FCC Radio Test Report

FCC ID: K7SF9K1127V1

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

Project No.	:	1608251
Equipment	:	WiFi repeater
Model Name	:	F9K1127
Applicant	:	Belkin International, Inc.
Address	:	12045 E. Waterfront Drive, Playa Vista, CA 90094 USA

Date of Receipt	:	Jul. 29, 2016
Date of Test	:	Jul. 29, 2016 ~ Oct. 11, 2016
Issued Date	:	Oct. 12, 2016
Tested by	:	BTL Inc.

Testing Engineer : Rush Kao
(Rush Kao)

Technical Manager : Jeff Yang
(Jeff Yang)

Authorized Signatory : Andy Chiu
(Andy Chiu)

BTL INC.

B1, No. 37, Lane 365, Yang-Guang St.,
Nei-Hu District, Taipei City 114, Taiwan.
TEL: +886-2-2657-3299 FAX: +886-2-2657-3331

Declaration

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

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL**shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

BTL's report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and **BTL-self**, extracts from the test report shall not be reproduced except in full with **BTL**'s authorized written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO Guide 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

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.

Table of Contents Page

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1608251	Original Issue.	Oct. 12, 2016

1. CERTIFICATION

Equipment	:	WiFi repeater
Brand Name	:	BelKin
Model Name	:	F9K1127
Applicant	:	Belkin International, Inc.
Manufacturer	:	U-MEDIA Communications, Inc.
Address	:	No. 90, Kuang Fu Nth.Rd., Hsinchu Industrial Park, Hu Kou, Hsinchu, 303, Taiwan
Date of Test	:	Jul. 29, 2016 ~ Oct. 11, 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-2-1608251) 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).

Test results included in this report is only for the 5G WIFI UNII-1 & UNII-3 part.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E			
Standard(s) Section	Test Item	Judgment	Under Limit
15.207	AC Power Line Conducted Emissions	PASS	Limit Minimum passing margin is -3.93 dB at 0.5450 MHz
15.407(a)	26dB Spectrum Bandwidth	PASS	-
15.407(a)	Maximum Conducted Output Power	PASS	Limit Maximum output power is 18.73 dBm
15.407(a)	Power Spectral Density	PASS	-
15.407(a)	Radiated Emissions	PASS	Limit Minimum passing margin is -3.00 dB at 10360.00 MHz
15.407(b)	Band Edge Emissions	PASS	Limit Minimum passing margin is -1.55 dB at 5147.90 MHz
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:

Conducted emission Test:

C05: (VCCI RN: C-4742; FCC RN:674415; FCC DN:TW0659)
No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

Radiated emission Test (Below 1GHz):

CB15: (FCC RN:674415; FCC DN:TW0659)
No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

Radiated emission Test (Above 1GHz):

CB15: (FCC RN:674415; FCC DN:TW0659)
No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

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 ± 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)
C05	CISPR	150 kHz ~ 30MHz	3.06

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	U,(dB)
CB15 (3m)	CISPR	9kHz ~ 150kHz	2.96
		150kHz ~ 30MHz	2.74

Test Site	Method	Measurement Frequency Range	Ant.	U,(dB)
CB15 (3m)	CISPR	30MHz ~ 200MHz	V	4.76
		30MHz ~ 200MHz	H	4.28
		200MHz ~ 1,000MHz	V	5.08
		200MHz ~ 1,000MHz	H	4.50

Test Site	Method	Measurement Frequency Range	Ant.	U,(dB)
CB15 (3m)	CISPR	1GHz ~ 6GHz	V	4.48
		1GHz ~ 6GHz	H	4.50
		6GHz ~ 18GHz	V	4.30
		6GHz ~ 18GHz	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.

Our calculated Measurement Instrumentation Uncertainty is shown in the tables above. These are our U_{lab} values in CISPR 16-4-2 terminology.
Since Table 1 of CISPR 16-4-2 has values of measurement instrumentation uncertainty, called U_{CISPR}, as follows:

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

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

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	WiFi repeater	
Brand Name	BelKin	
Model Name	F9K1127	
Mode Different	N/A	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-3: 5725-5850MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	433.3Mbps
Power Source	AC Mains Power Board: #1 Brand / Model: HON-KWANG / HK-XX12-A12 #2 Brand / Model: AMIGO / AMS174-1201000F #3 Brand / Model: UMEC / UP0121B-12	
Power Rating	I/P: 100-240V~50/60Hz 500mA O/P: 12V⎓1A	
Output Power	Output Power (Max.)for UNII-1 Non-Beamforming	802.11a: 18.57dBm 802.11n (20M): 18.61dBm 802.11n (40M): 18.45dBm 802.11ac (20M): 18.58dBm 802.11ac (40M): 18.38dBm 802.11ac (80M): 16.55dBm
	Output Power (Max.)for UNII-3 Non-Beamforming	802.11a: 18.34dBm 802.11n (20M): 18.31dBm 802.11n (40M): 18.24dBm 802.11ac (20M): 18.26dBm 802.11ac (40M): 18.18dBm 802.11ac (80M): 18.37dBm
	Output Power (Max.)for UNII-1 Beamforming	802.11n (20M): 18.42dBm 802.11n (40M): 18.21dBm 802.11ac (80M): 18.73dBm
	Output Power (Max.)for UNII-3 Beamforming	802.11n (20M): 18.03dBm 802.11n (40M): 18.01dBm 802.11ac (80M): 18.23dBm

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

2. Channel List:

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				

UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

3. Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	Airgain	N2430LTMSSDR 4M	PCB	N/A	2.6
2	Airgain	N2430LTMSSDR 4M	PCB	N/A	2.6

Note:

1) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R).
2) For EUT Non-Beamforming function with CDD mode: then, the **output power:**
   ＊ 802.11a：Directional Gain = Gain = 2.6 dBi < 6dBi
   ＊ 802.11n_HT20、802.11ac_VHT20：Directional Gain = Gain = 2.6 dBi < 6dBi
   ＊ 802.11n_HT40、802.11ac_VHT40：Directional Gain = Gain = 2.6 dBi < 6dBi
   ＊ 802.11ac_VHT80：Directional Gain = Gain = 2.6 dBi < 6dBi
3) For EUT Non-Beamforming function with CDD mode: then, the **power density:**
   ＊ 802.11a：Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 5.61 dBi < 6dBi
   ＊ 802.11n_HT20、802.11ac_VHT20：Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 5.61 dBi < 6dBi
   ＊ 802.11n_HT40、802.11ac_VHT40：Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 5.61 dBi < 6dBi
   ＊ 802.11ac_VHT80：Directional Gain = 10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 5.61 dBi < 6dBi

4) For EUT with Beamforming function, then, the **output power:**

∗ 802.11n_HT20：Directional Gain =
10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 5.61 dBi < 6dBi

∗ 802.11n_HT40：Directional Gain =
10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 5.61 dBi < 6dBi

∗ 802.11ac_VHT80：Directional Gain =
10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 5.61 dBi < 6dBi

5) For EUT with Beamforming function, then, the **power density:**

∗ 802.11n_HT20：Directional Gain =

10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 5.61 dBi < 6dBi

∗ 802.11n_HT40：Directional Gain =

10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 5.61 dBi < 6dBi

∗ 802.11ac_VHT80：Directional Gain =

10*log{[10^(G1/20)+10^(G2/20)+…+10^(Gn/20)]^2/NANT} = 5.61 dBi < 6dBi

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)
802.11ac(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 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 AC Power Line Conducted Emissions Test	
Final Test Mode	Description
Mode 13	TX Mode

For 26dB Spectrum Bandwidth 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)

For Maximum Conducted Output Power 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)

For Power Spectral Density 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)

For Radiated Emissions 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)

For Band Edge Emissions 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)

For Frequency Stability Test	
Final Test Mode	Description
Mode 1	TX A Mode / CH36 (UNII-1)
Mode 7	TX A Mode / CH149 (UNII-3)

Note:

(1) For radiated below 1G 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

Non-Beamforming

UNII-1			
Test Software Version	ART		
Frequency (MHz)	5180	5200	5240
A Mode	16,14	16,14	16,14
N20 Mode	17,15	17,15	17,15
Frequency (MHz)	5190	5230	
N40 Mode	12,11	16,15	

UNII-3			
Test Software Version	ART		
Frequency (MHz)	5745	5785	5825
A Mode	17,15	17,15	17,15
N20 Mode	18,16	18,16	18,16
Frequency (MHz)	5755	5795	
N40 Mode	16,15	16,15	

UNII-1			
Test Software Version	ART		
Frequency (MHz)	5180	5200	5240
AC20 Mode	17,15	17,15	17,15
Frequency (MHz)	5190	5230	
AC40 Mode	12,11	16,15	
Frequency (MHz)	5210		
AC80 Mode	0F,0E		

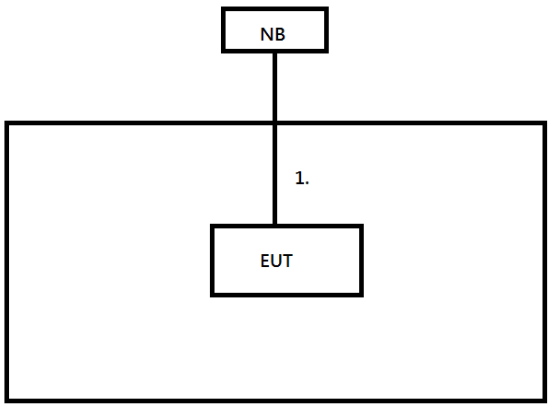
UNII-3			
Test Software Version	ART		
Frequency (MHz)	5745	5785	5825
AC20 Mode	18,16	18,16	18,16
Frequency (MHz)	5755	5795	
AC40 Mode	16,15	16,15	
Frequency (MHz)	5775		
AC80 Mode	17,16		

Beamforming

UNII-1			
Test Software Version			
Frequency (MHz)	5180	5200	5240
N20 Mode	17,15	17,15	17,15
Frequency (MHz)	5190	5230	
N40 Mode	12,11	16,15	
Frequency (MHz)	5210		
AC80 Mode	0F,0E		

UNII-3			
Test Software Version			
Frequency (MHz)	5745	5785	5825
N20 Mode	18,16	18,16	18,16
Frequency (MHz)	5755	5795	
N40 Mode	16,15	16,15	
Frequency (MHz)	5775		
AC80 Mode	17,16		

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	Series No.
A	Notebook PC	Acer	TravelMate P446	DOC	NXVAJTA0015520042 C7600

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	10m	RJ45

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

FREQUENCY (MHz)	Class B (dBuV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	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 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.

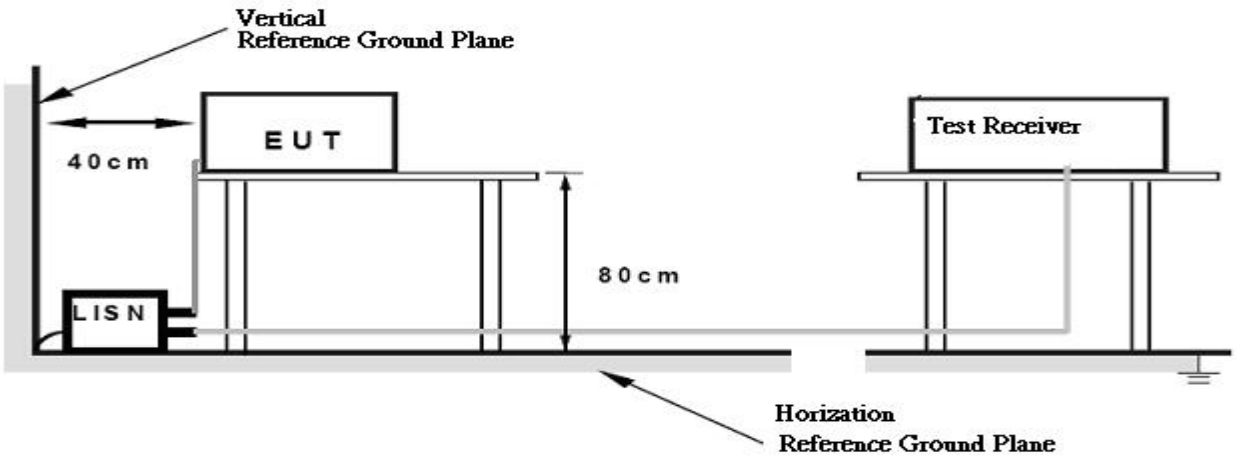
d. LISN at least 80 cm from nearest part of EUT chassis.

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: 53%
Test Voltage: AC 120V/60Hz

4.1.7 TEST RESULTS

Please refer to the Attachment A.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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

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

Note:

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

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

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

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

Note:

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

2. According to FCC 16-24,All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below theband 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 orbelow 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.

Beamforming Pattern:

a. circular beamforming pattern

Perform a baseline test over a circle (or portion of a circle encompassing the steerable range of the beam) with the receive antenna placed at a constant distance R from the EUT antenna and located at various settings of φ. The angular distance between any two adjacent φ points shall be less than or equal to 15°.

At each beam orientation, scan the receive antenna in small increments of θ and φ relative to the EUT antenna and vary the orientation of the receive antenna in small increments of (γ) relative to the receive antenna at ξ = 0° and 90° to maximize the emission. The receive antenna scan along θ is needed in case the peak of the beam lobe is not at an elevation of exactly 0°. If the transmit beam orientation is polarized at something other than vertical or horizontal, then vary the receive antenna ξ to find the worst-case polarization.

Starting from the φ orientation that produces the highest received level, perform additional investigative tests around this orientation using smaller increments of φ as required finding the worst-case φ orientation.

b. spherical beamforming pattern

Perform a baseline test over a sphere (or portion of a sphere encompassing the steerable range of the beam) with the receive antenna placed at a constant distance R from the EUT antenna and located at various combinations of (θ, φ). The arc length between any two adjacent (θ, φ) points shall be less than or equal to R × (π/4 radians) = R × (45°). For the three points (θ, φ) = (0° , 0°), (0° , 30°), and (30° , 30°), the arc length between any two of these points satisfies this condition.

For an antenna that has a steerable range of a half-sphere:

1) With θ set to 0° , φ is set to −90° , −60° , −30° , 0° , +30° , +60° , and +90° .
2) With θ set to +30° , φ is set to −90° , −60° , −30° , 0° , +30° , +60° , and +90° .
3) With θ set to −30° , φ is set to −90° , −60° , −30° , 0° , +30° , +60° , and +90° .
4) With θ set to +60° , φ is set to −90° , −45° , 0° , +45° , and +90° .
5) With θ set to −60° , φ is set to −90° , −45° , 0° , +45° , and +90° .
6) With θ set to +90° , φ is set to either an arbitrary angle or 0° .
7) With θ set to −90° , φ is set to either an arbitrary angle or 0° .

At each beam orientation, scan the receive antenna in small increments of θ and φ relative to the EUT antenna and vary the orientation of the receive antenna in small increments of (γ) relative to the receive antenna, at ξ = 0° and 90° to maximize the emission. If the transmit beam orientation is polarized at something other than vertical or horizontal, then vary the receive antenna ξ to find the worst-case polarization.

Starting from the (θ, φ) orientation that produces the highest received level, perform additional investigative tests around this orientation using smaller increments of (θ, φ) as required to find the worst-case (θ, φ) orientation.

c. antenna systems with lockable beam

For beam-steering arrays that have a mode (either test or operational) whereby the beam can be locked in a user-selectable orientation, perform the baseline scan with the beam locked to the orientations specified 13.2.1 and 13.2.2 in the applicable circular or spherical baseline scan methodology.

d. antenna systems with nonlockable scanning beam

For beam-steering arrays that sweep the beam in a predictable pattern but do not have a mode whereby the beam can be locked into and cannot be locked in user-selectable orientations, perform the baseline scan with the measurement receive antenna placed at the orientations specified above in the applicable circular or spherical baseline scan methodology. The instrument shall be set to peak detection, and the sweep time of the instrument shall be slow enough to capture the transmit beam as it sweeps across the orientation of the measuring antenna.

e antenna systems with adaptive scanning beam

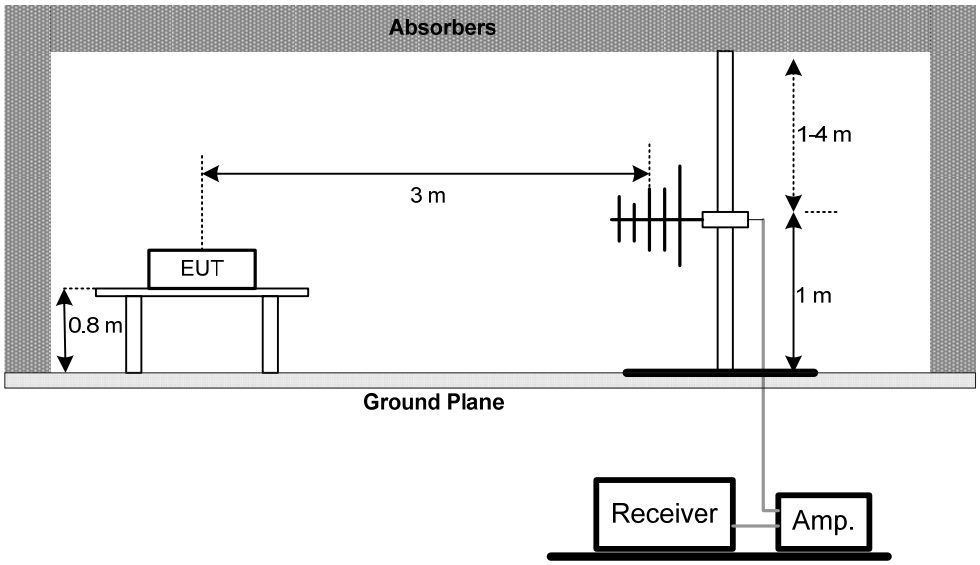
For beam-steering arrays that automatically steer the beam to take advantage of the natural multipaths between radios in the network, a user-adjustable beam locking function shall be provided for test purposes. Use the procedures for the lockable beam version.

4.2.3 DEVIATION FROM TEST STANDARD

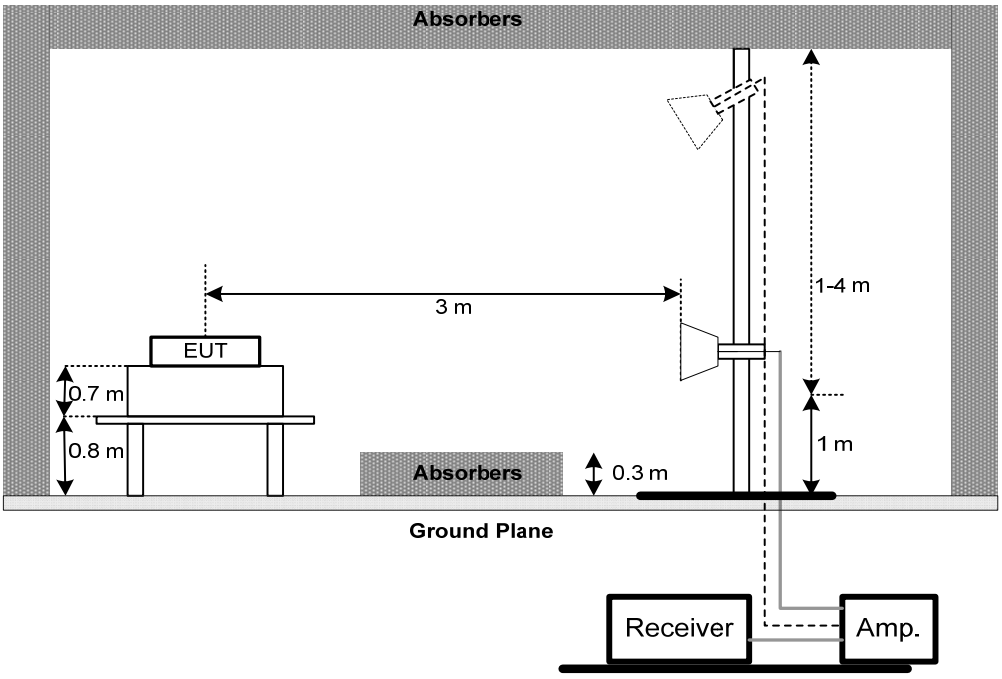
No deviation

4.2.4 TEST SETUP

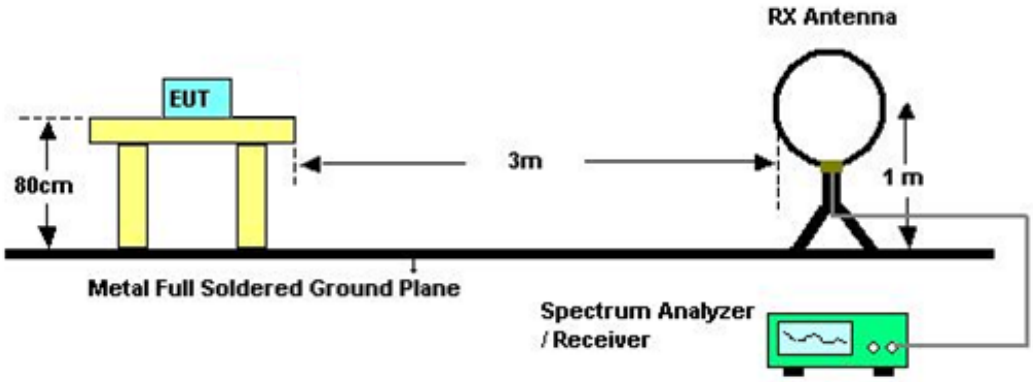
(A)Radiated Emission Test Set-Up Frequency Below 1GHz



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



(C) Radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT was placed on the test table and programmed in normal function.

4.2.6 EUT TEST CONDITIONS

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

4.2.7 TEST RESULTS (9KHZ 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 (30MHZ TO 1000 MHz)

Please refer to the Attachment C.

4.2.9 TEST RESULTS (1GHZ~10TH HARMONIC)

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.

4.3 BAND EDGE MEASUREMENT

4.3.1 RADIATED EMISSION LIMITS

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

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

Note:

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

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

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

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

Note:

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

2. According to FCC 16-24,All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below theband 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 orbelow 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.

4.3.2 TEST PROCEDURE

For Radiated band edges Measurement:

a. The test procedure is the same as section 4.2.2, only the freqeuncy range investigated is limited to 100MHz around band edges.

For Radiated Out of Band Emission Measurement:

a. Test was performed in accordance with KDB 789033 D02 General UNII Test Procedures New Rules v01r03

4.3.3 DEVIATION FROM TEST STANDARD

No deviation

4.3.4 TEST SETUP LAYOUT

For Radiated band edges Measurement:

This test setup layout is the same as that shown in section 4.2.4.

For Radiated Out of Band Emission Measurement:

This test setup layout is the same as that shown in section 4.2.4.

4.3.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.3.6 EUT TEST CONDITIONS

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

4.3.7 TEST RESULTS (BAND EDGE AND FUNDAMENTAL EMISSIONS)

Please refer to the Attachment E

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	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.

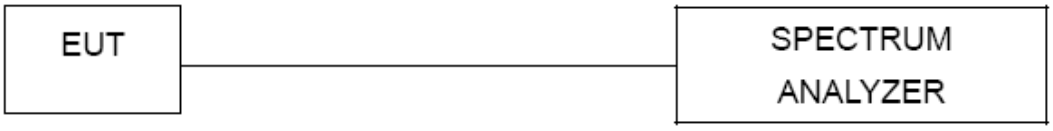
Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> 26dB Bandwidth
RBW	300 kHz
VBW	1000 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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 was placed on the test table and programmed in normal function.

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 F.

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
Note: The maximum e.i.r.p at anyelevation 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	≥ 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 was placed on the test table and programmed in normal function.

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 G.

7. POWER SPECTRAL DENSITY TEST

7.1 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 average	100 trace
Sweep Time	Auto

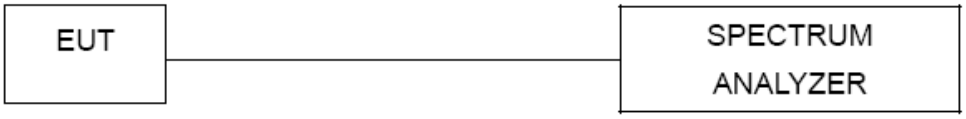
Note:

1. For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules, 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.

7.1.1 DEVIATION FROM STANDARD

No deviation.

7.1.2 TEST SETUP



7.1.3 EUT OPERATION CONDITIONS

The EUT was placed on the test table and programmed in normal function.

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	5150-5250	PASS
		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	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

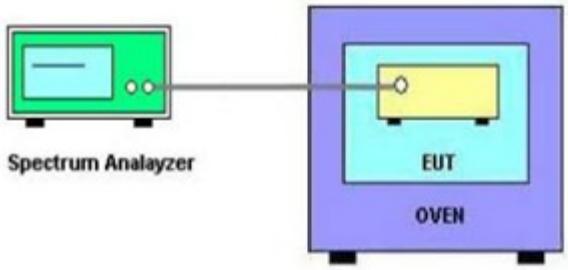
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

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

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

The EUT was placed on the test table and programmed in normal function.

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	TWO-LINE V-NETWORK	R&S	ENV216	101050	Jan. 26, 2017
2	Test Cable	TIMES	CFD300-NL	C02	Jun. 15, 2017
3	EMI Test Receiver	R&S	ESR7	101433	Dec. 10, 2016
4	Measurement Software	EZ	EZ_EMC (Version NB-03A)	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB9168-352	9168-352	Feb. 04, 2017
2	Horn Antenna	Schwarzbeck	BBHA 9120	D-546	Nov. 05, 2017
3	Pre-Amplifier	HP	8447D	2944A08891	Mar. 09 2017
4	Pre-Amplifier	Agilent	8449B	3008A02331	Jan. 24, 2017
5	Test Cable	EMCI	EMC8D-NM-NM -8000	150301	Mar. 09, 2017
6	Test Cable	EMCI	EMC104-SM-S M-2500	150303	Mar. 09, 2017
7	Test Cable	EMCI	EMC104-NM-S M-1000	150304	Mar. 09, 2017
8	Test Cable	EMCI	EMC104-SM-S M-5000	150302	Mar. 29, 2017
9	Test Cable	EMCI	EMC104-SM-S M-800	150305	Mar. 29, 2017
10	EXA Spectrum Analyzer	Agilent	N9010A	MY52220990	Feb. 24, 2017
11	EMI Test Receiver	Agilent	N9038A	MY51210215	Jan. 08, 2017
12	Loop Antenna	EMCO	6502	00042960	Nov. 06. 2016

Spectrum Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 18, 2017

Maximum Conducted Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	Anritsu	ML2487A	6K00004714	May 18, 2017
2	Power Meter Sensor	Anritsu	MA2491A	034138	May 17, 2017

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 18, 2017

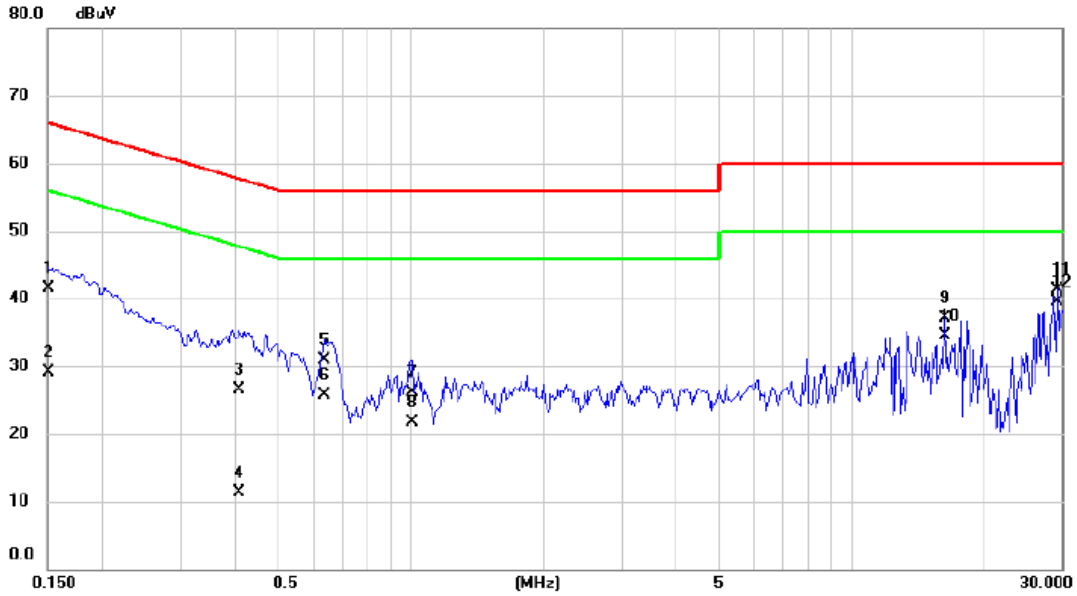
Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 18, 2017
2	Precision Oven Tester	HOLINK	H-T-1F-D	BA03101701	May 22, 2017

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:	UNII-1/TX Mode_Adapter: HON-KWANG / HK-XX12-A12

Line

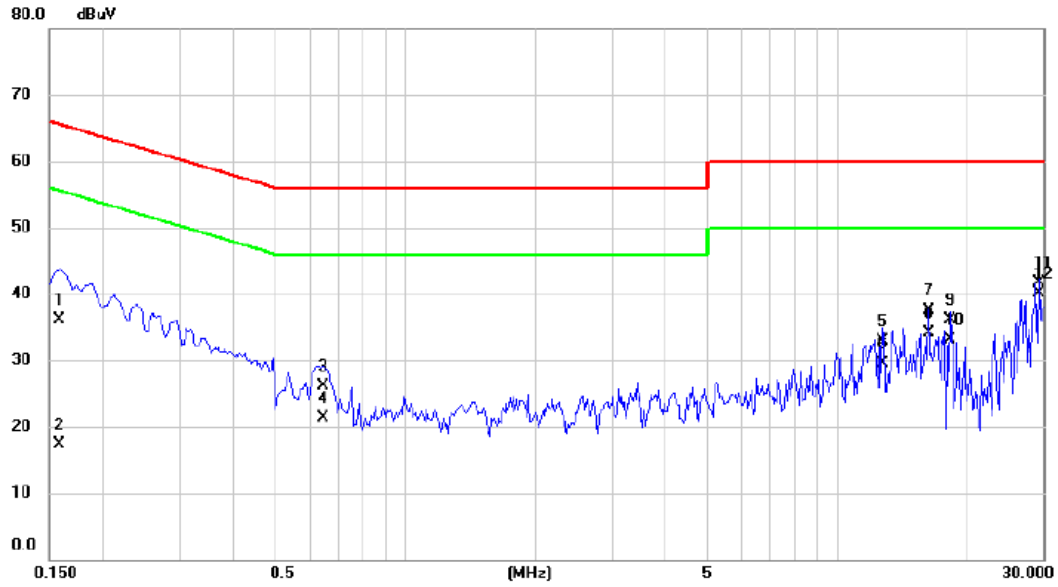


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	31.80	9.66	41.46	66.00	-24.54	QP	
2		0.1500	19.40	9.66	29.06	56.00	-26.94	AVG	
3		0.4083	16.80	9.66	26.46	57.68	-31.22	QP	
4		0.4083	1.70	9.66	11.36	47.68	-36.32	AVG	
5		0.6350	21.20	9.67	30.87	56.00	-25.13	QP	
6		0.6350	16.10	9.67	25.77	46.00	-20.23	AVG	
7		1.0040	16.50	9.67	26.17	56.00	-29.83	QP	
8		1.0040	12.10	9.67	21.77	46.00	-24.23	AVG	
9		16.2500	27.20	9.95	37.15	60.00	-22.85	QP	
10		16.2500	24.60	9.95	34.55	50.00	-15.45	AVG	
11		29.2500	31.30	9.98	41.28	60.00	-18.72	QP	
12	*	29.2500	29.50	9.98	39.48	50.00	-10.52	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-1/TX Mode_Adapter: HON-KWANG / HK-XX12-A12

Neutral

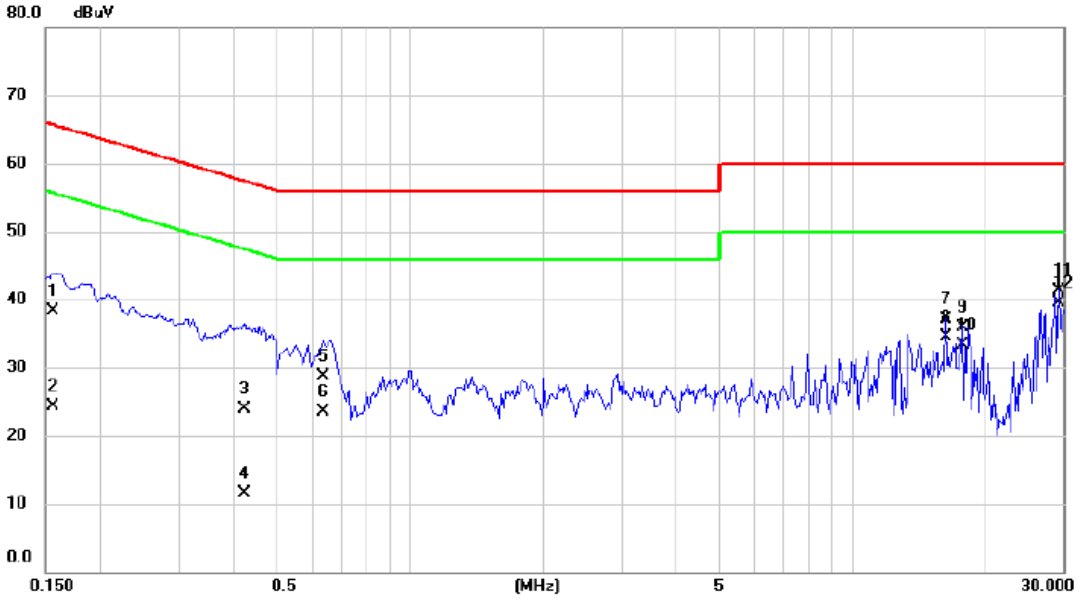


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1584	26.50	9.67	36.17	65.55	-29.38	QP	
2		0.1584	7.60	9.67	17.27	55.55	-38.28	AVG	
3		0.6440	16.50	9.67	26.17	56.00	-29.83	QP	
4		0.6440	11.70	9.67	21.37	46.00	-24.63	AVG	
5		12.7500	23.00	9.89	32.89	60.00	-27.11	QP	
6		12.7500	19.70	9.89	29.59	50.00	-20.41	AVG	
7		16.2500	27.50	9.94	37.44	60.00	-22.56	QP	
8		16.2500	24.20	9.94	34.14	50.00	-15.86	AVG	
9		18.2500	26.20	9.96	36.16	60.00	-23.84	QP	
10		18.2500	23.10	9.96	33.06	50.00	-16.94	AVG	
11		29.2500	31.80	10.00	41.80	60.00	-18.20	QP	
12	*	29.2500	30.20	10.00	40.20	50.00	-9.80	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-3/TX Mode_Adapter: HON-KWANG / HK-XX12-A12

Line

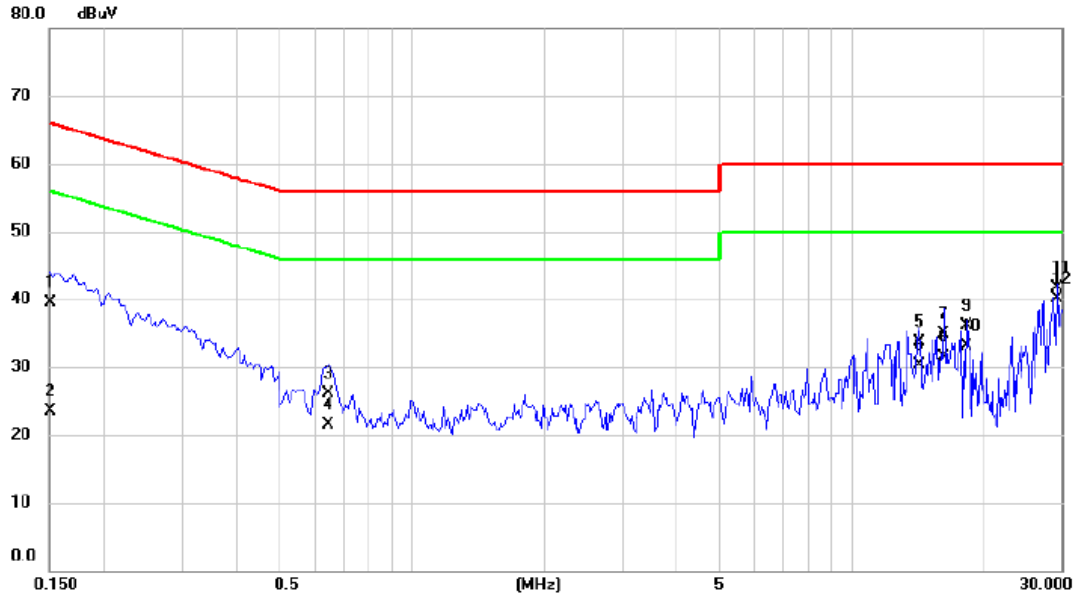


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1563	28.60	9.66	38.26	65.66	-27.40	QP	
2		0.1563	14.60	9.66	24.26	55.66	-31.40	AVG	
3		0.4230	14.20	9.66	23.86	57.39	-33.53	QP	
4		0.4230	1.80	9.66	11.46	47.39	-35.93	AVG	
5		0.6350	19.10	9.67	28.77	56.00	-27.23	QP	
6		0.6350	13.90	9.67	23.57	46.00	-22.43	AVG	
7		16.2500	27.10	9.95	37.05	60.00	-22.95	QP	
8		16.2500	24.50	9.95	34.45	50.00	-15.55	AVG	
9		17.7000	25.90	9.97	35.87	60.00	-24.13	QP	
10		17.7000	23.40	9.97	33.37	50.00	-16.63	AVG	
11		29.2500	31.30	9.98	41.28	60.00	-18.72	QP	
12	*	29.2500	29.50	9.98	39.48	50.00	-10.52	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-3/TX Mode_Adapter: HON-KWANG / HK-XX12-A12

Neutral

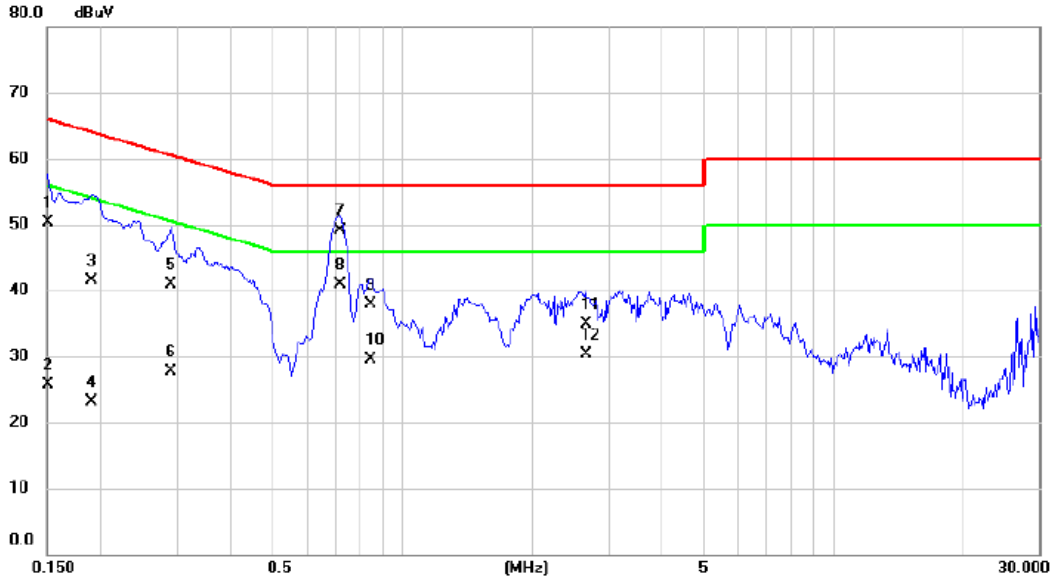


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	29.80	9.67	39.47	66.00	-26.53	QP	
2		0.1500	13.80	9.67	23.47	56.00	-32.53	AVG	
3		0.6440	16.50	9.67	26.17	56.00	-29.83	QP	
4		0.6440	11.90	9.67	21.57	46.00	-24.43	AVG	
5		14.2000	23.80	9.93	33.73	60.00	-26.27	QP	
6		14.2000	20.40	9.93	30.33	50.00	-19.67	AVG	
7		16.2000	24.90	9.94	34.84	60.00	-25.16	QP	
8		16.2000	21.50	9.94	31.44	50.00	-18.56	AVG	
9		18.2500	26.20	9.96	36.16	60.00	-23.84	QP	
10		18.2500	23.10	9.96	33.06	50.00	-16.94	AVG	
11		29.2500	31.80	10.00	41.80	60.00	-18.20	QP	
12	*	29.2500	30.20	10.00	40.20	50.00	-9.80	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-1/TX Mode_Adapter: UMEC / UP0121B-12

Line

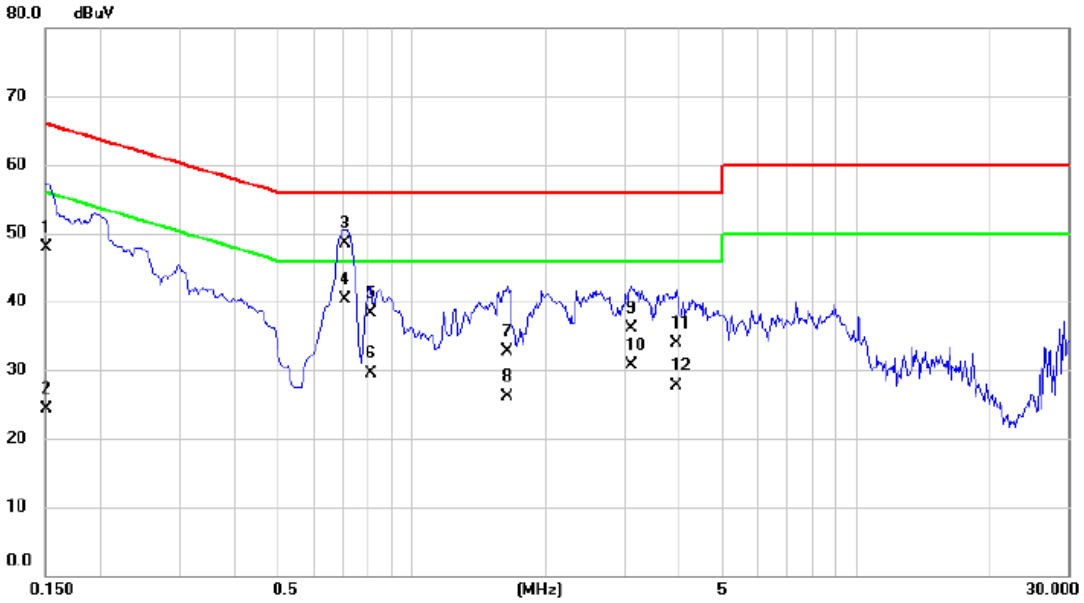


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	40.60	9.66	50.26	66.00	-15.74	QP	
2		0.1500	16.00	9.66	25.66	56.00	-30.34	AVG	
3		0.1900	31.90	9.66	41.56	64.04	-22.48	QP	
4		0.1900	13.50	9.66	23.16	54.04	-30.88	AVG	
5		0.2907	31.20	9.67	40.87	60.50	-19.63	QP	
6		0.2907	18.10	9.67	27.77	50.50	-22.73	AVG	
7		0.7160	39.50	9.67	49.17	56.00	-6.83	QP	
8	*	0.7160	31.30	9.67	40.97	46.00	-5.03	AVG	
9		0.8420	28.30	9.67	37.97	56.00	-18.03	QP	
10		0.8420	19.80	9.67	29.47	46.00	-16.53	AVG	
11		2.6600	25.10	9.75	34.85	56.00	-21.15	QP	
12		2.6600	20.50	9.75	30.25	46.00	-15.75	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-1/TX Mode_Adapter: UMEC / UP0121B-12

Neutral

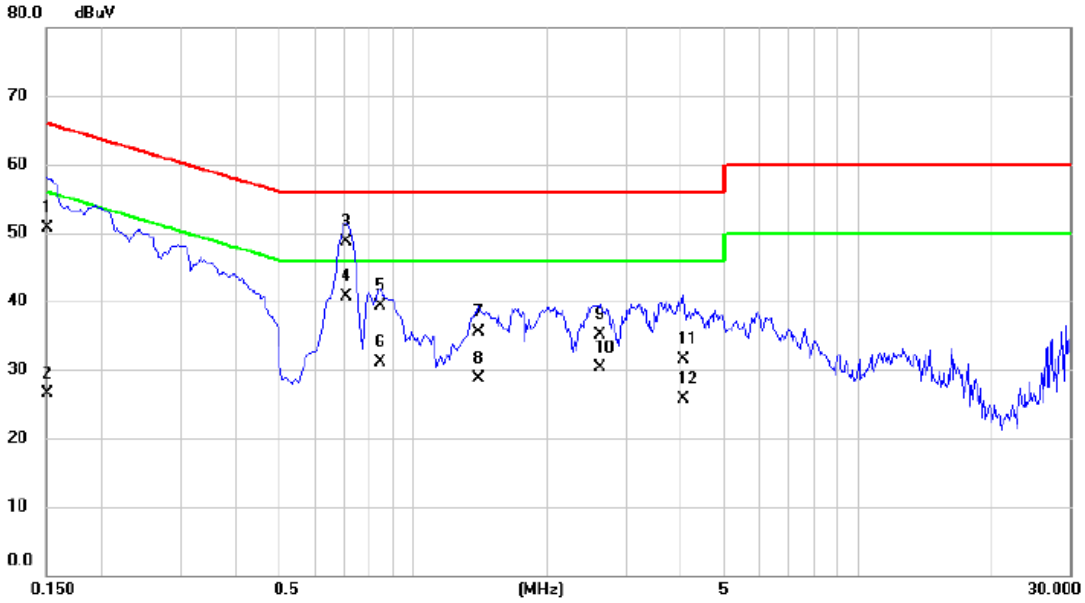


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	38.30	9.67	47.97	66.00	-18.03	QP	
2		0.1500	14.60	9.67	24.27	56.00	-31.73	AVG	
3		0.7070	38.90	9.68	48.58	56.00	-7.42	QP	
4	*	0.7070	30.70	9.68	40.38	46.00	-5.62	AVG	
5		0.8060	28.60	9.68	38.28	56.00	-17.72	QP	
6		0.8060	19.80	9.68	29.48	46.00	-16.52	AVG	
7		1.6430	22.90	9.72	32.62	56.00	-23.38	QP	
8		1.6430	16.30	9.72	26.02	46.00	-19.98	AVG	
9		3.1100	26.40	9.77	36.17	56.00	-19.83	QP	
10		3.1100	21.00	9.77	30.77	46.00	-15.23	AVG	
11		3.9380	24.20	9.79	33.99	56.00	-22.01	QP	
12		3.9380	17.90	9.79	27.69	46.00	-18.31	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-3/TX Mode_Adapter: UMEC / UP0121B-12

Line

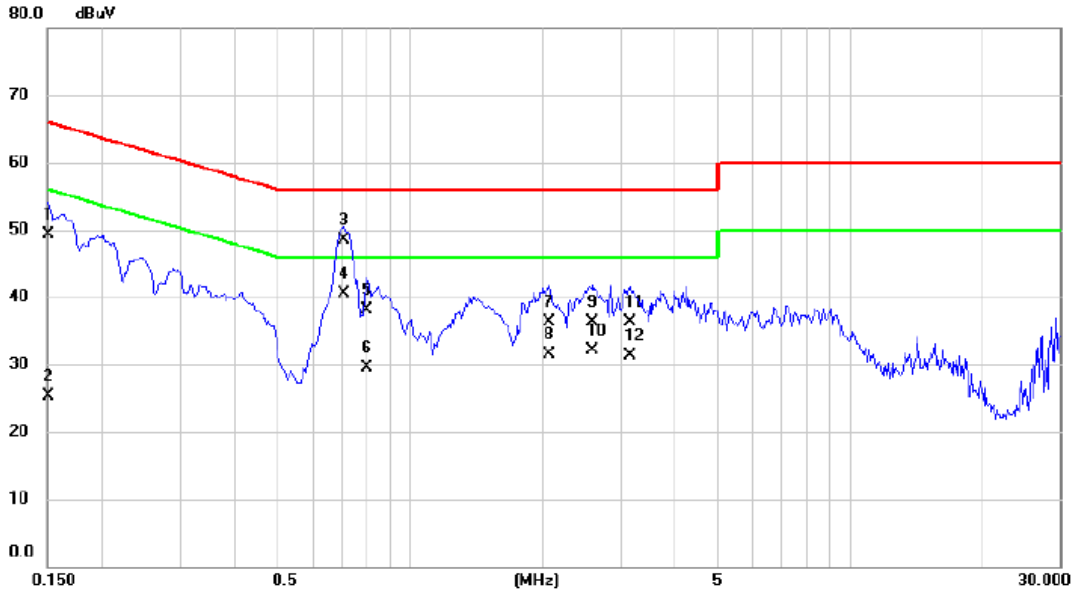


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	41.00	9.66	50.66	66.00	-15.34	QP	
2		0.1500	16.80	9.66	26.46	56.00	-29.54	AVG	
3		0.7070	39.10	9.67	48.77	56.00	-7.23	QP	
4	*	0.7070	31.10	9.67	40.77	46.00	-5.23	AVG	
5		0.8420	29.70	9.67	39.37	56.00	-16.63	QP	
6		0.8420	21.40	9.67	31.07	46.00	-14.93	AVG	
7		1.4000	25.80	9.69	35.49	56.00	-20.51	QP	
8		1.4000	19.00	9.69	28.69	46.00	-17.31	AVG	
9		2.6240	25.30	9.75	35.05	56.00	-20.95	QP	
10		2.6240	20.60	9.75	30.35	46.00	-15.65	AVG	
11		4.0370	21.80	9.79	31.59	56.00	-24.41	QP	
12		4.0370	15.90	9.79	25.69	46.00	-20.31	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-3/TX Mode_Adapter: UMEC / UP0121B-12

Neutral

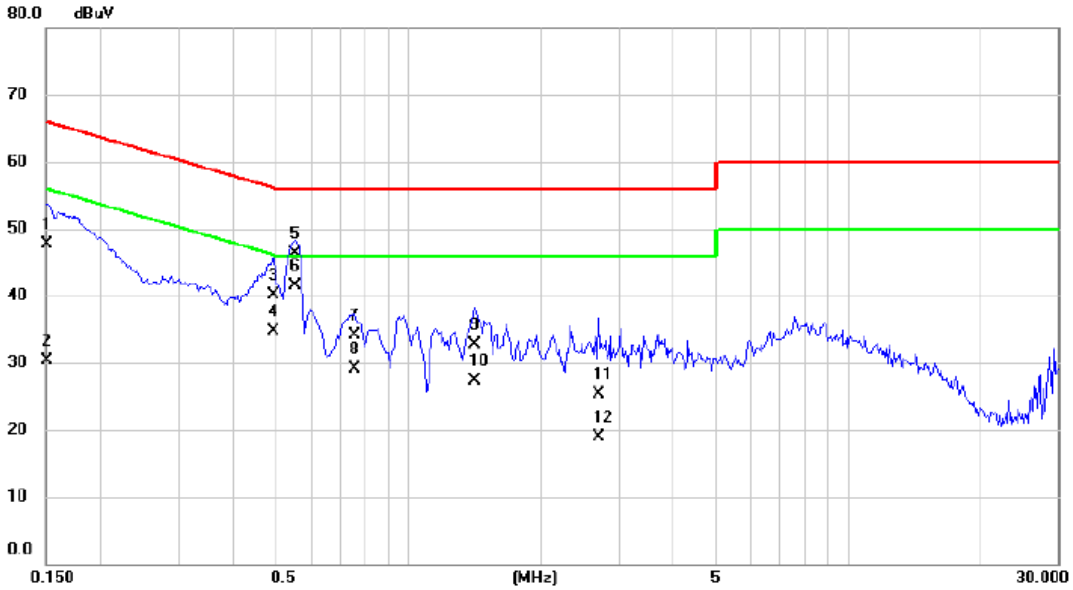


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	39.60	9.67	49.27	66.00	-16.73	QP	
2		0.1500	15.60	9.67	25.27	56.00	-30.73	AVG	
3		0.7070	38.80	9.68	48.48	56.00	-7.52	QP	
4	*	0.7070	30.80	9.68	40.48	46.00	-5.52	AVG	
5		0.7970	28.50	9.68	38.18	56.00	-17.82	QP	
6		0.7970	19.90	9.68	29.58	46.00	-16.42	AVG	
7		2.0660	26.60	9.74	36.34	56.00	-19.66	QP	
8		2.0660	21.80	9.74	31.54	46.00	-14.46	AVG	
9		2.5970	26.60	9.75	36.35	56.00	-19.65	QP	
10		2.5970	22.30	9.75	32.05	46.00	-13.95	AVG	
11		3.1640	26.60	9.77	36.37	56.00	-19.63	QP	
12		3.1640	21.50	9.77	31.27	46.00	-14.73	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-1/TX Mode_Adapter: AMIGO / AMS174-1201000F

Line

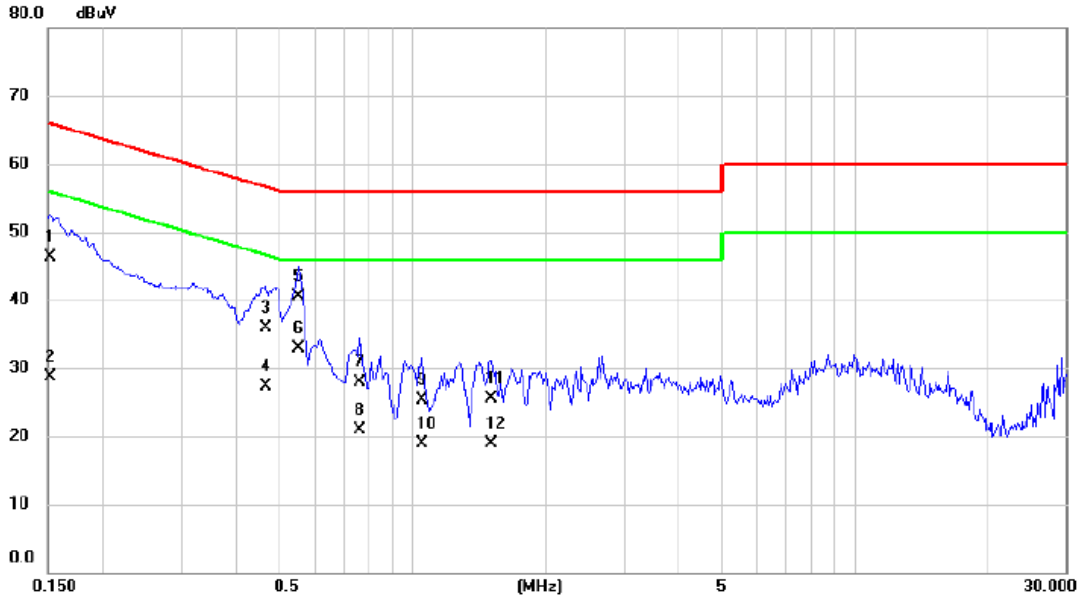


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	38.10	9.66	47.76	66.00	-18.24	QP	
2		0.1500	20.60	9.66	30.26	56.00	-25.74	AVG	
3		0.4916	30.50	9.67	40.17	56.14	-15.97	QP	
4		0.4916	25.10	9.67	34.77	46.14	-11.37	AVG	
5		0.5540	36.60	9.67	46.27	56.00	-9.73	QP	
6	*	0.5540	31.90	9.67	41.57	46.00	-4.43	AVG	
7		0.7520	24.50	9.67	34.17	56.00	-21.83	QP	
8		0.7520	19.50	9.67	29.17	46.00	-16.83	AVG	
9		1.4090	23.10	9.69	32.79	56.00	-23.21	QP	
10		1.4090	17.70	9.69	27.39	46.00	-18.61	AVG	
11		2.7050	15.60	9.75	25.35	56.00	-30.65	QP	
12		2.7050	9.20	9.75	18.95	46.00	-27.05	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-1/TX Mode_Adapter: AMIGO / AMS174-1201000F

Neutral

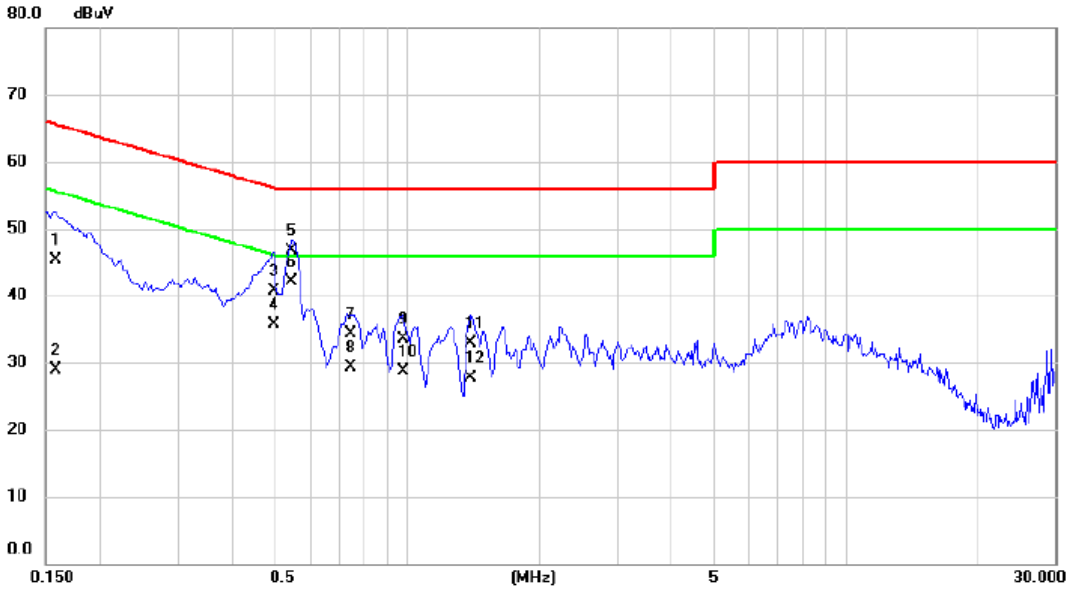


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1514	36.70	9.67	46.37	65.92	-19.55	QP	
2		0.1514	19.00	9.67	28.67	55.92	-27.25	AVG	
3		0.4650	26.20	9.67	35.87	56.60	-20.73	QP	
4		0.4650	17.60	9.67	27.27	46.60	-19.33	AVG	
5		0.5540	30.80	9.67	40.47	56.00	-15.53	QP	
6	*	0.5540	23.20	9.67	32.87	46.00	-13.13	AVG	
7		0.7610	18.30	9.68	27.98	56.00	-28.02	QP	
8		0.7610	11.30	9.68	20.98	46.00	-25.02	AVG	
9		1.0490	15.70	9.68	25.38	56.00	-30.62	QP	
10		1.0490	9.20	9.68	18.88	46.00	-27.12	AVG	
11		1.5080	15.80	9.72	25.52	56.00	-30.48	QP	
12		1.5080	9.20	9.72	18.92	46.00	-27.08	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-3/TX Mode_Adapter: AMIGO / AMS174-1201000F

Line

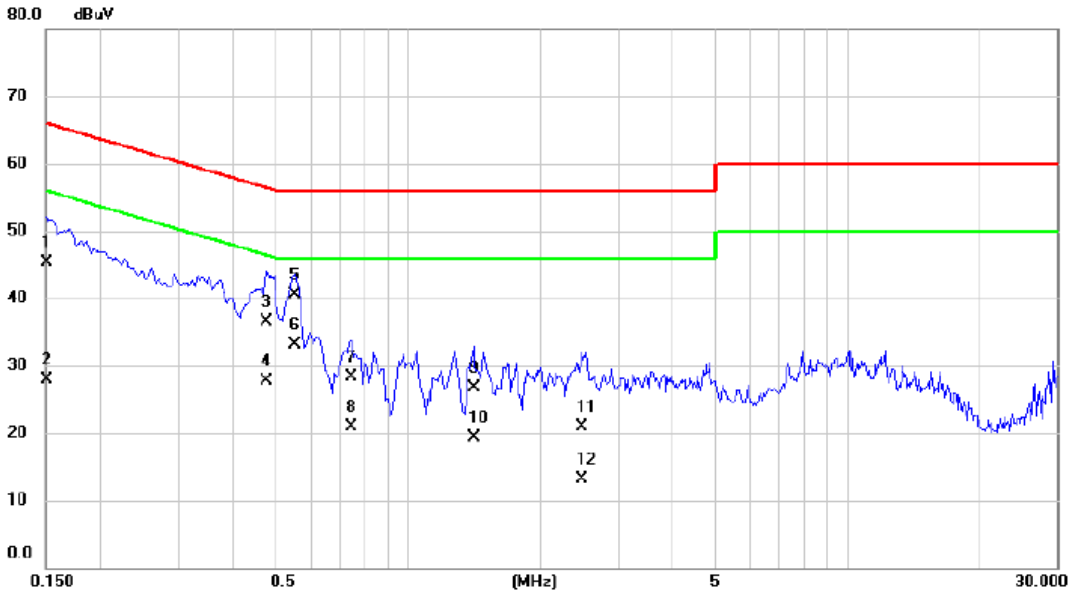


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1577	35.70	9.66	45.36	65.58	-20.22	QP	
2		0.1577	19.30	9.66	28.96	55.58	-26.62	AVG	
3		0.4951	31.00	9.67	40.67	56.08	-15.41	QP	
4		0.4951	26.00	9.67	35.67	46.08	-10.41	AVG	
5		0.5450	37.00	9.67	46.67	56.00	-9.33	QP	
6	*	0.5450	32.40	9.67	42.07	46.00	-3.93	AVG	
7		0.7430	24.60	9.67	34.27	56.00	-21.73	QP	
8		0.7430	19.60	9.67	29.27	46.00	-16.73	AVG	
9		0.9770	23.90	9.67	33.57	56.00	-22.43	QP	
10		0.9770	19.10	9.67	28.77	46.00	-17.23	AVG	
11		1.3910	23.30	9.69	32.99	56.00	-23.01	QP	
12		1.3910	18.00	9.69	27.69	46.00	-18.31	AVG	

Note：The test result has included the cable loss.

