

FCC Radio Test Report

FCC ID: OFJCW-F25-140401

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

Project No. : 1405C020
Equipment : Wireless Video Transmission System
Model Name : CW-F25; CW-F25 TX; CW-F25 RX
Applicant : IDX Company, Ltd.
Address : 6-28-11 Shukugawara, Tama-ku, Kawasaki-shi
Kanagawa-ken, Japan

Date of Receipt : May 06, 2014
Date of Test : May 06, 2014~ Nov. 11, 2014
Issued Date : Nov. 12, 2014
Tested by : BTL Inc.

Testing Engineer : David Mao
(David Mao)

Technical Manager : Leo Hung
(Leo Hung)

Authorized Signatory : Steven Lu
(Steven Lu)

B T L I N C .

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan,
Guangdong, China.

TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

Declaration

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

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 reports must not be used by the client to claim product endorsement by the authorities or any agency of the 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
1 . CERTIFICATION	7
2 . SUMMARY OF TEST RESULTS	8
2.1 TEST FACILITY	9
2.2 MEASUREMENT UNCERTAINTY	9
3 . GENERAL INFORMATION	10
3.1 GENERAL DESCRIPTION OF EUT	10
3.2 DESCRIPTION OF TEST MODES	13
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING	14
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	15
3.5 DESCRIPTION OF SUPPORT UNITS	15
4 . EMC EMISSION TEST	16
4.1 CONDUCTED EMISSION MEASUREMENT	16
4.1.1 POWER LINE CONDUCTED EMISSION	16
4.1.2 TEST PROCEDURE	16
4.1.3 DEVIATION FROM TEST STANDARD	16
4.1.4 TEST SETUP	17
4.1.5 EUT OPERATING CONDITIONS	17
4.1.6 EUT TEST CONDITIONS	17
4.1.7 TEST RESULTS	17
4.2 RADIATED EMISSION MEASUREMENT	18
4.2.1 RADIATED EMISSION LIMITS	18
4.2.2 TEST PROCEDURE	19
4.2.3 DEVIATION FROM TEST STANDARD	19
4.2.4 TEST SETUP	19
4.2.5 EUT OPERATING CONDITIONS	20
4.2.6 EUT TEST CONDITIONS	20
4.2.7 TEST RESULTS (9K TO 30MHz)	21
4.2.8 TEST RESULTS (30 TO 1000 MHz)	21
4.2.9 TEST RESULTS (ABOVE 1000 MHz)	21
5 . 26dB SPECTRUM BANDWIDTH	22
5.1 APPLIED PROCEDURES / LIMIT	22
5.1.1 TEST PROCEDURE	22
5.1.2 DEVIATION FROM STANDARD	22
5.1.3 TEST SETUP	22
5.1.4 EUT OPERATION CONDITIONS	22
5.1.5 EUT TEST CONDITIONS	23
5.1.6 TEST RESULTS	23
6 . MAXIMUM CONDUCTED OUTPUT POWER	24

Table of Contents	Page
6.1 APPLIED PROCEDURES / LIMIT	24
6.1.1 TEST PROCEDURE	24
6.1.2 DEVIATION FROM STANDARD	25
6.1.3 TEST SETUP	25
6.1.4 EUT OPERATION CONDITIONS	25
6.1.5 EUT TEST CONDITIONS	25
6.1.6 TEST RESULTS	25
7 . ANTENNA CONDUCTED SPURIOUS EMISSION	26
7.1 APPLIED PROCEDURES / LIMIT	26
7.1.1 TEST PROCEDURE	26
7.1.2 DEVIATION FROM STANDARD	26
7.1.3 TEST SETUP	26
7.1.4 EUT OPERATION CONDITIONS	26
7.1.5 EUT TEST CONDITIONS	26
7.1.6 TEST RESULTS	26
8 . POWER SPECTRAL DENSITY TEST	27
8.1 APPLIED PROCEDURES / LIMIT	27
8.1.1 TEST PROCEDURE	27
8.1.1 DEVIATION FROM STANDARD	28
8.1.2 TEST SETUP	28
8.1.3 EUT OPERATION CONDITIONS	28
8.1.4 EUT TEST CONDITIONS	28
8.1.5 TEST RESULTS	28
9 . FREQUENCY STABILITY MEASUREMENT	29
9.1 APPLIED PROCEDURES / LIMIT	29
9.1.1 TEST PROCEDURE	29
9.1.2 DEVIATION FROM STANDARD	29
9.1.3 TEST SETUP	30
9.1.4 EUT OPERATION CONDITIONS	30
9.1.5 EUT TEST CONDITIONS	30
9.1.6 TEST RESULTS	30
10 . MEASUREMENT INSTRUMENTS LIST	31
11 . EUT TEST PHOTOS	33
ATTACHMENT A - CONDUCTED EMISSION	40
ATTACHMENT B - RADIATED EMISSION (9KHZ TO 30MHZ)	43
ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)	46
ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)	75
ATTACHMENT E - BANDWIDTH	132

Table of Contents	Page
ATTACHMENT F - MAXIMUM OUTPUT POWER	139
ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION	144
ATTACHMENT H - POWER SPECTRAL DENSITY	157
ATTACHMENT I - FREQUENCY STABILITY	185

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1405C020	Original Issue.	Nov. 12, 2014

1. CERTIFICATION

Equipment : Wireless Video Transmission System
Brand Name : CAM~WAVE
Model Name : CW-F25; CW-F25 TX;CW-F25 RX
Applicant : IDX Company, Ltd.
Manufacturer : Shenzhen Crystal Video Technology Co.,LTD.
Address : F13,F518 Idea Land, Baoyuan Road, Baoan Central Area, Shenzhen, China
Factory : Shenzhen Crystal Video Technology Co.,LTD.
Address : F13,F518 Idea Land, Baoyuan Road, Baoan Central Area, Shenzhen, China
Date of Test : May 06, 2014~ Nov. 12, 2014
Test Sample : ENGINEERING SAMPLE
Standard(s) : FCC Part15, Subpart E(15.407) / ANSI C63.4: 2009
FCC KDB 789033 D01 General UNII Test Procedures Old Rules v01r04

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1405C020) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

NOTE:

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

(2) FCC KDB 789033 D01 General UNII Test Procedures Old Rules v01r04 .

2.1 TEST FACILITY

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

2.2 MEASUREMENT UNCERTAINTY

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

A. Conducted Measurement:

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

B. Radiated Measurement:

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless Video Transmission System	
Brand Name	CAM~WAVE	
Model Name	CW-F25;CW-F25 TX;CW-F25 RX	
Mode Different	Only differ in model name.	
Product Description	Operation Frequency	UNII-1: 5150-5250MHz UNII-2A: 5250-5350MHz UNII-2C: 5470-5725MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	300Mbps
	Output Power (Max.)for UNII-1	802.11n (40M): 16.84dBm
	Output Power (Max.)for UNII-2A	802.11n (40M): 16.18dBm
	Output Power (Max.)for UNII-2C	802.11n (40M): 17.59dBm
Power Source	DC Voltage supplied from AC/DC adapter. Brand/model:DVE/DSA-12PFG-12FEU 120100	
Power Rating	I/P:100-240V 50/60Hz 0.5A O/P:DC 12V/1A	

Note:

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

2. Channel List:

802.11n 40MHz					
UNII-1		UNII-2A		UNII-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	54	5270	102	5510
46	5230	62	5310	110	5550
				118	5590
				134	5670

3. Antenna Specification:

Group 1 of Dipole Antenna

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Note
A	Wanshih Electronic Co., Ltd.	WA1R5847A	Dipole	N/A	2.0	
B	Wanshih Electronic Co., Ltd.	WA1R5847A	Dipole	N/A	2.0	
C	Wanshih Electronic Co., Ltd.	WA1R5847A	Dipole	N/A	2.0	
D	Wanshih Electronic Co., Ltd.	WA1R5847A	Dipole	N/A	2.0	

Group 2 of MIMO Panel Antenna

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Note
A	IDX	TCTD5800-18M20M	MIMO Panel Antenna	N/A	18	Note(2)
B	IDX	TCTD5800-18M20M	MIMO Panel Antenna	N/A	18	Note(2)
C	IDX	TCTD5800-18M20M	MIMO Panel Antenna	N/A	18	Note(2)
D	IDX	TCTD5800-18M20M	MIMO Panel Antenna	N/A	18	Note(2)

Note:(1) The EUT incorporates a MIMO function. Physically, the EUT provides four completed four transmitters and four receivers (4T4R).

(2) For Group 2 of MIMO Panel Antenna gain, customer sells product with attenuating pad and 3 meter of cable, attenuating pad will loss 20dBi gain, 3 meter of cable will loss 3 dBi gain, so the final evaluated of gain is -5dBi.

4.

Operating Mode	4TX
TX Mode	
802.11n (40MHz)	V (ANT A + ANT B + ANT C+ANT D)

3.2 DESCRIPTION OF TEST MODES

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

Pretest Test Mode	Description
Mode 1	TX N40 Mode / CH38, CH46 (UNII-1)
Mode 2	TX N40 Mode / CH54, CH62 (UNII-2A)
Mode 3	TX N40 Mode / CH102, CH110, CH134 (UNII-2C)
Mode 4	TX Mode

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

For Conducted Test	
Final Test Mode	Description
Mode 4	TX Mode

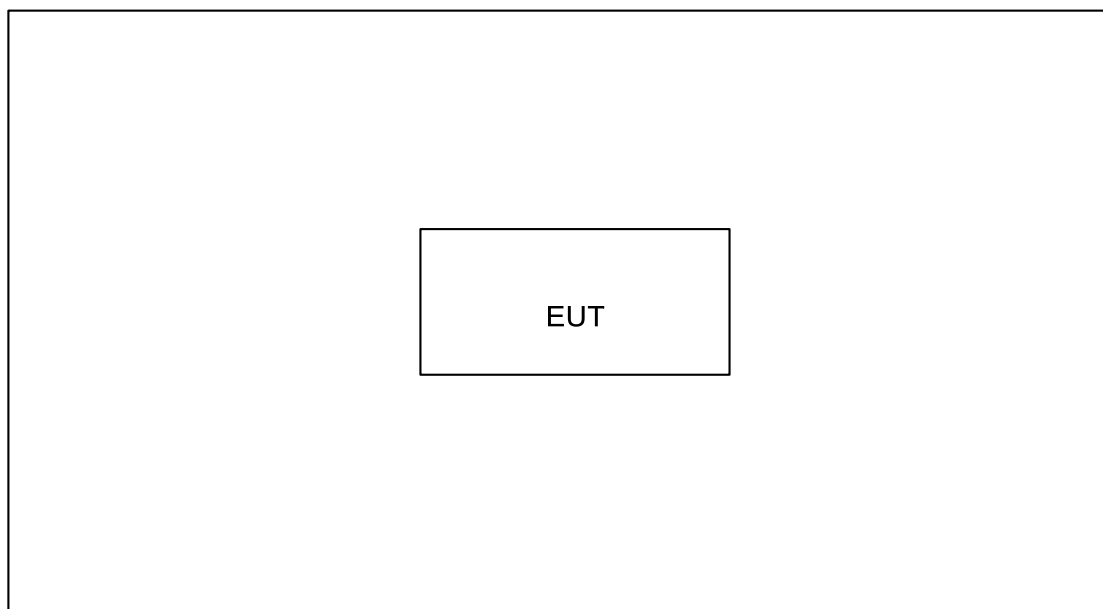
For Radiated Test	
Final Test Mode	Description
Mode 1	TX N40 Mode / CH38, CH46 (UNII-1)
Mode 2	TX N40 Mode / CH54, CH62 (UNII-2A)
Mode 3	TX N40 Mode / CH102, CH110, CH134 (UNII-2C)

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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

Test Software Version	N/A			
UNII-1	Frequency (MHz)	5190	5230	
	N40 Mode	11	11	
UNII-2A	Frequency (MHz)	5270	5310	
	N40 Mode	11	11	
UNII-2C	Frequency (MHz)	5510	5550	5670
	N40 Mode	11	13	13

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
-	-	-	-	-	-	

Item	Shielded Type	Ferrite Core	Length	Note
-	-	-	-	

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

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

Note:

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

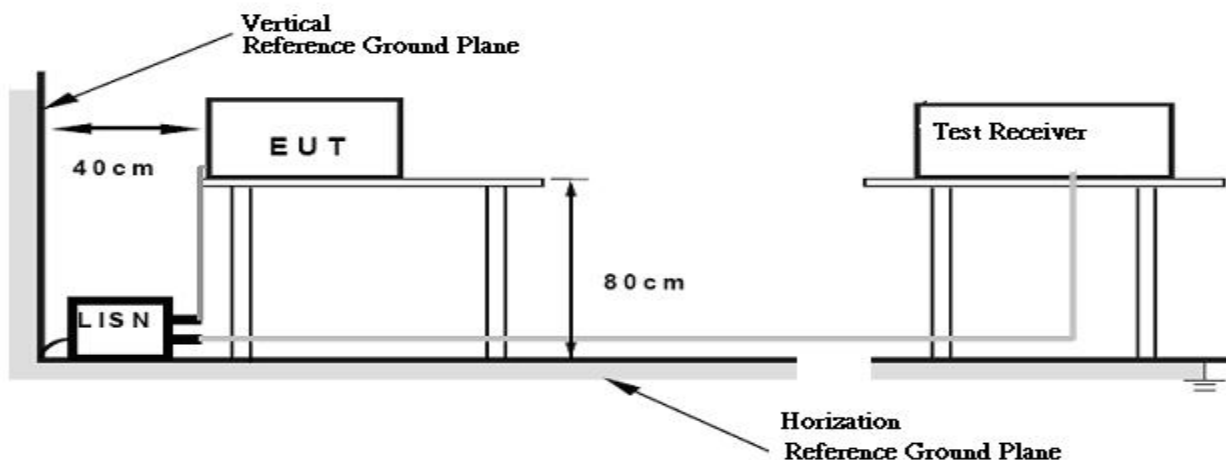
4.1.2 TEST PROCEDURE

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



4.1.5 EUT OPERATING CONDITIONS

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

The EUT was programmed to be in continuously transmitting/TX Mode mode.

4.1.6 EUT TEST CONDITIONS

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

4.1.7 TEST RESULTS

Please refer to the Attachment A.

Remark:

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

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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

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

Note:

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

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
5250-5350	-27	68.3
5470-5725	-27	68.3

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

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

4.2.2 TEST PROCEDURE

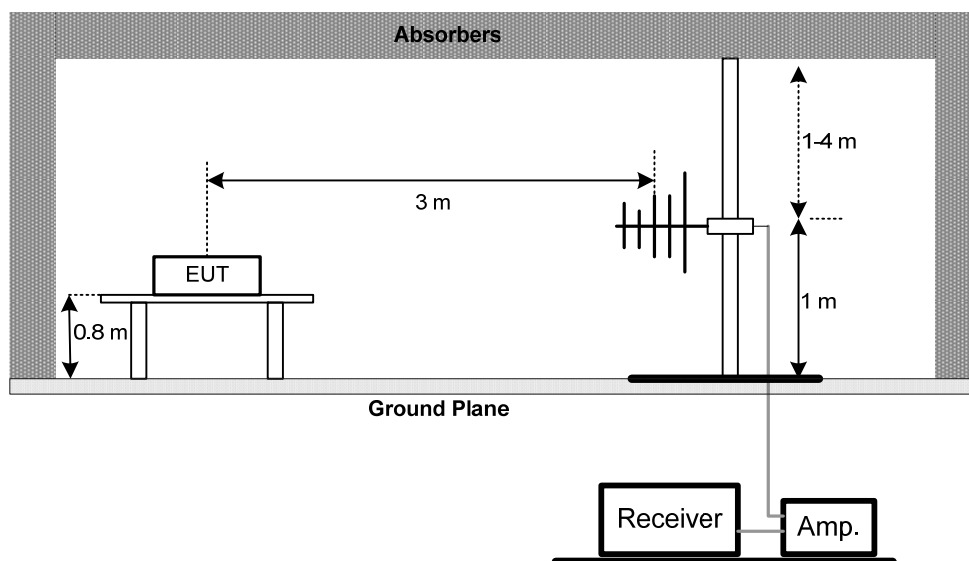
- The measuring distance of at 3m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated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

4.2.3 DEVIATION FROM TEST STANDARD

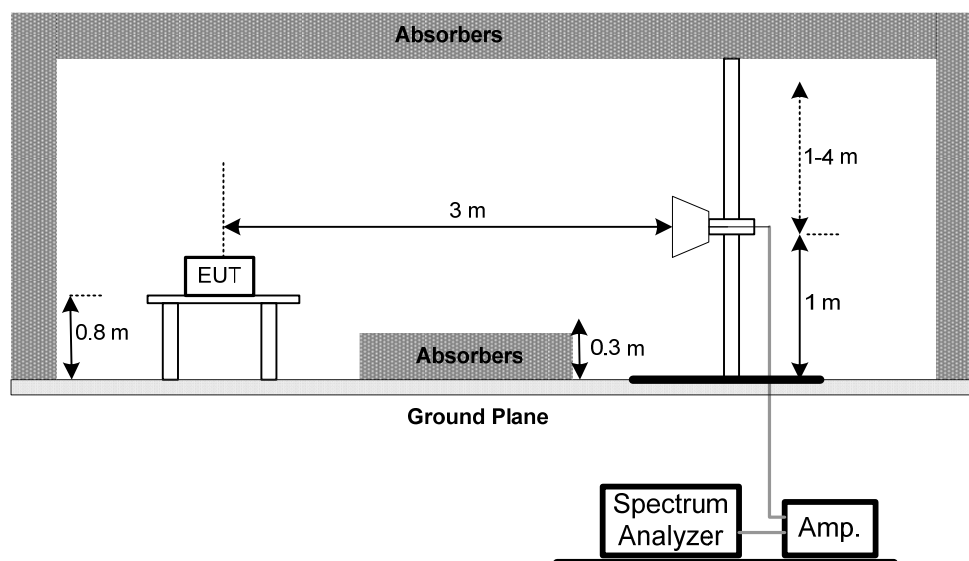
No deviation

4.2.4 TEST SETUP

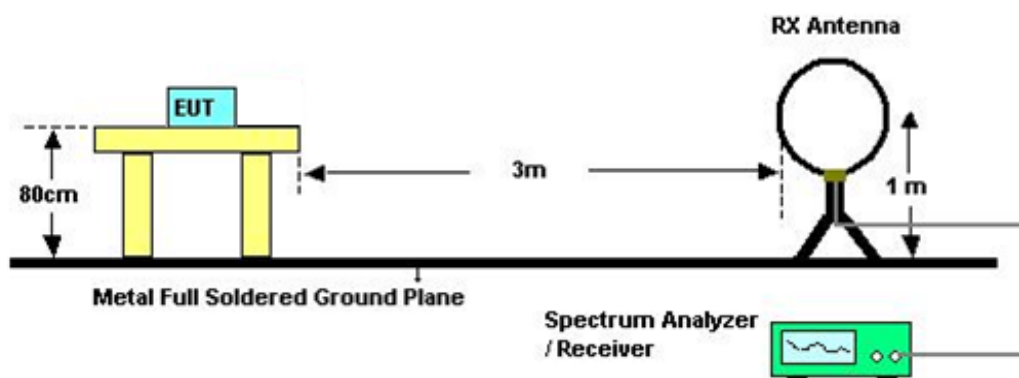
(A) Radiated Emission Test Set-Up Frequency 30 - 1000MHz



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



(C) Radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

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

4.2.6 EUT TEST CONDITIONS

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

4.2.7 TEST RESULTS (9K TO 30MHz)

Please refer to the Attachment B

Remark:

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

4.2.8 TEST RESULTS (30 TO 1000 MHz)

Please refer to the Attachment C.

Remark:

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

4.2.9 TEST RESULTS (ABOVE 1000 MHz)

Please refer to the Attachment D.

Remark:

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

5. 26dB SPECTRUM BANDWIDTH

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Bandwidth	26 dB Bandwidth	5150-5250	PASS
		5250-5350	PASS
		5470-5725	PASS

5.1.1 TEST PROCEDURE

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

b.

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

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

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

5.1.5 EUT TEST CONDITIONS

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

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Conducted Output Power	not exceed the lesser of 50 mW (17dBm) or 4 dBm + 10log B,	5150-5250	PASS
	not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log B	5250-5350	
	not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log B	5470-5725	PASS
			PASS

6.1.1 TEST PROCEDURE

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

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

- c. Test was performed in accordance with method of KDB 789033 D01.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

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

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Antenna conducted Spurious Emission	-27dBm/MHz	5150-5250	PASS
		5250-5350	PASS
		5470-5725	PASS

7.1.1 TEST PROCEDURE

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

b.

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

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

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

7.1.5 EUT TEST CONDITIONS

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

7.1.6 TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Power Spectral Density	4dBm/MHz	5150-5250	PASS
	11dBm/MHz	5250-5350	PASS
	11dBm/MHz	5470-5725	PASS

8.1.1 TEST PROCEDURE

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

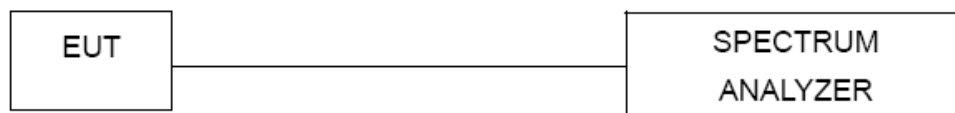
b.

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

8.1.1 DEVIATION FROM STANDARD

No deviation.

8.1.2 TEST SETUP



8.1.3 EUT OPERATION CONDITIONS

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

8.1.4 EUT TEST CONDITIONS

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

8.1.5 TEST RESULTS

Please refer to the Attachment H.

9. FREQUENCY STABILITY MEASUREMENT

9.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Frequency Stability	Specified in the user's manual	5150-5250	PASS
		5250-5350	PASS
		5470-5725	PASS

9.1.1 TEST PROCEDURE

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

b.

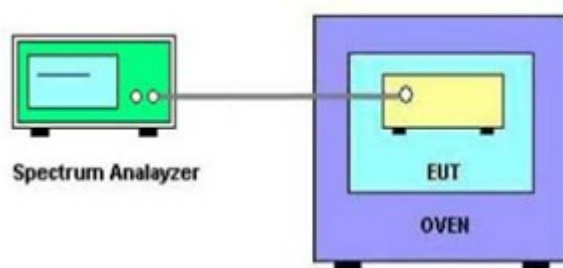
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

- 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~50°C.

9.1.2 DEVIATION FROM STANDARD

No deviation.

9.1.3 TEST SETUP



9.1.4 EUT OPERATION CONDITIONS

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

9.1.5 EUT TEST CONDITIONS

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

9.1.6 TEST RESULTS

Please refer to the Attachment I.

10. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00052765	Mar. 29, 2015
2	LISN	R&S	ENV216	100087	Mar. 29, 2015
3	Test Cable	N/A	C_17	N/A	Mar. 14, 2015
4	EMI TEST RECEIVER	R&S	ESCS30	826547/022	Mar. 29, 2015
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Mar. 29, 2015
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 29, 2015
2	Amplifier	HP	8447D	2944A09673	Mar. 29, 2015
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 30, 2015
4	Test Cable	N/A	C-01_CB03	N/A	Jul. 01, 2015
5	Controller	CT	SC100	N/A	N/A
6	Antenna	ETS	3115	00075789	Mar. 29, 2015
7	Amplifier	Agilent	8449B	3008A02274	Mar. 29, 2015
8	Receiver	AGILENT	N9038A	MY52130039	Sep. 30, 2015
9	Test Cable	HUBER+SUHNER	C-48	N/A	Apr. 30, 2015
10	Controller	CT	SC100	N/A	N/A
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Feb. 22, 2015
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Feb. 22, 2015
13	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Mar. 29, 2015
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

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

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

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

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

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

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

11. EUT TEST PHOTOS

Conducted Measurement Photos



Group 1 of Dipole Antenna

Radiated Measurement Photos

9KHz to 30MHz



Radiated Measurement Photos

30MHz to 1000MHz



Radiated Measurement Photos

Above 1000MHz



Group 2 of MIMO Panel Antenna

Radiated Measurement Photos

9KHz to 30MHz



Radiated Measurement Photos

30MHz to 1000MHz



Radiated Measurement Photos

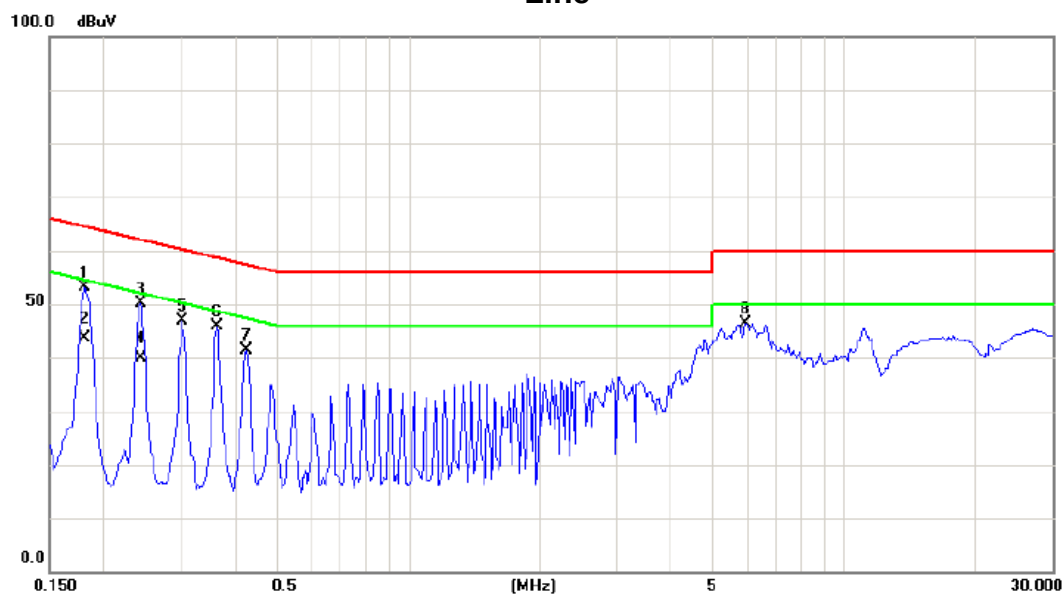
Above 1000MHz



ATTACHMENT A - CONDUCTED EMISSION

Test Mode: TX MODE

Line

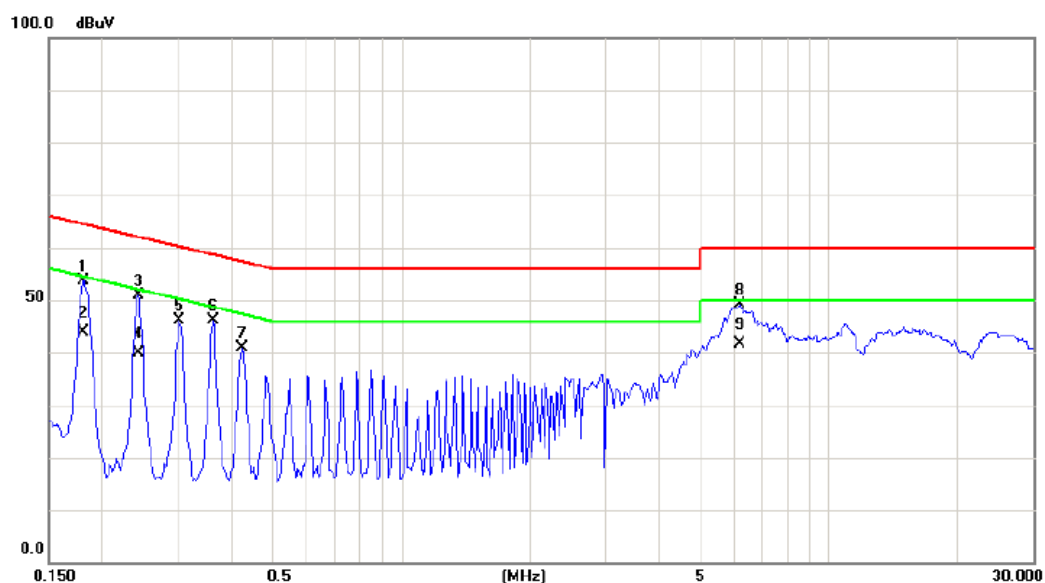


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1812	43.62	9.49	53.11	64.43	-11.32	peak	
2 *	0.1812	34.10	9.49	43.59	54.43	-10.84	AVG	
3	0.2437	40.58	9.50	50.08	61.97	-11.89	peak	
4	0.2437	30.50	9.50	40.00	51.97	-11.97	AVG	
5	0.3023	37.40	9.51	46.91	60.18	-13.27	peak	
6	0.3648	36.32	9.52	45.84	58.62	-12.78	peak	
7	0.4273	31.74	9.53	41.27	57.31	-16.04	peak	
8	5.9492	36.77	9.72	46.49	60.00	-13.51	peak	

Note: The test result has included the cable loss.

Test Mode: TX MODE

Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1812	44.23	9.49	53.72	64.43	-10.71	peak	
2		0.1812	34.30	9.49	43.79	54.43	-10.64	AVG	
3		0.2437	41.48	9.49	50.97	61.97	-11.00	peak	
4		0.2437	30.30	9.49	39.79	51.97	-12.18	AVG	
5		0.3023	36.75	9.50	46.25	60.18	-13.93	peak	
6		0.3648	36.52	9.51	46.03	58.62	-12.59	peak	
7		0.4273	31.44	9.52	40.96	57.31	-16.35	peak	
8		6.1913	39.31	9.73	49.04	60.00	-10.96	peak	
9	*	6.1913	32.00	9.73	41.73	50.00	-8.27	AVG	

Note: The test result has included the cable loss.

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

Group 1 of Dipole Antenna:

Test Mode:	TX MODE
------------	---------

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0094	0°	68.72	24.97	93.69	108.13	-14.44	AVG
0.0095	0°	75.69	24.97	100.66	128.13	-27.47	PEAK
0.0231	0°	43.28	24.10	67.38	100.33	-32.95	AVG
0.0235	0°	51.47	24.10	75.57	120.33	-44.76	PEAK
0.0312	0°	48.39	23.59	71.98	97.72	-25.74	AVG
0.0317	0°	49.65	23.59	73.24	117.72	-44.48	PEAK
0.0424	0°	51.72	22.88	74.60	95.06	-20.46	AVG
0.0425	0°	55.63	22.88	78.51	115.06	-36.55	PEAK
0.4916	0°	17.31	19.82	37.13	73.77	-36.64	QP
1.7158	0°	17.98	19.53	37.51	69.54	-32.03	QP

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0093	90°	73.14	24.30	97.44	128.26	-30.82	AVG
0.0093	90°	81.39	24.30	105.69	148.26	-42.57	PEAK
0.0232	90°	54.87	24.10	78.97	120.29	-41.33	AVG
0.0235	90°	57.16	24.10	81.26	140.29	-59.04	PEAK
0.0316	90°	56.34	23.57	79.91	117.61	-37.71	AVG
0.0319	90°	57.53	23.57	81.10	137.61	-56.52	PEAK
0.0423	90°	58.47	22.89	81.36	115.08	-33.72	AVG
0.0426	90°	62.79	22.89	85.68	135.08	-49.40	PEAK
0.4917	90°	18.31	19.82	38.13	73.77	-35.64	QP
1.7151	90°	19.12	19.53	38.65	69.54	-30.89	QP

Group 2 of MIMO Panel Antenna

Test Mode:	TX MODE
------------	---------

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0094	0°	16.31	24.97	41.28	108.13	-66.85	AVG
0.0095	0°	16.89	24.97	41.86	128.13	-86.27	PEAK
0.0231	0°	7.53	24.10	31.63	100.33	-68.70	AVG
0.0235	0°	8.91	24.10	33.01	120.33	-87.32	PEAK
0.0312	0°	6.54	23.59	30.13	97.72	-67.59	AVG
0.0317	0°	7.43	23.59	31.02	117.72	-86.70	PEAK
0.0424	0°	3.85	22.88	26.73	95.06	-68.33	AVG
0.0425	0°	5.13	22.88	28.01	115.06	-87.05	PEAK
0.4916	0°	18.45	19.82	38.27	73.77	-35.50	QP
1.7158	0°	16.74	19.53	36.27	69.54	-33.27	QP

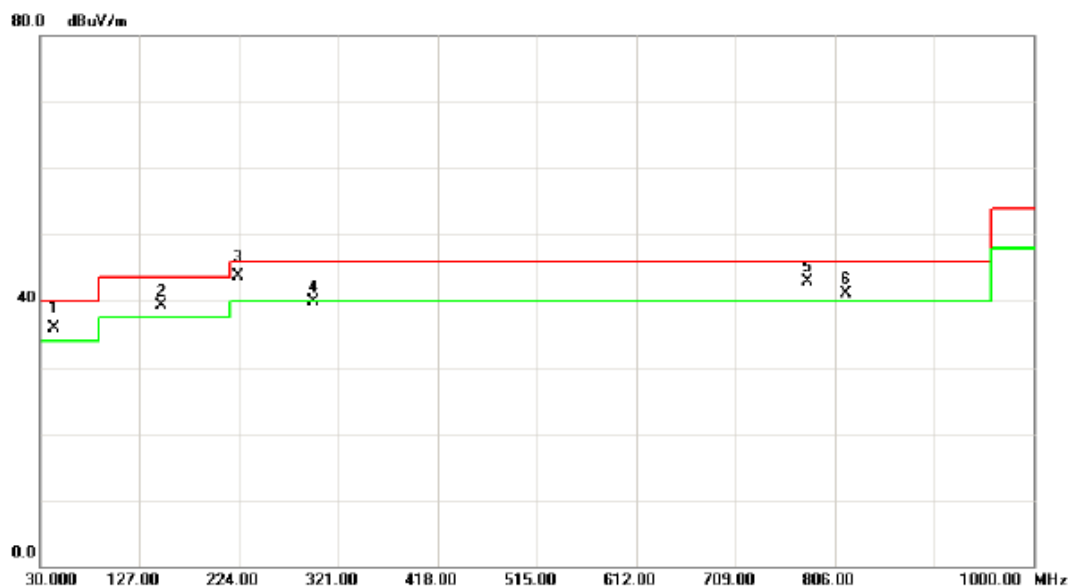
Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0093	90°	15.68	24.30	39.98	128.26	-88.28	AVG
0.0093	90°	16.87	24.30	41.17	148.26	-107.09	PEAK
0.0232	90°	7.91	24.10	32.01	120.29	-88.29	AVG
0.0235	90°	8.76	24.10	32.86	140.29	-107.44	PEAK
0.0316	90°	5.31	23.57	28.88	117.61	-88.74	AVG
0.0319	90°	6.37	23.57	29.94	137.61	-107.68	PEAK
0.0423	90°	3.56	22.89	26.45	115.08	-88.63	AVG
0.0426	90°	4.71	22.89	27.60	135.08	-107.48	PEAK
0.4917	90°	17.23	19.82	37.05	73.77	-36.72	QP
1.7151	90°	18.25	19.53	37.78	69.54	-31.76	QP

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

Group 1 of Dipole Antenna

Test Mode: UNII-1/ TX N40 Mode 5190MHz

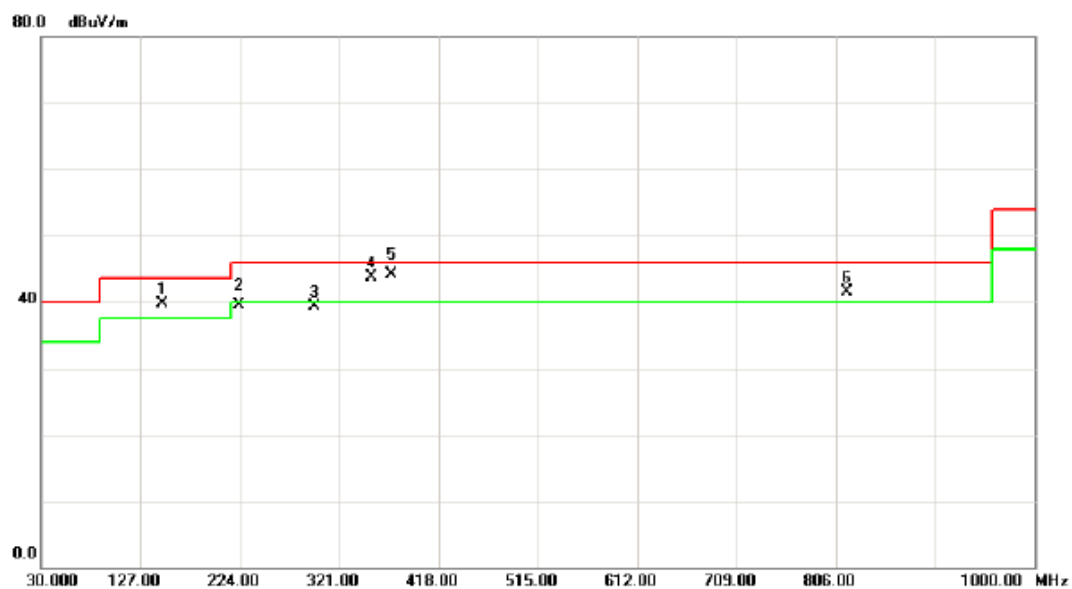
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	43.5800	49.68	-13.74	35.94	40.00	-4.06	QP	
2	!	148.3400	52.55	-13.18	39.37	43.50	-4.13	peak	
3	*	223.0300	58.36	-14.68	43.68	46.00	-2.32	QP	
4		296.7500	50.90	-11.05	39.85	46.00	-6.15	peak	
5	!	779.8100	46.50	-3.60	42.90	46.00	-3.10	peak	
6	!	816.6700	44.02	-2.98	41.04	46.00	-4.96	peak	

Test Mode: UNII-1/ TX N40 Mode 5190MHz

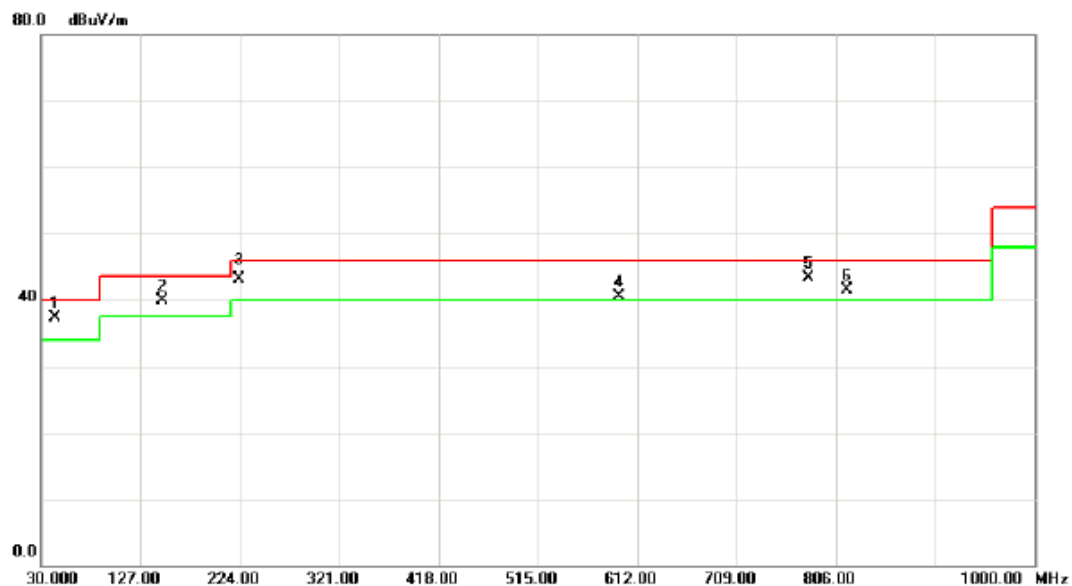
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	148.3400	52.97	-13.18	39.79	43.50	-3.71	peak	
2		223.0300	54.26	-14.68	39.58	46.00	-6.42	QP	
3		296.7500	50.30	-11.05	39.25	46.00	-6.75	peak	
4	!	353.0100	55.27	-11.65	43.62	46.00	-2.38	peak	
5	*	371.4400	54.91	-10.82	44.09	46.00	-1.91	QP	
6	!	816.6700	44.50	-2.98	41.52	46.00	-4.48	peak	

Test Mode: UNII-1/ TX N40 Mode 5230MHz

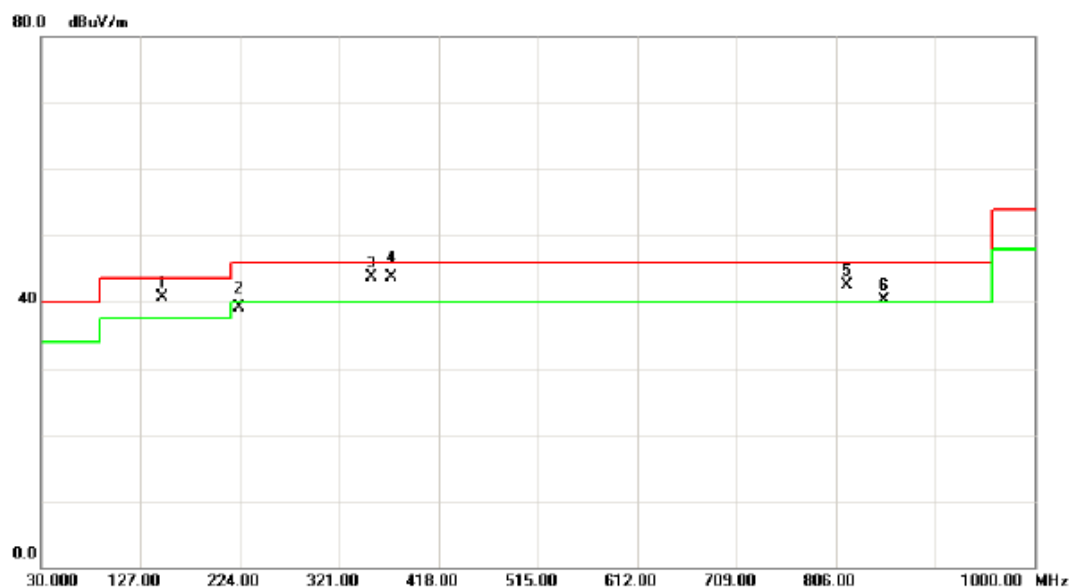
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	43.5800	50.95	-13.74	37.21	40.00	-2.79	peak	
2	!	148.3400	53.05	-13.18	39.87	43.50	-3.63	peak	
3	!	223.0300	57.79	-14.68	43.11	46.00	-2.89	QP	
4	!	594.5400	48.35	-7.91	40.44	46.00	-5.56	peak	
5	*	779.8100	47.00	-3.60	43.40	46.00	-2.60	peak	
6	!	816.6700	44.52	-2.98	41.54	46.00	-4.46	peak	

Test Mode: UNII-1/ TX N40 Mode 5230MHz

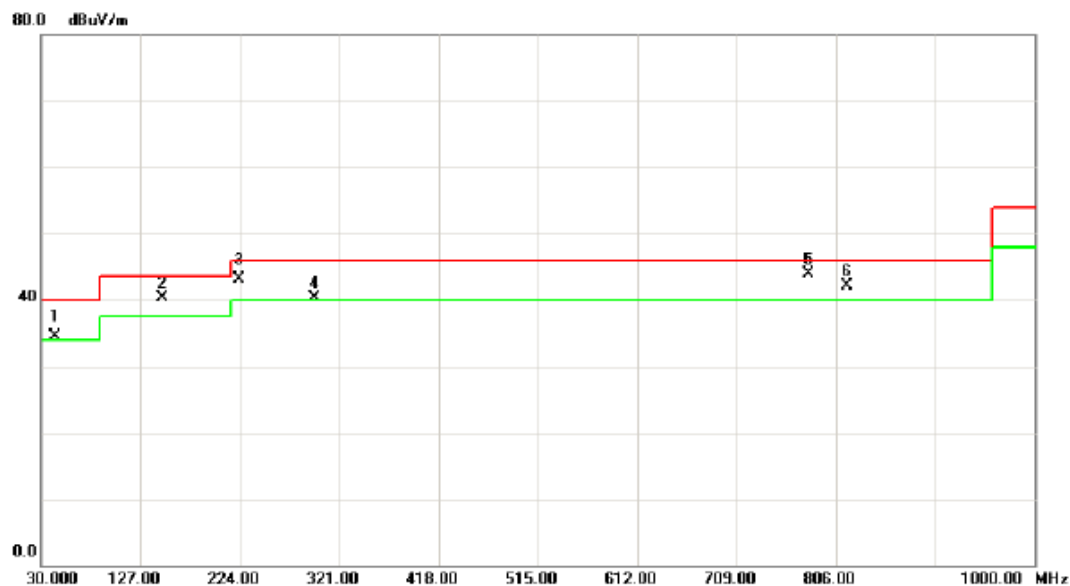
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	148.3400	53.97	-13.18	40.79	43.50	-2.71	peak	
2		223.0300	53.86	-14.68	39.18	46.00	-6.82	QP	
3	!	353.0100	55.27	-11.65	43.62	46.00	-2.38	peak	
4	*	371.4400	54.62	-10.82	43.80	46.00	-2.20	QP	
5	!	816.6700	45.50	-2.98	42.52	46.00	-3.48	peak	
6	!	853.5300	43.34	-3.04	40.30	46.00	-5.70	peak	

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

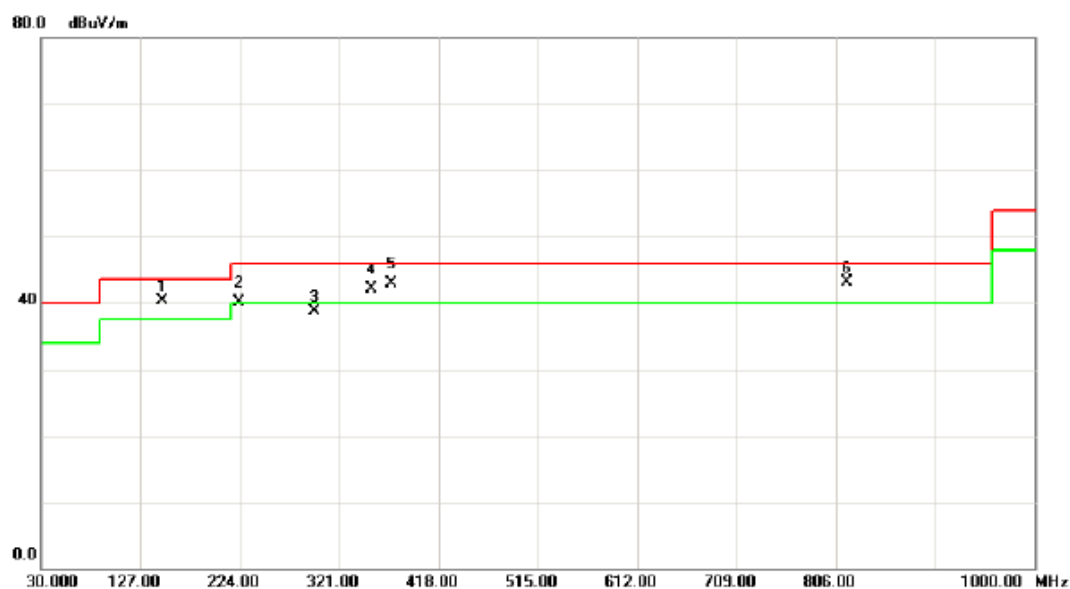
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	43.5800	48.16	-13.74	34.42	40.00	-5.58	QP	
2	!	148.3400	53.55	-13.18	40.37	43.50	-3.13	peak	
3	!	223.0300	57.83	-14.68	43.15	46.00	-2.85	QP	
4	!	296.7500	51.40	-11.05	40.35	46.00	-5.65	peak	
5	*	779.8100	47.50	-3.60	43.90	46.00	-2.10	peak	
6	!	816.6700	45.02	-2.98	42.04	46.00	-3.96	peak	

