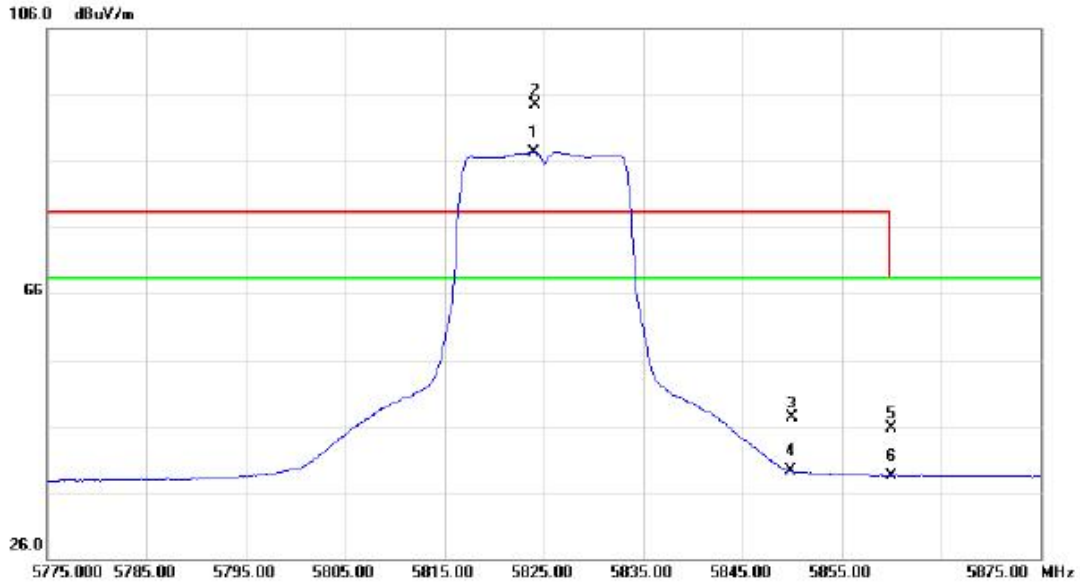
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.20	33.17	12.89	46.06	68.30	-22.24	peak	
2	*	11570.20	25.50	12.89	38.39	54.00	-15.61	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5825MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5824.000	45.81	41.51	87.32	68.30	19.02	AVG	no limit
2	X	5824.100	53.03	41.51	94.54	78.30	16.24	peak	no limit
3		5850.000	5.64	41.62	47.26	78.30	-31.04	peak	
4		5850.000	-2.37	41.62	39.25	68.30	-29.05	AVG	
5		5860.000	3.98	41.65	45.63	68.30	-22.67	peak	
6		5860.000	-3.08	41.65	38.57	68.30	-29.73	AVG	

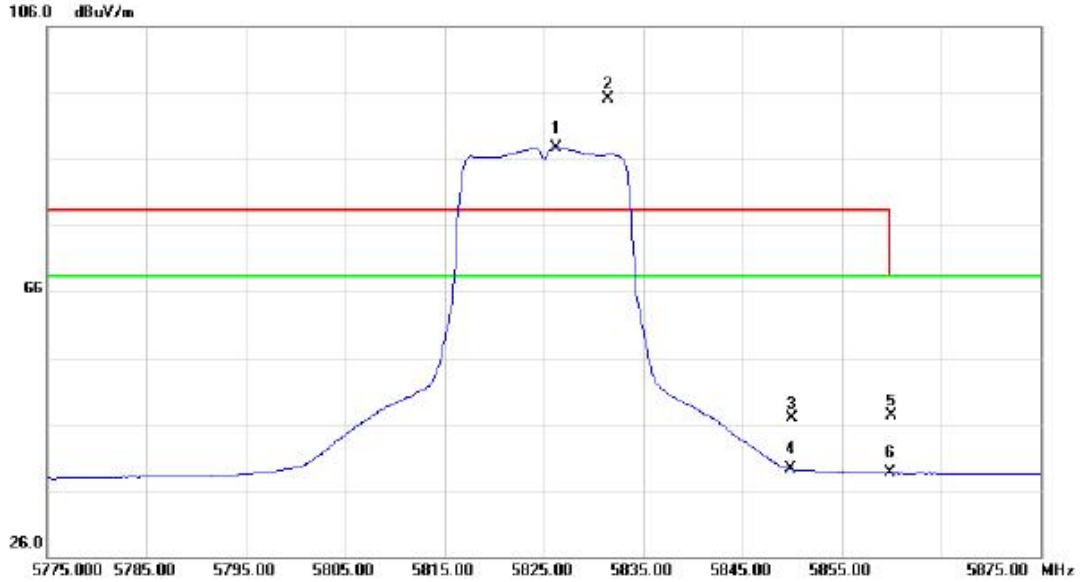
Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5825MHz

Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11649.55	34.40	12.84	47.24	68.30	-21.06	peak	
2	*	11650.05	26.92	12.84	39.76	54.00	-14.24	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5825MHz

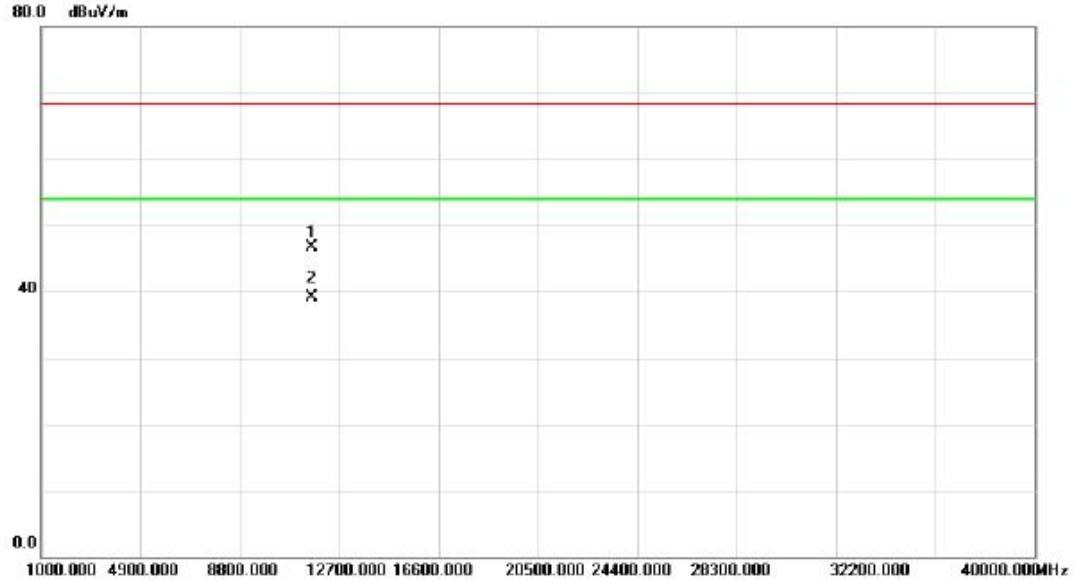
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5826.300	46.15	41.52	87.67	68.30	19.37	AVG	no limit
2	X	5831.500	53.60	41.54	95.14	78.30	16.84	peak	no limit
3		5850.000	5.19	41.62	46.81	78.30	-31.49	peak	
4		5850.000	-2.35	41.62	39.27	68.30	-29.03	AVG	
5		5860.000	5.74	41.65	47.39	68.30	-20.91	peak	
6		5860.000	-3.05	41.65	38.60	68.30	-29.70	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5825MHz

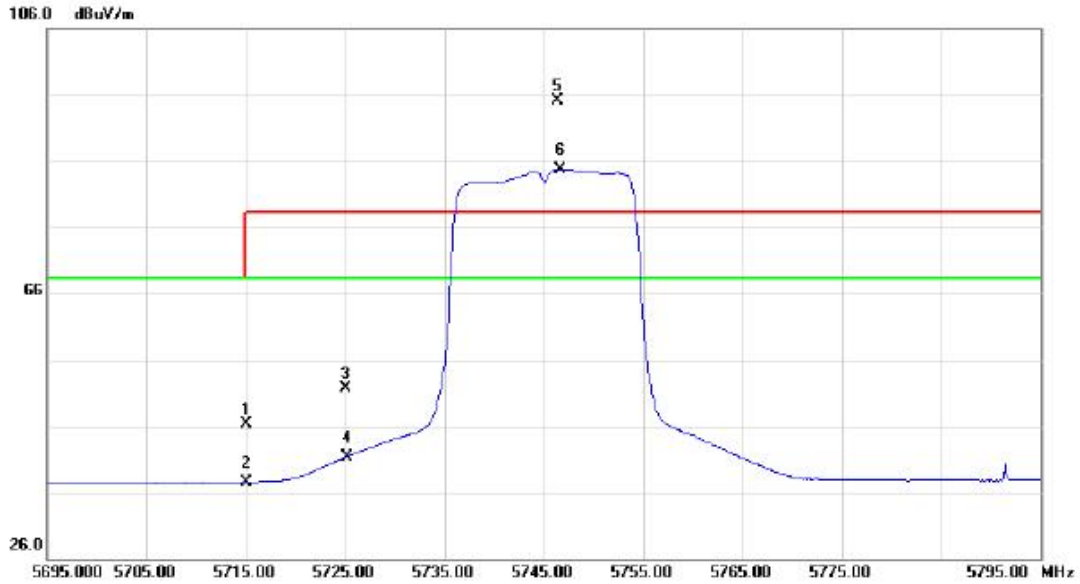
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.05	33.87	12.84	46.71	68.30	-21.59	peak	
2	*	11650.05	26.32	12.84	39.16	54.00	-14.84	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5745MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5715.000	5.32	41.06	46.38	68.30	-21.92	peak	
2		5715.000	-3.54	41.06	37.52	68.30	-30.78	AVG	
3		5725.000	10.63	41.10	51.73	78.30	-26.57	peak	
4		5725.000	0.22	41.10	41.32	68.30	-26.98	AVG	
5	*	5746.400	53.99	41.18	95.17	78.30	16.87	peak	no limit
6	X	5746.600	43.53	41.19	84.72	68.30	16.42	AVG	no limit

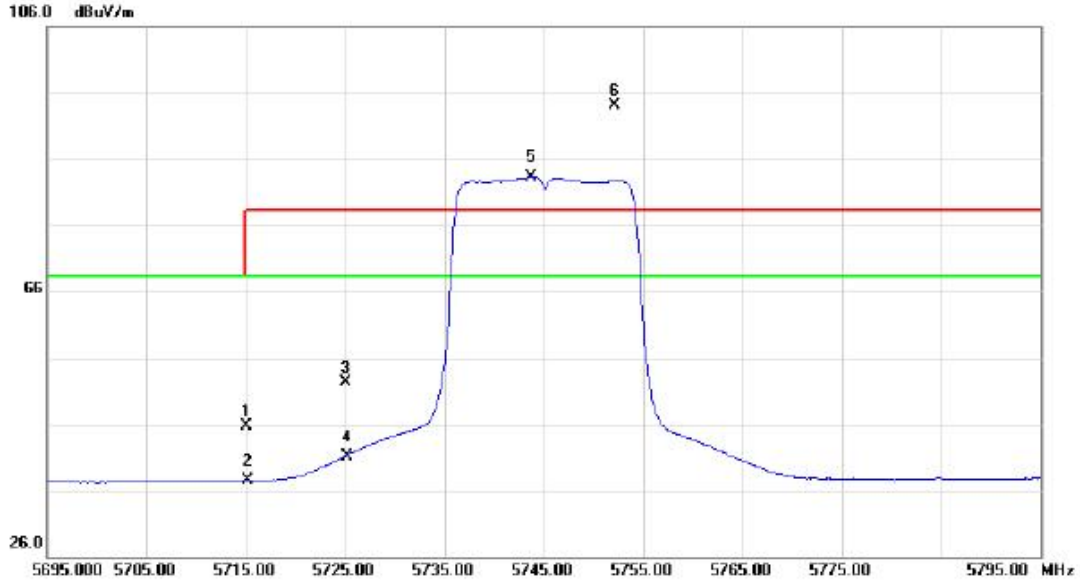
Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5745MHz

Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.39	33.74	12.91	46.65	68.30	-21.65	peak	
2	*	11490.39	26.53	12.91	39.44	54.00	-14.56	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5745MHz

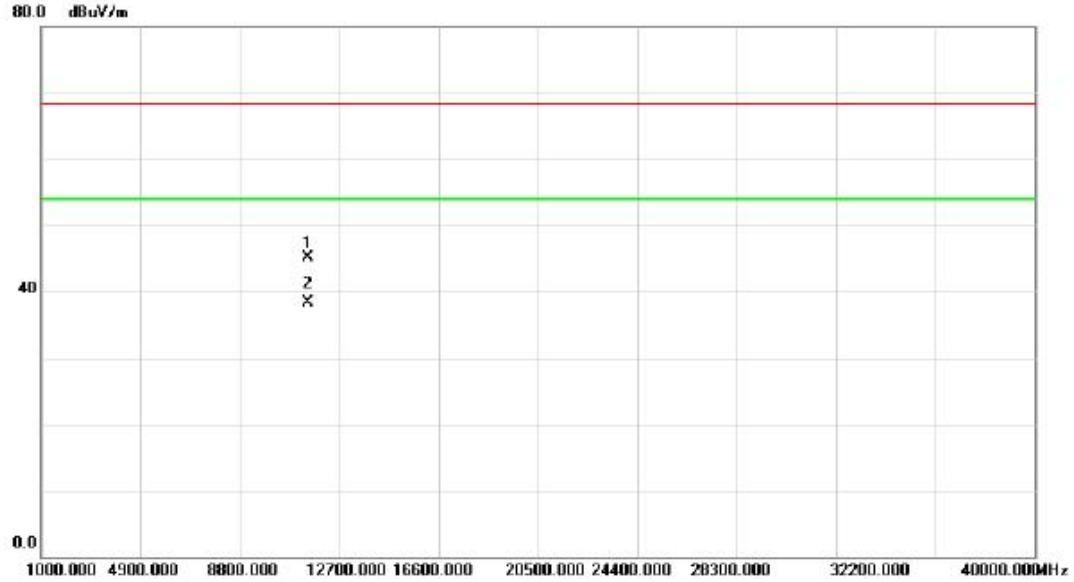
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5715.000	4.55	41.06	45.61	68.30	-22.69	peak	
2		5715.000	-3.65	41.06	37.41	68.30	-30.89	AVG	
3		5725.000	11.17	41.10	52.27	78.30	-26.03	peak	
4		5725.000	0.08	41.10	41.18	68.30	-27.12	AVG	
5	X	5743.700	42.12	41.17	83.29	68.30	14.99	AVG	no limit
6	*	5752.100	52.89	41.21	94.10	78.30	15.80	peak	no limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5745MHz

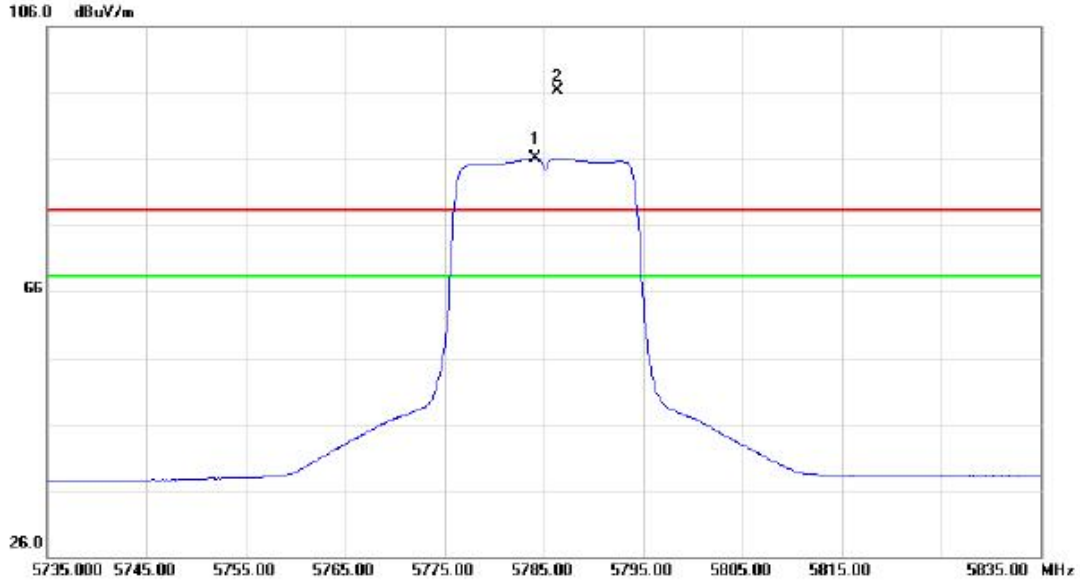
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11489.87	32.21	12.91	45.12	68.30	-23.18	peak	
2	*	11489.87	25.36	12.91	38.27	54.00	-15.73	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5785MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5784.100	44.84	41.34	86.18	68.30	17.88	AVG	no limit
2	*	5786.400	54.99	41.35	96.34	78.30	18.04	peak	no limit

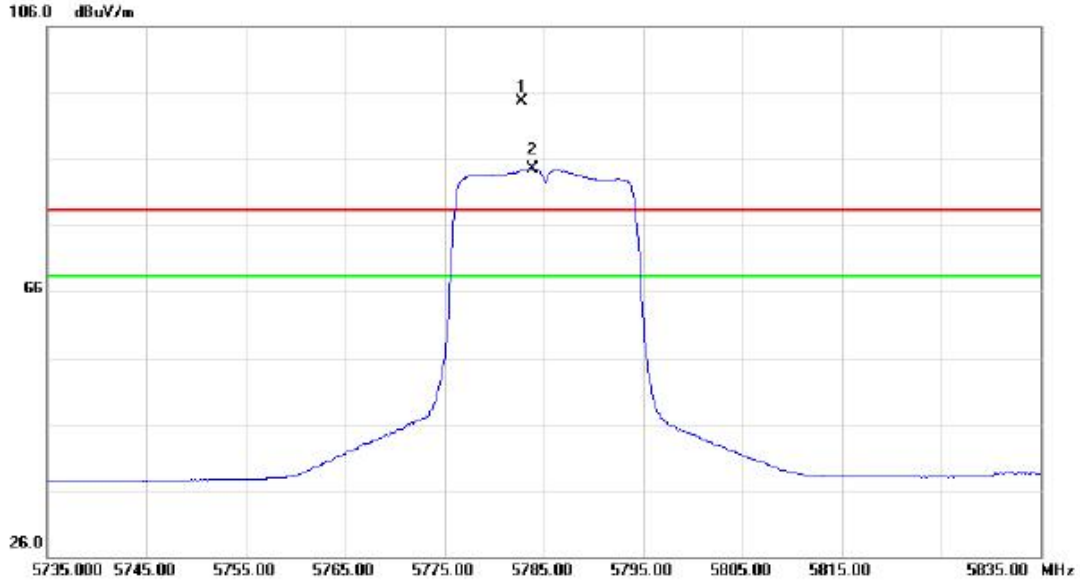
Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5785MHz

Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.31	34.17	12.89	47.06	68.30	-21.24	peak	
2	*	11570.31	26.36	12.89	39.25	54.00	-14.75	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5785MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5782.800	53.29	41.33	94.62	78.30	16.32	peak	no limit
2	X	5783.900	43.10	41.34	84.44	68.30	16.14	AVG	no limit

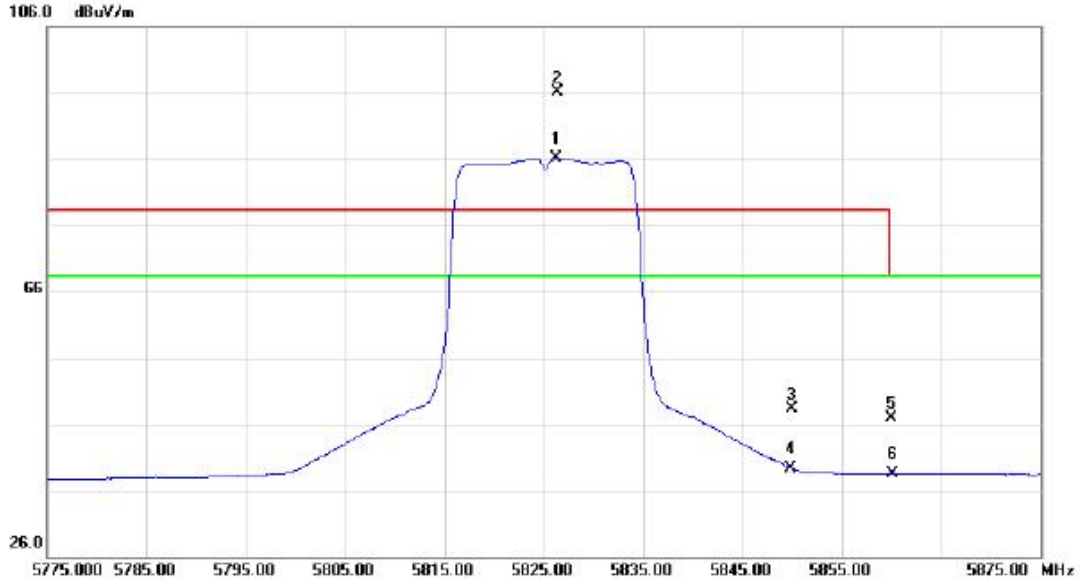
Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5785MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11569.80	33.07	12.89	45.96	68.30	-22.34	peak	
2	*	11569.80	25.59	12.89	38.48	54.00	-15.52	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5825MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5826.300	44.64	41.52	86.16	68.30	17.86	AVG	no limit
2	*	5826.400	54.65	41.52	96.17	78.30	17.87	peak	no limit
3		5850.000	6.75	41.62	48.37	78.30	-29.93	peak	
4		5850.000	-2.24	41.62	39.38	68.30	-28.92	AVG	
5		5860.000	5.28	41.65	46.93	68.30	-21.37	peak	
6		5860.000	-3.15	41.65	38.50	68.30	-29.80	AVG	