Test Mode:	UNII-3/TX Mode_Adapter: AMIGO / AMS174-1201000F

Neutral



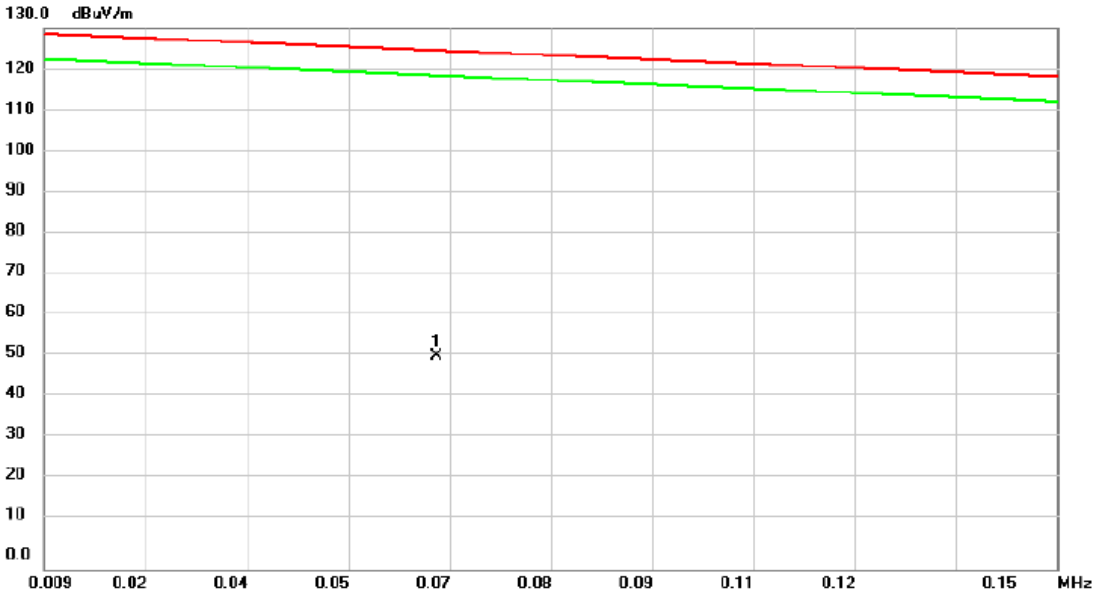
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	35.60	9.67	45.27	66.00	-20.73	QP	
2		0.1500	18.20	9.67	27.87	56.00	-28.13	AVG	
3		0.4776	26.90	9.67	36.57	56.38	-19.81	QP	
4		0.4776	18.10	9.67	27.77	46.38	-18.61	AVG	
5		0.5540	30.80	9.67	40.47	56.00	-15.53	QP	
6	*	0.5540	23.40	9.67	33.07	46.00	-12.93	AVG	
7		0.7430	18.60	9.68	28.28	56.00	-27.72	QP	
8		0.7430	11.30	9.68	20.98	46.00	-25.02	AVG	
9		1.4090	17.10	9.70	26.80	56.00	-29.20	QP	
10		1.4090	9.70	9.70	19.40	46.00	-26.60	AVG	
11		2.4800	11.20	9.75	20.95	56.00	-35.05	QP	
12		2.4800	3.40	9.75	13.15	46.00	-32.85	AVG	

Note：The test result has included the cable loss.

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

Test Mode:	UNII-1/TX Mode_Adapter: HON-KWANG / HK-XX12-A12

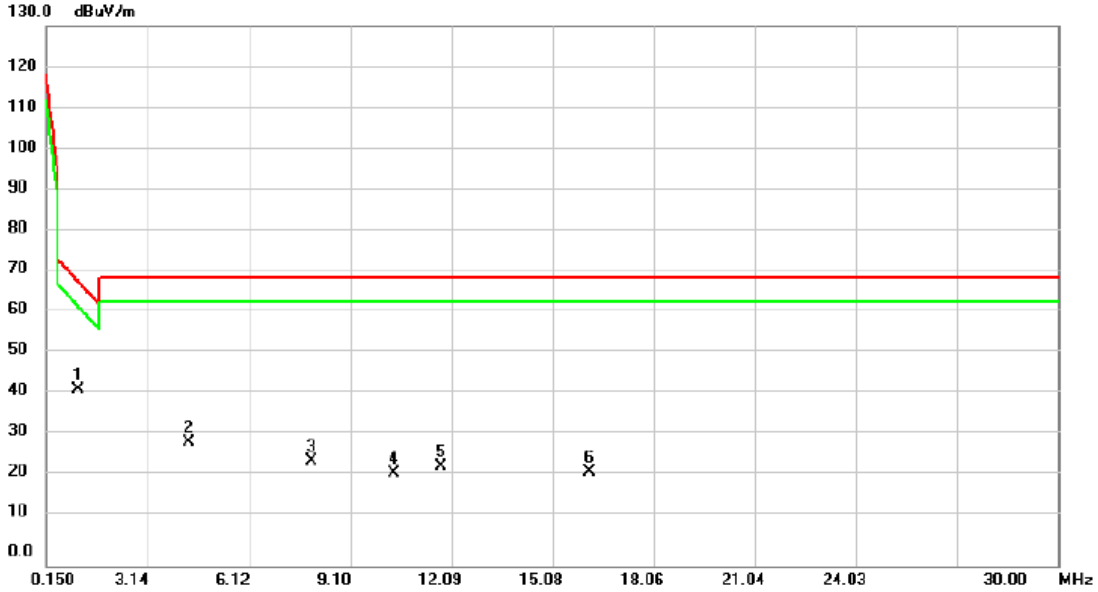
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0636	38.49	12.76	51.25	124.58	-73.33	peak	

Test Mode:	UNII-1/TX Mode_Adapter: HON-KWANG / HK-XX12-A12

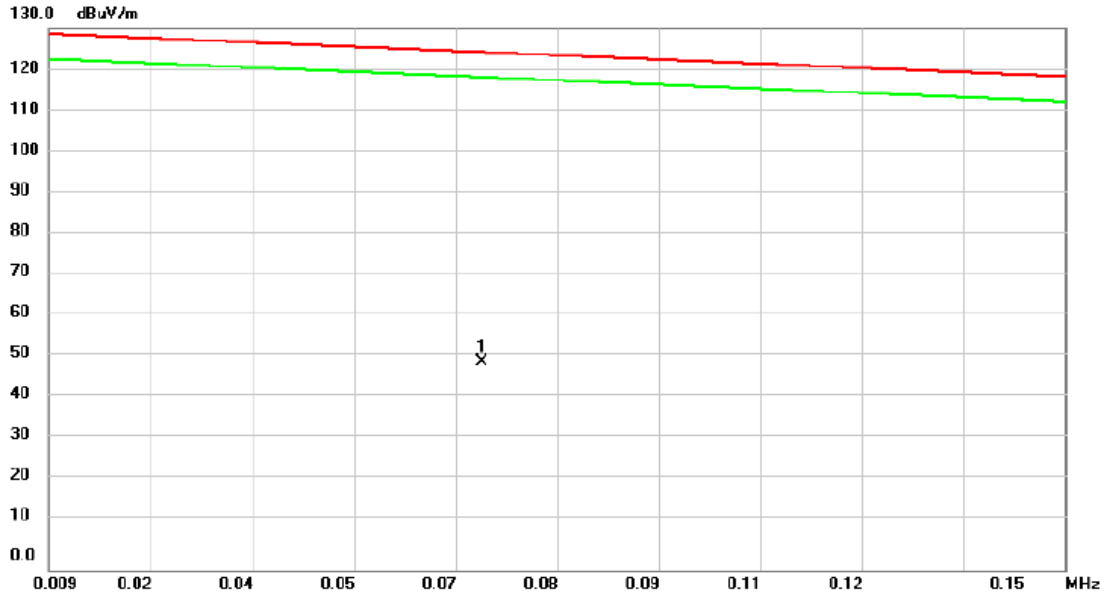
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	1.0750	30.36	11.97	42.33	68.59	-26.26	peak	
2		4.3290	18.38	11.30	29.68	69.54	-39.86	peak	
3		7.9706	13.82	11.34	25.16	69.54	-44.38	peak	
4		10.3886	11.08	11.29	22.37	69.54	-47.17	peak	
5		11.7911	12.65	11.25	23.90	69.54	-45.64	peak	
6		16.1794	11.63	11.11	22.74	69.54	-46.80	peak	

Test Mode:	UNII-1/TX Mode_Adapter: HON-KWANG / HK-XX12-A12

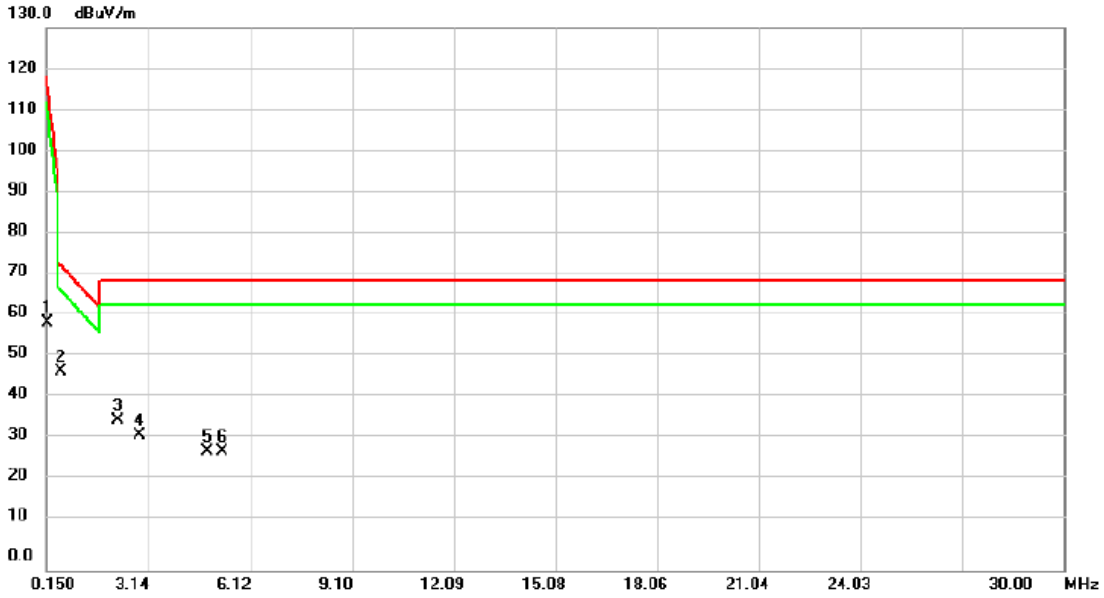
CLOSE



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0690	37.11	12.66	49.77	124.19	-74.42	peak	

Test Mode:	UNII-1/TX Mode_Adapter: HON-KWANG / HK-XX12-A12

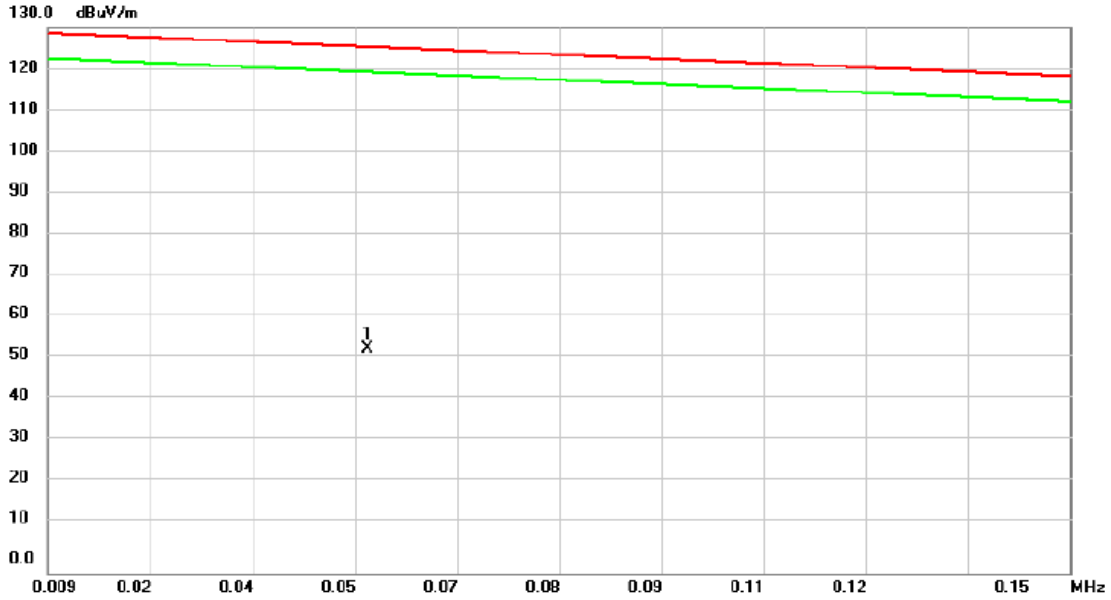
CLOSE



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1500	47.16	12.03	59.19	118.34	-59.15	peak	
2	*	0.5675	35.78	11.83	47.61	73.11	-25.50	peak	
3		2.2395	24.62	11.44	36.06	69.54	-33.48	peak	
4		2.8664	21.25	11.16	32.41	69.54	-37.13	peak	
5		4.8662	16.94	11.38	28.32	69.54	-41.22	peak	
6		5.2842	16.97	11.39	28.36	69.54	-41.18	peak	

Test Mode:	UNII-1/TX Mode_Adapter: UMEC / UP0121B-12

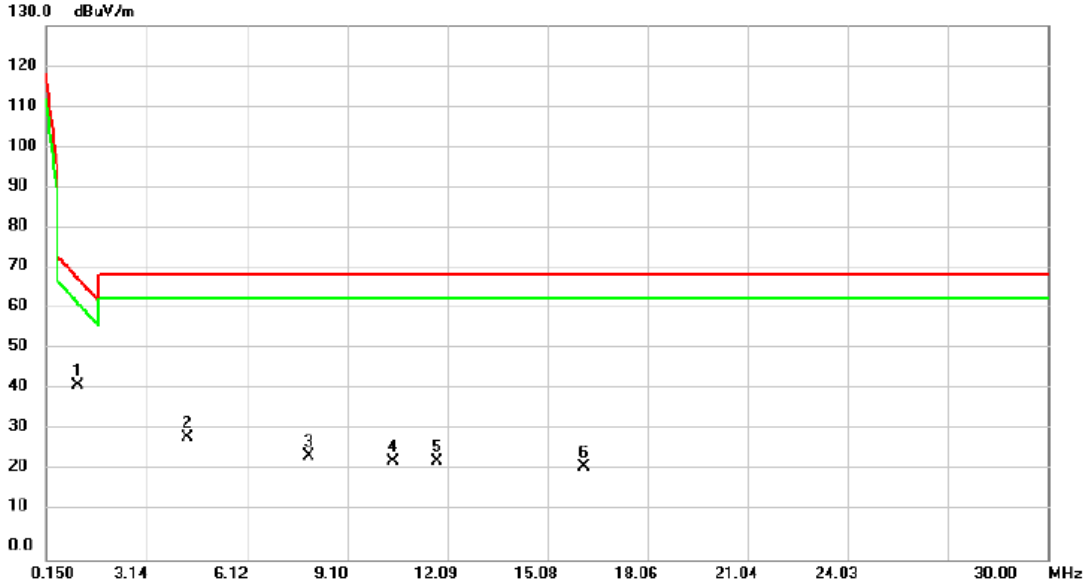
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0530	40.57	12.95	53.52	125.34	-71.82	peak	

Test Mode:	UNII-1/TX Mode_Adapter: UMEC / UP0121B-12

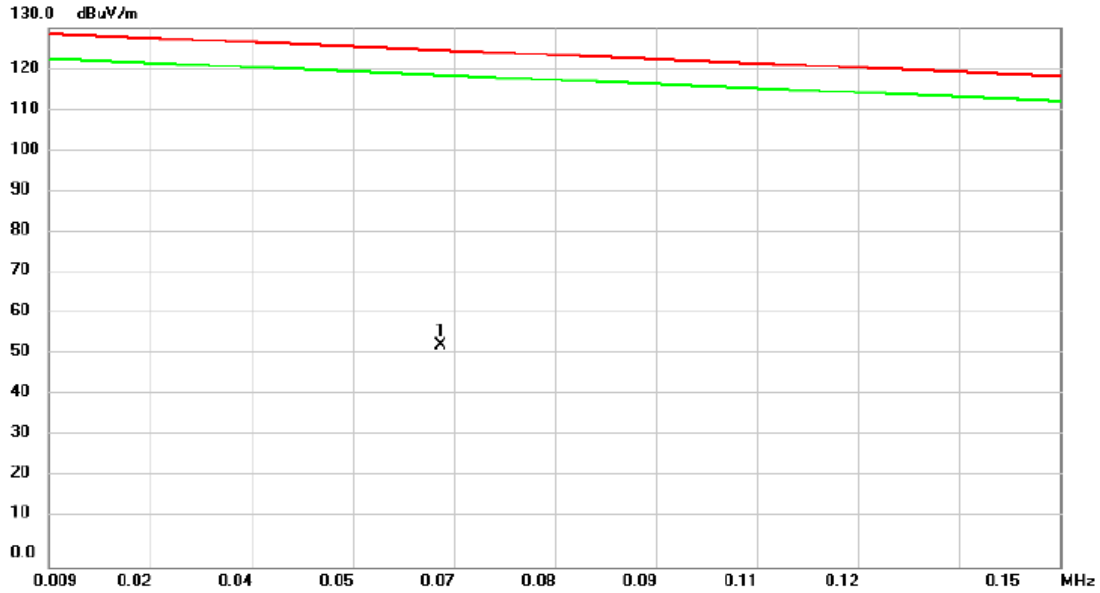
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	1.0750	30.36	11.97	42.33	68.59	-26.26	peak	
2		4.3290	18.38	11.30	29.68	69.54	-39.86	peak	
3		7.9706	13.82	11.34	25.16	69.54	-44.38	peak	
4		10.4780	12.56	11.29	23.85	69.54	-45.69	peak	
5		11.7911	12.65	11.25	23.90	69.54	-45.64	peak	
6		16.1794	11.63	11.11	22.74	69.54	-46.80	peak	

Test Mode:	UNII-1/TX Mode_Adapter: UMEC / UP0121B-12

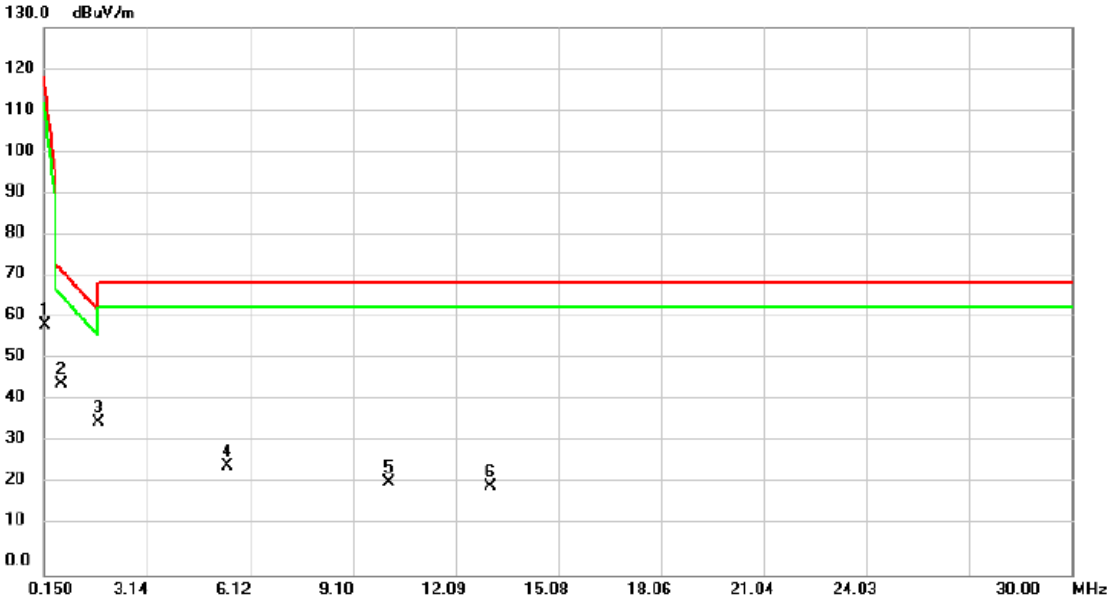
CLOSE



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0637	40.61	12.75	53.36	124.57	-71.21	peak	

Test Mode:	UNII-1/TX Mode_Adapter: UMEC / UP0121B-12

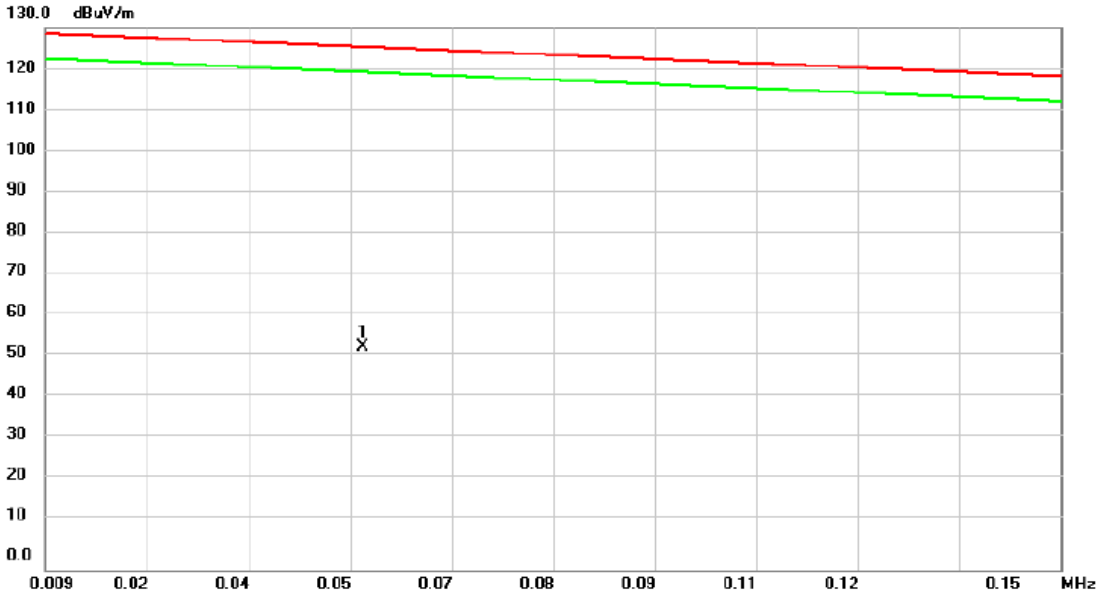
CLOSE



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1500	47.16	12.03	59.19	118.34	-59.15	peak	
2		0.6276	33.40	11.85	45.25	72.57	-27.32	peak	
3	*	1.7022	24.41	11.68	36.09	62.99	-26.90	peak	
4		5.4434	14.33	11.39	25.72	69.54	-43.82	peak	
5		10.1398	10.50	11.30	21.80	69.54	-47.74	peak	
6		13.0850	9.75	11.21	20.96	69.54	-48.58	peak	

Test Mode:	UNII-1/TX Mode_Adapter: AMIGO / AMS174-1201000F

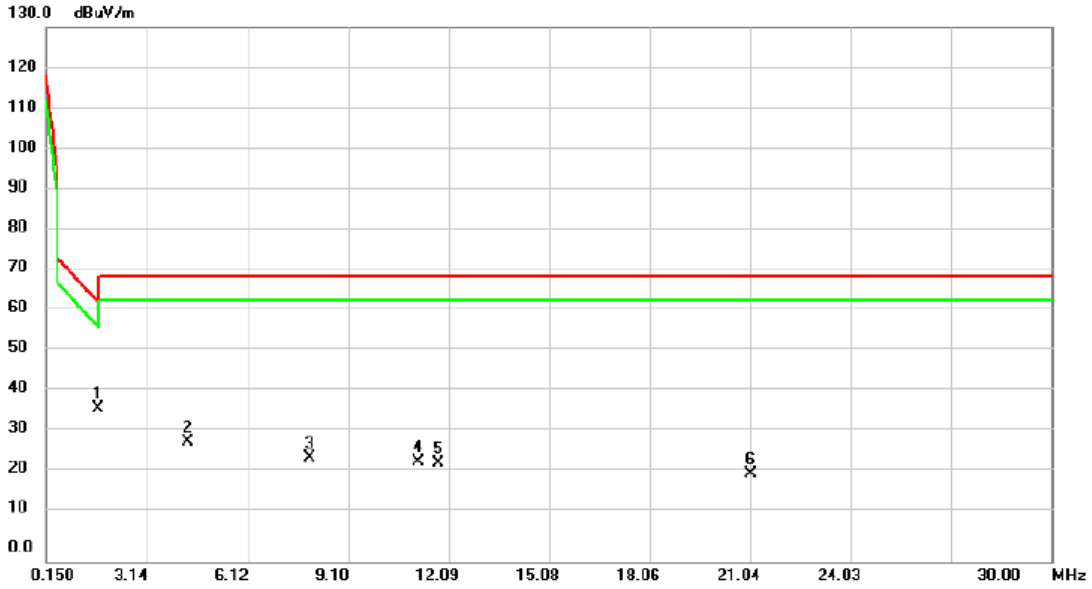
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0530	40.57	12.95	53.52	125.34	-71.82	peak	

Test Mode:	UNII-1/TX Mode_Adapter: AMIGO / AMS174-1201000F

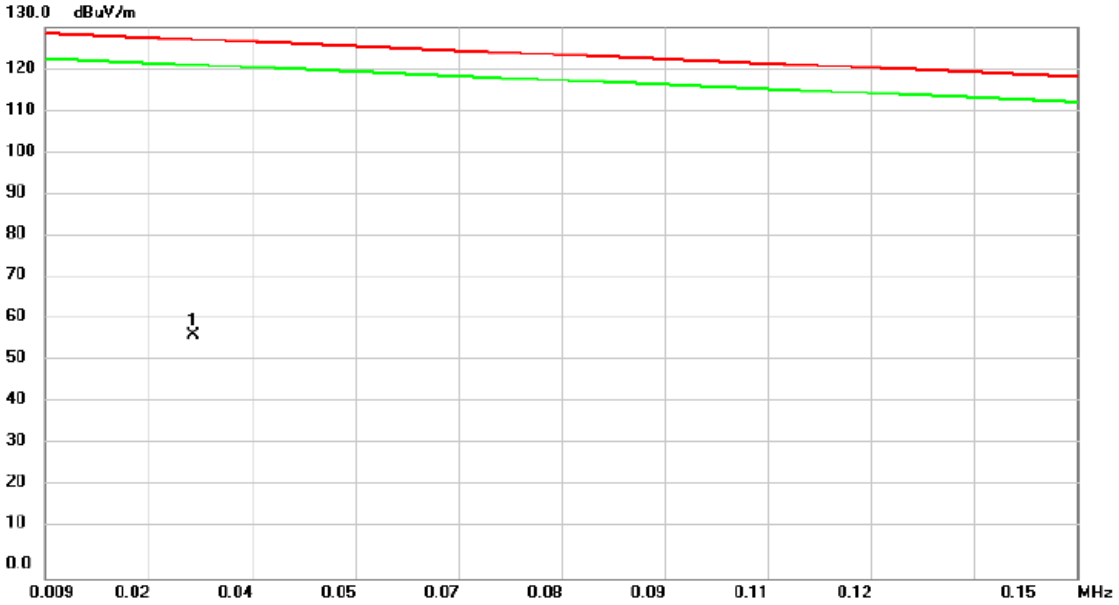
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	1.7020	25.41	11.68	37.09	63.00	-25.91	peak	
2		4.3590	17.85	11.30	29.15	69.54	-40.39	peak	
3		7.9706	13.82	11.34	25.16	69.54	-44.38	peak	
4		11.1942	12.82	11.26	24.08	69.54	-45.46	peak	
5		11.7911	12.65	11.25	23.90	69.54	-45.64	peak	
6		21.0450	10.60	10.81	21.41	69.54	-48.13	peak	

Test Mode:	UNII-1/TX Mode_Adapter: AMIGO / AMS174-1201000F

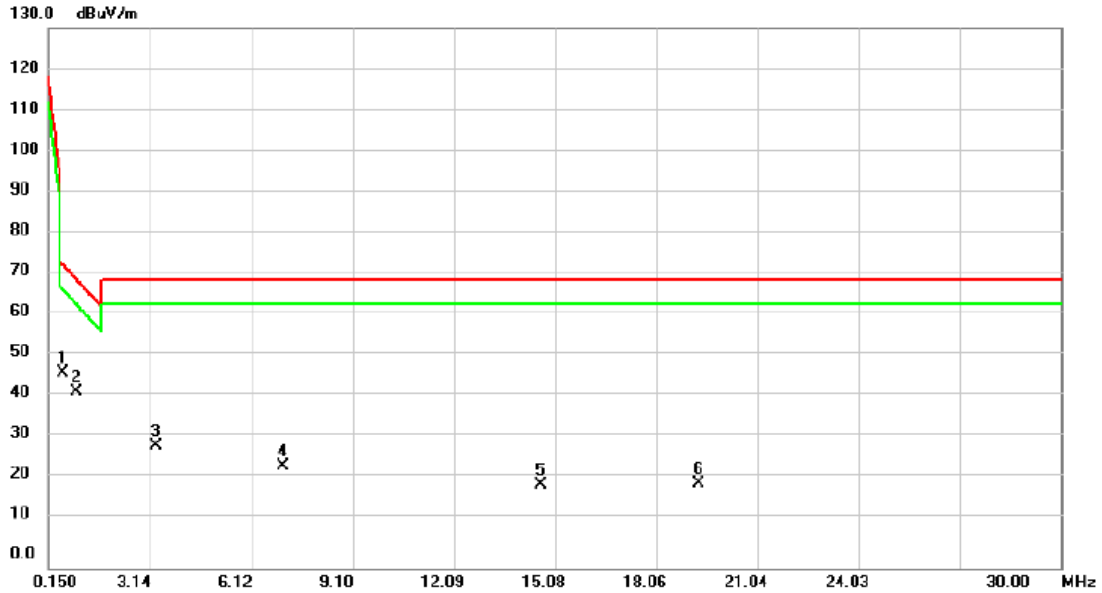
CLOSE



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0292	42.24	15.22	57.46	127.06	-69.60	peak	

Test Mode:	UNII-1/TX Mode_Adapter: AMIGO / AMS174-1201000F

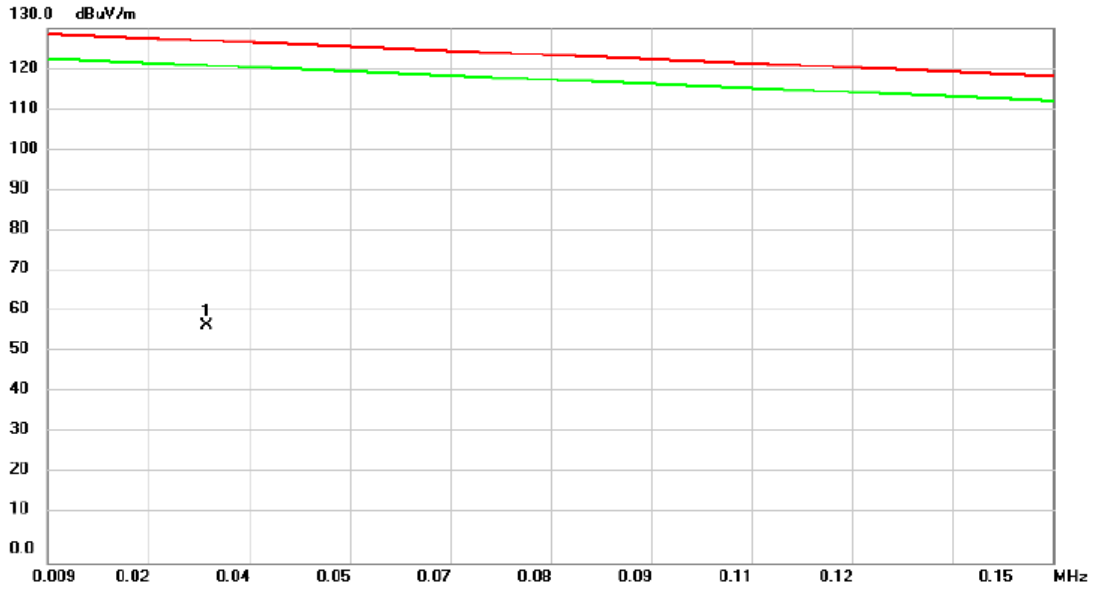
CLOSE



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.5480	35.21	11.82	47.03	73.28	-26.25	peak	
2		0.9460	30.54	11.98	42.52	69.74	-27.22	peak	
3		3.2942	18.26	11.14	29.40	69.54	-40.14	peak	
4		7.0354	13.03	11.36	24.39	69.54	-45.15	peak	
5		14.6372	8.69	11.16	19.85	69.54	-49.69	peak	
6		19.2938	9.29	11.02	20.31	69.54	-49.23	peak	

Test Mode:	UNII-3/TX Mode_Adapter: HON-KWANG / HK-XX12-A12

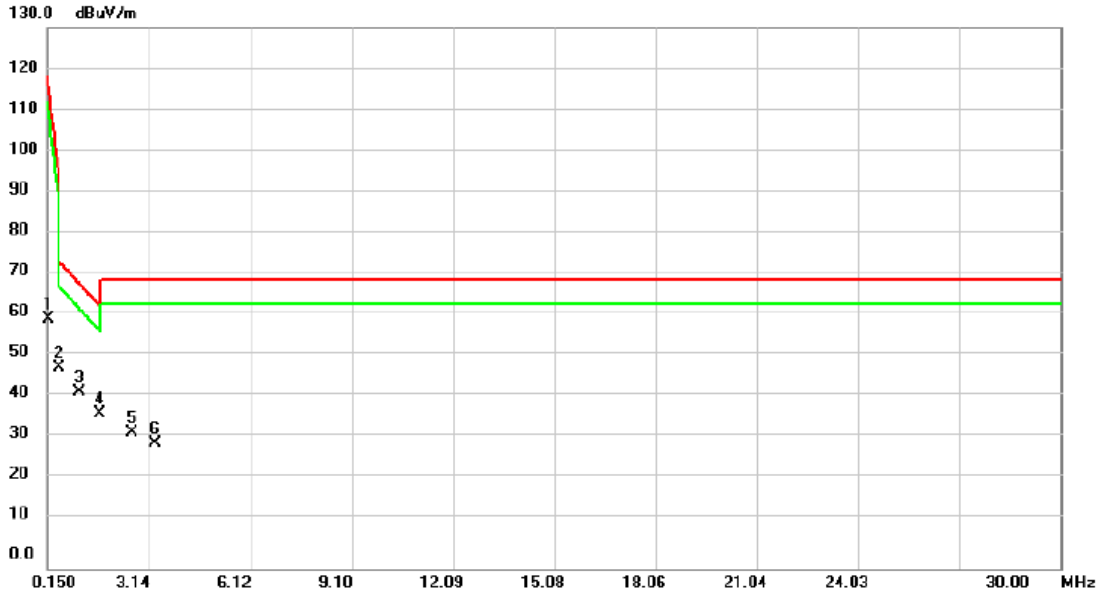
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0313	42.97	14.87	57.84	126.91	-69.07	peak	

Test Mode:	UNII-3/TX Mode_Adapter: HON-KWANG / HK-XX12-A12

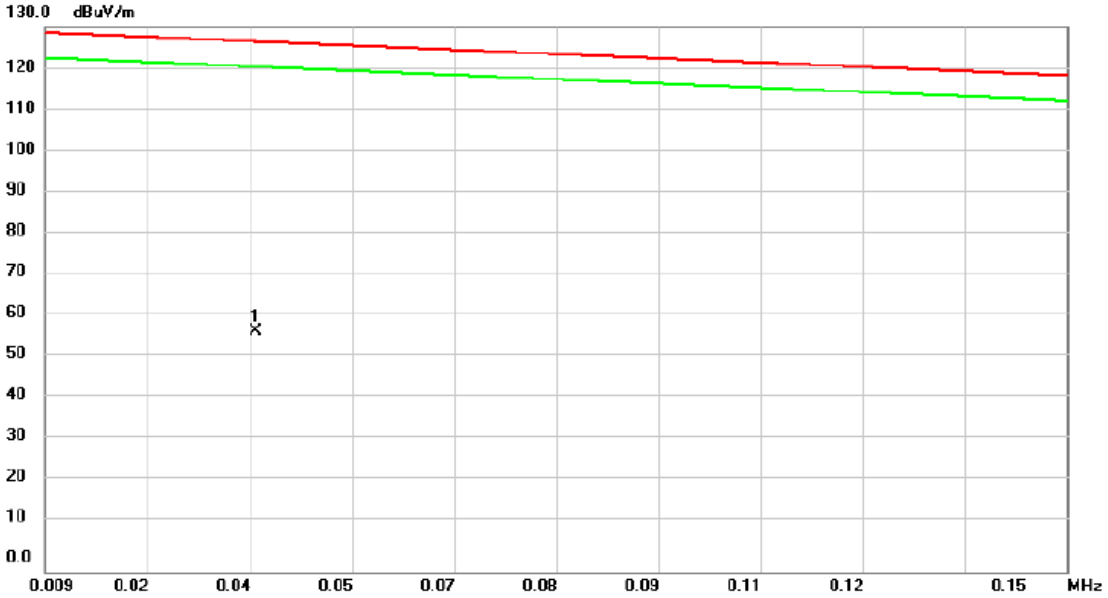
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1500	47.93	12.03	59.96	118.34	-58.38	peak	
2	*	0.5080	36.55	11.80	48.35	73.64	-25.29	peak	
3		1.0750	30.36	11.97	42.33	68.59	-26.26	peak	
4		1.7020	25.41	11.68	37.09	63.00	-25.91	peak	
5		2.6274	21.29	11.27	32.56	69.54	-36.98	peak	
6		3.3140	18.93	11.15	30.08	69.54	-39.46	peak	

Test Mode:	UNII-3/TX Mode_Adapter: HON-KWANG / HK-XX12-A12

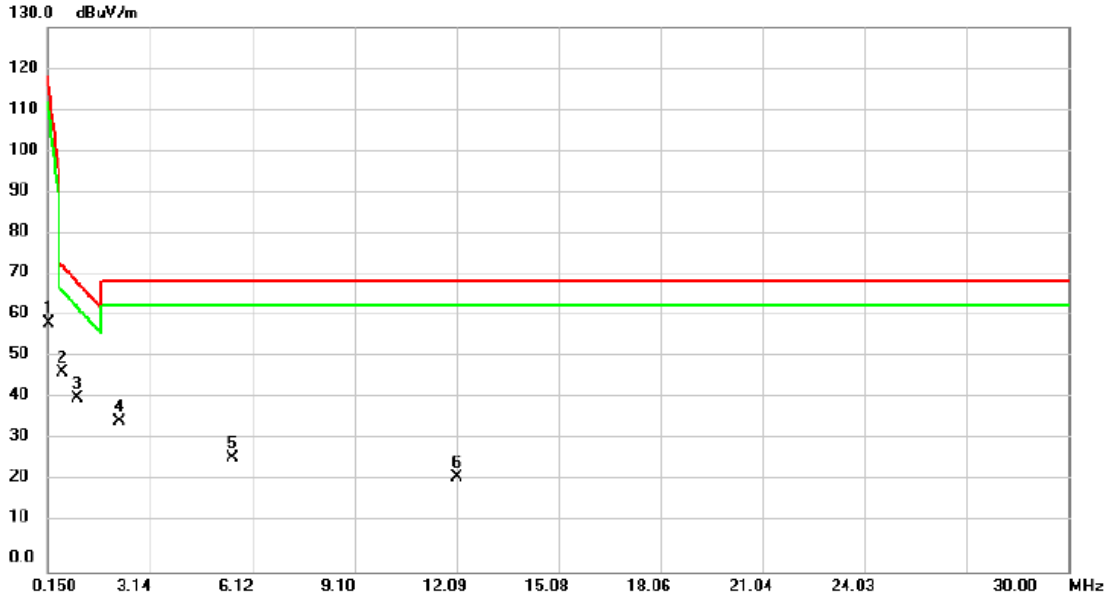
CLOSE



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0380	43.20	14.20	57.40	126.43	-69.03	peak	

Test Mode:	UNII-3/TX Mode_Adapter: HON-KWANG / HK-XX12-A12

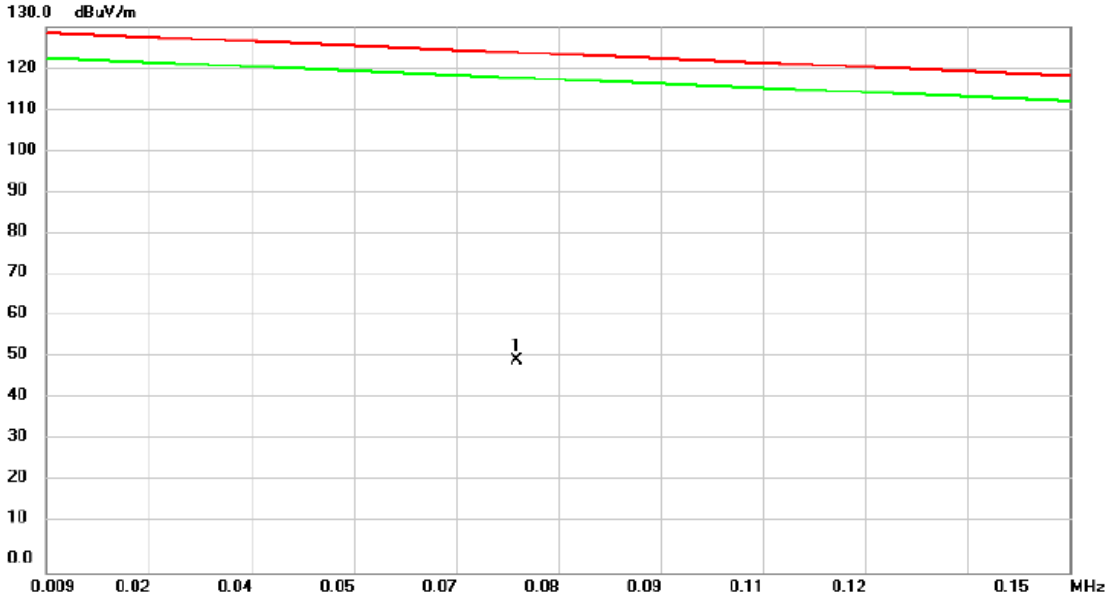
CLOSE



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1500	47.16	12.03	59.19	118.34	-59.15	peak	
2	*	0.5675	35.78	11.83	47.61	73.11	-25.50	peak	
3		1.0156	29.46	11.99	41.45	69.11	-27.66	peak	
4		2.2395	24.62	11.44	36.06	69.54	-33.48	peak	
5		5.5530	15.80	11.39	27.19	69.54	-42.35	peak	
6		12.1196	11.38	11.24	22.62	69.54	-46.92	peak	

Test Mode:	UNII-3/TX Mode_Adapter: UMEC / UP0121B-12

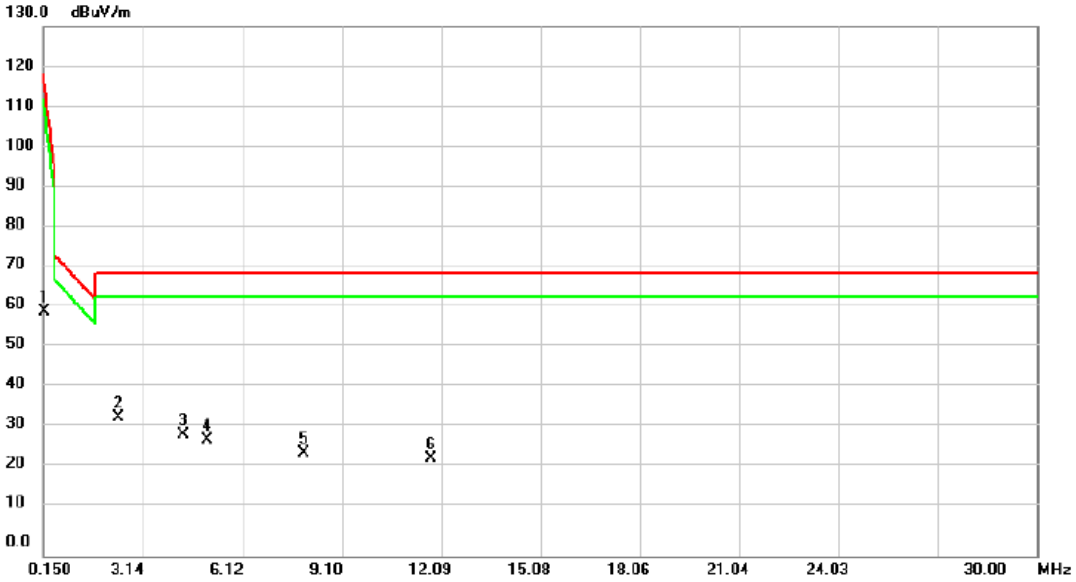
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0738	37.88	12.57	50.45	123.84	-73.39	peak	

Test Mode:	UNII-3/TX Mode_Adapter: UMEC / UP0121B-12

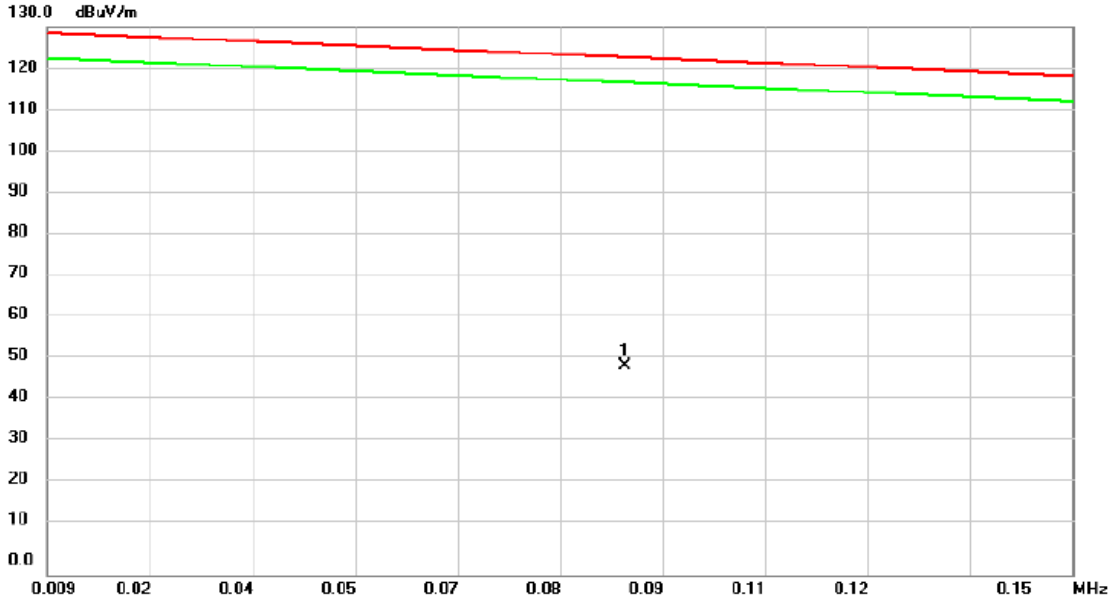
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1500	47.93	12.03	59.96	118.34	-58.38	peak	
2	*	2.3887	22.56	11.38	33.94	69.54	-35.60	peak	
3		4.3290	18.38	11.30	29.68	69.54	-39.86	peak	
4		5.0750	16.98	11.40	28.38	69.54	-41.16	peak	
5		7.9706	13.82	11.34	25.16	69.54	-44.38	peak	
6		11.7911	12.65	11.25	23.90	69.54	-45.64	peak	

Test Mode:	UNII-3/TX Mode_Adapter: UMEC / UP0121B-12

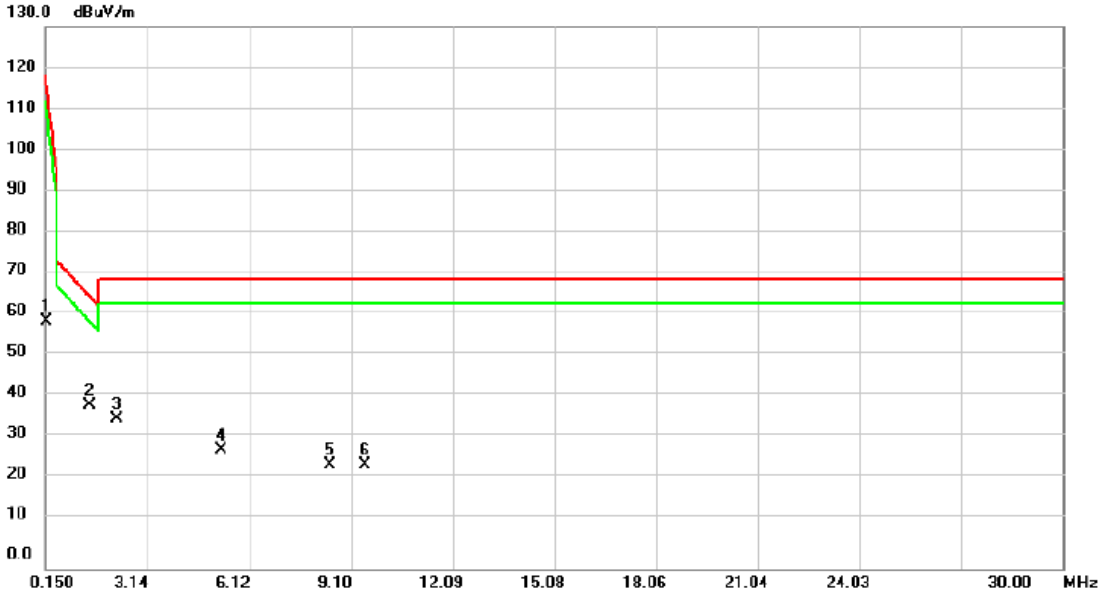
CLOSE



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0884	37.28	12.31	49.59	122.79	-73.20	peak	

Test Mode:	UNII-3/TX Mode_Adapter: UMEC / UP0121B-12

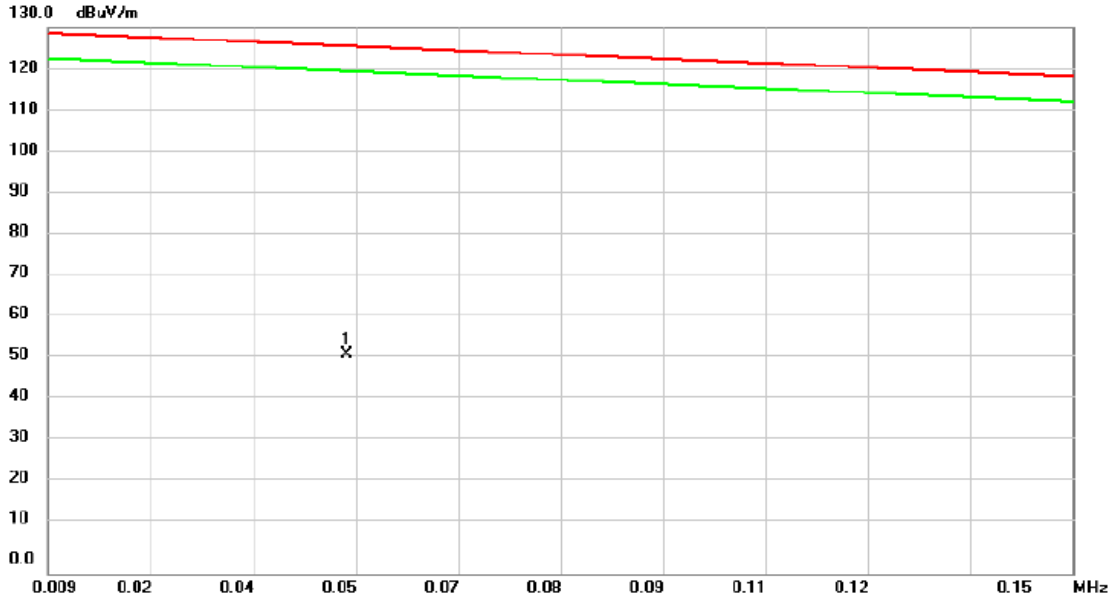
CLOSE



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1500	47.16	12.03	59.19	118.34	-59.15	peak	
2	*	1.4334	27.49	11.80	39.29	65.39	-26.10	peak	
3		2.2395	24.62	11.44	36.06	69.54	-33.48	peak	
4		5.2842	16.97	11.39	28.36	69.54	-41.18	peak	
5		8.4780	13.54	11.33	24.87	69.54	-44.67	peak	
6		9.5228	13.44	11.31	24.75	69.54	-44.79	peak	

Test Mode:	UNII-3/TX Mode_Adapter: AMIGO / AMS174-1201000F

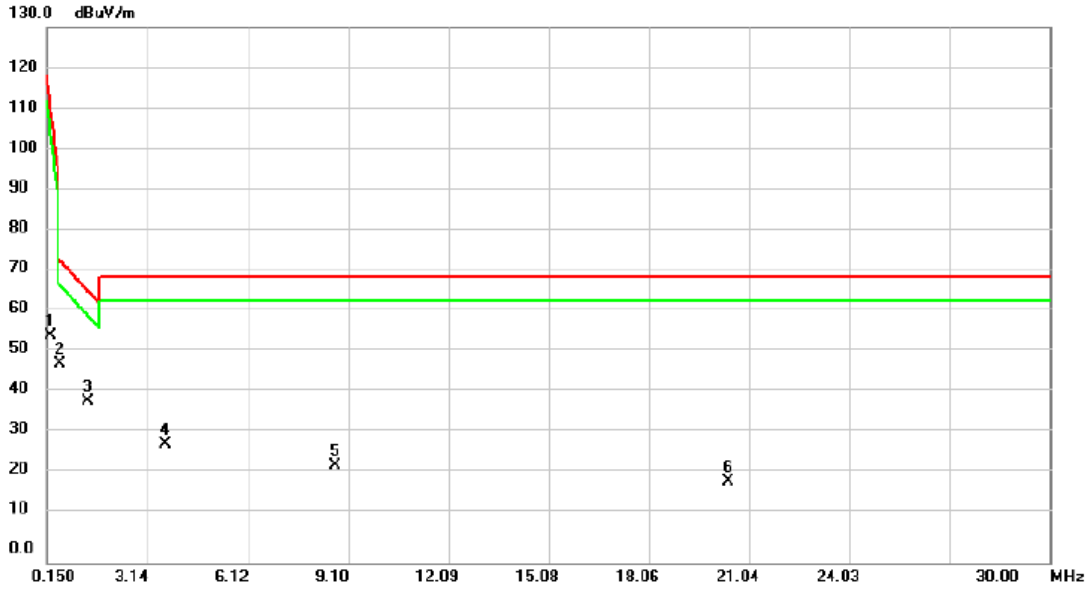
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0500	39.20	13.00	52.20	125.56	-73.36	peak	

Test Mode:	UNII-3/TX Mode_Adapter: AMIGO / AMS174-1201000F

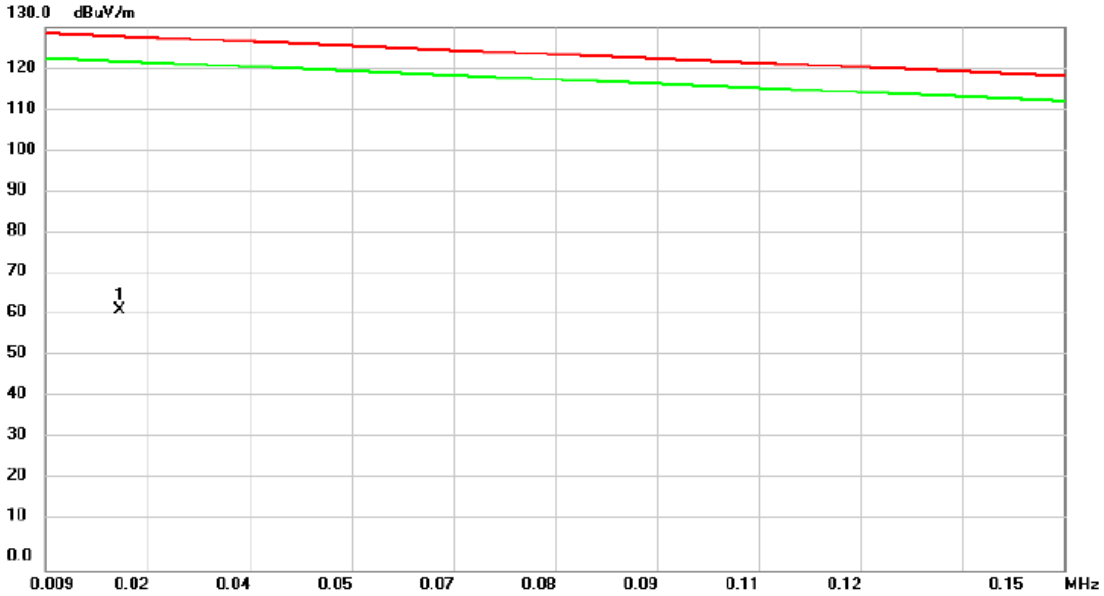
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2296	43.10	11.91	55.01	112.60	-57.59	peak	
2	*	0.5082	36.54	11.80	48.34	73.64	-25.30	peak	
3		1.3440	27.36	11.85	39.21	66.19	-26.98	peak	
4		3.6524	17.70	11.20	28.90	69.54	-40.64	peak	
5		8.7070	12.12	11.33	23.45	69.54	-46.09	peak	
6		20.4082	8.89	10.93	19.82	69.54	-49.72	peak	

Test Mode:	UNII-3/TX Mode_Adapter: AMIGO / AMS174-1201000F

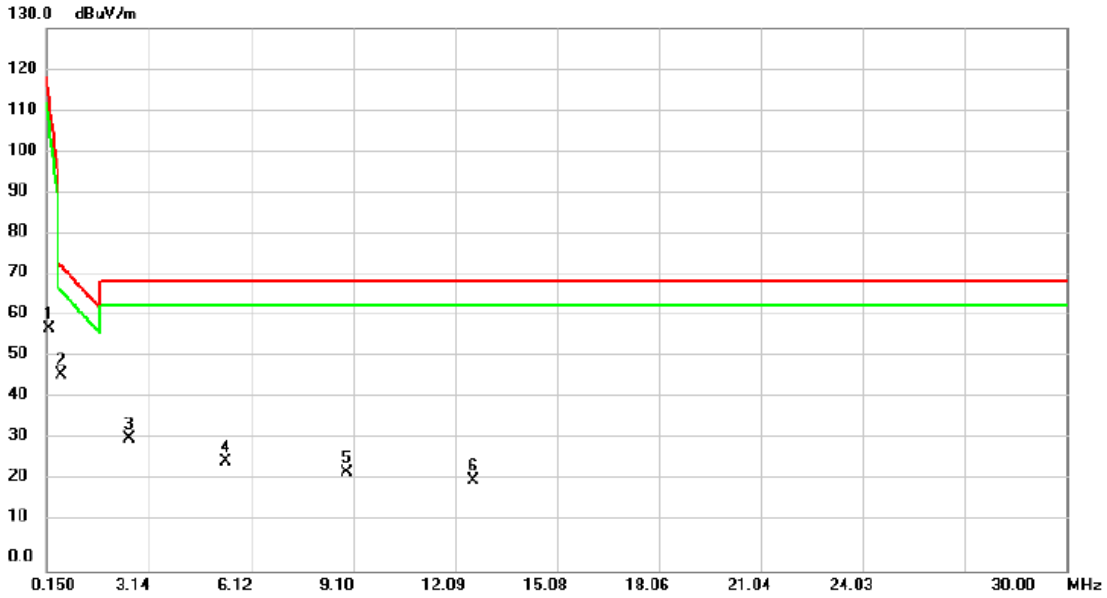
CLOSE



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0193	44.41	17.94	62.35	127.78	-65.43	peak	

Test Mode:	UNII-3/TX Mode_Adapter: AMIGO / AMS174-1201000F

CLOSE

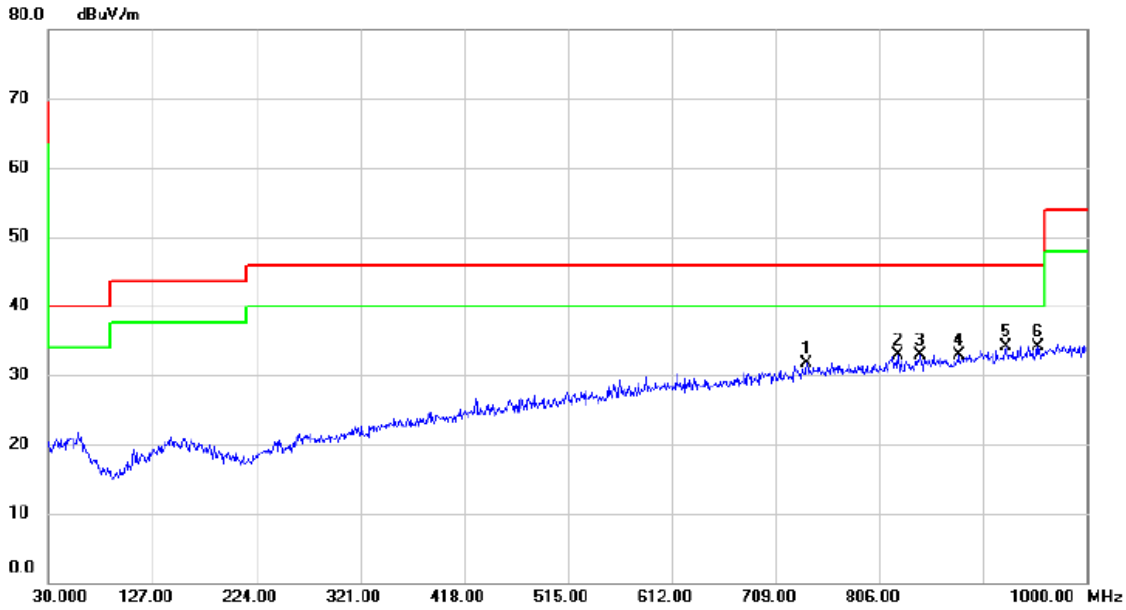


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1898	45.98	11.97	57.95	115.47	-57.52	peak	
2	*	0.5480	35.21	11.82	47.03	73.28	-26.25	peak	
3		2.5380	20.48	11.31	31.79	69.54	-37.75	peak	
4		5.3638	14.83	11.39	26.22	69.54	-43.32	peak	
5		8.9060	12.22	11.32	23.54	69.54	-46.00	peak	
6		12.6074	10.42	11.22	21.64	69.54	-47.90	peak	