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

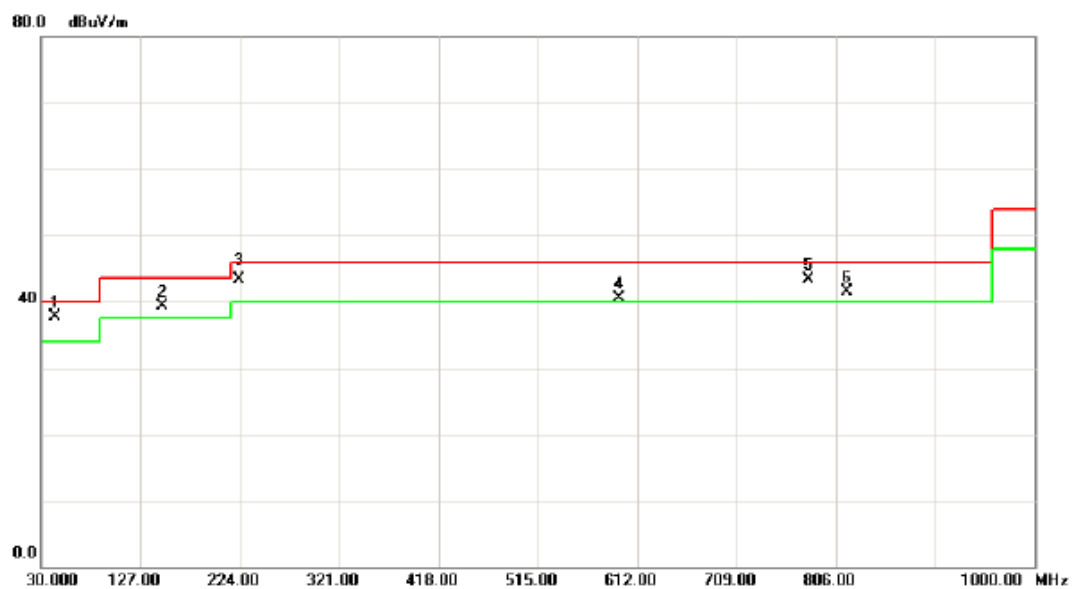
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	148.3400	53.47	-13.18	40.29	43.50	-3.21	peak	
2	!	223.0300	54.83	-14.68	40.15	46.00	-5.85	QP	
3		296.7500	49.80	-11.05	38.75	46.00	-7.25	peak	
4	!	353.0100	53.67	-11.65	42.02	46.00	-3.98	QP	
5	!	371.4400	53.79	-10.82	42.97	46.00	-3.03	QP	
6	*	816.6700	46.00	-2.98	43.02	46.00	-2.98	peak	

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

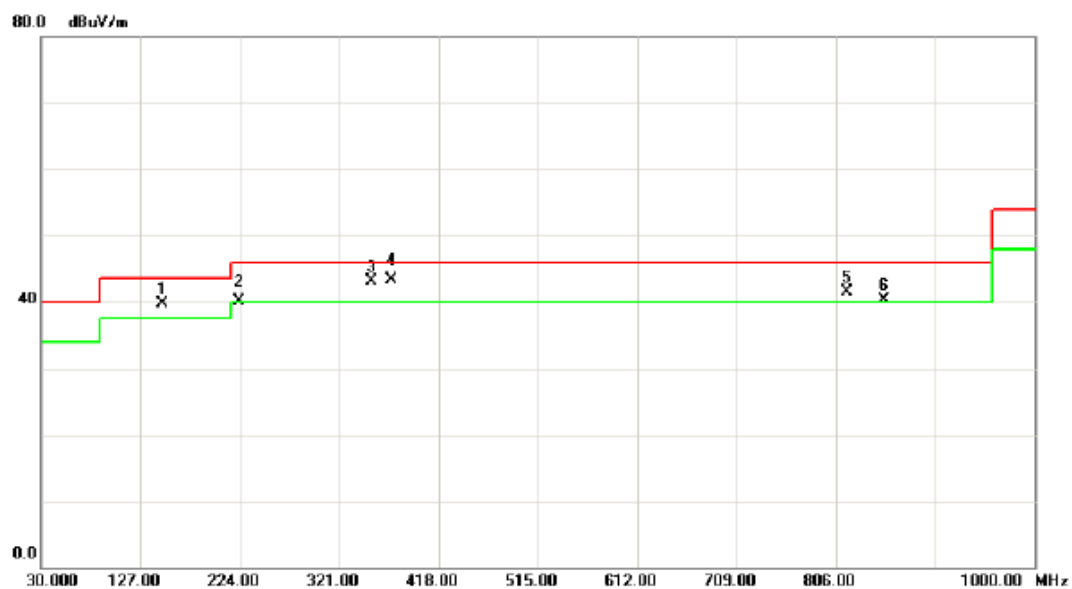
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	43.5800	51.45	-13.74	37.71	40.00	-2.29	peak	
2	!	148.3400	52.55	-13.18	39.37	43.50	-4.13	peak	
3	!	223.0300	58.06	-14.68	43.38	46.00	-2.62	QP	
4	!	594.5400	48.35	-7.91	40.44	46.00	-5.56	peak	
5	!	779.8100	47.00	-3.60	43.40	46.00	-2.60	peak	
6	!	816.6700	44.52	-2.98	41.54	46.00	-4.46	peak	

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

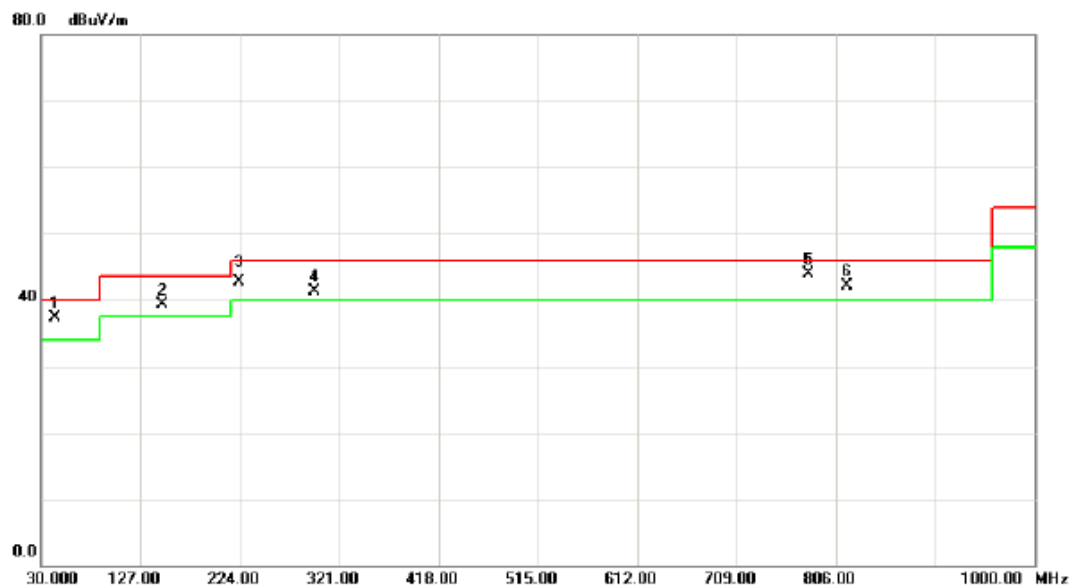
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	148.3400	52.97	-13.18	39.79	43.50	-3.71	peak	
2	!	223.0300	54.75	-14.68	40.07	46.00	-5.93	QP	
3	!	353.0100	54.77	-11.65	43.12	46.00	-2.88	peak	
4	*	371.4400	54.17	-10.82	43.35	46.00	-2.65	QP	
5	!	816.6700	44.50	-2.98	41.52	46.00	-4.48	peak	
6	!	853.5300	43.34	-3.04	40.30	46.00	-5.70	peak	

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

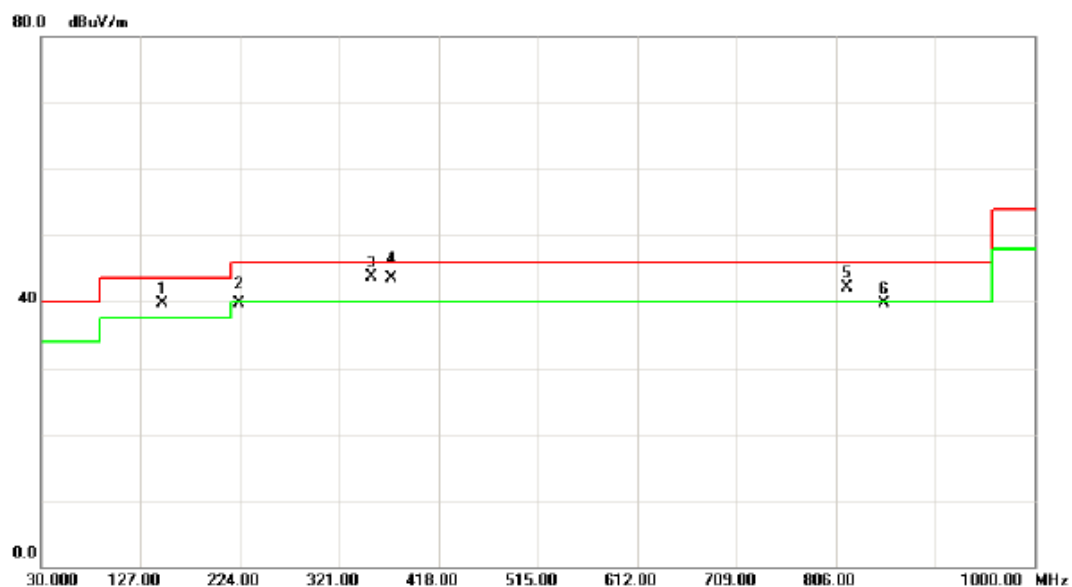
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	43.5800	50.95	-13.74	37.21	40.00	-2.79	peak	
2	!	148.3400	52.55	-13.18	39.37	43.50	-4.13	peak	
3	!	223.0300	57.46	-14.68	42.78	46.00	-3.22	QP	
4	!	296.7500	52.40	-11.05	41.35	46.00	-4.65	peak	
5	*	779.8100	47.50	-3.60	43.90	46.00	-2.10	peak	
6	!	816.6700	45.02	-2.98	42.04	46.00	-3.96	peak	

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

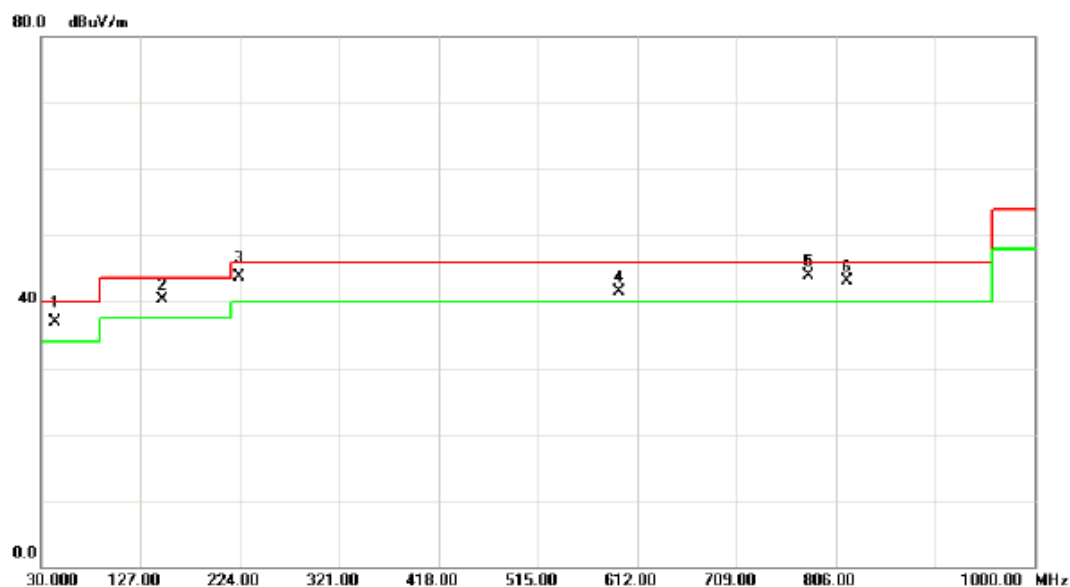
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	148.3400	52.97	-13.18	39.79	43.50	-3.71	peak	
2		223.0300	54.36	-14.68	39.68	46.00	-6.32	QP	
3	*	353.0100	55.27	-11.65	43.62	46.00	-2.38	peak	
4	!	371.4400	54.31	-10.82	43.49	46.00	-2.51	QP	
5	!	816.6700	45.00	-2.98	42.02	46.00	-3.98	peak	
6		853.5300	42.84	-3.04	39.80	46.00	-6.20	peak	

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

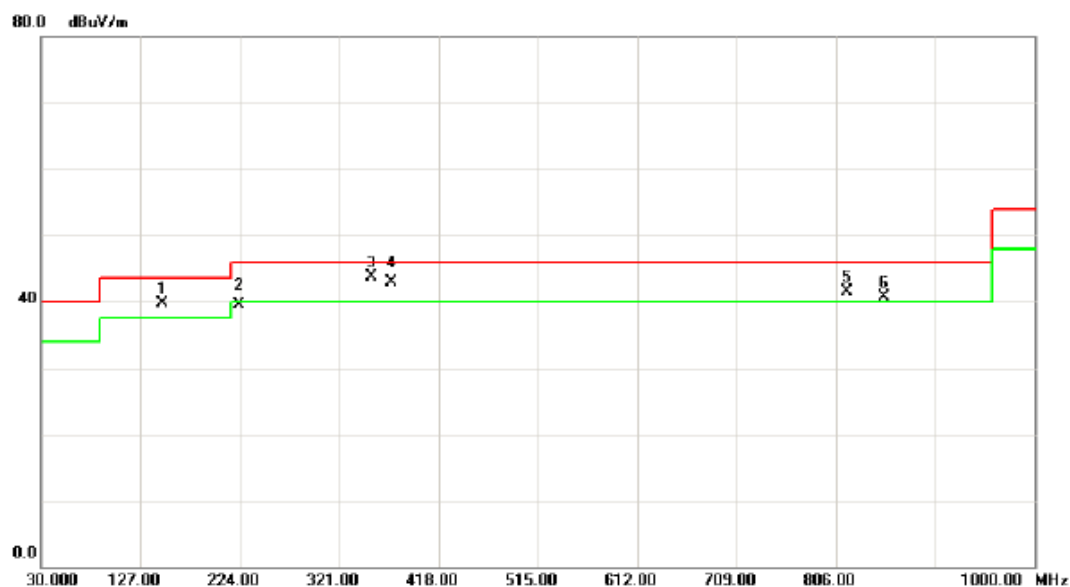
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	43.5800	50.67	-13.74	36.93	40.00	-3.07	QP	
2	!	148.3400	53.55	-13.18	40.37	43.50	-3.13	peak	
3	!	223.0300	58.41	-14.68	43.73	46.00	-2.27	QP	
4	!	594.5400	49.35	-7.91	41.44	46.00	-4.56	peak	
5	*	779.8100	47.50	-3.60	43.90	46.00	-2.10	peak	
6	!	816.6700	46.02	-2.98	43.04	46.00	-2.96	peak	

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

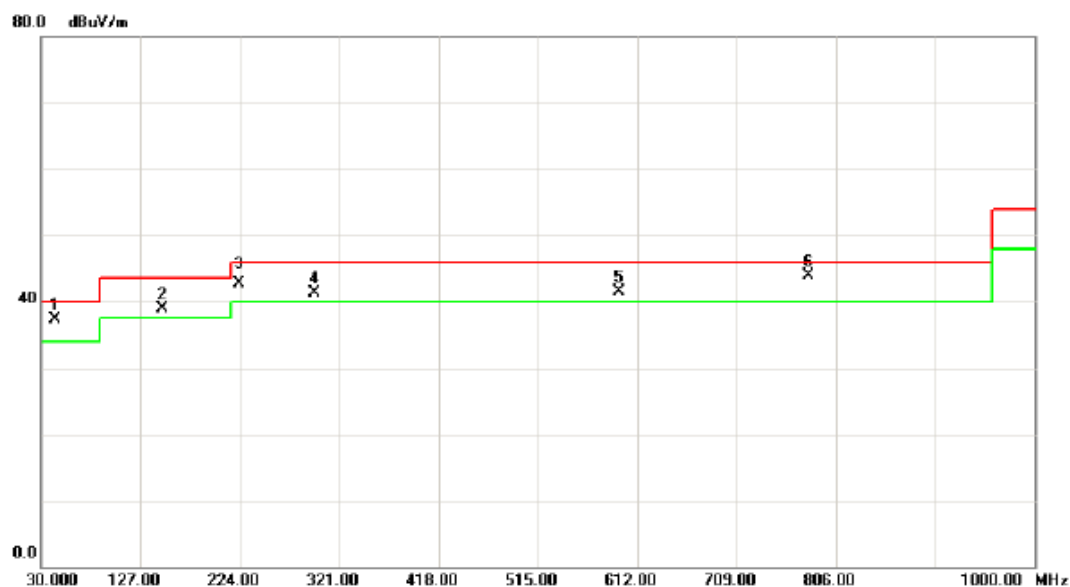
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	148.3400	52.97	-13.18	39.79	43.50	-3.71	peak	
2		223.0300	54.23	-14.68	39.55	46.00	-6.45	QP	
3	*	353.0100	55.27	-11.65	43.62	46.00	-2.38	peak	
4	!	371.4400	53.78	-10.82	42.96	46.00	-3.04	QP	
5	!	816.6700	44.50	-2.98	41.52	46.00	-4.48	peak	
6	!	853.5300	43.84	-3.04	40.80	46.00	-5.20	peak	

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

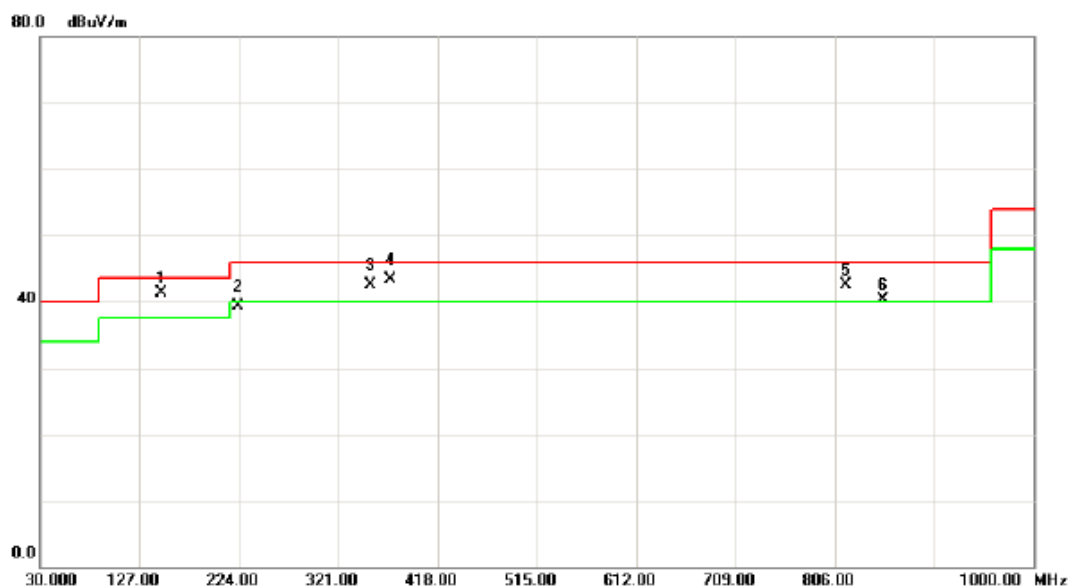
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	43.5800	50.95	-13.74	37.21	40.00	-2.79	peak	
2	!	148.3400	52.05	-13.18	38.87	43.50	-4.63	peak	
3	!	223.0300	57.46	-14.68	42.78	46.00	-3.22	QP	
4	!	296.7500	52.40	-11.05	41.35	46.00	-4.65	peak	
5	!	594.5400	49.35	-7.91	41.44	46.00	-4.56	peak	
6	*	779.8100	47.50	-3.60	43.90	46.00	-2.10	peak	

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

Vertical

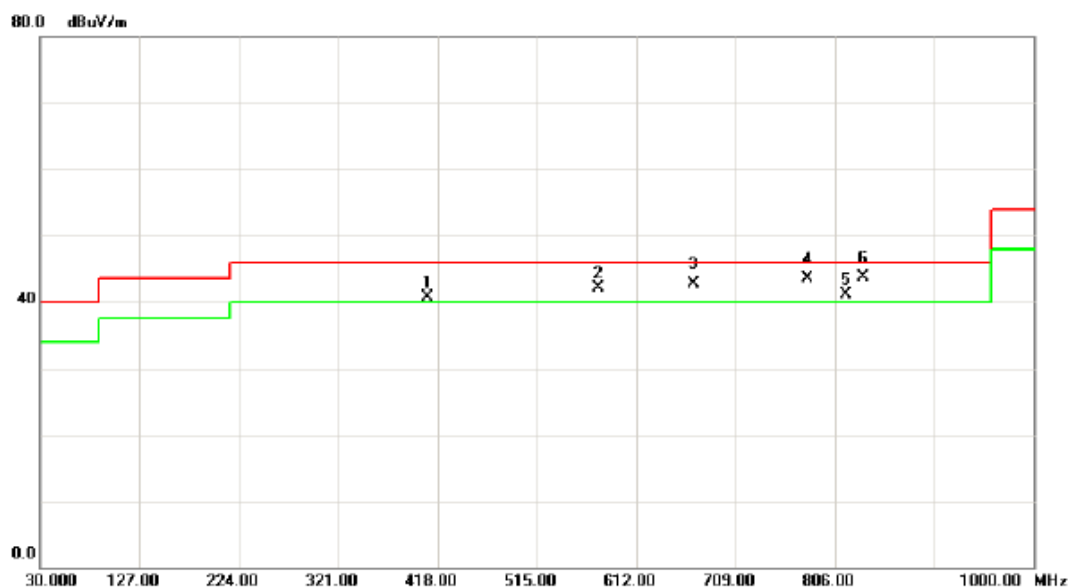


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	148.3400	54.47	-13.18	41.29	43.50	-2.21	peak	
2		223.0300	53.98	-14.68	39.30	46.00	-6.70	QP	
3	!	353.0100	54.16	-11.65	42.51	46.00	-3.49	QP	
4	!	371.4400	54.03	-10.82	43.21	46.00	-2.79	QP	
5	!	816.6700	45.50	-2.98	42.52	46.00	-3.48	peak	
6	!	853.5300	43.34	-3.04	40.30	46.00	-5.70	peak	