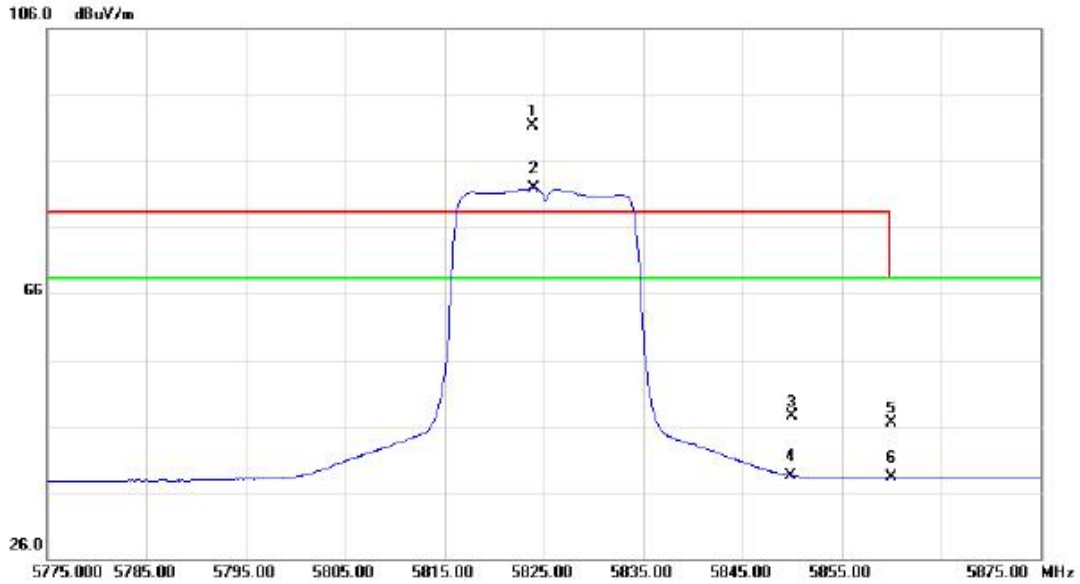
Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5825MHz

Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11649.70	34.21	12.84	47.05	68.30	-21.25	peak	
2	*	11649.70	26.63	12.84	39.47	54.00	-14.53	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5825MHz

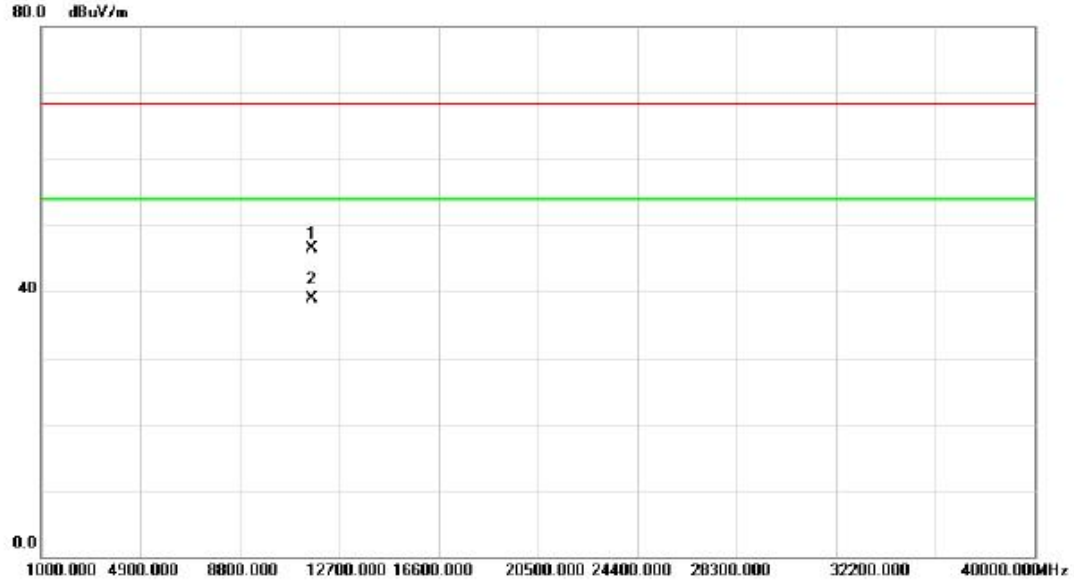
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5823.900	49.73	41.51	91.24	78.30	12.94	peak	no limit
2	*	5824.000	40.37	41.51	81.88	68.30	13.58	AVG	no limit
3		5850.000	5.83	41.62	47.45	78.30	-30.85	peak	
4		5850.000	-3.09	41.62	38.53	68.30	-29.77	AVG	
5		5860.000	4.89	41.65	46.54	68.30	-21.76	peak	
6		5860.000	-3.34	41.65	38.31	68.30	-29.99	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N20 Mode 5825MHz

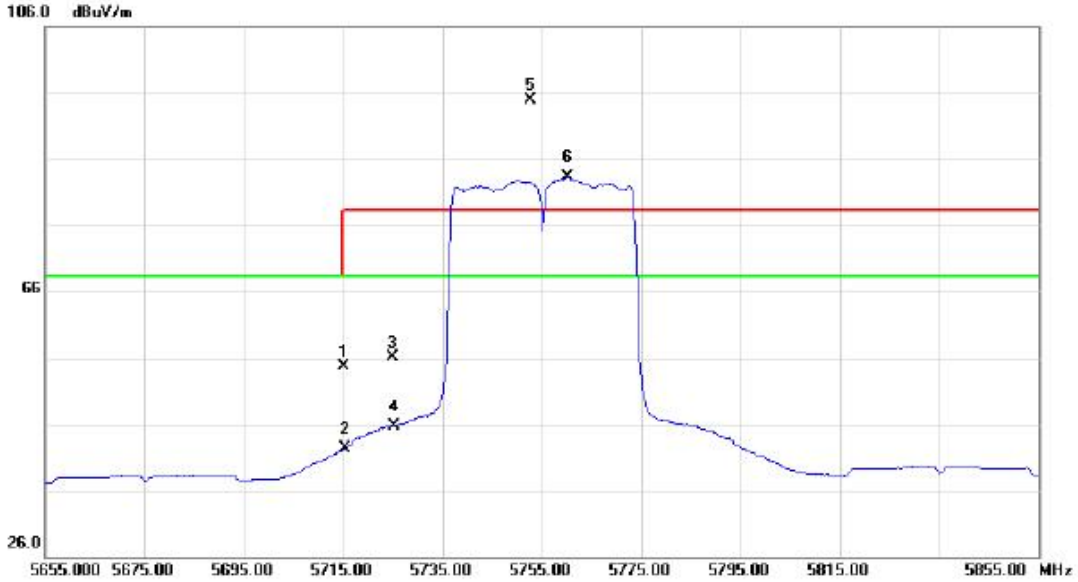
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11649.90	33.72	12.84	46.56	68.30	-21.74	peak	
2	*	11649.90	26.11	12.84	38.95	54.00	-15.05	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5755MHz

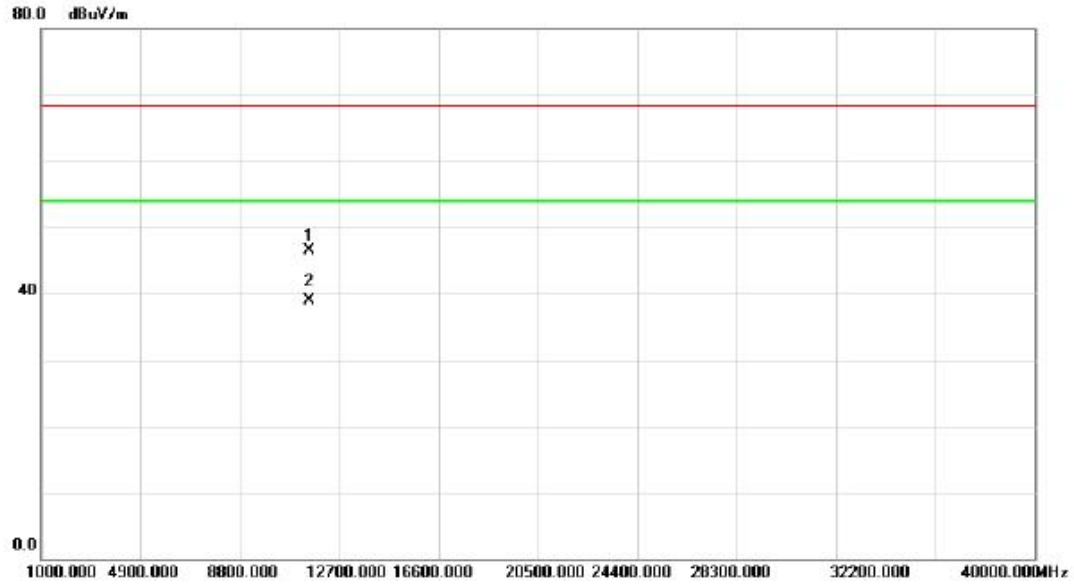
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5715.000	13.72	41.06	54.78	68.30	-13.52	peak	
2		5715.000	1.15	41.06	42.21	68.30	-26.09	AVG	
3		5725.000	15.09	41.10	56.19	78.30	-22.11	peak	
4		5725.000	4.66	41.10	45.76	68.30	-22.54	AVG	
5	*	5752.800	53.69	41.21	94.90	78.30	16.60	peak	no limit
6	X	5760.200	42.07	41.24	83.31	68.30	15.01	AVG	no limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5755MHz

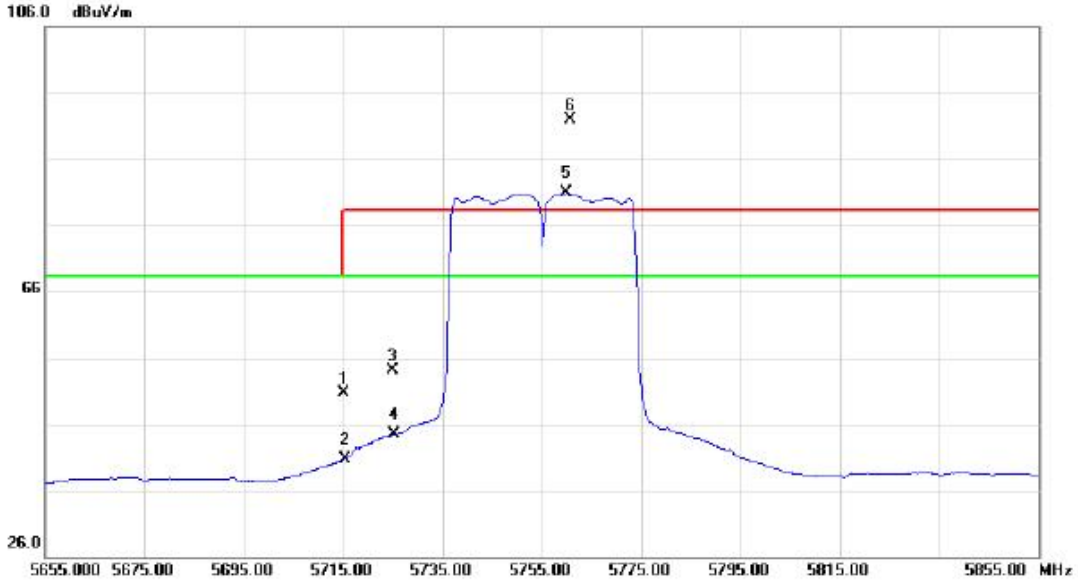
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11509.20	33.53	12.93	46.46	68.30	-21.84	peak	
2	*	11509.20	26.01	12.93	38.94	54.00	-15.06	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5755MHz