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

Test Mode:	UNII-1/TX A Mode 5180MHz_Adapter: HON-KWANG / HK-XX12-A12

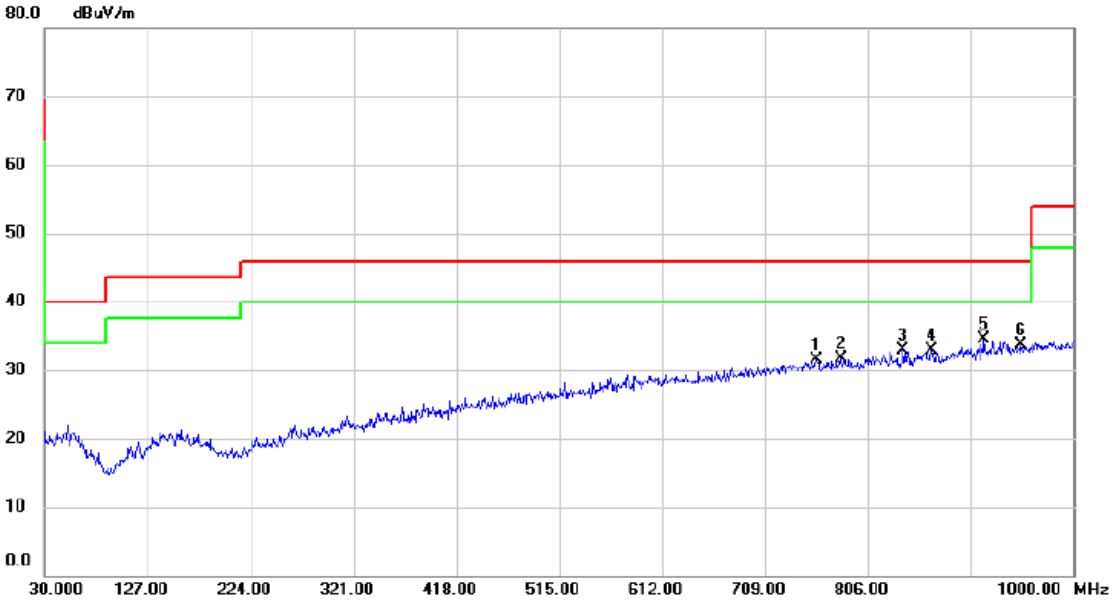
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		738.1000	29.61	2.09	31.70	46.00	-14.30	peak	
2		823.4600	29.76	3.21	32.97	46.00	-13.03	peak	
3		843.8300	29.36	3.50	32.86	46.00	-13.14	peak	
4		879.7200	28.63	4.21	32.84	46.00	-13.16	peak	
5	*	924.3400	29.14	5.04	34.18	46.00	-11.82	peak	
6		953.4400	28.53	5.53	34.06	46.00	-11.94	peak	

Test Mode:	UNII-1/TX A Mode 5180MHz_ Adapter: HON-KWANG / HK-XX12-A12

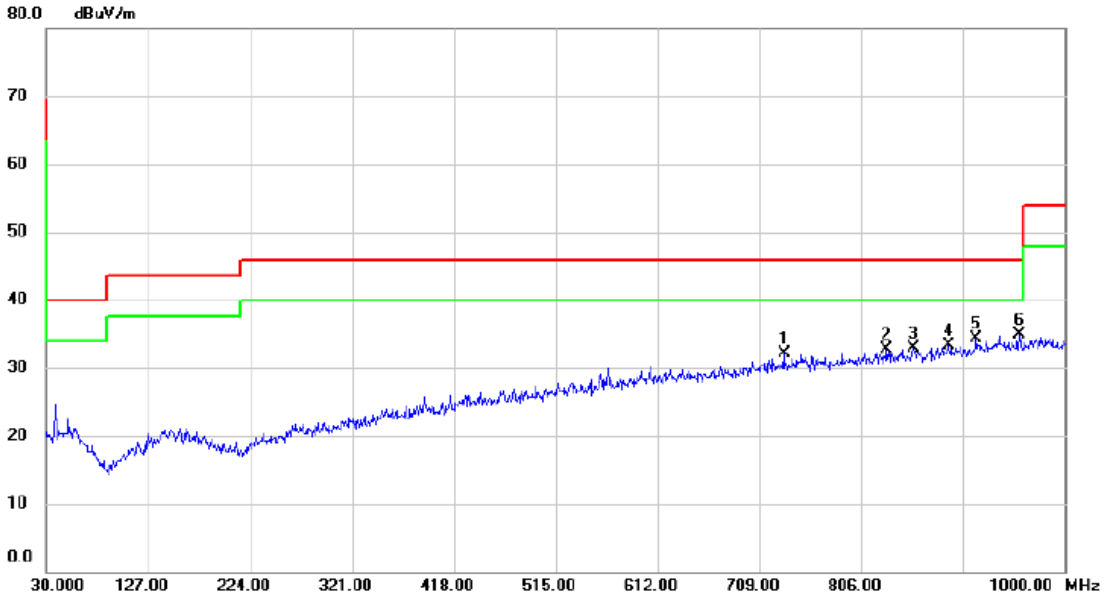
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		757.5000	29.00	2.42	31.42	46.00	-14.58	peak	
2		780.7800	29.11	2.66	31.77	46.00	-14.23	peak	
3		838.9800	29.44	3.44	32.88	46.00	-13.12	peak	
4		866.1400	28.99	3.92	32.91	46.00	-13.09	peak	
5	*	915.6100	29.52	4.89	34.41	46.00	-11.59	peak	
6		950.5300	28.22	5.49	33.71	46.00	-12.29	peak	

Test Mode:	UNII-1/TX A Mode 5180MHz_ Adapter: UMEC / UP0121B-12

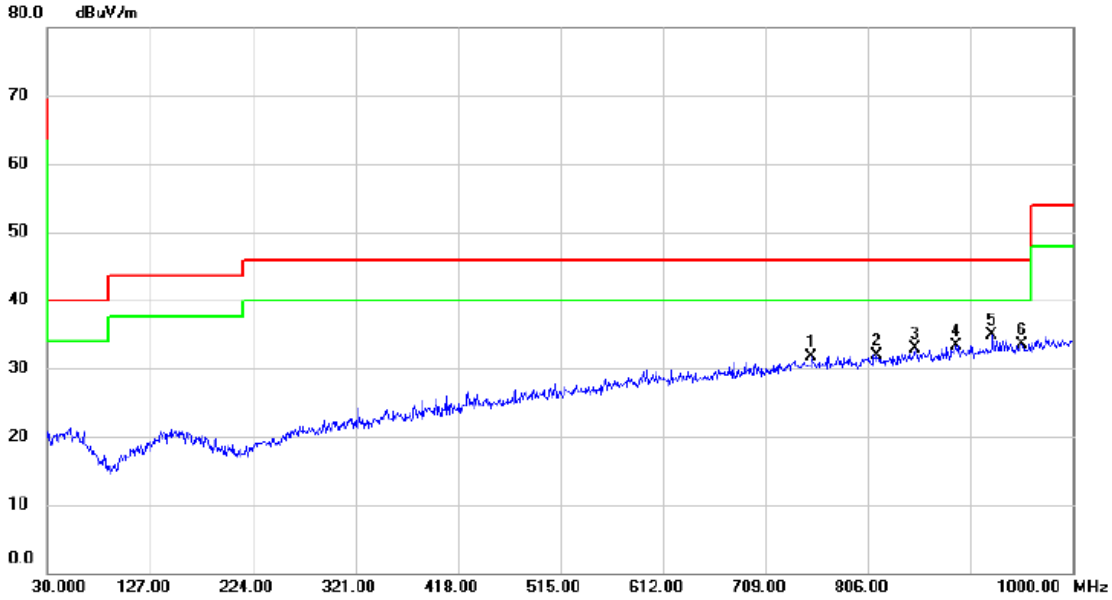
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		732.2800	30.22	1.96	32.18	46.00	-13.82	peak	
2		830.2500	29.42	3.31	32.73	46.00	-13.27	peak	
3		855.4700	29.30	3.70	33.00	46.00	-13.00	peak	
4		889.4200	28.94	4.39	33.33	46.00	-12.67	peak	
5		915.6100	29.43	4.89	34.32	46.00	-11.68	peak	
6	*	956.3500	29.38	5.57	34.95	46.00	-11.05	peak	

Test Mode:	UNII-1/TX A Mode 5180MHz_ Adapter: UMEC / UP0121B-12

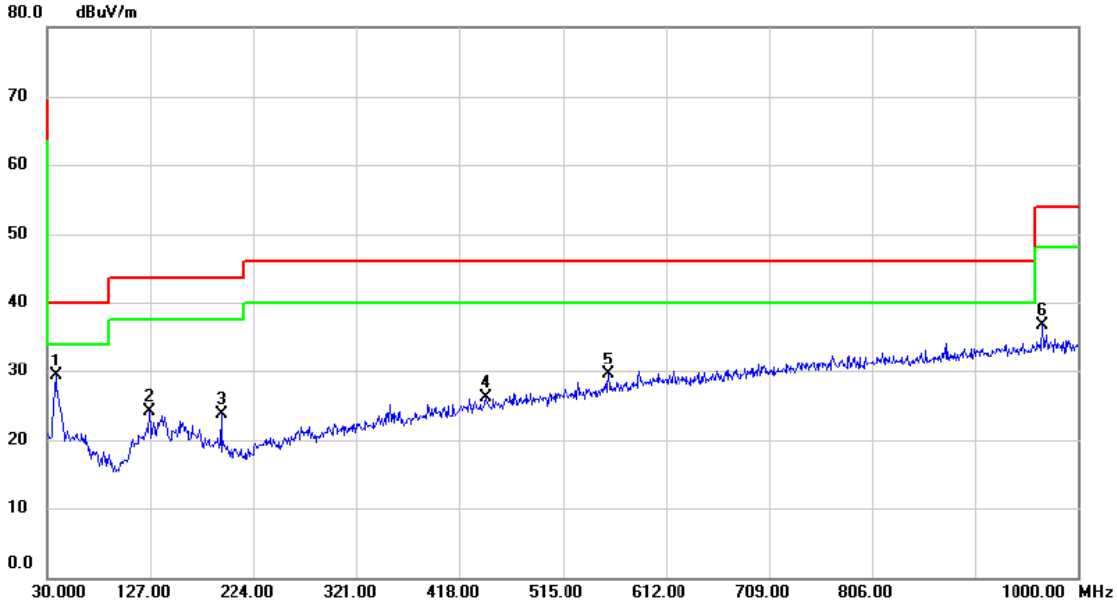
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		752.6500	29.43	2.37	31.80	46.00	-14.20	peak	
2		814.7300	28.83	3.10	31.93	46.00	-14.07	peak	
3		850.6200	29.27	3.61	32.88	46.00	-13.12	peak	
4		889.4200	28.99	4.39	33.38	46.00	-12.62	peak	
5	*	923.3700	29.82	5.01	34.83	46.00	-11.17	peak	
6		951.5000	27.97	5.51	33.48	46.00	-12.52	peak	

Test Mode:	UNII-1/TX A Mode 5180MHz_ Adapter: AMIGO / AMS174-1201000F

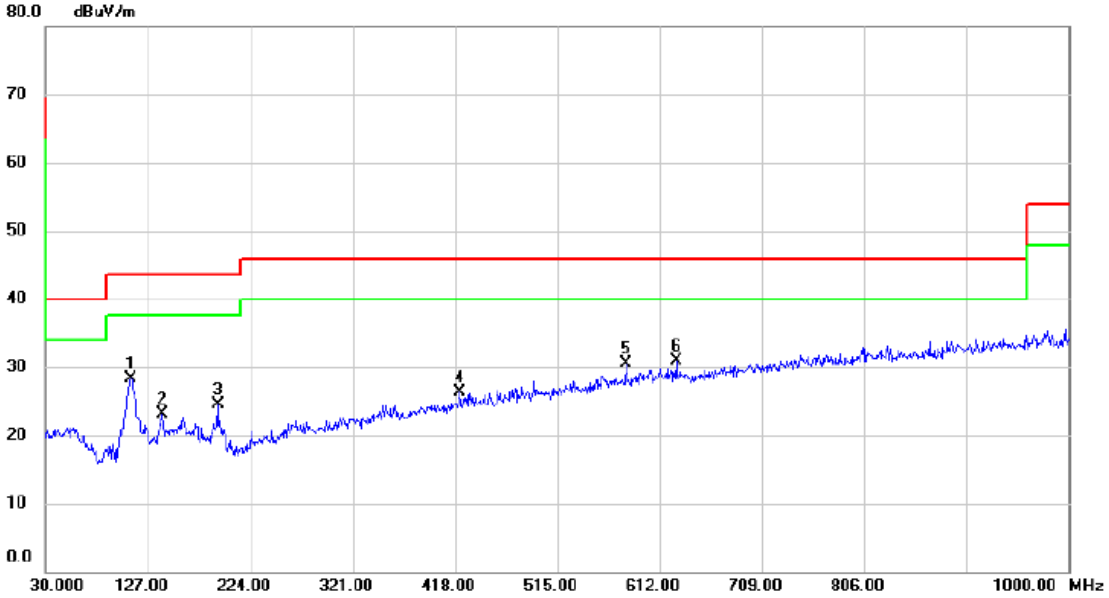
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	37.7600	38.04	-8.81	29.23	40.00	-10.77	peak	
2		126.0300	33.94	-9.92	24.02	43.50	-19.48	peak	
3		192.9600	34.40	-10.66	23.74	43.50	-19.76	peak	
4		443.2200	29.78	-3.70	26.08	46.00	-19.92	peak	
5		558.6500	30.78	-1.30	29.48	46.00	-16.52	peak	
6		967.0200	30.99	5.72	36.71	54.00	-17.29	peak	

Test Mode:	UNII-1/TX A Mode 5180MHz_ Adapter: AMIGO / AMS174-1201000F

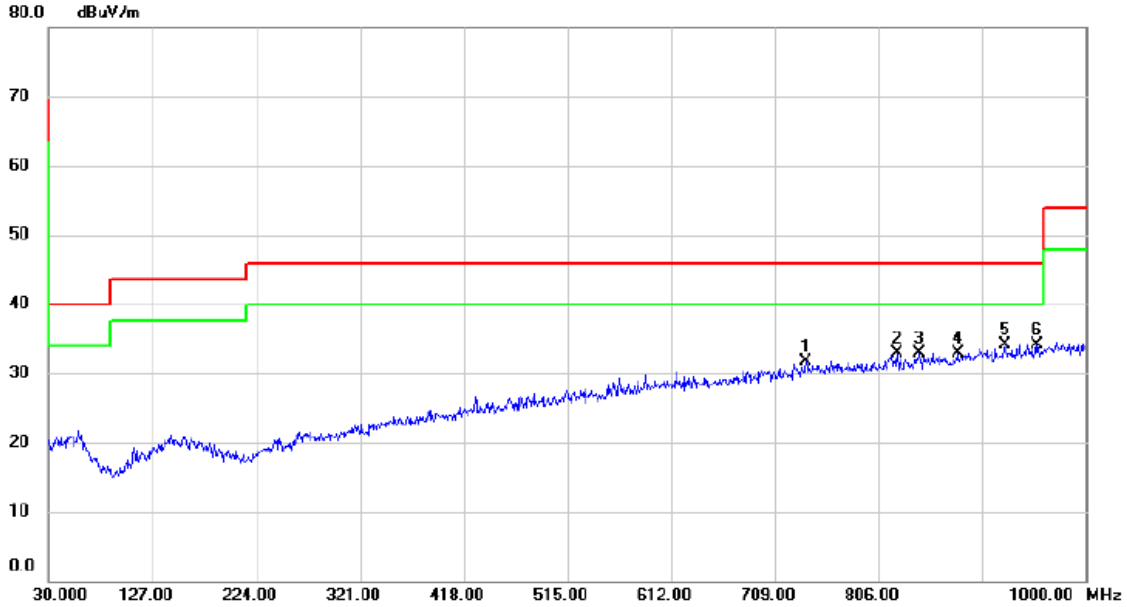
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		110.5100	39.32	-11.05	28.27	43.50	-15.23	peak	
2		140.5800	31.77	-8.66	23.11	43.50	-20.39	peak	
3		192.9600	35.07	-10.66	24.41	43.50	-19.09	peak	
4		422.8500	30.56	-4.27	26.29	46.00	-19.71	peak	
5		579.9900	31.17	-0.74	30.43	46.00	-15.57	peak	
6	*	627.5200	30.81	0.01	30.82	46.00	-15.18	peak	

Test Mode:	UNII-3/TX A Mode 5745MHz_Adapter: HON-KWANG / HK-XX12-A12

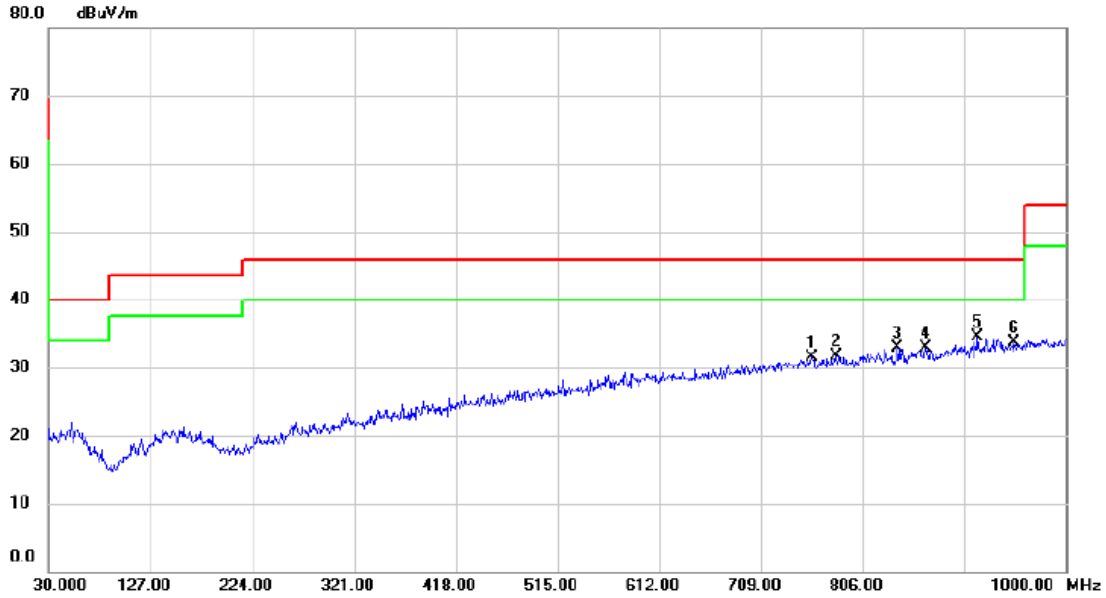
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		738.1000	29.61	2.09	31.70	46.00	-14.30	peak	
2		823.4600	29.76	3.21	32.97	46.00	-13.03	peak	
3		843.8300	29.36	3.50	32.86	46.00	-13.14	peak	
4		879.7200	28.63	4.21	32.84	46.00	-13.16	peak	
5	*	924.3400	29.14	5.04	34.18	46.00	-11.82	peak	
6		953.4400	28.53	5.53	34.06	46.00	-11.94	peak	

Test Mode:	UNII-3/TX A Mode 5745MHz_Adapter: HON-KWANG / HK-XX12-A12

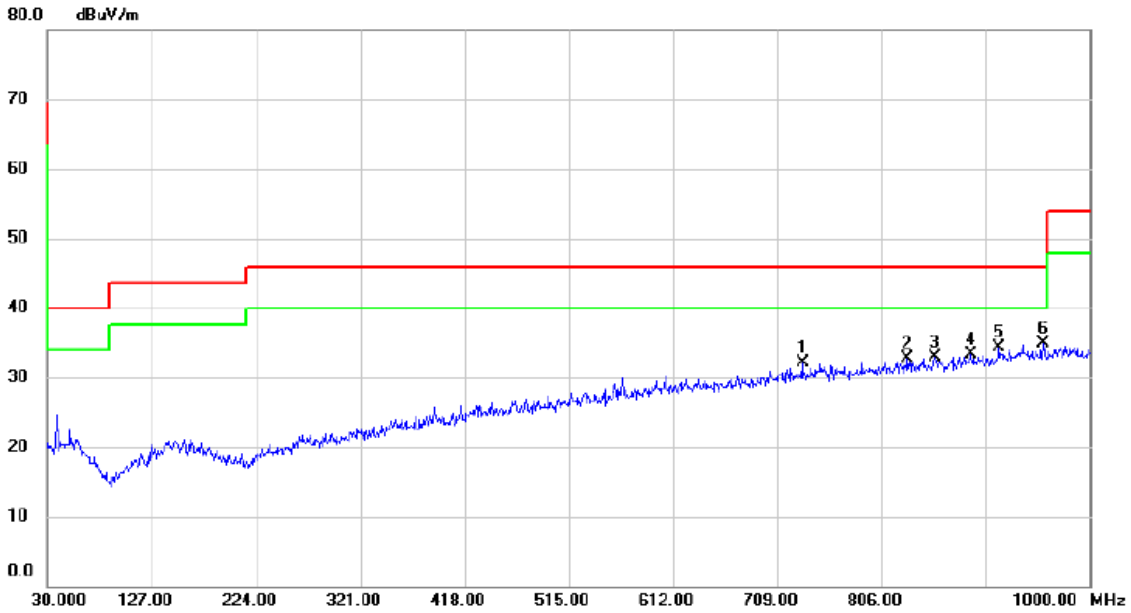
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		757.5000	29.00	2.42	31.42	46.00	-14.58	peak	
2		780.7800	29.11	2.66	31.77	46.00	-14.23	peak	
3		838.9800	29.44	3.44	32.88	46.00	-13.12	peak	
4		866.1400	28.99	3.92	32.91	46.00	-13.09	peak	
5	*	915.6100	29.52	4.89	34.41	46.00	-11.59	peak	
6		950.5300	28.22	5.49	33.71	46.00	-12.29	peak	

Test Mode:	UNII-3/TX A Mode 5745MHz_Adapter: UMEC / UP0121B-12

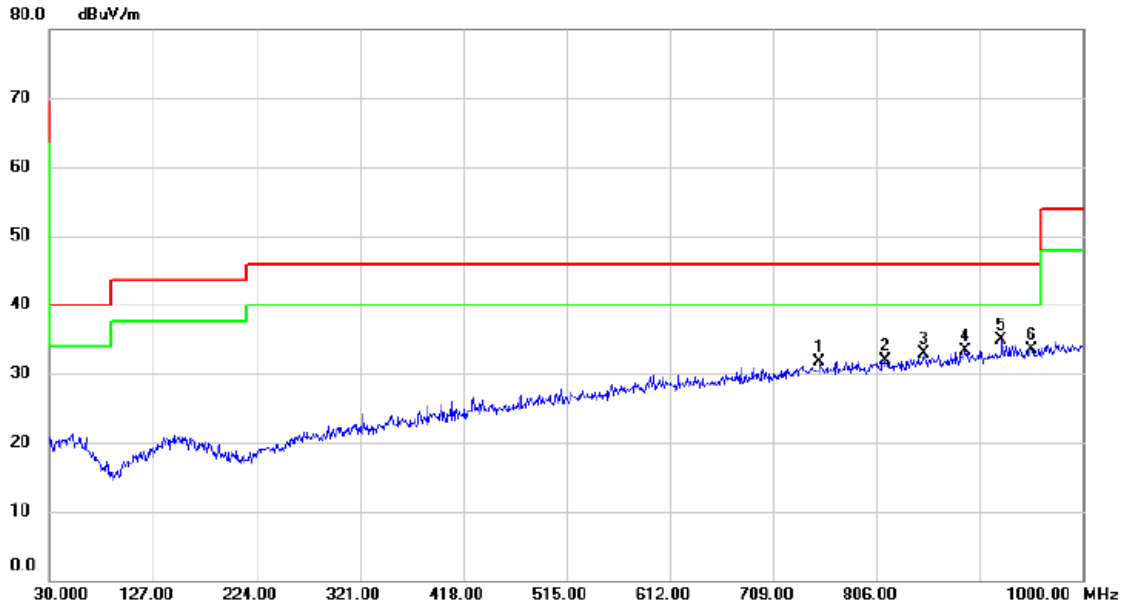
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		732.2800	30.22	1.96	32.18	46.00	-13.82	peak	
2		830.2500	29.42	3.31	32.73	46.00	-13.27	peak	
3		855.4700	29.30	3.70	33.00	46.00	-13.00	peak	
4		889.4200	28.94	4.39	33.33	46.00	-12.67	peak	
5		915.6100	29.43	4.89	34.32	46.00	-11.68	peak	
6	*	956.3500	29.38	5.57	34.95	46.00	-11.05	peak	

Test Mode:	UNII-3/TX A Mode 5745MHz_Adapter: UMEC / UP0121B-12

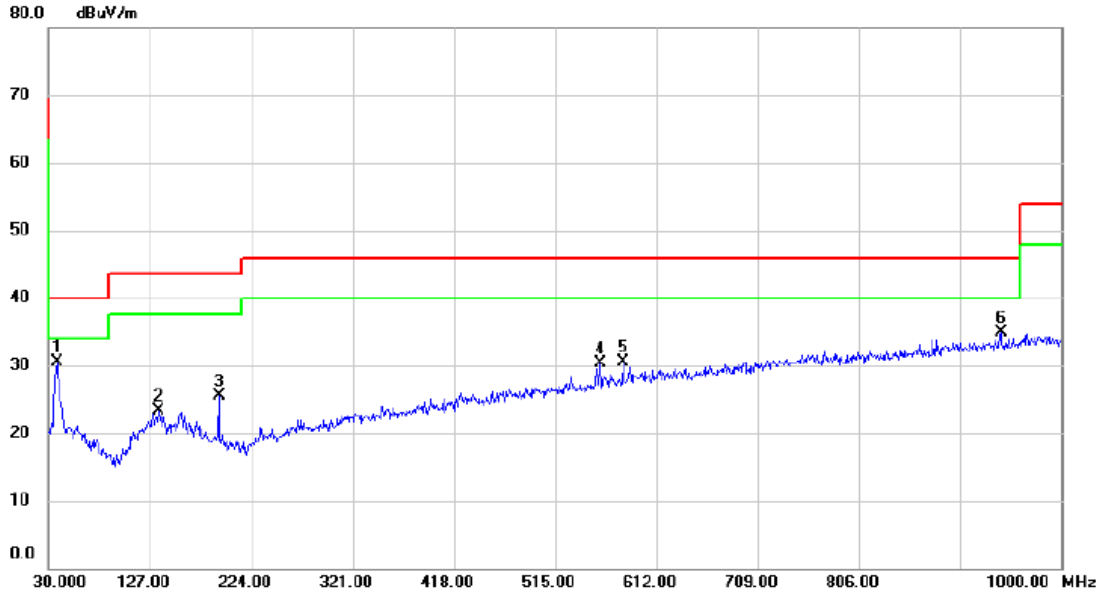
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		752.6500	29.43	2.37	31.80	46.00	-14.20	peak	
2		814.7300	28.83	3.10	31.93	46.00	-14.07	peak	
3		850.6200	29.27	3.61	32.88	46.00	-13.12	peak	
4		889.4200	28.99	4.39	33.38	46.00	-12.62	peak	
5	*	923.3700	29.82	5.01	34.83	46.00	-11.17	peak	
6		951.5000	27.97	5.51	33.48	46.00	-12.52	peak	

Test Mode:	UNII-3/TX A Mode 5745MHz_Adapter: AMIGO / AMS174-1201000F

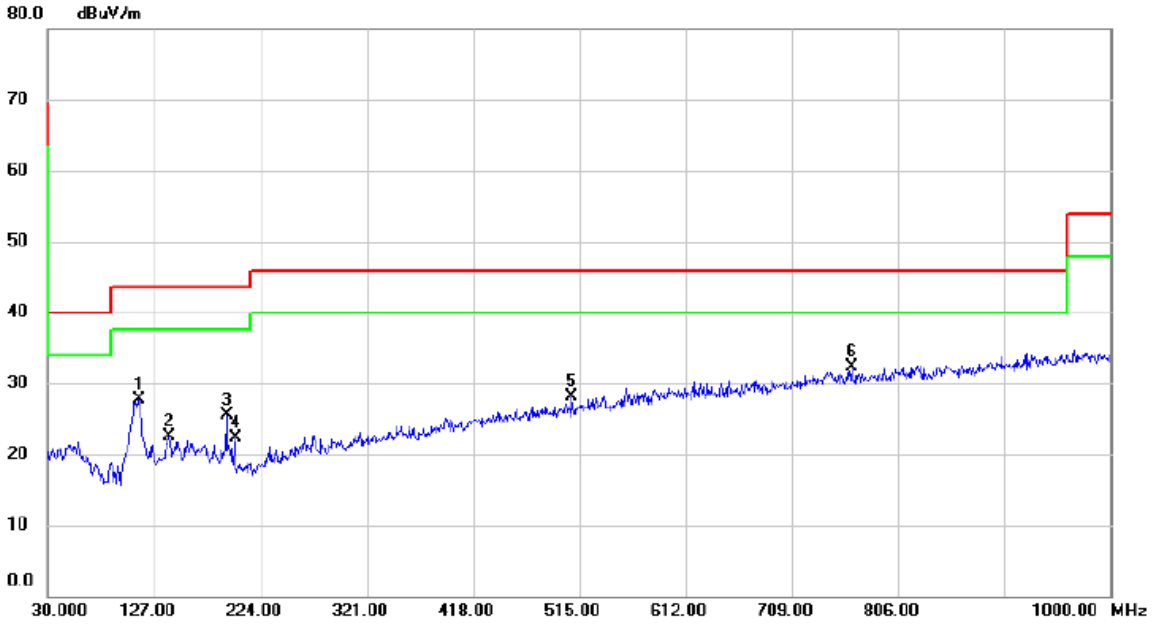
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	37.7600	39.39	-8.81	30.58	40.00	-9.42	peak	
2		135.7300	32.29	-9.03	23.26	43.50	-20.24	peak	
3		192.9600	36.16	-10.66	25.50	43.50	-18.00	peak	
4		558.6500	31.63	-1.30	30.33	46.00	-15.67	peak	
5		579.9900	31.30	-0.74	30.56	46.00	-15.44	peak	
6		941.8000	29.48	5.34	34.82	46.00	-11.18	peak	

Test Mode:	UNII-3/TX A Mode 5745MHz_Adapter: AMIGO / AMS174-1201000F

Horizontal



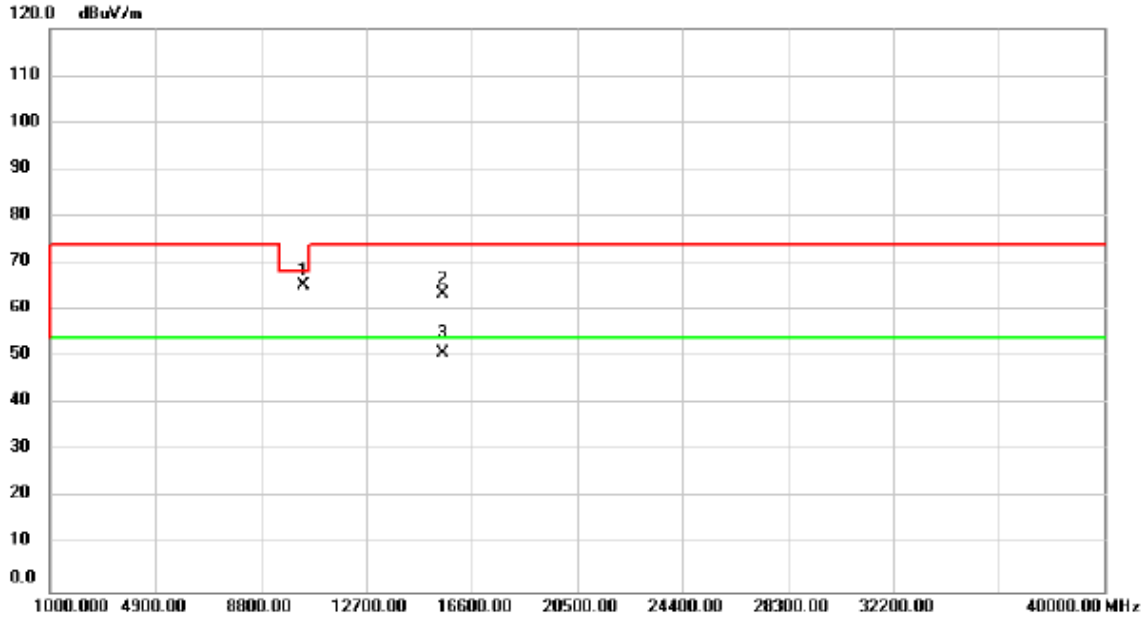
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		113.4200	38.63	-10.86	27.77	43.50	-15.73	peak	
2		140.5800	31.17	-8.66	22.51	43.50	-20.99	peak	
3		192.9600	36.24	-10.66	25.58	43.50	-17.92	peak	
4		200.7200	33.07	-10.82	22.25	43.50	-21.25	peak	
5		508.2100	30.54	-2.47	28.07	46.00	-17.93	peak	
6	*	763.3200	29.79	2.48	32.27	46.00	-13.73	peak	

ATTACHMENT D - RADIATED EMISSION (1GHZ~10TH HARMONIC)

Non-Beamforming

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

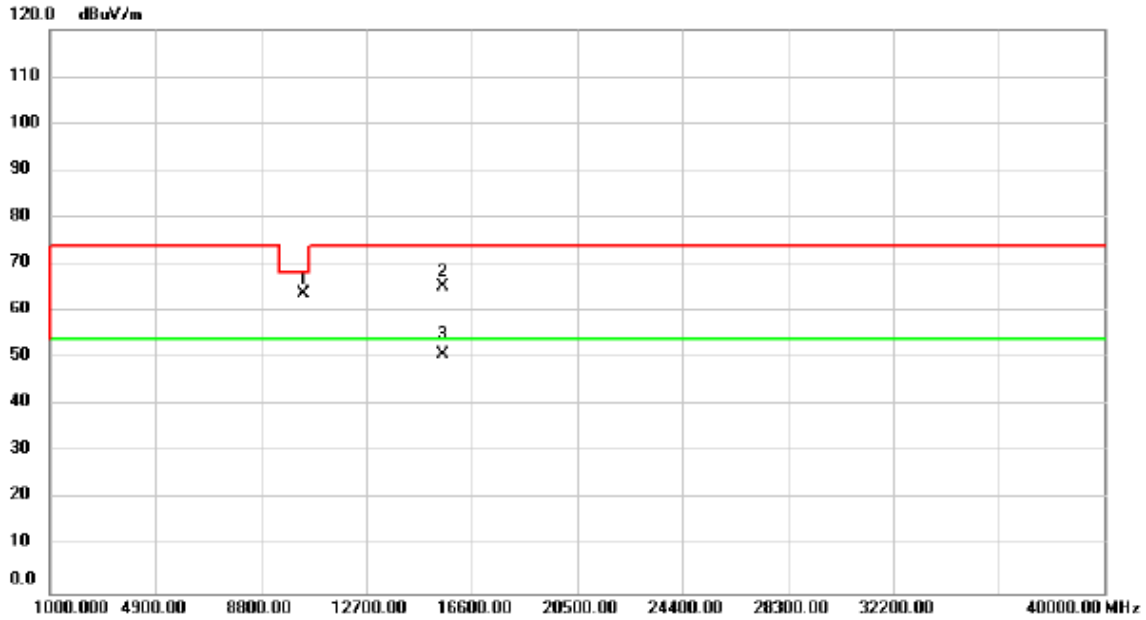
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	63.35	1.85	65.20	68.20	-3.00	peak	
2		15540.00	58.42	5.00	63.42	74.00	-10.58	peak	
3		15540.00	45.88	5.00	50.88	54.00	-3.12	AVG	

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

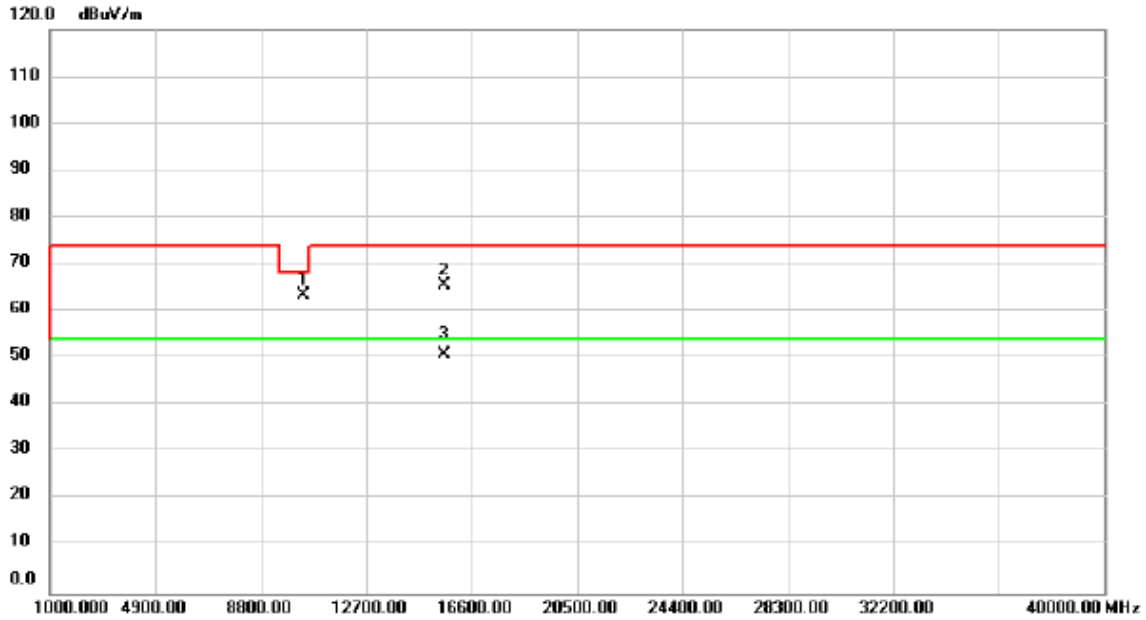
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10360.00	61.93	1.85	63.78	68.20	-4.42	peak	
2		15540.00	60.23	5.00	65.23	74.00	-8.77	peak	
3	*	15540.00	46.00	5.00	51.00	54.00	-3.00	AVG	

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

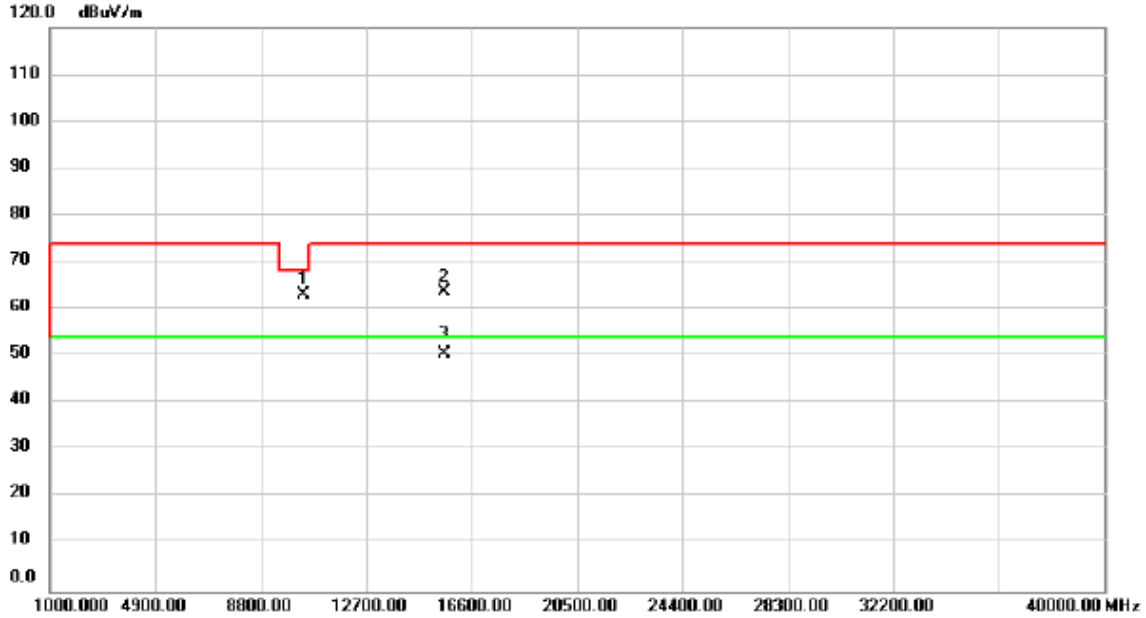
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10400.00	61.51	1.87	63.38	68.20	-4.82	peak	
2		15600.00	60.48	4.96	65.44	74.00	-8.56	peak	
3	*	15600.00	46.02	4.96	50.98	54.00	-3.02	AVG	

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

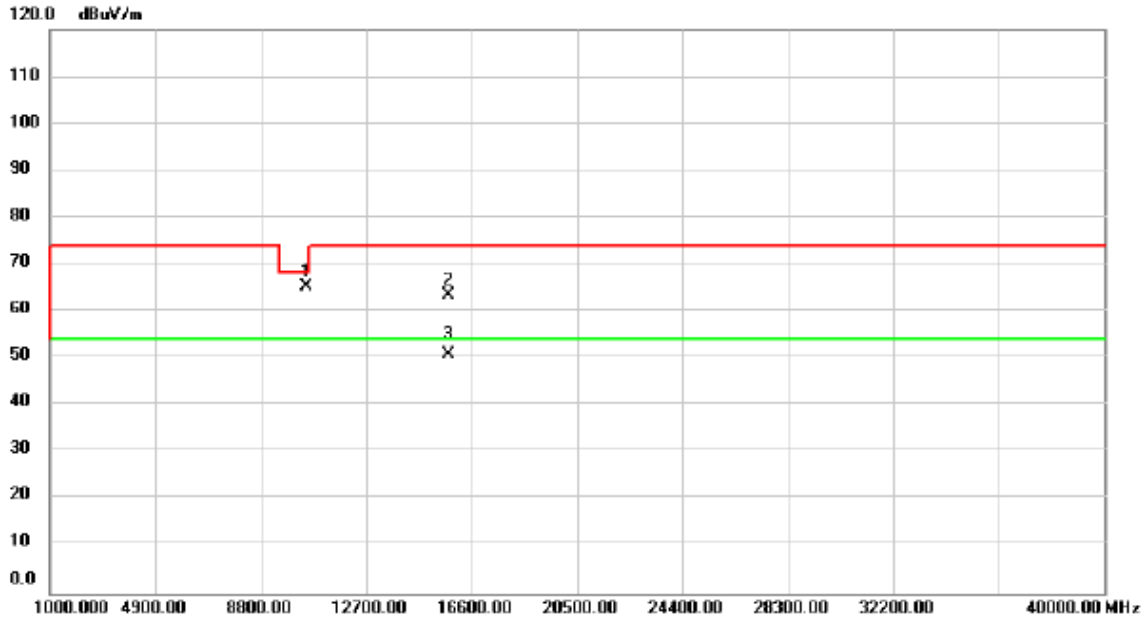
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10400.00	61.19	1.87	63.06	68.20	-5.14	peak	
2		15600.00	58.88	4.96	63.84	74.00	-10.16	peak	
3	*	15600.00	45.53	4.96	50.49	54.00	-3.51	AVG	

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

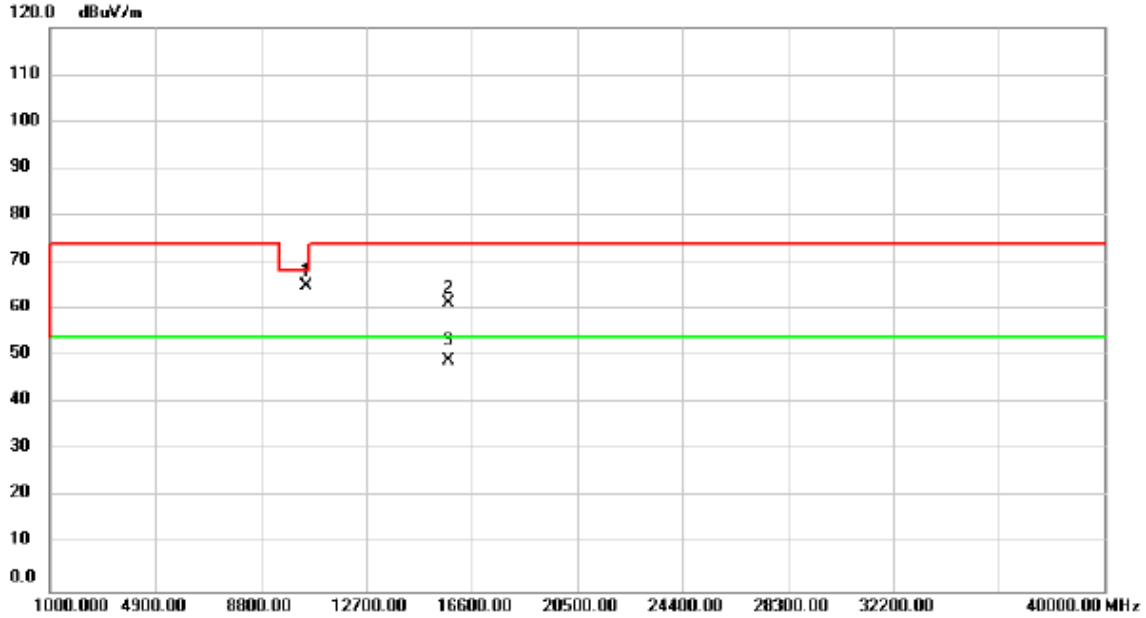
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	63.33	1.87	65.20	68.20	-3.00	peak	
2		15720.00	58.65	4.87	63.52	74.00	-10.48	peak	
3		15720.00	45.96	4.87	50.83	54.00	-3.17	AVG	

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

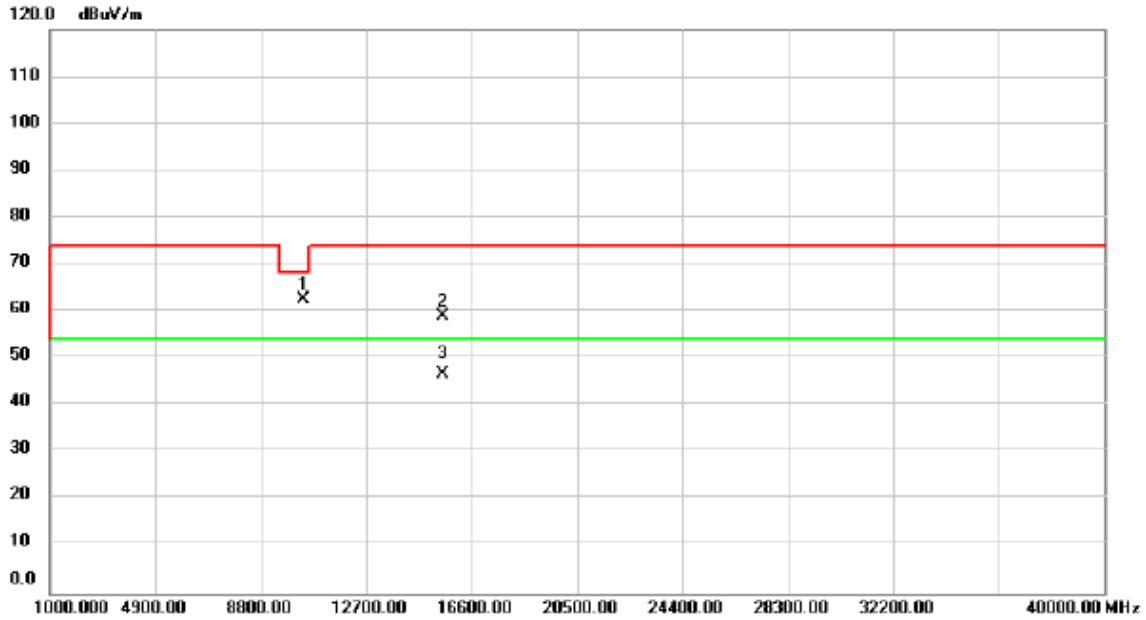
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	62.99	1.87	64.86	68.20	-3.34	peak	
2		15720.00	56.35	4.87	61.22	74.00	-12.78	peak	
3		15720.00	44.09	4.87	48.96	54.00	-5.04	AVG	

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

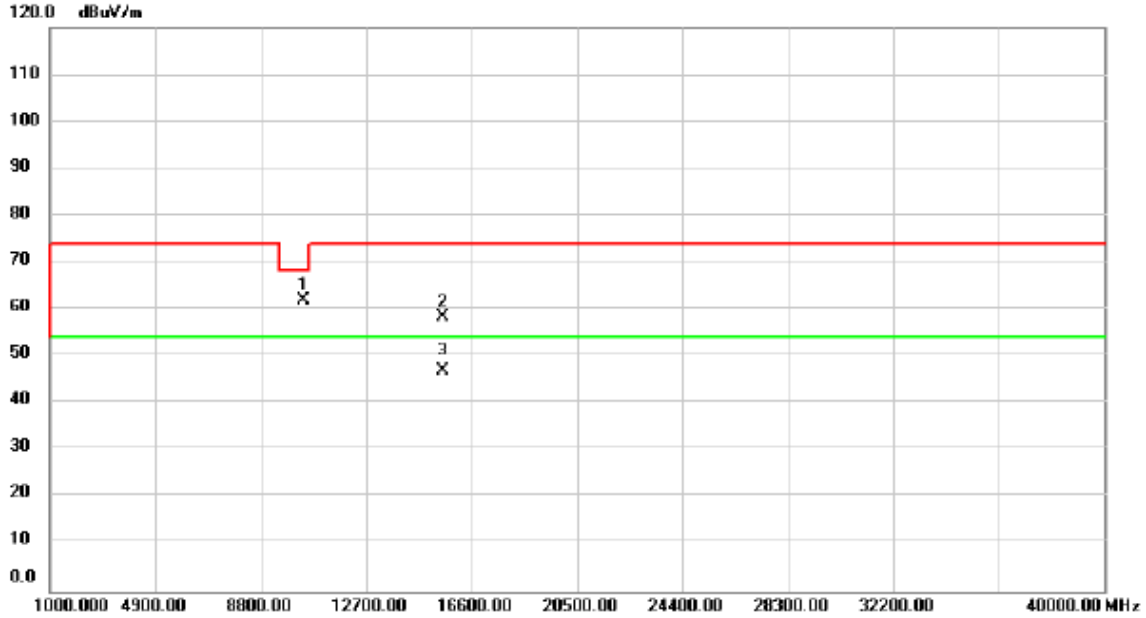
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	60.81	1.85	62.66	68.20	-5.54	peak	
2		15540.00	54.06	5.00	59.06	74.00	-14.94	peak	
3		15540.00	41.62	5.00	46.62	54.00	-7.38	AVG	

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

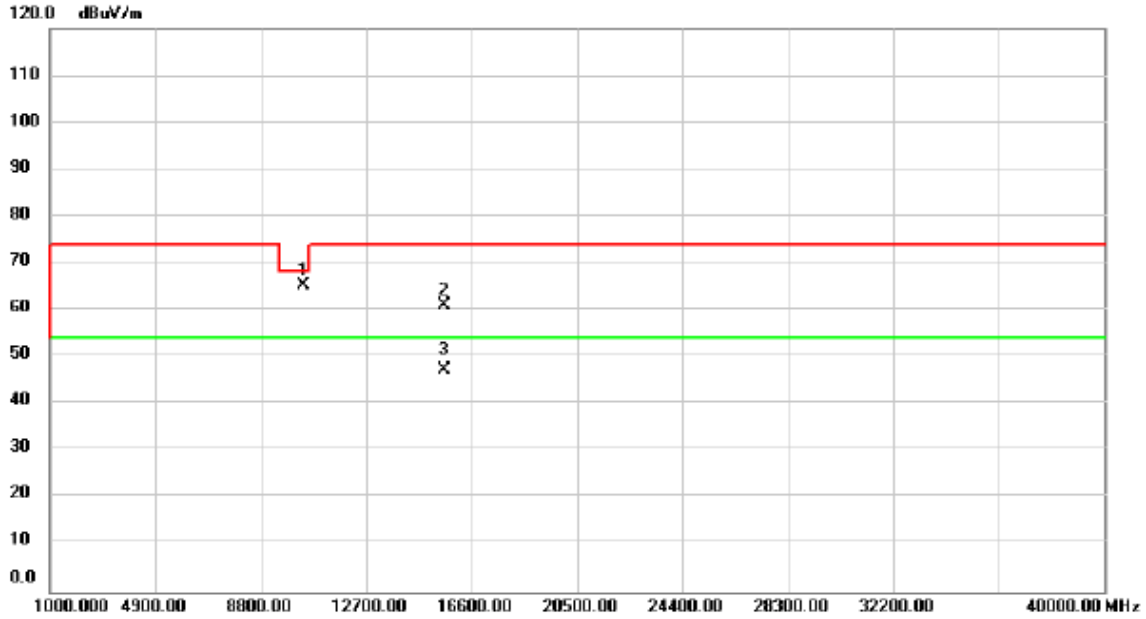
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	60.25	1.85	62.10	68.20	-6.10	peak	
2		15540.00	53.50	5.00	58.50	74.00	-15.50	peak	
3		15540.00	42.10	5.00	47.10	54.00	-6.90	AVG	

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

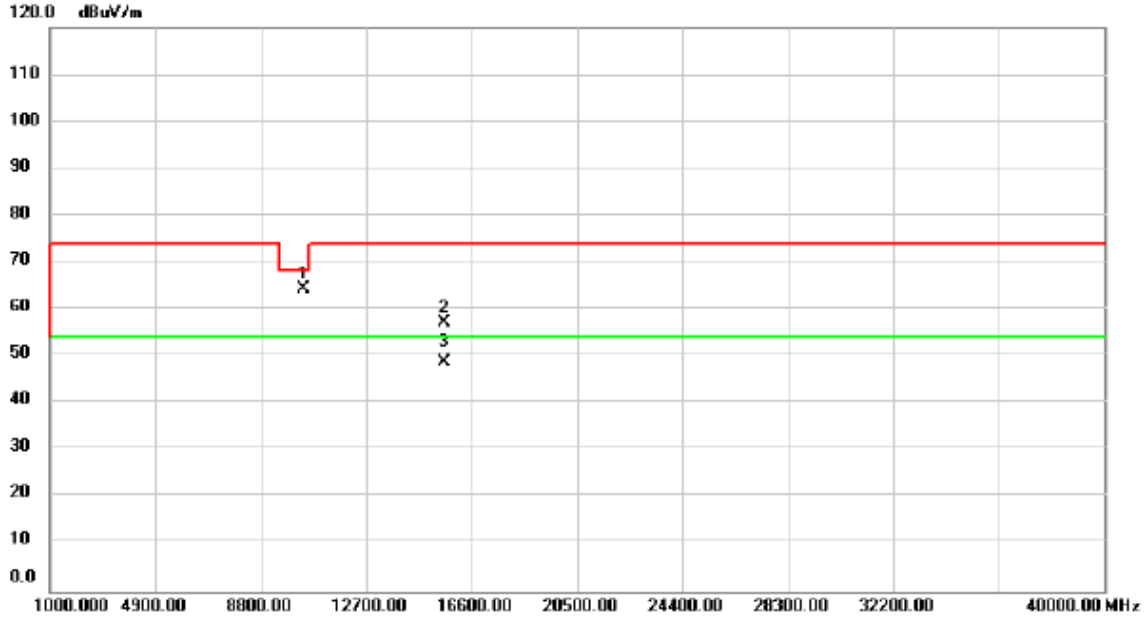
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.98	63.31	1.87	65.18	68.20	-3.02	peak	
2		15600.00	56.07	4.96	61.03	74.00	-12.97	peak	
3		15600.00	42.38	4.96	47.34	54.00	-6.66	AVG	

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

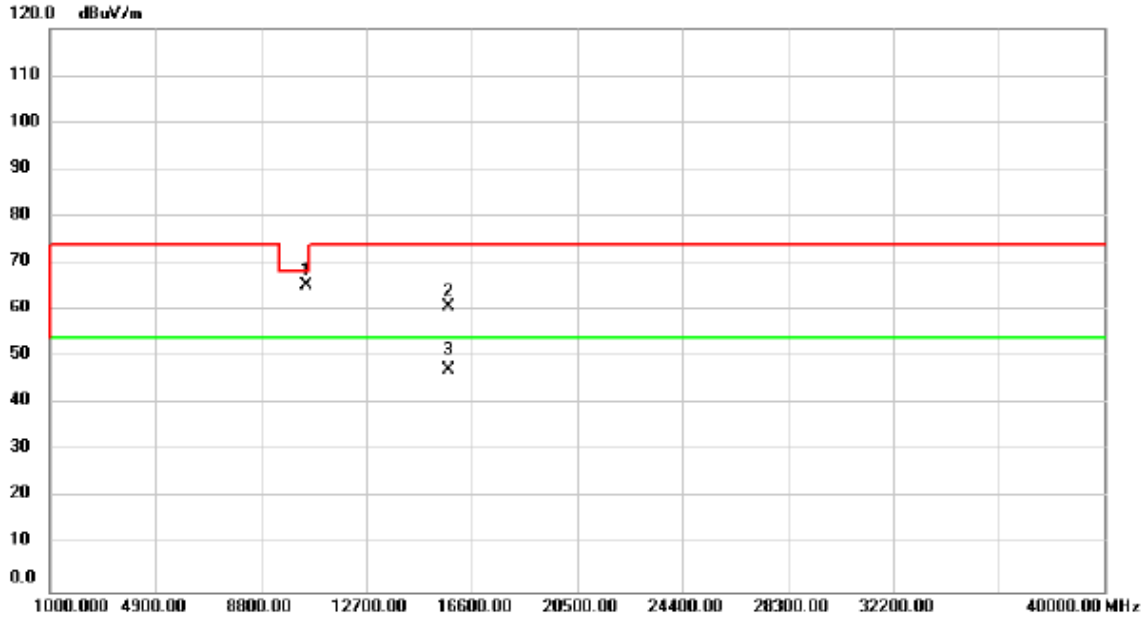
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	62.50	1.87	64.37	68.20	-3.83	peak	
2		15600.00	52.18	4.96	57.14	74.00	-16.86	peak	
3		15600.00	43.70	4.96	48.66	54.00	-5.34	AVG	

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

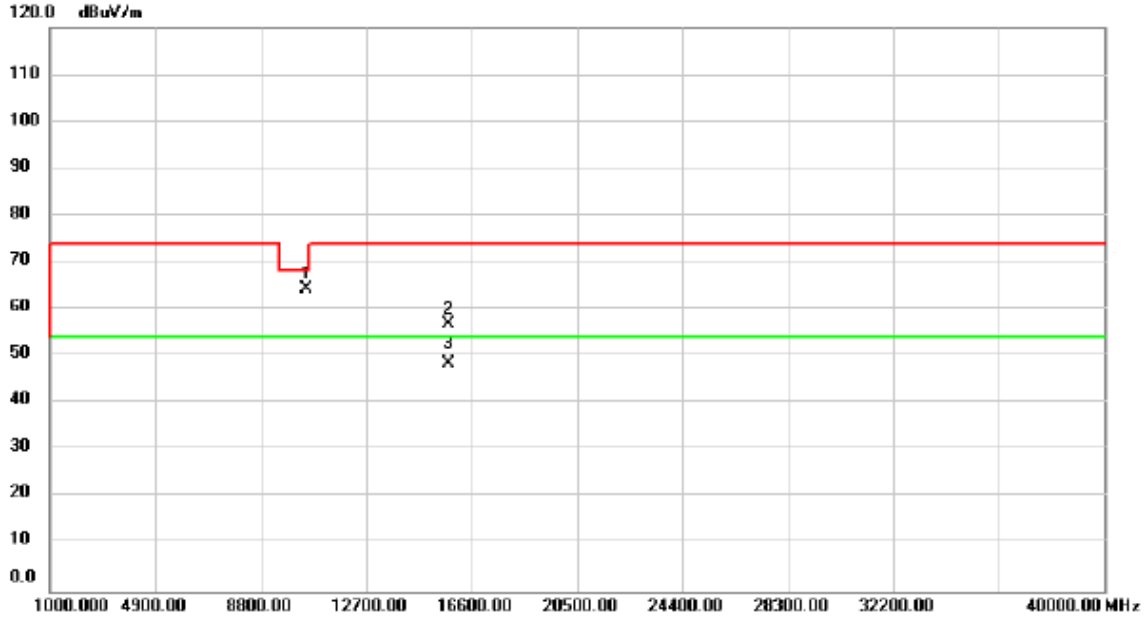
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	63.33	1.87	65.20	68.20	-3.00	peak	
2		15720.00	55.87	4.87	60.74	74.00	-13.26	peak	
3		15720.00	42.34	4.87	47.21	54.00	-6.79	AVG	