Group 2 of MIMO Panel Antenna

Test Mode: UNII-1/ TX N40 Mode 5190MHz

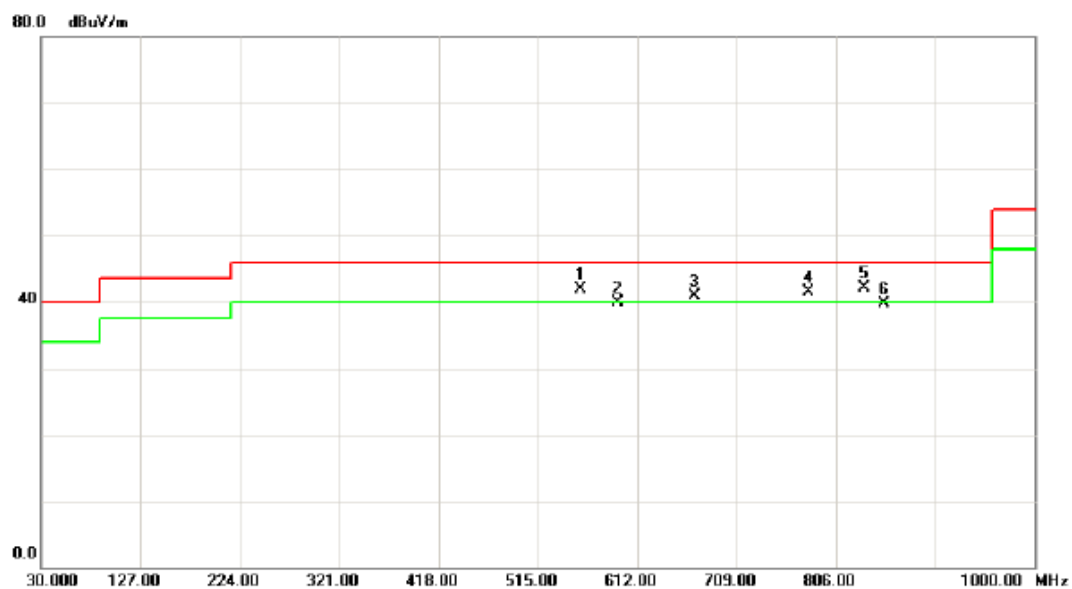
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	408.3000	50.12	-9.38	40.74	46.00	-5.26	peak	
2	!	575.1400	50.12	-7.92	42.20	46.00	-3.80	peak	
3	!	668.2600	47.83	-5.07	42.76	46.00	-3.24	QP	
4	!	779.8100	47.19	-3.60	43.59	46.00	-2.41	QP	
5	!	816.6700	44.06	-2.98	41.08	46.00	-4.92	peak	
6	*	833.1600	46.84	-3.06	43.78	46.00	-2.22	QP	

Test Mode: UNII-1/ TX N40 Mode 5190MHz

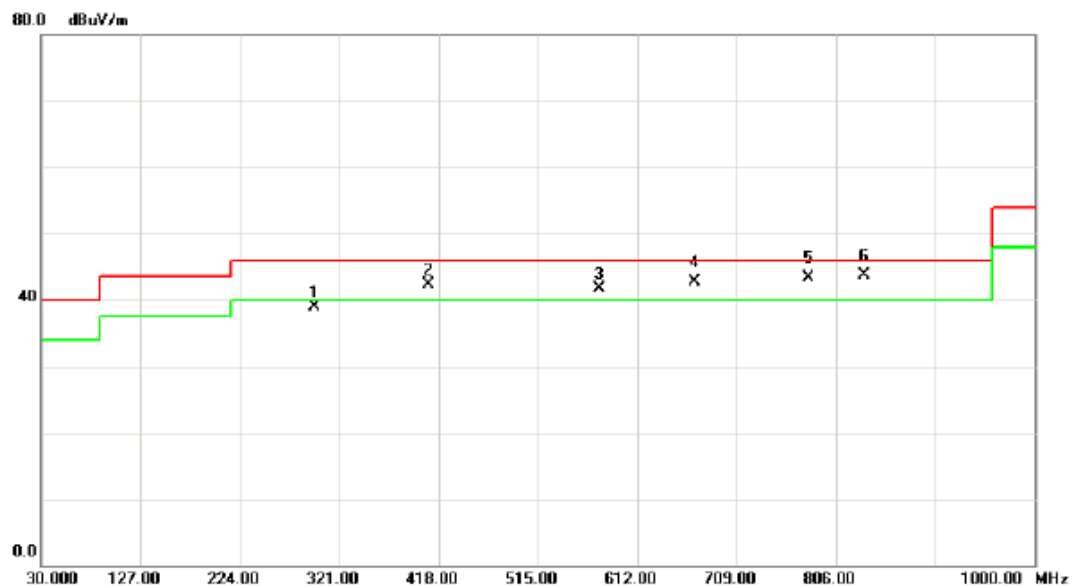
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	556.7100	49.90	-7.92	41.98	46.00	-4.02	peak	
2		593.5700	47.88	-7.92	39.96	46.00	-6.04	peak	
3	!	668.2600	45.97	-5.07	40.90	46.00	-5.10	peak	
4	!	779.8100	45.08	-3.60	41.48	46.00	-4.52	peak	
5	*	834.1300	45.25	-3.07	42.18	46.00	-3.82	peak	
6		853.5300	42.82	-3.04	39.78	46.00	-6.22	peak	

Test Mode: UNII-1/ TX N40 Mode 5230MHz

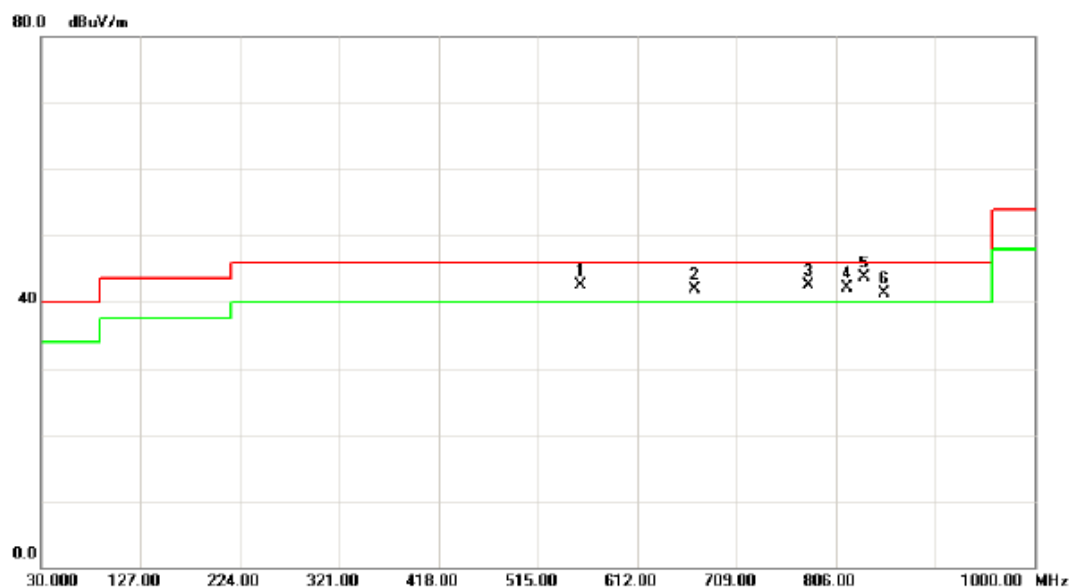
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		296.7500	49.88	-11.05	38.83	46.00	-7.17	peak	
2	!	408.3000	51.62	-9.38	42.24	46.00	-3.76	peak	
3	!	575.1400	49.62	-7.92	41.70	46.00	-4.30	peak	
4	!	668.2600	47.76	-5.07	42.69	46.00	-3.31	QP	
5	!	779.8100	46.93	-3.60	43.33	46.00	-2.67	QP	
6	*	833.1600	46.84	-3.06	43.78	46.00	-2.22	QP	

Test Mode: UNII-1/ TX N40 Mode 5230MHz

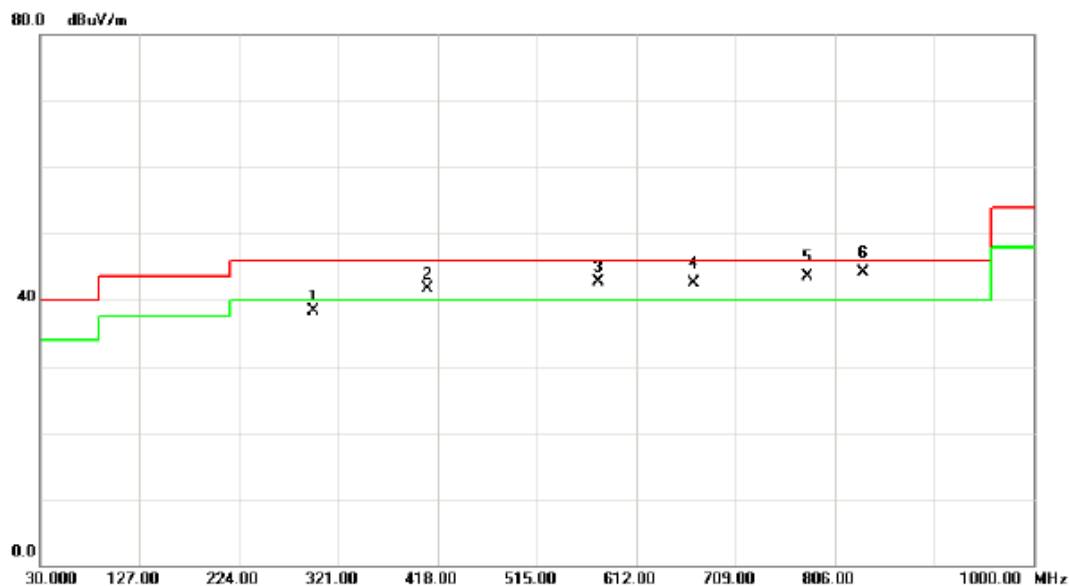
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	556.7100	50.40	-7.92	42.48	46.00	-3.52	peak	
2	!	668.2600	46.97	-5.07	41.90	46.00	-4.10	peak	
3	!	779.8100	46.08	-3.60	42.48	46.00	-3.52	peak	
4	!	816.6700	45.17	-2.98	42.19	46.00	-3.81	peak	
5	*	834.1300	46.75	-3.07	43.68	46.00	-2.32	peak	
6	!	853.5300	44.32	-3.04	41.28	46.00	-4.72	peak	

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

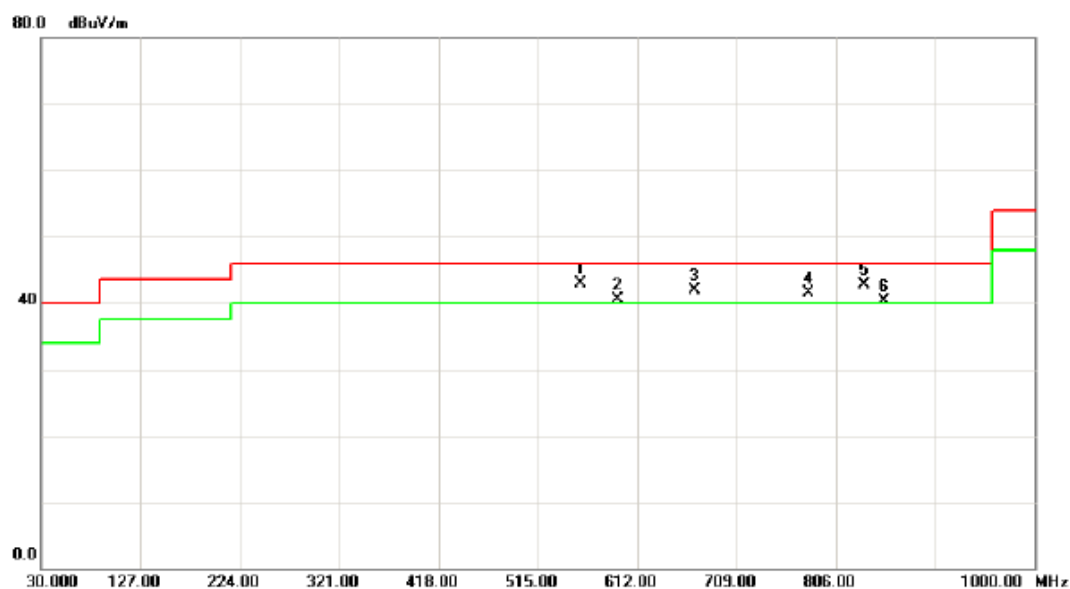
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		296.7500	49.38	-11.05	38.33	46.00	-7.67	peak	
2	!	408.3000	51.12	-9.38	41.74	46.00	-4.26	peak	
3	!	575.1400	50.62	-7.92	42.70	46.00	-3.30	peak	
4	!	668.2600	47.53	-5.07	42.46	46.00	-3.54	QP	
5	!	779.8100	47.14	-3.60	43.54	46.00	-2.46	QP	
6	*	833.1600	47.25	-3.06	44.19	46.00	-1.81	QP	

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

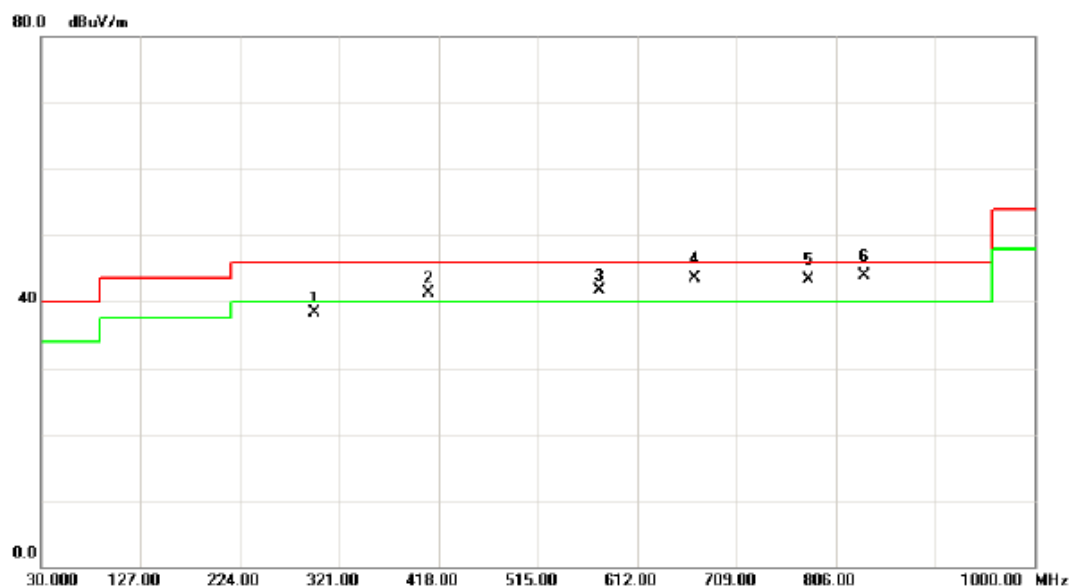
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	556.7100	50.90	-7.92	42.98	46.00	-3.02	peak	
2	!	593.5700	48.38	-7.92	40.46	46.00	-5.54	peak	
3	!	668.2600	46.97	-5.07	41.90	46.00	-4.10	peak	
4	!	779.8100	45.08	-3.60	41.48	46.00	-4.52	peak	
5	!	834.1300	45.75	-3.07	42.68	46.00	-3.32	peak	
6	!	853.5300	43.32	-3.04	40.28	46.00	-5.72	peak	

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

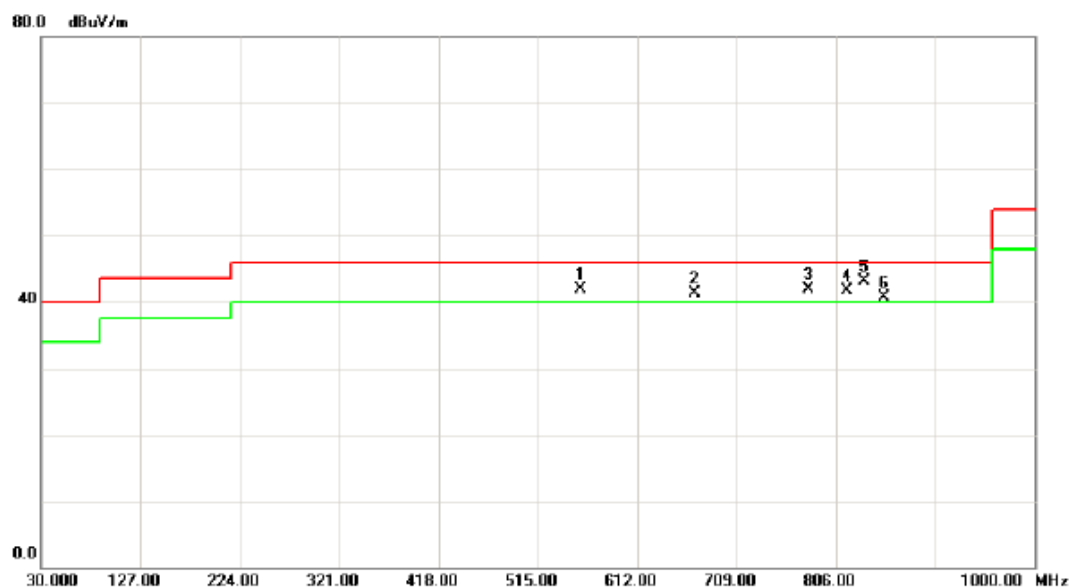
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		296.7500	49.38	-11.05	38.33	46.00	-7.67	peak	
2	!	408.3000	50.62	-9.38	41.24	46.00	-4.76	peak	
3	!	575.1400	49.62	-7.92	41.70	46.00	-4.30	peak	
4	!	668.2600	48.67	-5.07	43.60	46.00	-2.40	QP	
5	!	779.8100	46.94	-3.60	43.34	46.00	-2.66	QP	
6	*	833.1600	46.95	-3.06	43.89	46.00	-2.11	QP	

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

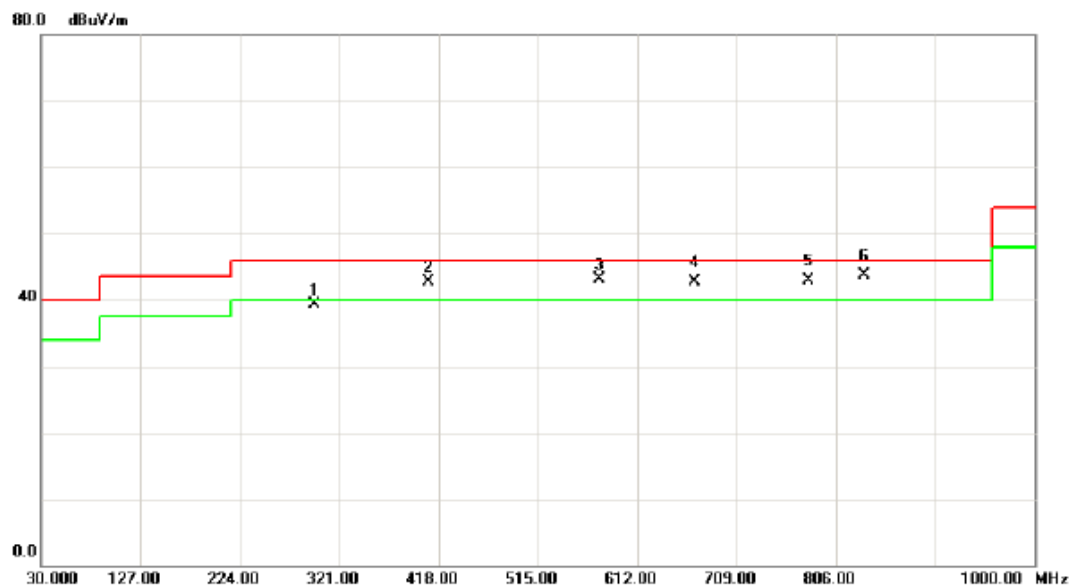
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	!	556.7100	49.90	-7.92	41.98	46.00	-4.02	peak	
2	!	668.2600	46.47	-5.07	41.40	46.00	-4.60	peak	
3	!	779.8100	45.58	-3.60	41.98	46.00	-4.02	peak	
4	!	816.6700	44.67	-2.98	41.69	46.00	-4.31	peak	
5	*	834.1300	46.25	-3.07	43.18	46.00	-2.82	peak	
6	!	853.5300	43.82	-3.04	40.78	46.00	-5.22	peak	

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

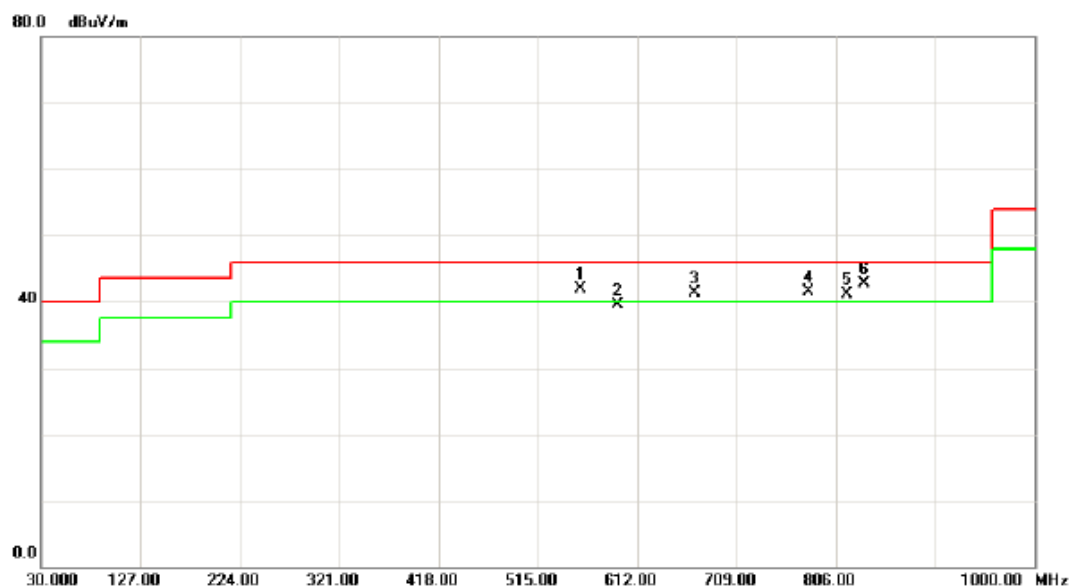
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		296.7500	50.38	-11.05	39.33	46.00	-6.67	peak	
2	!	408.3000	52.12	-9.38	42.74	46.00	-3.26	peak	
3	!	575.1400	51.12	-7.92	43.20	46.00	-2.80	peak	
4	!	668.2600	47.83	-5.07	42.76	46.00	-3.24	QP	
5	!	779.8100	46.52	-3.60	42.92	46.00	-3.08	QP	
6	*	833.1600	46.79	-3.06	43.73	46.00	-2.27	QP	