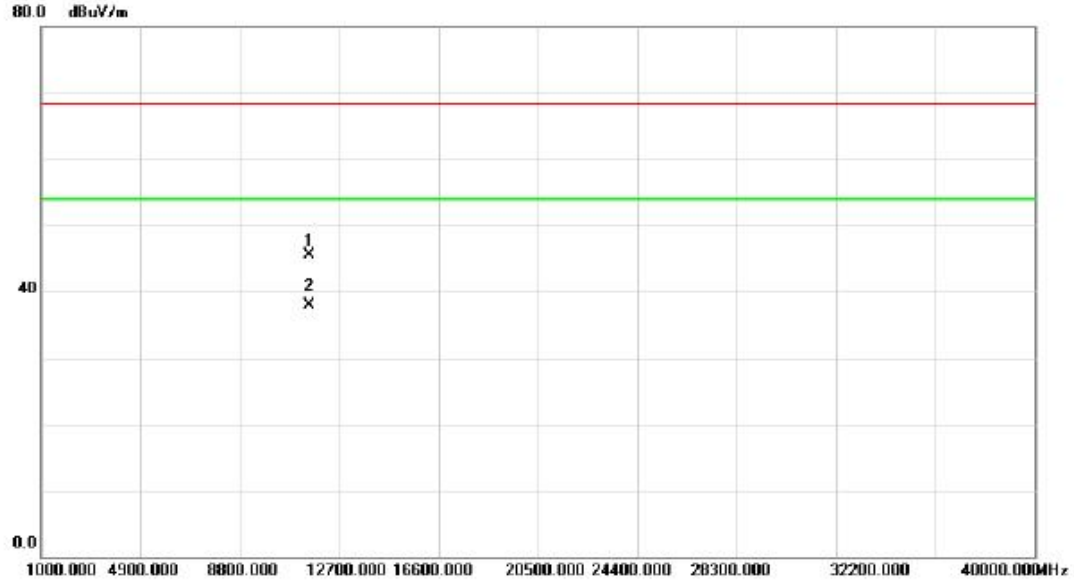
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5715.000	9.65	41.06	50.71	68.30	-17.59	peak	
2		5715.000	-0.36	41.06	40.70	68.30	-27.60	AVG	
3		5725.000	12.93	41.10	54.03	78.30	-24.27	peak	
4		5725.000	3.31	41.10	44.41	68.30	-23.89	AVG	
5	X	5760.000	39.66	41.24	80.90	68.30	12.60	AVG	no limit
6	*	5760.800	50.60	41.25	91.85	78.30	13.55	peak	no limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5755MHz

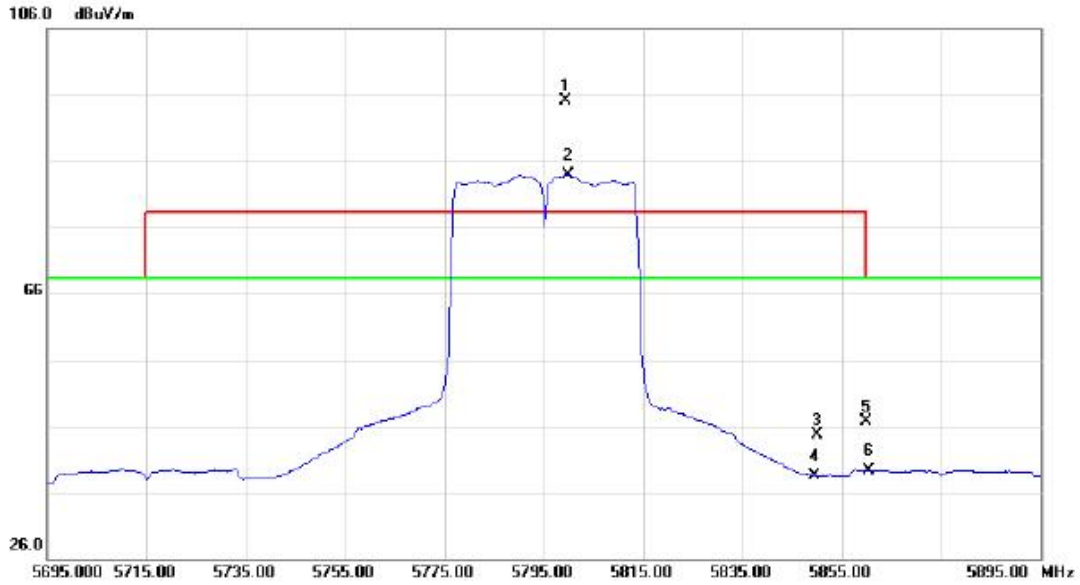
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.10	32.58	12.94	45.52	68.30	-22.78	peak	
2	*	11510.10	25.02	12.94	37.96	54.00	-16.04	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5795MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5799.400	53.68	41.41	95.09	78.30	16.79	peak	no limit
2	X	5800.000	42.56	41.41	83.97	68.30	15.67	AVG	no limit
3		5850.000	3.17	41.62	44.79	78.30	-33.51	peak	
4		5850.000	-3.06	41.62	38.56	68.30	-29.74	AVG	
5		5860.000	5.00	41.65	46.65	68.30	-21.65	peak	
6		5860.000	-2.32	41.65	39.33	68.30	-28.97	AVG	

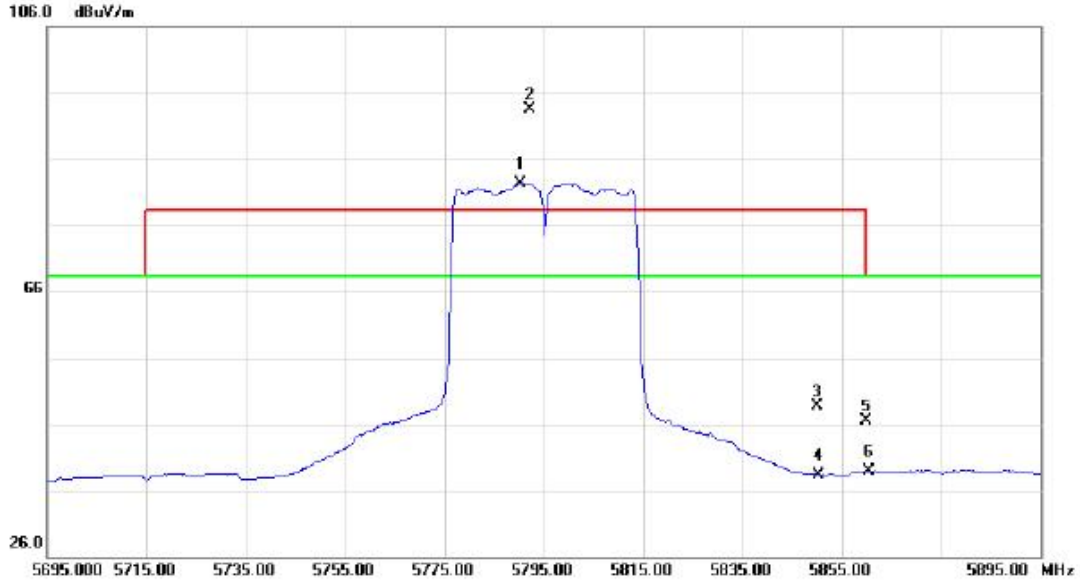
Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5795MHz

Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11590.34	34.53	12.88	47.41	68.30	-20.89	peak	
2	*	11590.34	26.71	12.88	39.59	54.00	-14.41	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5795MHz

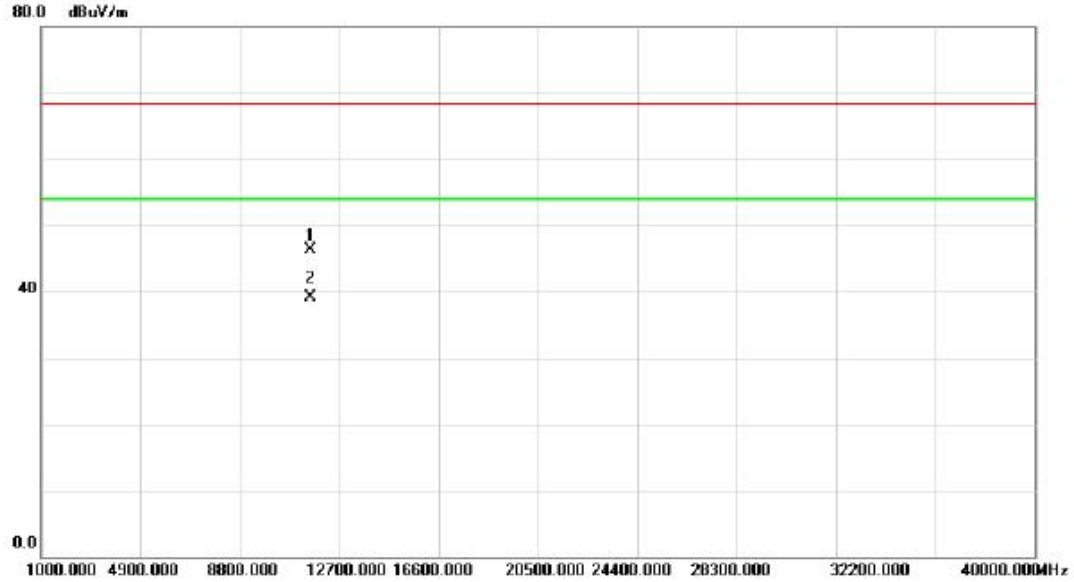
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5790.400	40.92	41.37	82.29	68.30	13.99	AVG	no limit
2	*	5792.200	52.18	41.38	93.56	78.30	15.26	peak	no limit
3		5850.000	7.13	41.62	48.75	78.30	-29.55	peak	
4		5850.000	-3.22	41.62	38.40	68.30	-29.90	AVG	
5		5860.000	4.94	41.65	46.59	68.30	-21.71	peak	
6		5860.000	-2.79	41.65	38.86	68.30	-29.44	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5795MHz

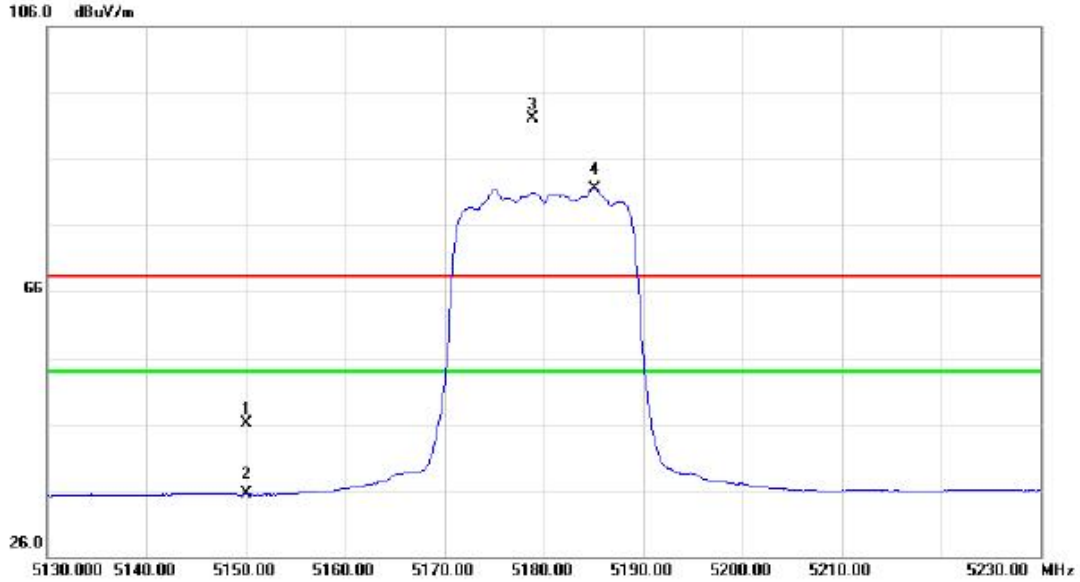
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11590.70	33.50	12.88	46.38	68.30	-21.92	peak	
2	*	11590.70	26.14	12.88	39.02	54.00	-14.98	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5180MHz