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

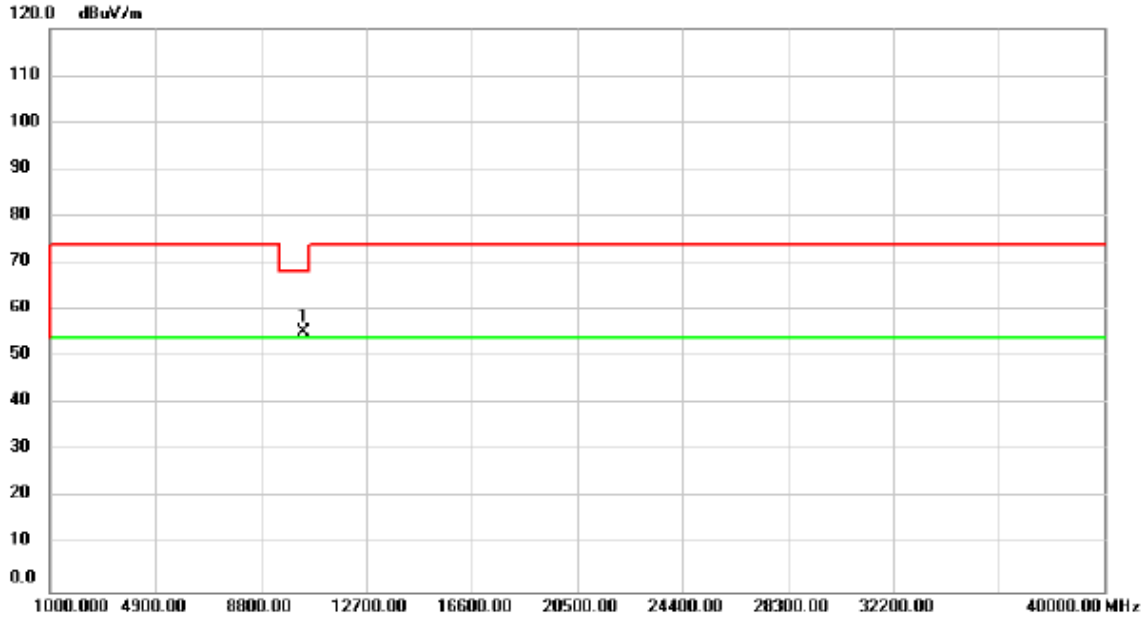
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	62.59	1.87	64.46	68.20	-3.74	peak	
2		15720.00	51.88	4.87	56.75	74.00	-17.25	peak	
3		15720.00	43.56	4.87	48.43	54.00	-5.57	AVG	

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

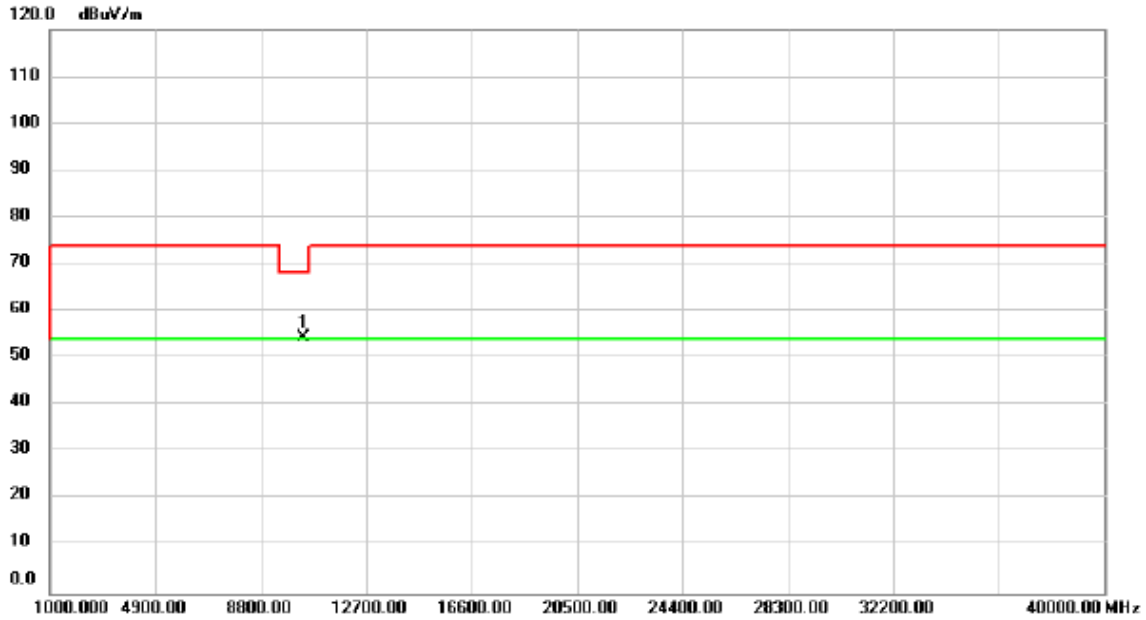
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00	53.51	1.87	55.38	68.20	-12.82	peak	

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

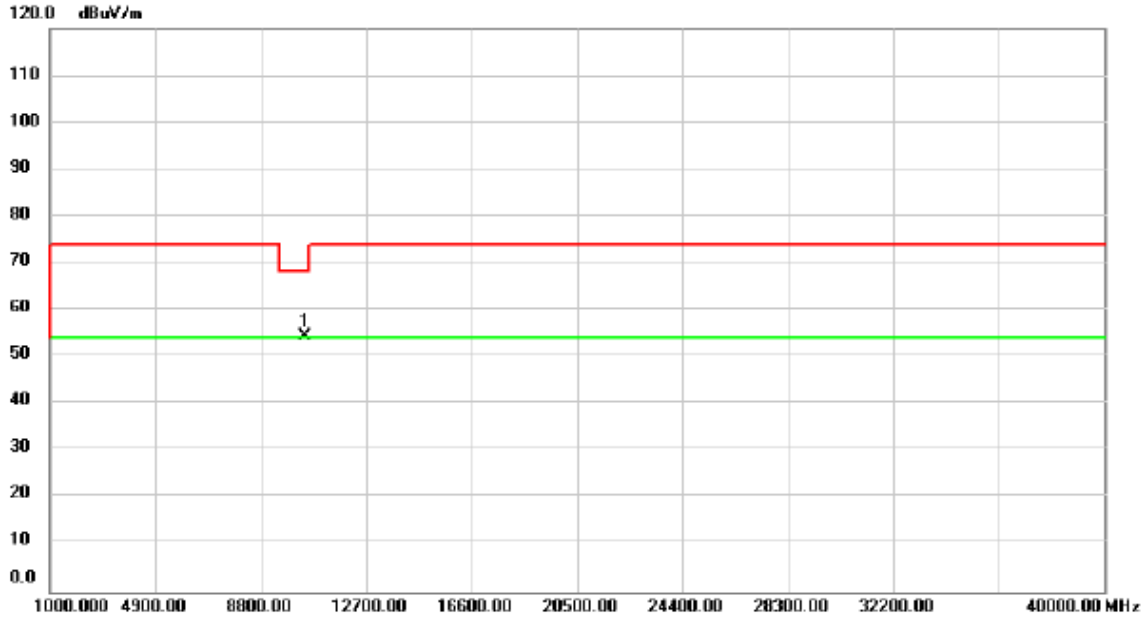
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00	52.56	1.87	54.43	68.20	-13.77	peak	

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

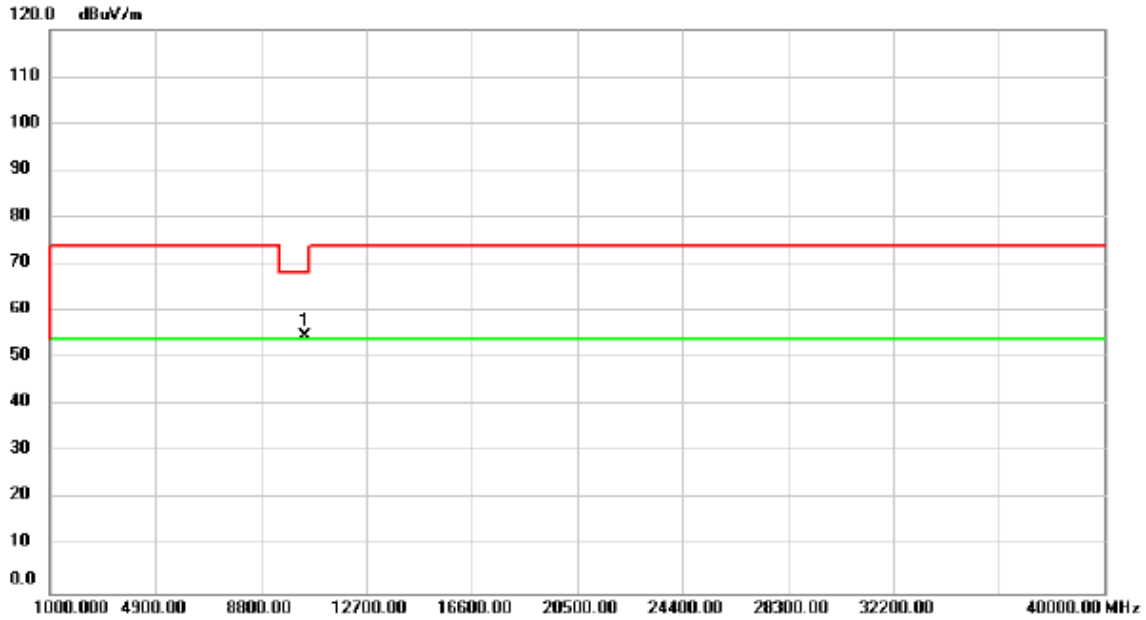
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10460.00	52.53	1.87	54.40	68.20	-13.80	peak	

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

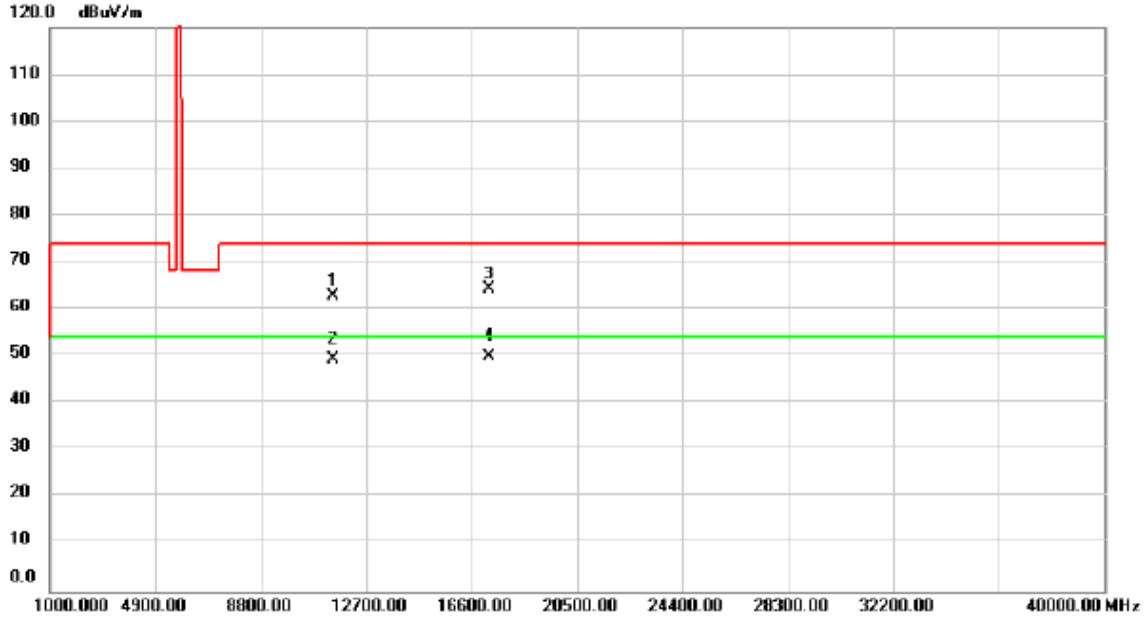
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10460.00	52.98	1.87	54.85	68.20	-13.35	peak	

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

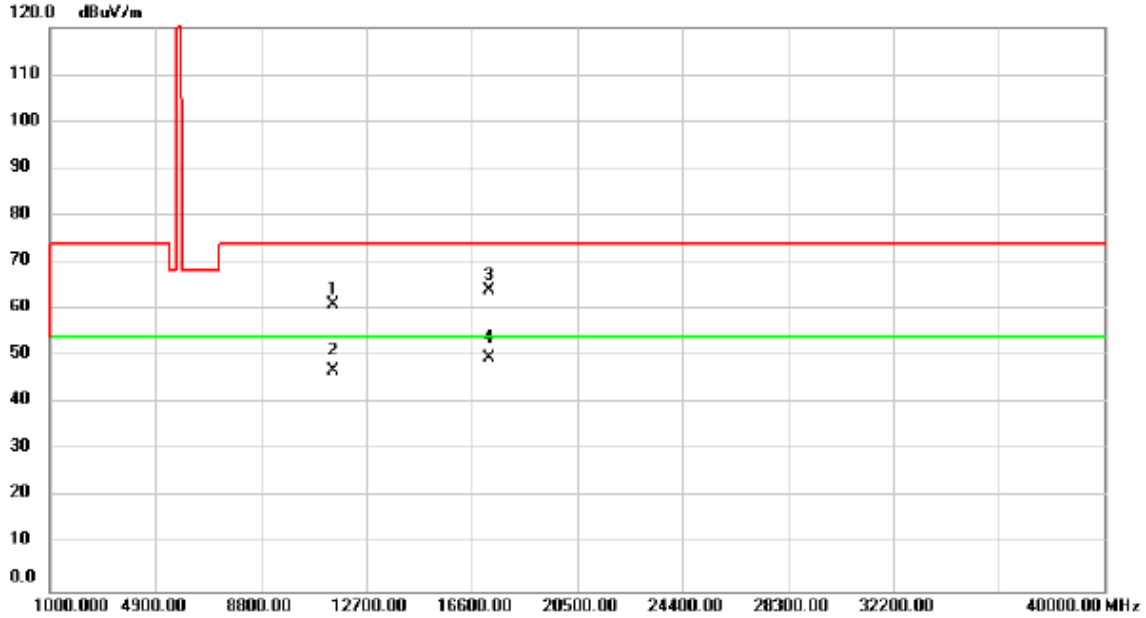
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	59.26	3.60	62.86	74.00	-11.14	peak	
2		11490.00	45.73	3.60	49.33	54.00	-4.67	AVG	
3		17235.00	56.16	8.11	64.27	74.00	-9.73	peak	
4	*	17235.00	41.84	8.11	49.95	54.00	-4.05	AVG	

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

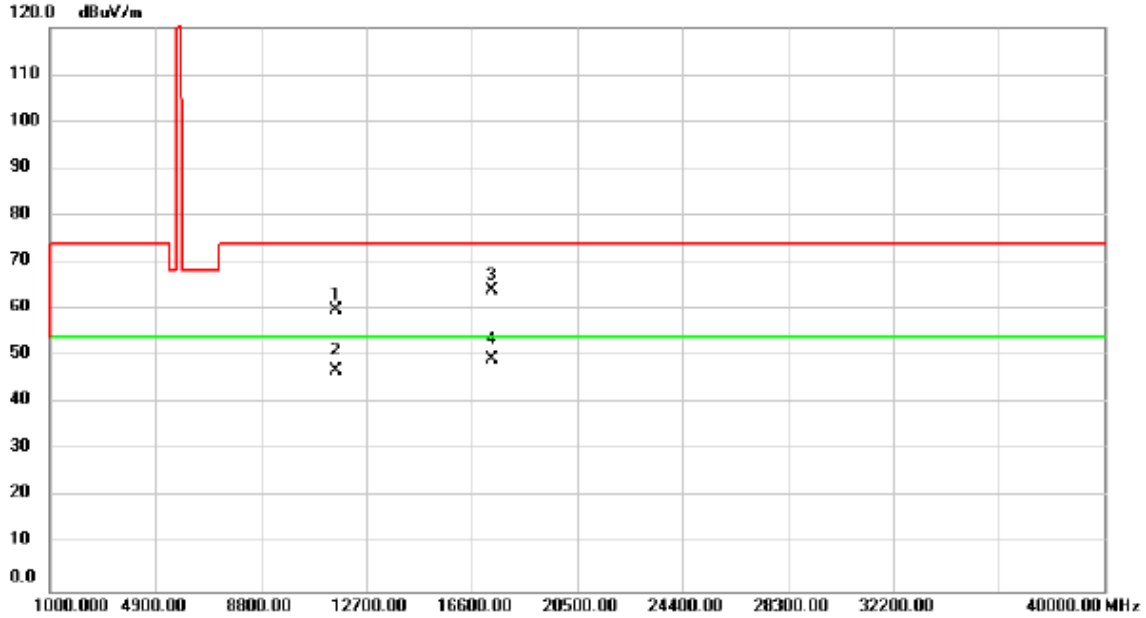
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	57.58	3.60	61.18	74.00	-12.82	peak	
2		11490.00	43.31	3.60	46.91	54.00	-7.09	AVG	
3		17235.00	55.87	8.11	63.98	74.00	-10.02	peak	
4	*	17235.00	41.54	8.11	49.65	54.00	-4.35	AVG	

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

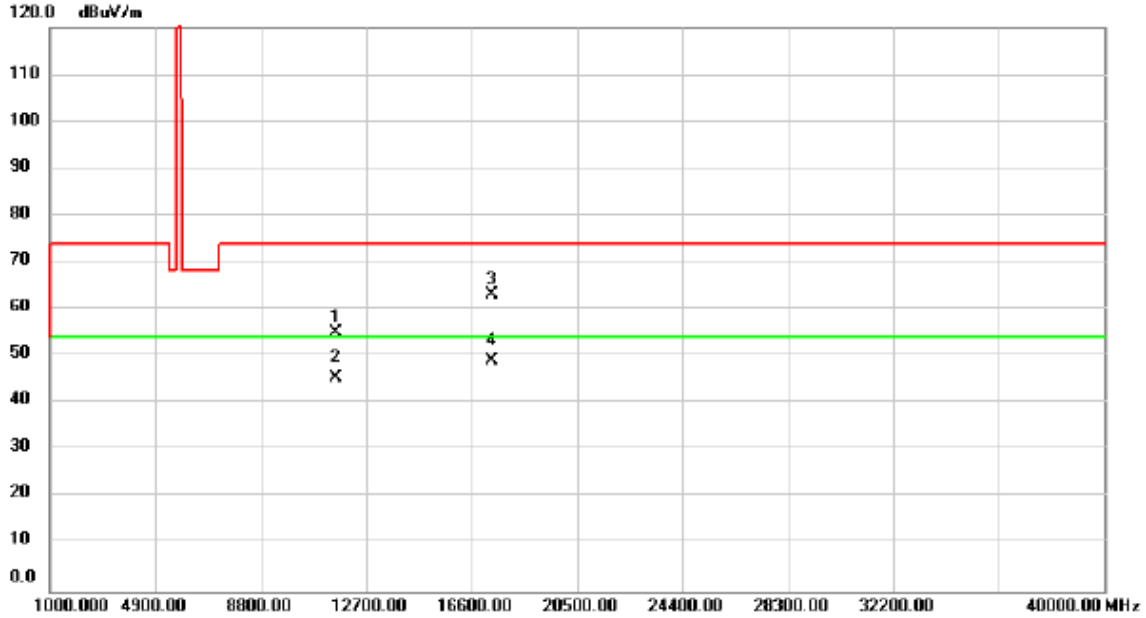
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	56.50	3.48	59.98	74.00	-14.02	peak	
2		11570.00	43.49	3.48	46.97	54.00	-7.03	AVG	
3		17355.00	55.66	8.53	64.19	74.00	-9.81	peak	
4	*	17355.00	40.74	8.53	49.27	54.00	-4.73	AVG	

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

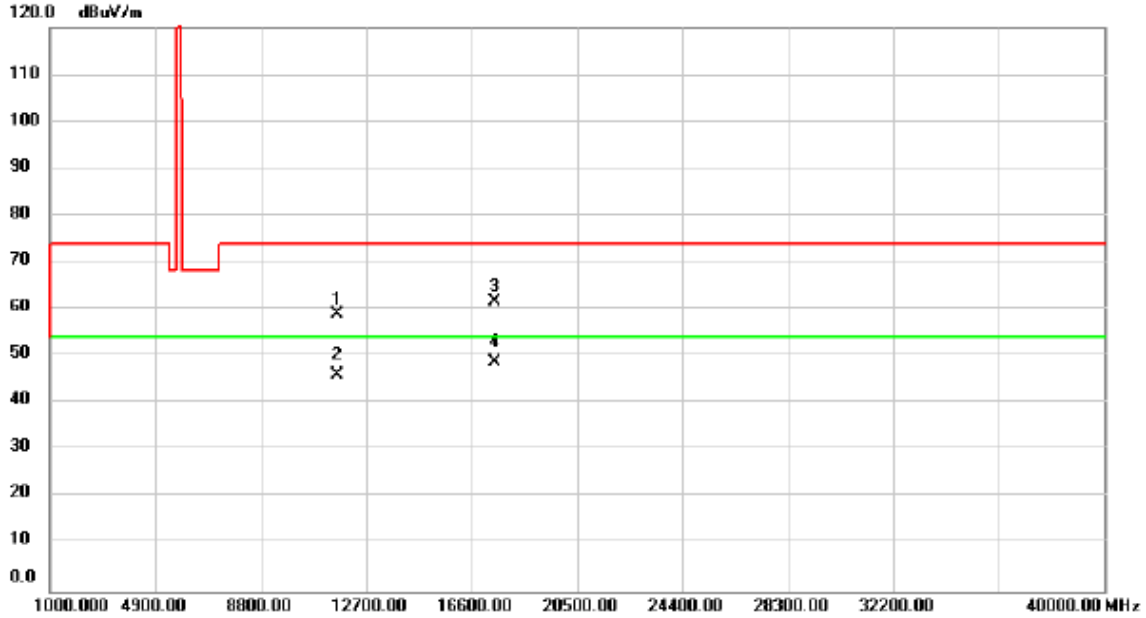
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	51.69	3.48	55.17	74.00	-18.83	peak	
2		11570.00	41.98	3.48	45.46	54.00	-8.54	AVG	
3		17355.00	54.73	8.53	63.26	74.00	-10.74	peak	
4	*	17355.00	40.55	8.53	49.08	54.00	-4.92	AVG	

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

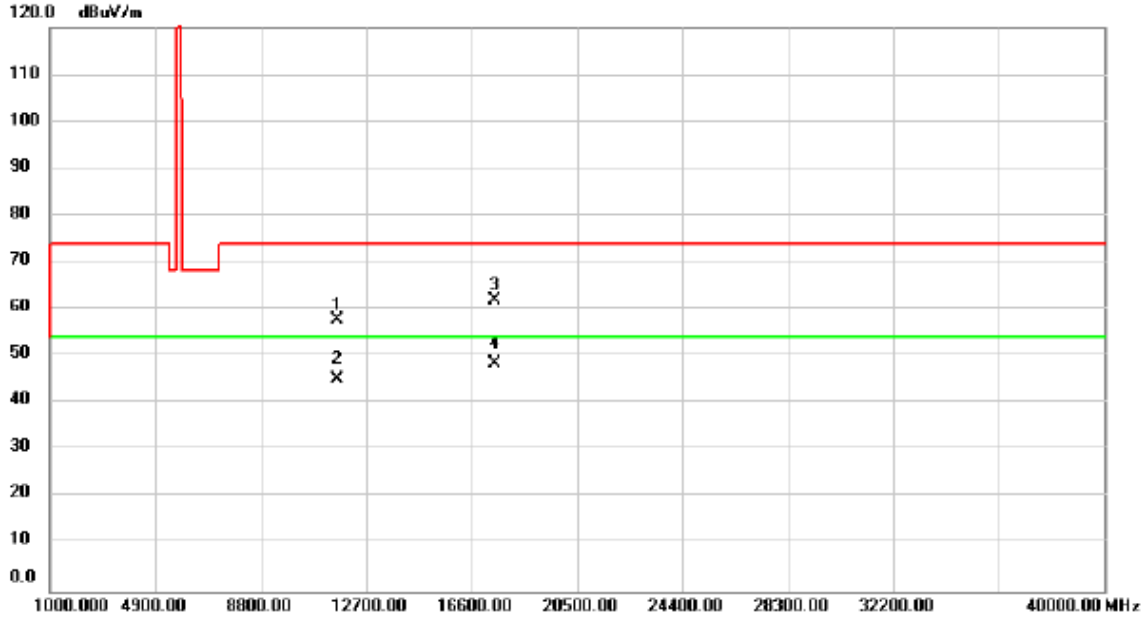
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	55.72	3.33	59.05	74.00	-14.95	peak	
2		11650.00	42.82	3.33	46.15	54.00	-7.85	AVG	
3		17475.00	52.77	8.97	61.74	74.00	-12.26	peak	
4	*	17475.00	39.70	8.97	48.67	54.00	-5.33	AVG	

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

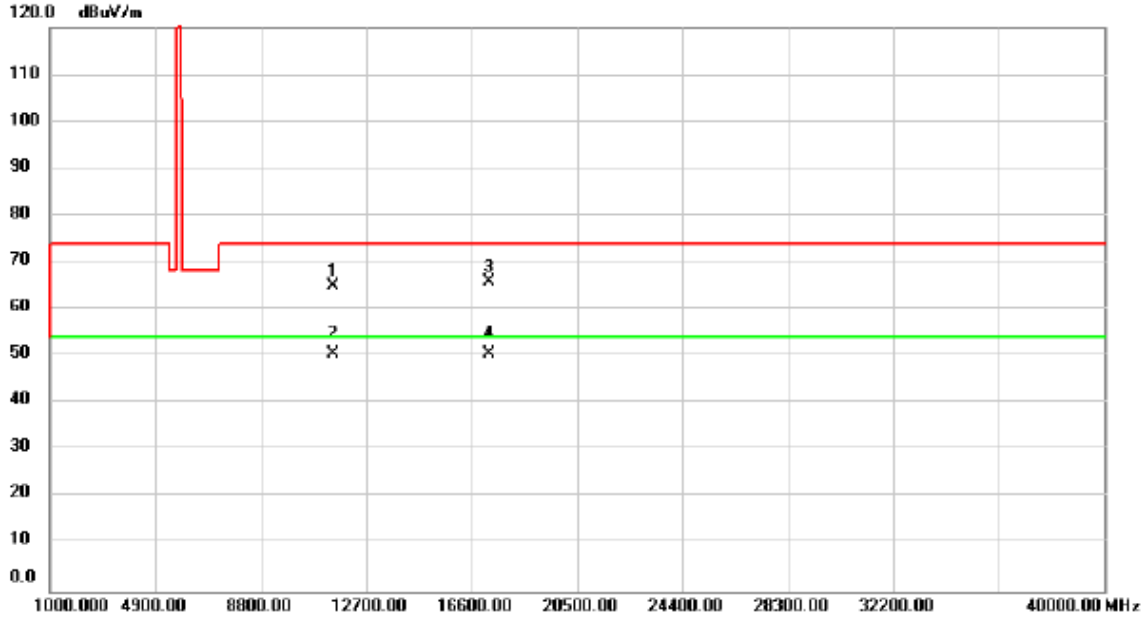
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	54.52	3.33	57.85	74.00	-16.15	peak	
2		11650.00	41.86	3.33	45.19	54.00	-8.81	AVG	
3		17475.00	53.09	8.97	62.06	74.00	-11.94	peak	
4	*	17475.00	39.60	8.97	48.57	54.00	-5.43	AVG	

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

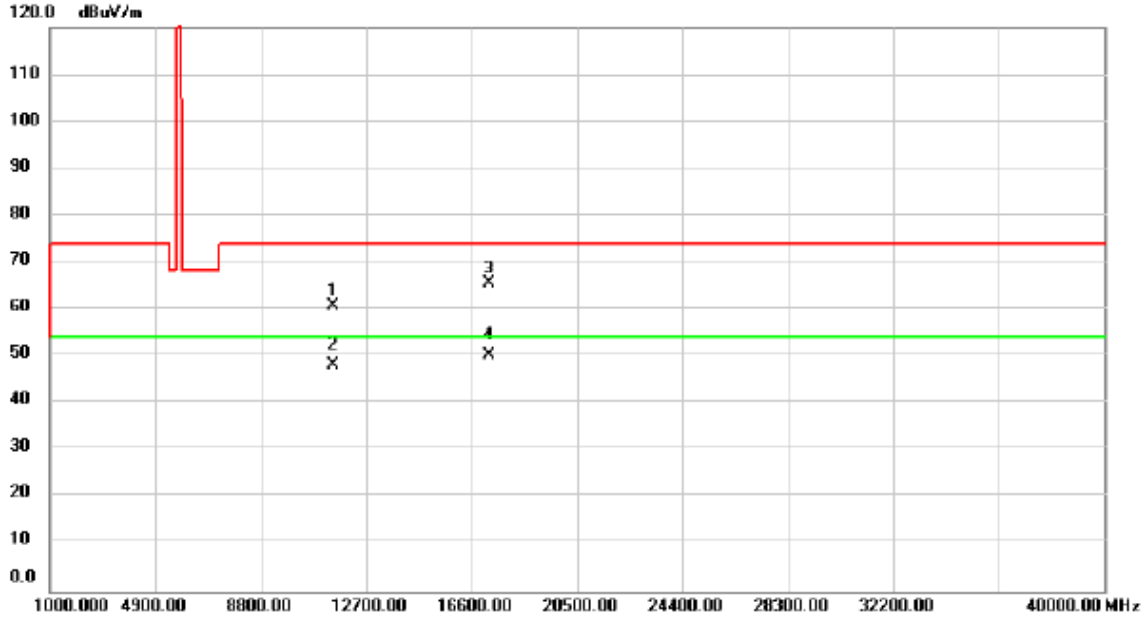
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	61.41	3.60	65.01	74.00	-8.99	peak	
2	*	11490.00	47.05	3.60	50.65	54.00	-3.35	AVG	
3		17235.00	57.64	8.11	65.75	74.00	-8.25	peak	
4		17235.00	42.45	8.11	50.56	54.00	-3.44	AVG	

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

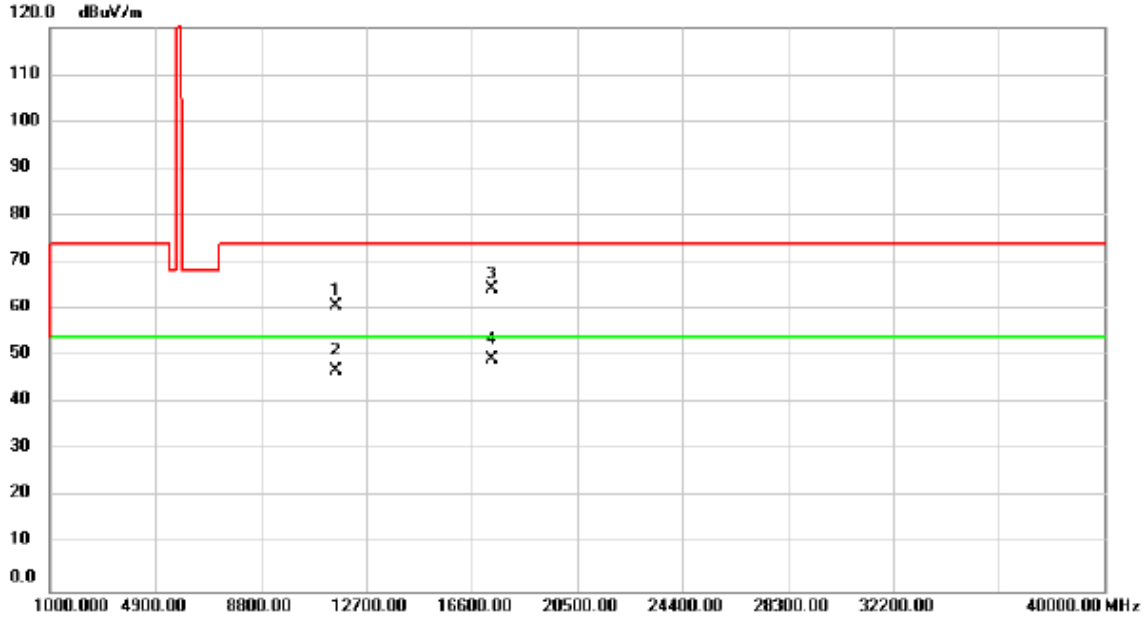
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	57.12	3.60	60.72	74.00	-13.28	peak	
2		11490.00	44.62	3.60	48.22	54.00	-5.78	AVG	
3		17235.00	57.39	8.11	65.50	74.00	-8.50	peak	
4	*	17235.00	42.19	8.11	50.30	54.00	-3.70	AVG	

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

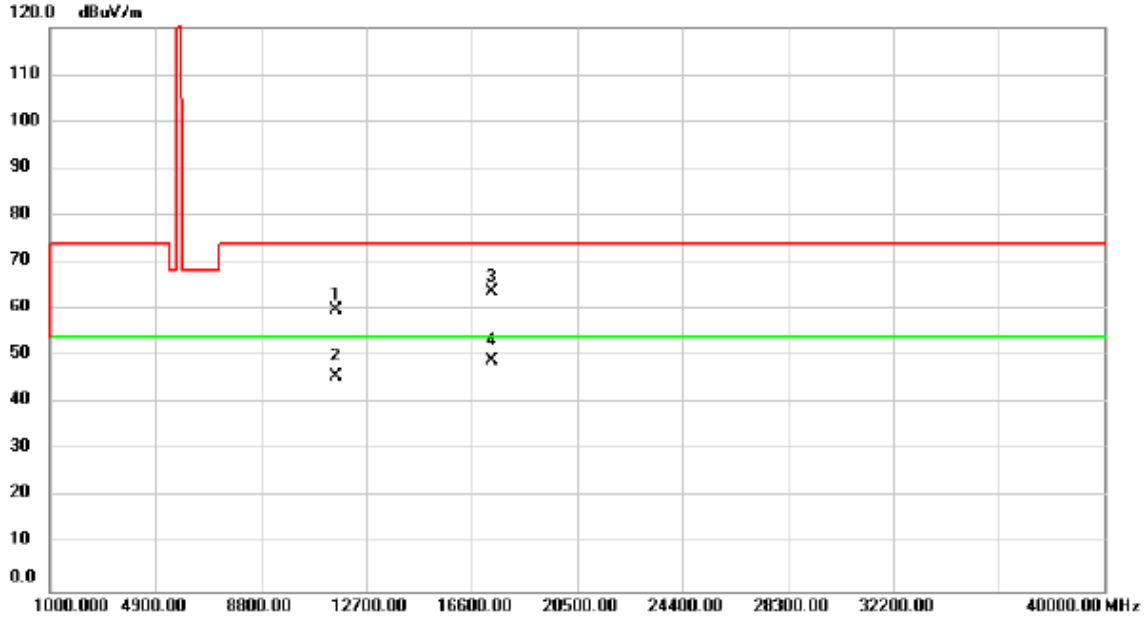
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	57.13	3.48	60.61	74.00	-13.39	peak	
2		11570.00	43.33	3.48	46.81	54.00	-7.19	AVG	
3		17355.00	55.70	8.53	64.23	74.00	-9.77	peak	
4	*	17355.00	40.91	8.53	49.44	54.00	-4.56	AVG	

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

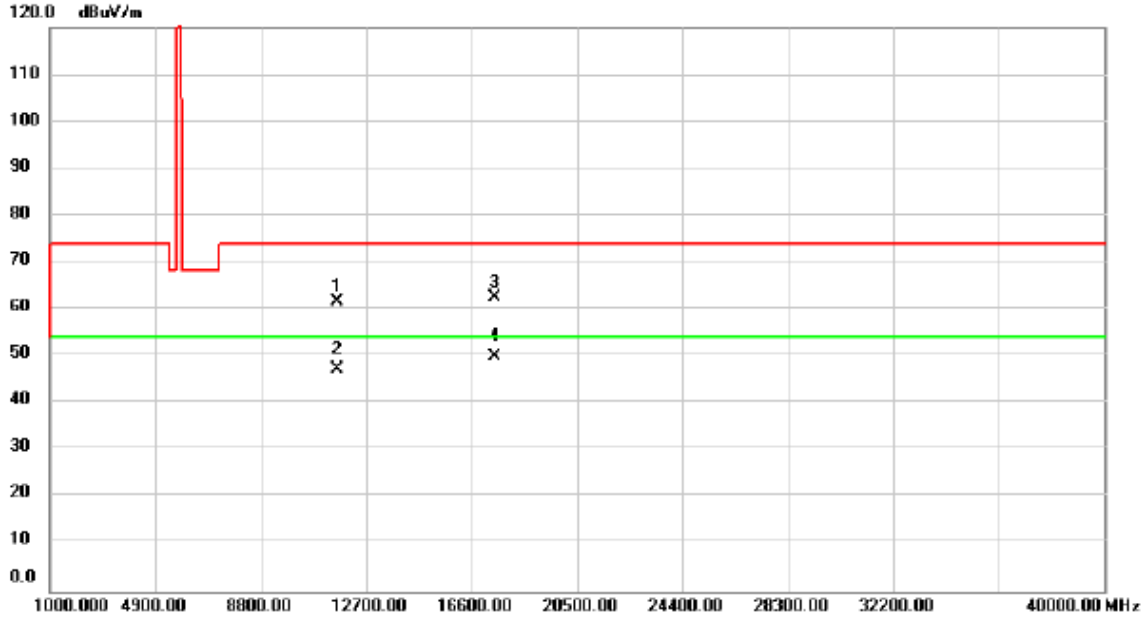
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	56.46	3.48	59.94	74.00	-14.06	peak	
2		11570.00	42.34	3.48	45.82	54.00	-8.18	AVG	
3		17355.00	55.12	8.53	63.65	74.00	-10.35	peak	
4	*	17355.00	40.42	8.53	48.95	54.00	-5.05	AVG	

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

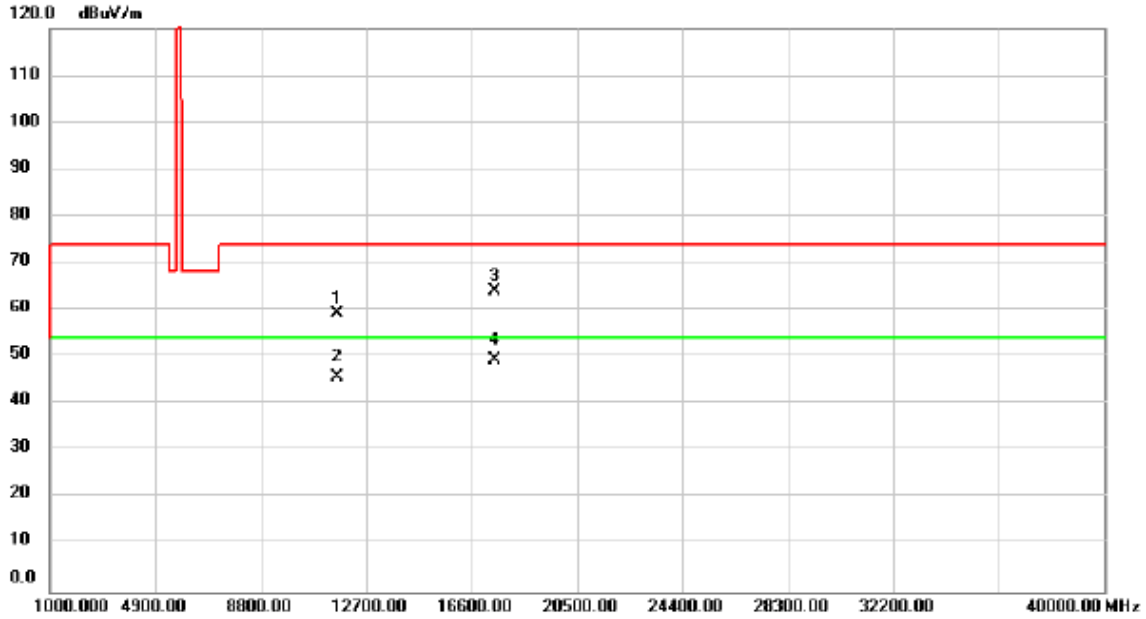
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	58.33	3.33	61.66	74.00	-12.34	peak	
2		11650.00	43.94	3.33	47.27	54.00	-6.73	AVG	
3		17475.00	53.54	8.97	62.51	74.00	-11.49	peak	
4	*	17475.00	40.98	8.97	49.95	54.00	-4.05	AVG	

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

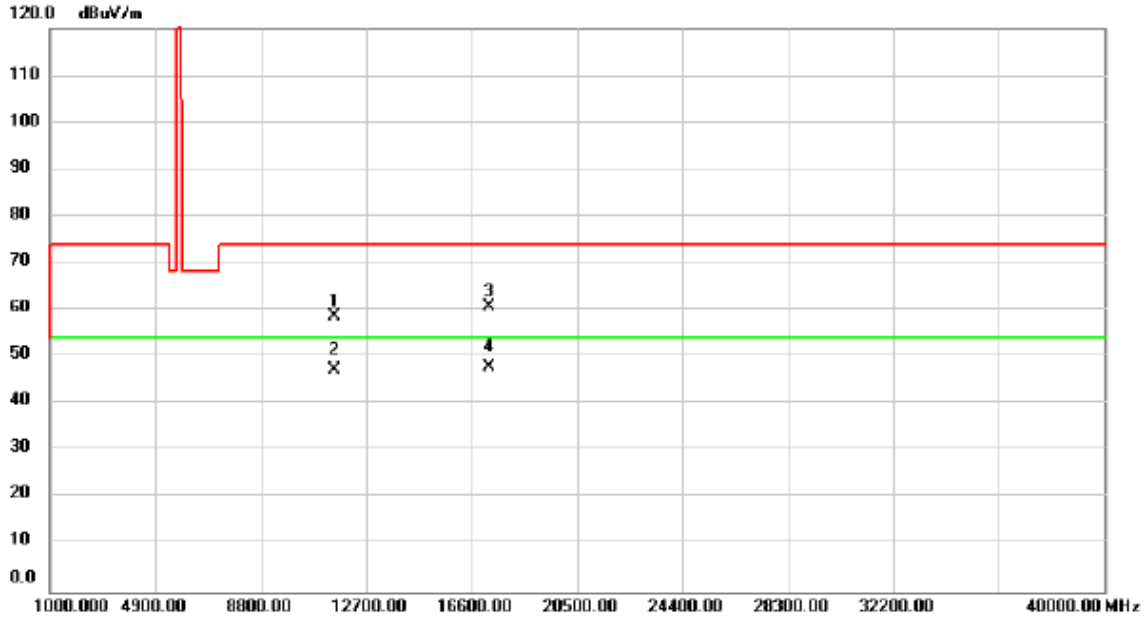
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	55.95	3.33	59.28	74.00	-14.72	peak	
2		11650.00	42.44	3.33	45.77	54.00	-8.23	AVG	
3		17475.00	54.98	8.97	63.95	74.00	-10.05	peak	
4	*	17475.00	40.31	8.97	49.28	54.00	-4.72	AVG	

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

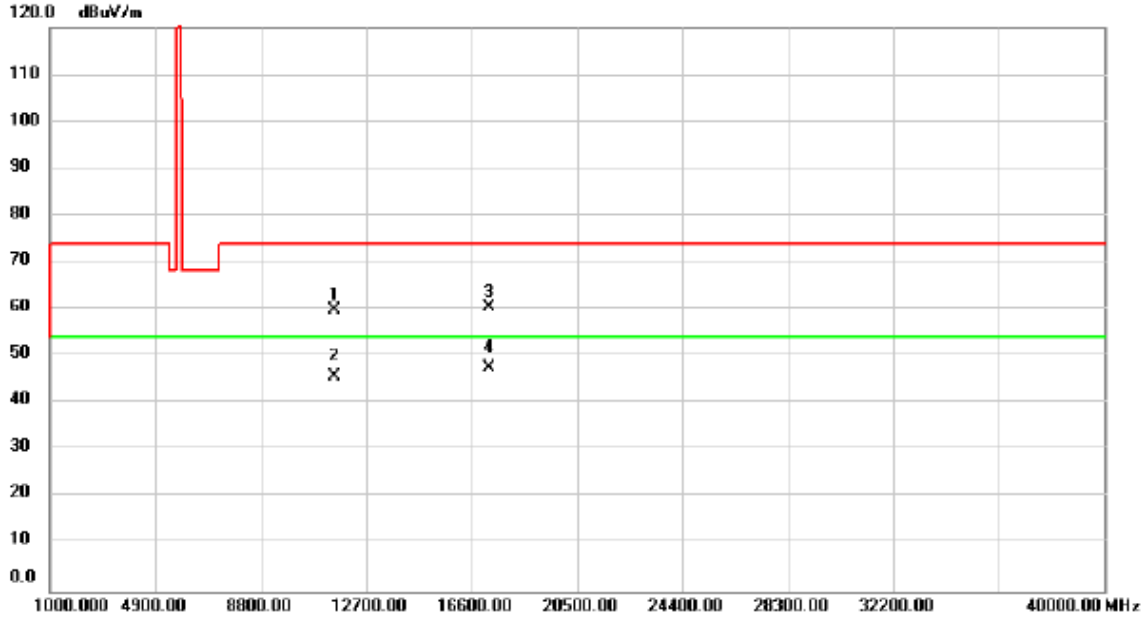
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.00	55.05	3.60	58.65	74.00	-15.35	peak	
2		11510.00	43.77	3.60	47.37	54.00	-6.63	AVG	
3		17265.00	52.66	8.22	60.88	74.00	-13.12	peak	
4	*	17265.00	39.73	8.22	47.95	54.00	-6.05	AVG	

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

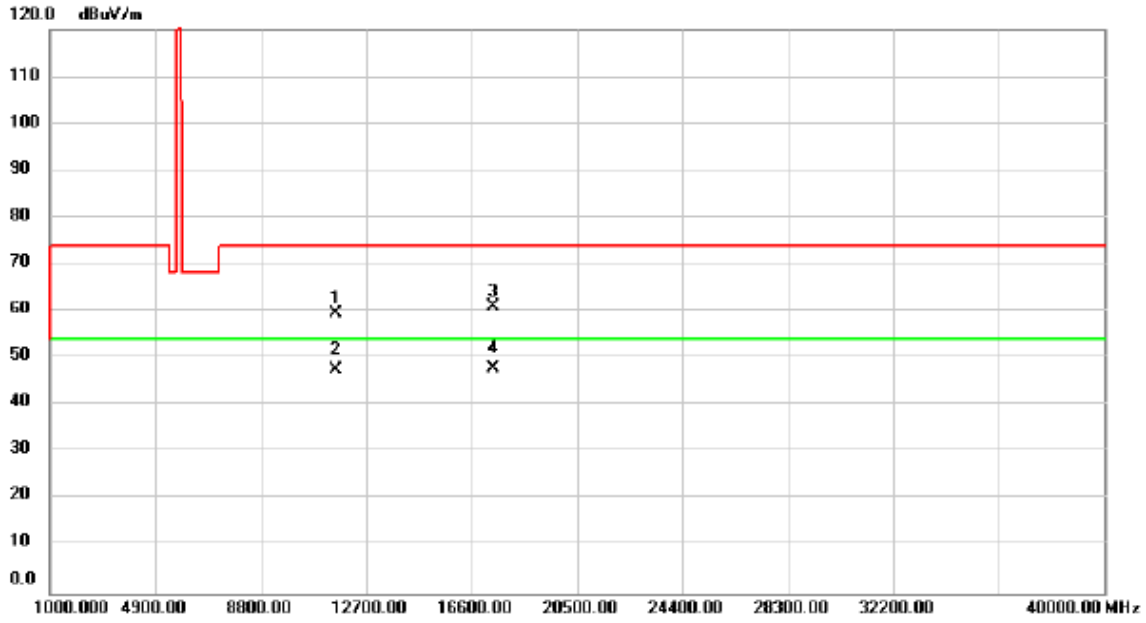
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.00	56.18	3.60	59.78	74.00	-14.22	peak	
2		11510.00	42.26	3.60	45.86	54.00	-8.14	AVG	
3		17265.00	52.13	8.22	60.35	74.00	-13.65	peak	
4	*	17265.00	39.33	8.22	47.55	54.00	-6.45	AVG	

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

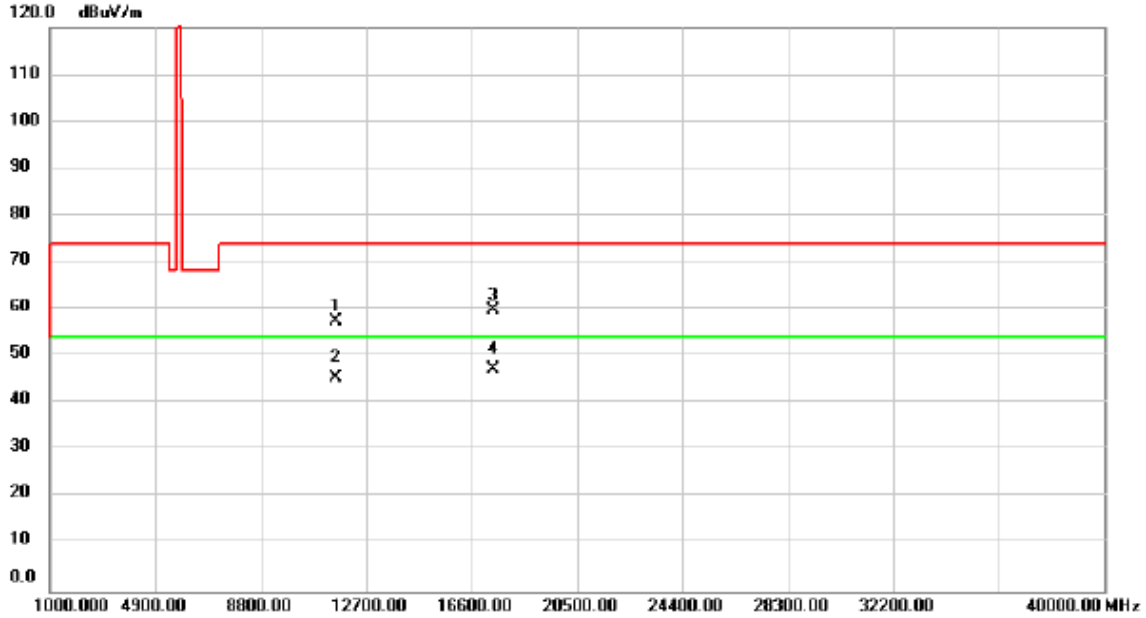
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11590.00	56.11	3.45	59.56	74.00	-14.44	peak	
2		11590.00	44.20	3.45	47.65	54.00	-6.35	AVG	
3		17385.00	52.37	8.65	61.02	74.00	-12.98	peak	
4	*	17385.00	39.13	8.65	47.78	54.00	-6.22	AVG	

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

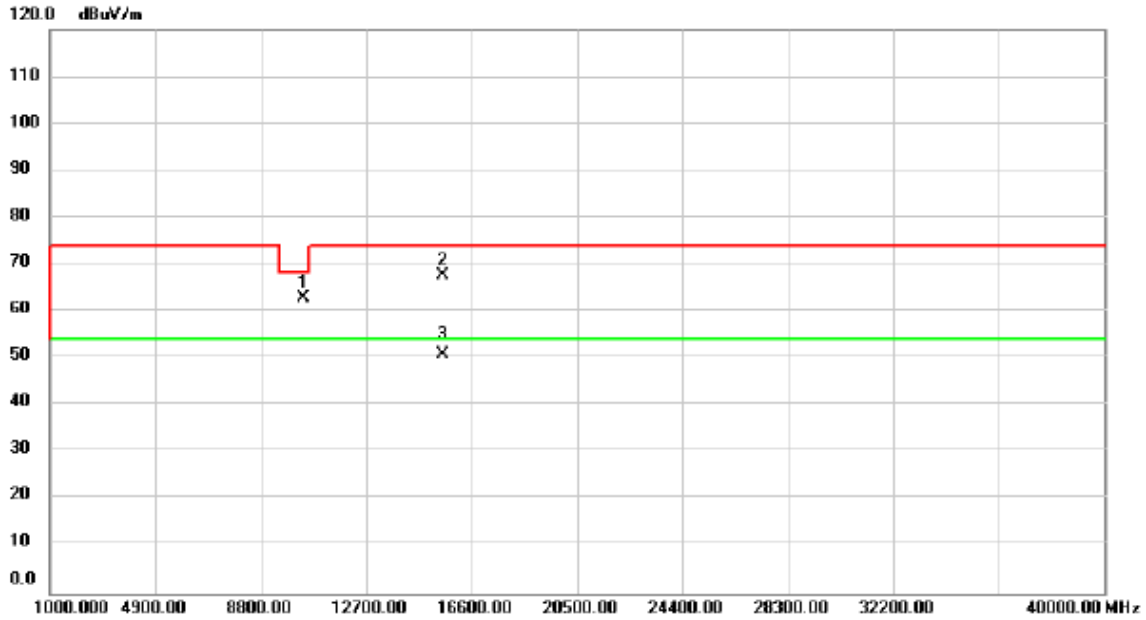
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11590.00	54.07	3.45	57.52	74.00	-16.48	peak	
2		11590.00	42.03	3.45	45.48	54.00	-8.52	AVG	
3		17385.00	51.08	8.65	59.73	74.00	-14.27	peak	
4	*	17385.00	38.49	8.65	47.14	54.00	-6.86	AVG	

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

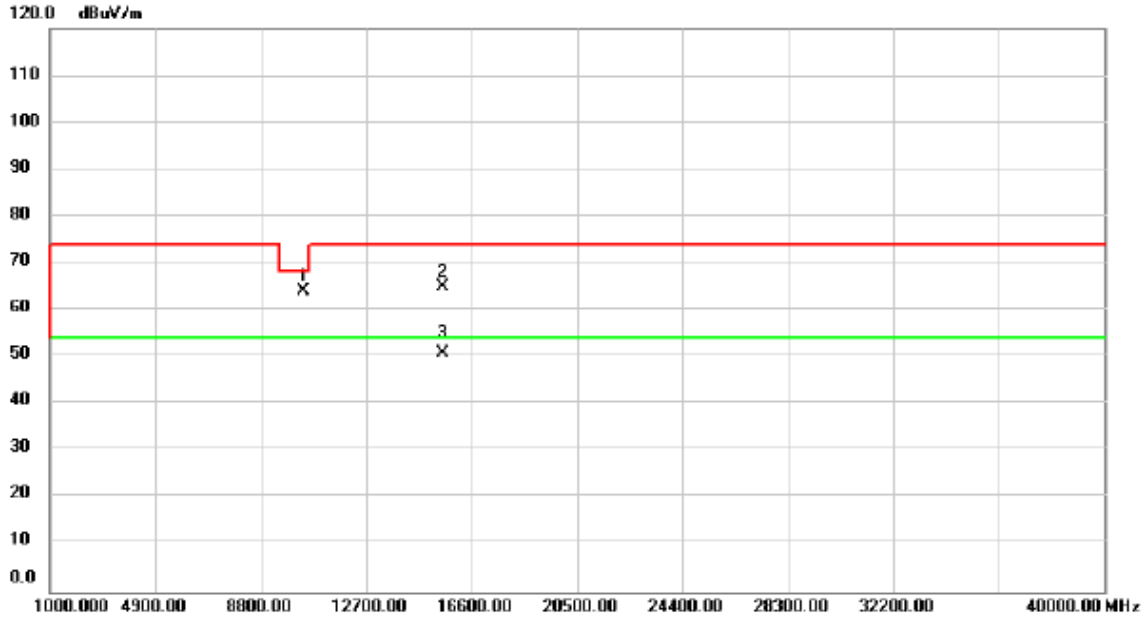
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10360.00	60.98	1.85	62.83	68.20	-5.37	peak	
2		15540.00	62.65	5.00	67.65	74.00	-6.35	peak	
3	*	15540.00	46.00	5.00	51.00	54.00	-3.00	AVG	

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

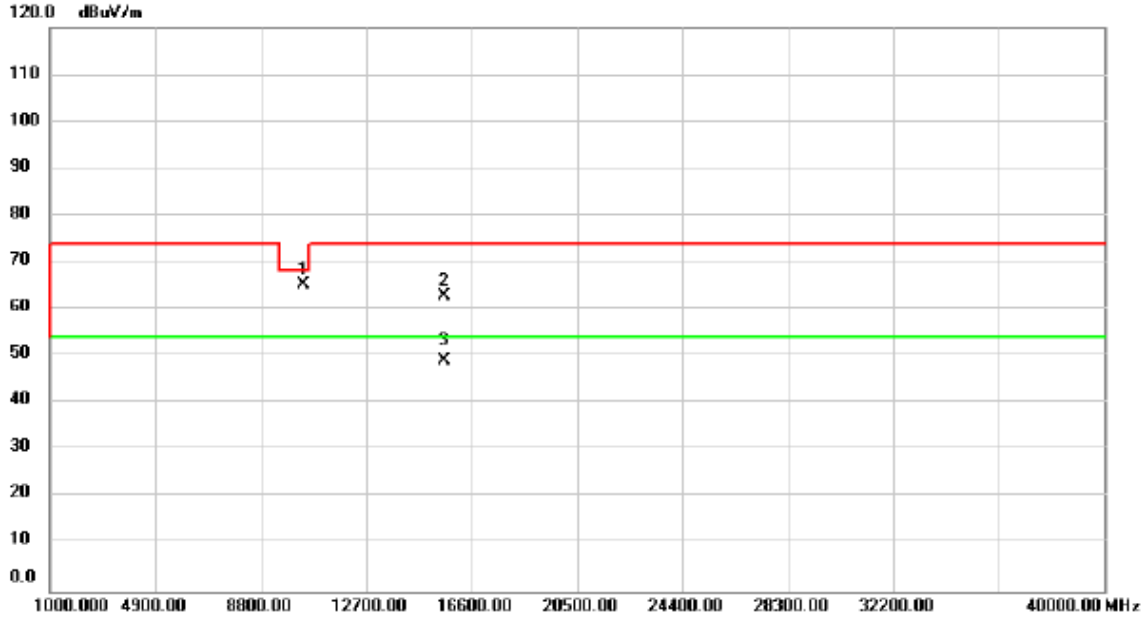
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10360.00	62.23	1.85	64.08	68.20	-4.12	peak	
2		15540.00	60.00	5.00	65.00	74.00	-9.00	peak	
3	*	15540.00	45.73	5.00	50.73	54.00	-3.27	AVG	

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

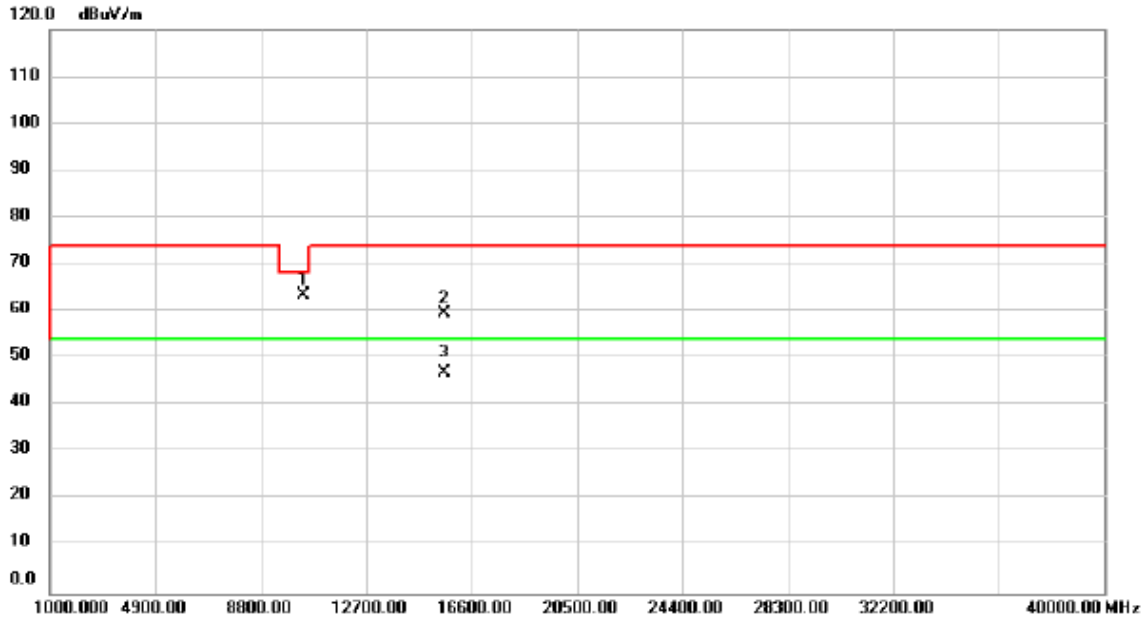
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	63.32	1.87	65.19	68.20	-3.01	peak	
2		15600.00	57.76	4.96	62.72	74.00	-11.28	peak	
3		15600.00	44.07	4.96	49.03	54.00	-4.97	AVG	

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

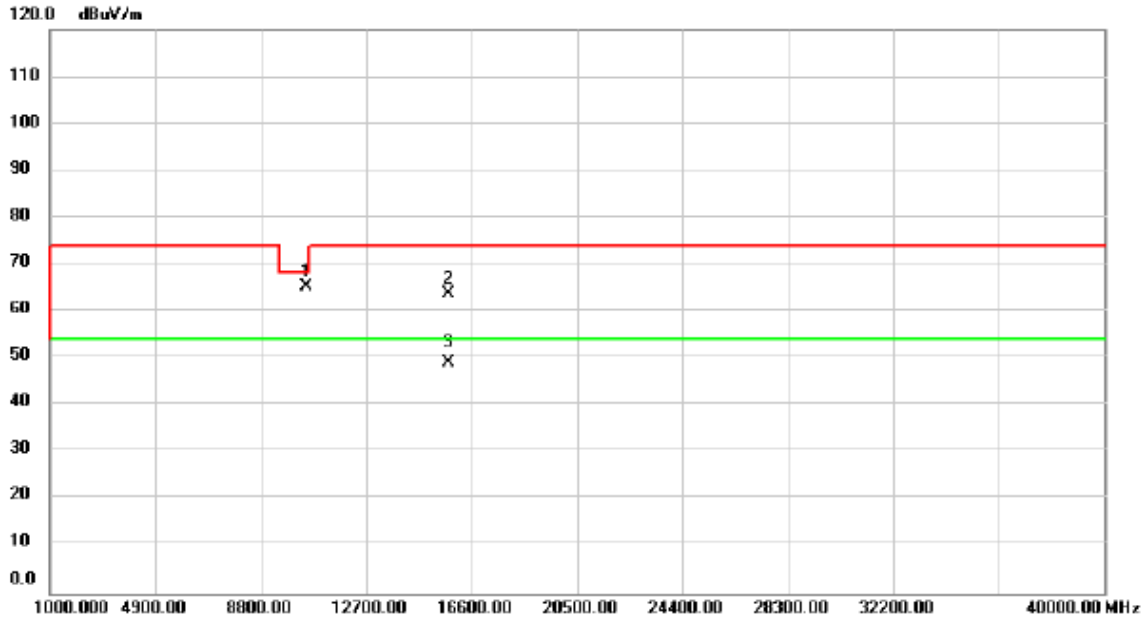
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	61.50	1.87	63.37	68.20	-4.83	peak	
2		15600.00	54.68	4.96	59.64	74.00	-14.36	peak	
3		15600.00	41.85	4.96	46.81	54.00	-7.19	AVG	