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

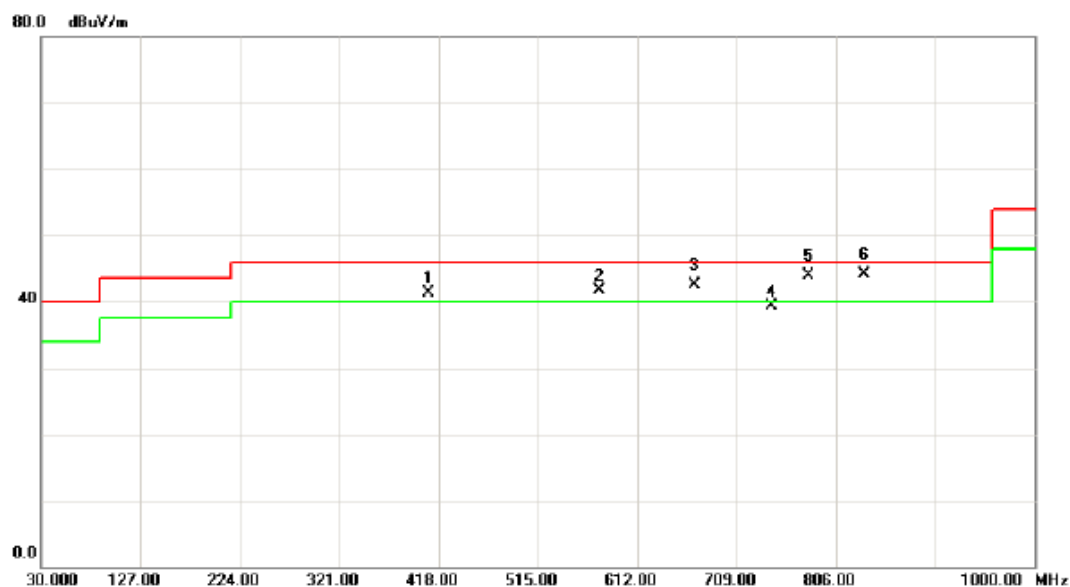
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	556.7100	49.90	-7.92	41.98	46.00	-4.02	peak	
2		593.5700	47.38	-7.92	39.46	46.00	-6.54	peak	
3	!	668.2600	46.47	-5.07	41.40	46.00	-4.60	peak	
4	!	779.8100	45.08	-3.60	41.48	46.00	-4.52	peak	
5	!	816.6700	44.17	-2.98	41.19	46.00	-4.81	peak	
6	*	834.1300	45.75	-3.07	42.68	46.00	-3.32	peak	

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

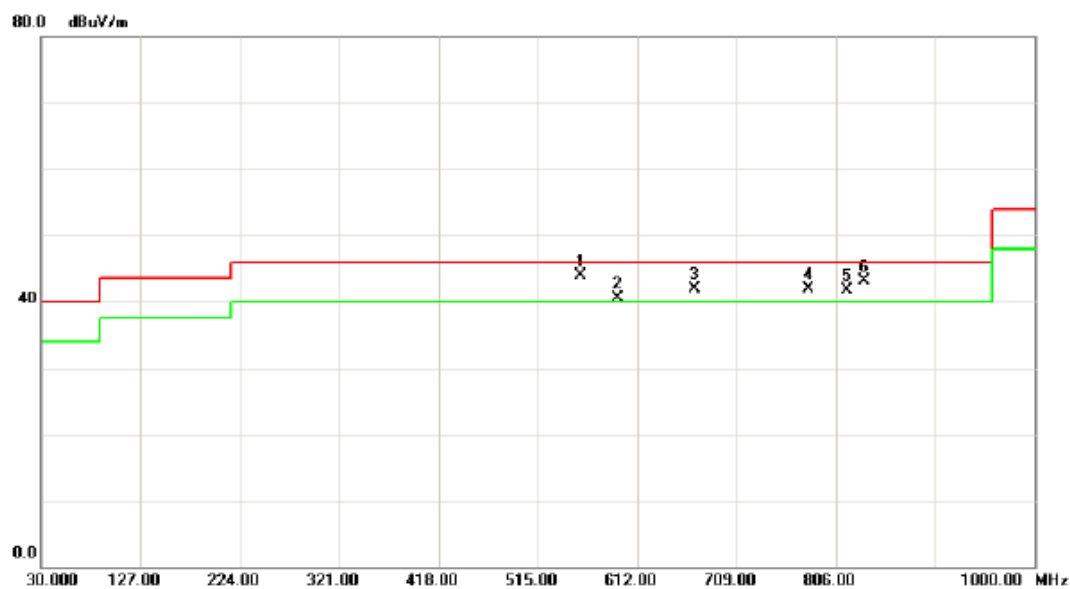
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	408.3000	50.62	-9.38	41.24	46.00	-4.76	peak	
2	!	575.1400	49.62	-7.92	41.70	46.00	-4.30	peak	
3	!	668.2600	47.64	-5.07	42.57	46.00	-3.43	QP	
4		742.9500	43.92	-4.66	39.26	46.00	-6.74	peak	
5	!	779.8100	47.56	-3.60	43.96	46.00	-2.04	QP	
6	*	833.1600	47.23	-3.06	44.17	46.00	-1.83	QP	

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

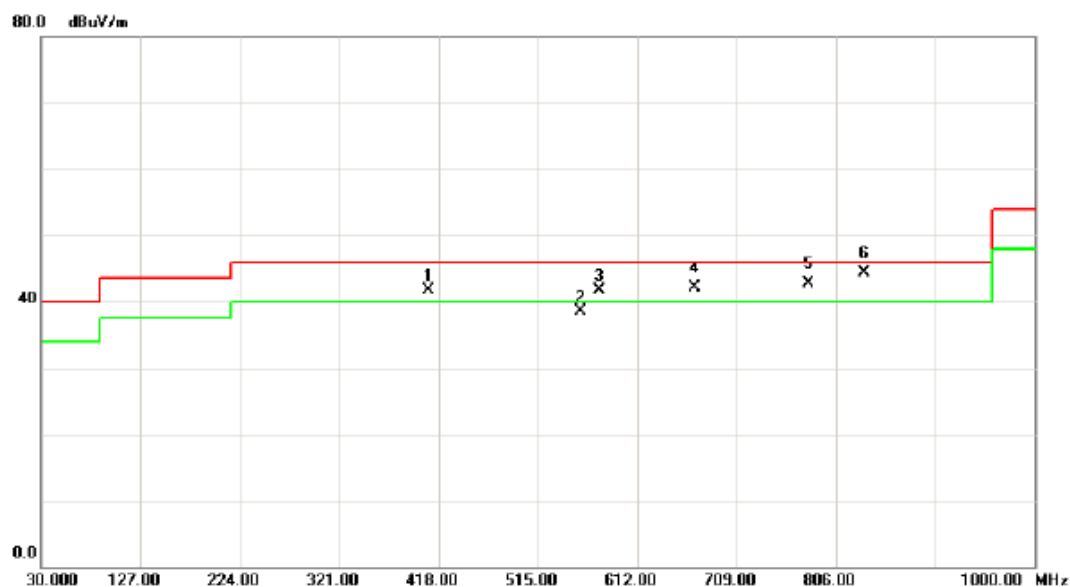
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	556.7100	51.90	-7.92	43.98	46.00	-2.02	peak	
2	!	593.5700	48.38	-7.92	40.46	46.00	-5.54	peak	
3	!	668.2600	46.97	-5.07	41.90	46.00	-4.10	peak	
4	!	779.8100	45.58	-3.60	41.98	46.00	-4.02	peak	
5	!	816.6700	44.67	-2.98	41.69	46.00	-4.31	peak	
6	!	834.1300	46.25	-3.07	43.18	46.00	-2.82	peak	

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

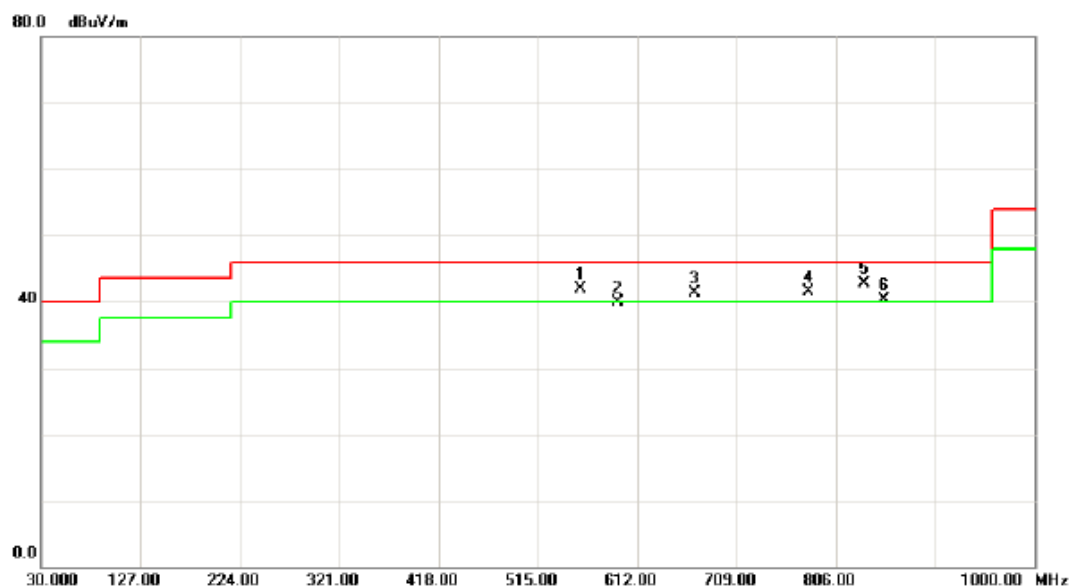
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	408.3000	51.12	-9.38	41.74	46.00	-4.26	peak	
2		556.7100	46.45	-7.92	38.53	46.00	-7.47	peak	
3	!	575.1400	49.62	-7.92	41.70	46.00	-4.30	peak	
4	!	668.2600	47.15	-5.07	42.08	46.00	-3.92	QP	
5	!	779.8100	46.27	-3.60	42.67	46.00	-3.33	QP	
6	*	833.1600	47.36	-3.06	44.30	46.00	-1.70	QP	

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

Vertical



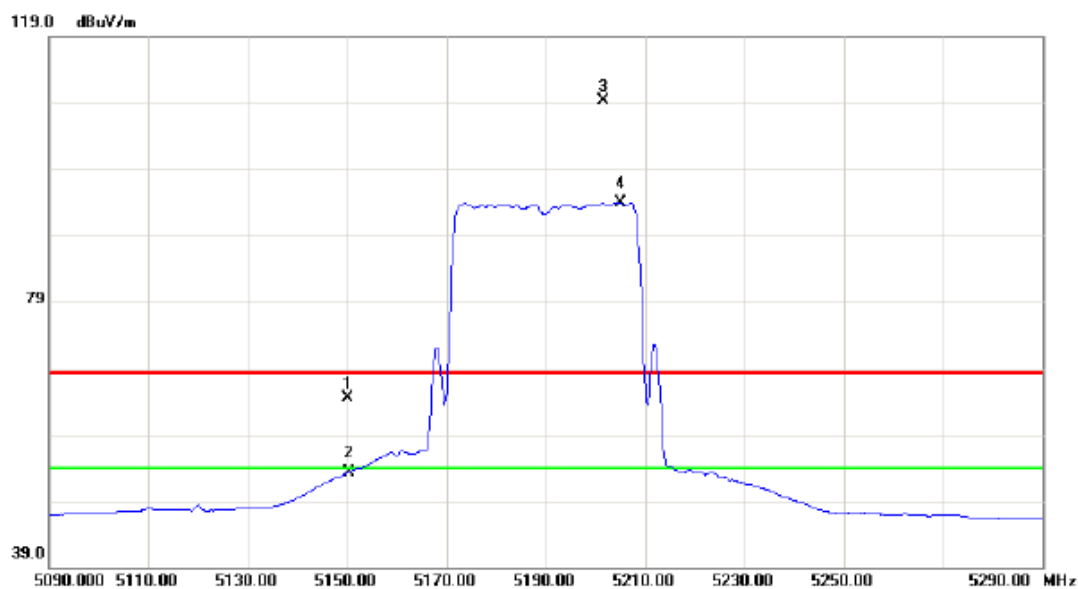
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	!	556.7100	49.90	-7.92	41.98	46.00	-4.02	peak	
2		593.5700	47.88	-7.92	39.96	46.00	-6.04	peak	
3	!	668.2600	46.47	-5.07	41.40	46.00	-4.60	peak	
4	!	779.8100	45.08	-3.60	41.48	46.00	-4.52	peak	
5	*	834.1300	45.75	-3.07	42.68	46.00	-3.32	peak	
6	!	853.5300	43.32	-3.04	40.28	46.00	-5.72	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Group 1 of Dipole Antenna

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

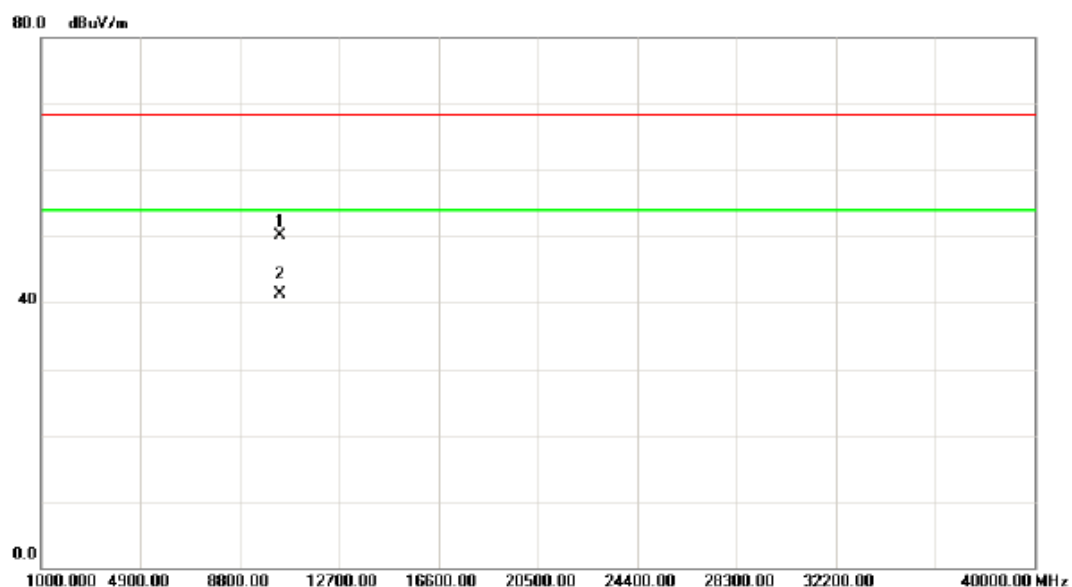
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	23.20	41.25	64.45	68.30	-3.85	peak	
2		5150.000	12.03	41.25	53.28	54.00	-0.72	AVG	
3	*	5201.600	67.90	41.44	109.34	68.30	41.04	peak	no limit
4	X	5205.000	52.49	41.45	93.94	54.00	39.94	AVG	no limit

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

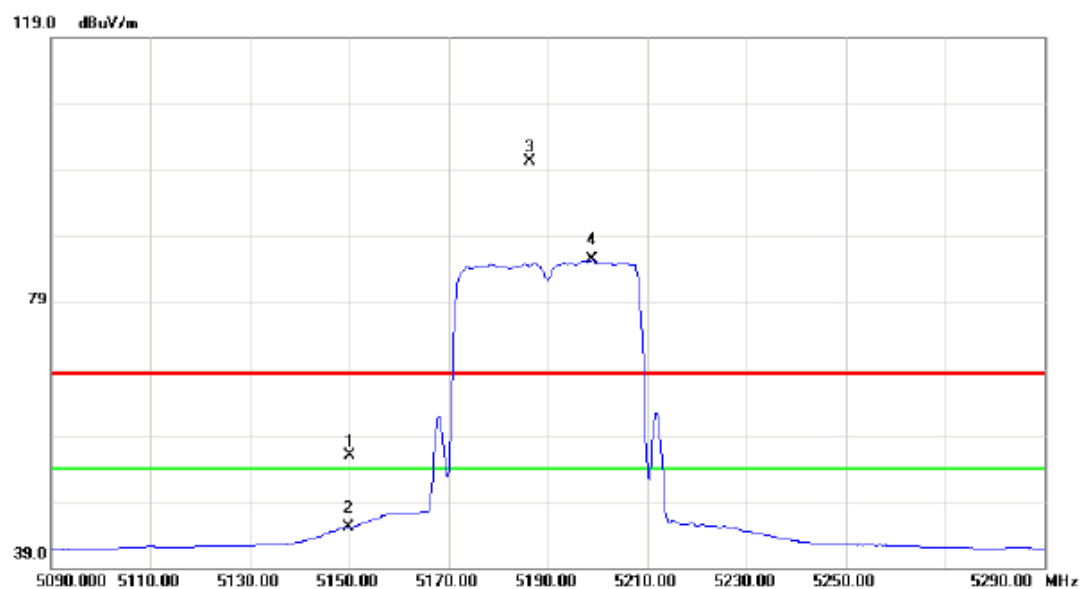
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10380.00	31.69	18.37	50.06	68.30	-18.24	peak	
2	*	10380.00	22.92	18.37	41.29	54.00	-12.71	AVG	

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

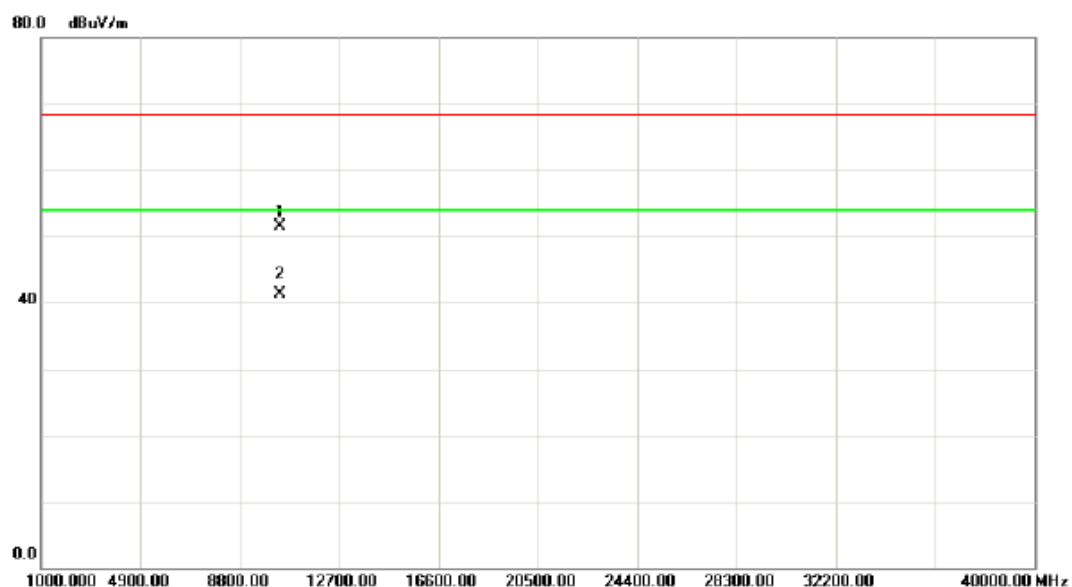
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	14.64	41.25	55.89	68.30	-12.41	peak	
2		5150.000	3.91	41.25	45.16	54.00	-8.84	AVG	
3	*	5186.400	59.00	41.39	100.39	68.30	32.09	peak	no limit
4	X	5199.000	44.01	41.43	85.44	54.00	31.44	AVG	no limit

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

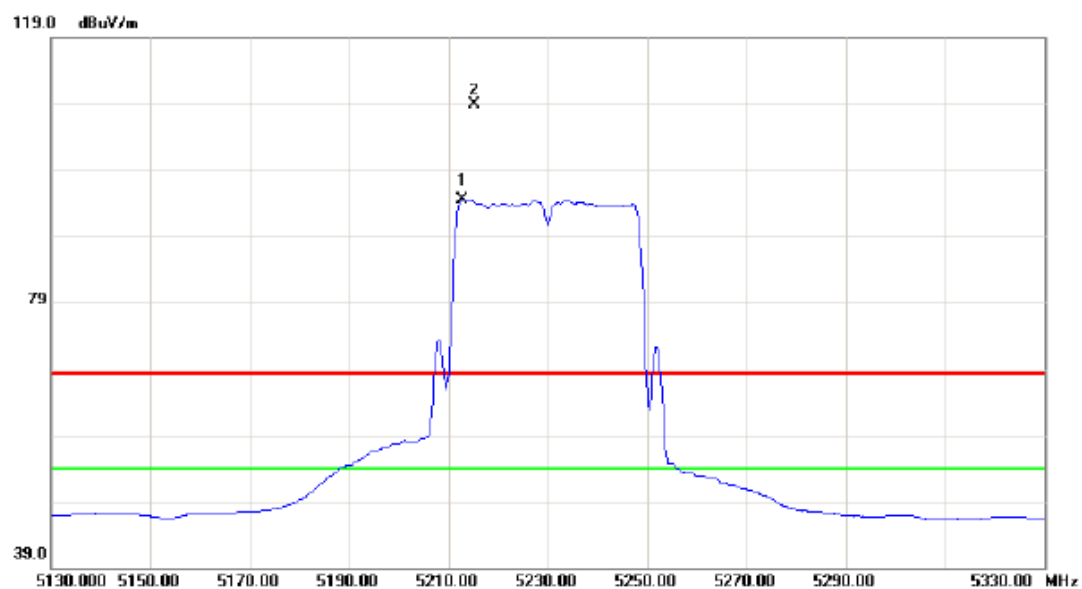
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10379.70	33.22	18.37	51.59	68.30	-16.71	peak	
2	*	10381.75	23.02	18.37	41.39	54.00	-12.61	AVG	

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

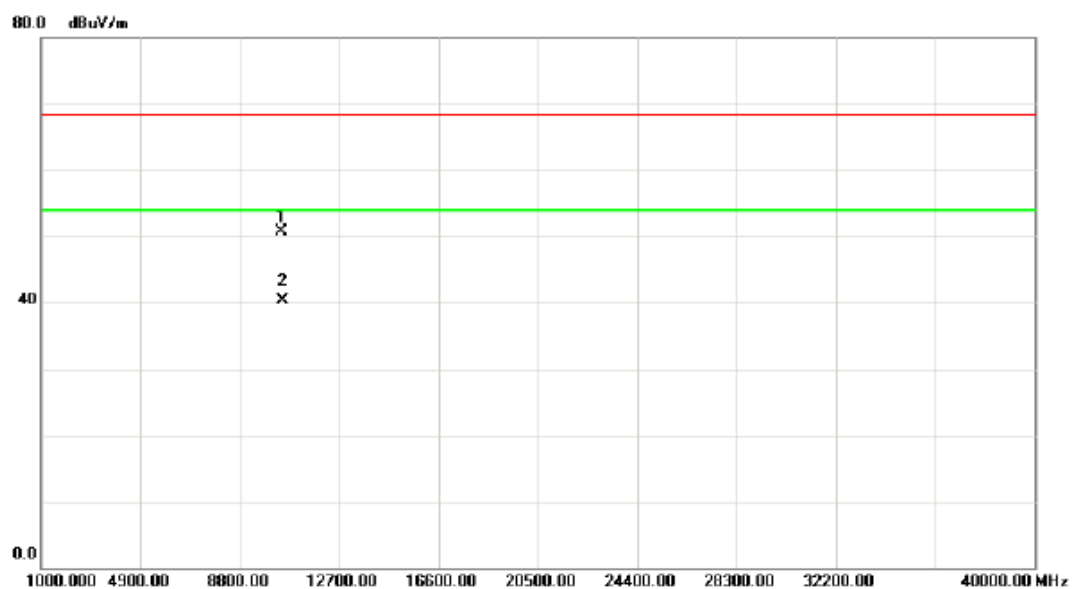
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5212.800	53.00	41.48	94.48	54.00	40.48	AVG	no limit
2	*	5215.200	67.37	41.49	108.86	68.30	40.56	peak	no limit