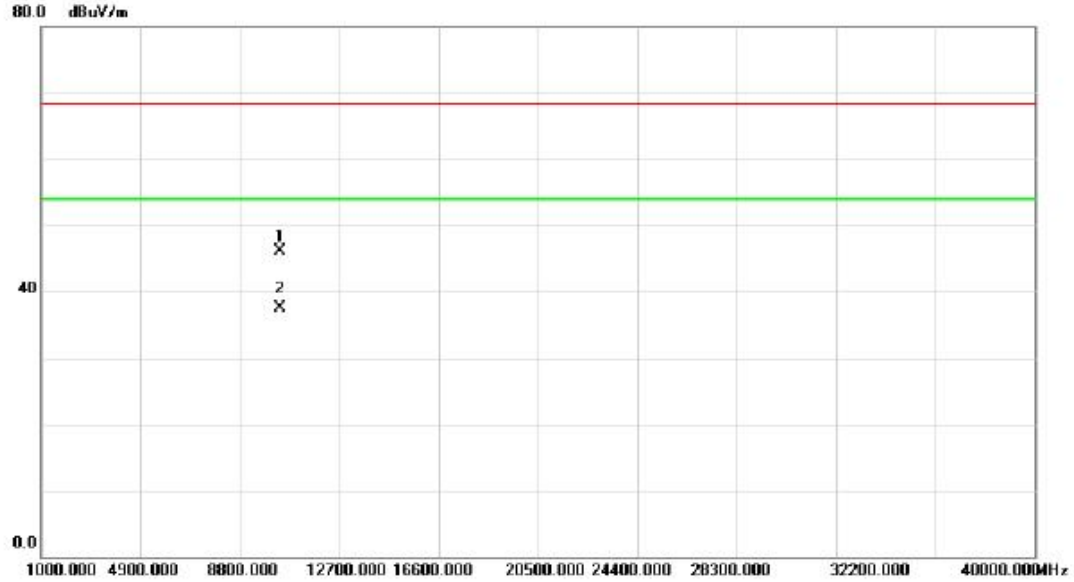
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	7.13	39.00	46.13	68.30	-22.17	peak	
2		5150.000	-3.59	39.00	35.41	54.00	-18.59	AVG	
3	X	5178.800	52.94	39.09	92.03	68.30	23.73	peak	no limit
4	*	5185.100	42.48	39.12	81.60	54.00	27.60	AVG	no limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5180MHz

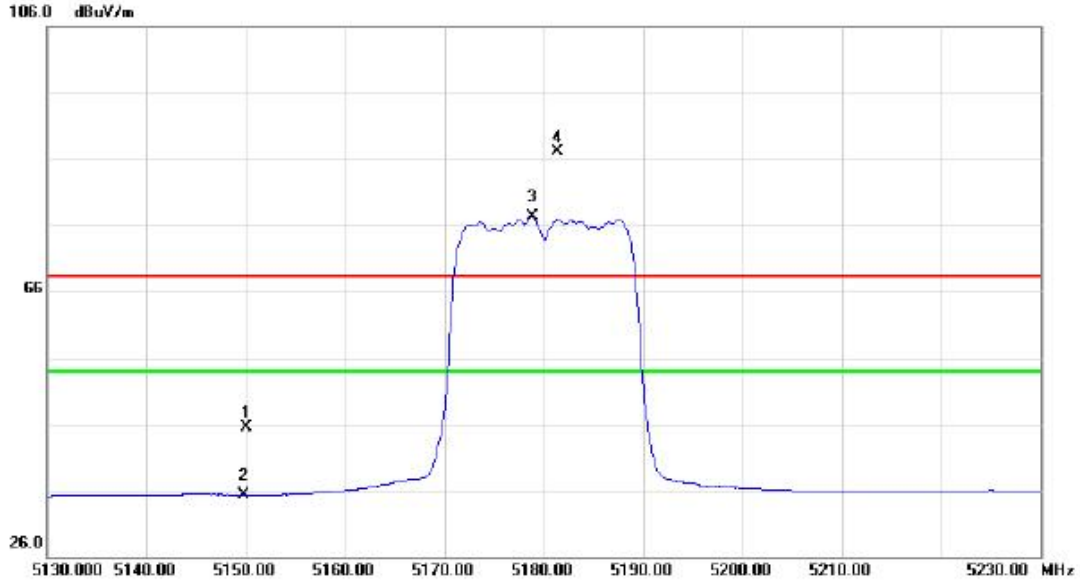
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10360.10	34.93	11.10	46.03	68.30	-22.27	peak	
2	*	10360.10	26.36	11.10	37.46	54.00	-16.54	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5180MHz

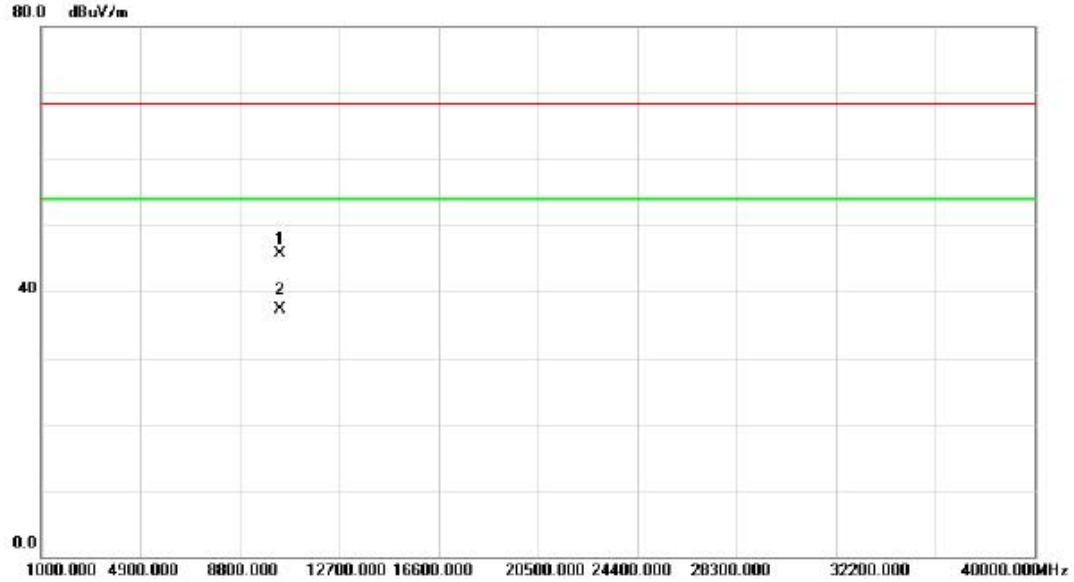
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	6.45	39.00	45.45	68.30	-22.85	peak	
2		5150.000	-3.66	39.00	35.34	54.00	-18.66	AVG	
3	*	5178.800	38.16	39.09	77.25	54.00	23.25	AVG	no limit
4	X	5181.400	47.94	39.10	87.04	68.30	18.74	peak	no limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5180MHz

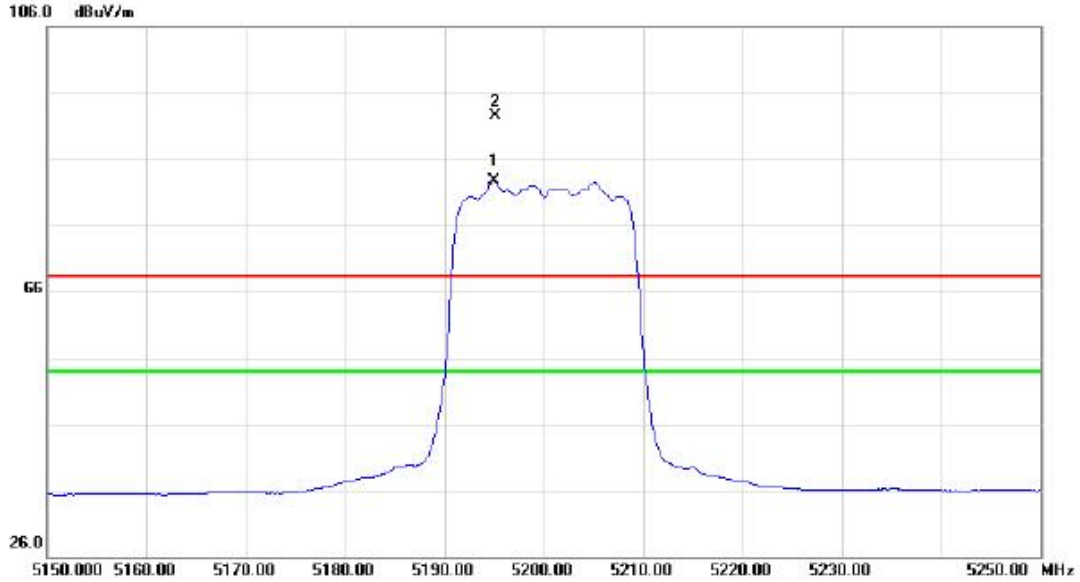
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10360.45	34.69	11.10	45.79	68.30	-22.51	peak	
2	*	10360.45	26.20	11.10	37.30	54.00	-16.70	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5200MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5195.000	43.46	39.15	82.61	54.00	28.61	AVG	no limit
2	X	5195.100	53.34	39.15	92.49	68.30	24.19	peak	no limit

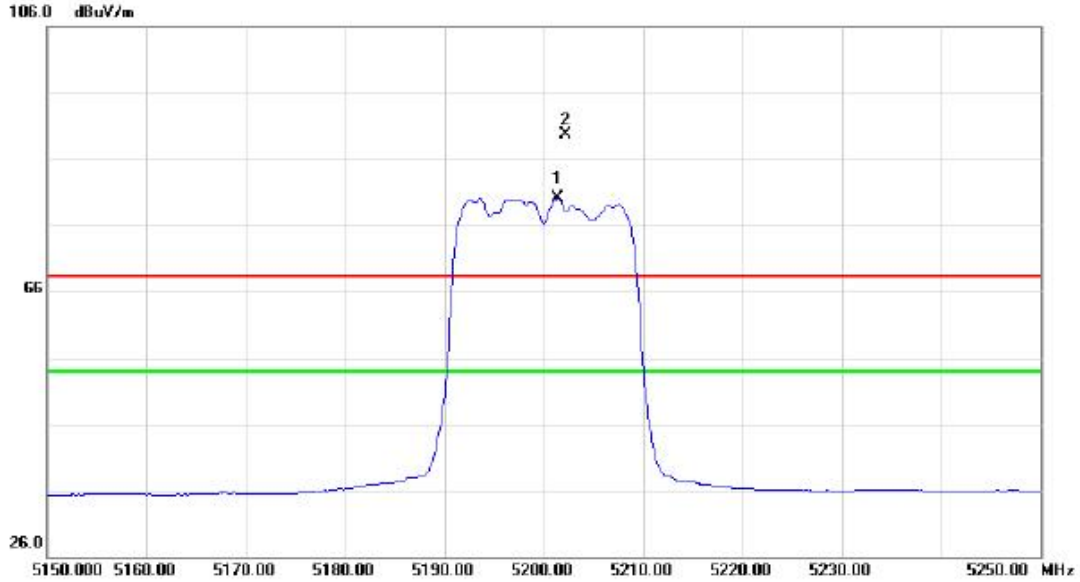
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5200MHz

Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10400.00	34.43	11.05	45.48	68.30	-22.82	peak	
2	*	10400.00	26.42	11.05	37.47	54.00	-16.53	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5200MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5201.400	40.90	39.17	80.07	54.00	26.07	AVG	no limit
2	X	5202.200	50.57	39.17	89.74	68.30	21.44	peak	no limit

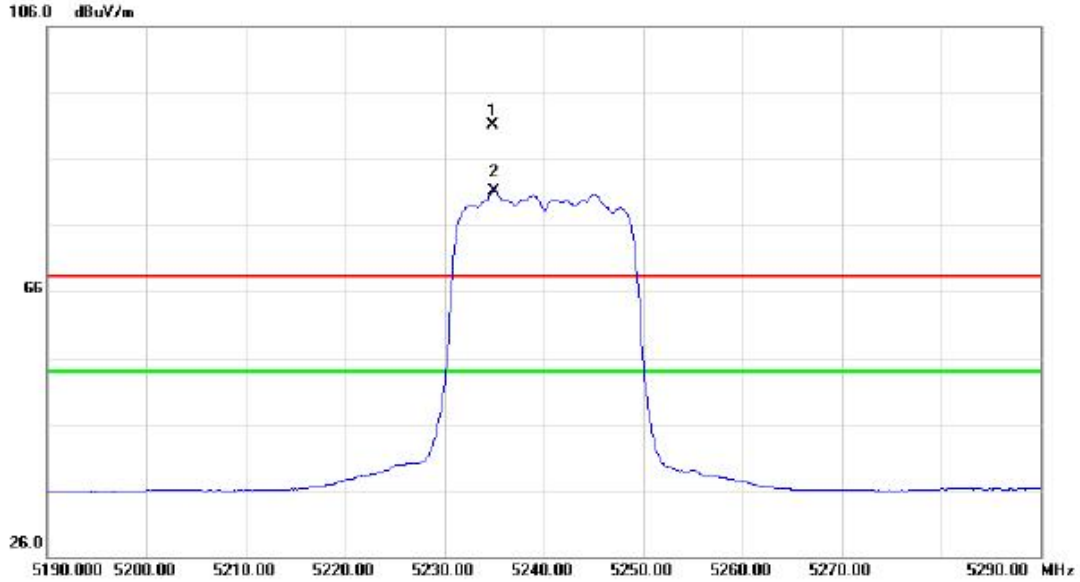
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5200MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10399.50	33.83	11.05	44.88	68.30	-23.42	peak	
2	*	10399.50	26.11	11.05	37.16	54.00	-16.84	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5240MHz

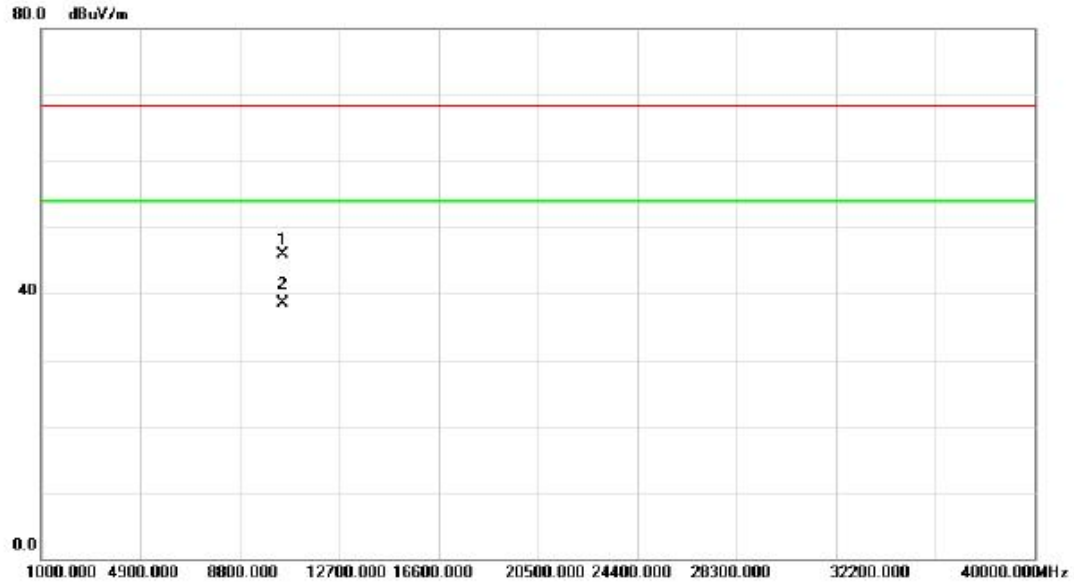
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5234.900	51.81	39.28	91.09	68.30	22.79	peak	no limit
2	*	5235.000	41.92	39.28	81.20	54.00	27.20	AVG	no limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5240MHz

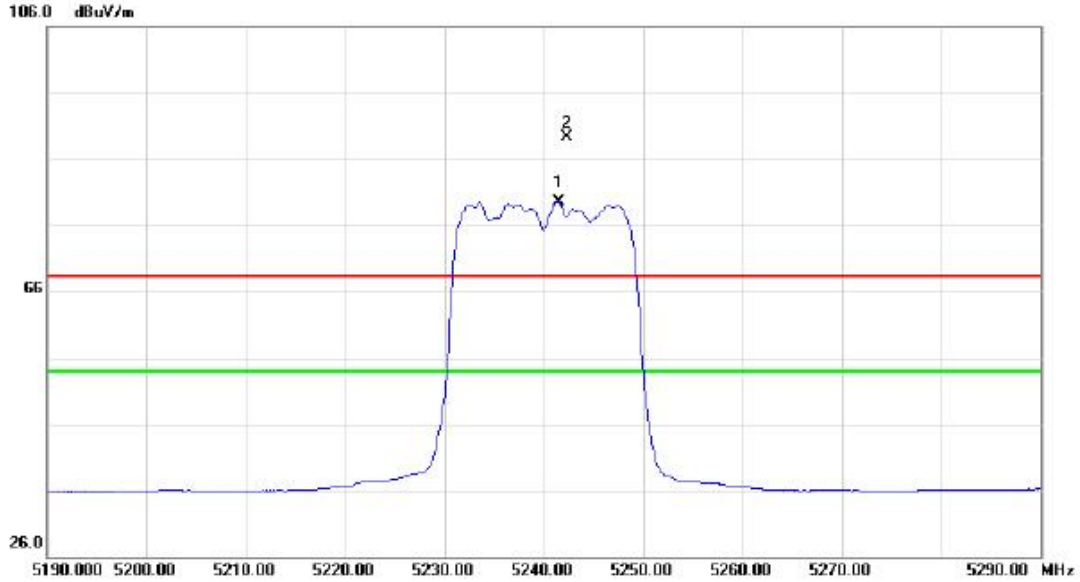
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10480.15	34.97	10.94	45.91	68.30	-22.39	peak	
2	*	10480.15	27.65	10.94	38.59	54.00	-15.41	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5240MHz

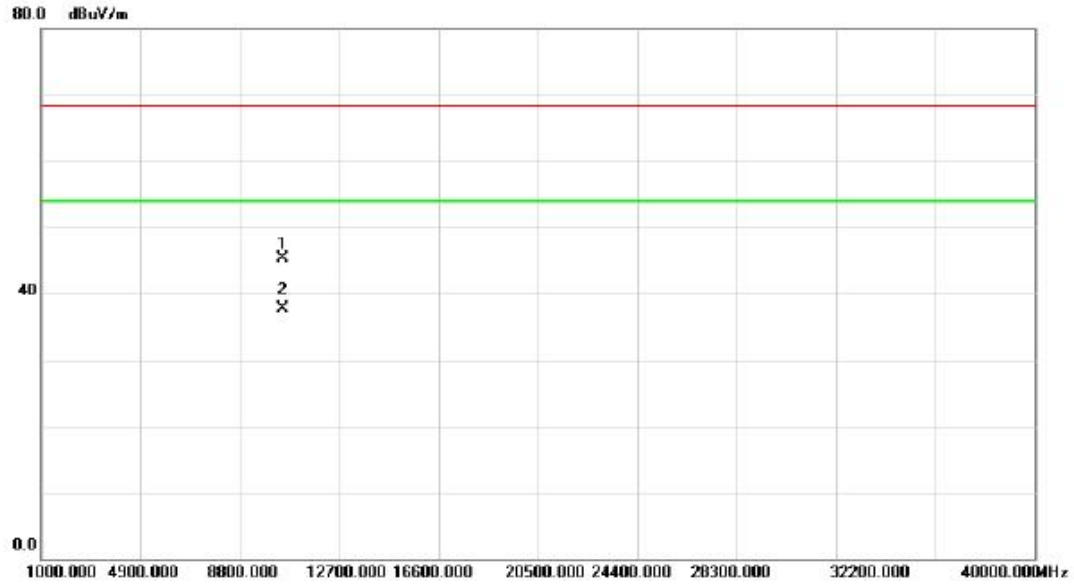
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5241.500	40.19	39.30	79.49	54.00	25.49	AVG	no limit
2	X	5242.300	49.98	39.30	89.28	68.30	20.98	peak	no limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC20 Mode 5240MHz

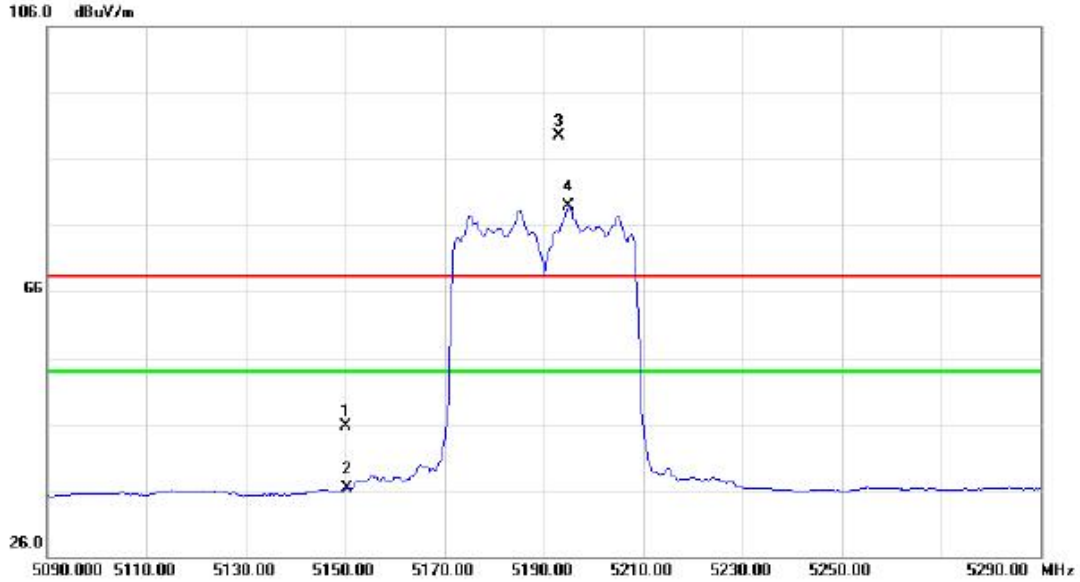
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10479.90	34.36	10.94	45.30	68.30	-23.00	peak	
2	*	10479.90	26.72	10.94	37.66	54.00	-16.34	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5190MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	6.67	39.00	45.67	68.30	-22.63	peak	
2		5150.000	-2.77	39.00	36.23	54.00	-17.77	AVG	
3	X	5193.000	50.30	39.14	89.44	68.30	21.14	peak	no limit
4	*	5195.000	39.85	39.15	79.00	54.00	25.00	AVG	no limit