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

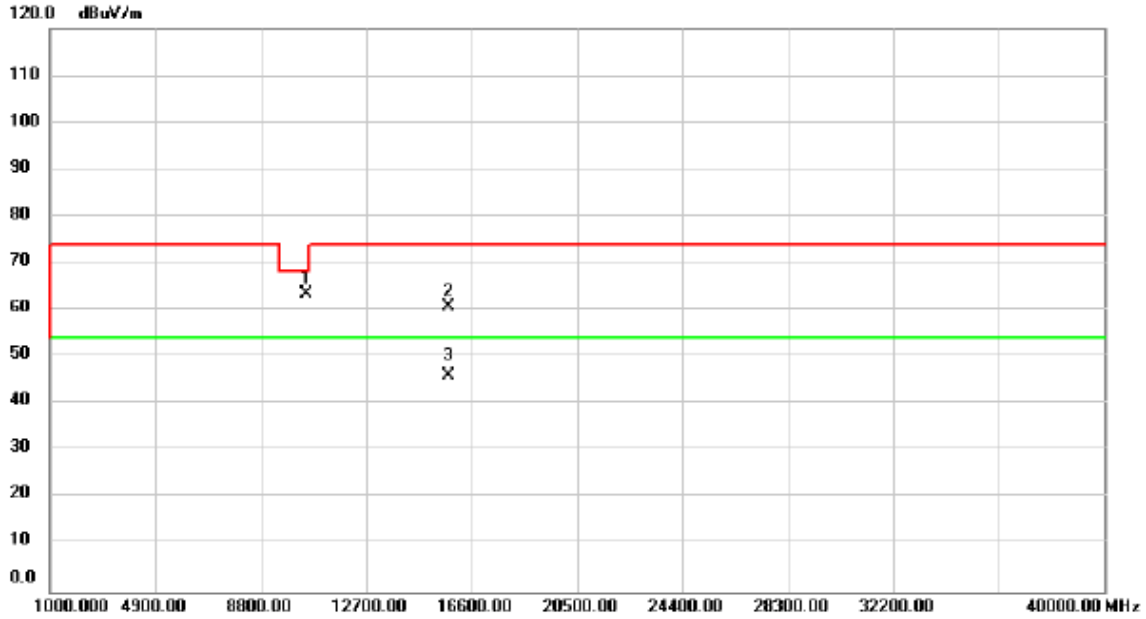
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.40	63.31	1.87	65.18	68.20	-3.02	peak	
2		15720.00	58.84	4.87	63.71	74.00	-10.29	peak	
3		15720.00	44.07	4.87	48.94	54.00	-5.06	AVG	

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

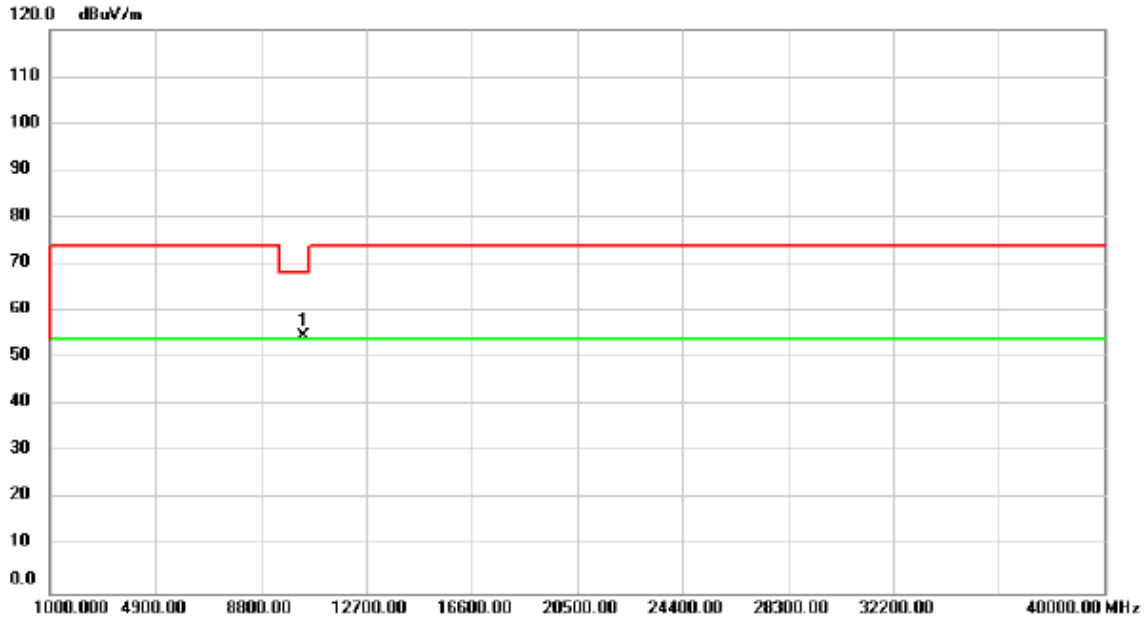
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	61.45	1.87	63.32	68.20	-4.88	peak	
2		15720.00	55.77	4.87	60.64	74.00	-13.36	peak	
3		15720.00	41.06	4.87	45.93	54.00	-8.07	AVG	

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

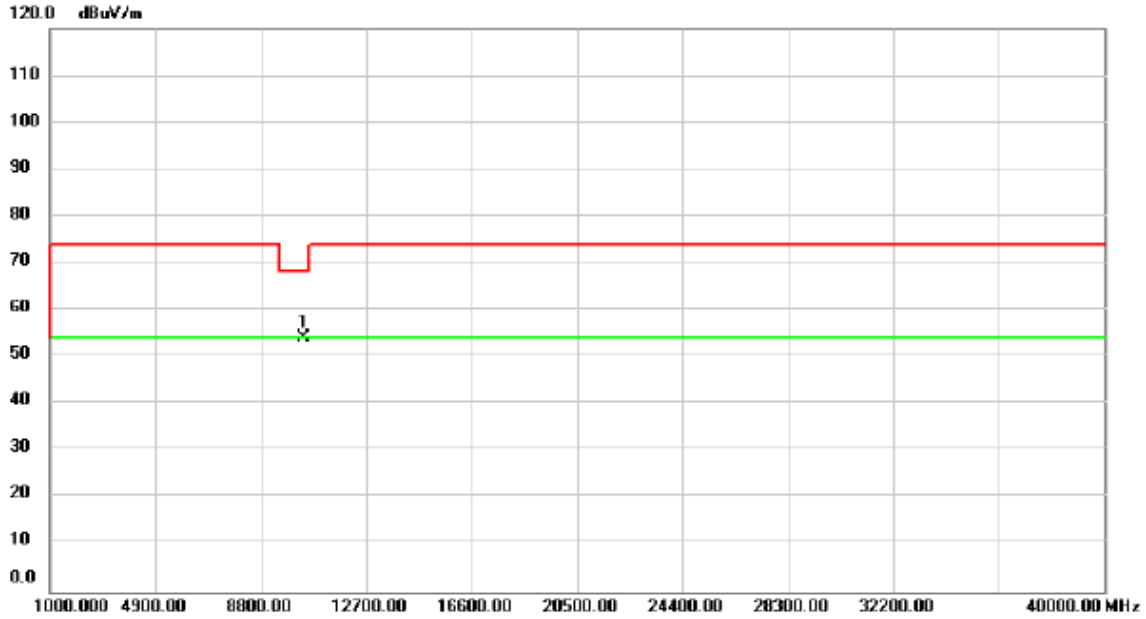
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00	52.95	1.87	54.82	68.20	-13.38	peak	

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

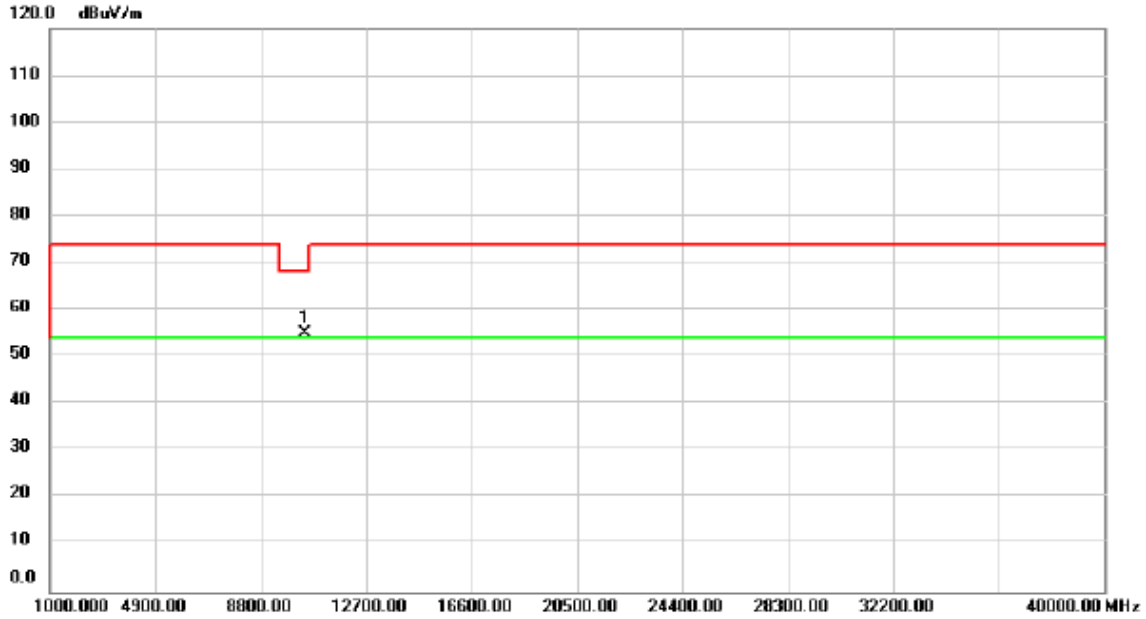
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00	52.43	1.87	54.30	68.20	-13.90	peak	

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

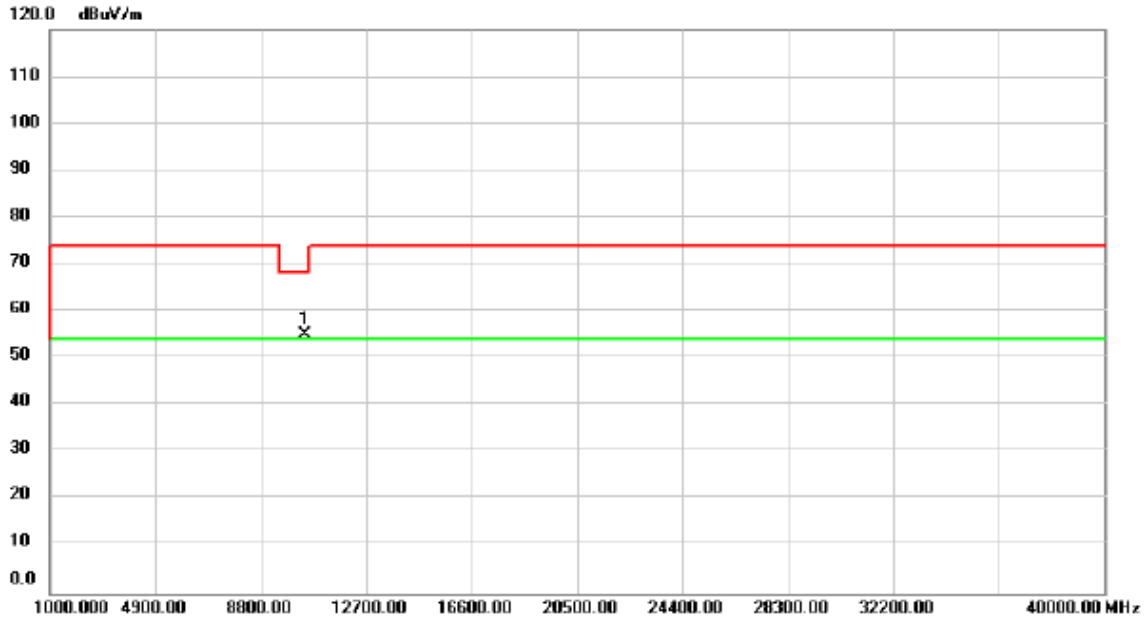
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10460.00	53.26	1.87	55.13	68.20	-13.07	peak	

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

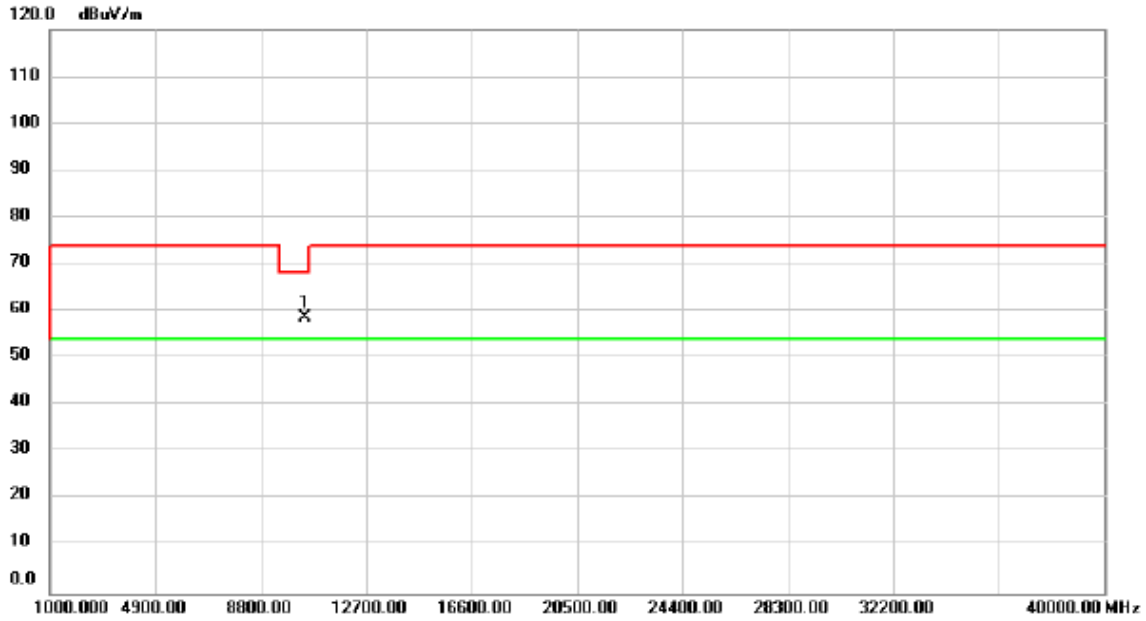
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10460.00	53.21	1.87	55.08	68.20	-13.12	peak	

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

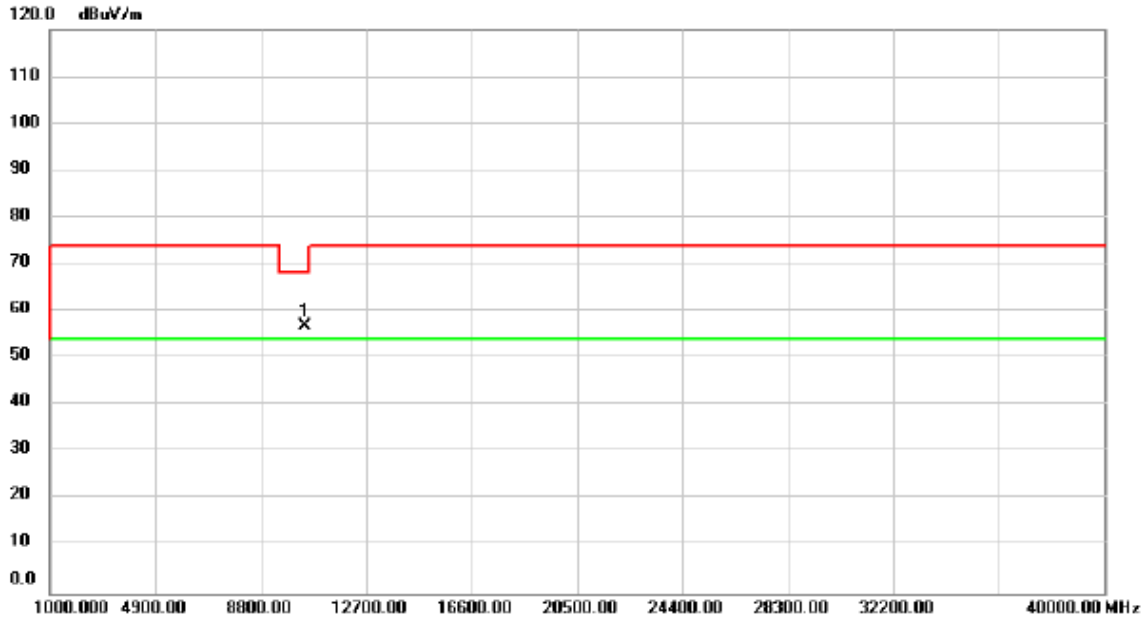
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10420.00	56.76	1.86	58.62	68.20	-9.58	peak	

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

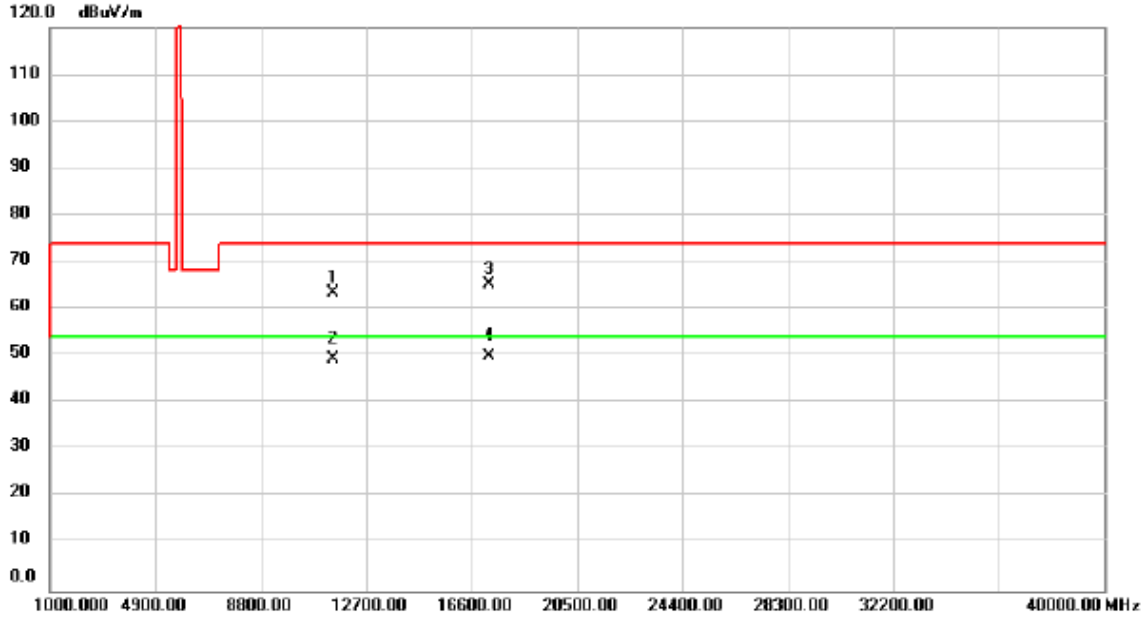
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10420.00	55.12	1.86	56.98	68.20	-11.22	peak	

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

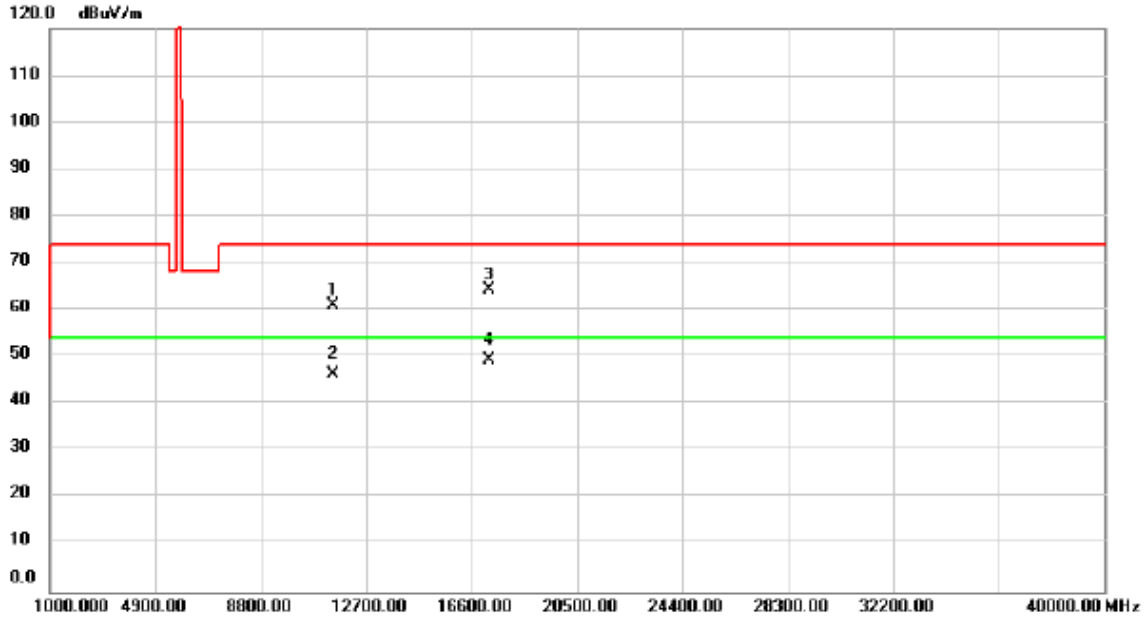
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	59.98	3.60	63.58	74.00	-10.42	peak	
2		11490.00	45.70	3.60	49.30	54.00	-4.70	AVG	
3		17235.00	57.05	8.11	65.16	74.00	-8.84	peak	
4	*	17235.00	41.77	8.11	49.88	54.00	-4.12	AVG	

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

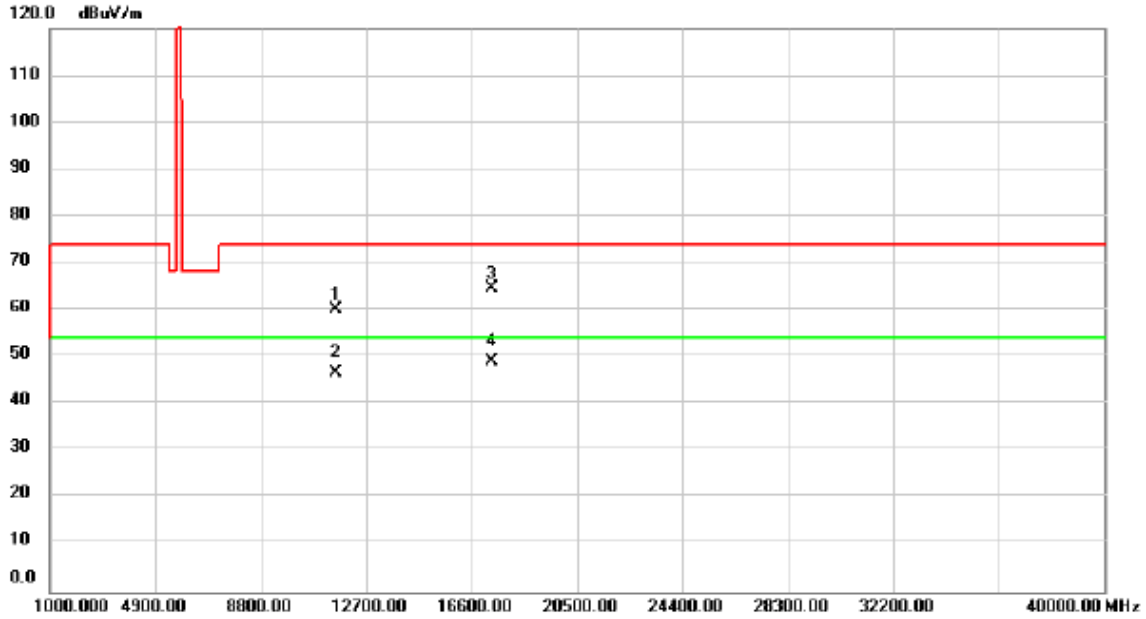
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	57.57	3.60	61.17	74.00	-12.83	peak	
2		11490.00	42.77	3.60	46.37	54.00	-7.63	AVG	
3		17235.00	56.26	8.11	64.37	74.00	-9.63	peak	
4	*	17235.00	41.19	8.11	49.30	54.00	-4.70	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5785MHz

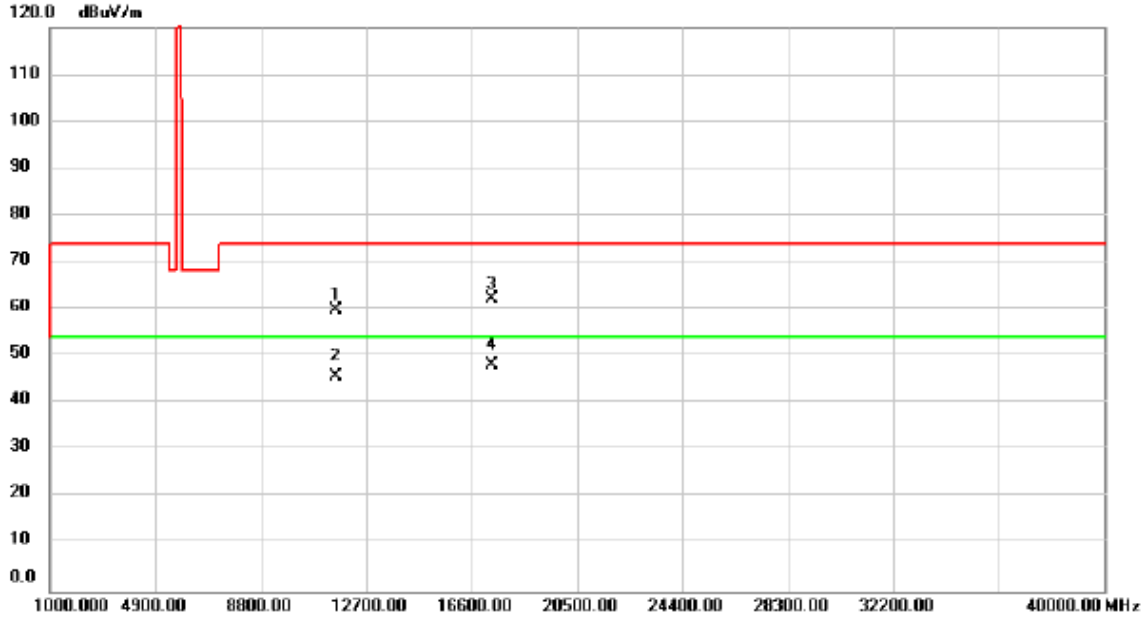
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	56.74	3.48	60.22	74.00	-13.78	peak	
2		11570.00	43.14	3.48	46.62	54.00	-7.38	AVG	
3		17355.00	56.09	8.53	64.62	74.00	-9.38	peak	
4	*	17355.00	40.42	8.53	48.95	54.00	-5.05	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5785MHz

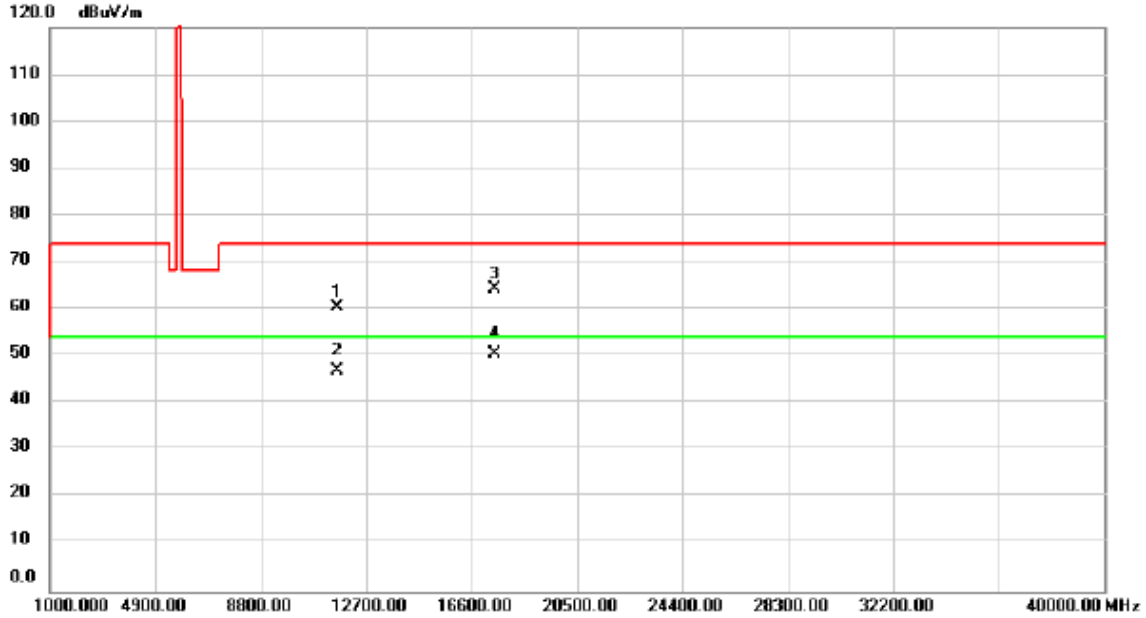
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	56.24	3.48	59.72	74.00	-14.28	peak	
2		11570.00	42.24	3.48	45.72	54.00	-8.28	AVG	
3		17355.00	53.66	8.53	62.19	74.00	-11.81	peak	
4	*	17355.00	39.69	8.53	48.22	54.00	-5.78	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5825MHz

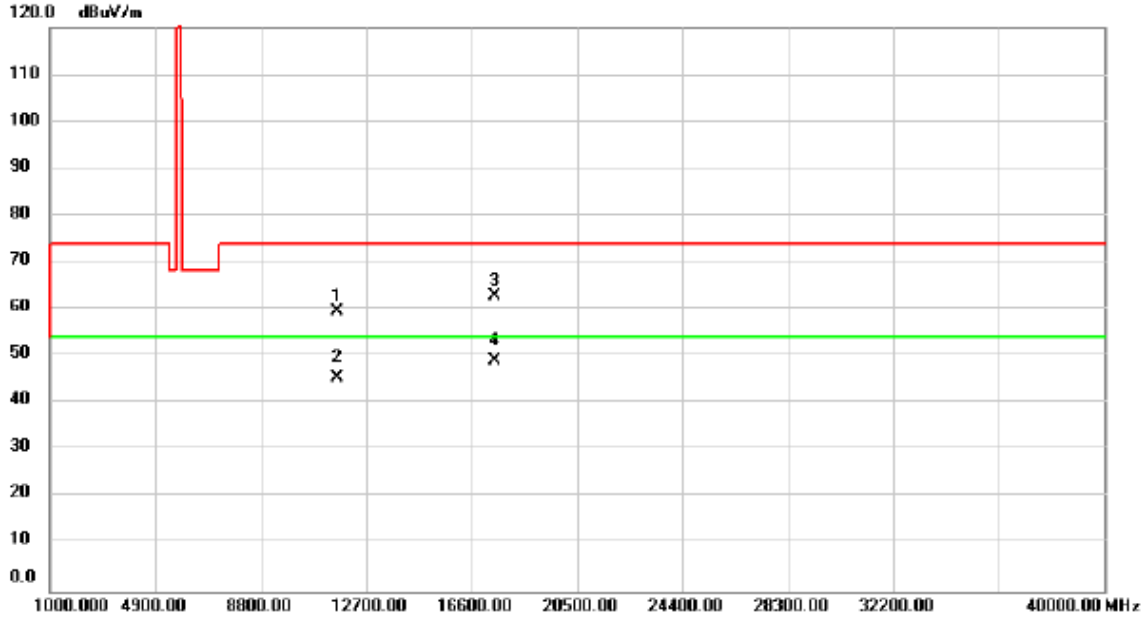
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	57.01	3.33	60.34	74.00	-13.66	peak	
2		11650.00	43.75	3.33	47.08	54.00	-6.92	AVG	
3		17475.00	55.53	8.97	64.50	74.00	-9.50	peak	
4	*	17475.00	41.46	8.97	50.43	54.00	-3.57	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5825MHz

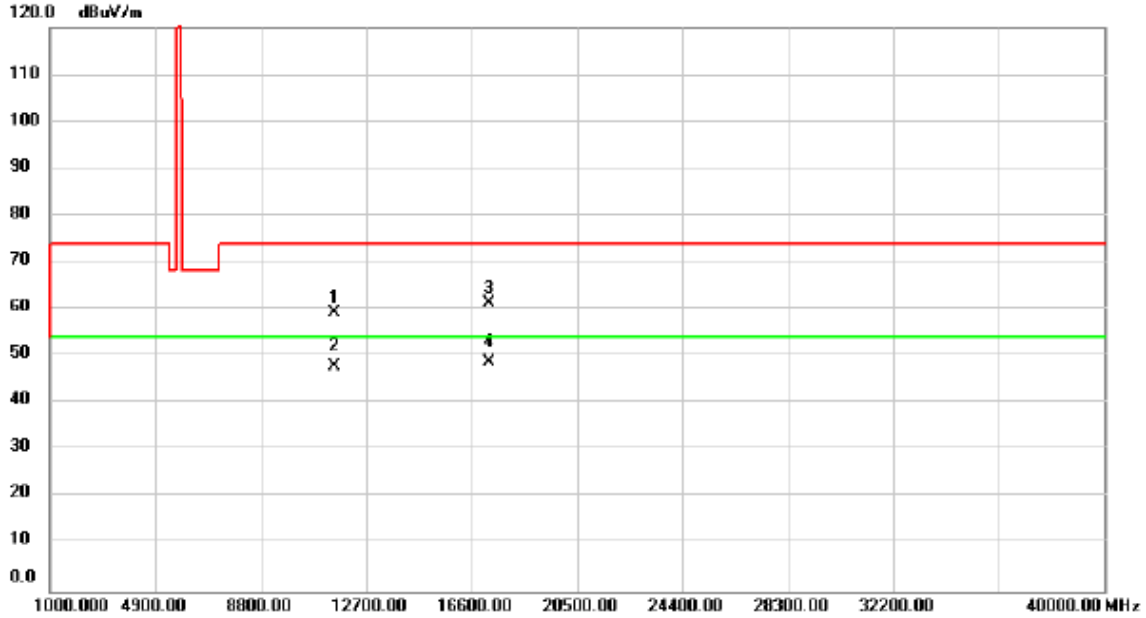
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	56.24	3.33	59.57	74.00	-14.43	peak	
2		11650.00	42.23	3.33	45.56	54.00	-8.44	AVG	
3		17475.00	53.78	8.97	62.75	74.00	-11.25	peak	
4	*	17475.00	40.22	8.97	49.19	54.00	-4.81	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5755MHz

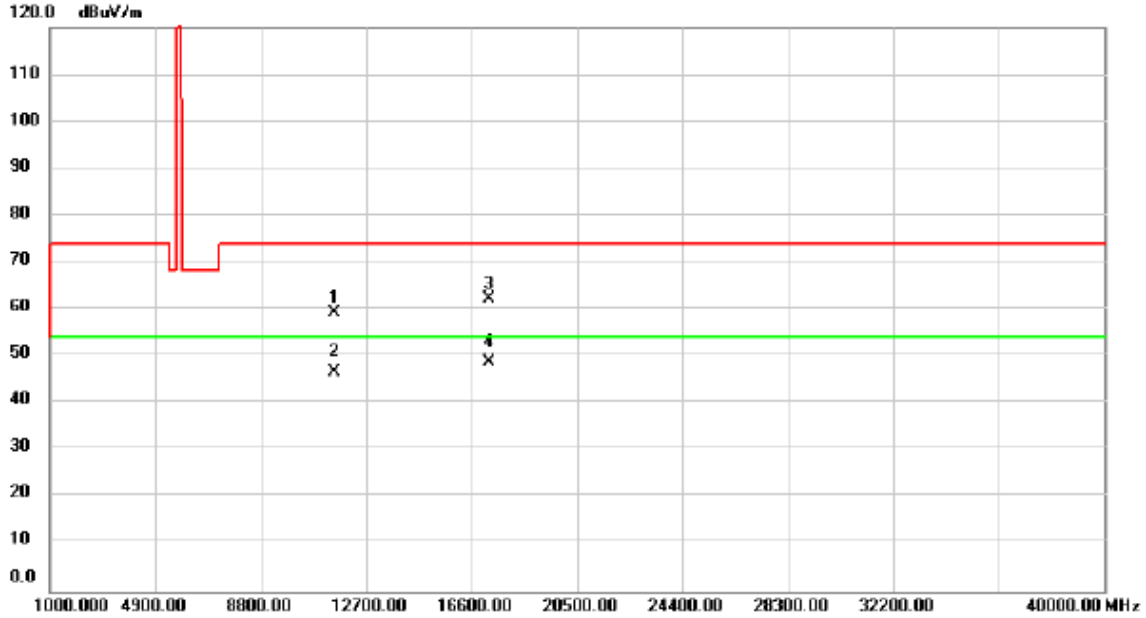
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.00	55.58	3.60	59.18	74.00	-14.82	peak	
2		11510.00	44.11	3.60	47.71	54.00	-6.29	AVG	
3		17265.00	53.14	8.22	61.36	74.00	-12.64	peak	
4	*	17265.00	40.58	8.22	48.80	54.00	-5.20	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5755MHz

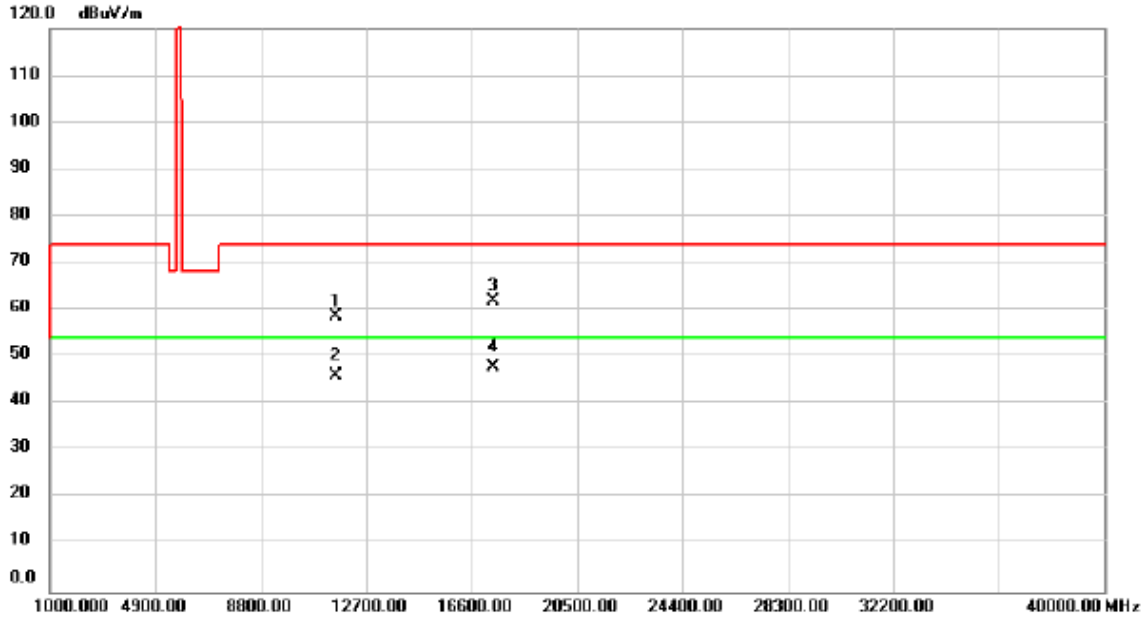
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.00	55.71	3.60	59.31	74.00	-14.69	peak	
2		11510.00	43.14	3.60	46.74	54.00	-7.26	AVG	
3		17265.00	54.06	8.22	62.28	74.00	-11.72	peak	
4	*	17265.00	40.64	8.22	48.86	54.00	-5.14	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5795MHz

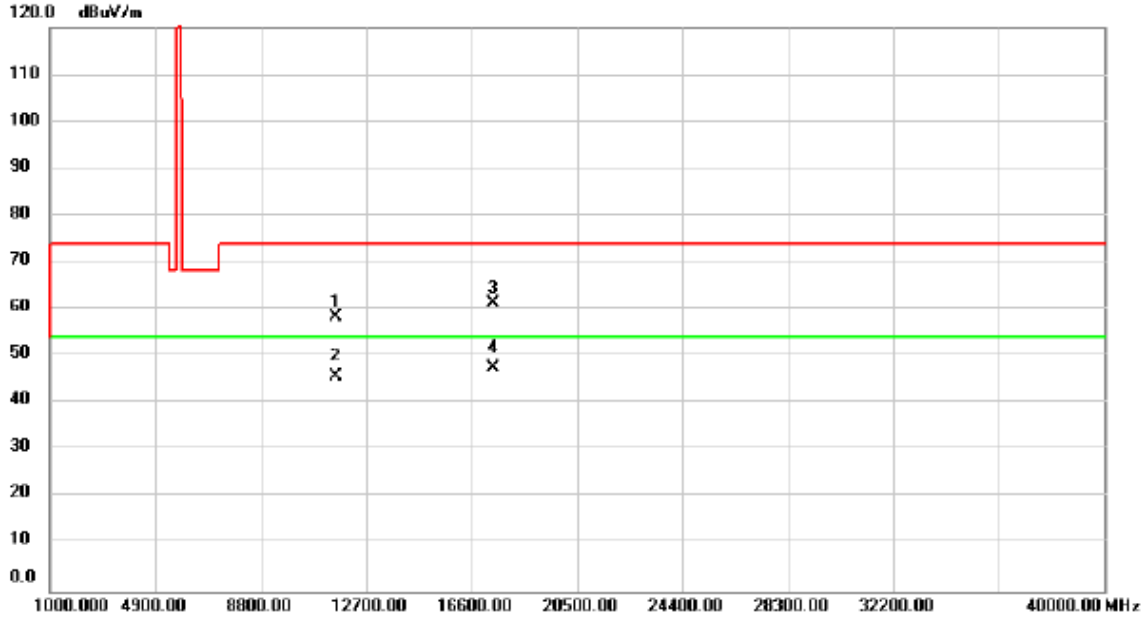
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11590.00	55.13	3.45	58.58	74.00	-15.42	peak	
2		11590.00	42.72	3.45	46.17	54.00	-7.83	AVG	
3		17385.00	53.25	8.65	61.90	74.00	-12.10	peak	
4	*	17385.00	39.24	8.65	47.89	54.00	-6.11	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5795MHz

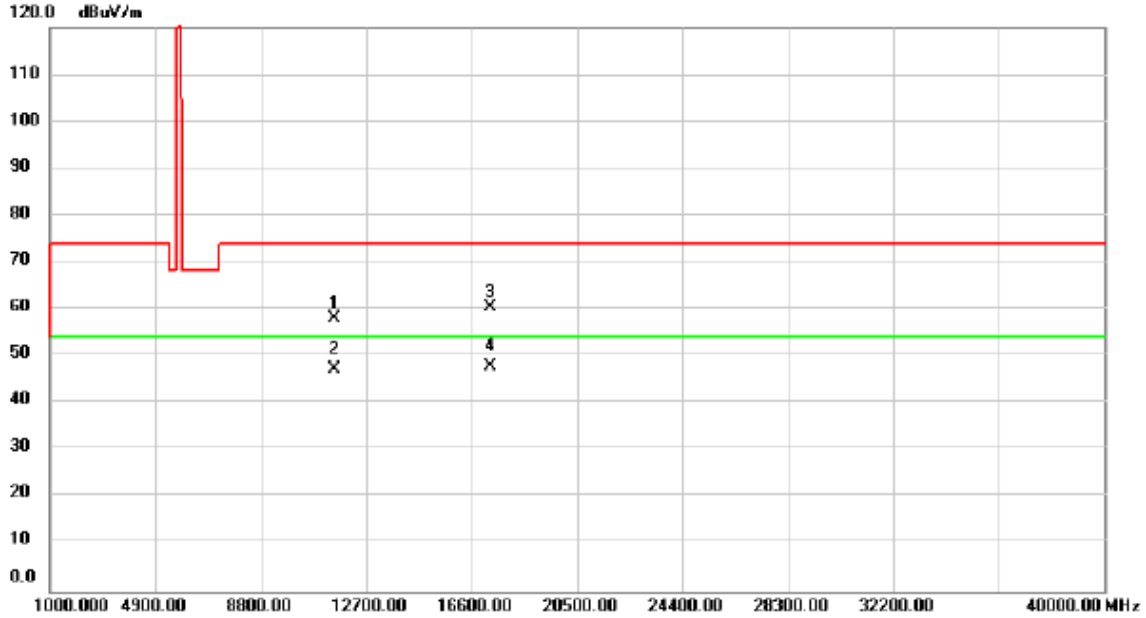
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11590.00	54.91	3.45	58.36	74.00	-15.64	peak	
2		11590.00	42.35	3.45	45.80	54.00	-8.20	AVG	
3		17385.00	52.80	8.65	61.45	74.00	-12.55	peak	
4	*	17385.00	39.04	8.65	47.69	54.00	-6.31	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC80 Mode 5775MHz

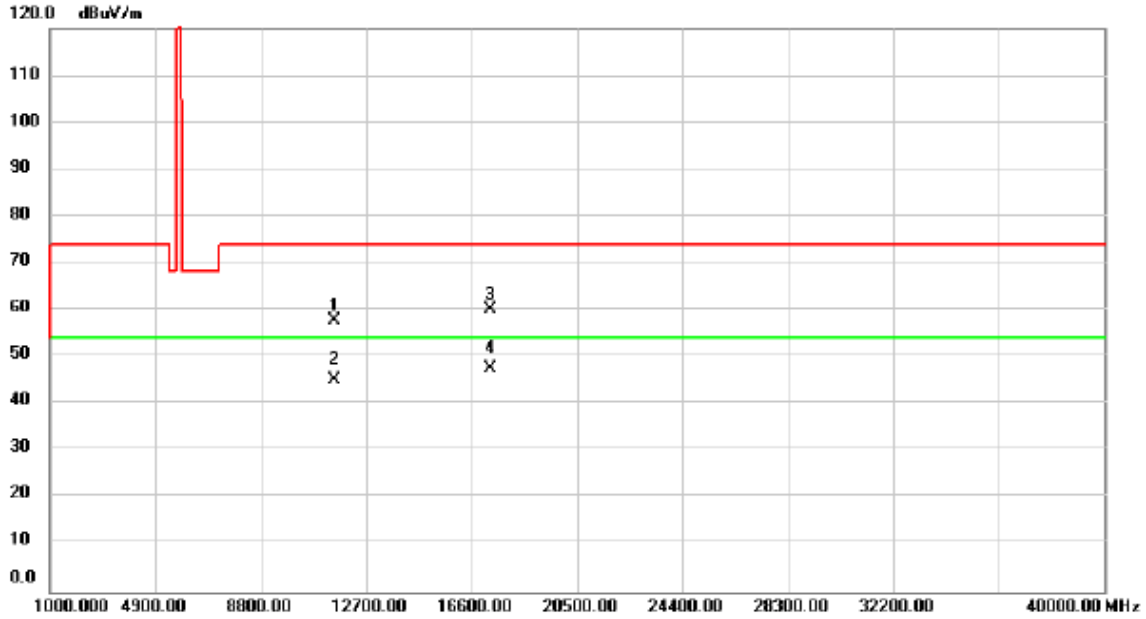
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11550.00	54.54	3.52	58.06	74.00	-15.94	peak	
2		11550.00	43.84	3.52	47.36	54.00	-6.64	AVG	
3		17325.00	51.87	8.44	60.31	74.00	-13.69	peak	
4	*	17325.00	39.46	8.44	47.90	54.00	-6.10	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC80 Mode 5775MHz

Horizontal

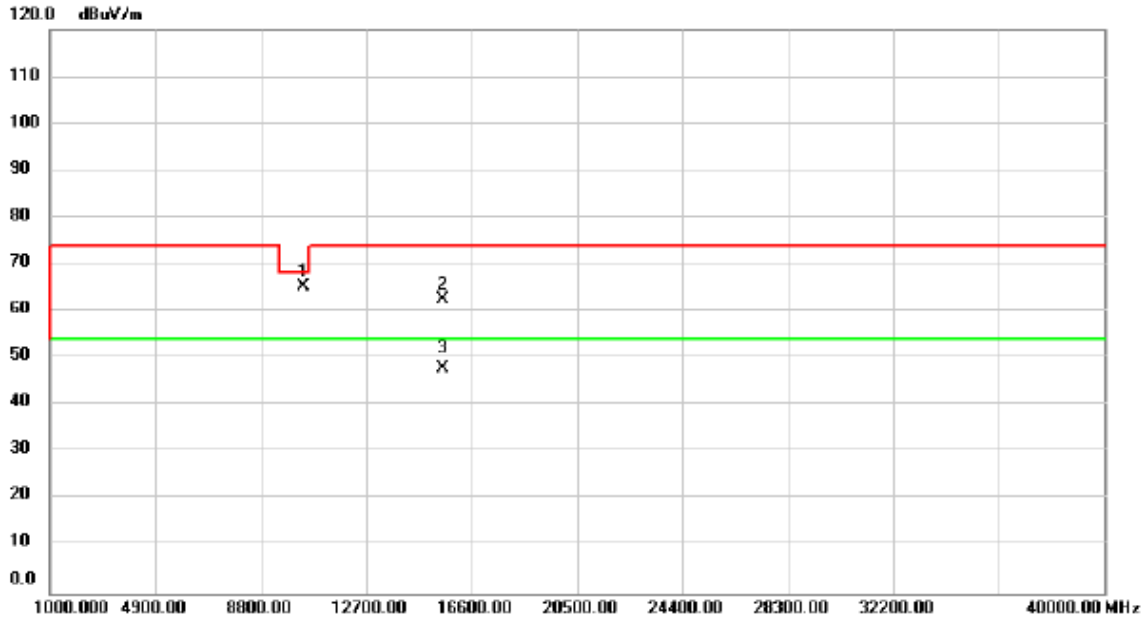


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11550.00	54.28	3.52	57.80	74.00	-16.20	peak	
2		11550.00	41.71	3.52	45.23	54.00	-8.77	AVG	
3		17325.00	51.82	8.44	60.26	74.00	-13.74	peak	
4	*	17325.00	39.01	8.44	47.45	54.00	-6.55	AVG	

Beamforming

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

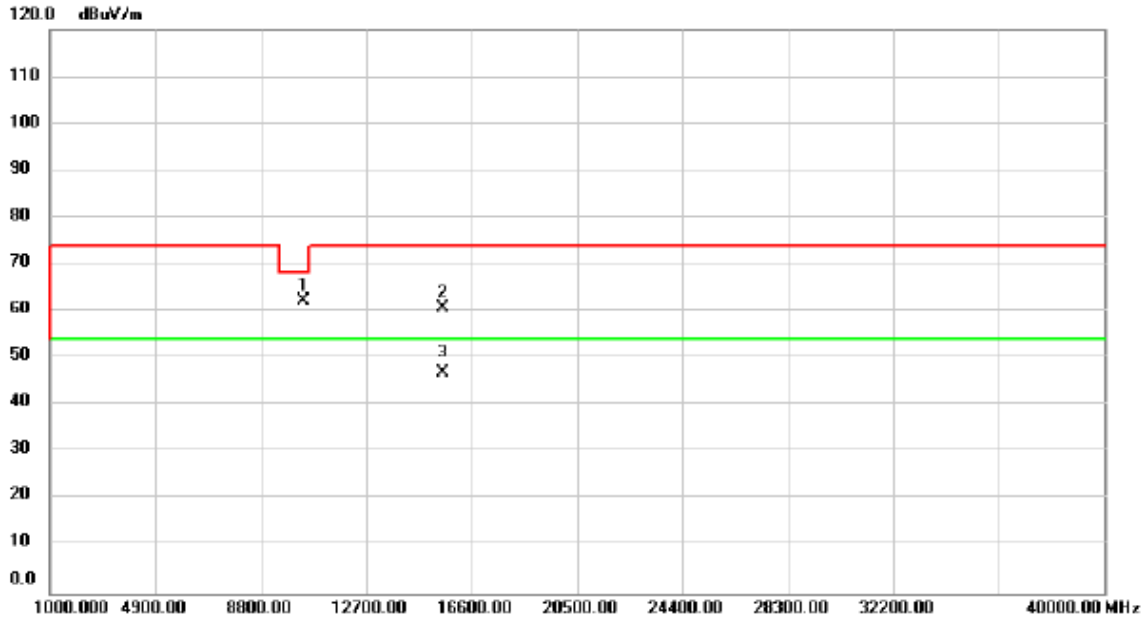
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	63.30	1.85	65.15	68.20	-3.05	peak	
2		15540.00	57.48	5.00	62.48	74.00	-11.52	peak	
3		15540.00	42.81	5.00	47.81	54.00	-6.19	AVG	

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

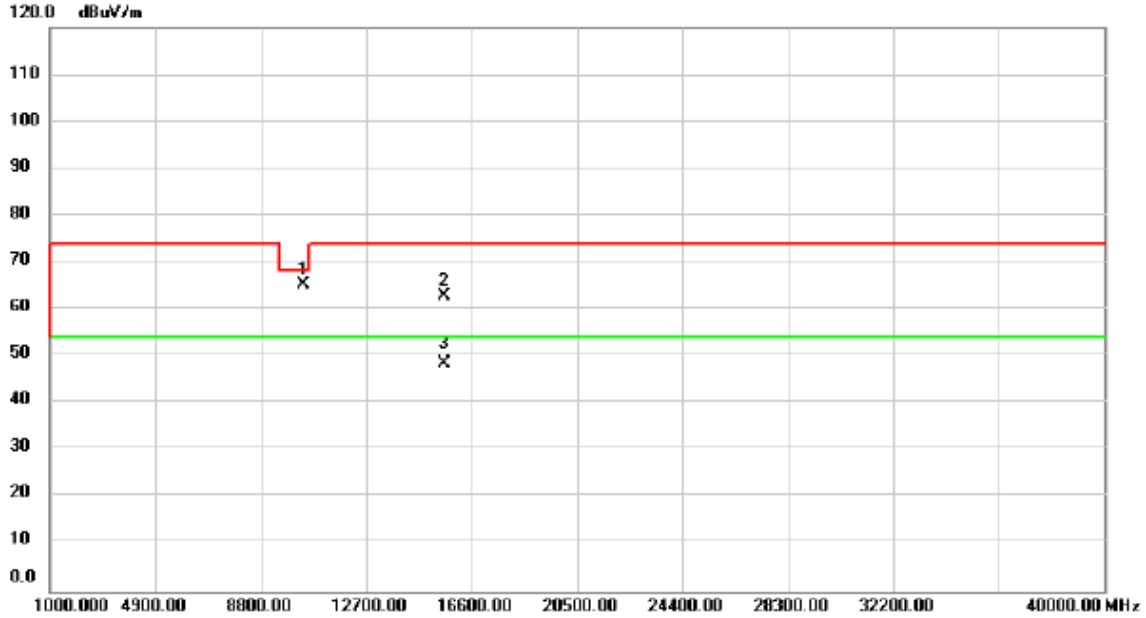
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	60.54	1.85	62.39	68.20	-5.81	peak	
2		15540.00	55.78	5.00	60.78	74.00	-13.22	peak	
3		15540.00	41.88	5.00	46.88	54.00	-7.12	AVG	

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

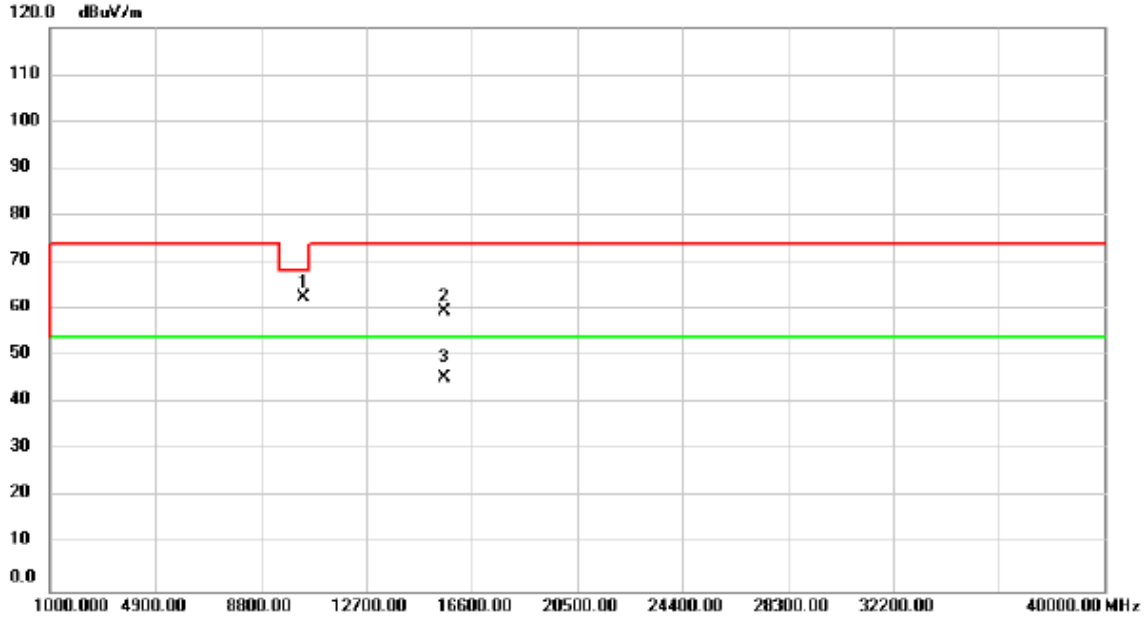
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	63.29	1.87	65.16	68.20	-3.04	peak	
2		15600.00	57.81	4.96	62.77	74.00	-11.23	peak	
3		15600.00	43.49	4.96	48.45	54.00	-5.55	AVG	

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

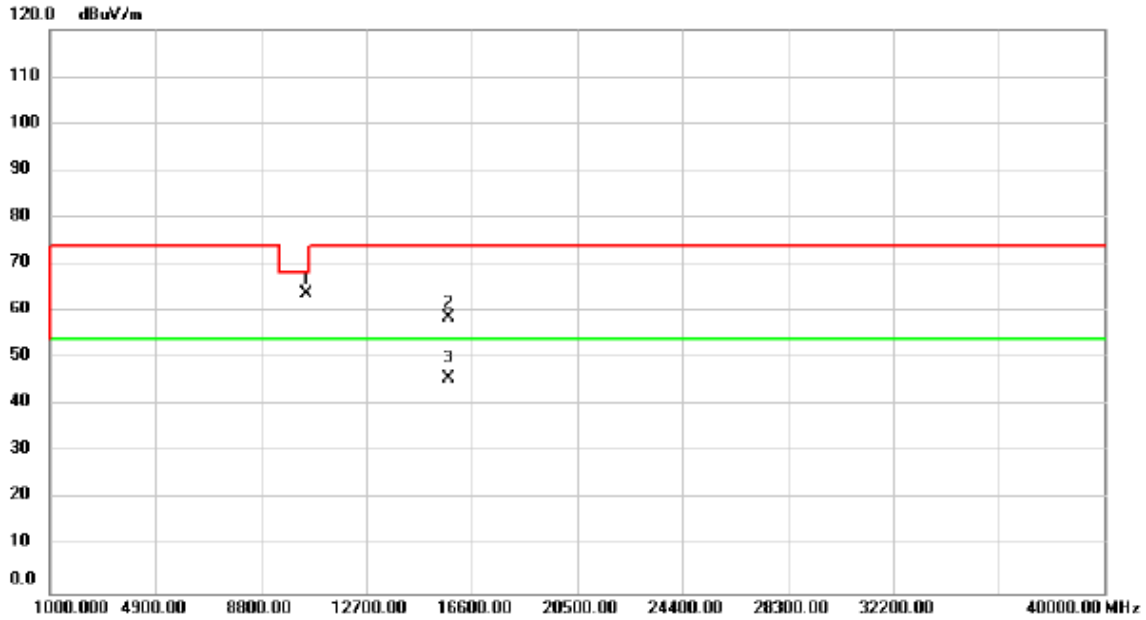
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	60.79	1.87	62.66	68.20	-5.54	peak	
2		15600.00	54.55	4.96	59.51	74.00	-14.49	peak	
3		15600.00	40.54	4.96	45.50	54.00	-8.50	AVG	

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

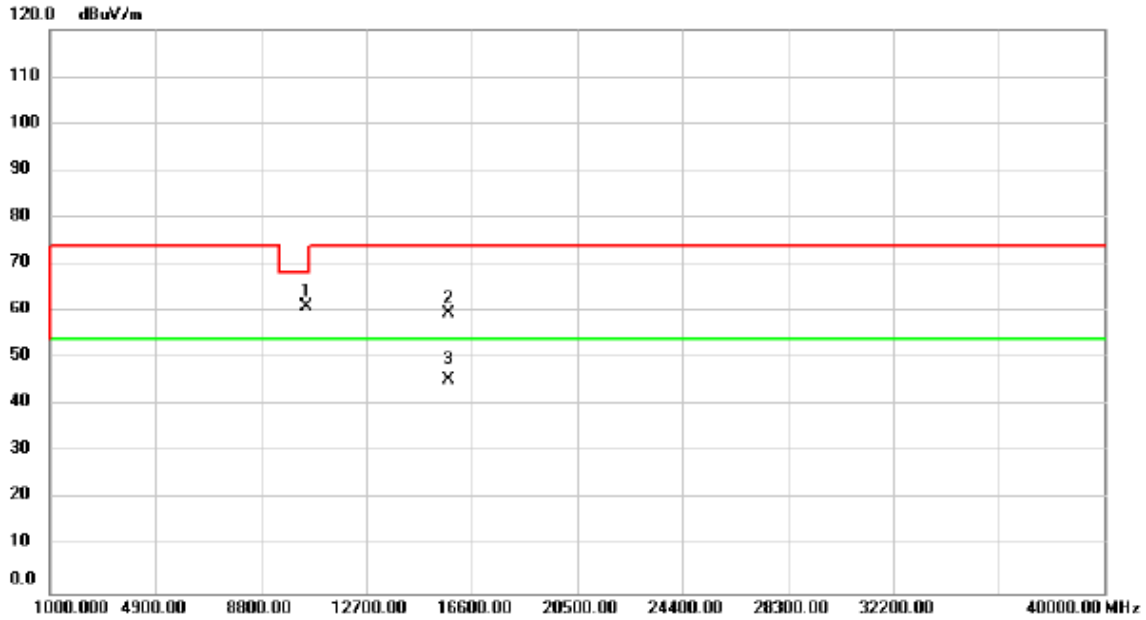
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	61.79	1.87	63.66	68.20	-4.54	peak	
2		15720.00	53.71	4.87	58.58	74.00	-15.42	peak	
3		15720.00	40.79	4.87	45.66	54.00	-8.34	AVG	