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

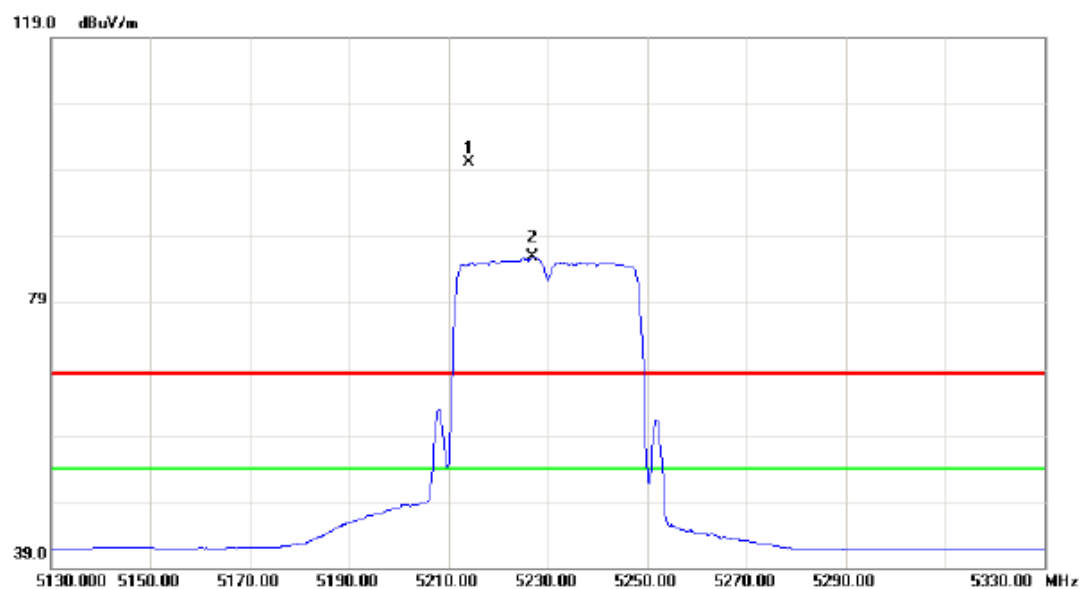
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10460.05	32.27	18.39	50.66	68.30	-17.64	peak	
2	*	10460.05	21.94	18.39	40.33	54.00	-13.67	AVG	

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

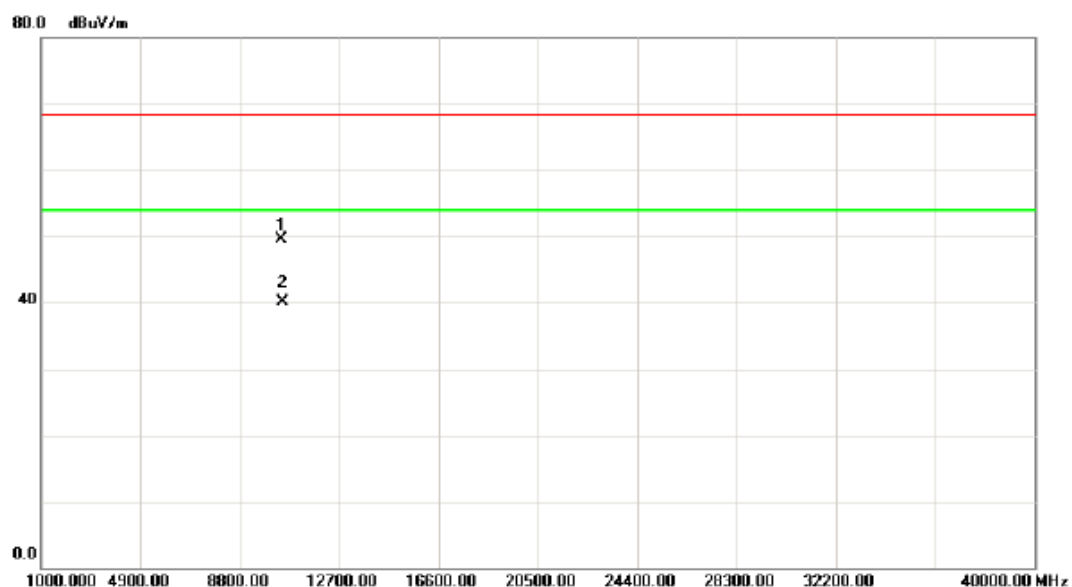
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5214.200	58.67	41.49	100.16	68.30	31.86	peak	no limit
2	*	5227.000	44.35	41.53	85.88	54.00	31.88	AVG	no limit

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

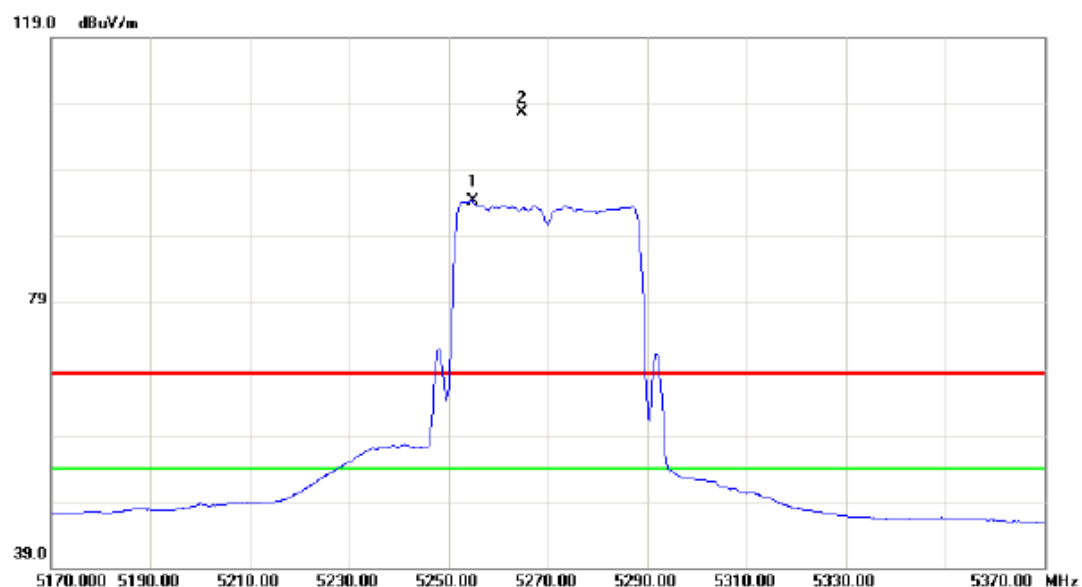
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10460.05	31.07	18.39	49.46	68.30	-18.84	peak	
2	*	10460.05	21.77	18.39	40.16	54.00	-13.84	AVG	

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

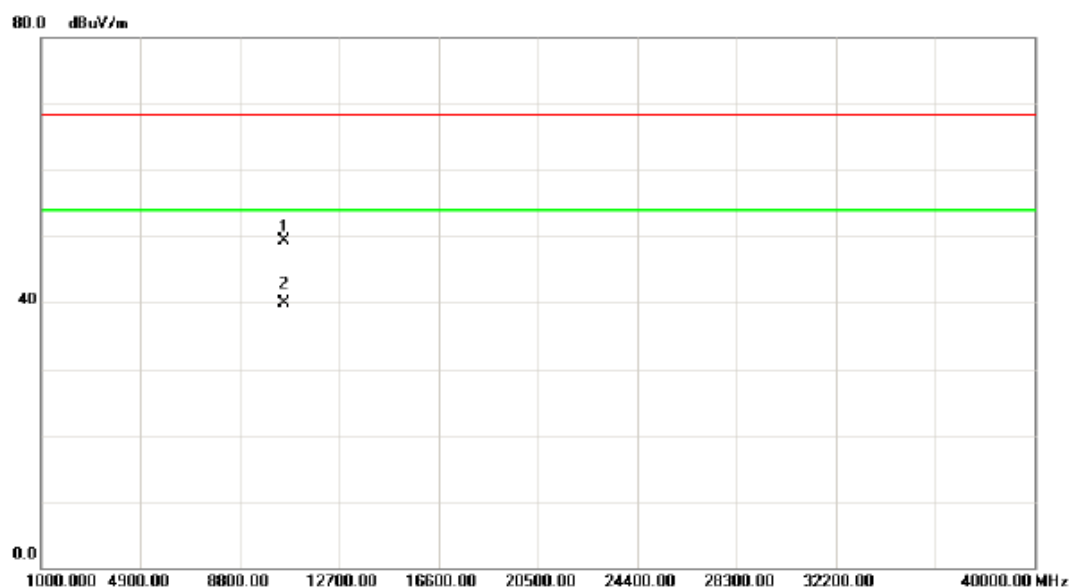
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5254.800	52.62	41.63	94.25	54.00	40.25	AVG	no limit
2	X	5264.800	66.13	41.67	107.80	68.30	39.50	peak	no limit

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

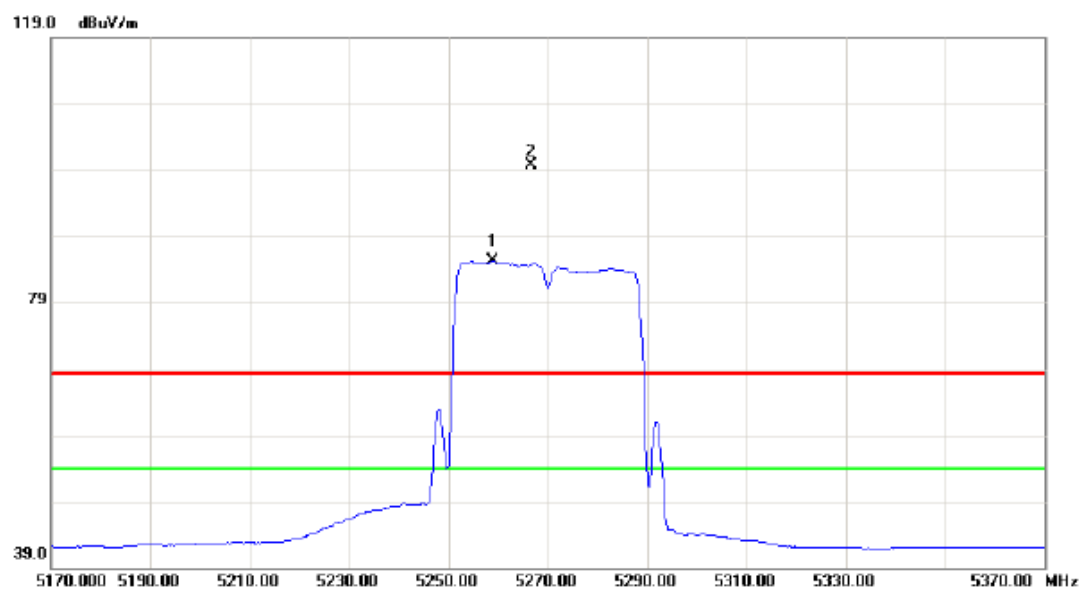
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10540.00	30.97	18.42	49.39	68.30	-18.91	peak	
2	*	10540.00	21.56	18.42	39.98	54.00	-14.02	AVG	

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

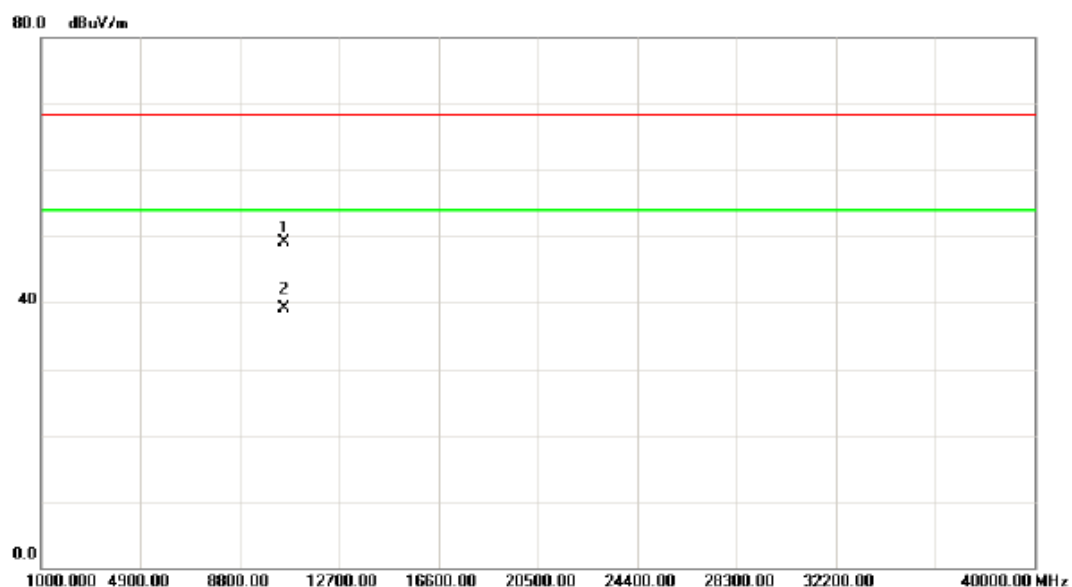
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5258.800	43.70	41.65	85.35	54.00	31.35	AVG	no limit
2	*	5266.600	58.06	41.68	99.74	68.30	31.44	peak	no limit

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

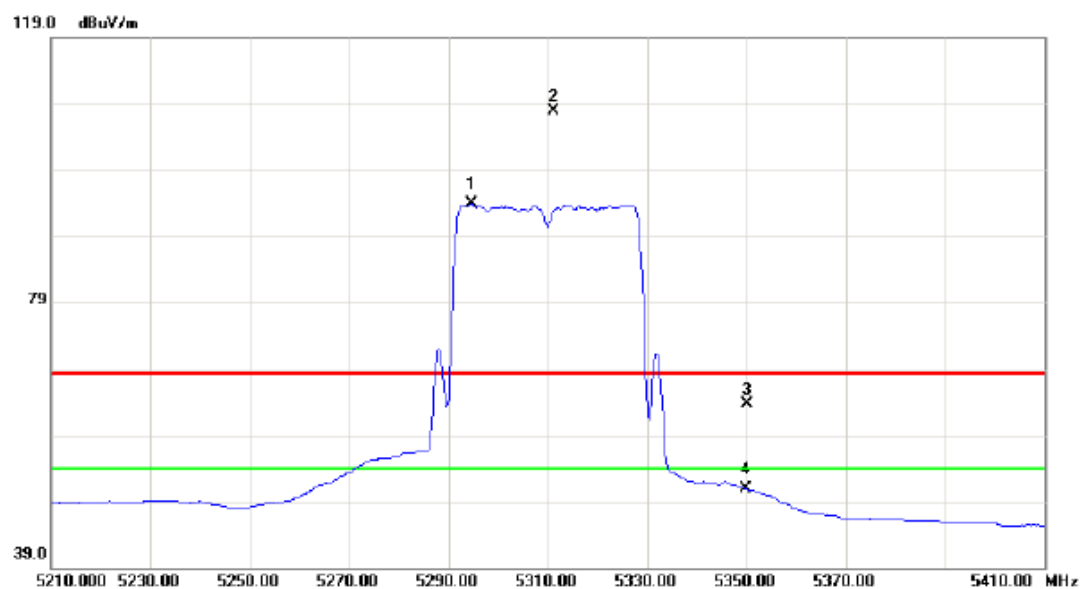
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10540.00	30.68	18.42	49.10	68.30	-19.20	peak	
2	*	10540.00	20.74	18.42	39.16	54.00	-14.84	AVG	

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

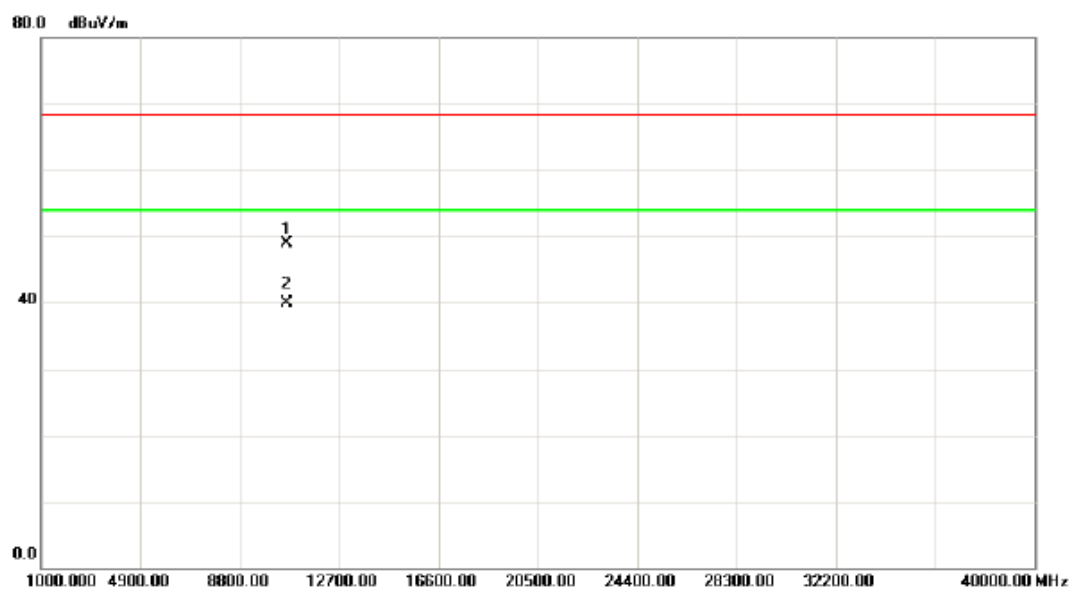
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5294.600	52.05	41.78	93.83	54.00	39.83	AVG	no limit
2	X	5311.200	66.00	41.83	107.83	68.30	39.53	peak	no limit
3		5350.000	21.79	41.98	63.77	68.30	-4.53	peak	
4		5350.000	8.92	41.98	50.90	54.00	-3.10	AVG	

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

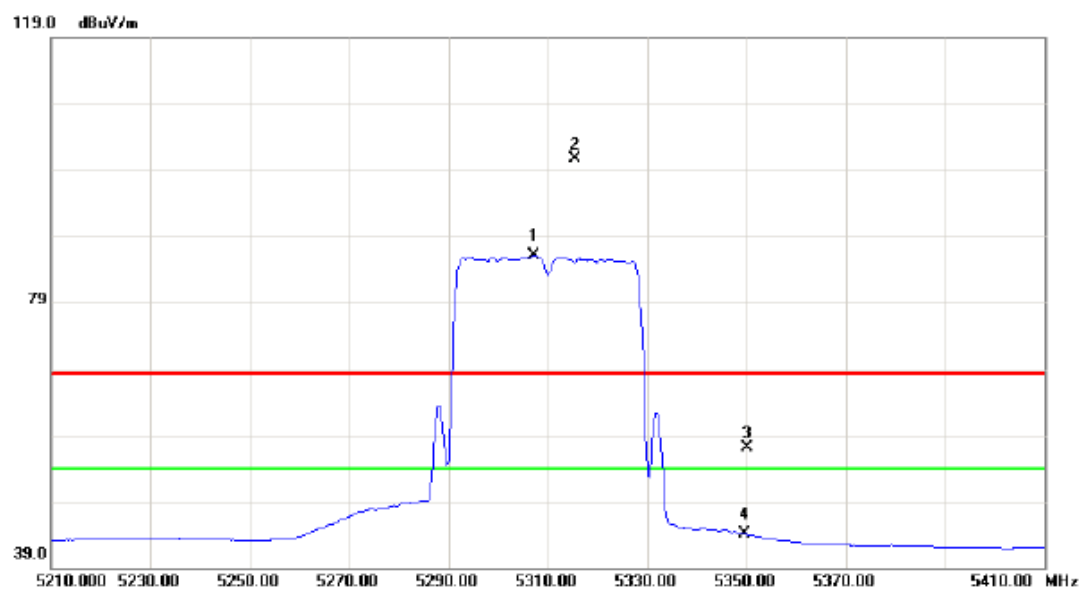
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10620.20	30.49	18.44	48.93	68.30	-19.37	peak	
2	*	10620.20	21.39	18.44	39.83	54.00	-14.17	AVG	

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

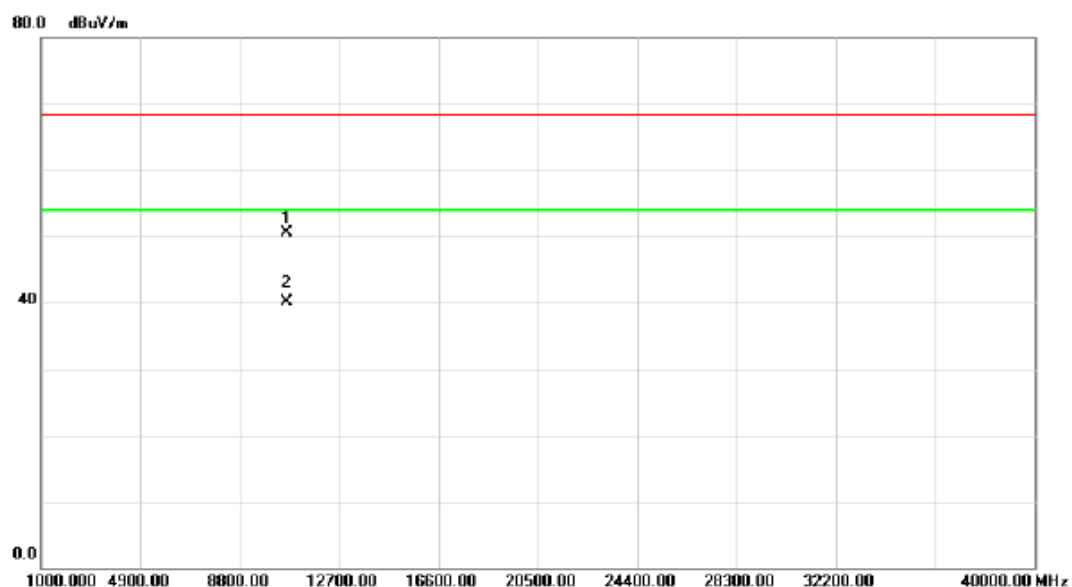
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5307.200	44.33	41.83	86.16	54.00	32.16	AVG	no limit
2	*	5315.400	58.90	41.85	100.75	68.30	32.45	peak	no limit
3		5350.000	15.21	41.98	57.19	68.30	-11.11	peak	
4		5350.000	2.04	41.98	44.02	54.00	-9.98	AVG	

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

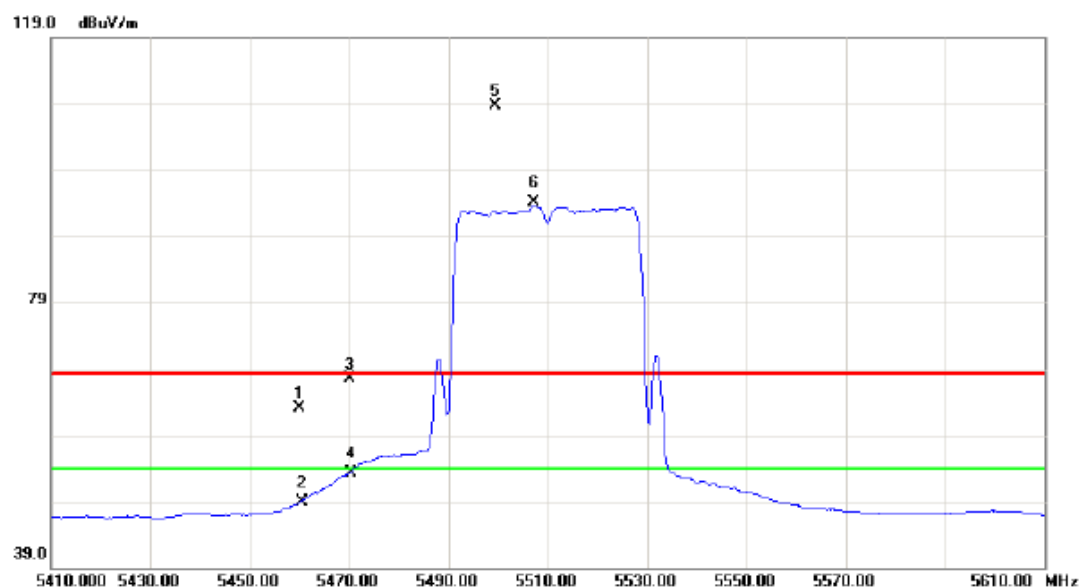
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10620.15	32.00	18.44	50.44	68.30	-17.86	peak	
2	*	10620.15	21.67	18.44	40.11	54.00	-13.89	AVG	