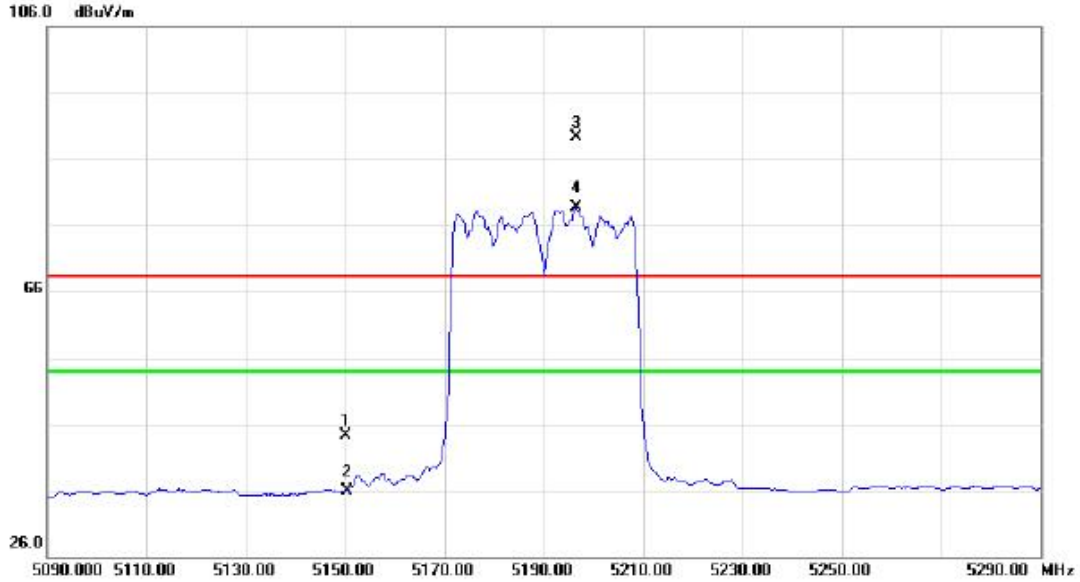
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5190MHz

Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10380.15	34.30	11.08	45.38	68.30	-22.92	peak	
2	*	10380.15	26.72	11.08	37.80	54.00	-16.20	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5190MHz

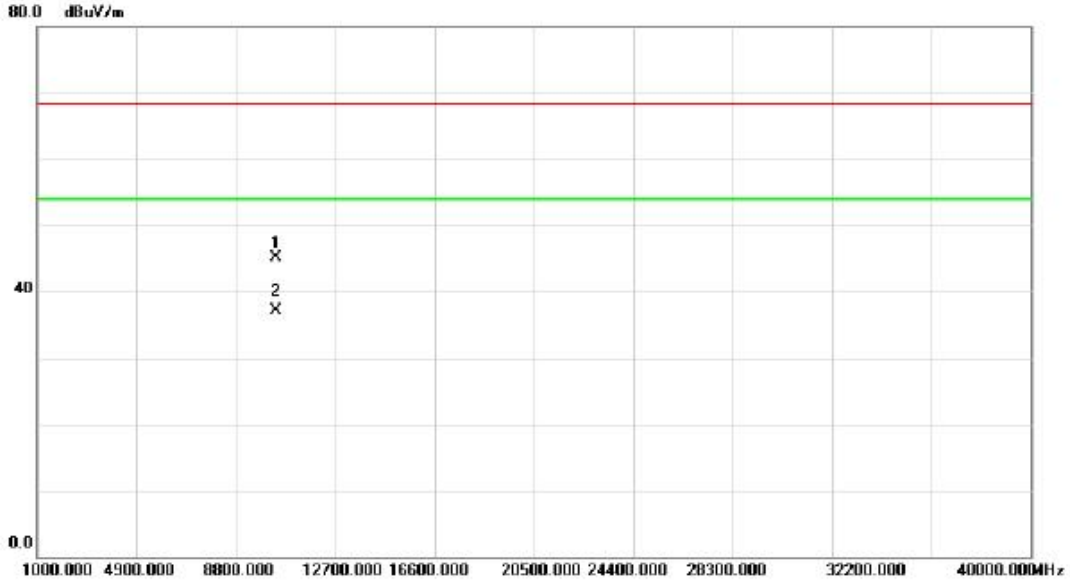
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	5.30	39.00	44.30	68.30	-24.00	peak	
2		5150.000	-3.06	39.00	35.94	54.00	-18.06	AVG	
3	X	5196.400	50.22	39.16	89.38	68.30	21.08	peak	no limit
4	*	5196.400	39.61	39.16	78.77	54.00	24.77	AVG	no limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5190MHz

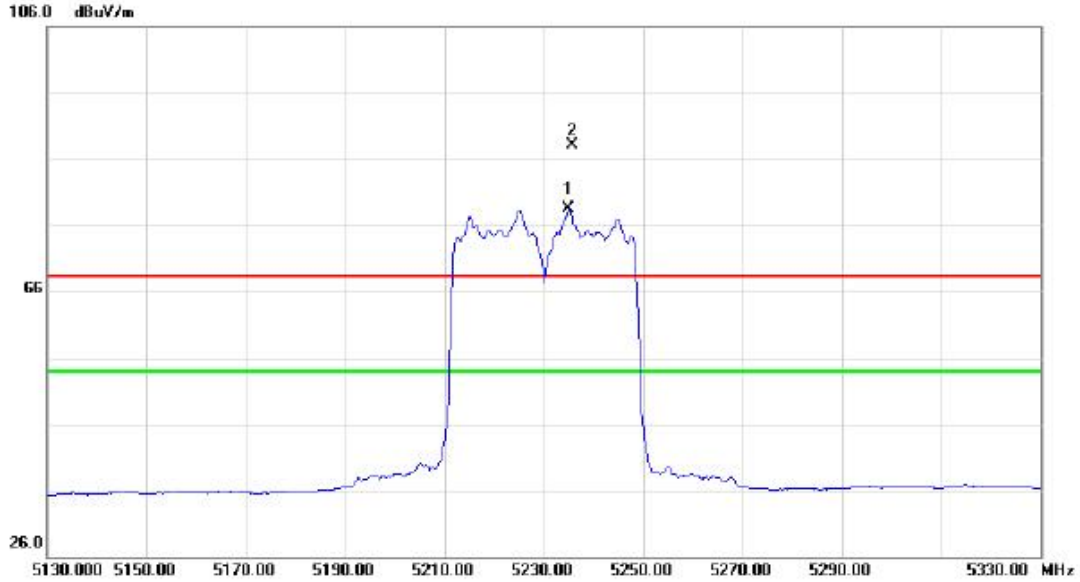
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10379.55	34.12	11.08	45.20	68.30	-23.10	peak	
2	*	10379.55	26.10	11.08	37.18	54.00	-16.82	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5230MHz

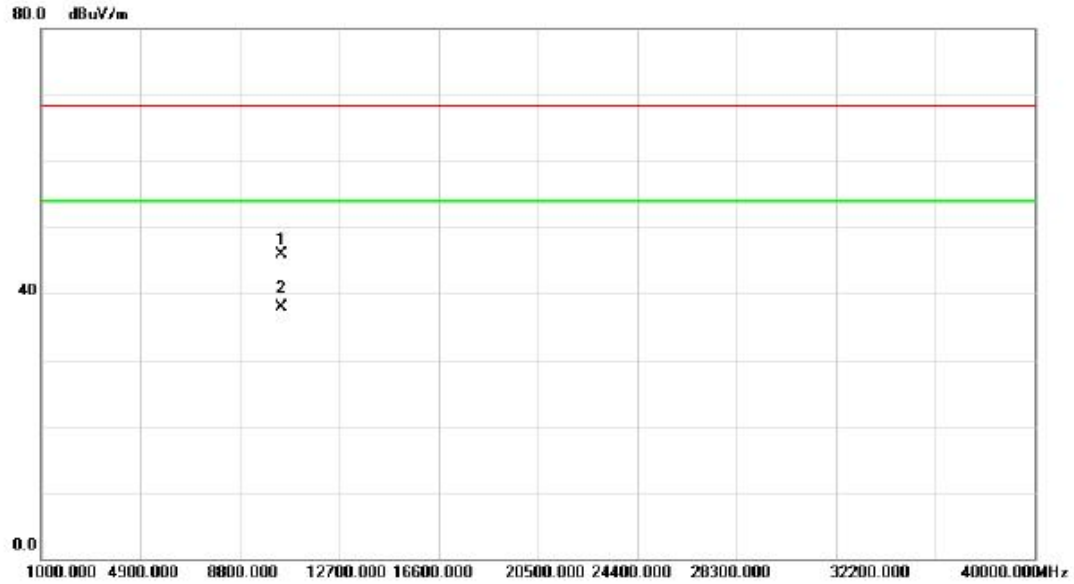
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5235.000	39.19	39.28	78.47	54.00	24.47	AVG	no limit
2	X	5235.600	48.85	39.28	88.13	68.30	19.83	peak	no limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5230MHz