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

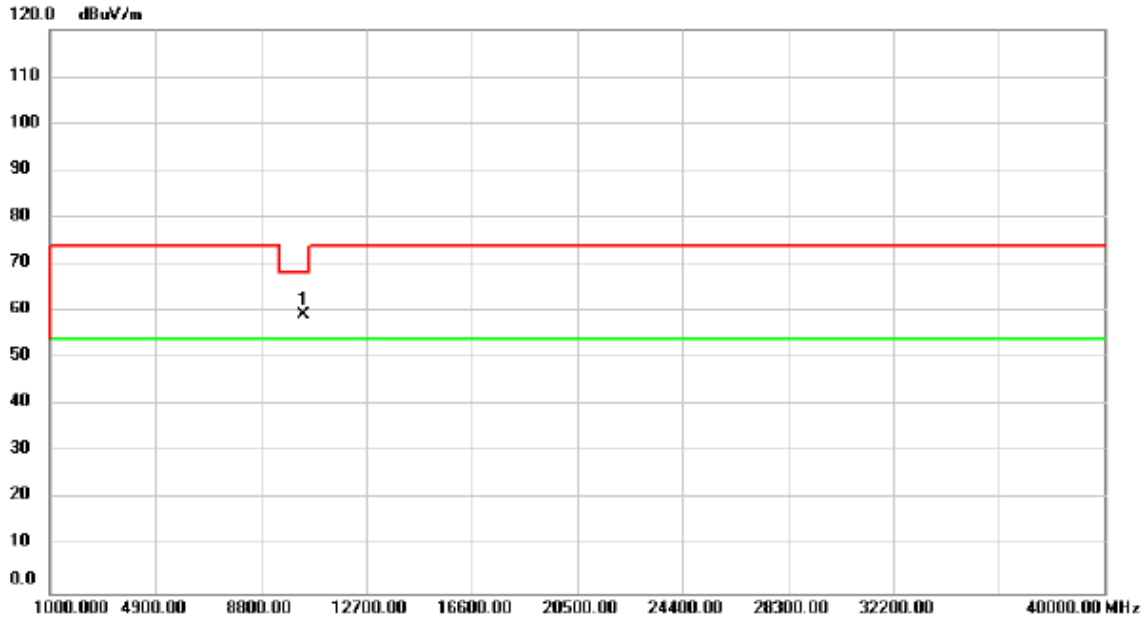
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	59.06	1.87	60.93	68.20	-7.27	peak	
2		15720.00	54.60	4.87	59.47	74.00	-14.53	peak	
3		15720.00	40.61	4.87	45.48	54.00	-8.52	AVG	

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

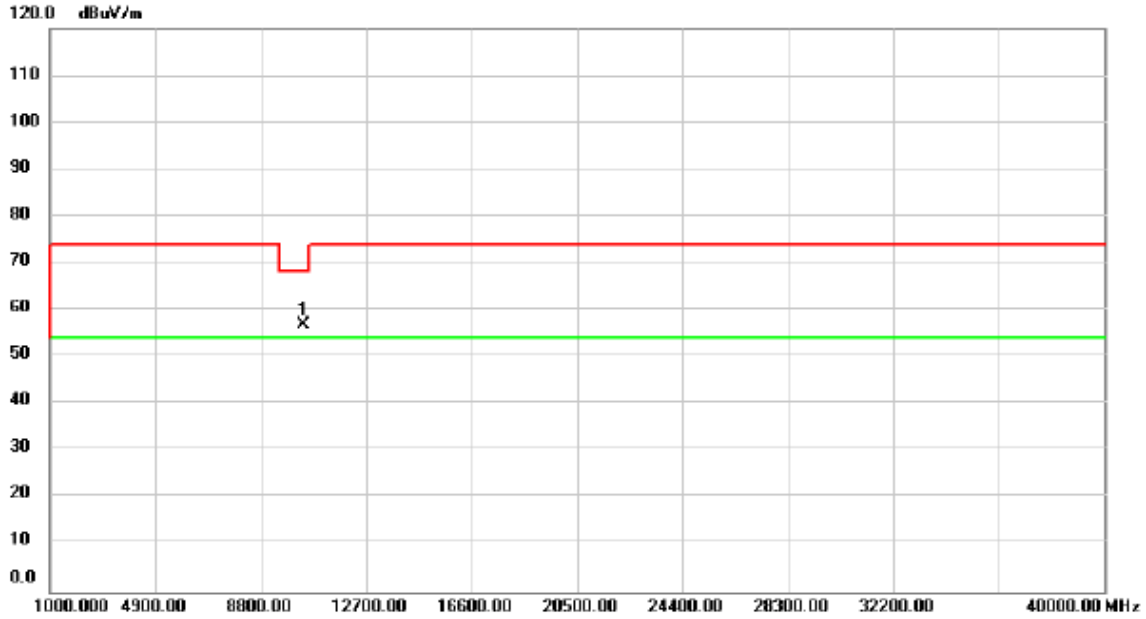
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00	57.33	1.87	59.20	68.20	-9.00	peak	

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

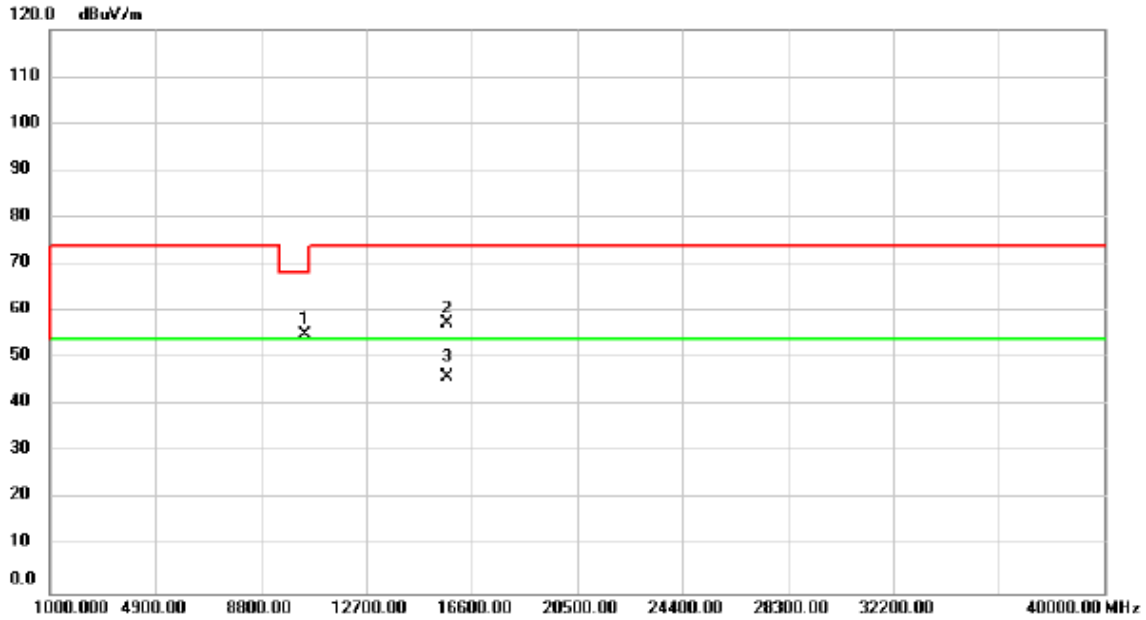
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00	55.08	1.87	56.95	68.20	-11.25	peak	

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

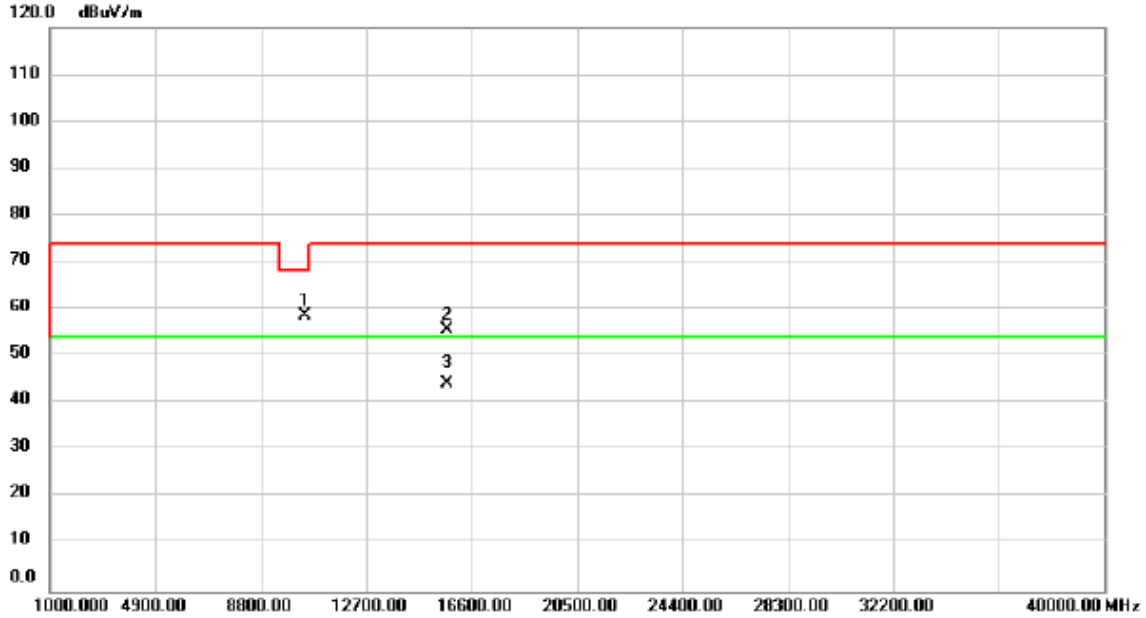
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10460.00	53.17	1.87	55.04	68.20	-13.16	peak	
2		15690.00	52.66	4.89	57.55	74.00	-16.45	peak	
3	*	15690.00	41.20	4.89	46.09	54.00	-7.91	AVG	

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

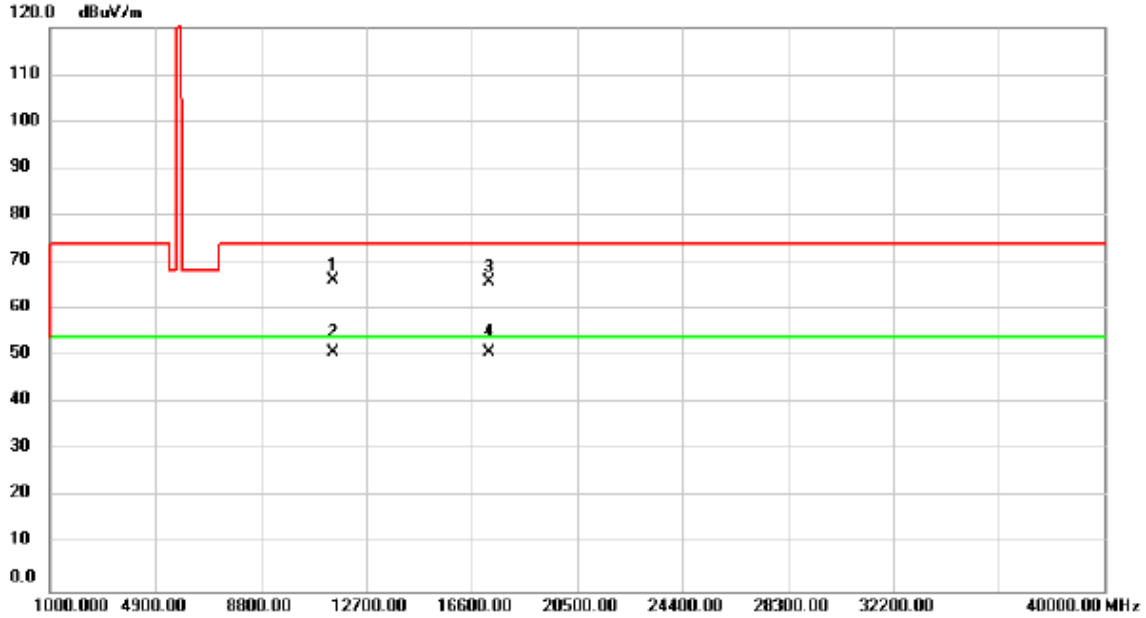
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10460.00	56.81	1.87	58.68	68.20	-9.52	peak	
2		15690.00	50.80	4.89	55.69	74.00	-18.31	peak	
3		15690.00	39.49	4.89	44.38	54.00	-9.62	AVG	

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

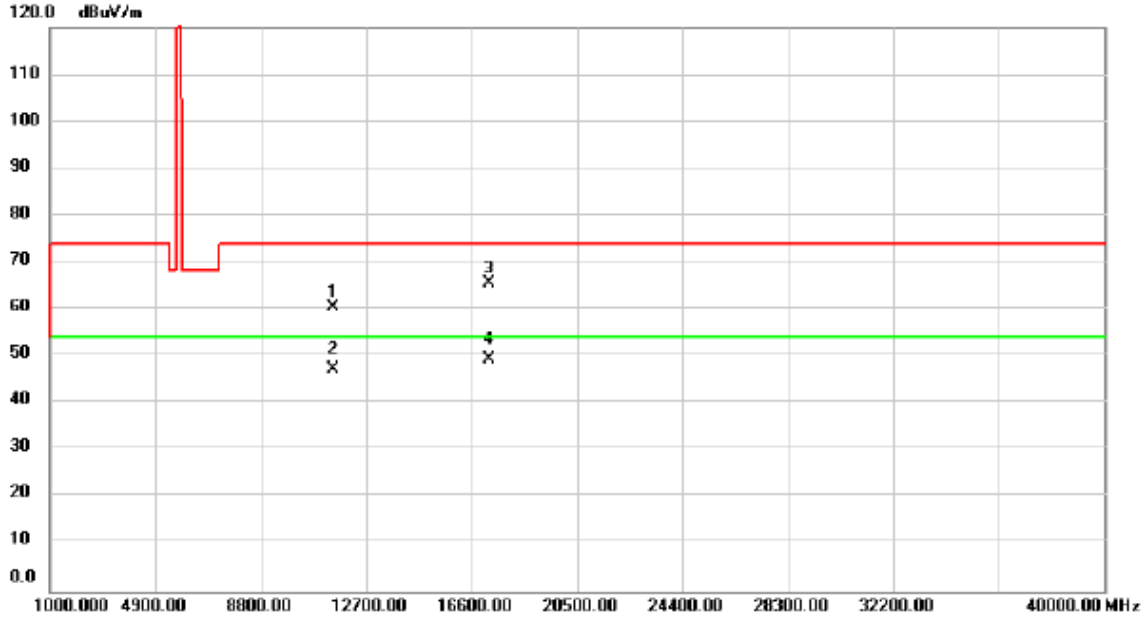
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	62.43	3.60	66.03	74.00	-7.97	peak	
2	*	11490.00	47.40	3.60	51.00	54.00	-3.00	AVG	
3		17235.00	57.66	8.11	65.77	74.00	-8.23	peak	
4		17235.00	42.63	8.11	50.74	54.00	-3.26	AVG	

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

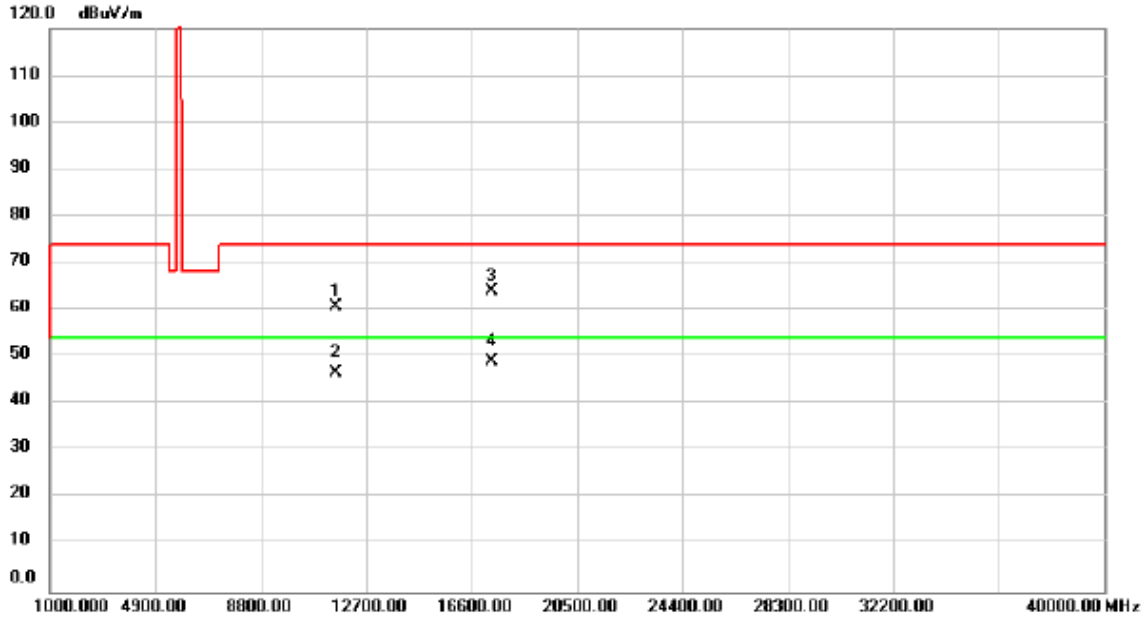
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	56.86	3.60	60.46	74.00	-13.54	peak	
2		11490.00	43.63	3.60	47.23	54.00	-6.77	AVG	
3		17235.00	57.36	8.11	65.47	74.00	-8.53	peak	
4	*	17235.00	41.35	8.11	49.46	54.00	-4.54	AVG	

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

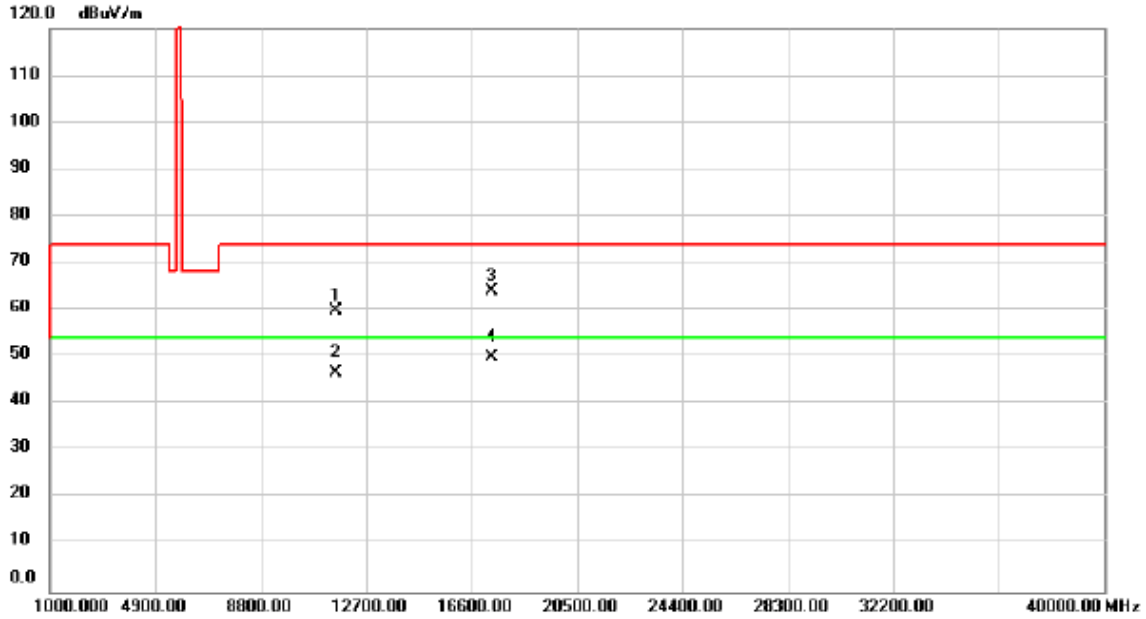
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	57.32	3.48	60.80	74.00	-13.20	peak	
2		11570.00	43.26	3.48	46.74	54.00	-7.26	AVG	
3		17355.00	55.63	8.53	64.16	74.00	-9.84	peak	
4	*	17355.00	40.56	8.53	49.09	54.00	-4.91	AVG	

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

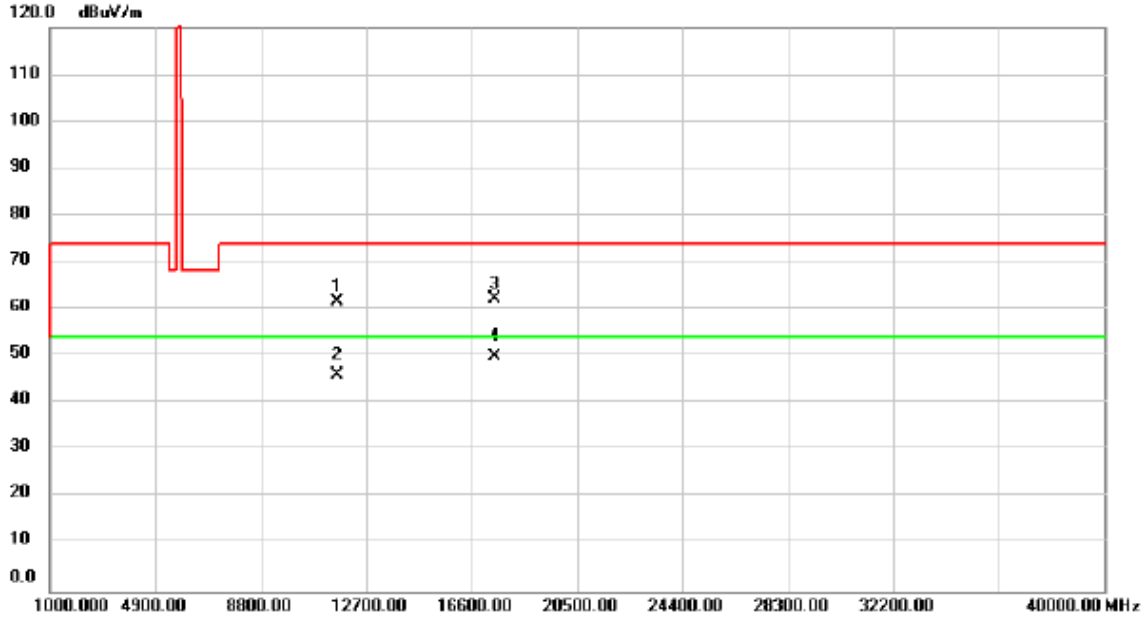
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	56.37	3.48	59.85	74.00	-14.15	peak	
2		11570.00	43.12	3.48	46.60	54.00	-7.40	AVG	
3		17355.00	55.47	8.53	64.00	74.00	-10.00	peak	
4	*	17355.00	41.35	8.53	49.88	54.00	-4.12	AVG	

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

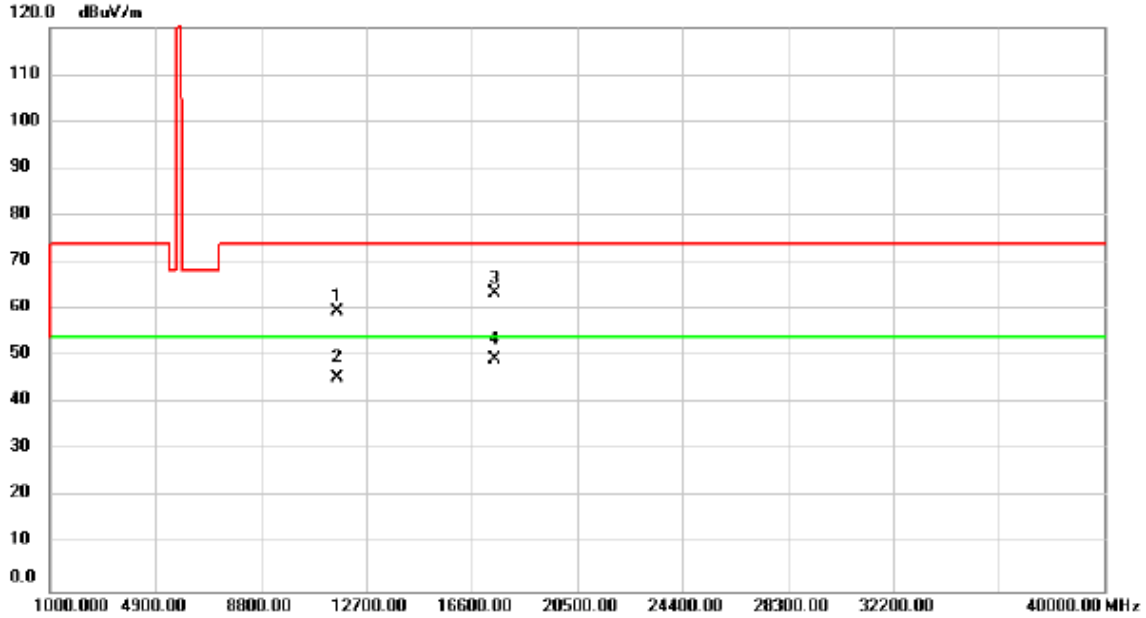
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	58.31	3.33	61.64	74.00	-12.36	peak	
2		11650.00	42.68	3.33	46.01	54.00	-7.99	AVG	
3		17475.00	53.41	8.97	62.38	74.00	-11.62	peak	
4	*	17475.00	41.02	8.97	49.99	54.00	-4.01	AVG	

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

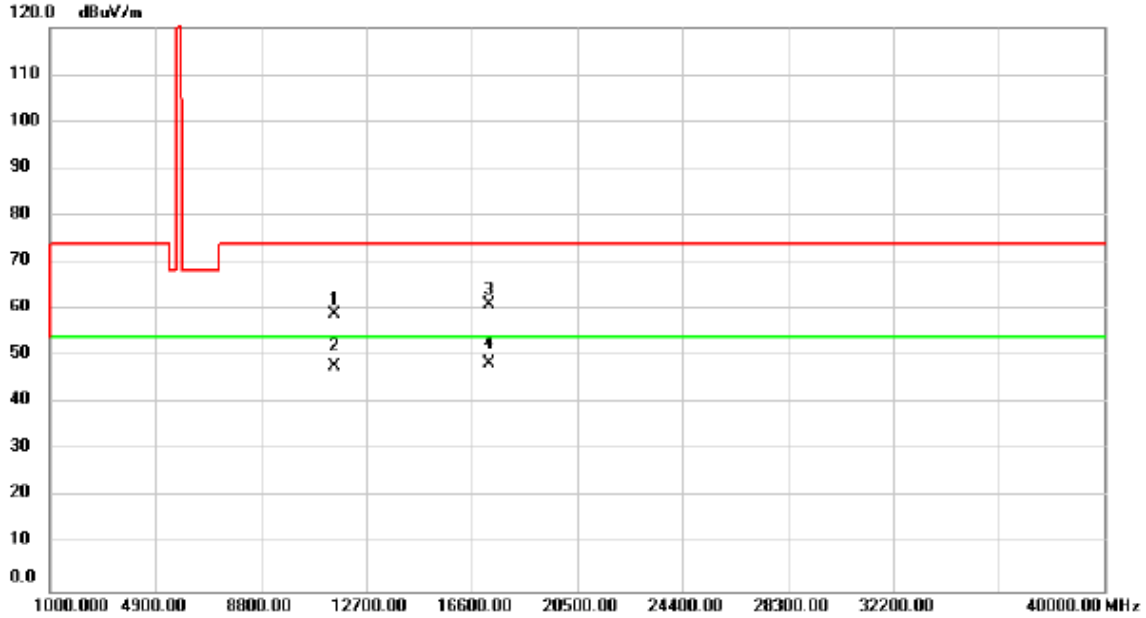
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	56.36	3.33	59.69	74.00	-14.31	peak	
2		11650.00	42.13	3.33	45.46	54.00	-8.54	AVG	
3		17475.00	54.36	8.97	63.33	74.00	-10.67	peak	
4	*	17475.00	40.36	8.97	49.33	54.00	-4.67	AVG	

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

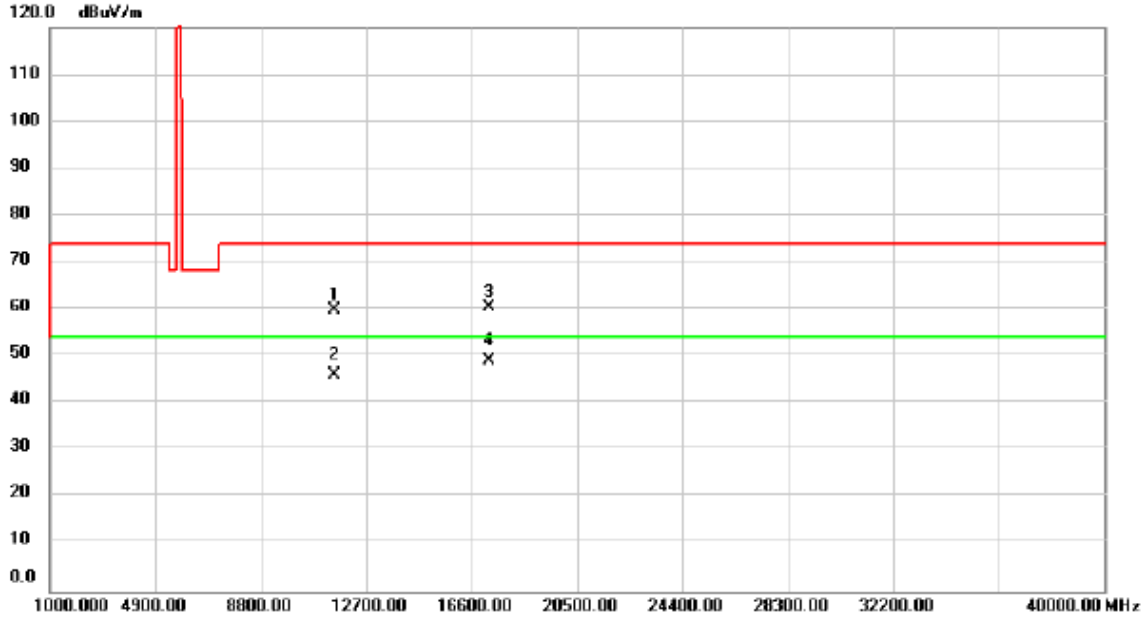
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.00	55.36	3.60	58.96	74.00	-15.04	peak	
2		11510.00	44.13	3.60	47.73	54.00	-6.27	AVG	
3		17265.00	52.78	8.22	61.00	74.00	-13.00	peak	
4	*	17265.00	40.32	8.22	48.54	54.00	-5.46	AVG	

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

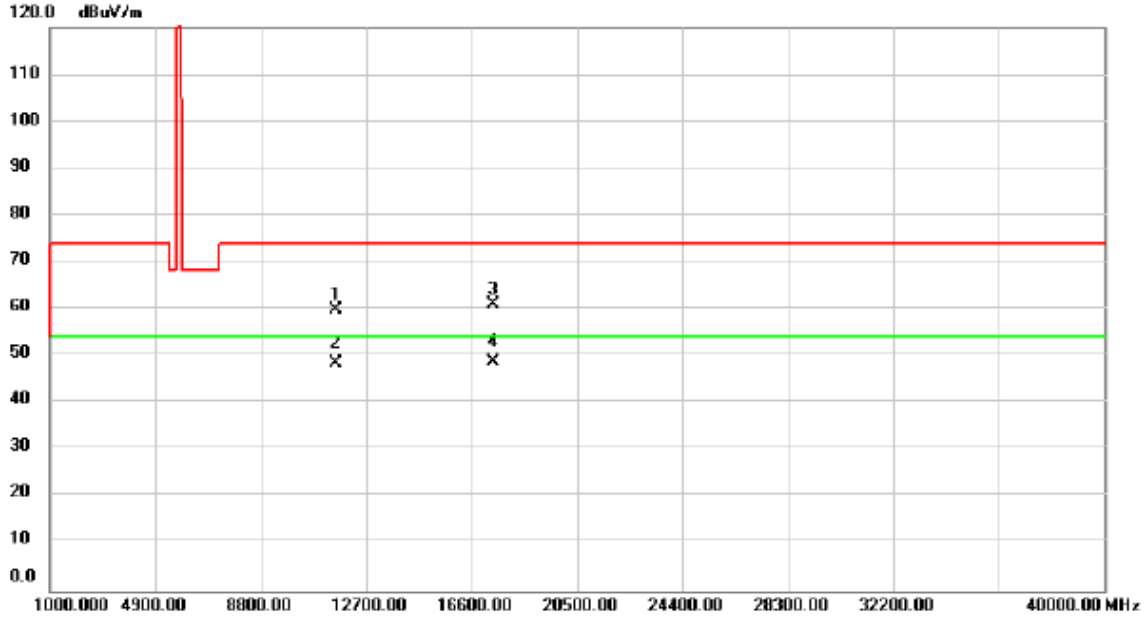
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.00	56.13	3.60	59.73	74.00	-14.27	peak	
2		11510.00	42.31	3.60	45.91	54.00	-8.09	AVG	
3		17265.00	52.37	8.22	60.59	74.00	-13.41	peak	
4	*	17265.00	40.76	8.22	48.98	54.00	-5.02	AVG	

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

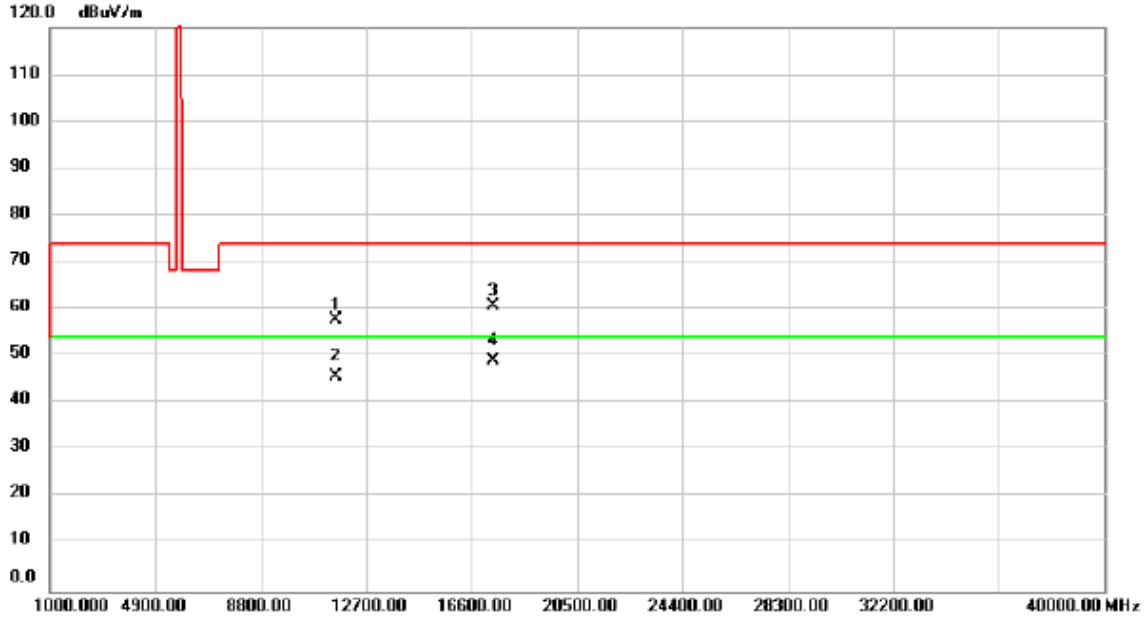
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11590.00	56.34	3.45	59.79	74.00	-14.21	peak	
2		11590.00	45.13	3.45	48.58	54.00	-5.42	AVG	
3		17385.00	52.34	8.65	60.99	74.00	-13.01	peak	
4	*	17385.00	40.13	8.65	48.78	54.00	-5.22	AVG	

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

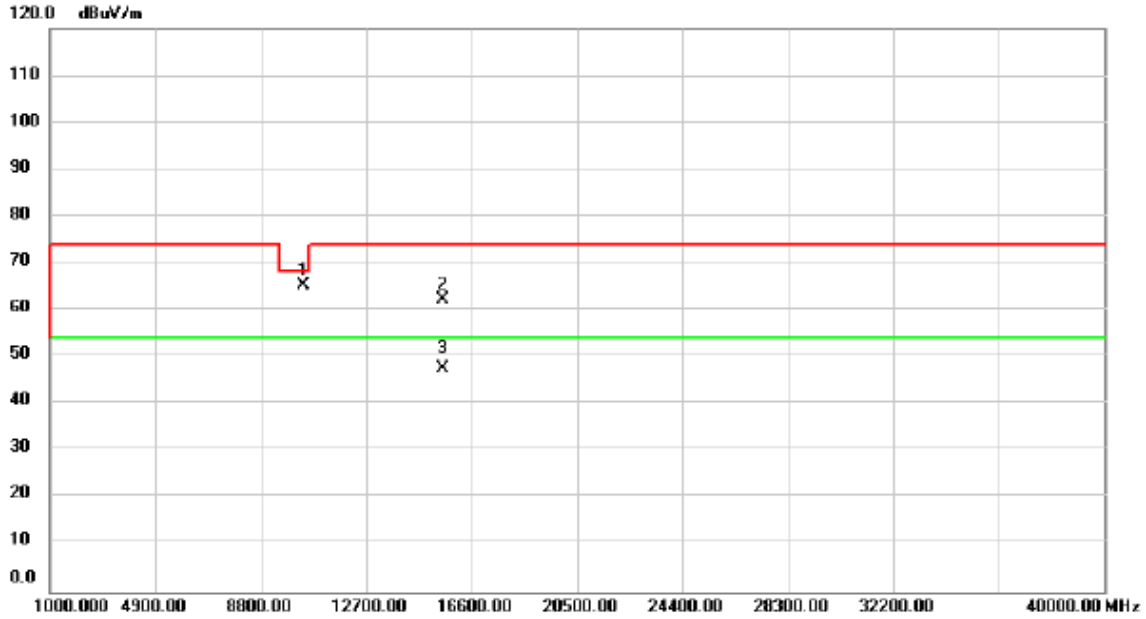
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11590.00	54.36	3.45	57.81	74.00	-16.19	peak	
2		11590.00	42.17	3.45	45.62	54.00	-8.38	AVG	
3		17385.00	52.01	8.65	60.66	74.00	-13.34	peak	
4	*	17385.00	40.53	8.65	49.18	54.00	-4.82	AVG	

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

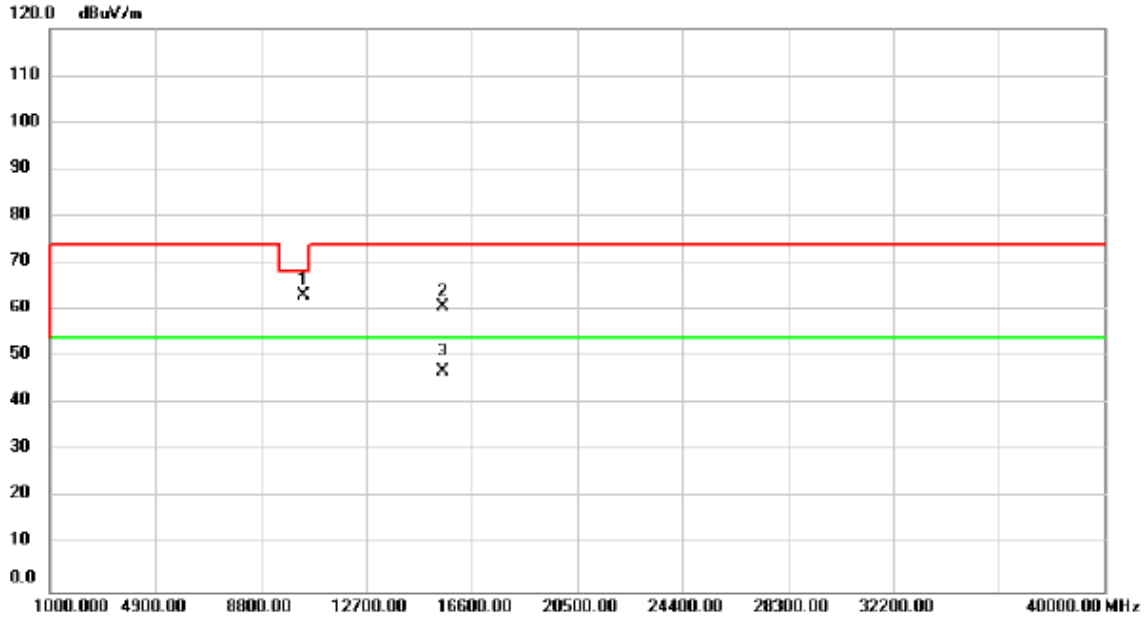
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	63.33	1.85	65.18	68.20	-3.02	peak	
2		15540.00	57.12	5.00	62.12	74.00	-11.88	peak	
3		15540.00	42.67	5.00	47.67	54.00	-6.33	AVG	

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

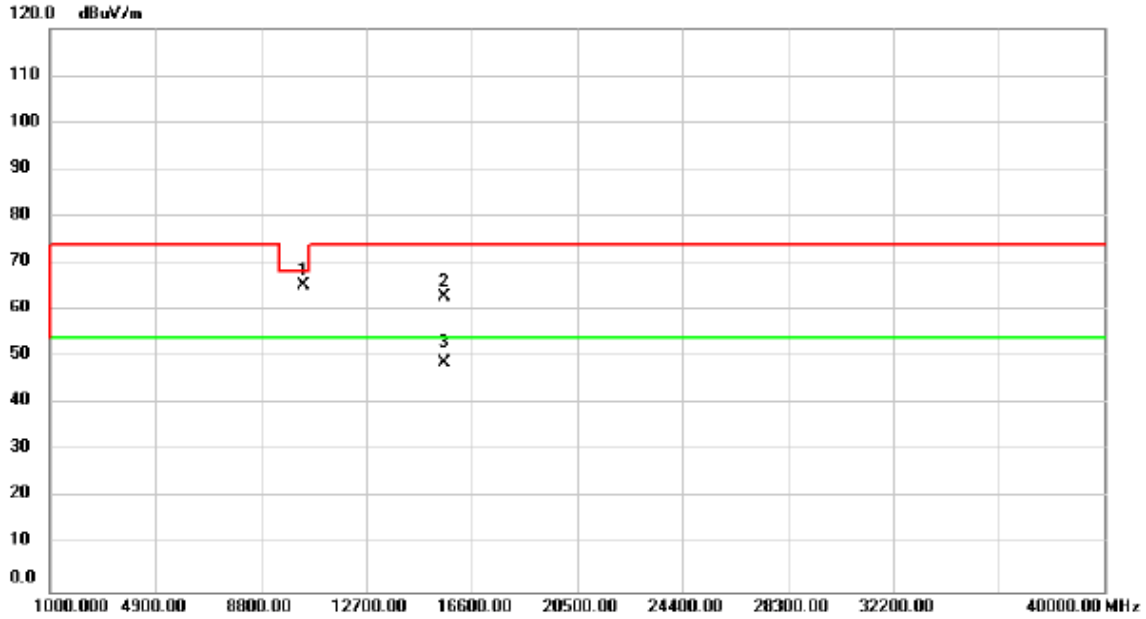
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.00	61.32	1.85	63.17	68.20	-5.03	peak	
2		15540.00	55.68	5.00	60.68	74.00	-13.32	peak	
3		15540.00	42.01	5.00	47.01	54.00	-6.99	AVG	

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

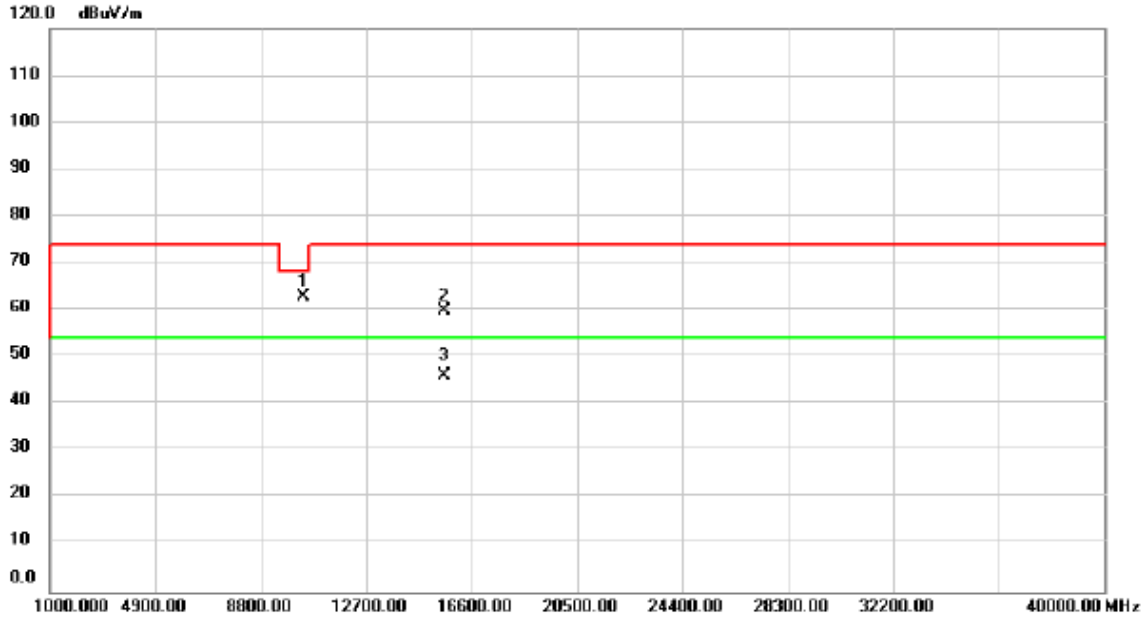
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	63.32	1.87	65.19	68.20	-3.01	peak	
2		15600.00	58.01	4.96	62.97	74.00	-11.03	peak	
3		15600.00	43.87	4.96	48.83	54.00	-5.17	AVG	

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

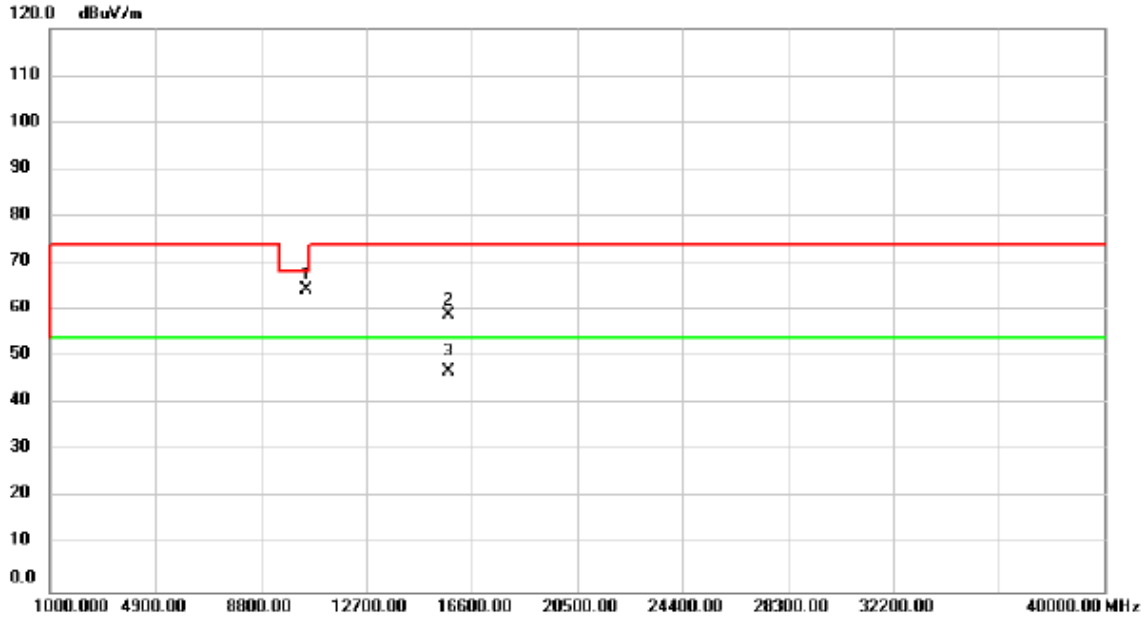
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	60.94	1.87	62.81	68.20	-5.39	peak	
2		15600.00	54.76	4.96	59.72	74.00	-14.28	peak	
3		15600.00	41.05	4.96	46.01	54.00	-7.99	AVG	

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

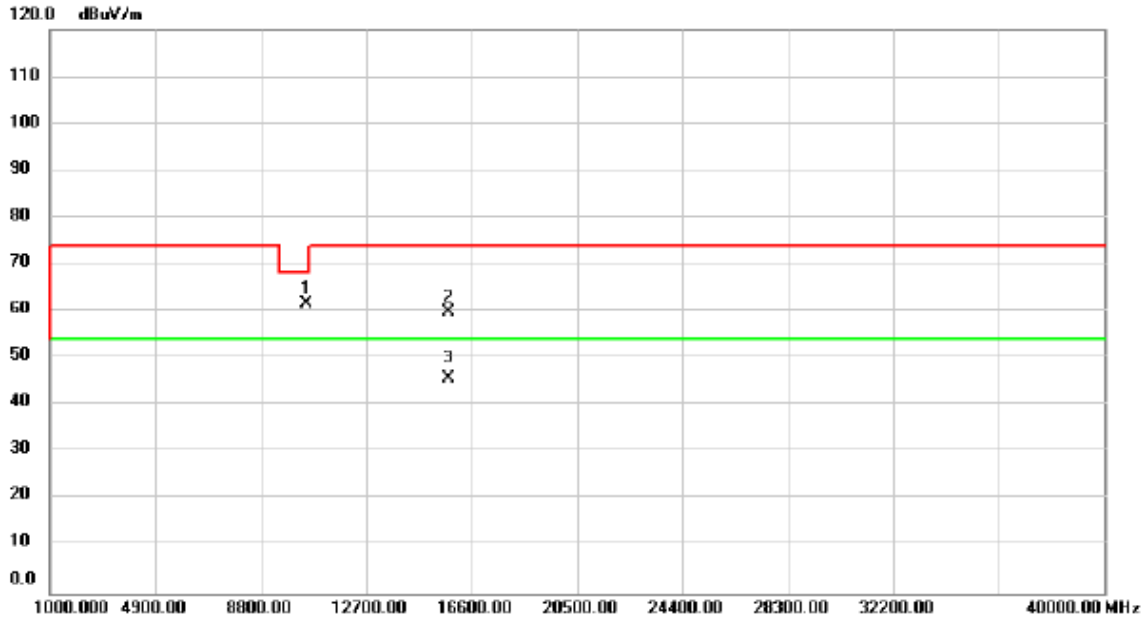
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	62.51	1.87	64.38	68.20	-3.82	peak	
2		15720.00	54.22	4.87	59.09	74.00	-14.91	peak	
3		15720.00	41.99	4.87	46.86	54.00	-7.14	AVG	

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

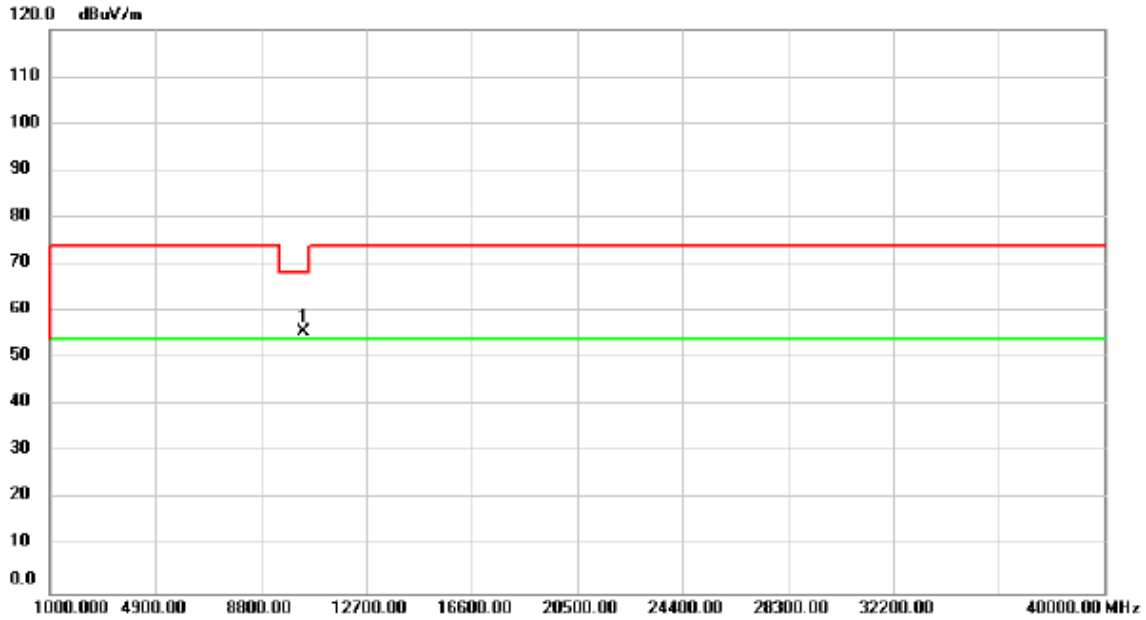
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.00	59.64	1.87	61.51	68.20	-6.69	peak	
2		15720.00	55.03	4.87	59.90	74.00	-14.10	peak	
3		15720.00	41.02	4.87	45.89	54.00	-8.11	AVG	

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

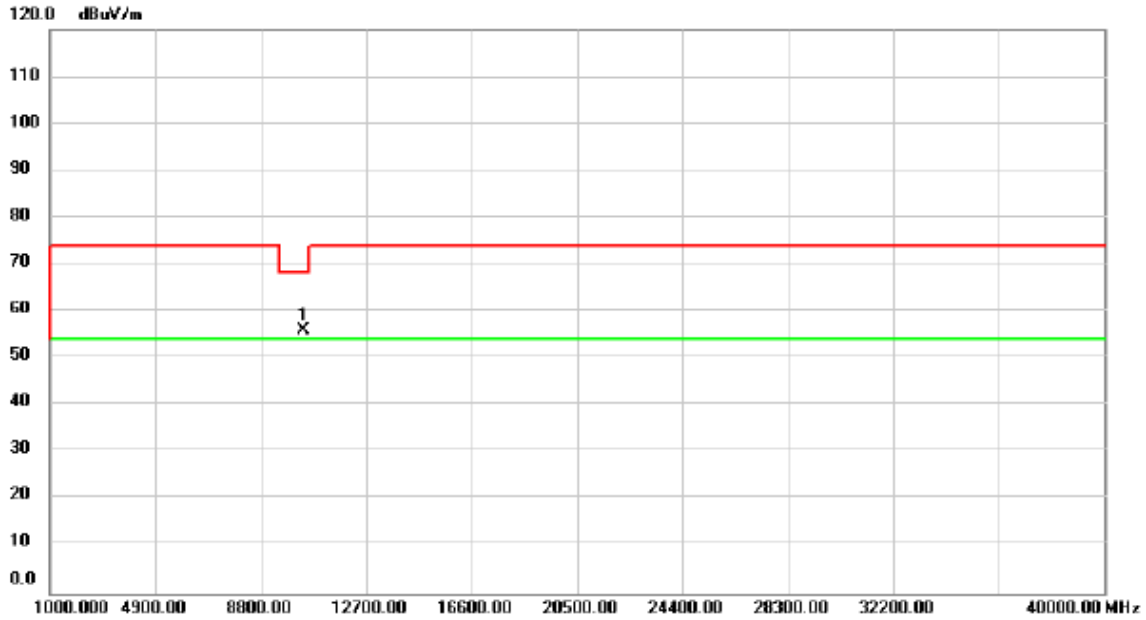
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00	53.69	1.87	55.56	68.20	-12.64	peak	

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

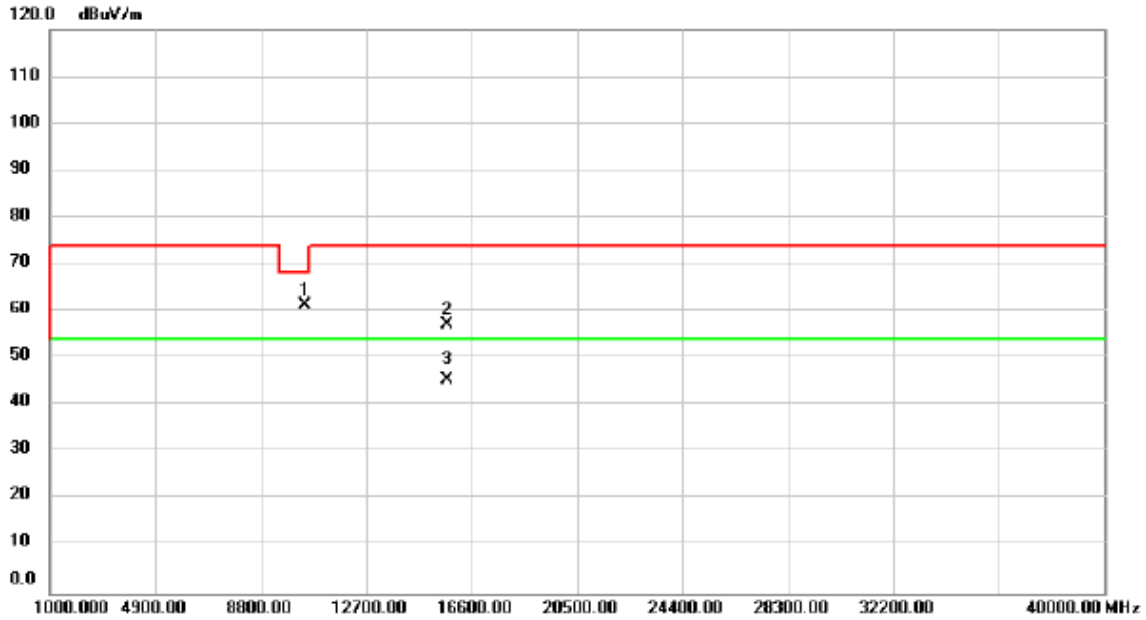
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00	54.08	1.87	55.95	68.20	-12.25	peak	

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

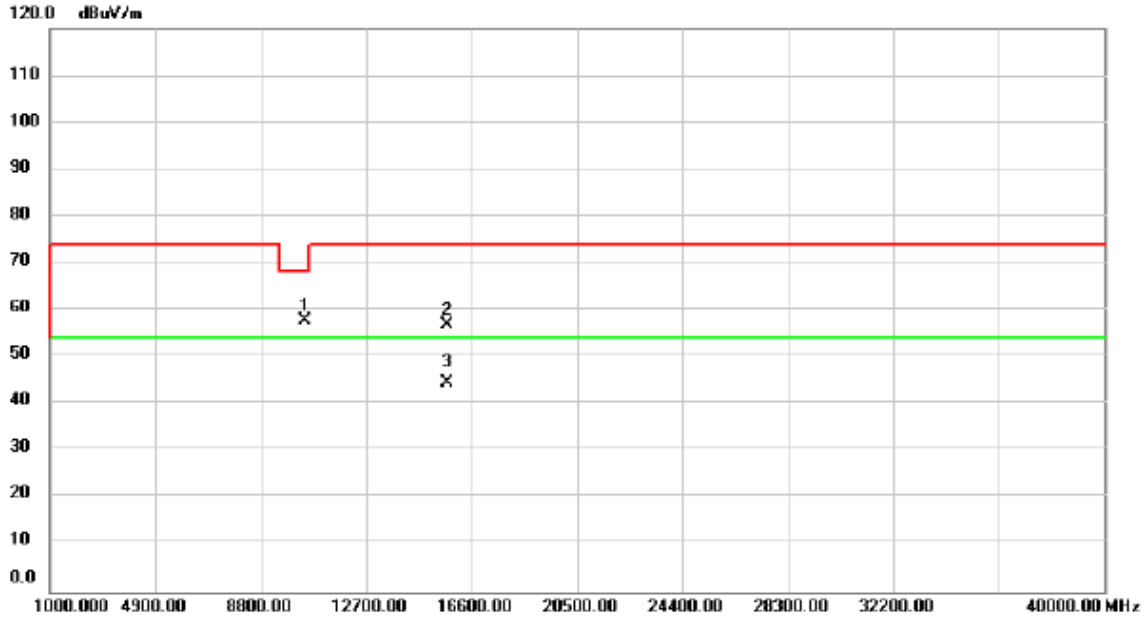
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10460.00	59.60	1.87	61.47	68.20	-6.73	peak	
2		15690.00	52.19	4.89	57.08	74.00	-16.92	peak	
3		15690.00	40.64	4.89	45.53	54.00	-8.47	AVG	