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

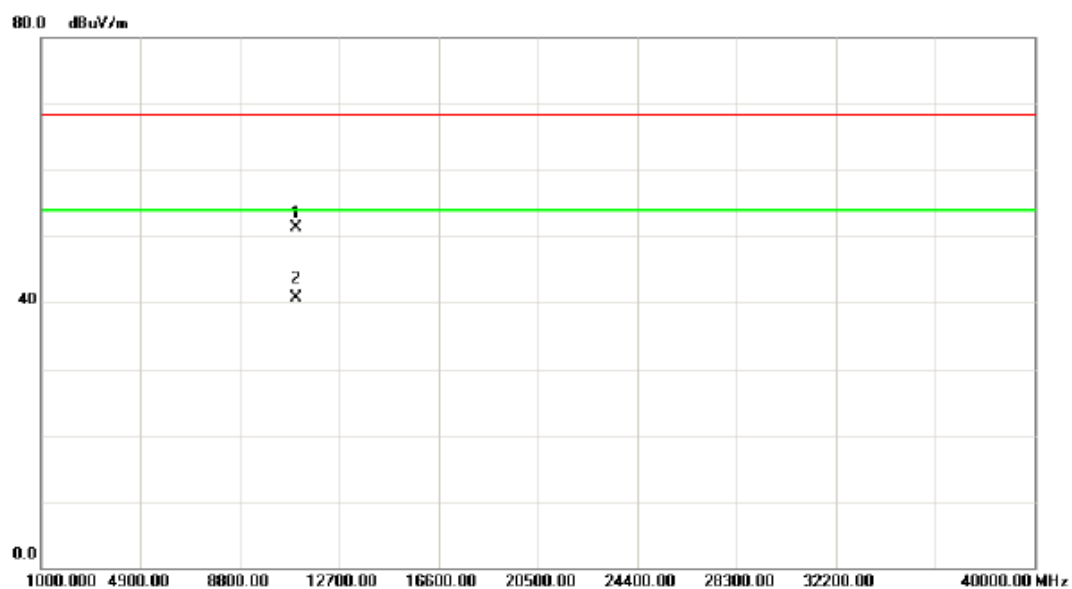
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5460.000	20.81	42.38	63.19	68.30	-5.11	peak	
2		5460.000	6.51	42.38	48.89	54.00	-5.11	AVG	
3		5470.000	25.09	42.42	67.51	68.30	-0.79	peak	
4		5470.000	10.84	42.42	53.26	54.00	-0.74	AVG	
5	*	5499.400	66.22	42.53	108.75	68.30	40.45	peak	no limit
6	X	5507.200	51.62	42.56	94.18	54.00	40.18	AVG	no limit

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

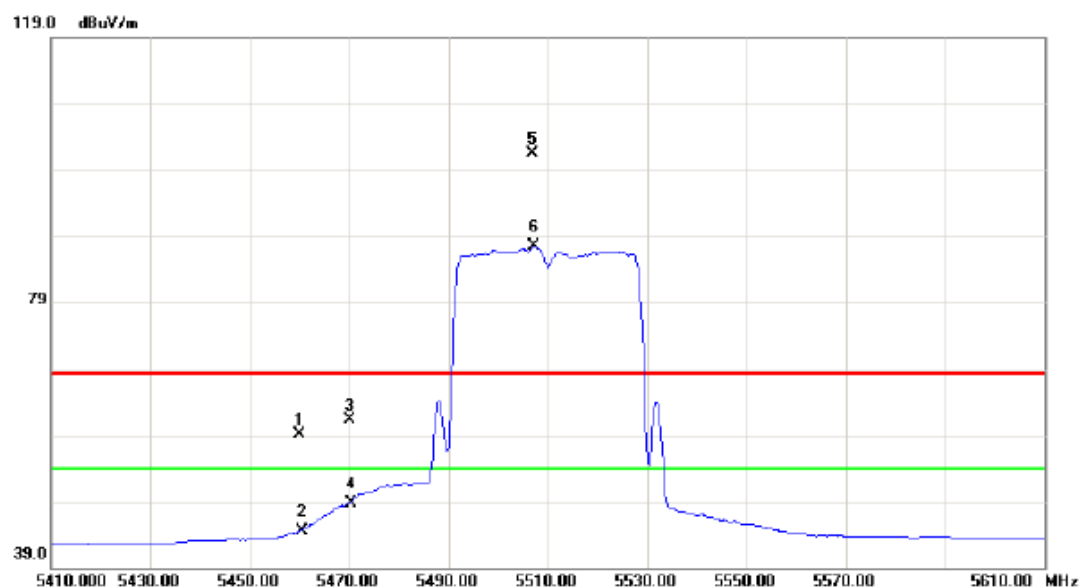
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11020.30	32.75	18.59	51.34	68.30	-16.96	peak	
2	*	11020.30	22.02	18.59	40.61	54.00	-13.39	AVG	

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

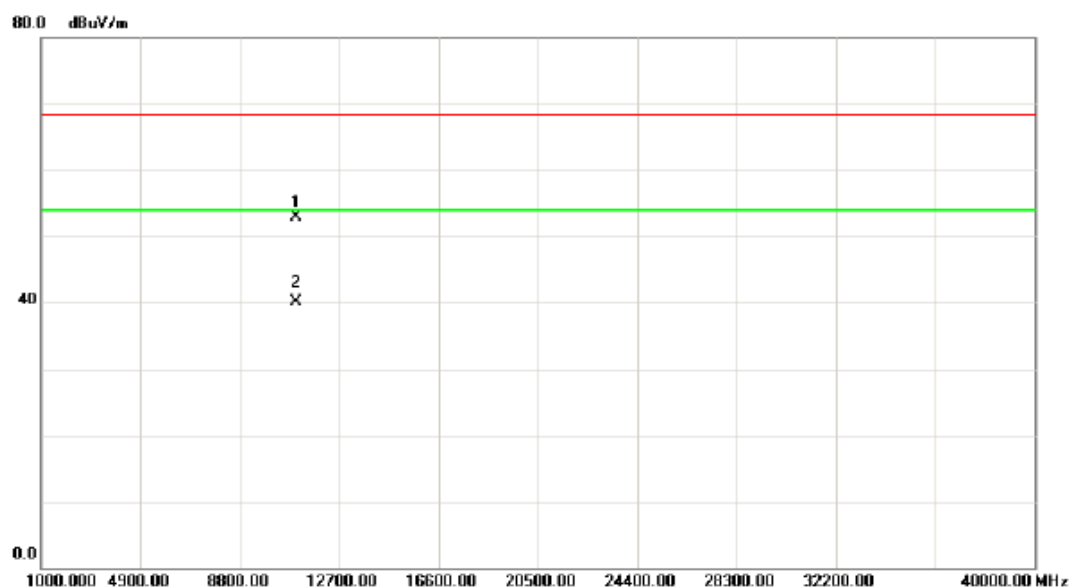
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5460.000	16.78	42.38	59.16	68.30	-9.14	peak	
2		5460.000	2.17	42.38	44.55	54.00	-9.45	AVG	
3		5470.000	18.93	42.42	61.35	68.30	-6.95	peak	
4		5470.000	6.38	42.42	48.80	54.00	-5.20	AVG	
5	X	5506.800	58.98	42.56	101.54	68.30	33.24	peak	no limit
6	*	5507.200	45.00	42.56	87.56	54.00	33.56	AVG	no limit

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

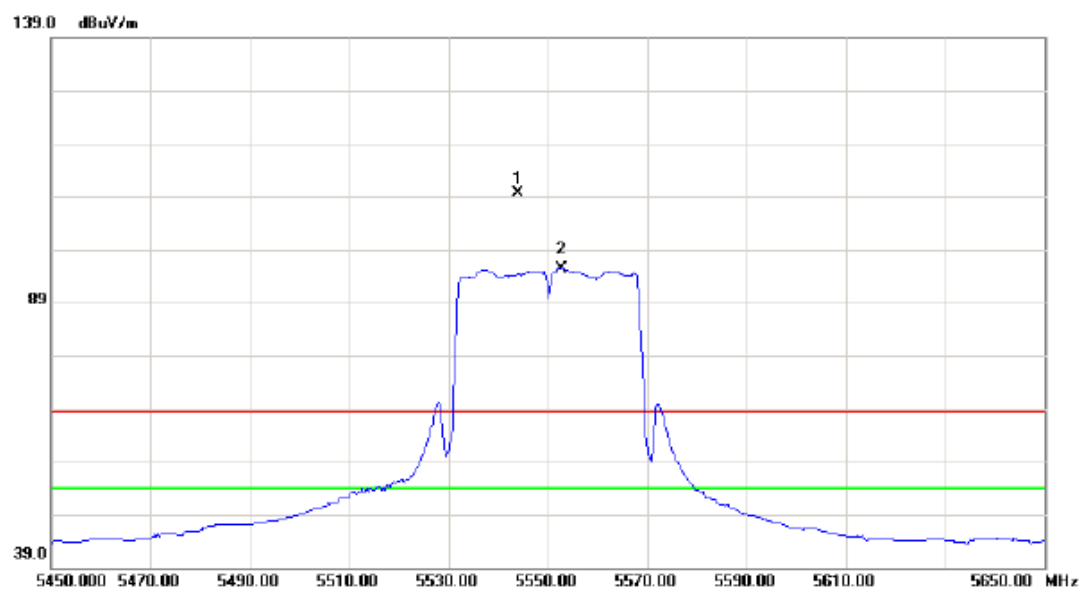
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11018.85	34.36	18.59	52.95	68.30	-15.35	peak	
2	*	11019.55	21.43	18.59	40.02	54.00	-13.98	AVG	

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

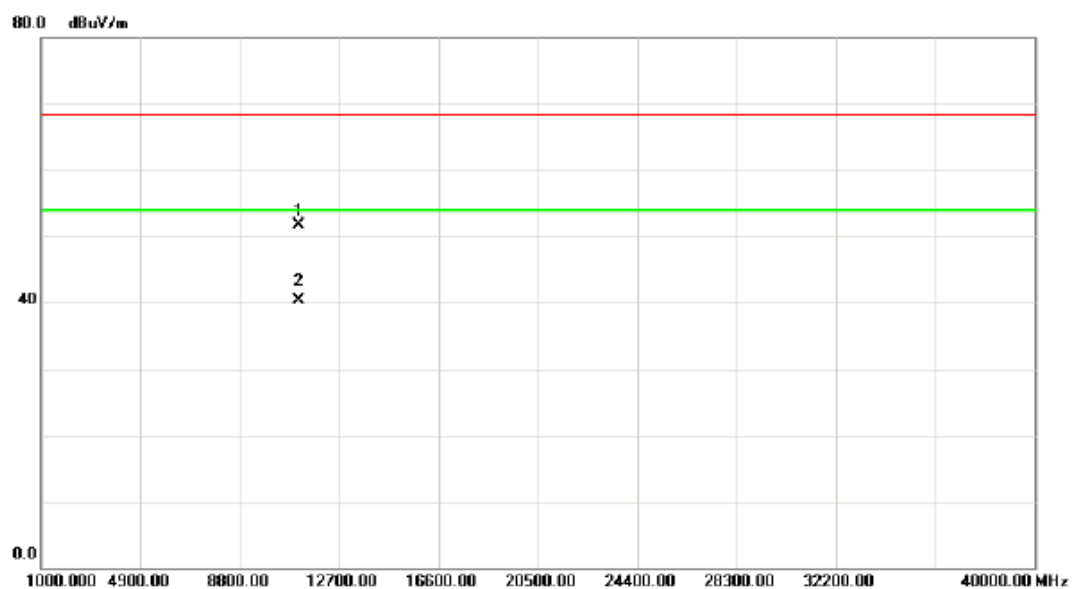
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5543.900	65.98	43.64	109.62	68.30	41.32	peak	no limit
2	*	5552.800	51.81	43.69	95.50	54.00	41.50	AVG	no limit

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

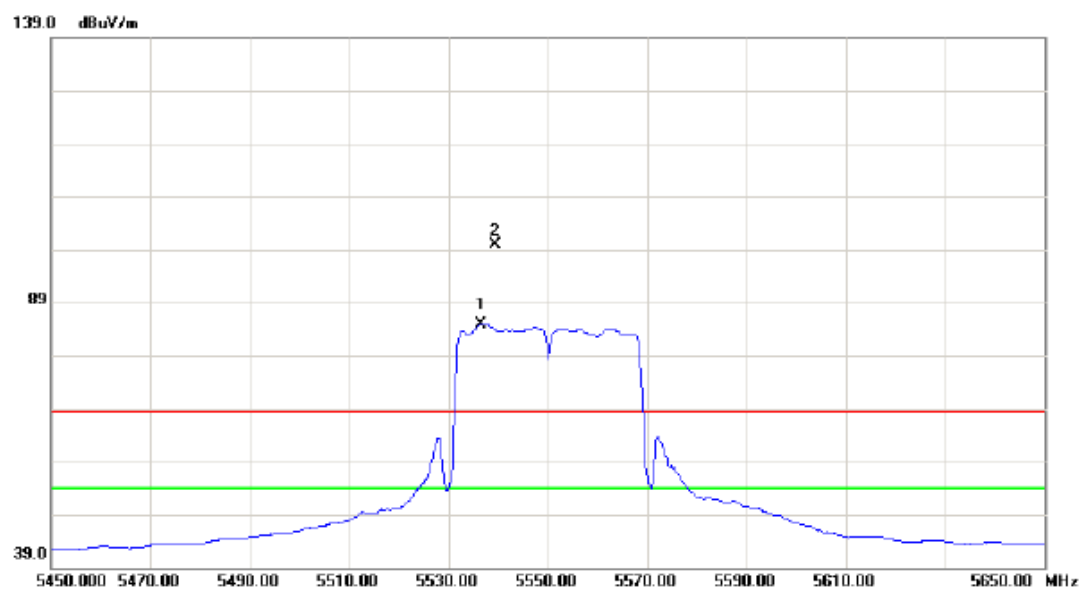
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11098.73	32.84	18.79	51.63	68.30	-16.67	peak	
2	*	11098.73	21.61	18.79	40.40	54.00	-13.60	AVG	

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

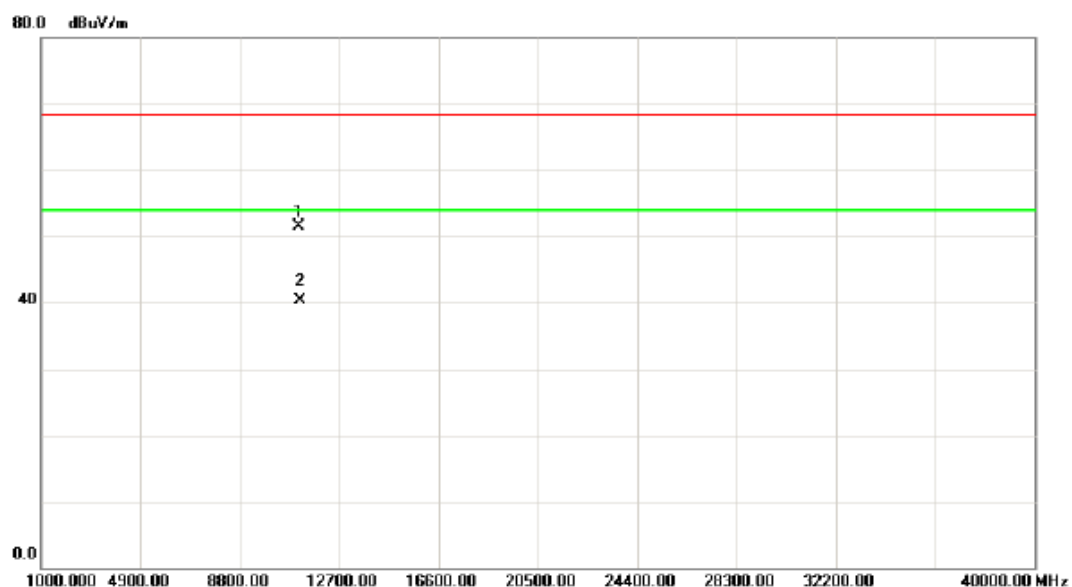
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5536.400	41.32	43.61	84.93	54.00	30.93	AVG	no limit
2	*	5539.400	56.34	43.62	99.96	68.30	31.66	peak	no limit

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

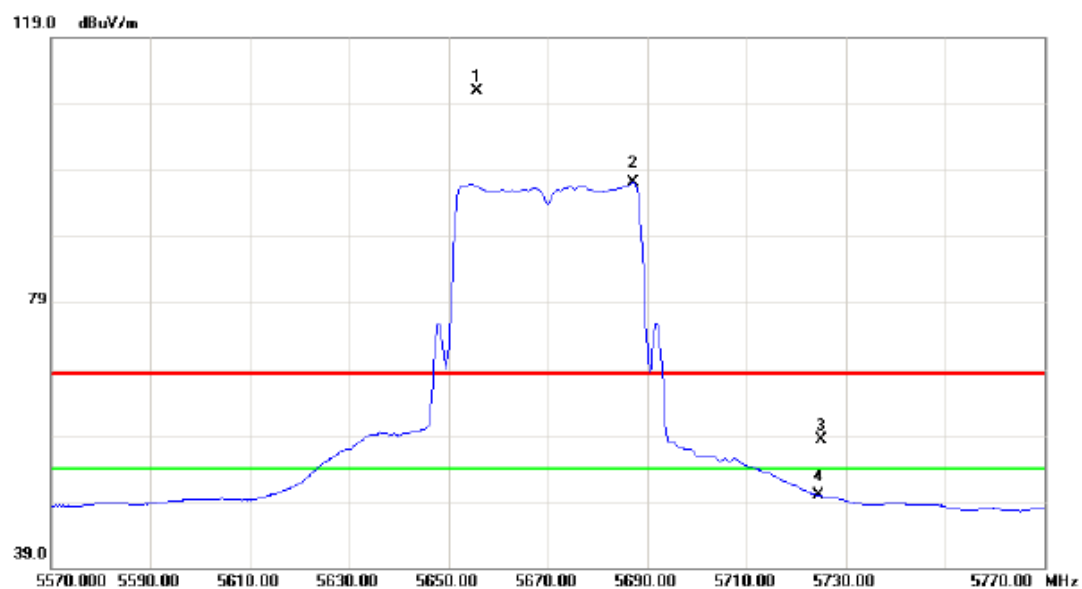
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11101.35	32.74	18.80	51.54	68.30	-16.76	peak	
2	*	11101.35	21.58	18.80	40.38	54.00	-13.62	AVG	

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

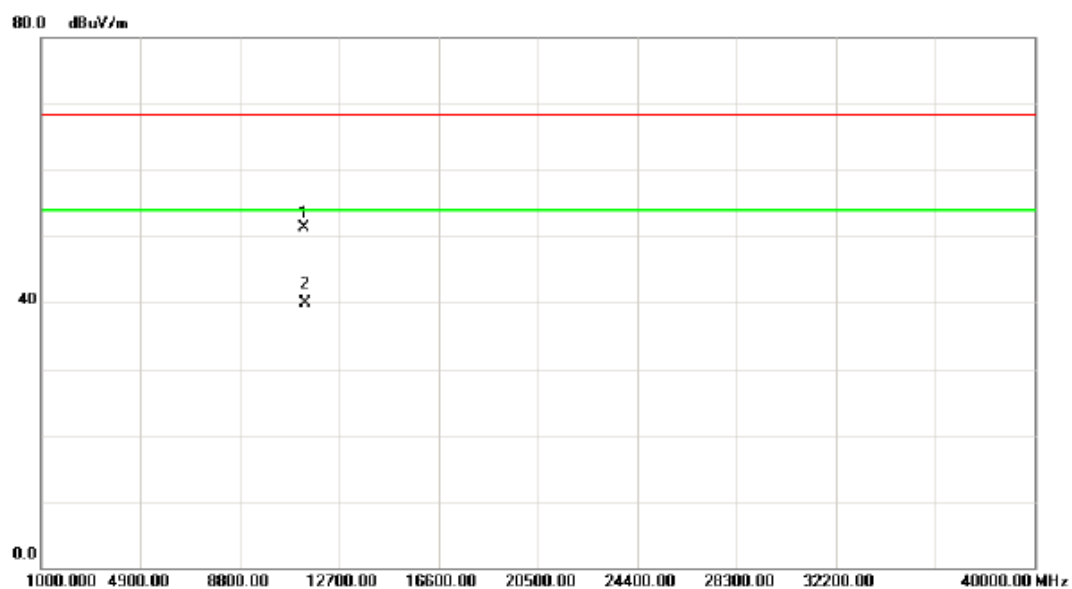
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5655.800	67.86	43.14	111.00	68.30	42.70	peak	no limit
2	*	5687.200	53.84	43.27	97.11	54.00	43.11	AVG	no limit
3		5725.000	14.96	43.42	58.38	68.30	-9.92	peak	
4		5725.000	6.40	43.42	49.82	54.00	-4.18	AVG	

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

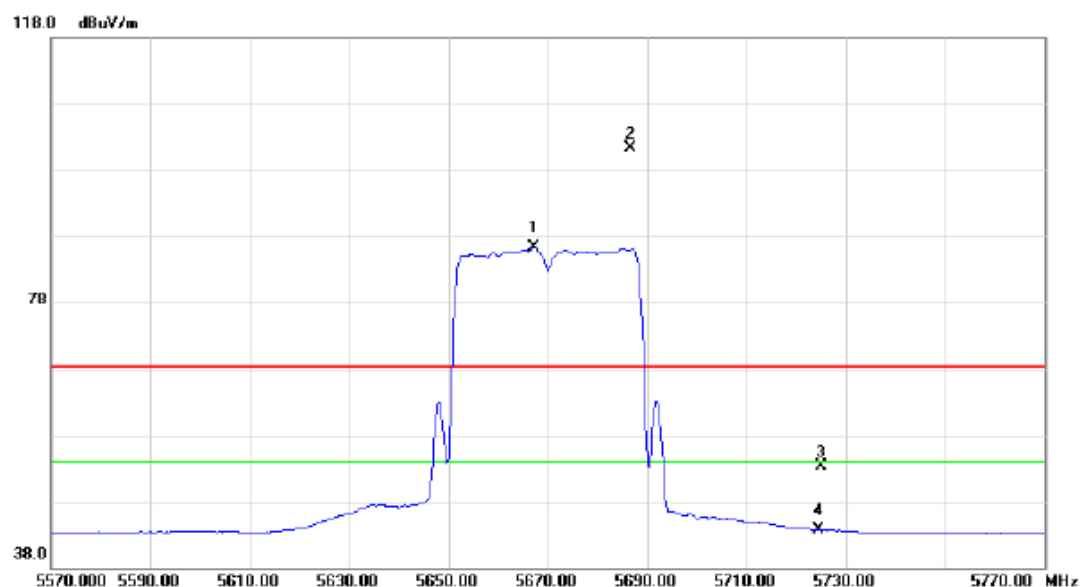
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11340.15	31.85	19.42	51.27	68.30	-17.03	peak	
2	*	11340.15	20.46	19.42	39.88	54.00	-14.12	AVG	