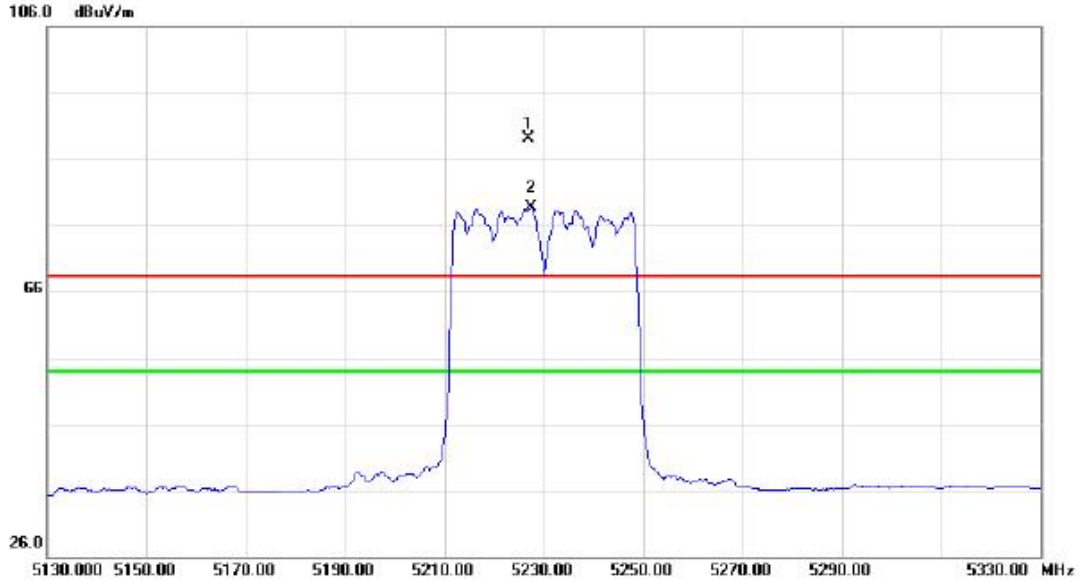
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10460.15	35.03	10.96	45.99	68.30	-22.31	peak	
2	*	10460.15	26.89	10.96	37.85	54.00	-16.15	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5230MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5226.800	49.75	39.26	89.01	68.30	20.71	peak	no limit
2	*	5227.400	39.50	39.26	78.76	54.00	24.76	AVG	no limit

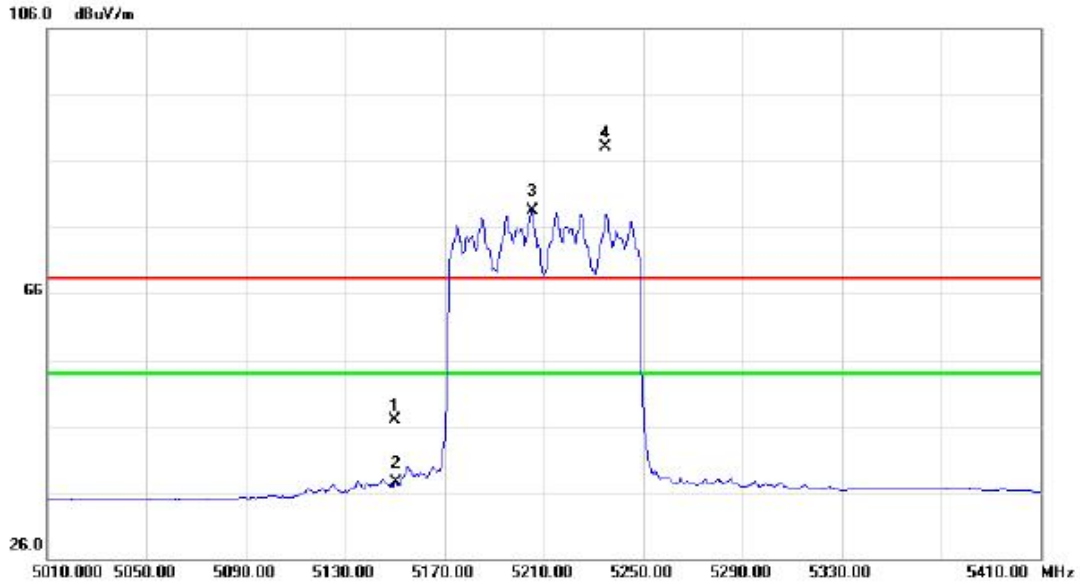
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5230MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10460.55	34.26	10.96	45.22	68.30	-23.08	peak	
2	*	10460.55	26.12	10.96	37.08	54.00	-16.92	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC80 Mode 5210MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	7.89	39.00	46.89	68.30	-21.41	peak	
2		5150.000	-1.59	39.00	37.41	54.00	-16.59	AVG	
3	*	5205.200	39.33	39.18	78.51	54.00	24.51	AVG	no limit
4	X	5234.800	48.88	39.28	88.16	68.30	19.86	peak	no limit

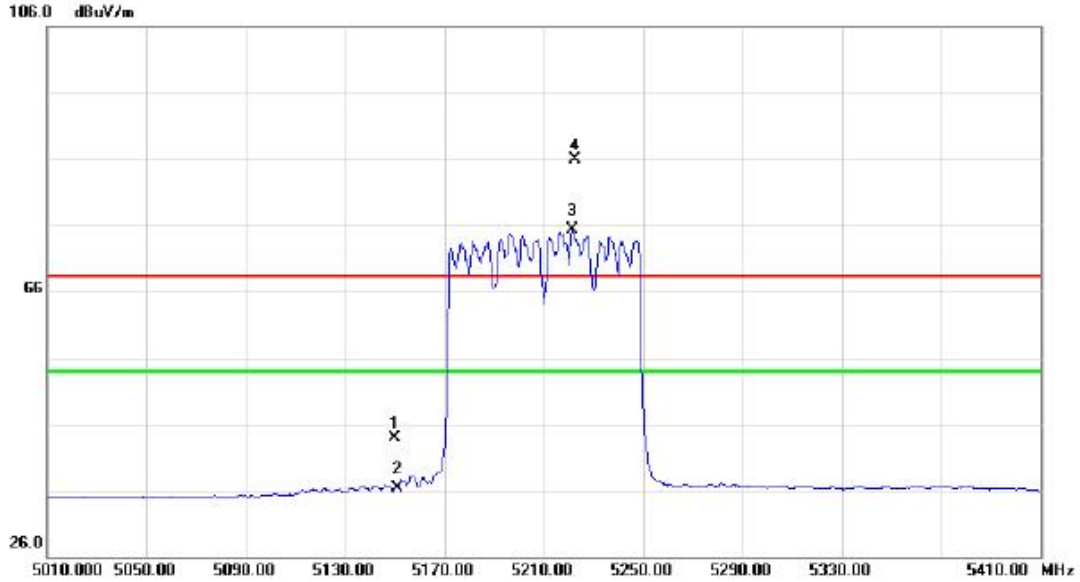
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC80 Mode 5210MHz

Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10420.15	35.00	11.02	46.02	68.30	-22.28	peak	
2	*	10420.15	27.05	11.02	38.07	54.00	-15.93	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC80 Mode 5210MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	4.85	39.00	43.85	68.30	-24.45	peak	
2		5150.000	-2.80	39.00	36.20	54.00	-17.80	AVG	
3	*	5221.200	36.11	39.24	75.35	54.00	21.35	AVG	no limit
4	X	5222.400	46.60	39.24	85.84	68.30	17.54	peak	no limit

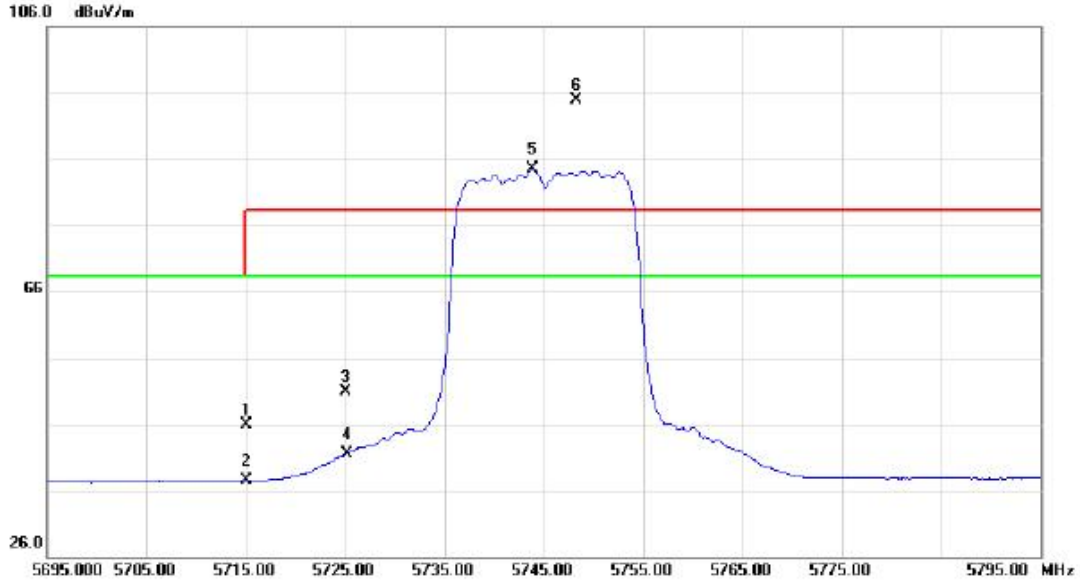
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC80 Mode 5210MHz

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10419.20	32.68	11.02	43.70	68.30	-24.60	peak	
2	*	10419.20	26.37	11.02	37.39	54.00	-16.61	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5745MHz

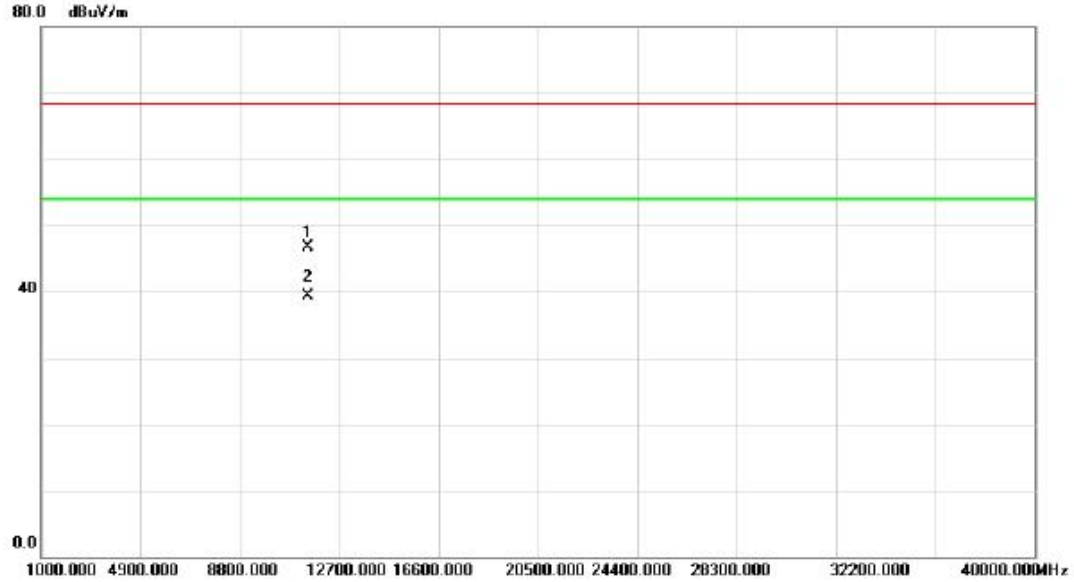
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5715.000	4.76	41.06	45.82	68.30	-22.48	peak	
2		5715.000	-3.59	41.06	37.47	68.30	-30.83	AVG	
3		5725.000	9.80	41.10	50.90	78.30	-27.40	peak	
4		5725.000	0.42	41.10	41.52	68.30	-26.78	AVG	
5	X	5743.900	43.27	41.17	84.44	68.30	16.14	AVG	no limit
6	*	5748.300	53.78	41.19	94.97	78.30	16.67	peak	no limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5745MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11489.20	33.84	12.91	46.75	68.30	-21.55	peak	
2	*	11489.20	26.37	12.91	39.28	54.00	-14.72	AVG	