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

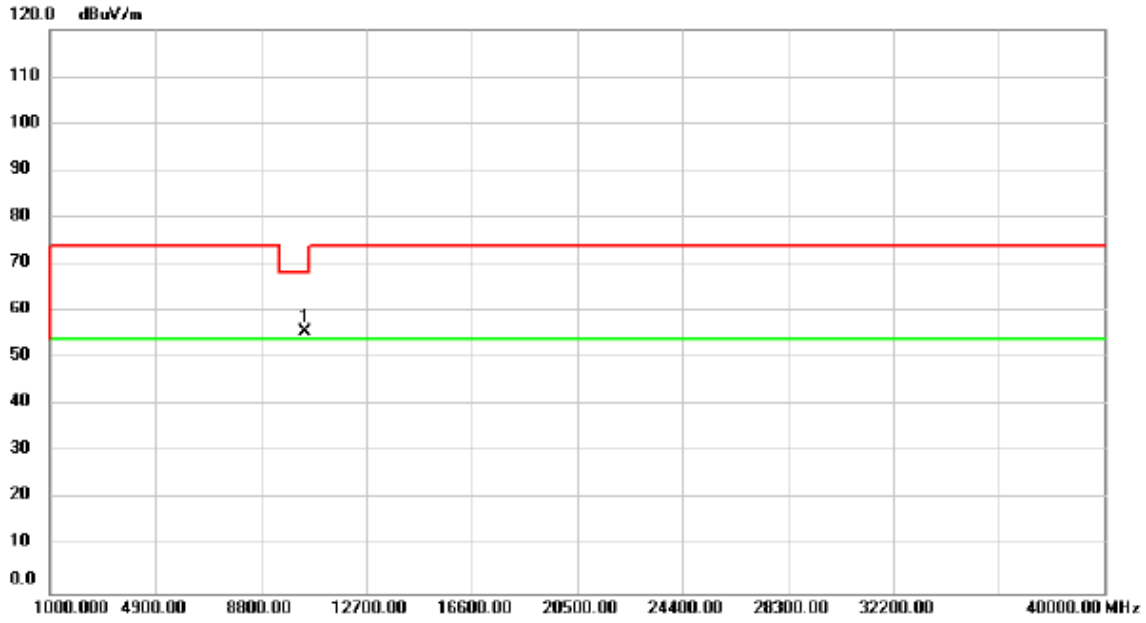
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10460.00	55.88	1.87	57.75	68.20	-10.45	peak	
2		15690.00	51.95	4.89	56.84	74.00	-17.16	peak	
3	*	15690.00	39.52	4.89	44.41	54.00	-9.59	AVG	

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

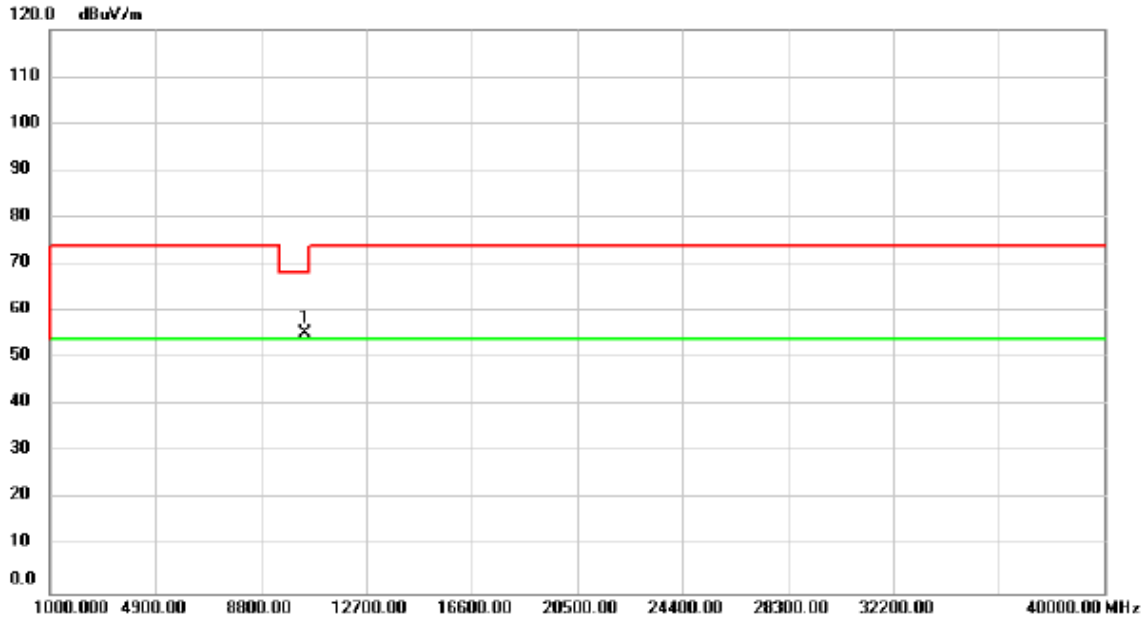
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10420.00	53.87	1.86	55.73	68.20	-12.47	peak	

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

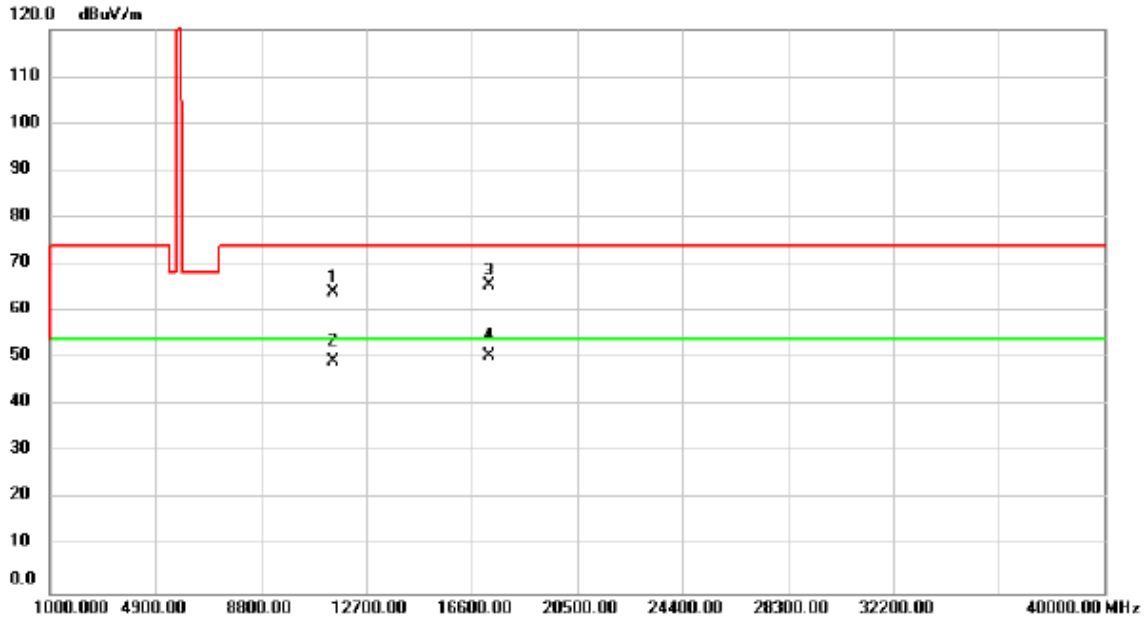
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10420.00	53.44	1.86	55.30	68.20	-12.90	peak	

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

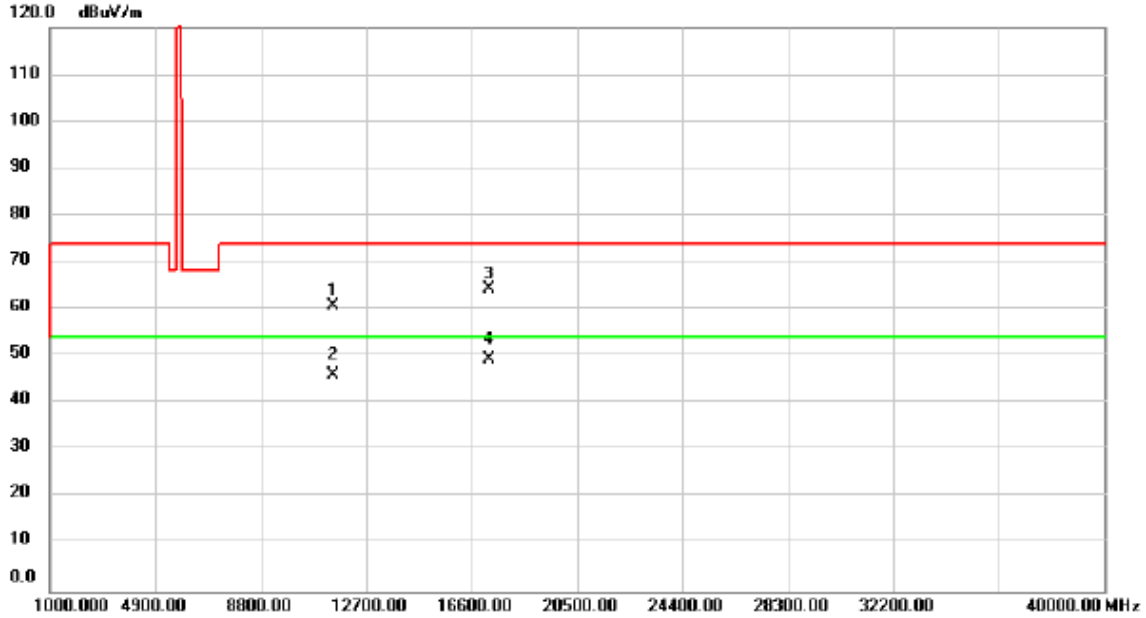
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	60.34	3.60	63.94	74.00	-10.06	peak	
2		11490.00	45.88	3.60	49.48	54.00	-4.52	AVG	
3		17235.00	57.34	8.11	65.45	74.00	-8.55	peak	
4	*	17235.00	42.31	8.11	50.42	54.00	-3.58	AVG	

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

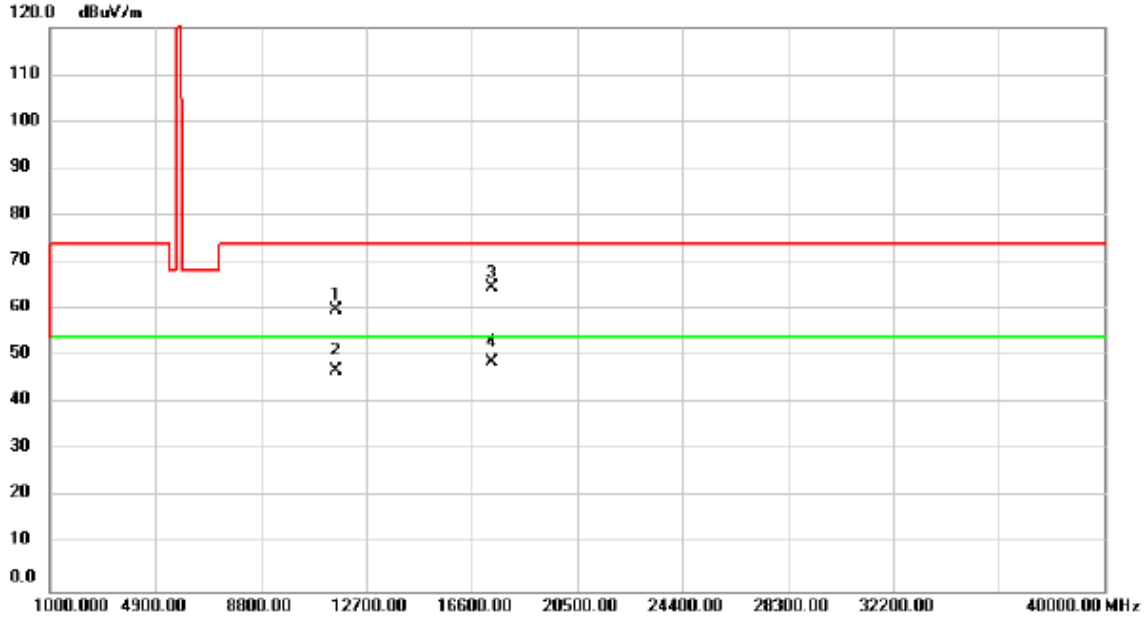
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.00	57.16	3.60	60.76	74.00	-13.24	peak	
2		11490.00	42.31	3.60	45.91	54.00	-8.09	AVG	
3		17235.00	56.37	8.11	64.48	74.00	-9.52	peak	
4	*	17235.00	41.35	8.11	49.46	54.00	-4.54	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5785MHz

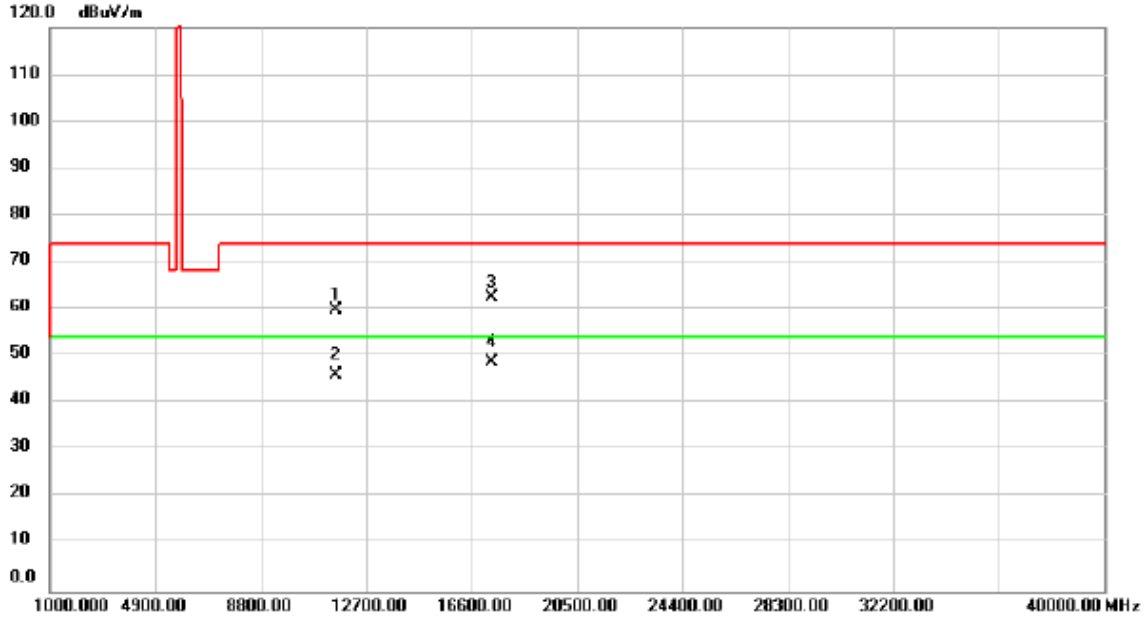
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	56.47	3.48	59.95	74.00	-14.05	peak	
2		11570.00	43.36	3.48	46.84	54.00	-7.16	AVG	
3		17355.00	56.22	8.53	64.75	74.00	-9.25	peak	
4	*	17355.00	40.29	8.53	48.82	54.00	-5.18	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5785MHz

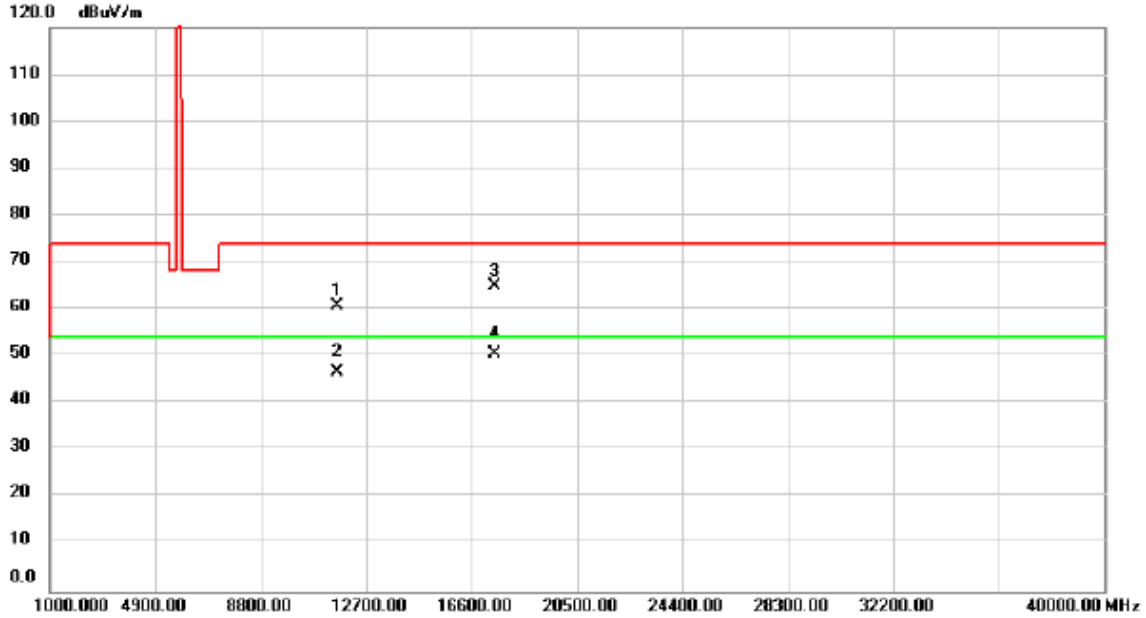
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.00	56.44	3.48	59.92	74.00	-14.08	peak	
2		11570.00	42.67	3.48	46.15	54.00	-7.85	AVG	
3		17355.00	53.91	8.53	62.44	74.00	-11.56	peak	
4	*	17355.00	40.23	8.53	48.76	54.00	-5.24	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5825MHz

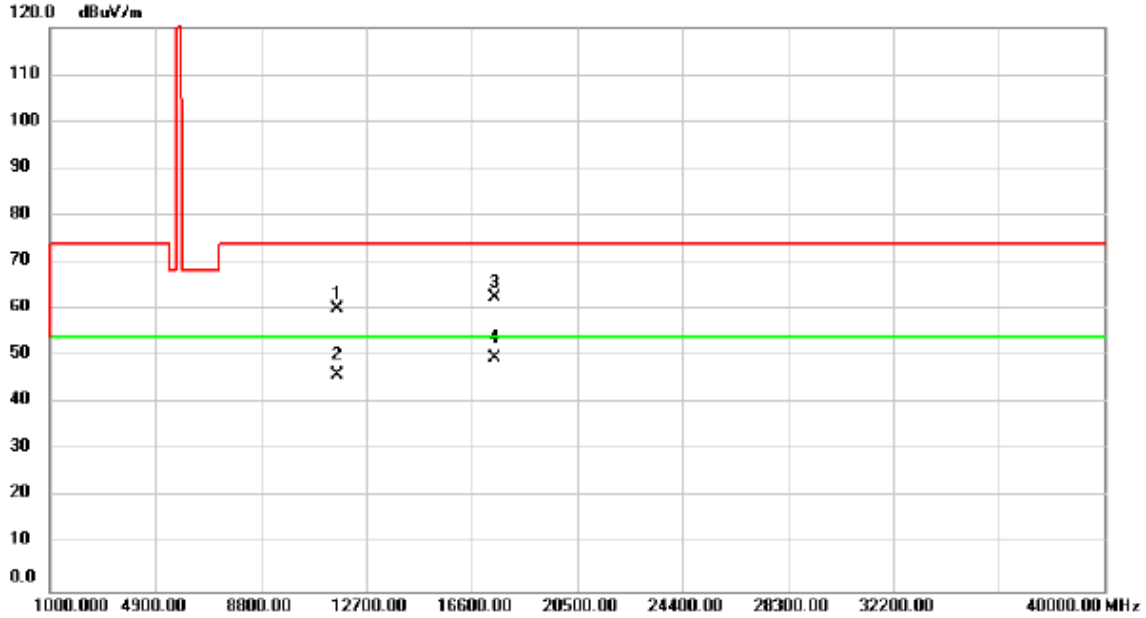
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	57.31	3.33	60.64	74.00	-13.36	peak	
2		11650.00	43.19	3.33	46.52	54.00	-7.48	AVG	
3		17475.00	55.84	8.97	64.81	74.00	-9.19	peak	
4	*	17475.00	41.63	8.97	50.60	54.00	-3.40	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5825MHz

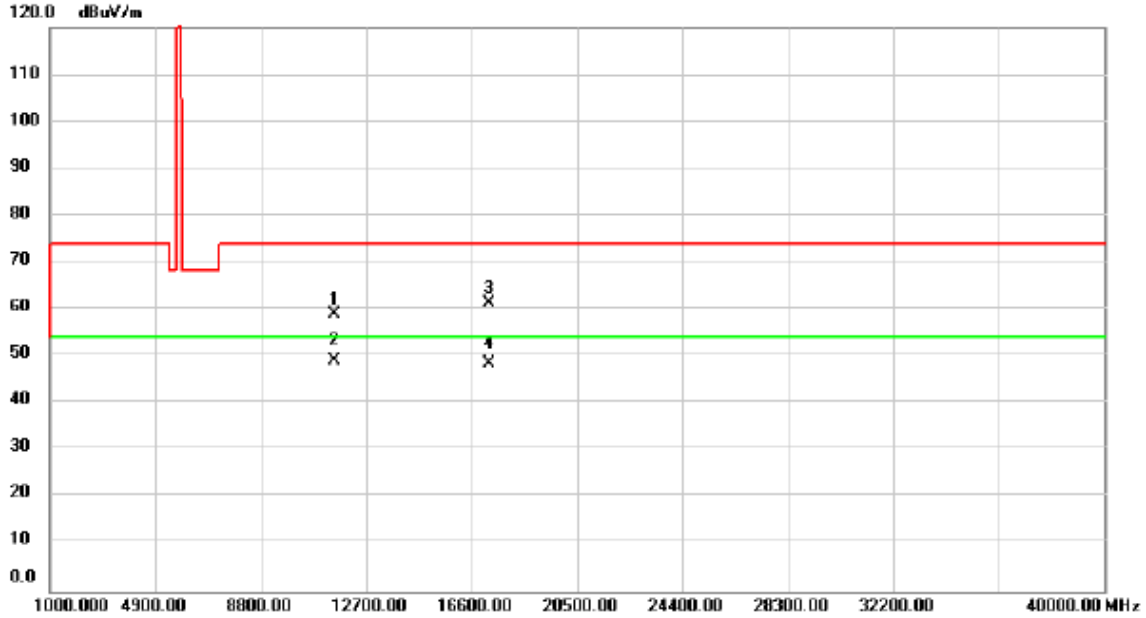
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.00	56.88	3.33	60.21	74.00	-13.79	peak	
2		11650.00	42.61	3.33	45.94	54.00	-8.06	AVG	
3		17475.00	53.46	8.97	62.43	74.00	-11.57	peak	
4	*	17475.00	40.64	8.97	49.61	54.00	-4.39	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5755MHz

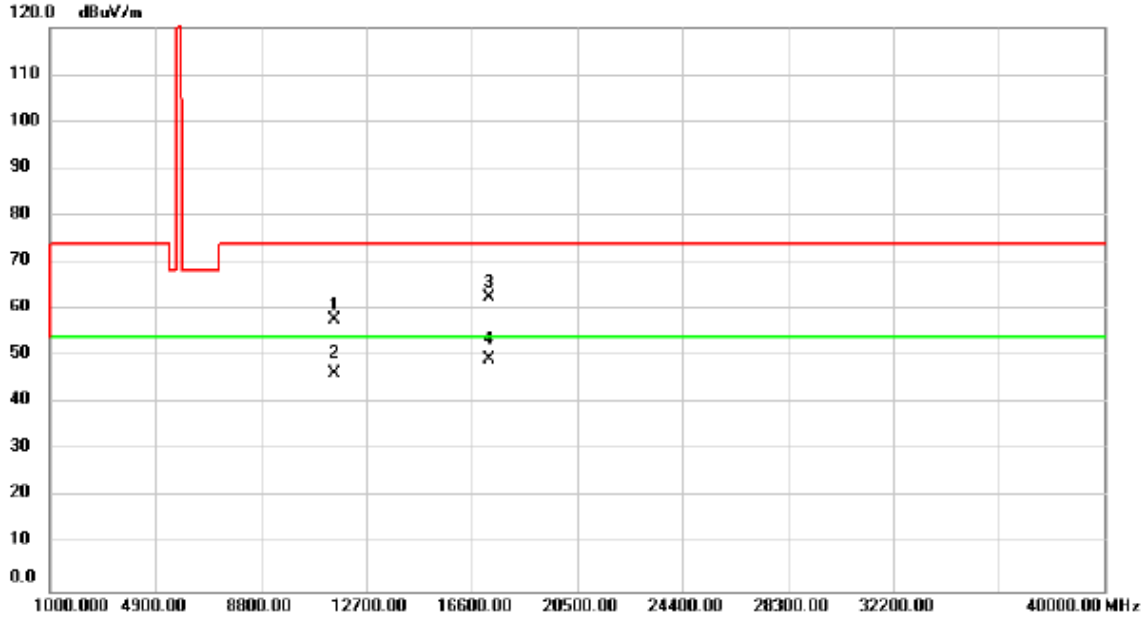
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.00	55.36	3.60	58.96	74.00	-15.04	peak	
2	*	11510.00	45.31	3.60	48.91	54.00	-5.09	AVG	
3		17265.00	53.13	8.22	61.35	74.00	-12.65	peak	
4		17265.00	40.16	8.22	48.38	54.00	-5.62	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5755MHz

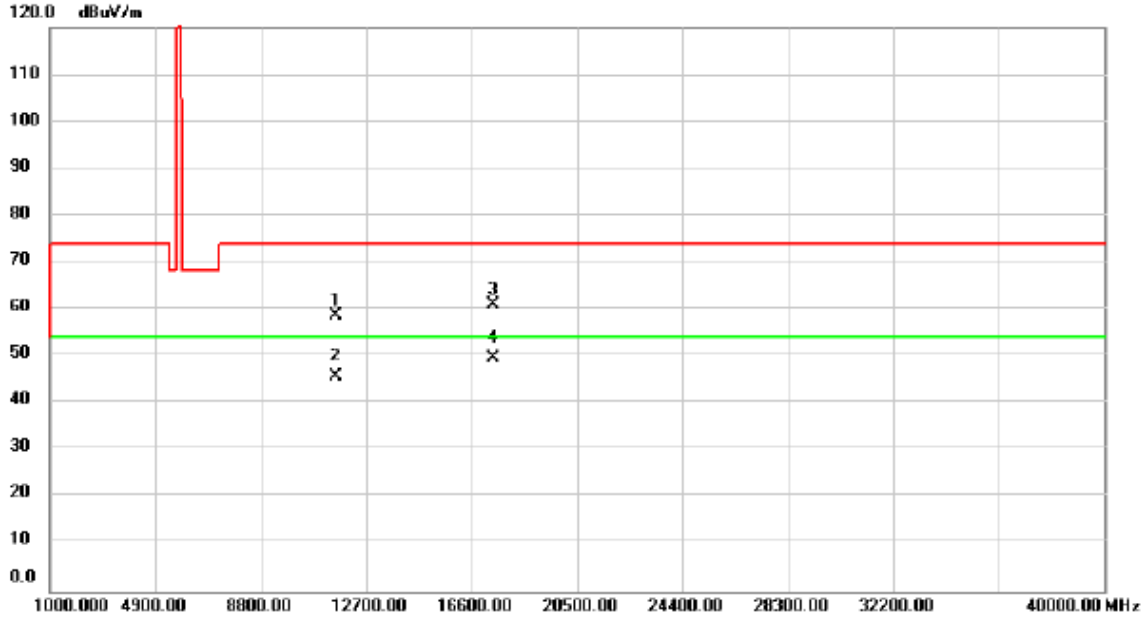
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.00	54.13	3.60	57.73	74.00	-16.27	peak	
2		11510.00	42.73	3.60	46.33	54.00	-7.67	AVG	
3		17265.00	54.36	8.22	62.58	74.00	-11.42	peak	
4	*	17265.00	41.23	8.22	49.45	54.00	-4.55	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5795MHz

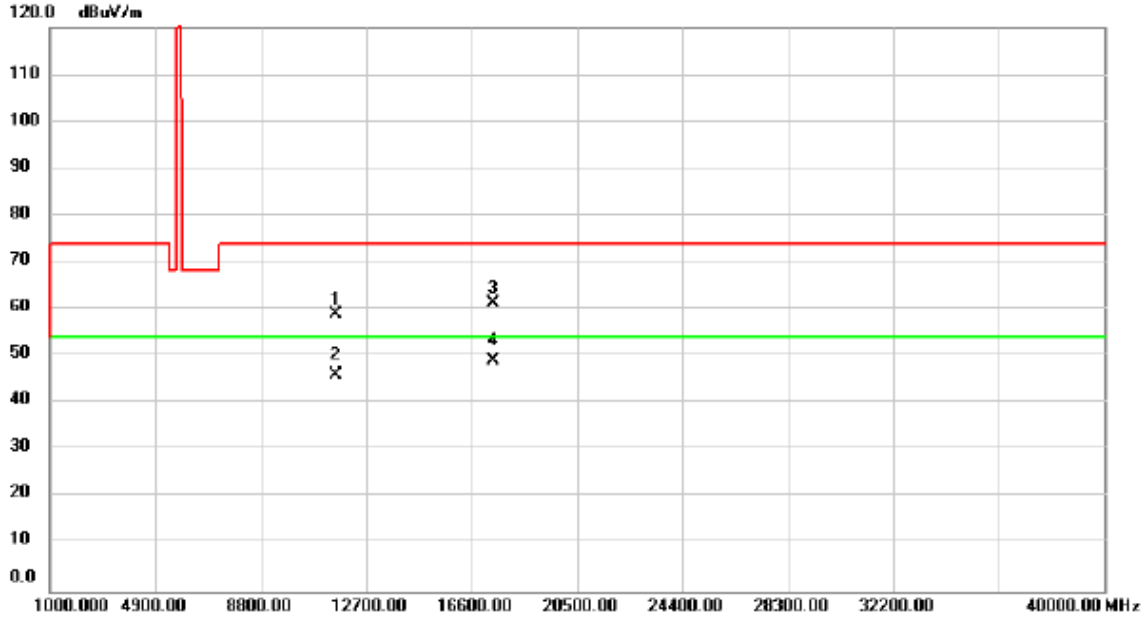
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11590.00	55.30	3.45	58.75	74.00	-15.25	peak	
2		11590.00	42.16	3.45	45.61	54.00	-8.39	AVG	
3		17385.00	52.34	8.65	60.99	74.00	-13.01	peak	
4	*	17385.00	40.87	8.65	49.52	54.00	-4.48	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5795MHz

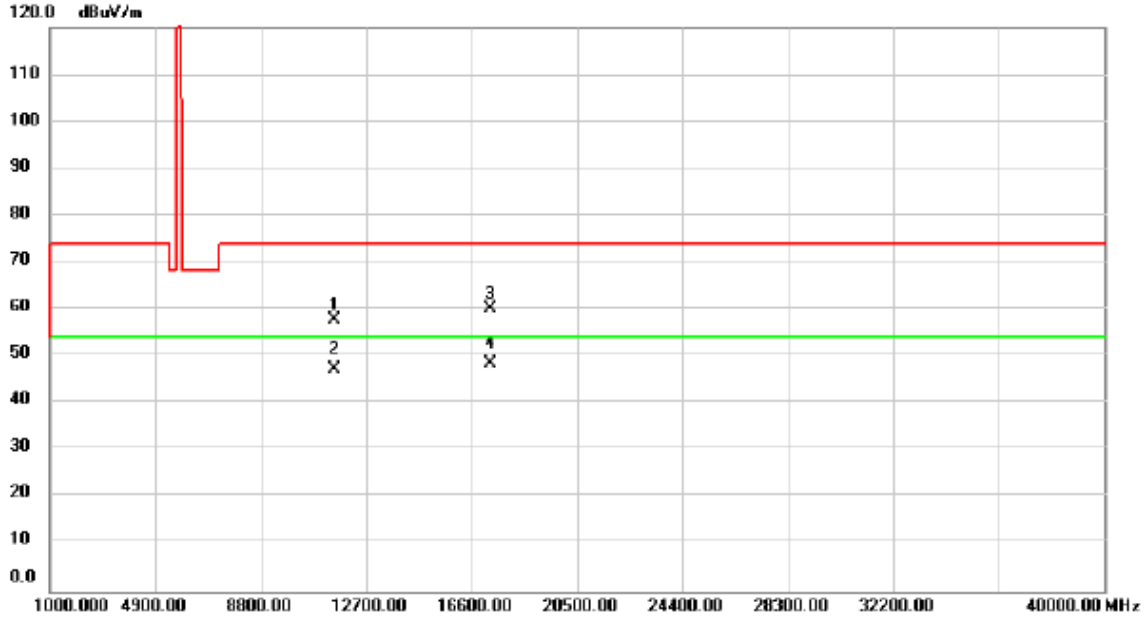
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11590.00	55.36	3.45	58.81	74.00	-15.19	peak	
2		11590.00	42.63	3.45	46.08	54.00	-7.92	AVG	
3		17385.00	52.74	8.65	61.39	74.00	-12.61	peak	
4	*	17385.00	40.34	8.65	48.99	54.00	-5.01	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC80 Mode 5775MHz

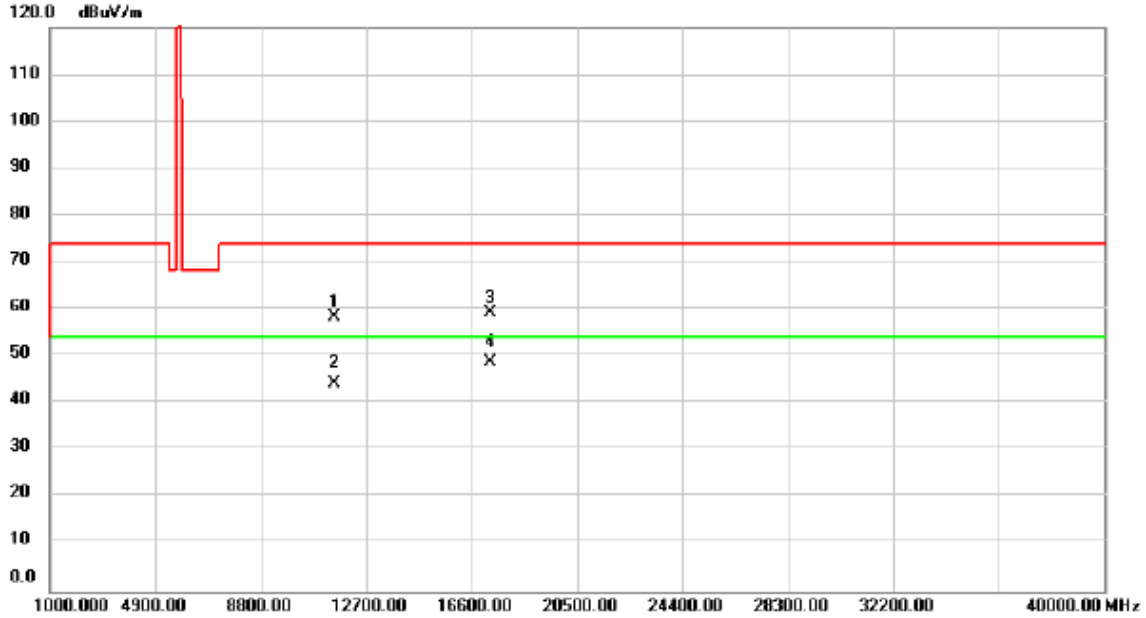
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11550.00	54.32	3.52	57.84	74.00	-16.16	peak	
2		11550.00	43.67	3.52	47.19	54.00	-6.81	AVG	
3		17325.00	51.68	8.44	60.12	74.00	-13.88	peak	
4	*	17325.00	40.13	8.44	48.57	54.00	-5.43	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC80 Mode 5775MHz

Horizontal



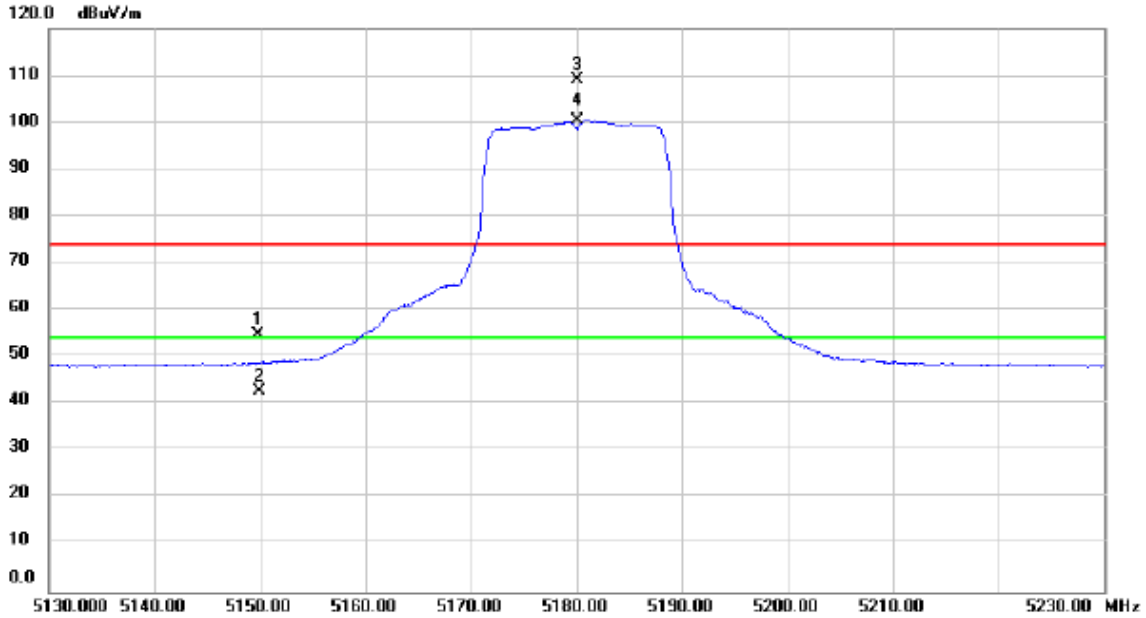
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11550.00	54.76	3.52	58.28	74.00	-15.72	peak	
2		11550.00	40.65	3.52	44.17	54.00	-9.83	AVG	
3		17325.00	50.86	8.44	59.30	74.00	-14.70	peak	
4	*	17325.00	40.35	8.44	48.79	54.00	-5.21	AVG	

ATTACHMENT E - BAND EDGE AND FUNDAMENTAL EMISSIONS

Non-Beamforming

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

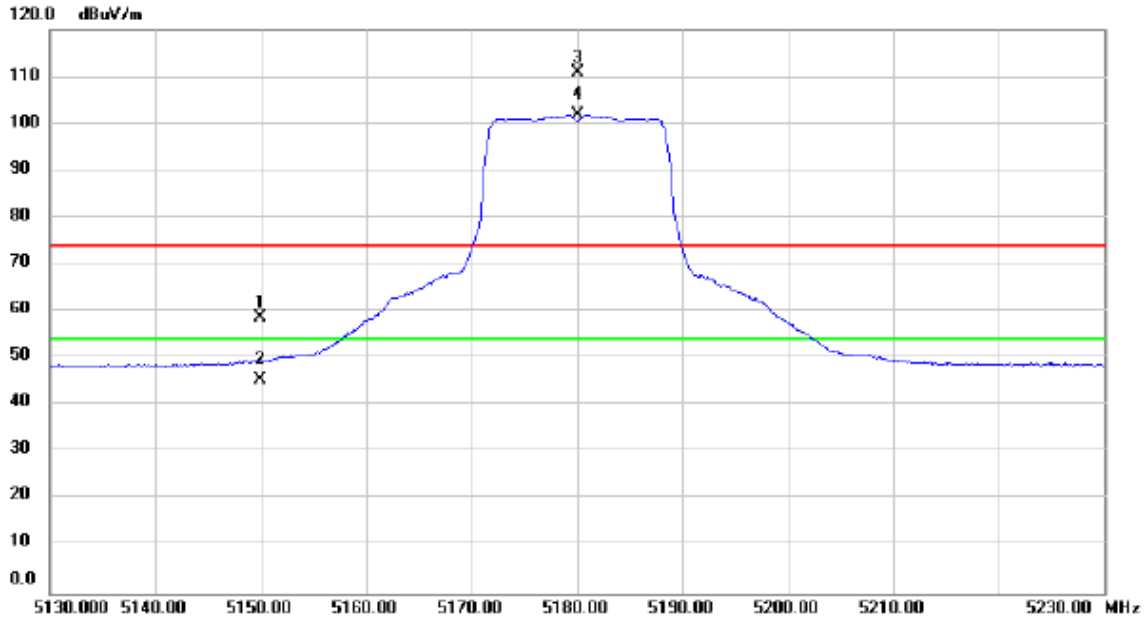
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5149.800	17.27	37.47	54.74	74.00	-19.26	peak	
2		5149.880	5.42	37.47	42.89	74.00	-31.11	peak	
3	X	5180.000	71.40	37.51	108.91	74.00	34.91	peak	No Limit
4	*	5180.000	62.90	37.51	100.41	54.00	46.41	AVG	No Limit

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

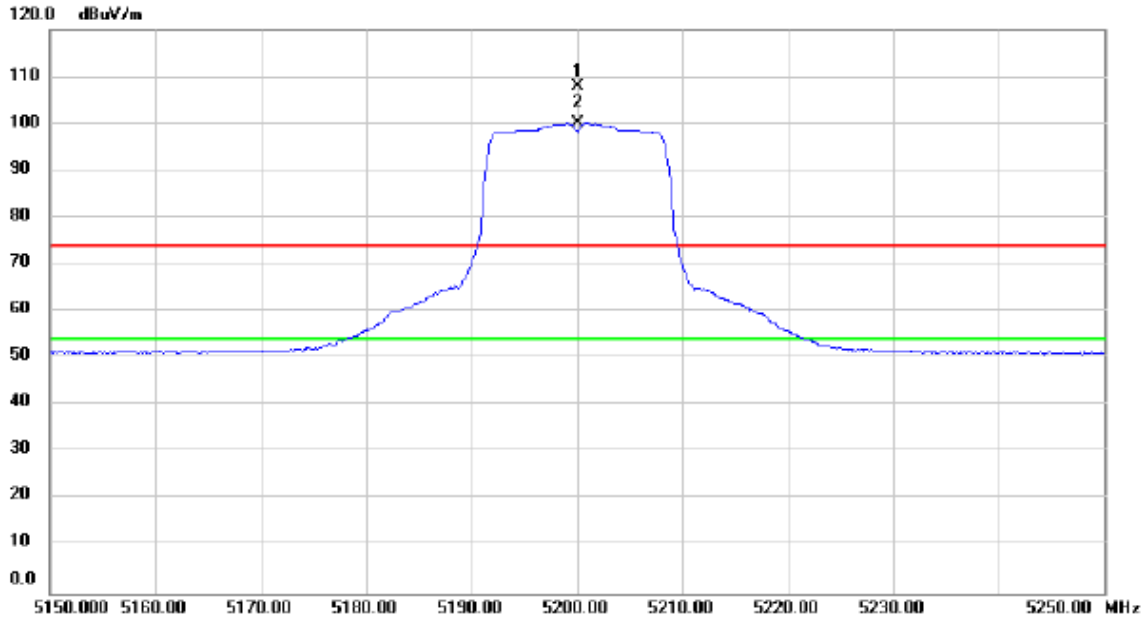
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5149.960	21.27	37.47	58.74	74.00	-15.26	peak	
2		5149.960	8.08	37.47	45.55	54.00	-8.45	AVG	
3	X	5180.000	73.41	37.51	110.92	74.00	36.92	peak	No Limit
4	*	5180.000	64.39	37.51	101.90	54.00	47.90	AVG	No Limit

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

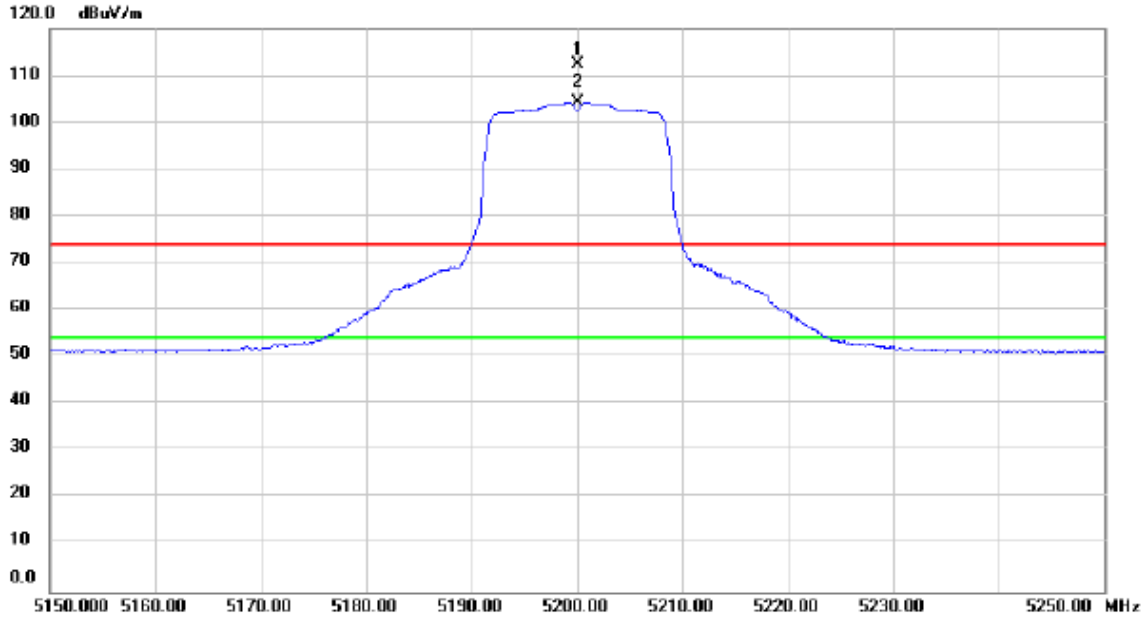
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5200.000	70.43	37.54	107.97	74.00	33.97	peak	No Limit
2	*	5200.000	62.51	37.54	100.05	54.00	46.05	AVG	No Limit

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

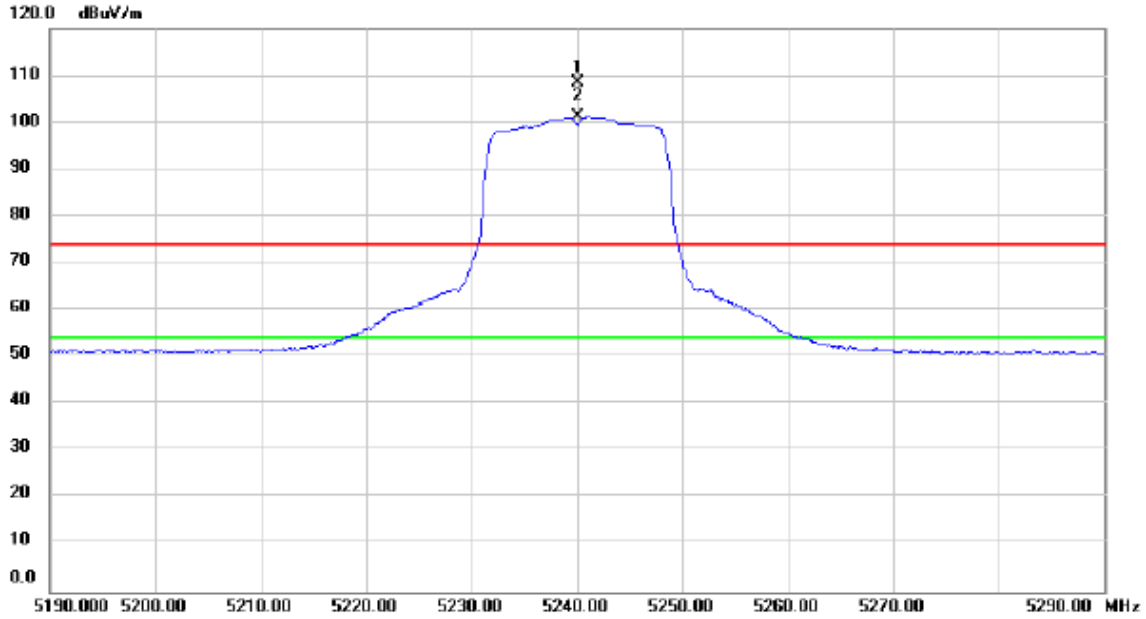
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5200.000	74.86	37.54	112.40	74.00	38.40	peak	No Limit
2	*	5200.000	66.77	37.54	104.31	54.00	50.31	AVG	No Limit

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

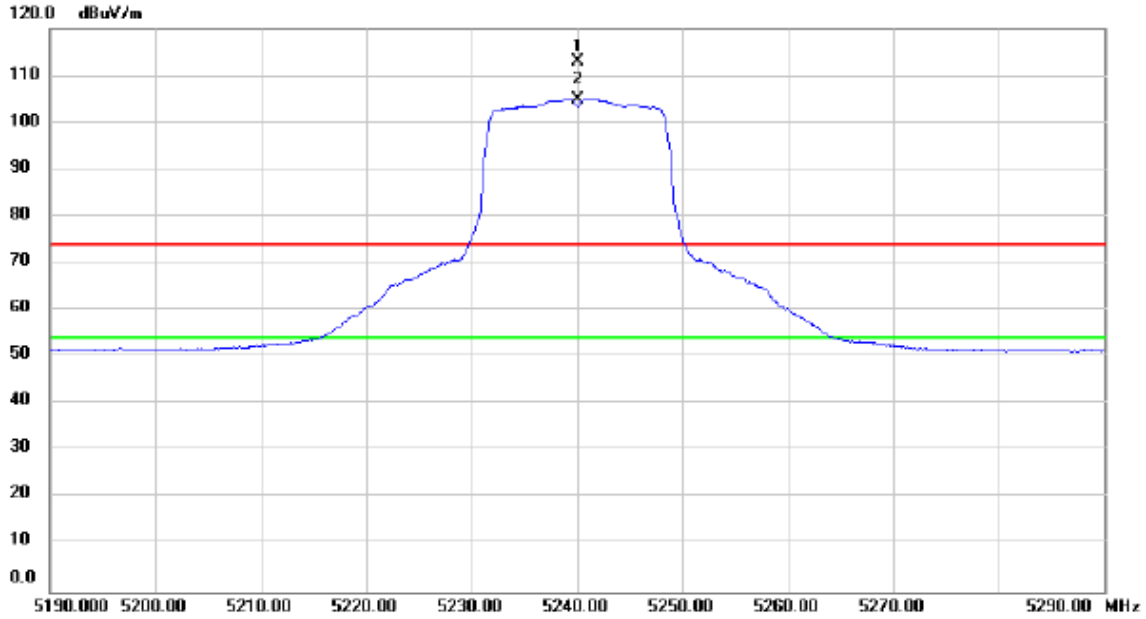
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5240.000	70.93	37.59	108.52	74.00	34.52	peak	No Limit
2	*	5240.000	63.57	37.59	101.16	54.00	47.16	AVG	No Limit

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

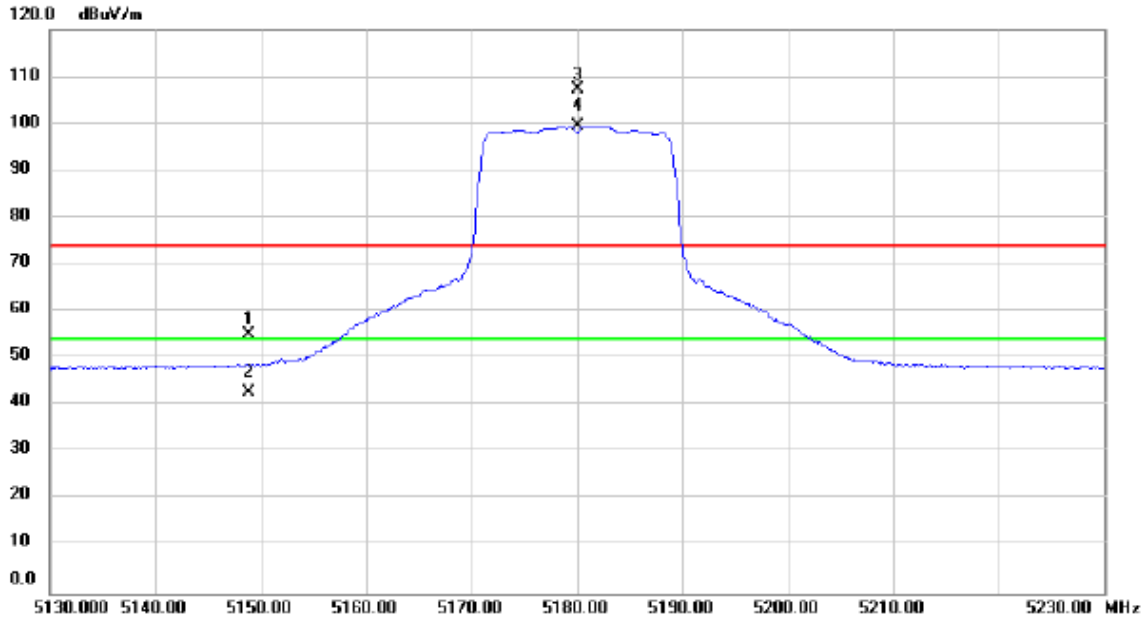
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5240.000	75.30	37.59	112.89	74.00	38.89	peak	No Limit
2	*	5240.000	67.37	37.59	104.96	54.00	50.96	AVG	No Limit

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

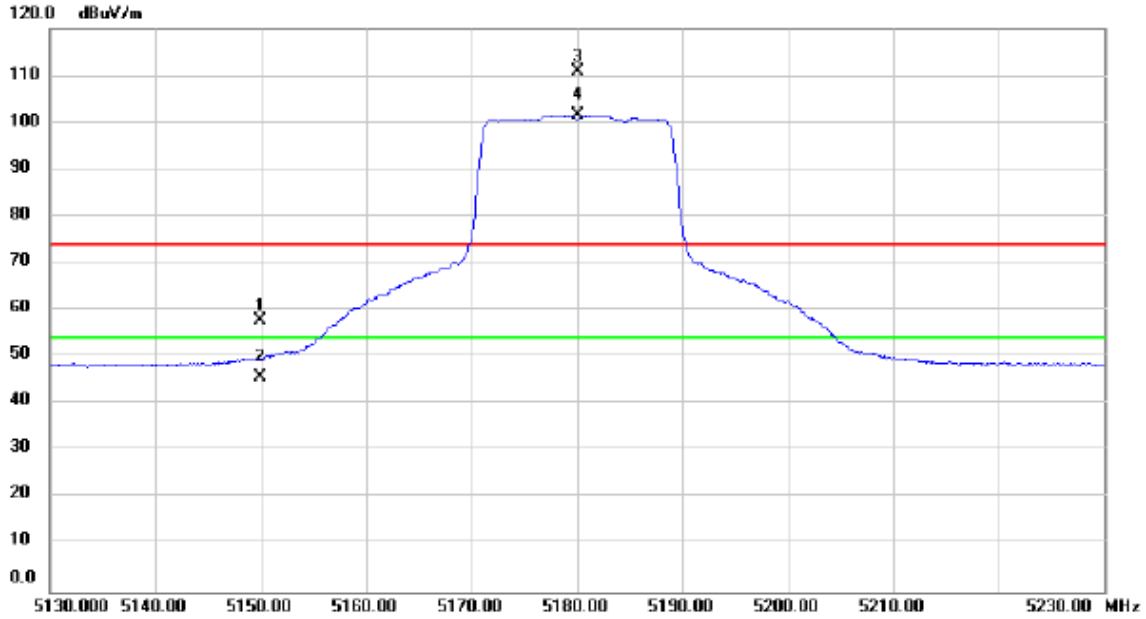
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5148.800	17.64	37.47	55.11	74.00	-18.89	peak	
2		5148.800	5.35	37.47	42.82	54.00	-11.18	AVG	
3	X	5180.000	69.68	37.51	107.19	74.00	33.19	peak	No Limit
4	*	5180.000	61.88	37.51	99.39	54.00	45.39	AVG	No Limit

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

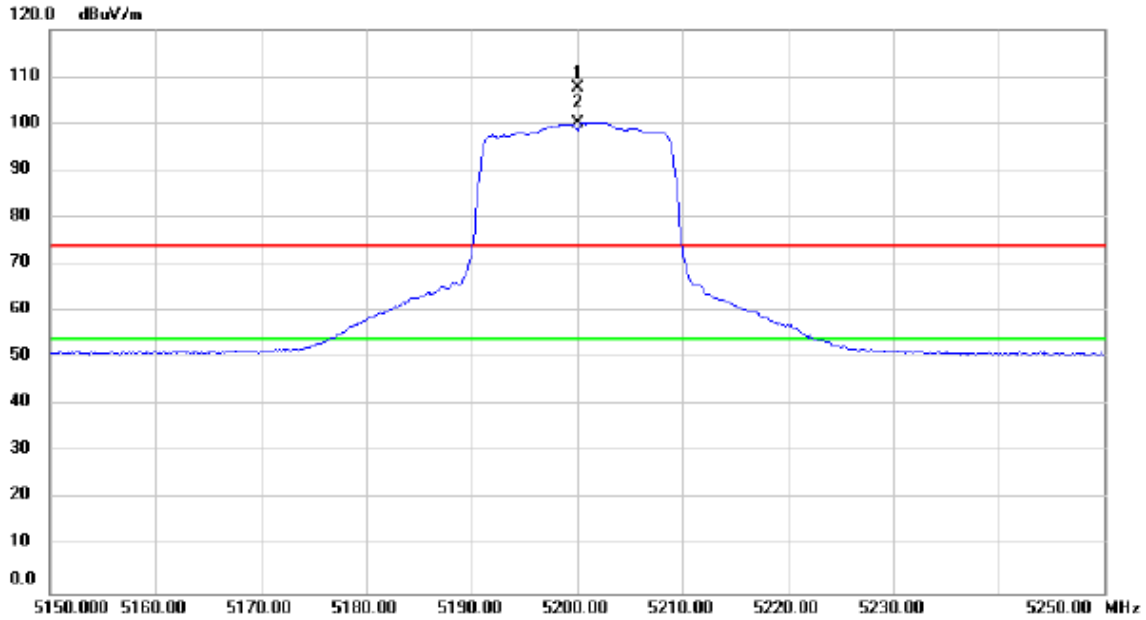
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5149.920	20.42	37.47	57.89	74.00	-16.11	peak	
2		5149.920	8.29	37.47	45.76	54.00	-8.24	AVG	
3	X	5180.000	73.34	37.51	110.85	74.00	36.85	peak	No Limit
4	*	5180.000	64.15	37.51	101.66	54.00	47.66	AVG	No Limit

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

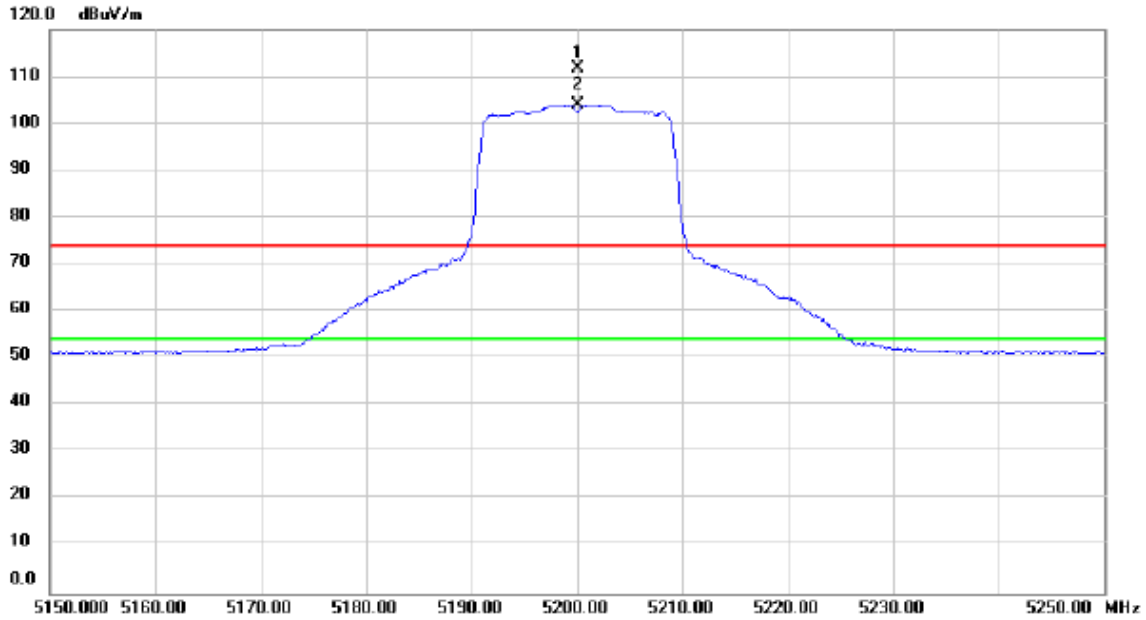
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5200.000	70.10	37.54	107.64	74.00	33.64	peak	No Limit
2	*	5200.000	62.62	37.54	100.16	54.00	46.16	AVG	No Limit

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

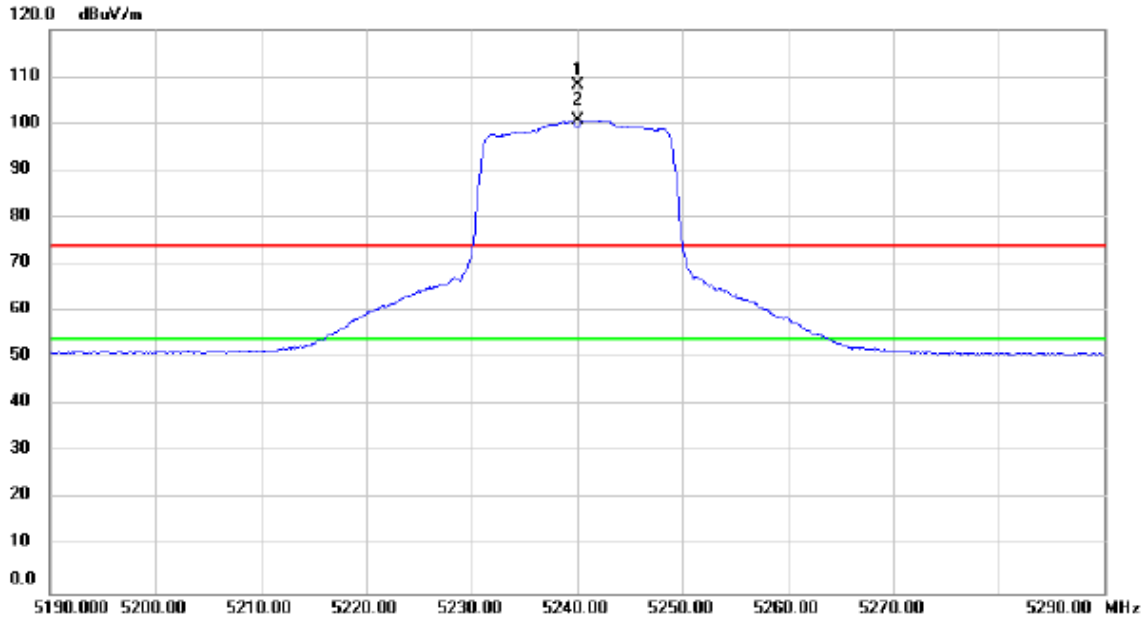
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5200.000	74.29	37.54	111.83	74.00	37.83	peak	No Limit
2	*	5200.000	66.52	37.54	104.06	54.00	50.06	AVG	No Limit

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

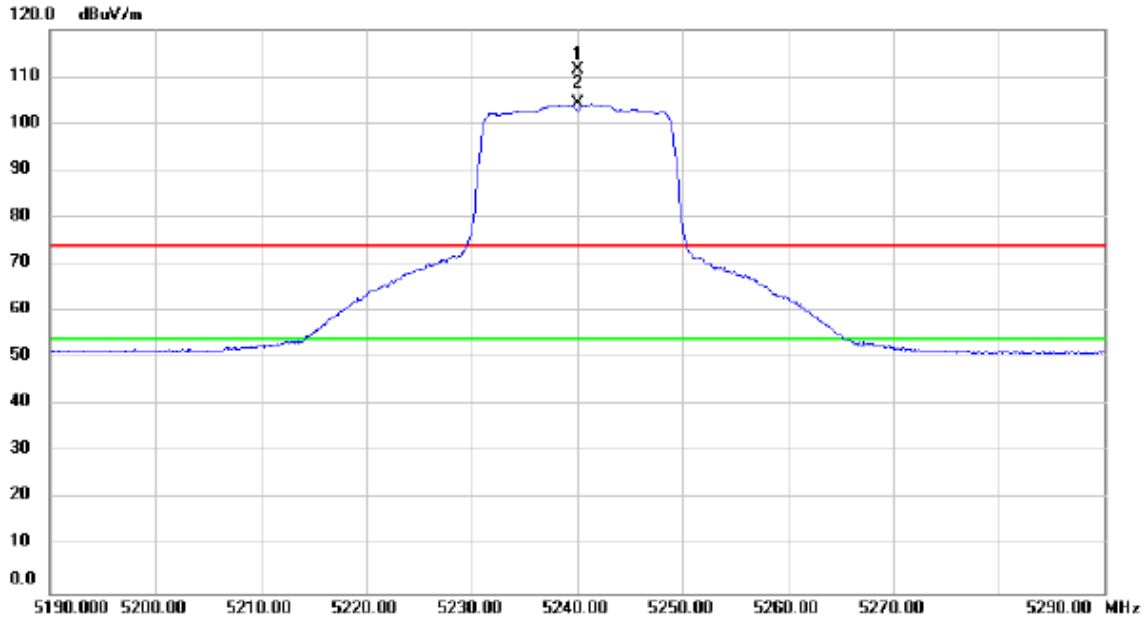
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5240.000	70.58	37.59	108.17	74.00	34.17	peak	No Limit
2	*	5240.000	63.12	37.59	100.71	54.00	46.71	AVG	No Limit

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

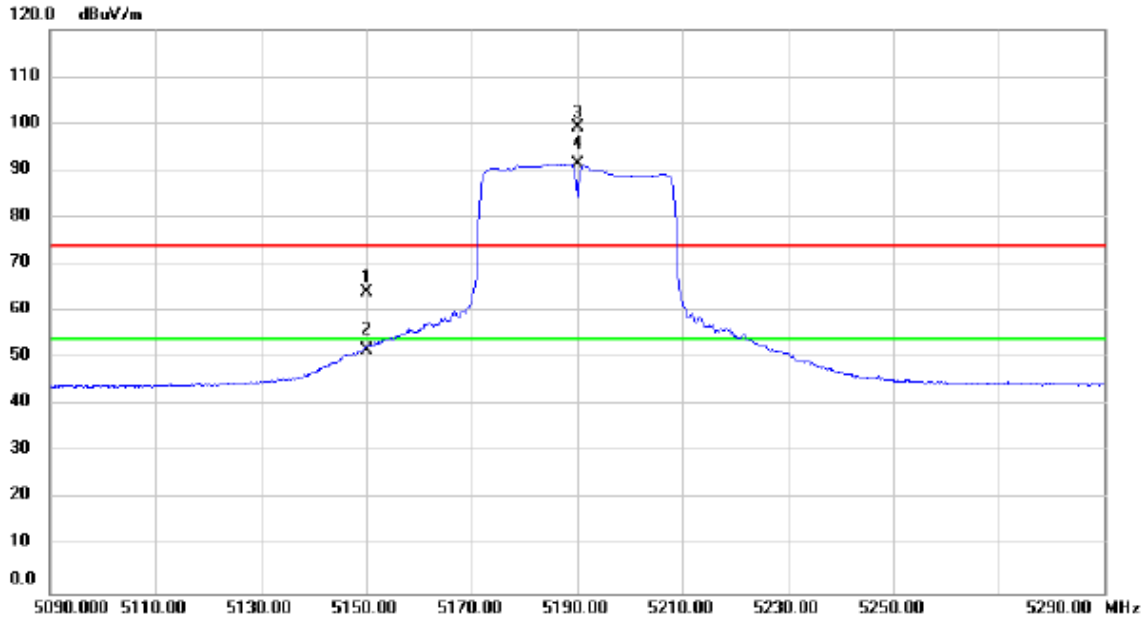
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5240.000	73.74	37.59	111.33	74.00	37.33	peak	No Limit
2	*	5240.000	66.53	37.59	104.12	54.00	50.12	AVG	No Limit

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

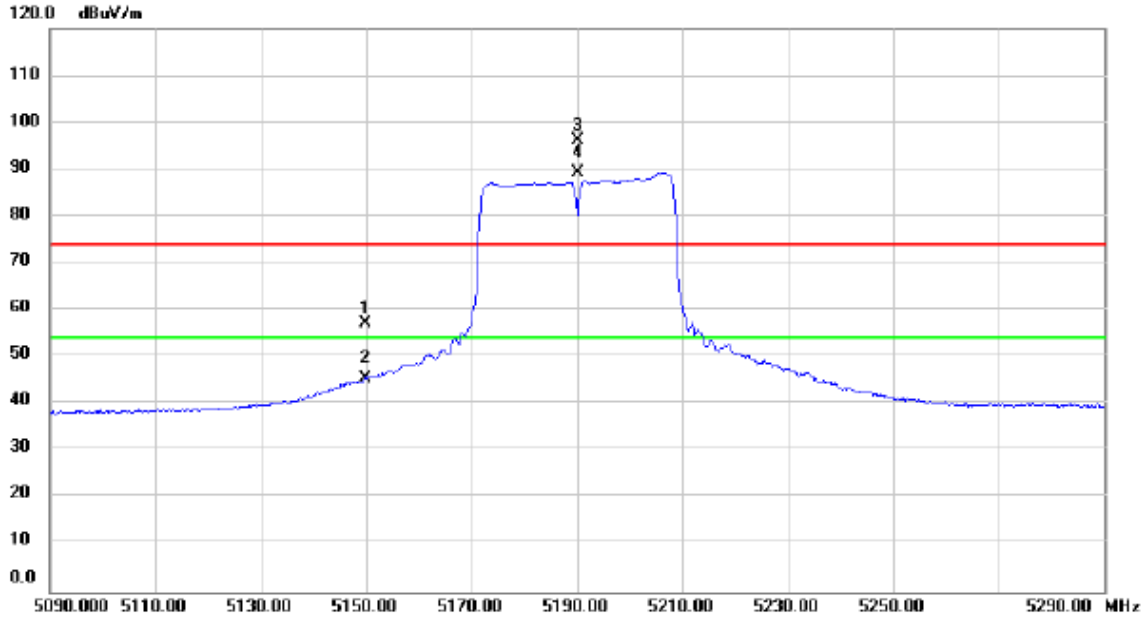
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	26.57	37.47	64.04	74.00	-9.96	peak	
2		5150.000	14.27	37.47	51.74	54.00	-2.26	AVG	
3	X	5190.000	61.67	37.52	99.19	74.00	25.19	peak	No Limit
4	*	5190.000	53.90	37.52	91.42	54.00	37.42	AVG	No Limit

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

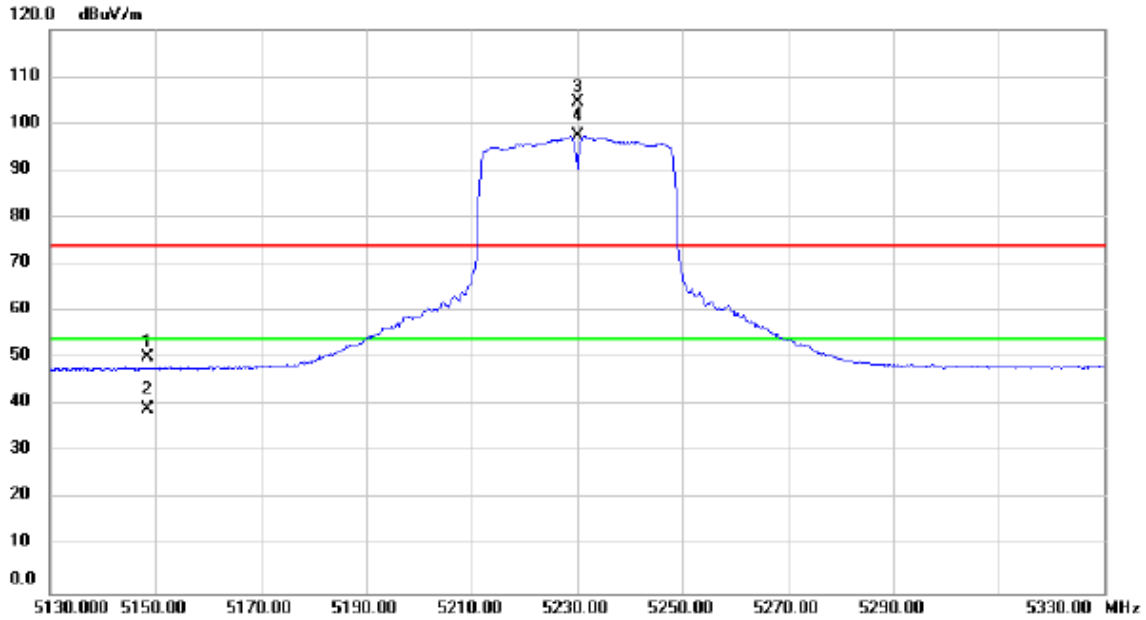
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5149.940	19.65	37.47	57.12	74.00	-16.88	peak	
2		5149.940	7.99	37.47	45.46	54.00	-8.54	AVG	
3	X	5190.000	58.69	37.52	96.21	74.00	22.21	peak	No Limit
4	*	5190.000	51.80	37.52	89.32	54.00	35.32	AVG	No Limit

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

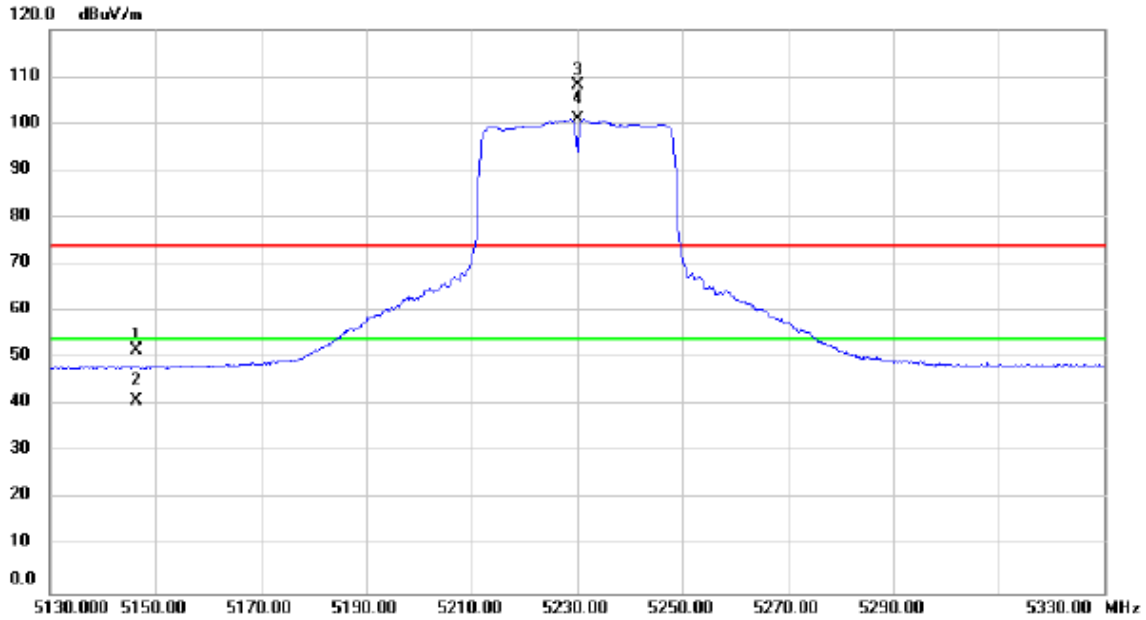
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5148.560	12.86	37.47	50.33	74.00	-23.67	peak	
2		5148.560	1.55	37.47	39.02	54.00	-14.98	AVG	
3	X	5230.000	66.87	37.57	104.44	74.00	30.44	peak	No Limit
4	*	5230.000	59.74	37.57	97.31	54.00	43.31	AVG	No Limit

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

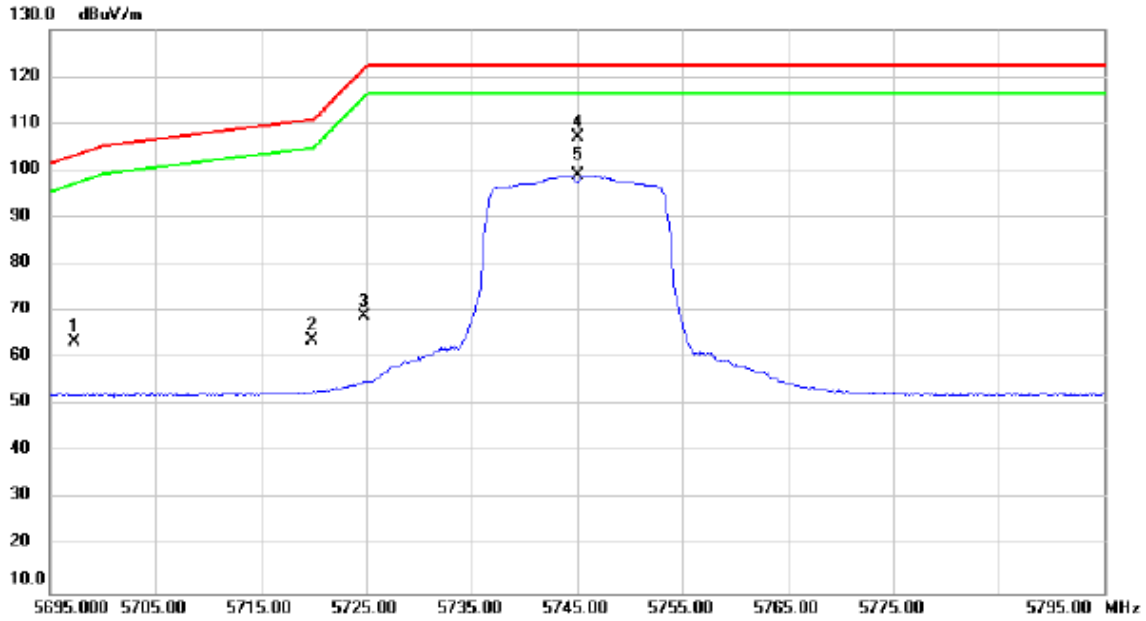
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5146.380	14.37	37.47	51.84	74.00	-22.16	peak	
2		5146.380	3.47	37.47	40.94	54.00	-13.06	AVG	
3	X	5230.000	70.68	37.57	108.25	74.00	34.25	peak	No Limit
4	*	5230.000	63.37	37.57	100.94	54.00	46.94	AVG	No Limit

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

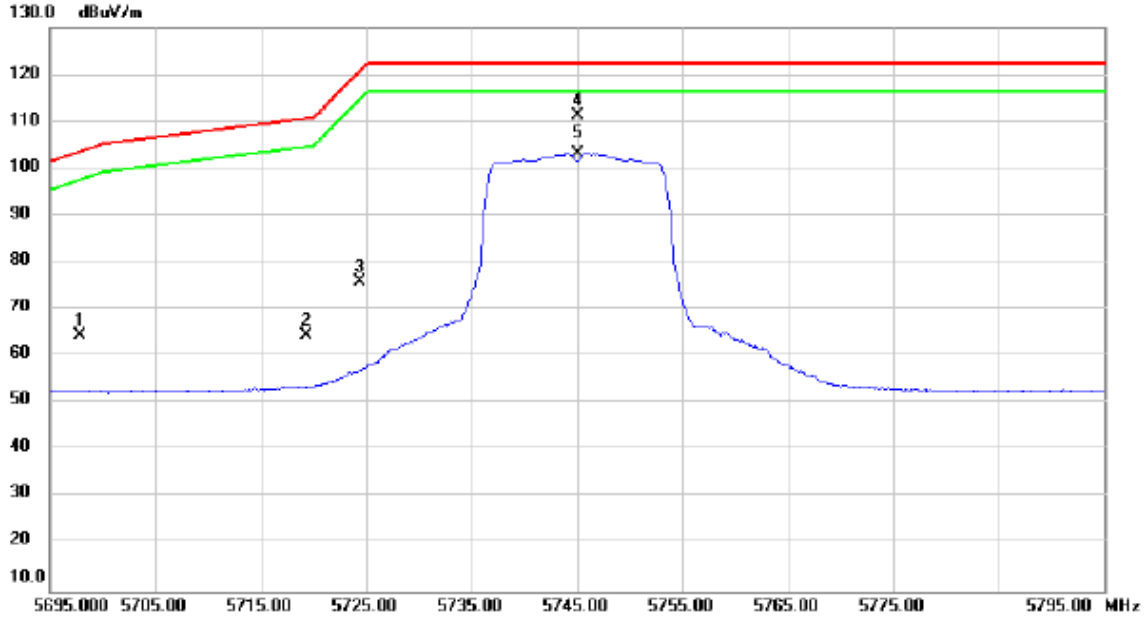
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5697.275	25.23	38.42	63.65	103.18	-39.53	peak	
2		5719.900	25.37	38.48	63.85	110.77	-46.92	peak	
3		5724.755	30.43	38.48	68.91	121.64	-52.73	peak	
4	*	5745.000	68.51	38.53	107.04	122.20	-15.16	peak	No Limit
5		5745.000	60.54	38.53	99.07	122.20	-23.13	AVG	No Limit

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

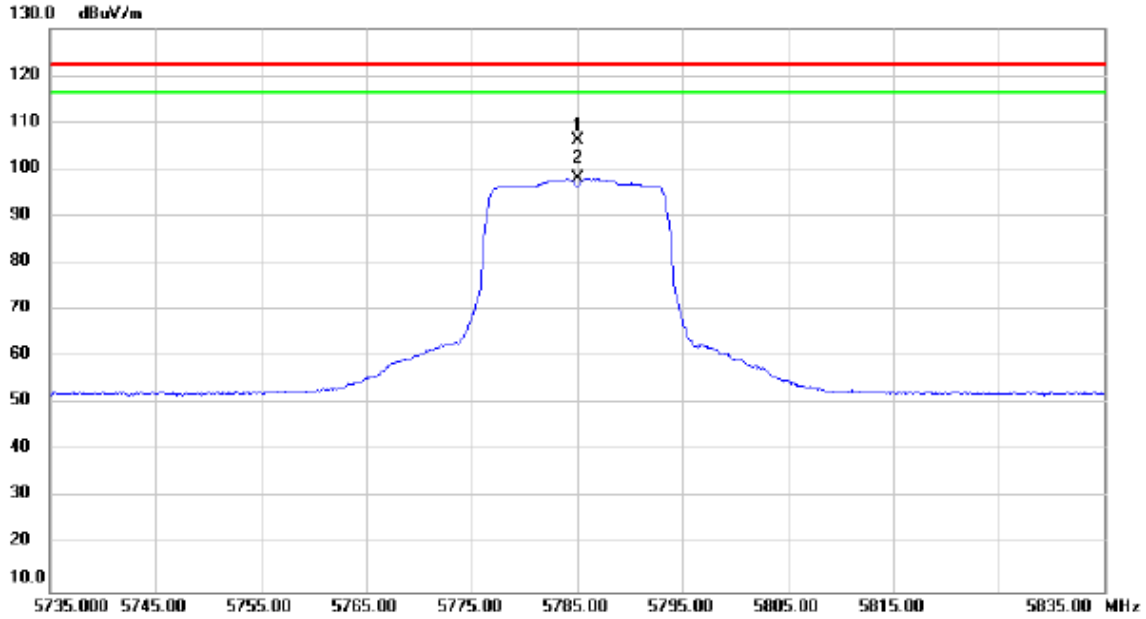
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5697.890	25.95	38.42	64.37	103.64	-39.27	peak	
2		5719.360	25.97	38.48	64.45	110.62	-46.17	peak	
3		5724.370	37.44	38.48	75.92	120.76	-44.84	peak	
4	*	5745.000	72.75	38.53	111.28	122.20	-10.92	peak	No Limit
5		5745.000	64.70	38.53	103.23	122.20	-18.97	AVG	No Limit

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

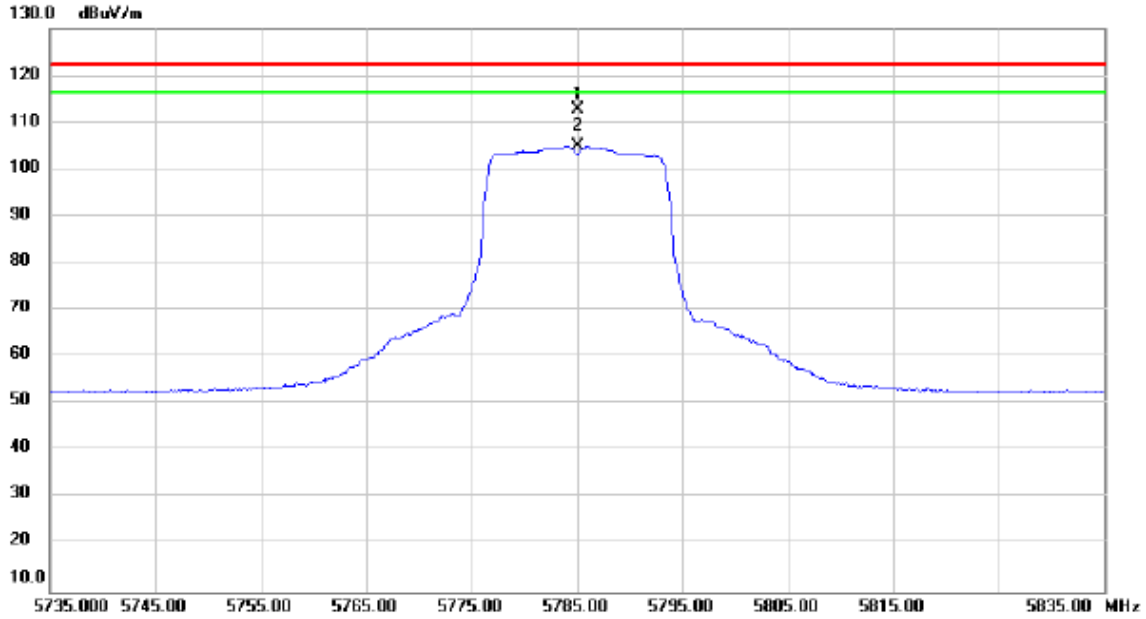
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5785.000	67.49	38.64	106.13	122.20	-16.07	peak	No Limit
2		5785.000	59.48	38.64	98.12	122.20	-24.08	AVG	No Limit

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

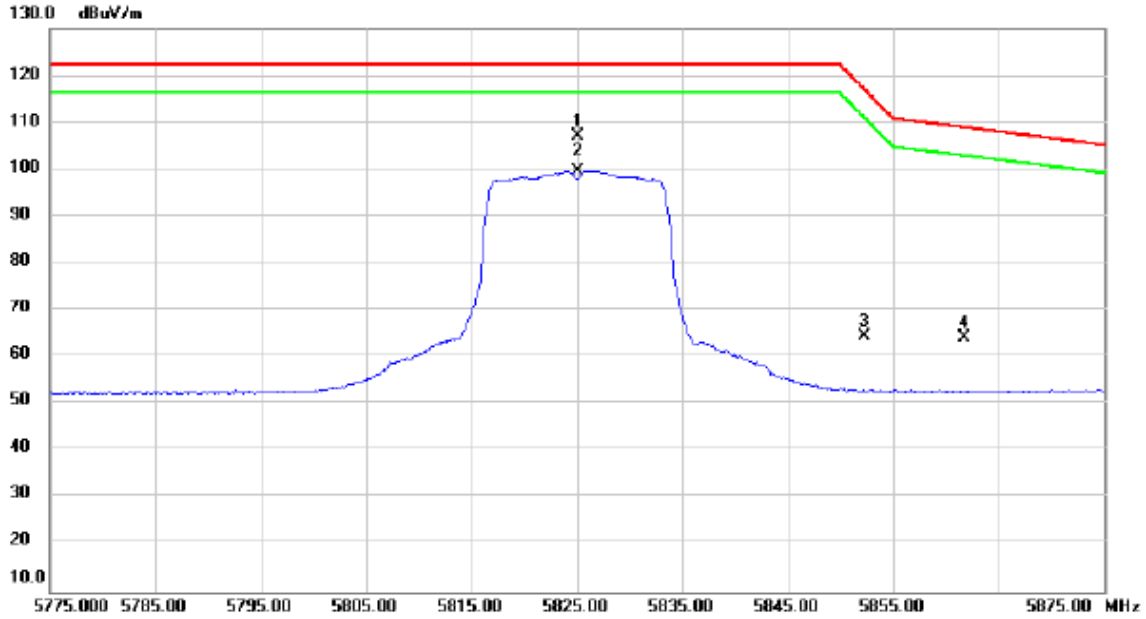
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5785.000	74.18	38.64	112.82	122.20	-9.38	peak	No Limit
2		5785.000	66.27	38.64	104.91	122.20	-17.29	AVG	No Limit

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

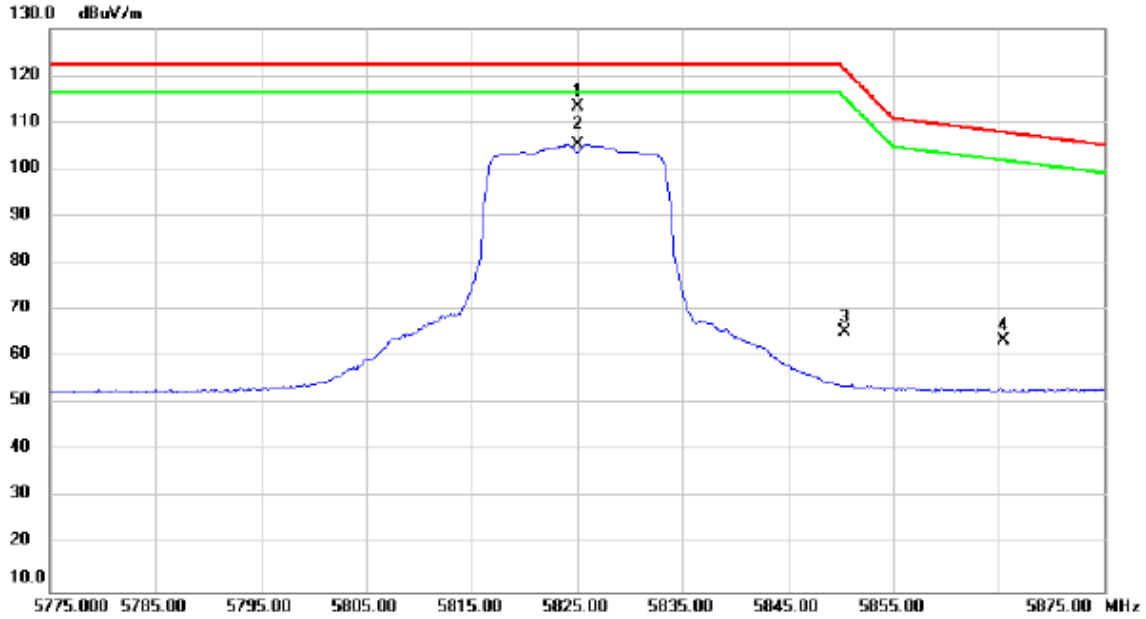
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5825.000	68.46	38.74	107.20	122.20	-15.00	peak	No Limit
2		5825.000	60.82	38.74	99.56	122.20	-22.64	AVG	No Limit
3		5852.315	25.59	38.80	64.39	116.92	-52.53	peak	
4		5861.740	25.33	38.84	64.17	108.91	-44.74	peak	

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

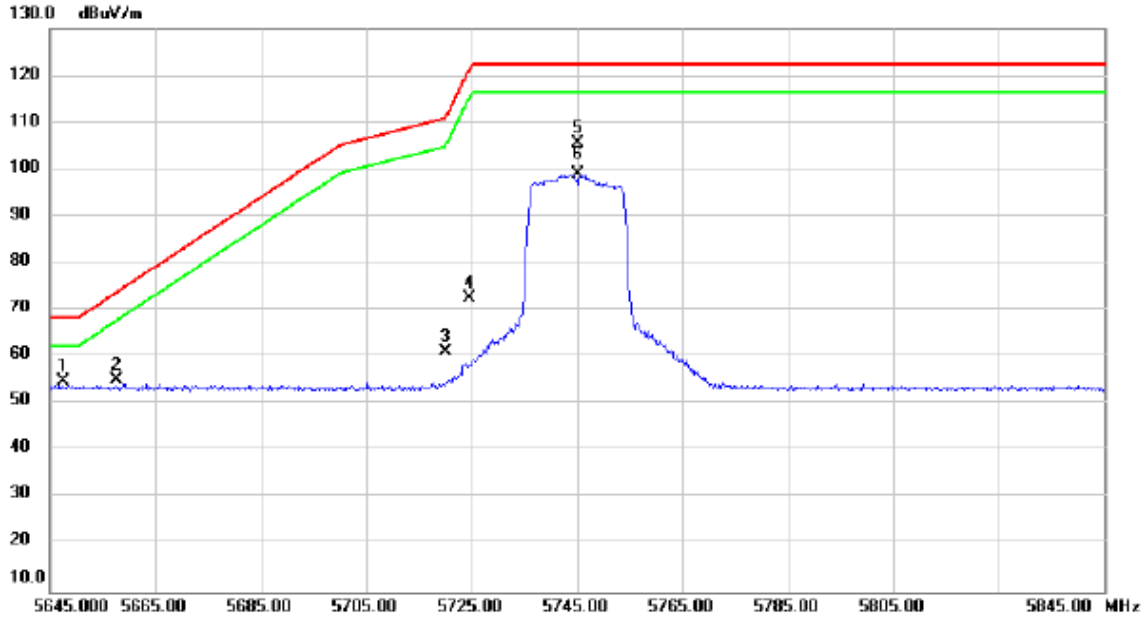
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5825.000	74.47	38.74	113.21	122.20	-8.99	peak	No Limit
2		5825.000	66.57	38.74	105.31	122.20	-16.89	AVG	No Limit
3		5850.425	26.53	38.80	65.33	121.23	-55.90	peak	
4		5865.420	24.79	38.84	63.63	107.88	-44.25	peak	

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

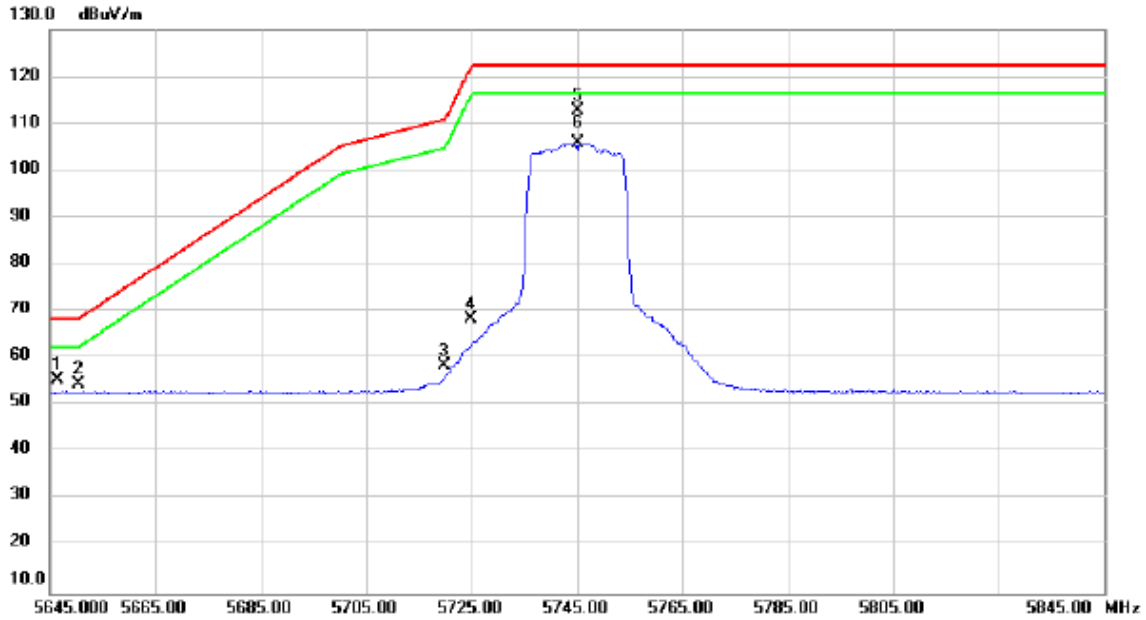
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5647.610	16.47	38.30	54.77	68.20	-13.43	peak	
2		5657.650	16.98	38.32	55.30	73.86	-18.56	peak	
3		5719.940	22.65	38.48	61.13	110.78	-49.65	peak	
4		5724.645	34.16	38.48	72.64	121.39	-48.75	peak	
5		5745.000	67.05	38.53	105.58	122.20	-16.62	peak	No Limit
6		5745.000	60.28	38.53	98.81	122.20	-23.39	AVG	No Limit

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

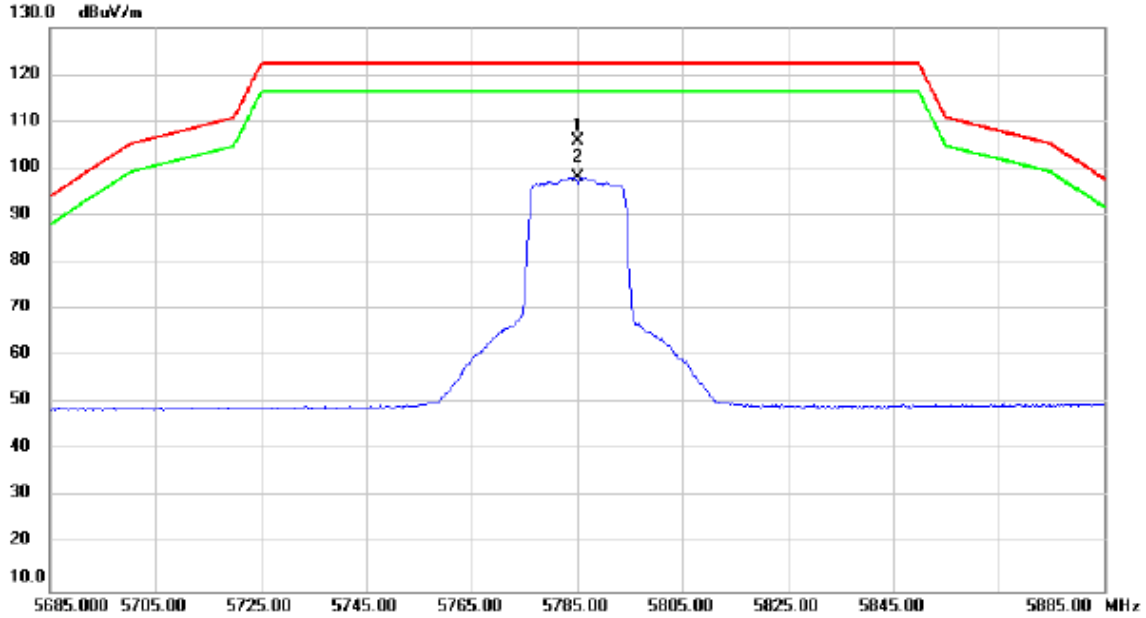
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5646.570	17.02	38.29	55.31	68.20	-12.89	peak	
2		5650.400	16.28	38.30	54.58	68.50	-13.92	peak	
3		5719.820	19.96	38.48	58.44	110.75	-52.31	peak	
4		5724.985	29.92	38.48	68.40	122.17	-53.77	peak	
5	*	5745.000	74.12	38.53	112.65	122.20	-9.55	peak	No Limit
6		5745.000	67.27	38.53	105.80	122.20	-16.40	AVG	No Limit

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

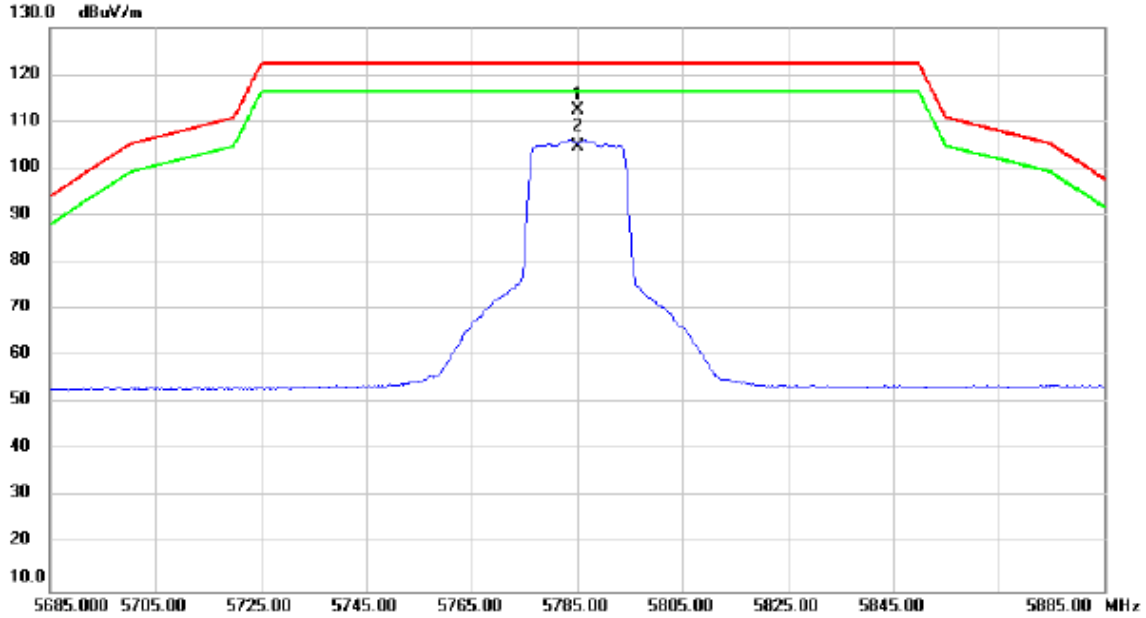
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5785.000	67.11	38.64	105.75	122.20	-16.45	peak	No Limit
2		5785.000	59.52	38.64	98.16	122.20	-24.04	AVG	No Limit

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

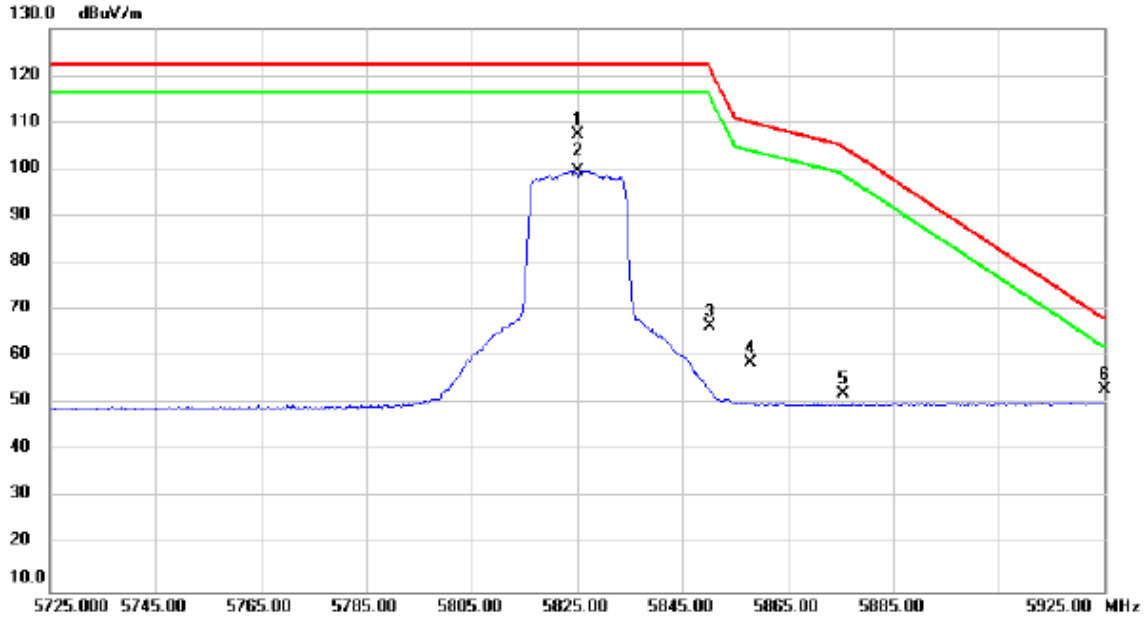
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5785.000	73.80	38.64	112.44	122.20	-9.76	peak	No Limit
2		5785.000	66.03	38.64	104.67	122.20	-17.53	AVG	No Limit

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

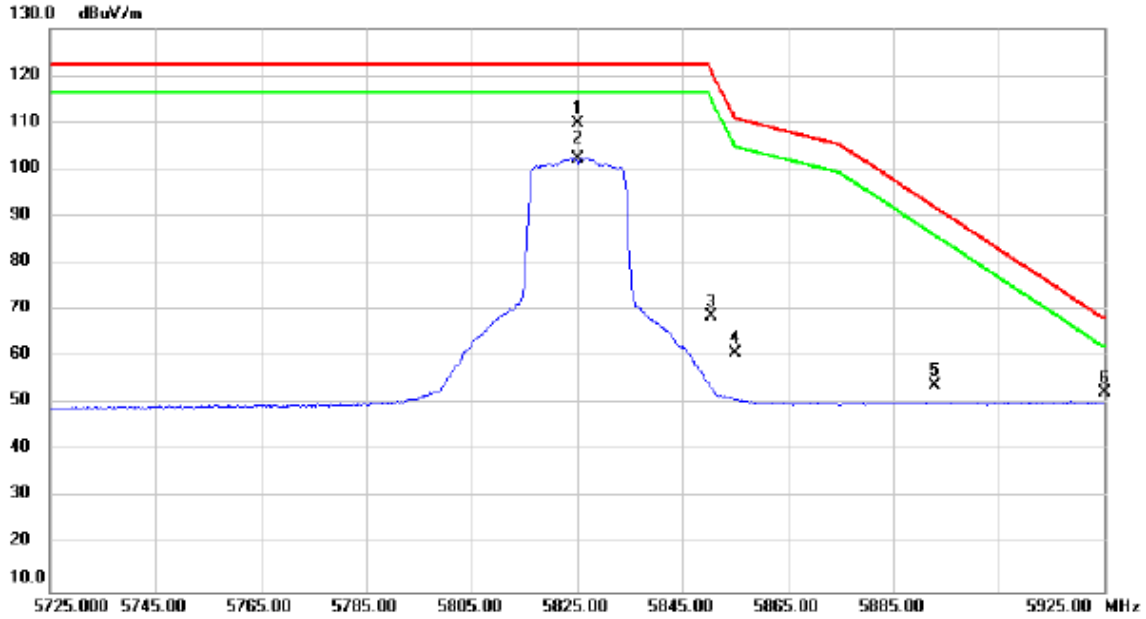
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5825.000	68.51	38.74	107.25	122.20	-14.95	peak	No Limit
2		5825.000	60.90	38.74	99.64	122.20	-22.56	AVG	No Limit
3		5850.075	27.62	38.80	66.42	122.03	-55.61	peak	
4		5857.860	19.84	38.82	58.66	110.00	-51.34	peak	
5		5875.600	13.40	38.87	52.27	104.76	-52.49	peak	
6		5925.000	14.09	39.00	53.09	68.20	-15.11	peak	

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

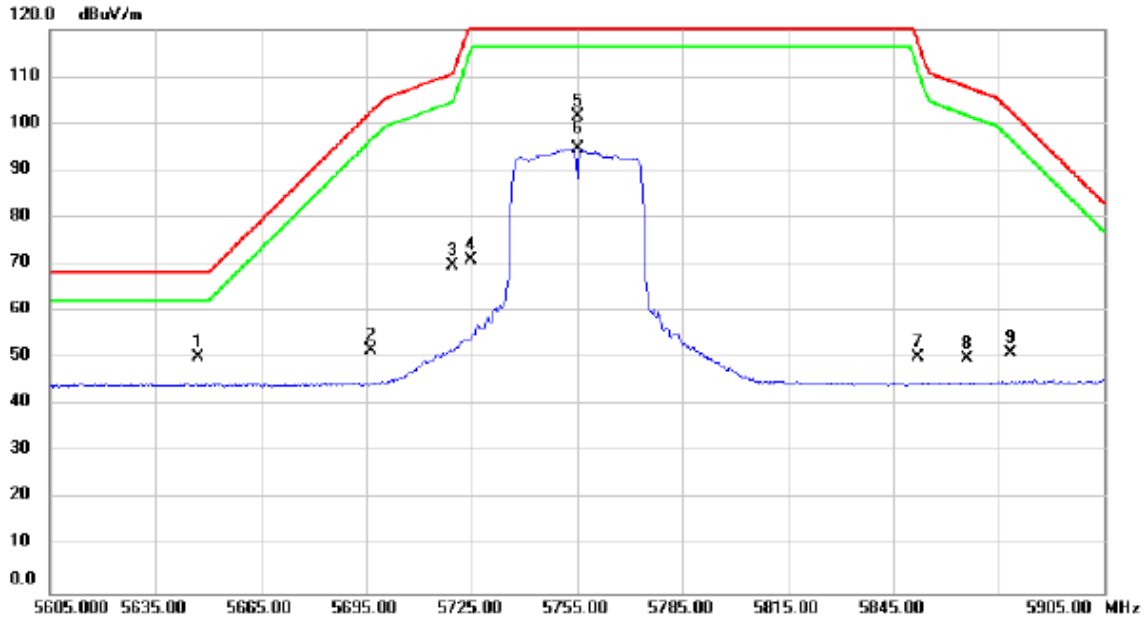
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5825.000	71.13	38.74	109.87	122.20	-12.33	peak	No Limit
2		5825.000	63.57	38.74	102.31	122.20	-19.89	AVG	No Limit
3		5850.345	29.87	38.80	68.67	121.41	-52.74	peak	
4		5855.120	22.15	38.82	60.97	110.77	-49.80	peak	
5		5892.950	15.13	38.91	54.04	91.92	-37.88	peak	
6		5925.000	13.47	39.00	52.47	68.20	-15.73	peak	

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

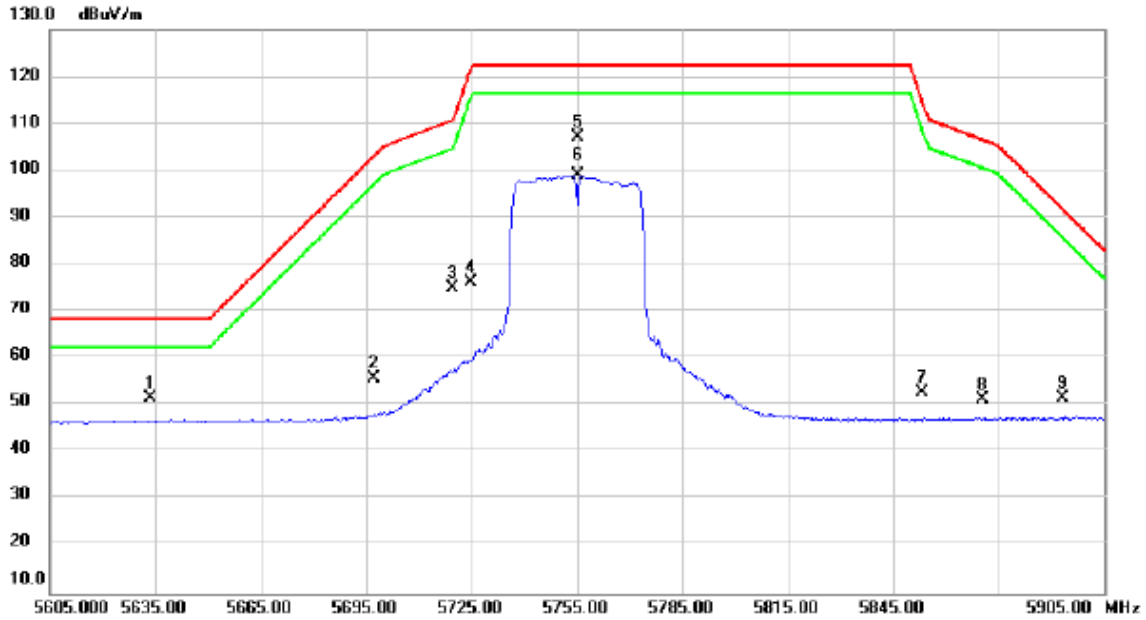
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5647.075	12.10	38.29	50.39	68.20	-17.81	peak	
2		5696.550	13.26	38.42	51.68	102.65	-50.97	peak	
3		5719.560	31.30	38.48	69.78	110.68	-40.90	peak	
4		5724.955	32.44	38.48	70.92	122.10	-51.18	peak	
5		5755.000	62.85	38.57	101.42	122.20	-20.78	peak	No Limit
6		5755.000	56.16	38.57	94.73	122.20	-27.47	AVG	No Limit
7		5852.145	11.59	38.80	50.39	117.31	-66.92	peak	
8		5866.120	11.11	38.84	49.95	107.69	-57.74	peak	
9		5878.390	12.16	38.87	51.03	102.69	-51.66	peak	

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

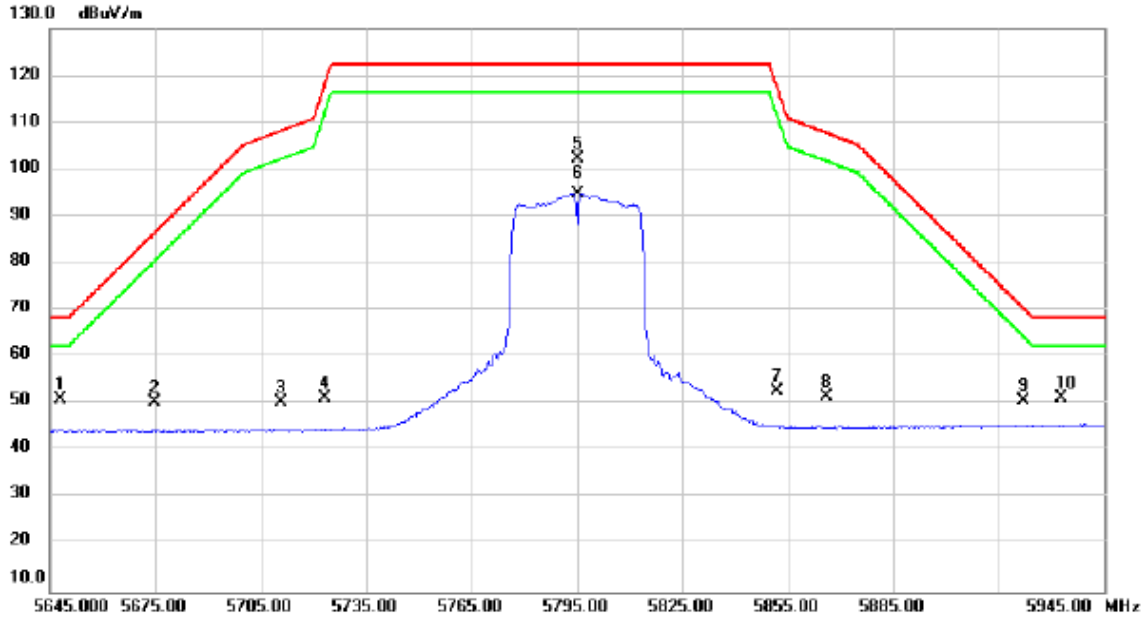
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5633.575	13.26	38.26	51.52	68.20	-16.68	peak	
2		5697.350	17.33	38.42	55.75	103.24	-47.49	peak	
3		5719.460	36.60	38.48	75.08	110.65	-35.57	peak	
4		5724.990	37.58	38.48	76.06	122.18	-46.12	peak	
5	*	5755.000	68.45	38.57	107.02	122.20	-15.18	peak	No Limit
6		5755.000	60.51	38.57	99.08	122.20	-23.12	AVG	No Limit
7		5853.330	13.88	38.81	52.69	114.61	-61.92	peak	
8		5870.340	12.38	38.85	51.23	106.50	-55.27	peak	
9		5893.000	12.57	38.91	51.48	91.88	-40.40	peak	

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

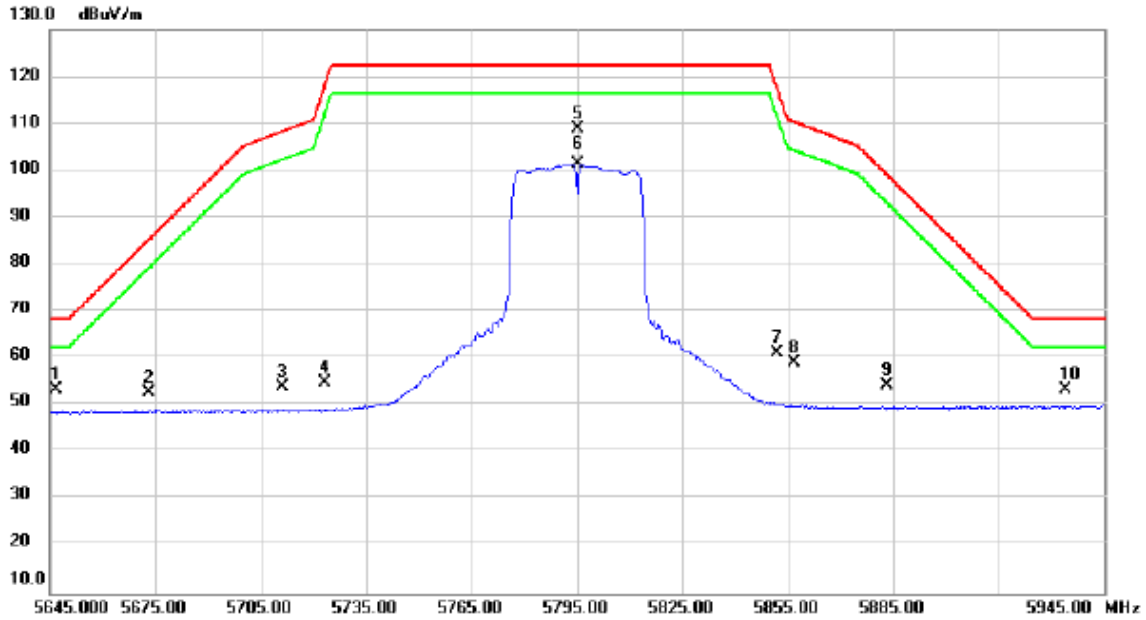
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5647.915	12.68	38.30	50.98	68.20	-17.22	peak	
2		5674.800	12.01	38.36	50.37	86.55	-36.18	peak	
3		5710.840	11.87	38.46	50.33	108.24	-57.91	peak	
4		5723.165	12.76	38.48	51.24	118.02	-66.78	peak	
5		5795.000	63.53	38.66	102.19	122.20	-20.01	peak	No Limit
6		5795.000	56.21	38.66	94.87	122.20	-27.33	AVG	No Limit
7		5852.065	13.93	38.80	52.73	117.49	-64.76	peak	
8		5866.120	12.84	38.84	51.68	107.69	-56.01	peak	
9		5921.900	11.70	38.98	50.68	70.49	-19.81	peak	
10	*	5932.760	12.20	39.01	51.21	68.20	-16.99	peak	

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

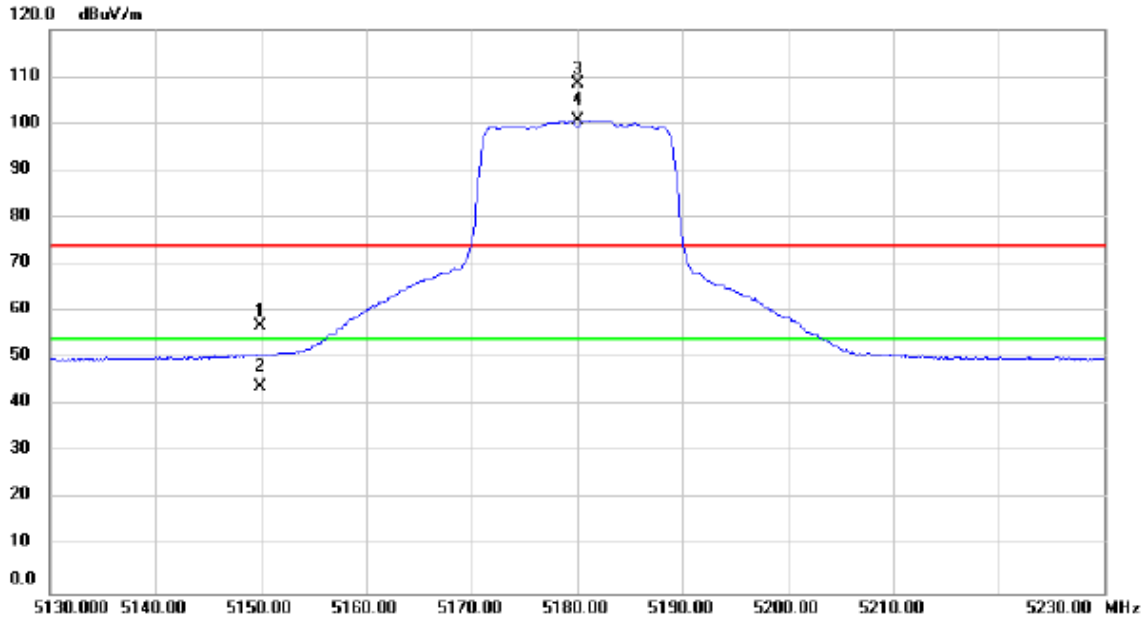
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5646.800	14.96	38.29	53.25	68.20	-14.95	peak	
2		5673.150	14.42	38.35	52.77	85.33	-32.56	peak	
3		5711.020	15.50	38.46	53.96	108.29	-54.33	peak	
4		5723.375	16.52	38.48	55.00	118.50	-63.50	peak	
5	*	5795.000	70.31	38.66	108.97	122.20	-13.23	peak	No Limit
6		5795.000	62.81	38.66	101.47	122.20	-20.73	AVG	No Limit
7		5852.115	22.27	38.80	61.07	117.38	-56.31	peak	
8		5856.780	20.09	38.82	58.91	110.30	-51.39	peak	
9		5883.200	15.28	38.89	54.17	99.13	-44.96	peak	
10		5934.140	14.19	39.02	53.21	68.20	-14.99	peak	

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

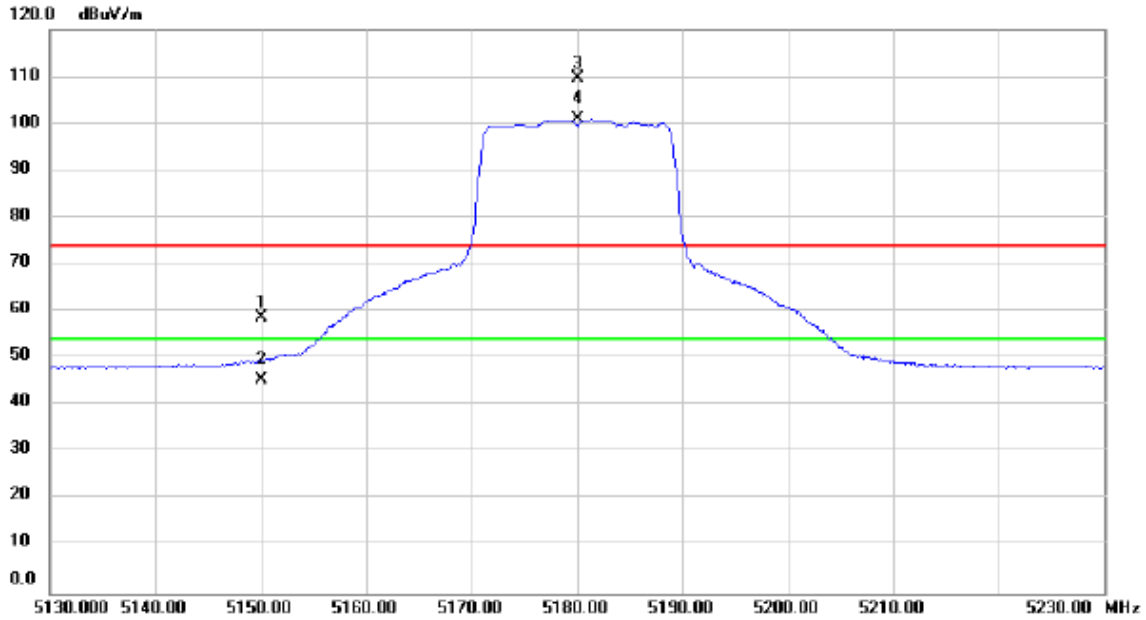
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5149.920	19.34	37.47	56.81	74.00	-17.19	peak	
2		5149.920	6.60	37.47	44.07	54.00	-9.93	AVG	
3	X	5180.000	70.97	37.51	108.48	74.00	34.48	peak	No Limit
4	*	5180.000	63.18	37.51	100.69	54.00	46.69	AVG	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		5150.000	21.05	37.47	58.52	74.00	-15.48	peak	
2		5150.000	7.85	37.47	45.32	54.00	-8.68	AVG	
3	X	5180.000	72.02	37.51	109.53	74.00	35.53	peak	No Limit
4	*	5180.000	63.30	37.51	100.81	54.00	46.81	AVG	No Limit