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

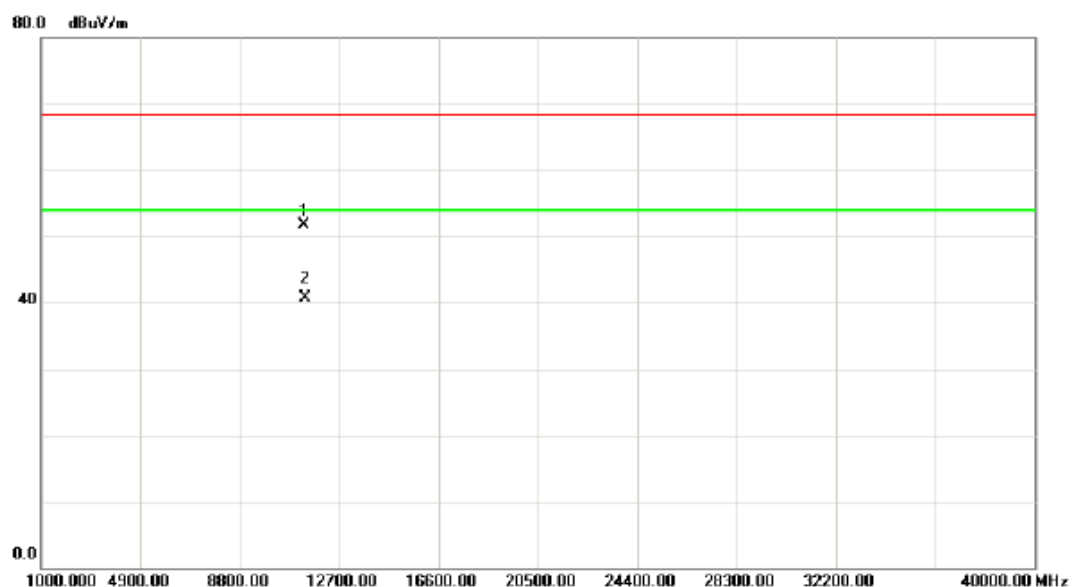
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5667.200	43.09	43.19	86.28	54.00	32.28	AVG	no limit
2	*	5686.600	57.99	43.27	101.26	68.30	32.96	peak	no limit
3		5725.000	9.78	43.42	53.20	68.30	-15.10	peak	
4		5725.000	0.26	43.42	43.68	54.00	-10.32	AVG	

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

Horizontal

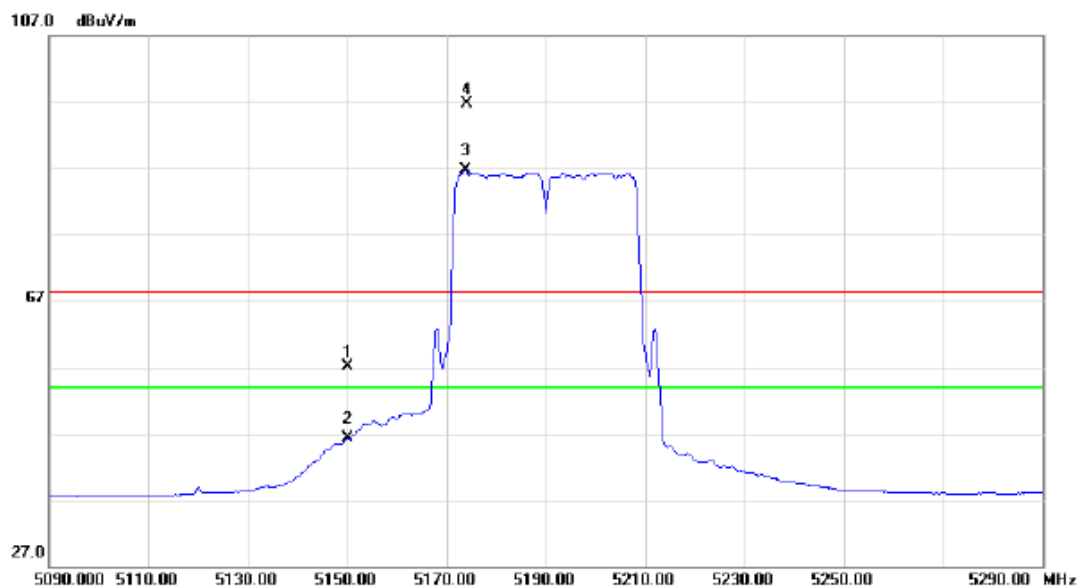


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11339.95	32.31	19.41	51.72	68.30	-16.58	peak	
2	*	11339.95	21.26	19.41	40.67	54.00	-13.33	AVG	

Group 2 of MIMO Panel Antenna

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

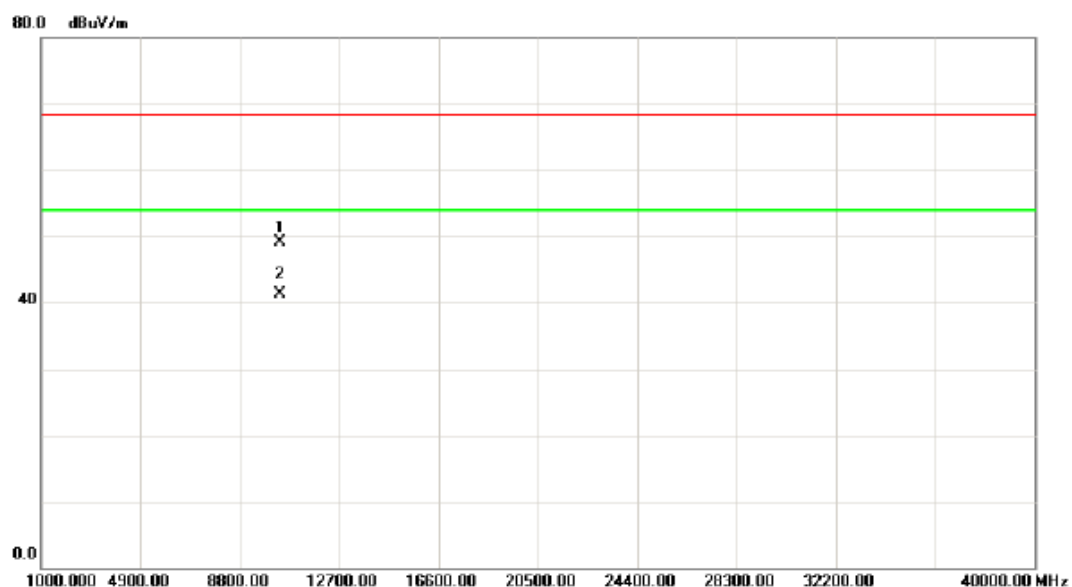
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	18.19	39.00	57.19	68.30	-11.11	peak	
2		5150.000	7.34	39.00	46.34	54.00	-7.66	AVG	
3	*	5173.800	47.53	39.08	86.61	54.00	32.61	AVG	No Limit
4	X	5174.200	57.59	39.08	96.67	68.30	28.37	peak	No Limit

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

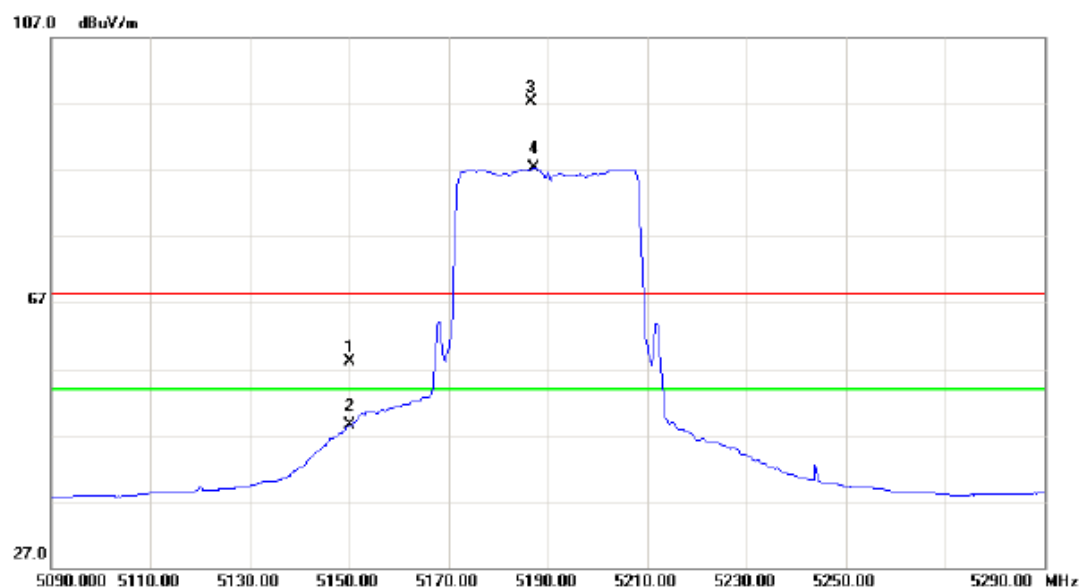
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10381.43	30.76	18.37	49.13	68.30	-19.17	peak	
2	*	10381.56	22.92	18.37	41.29	54.00	-12.71	AVG	

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

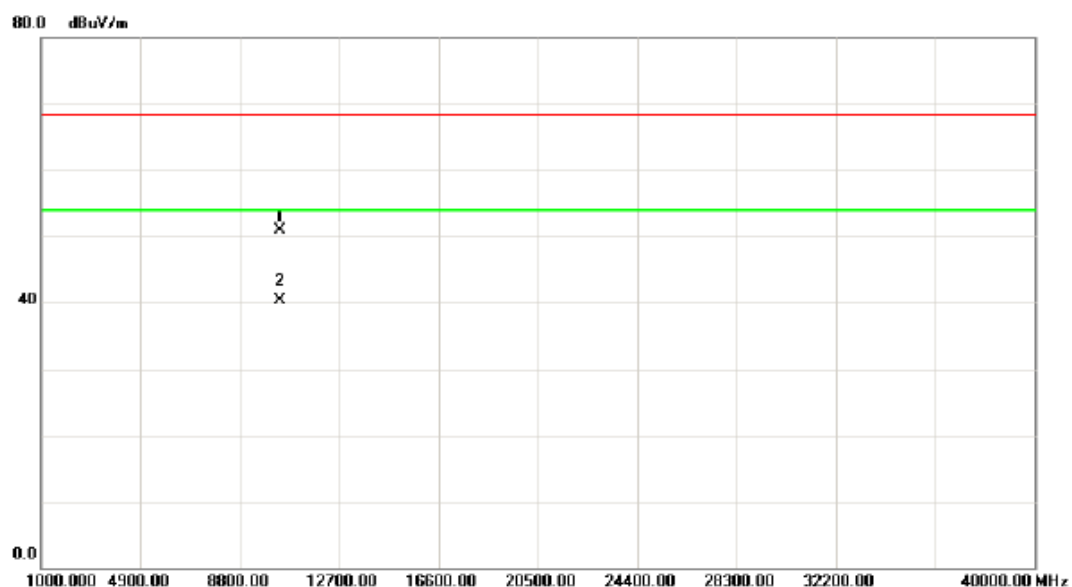
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	19.03	39.00	58.03	68.30	-10.27	peak	
2		5150.000	9.53	39.00	48.53	54.00	-5.47	AVG	
3	X	5186.600	58.17	39.12	97.29	68.30	28.99	peak	No Limit
4	*	5187.200	48.23	39.12	87.35	54.00	33.35	AVG	No Limit

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

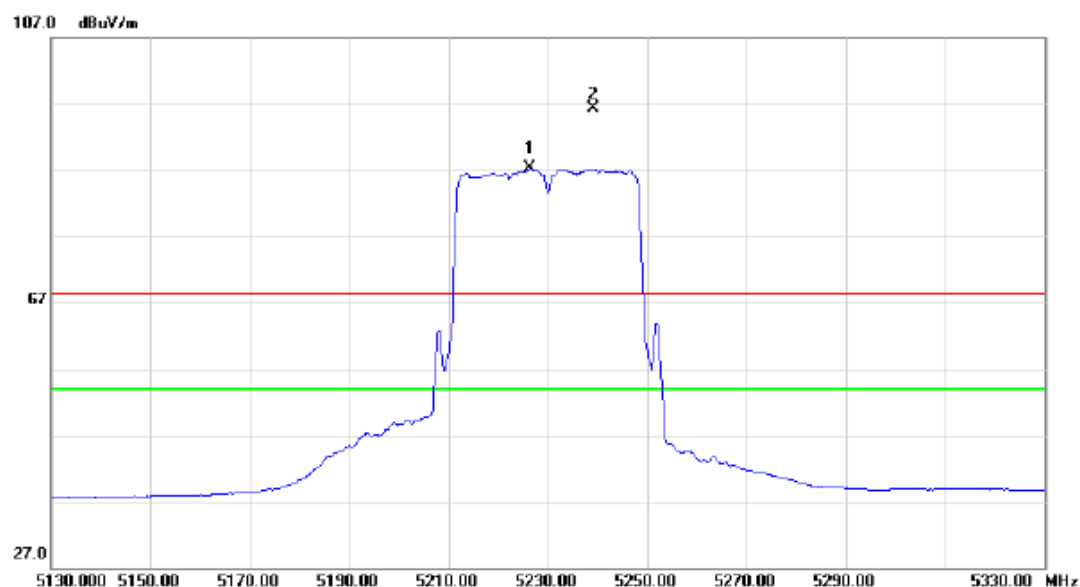
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10379.76	32.54	18.37	50.91	68.30	-17.39	peak	
2	*	10379.76	22.01	18.37	40.38	54.00	-13.62	AVG	

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

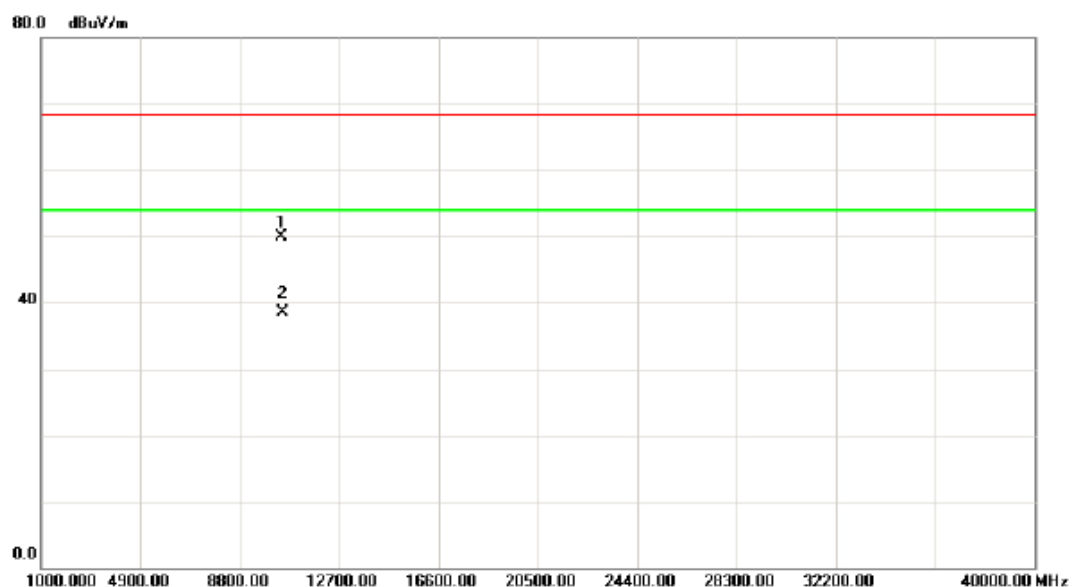
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5226.400	47.95	39.26	87.21	54.00	33.21	AVG	No Limit
2	X	5239.200	57.03	39.29	96.32	68.30	28.02	peak	No Limit

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

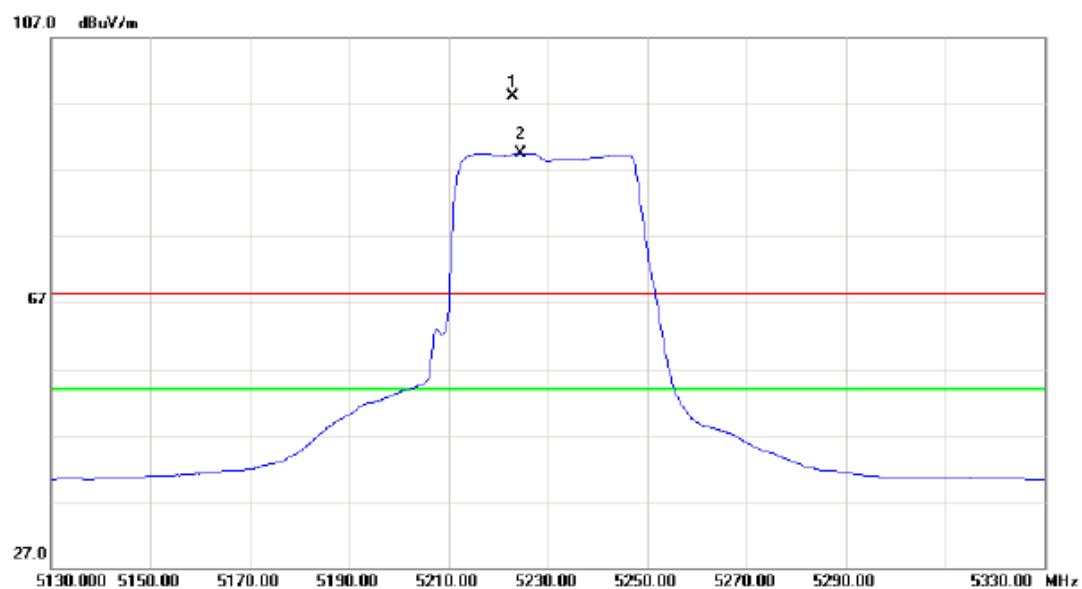
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10458.76	31.54	18.39	49.93	68.30	-18.37	peak	
2	*	10459.83	20.17	18.39	38.56	54.00	-15.44	AVG	

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

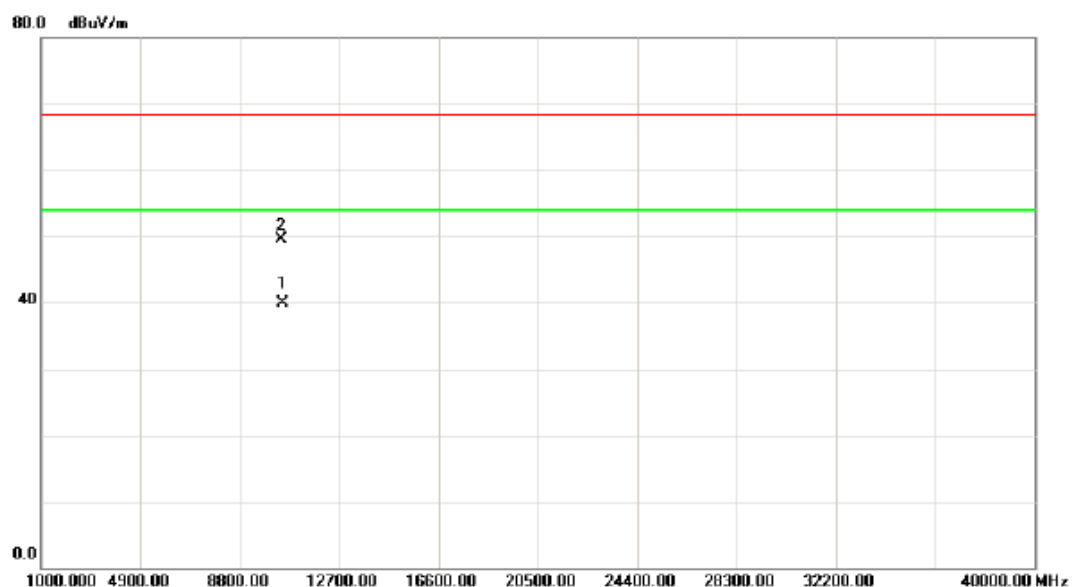
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5222.800	58.91	39.24	98.15	68.30	29.85	peak	No Limit
2	*	5224.600	50.35	39.25	89.60	54.00	35.60	AVG	No Limit

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

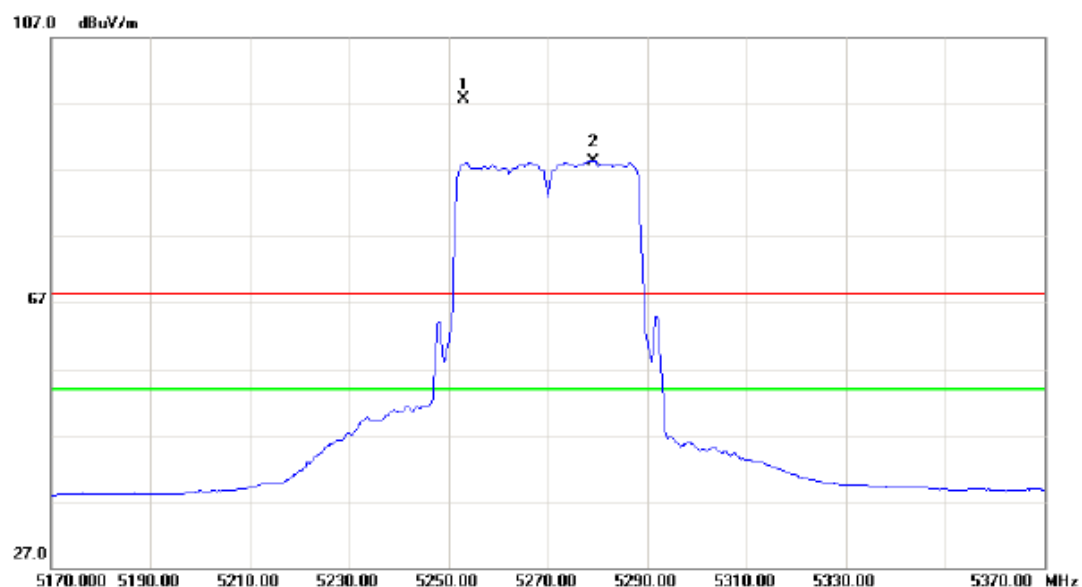
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10461.05	21.54	18.39	39.93	54.00	-14.07	AVG	
2		10462.27	31.07	18.39	49.46	68.30	-18.84	peak	

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

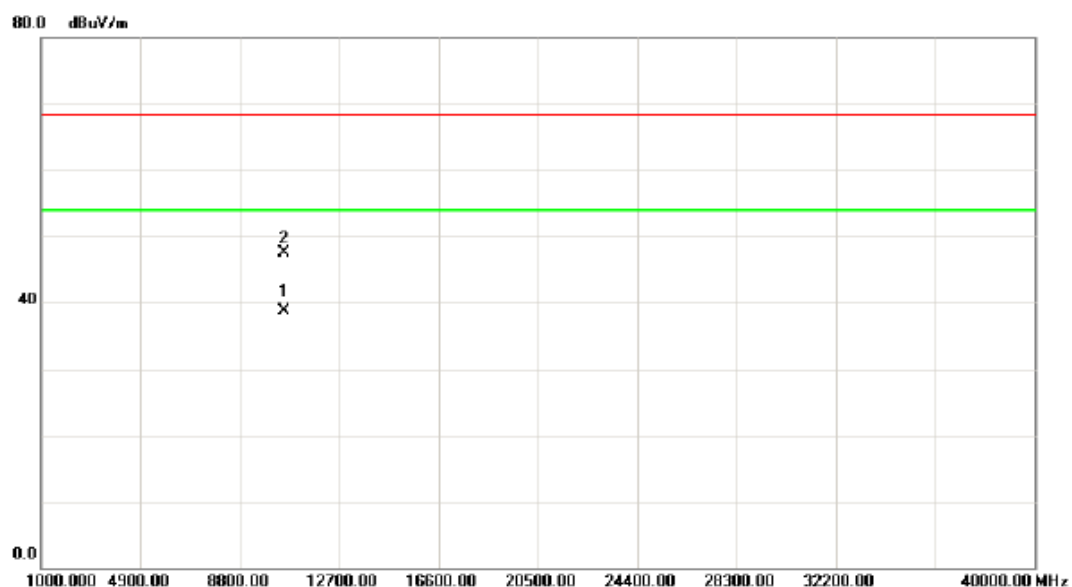
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5253.000	58.43	39.34	97.77	68.30	29.47	peak	No Limit
2	*	5279.200	48.90	39.43	88.33	54.00	34.33	AVG	No Limit

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

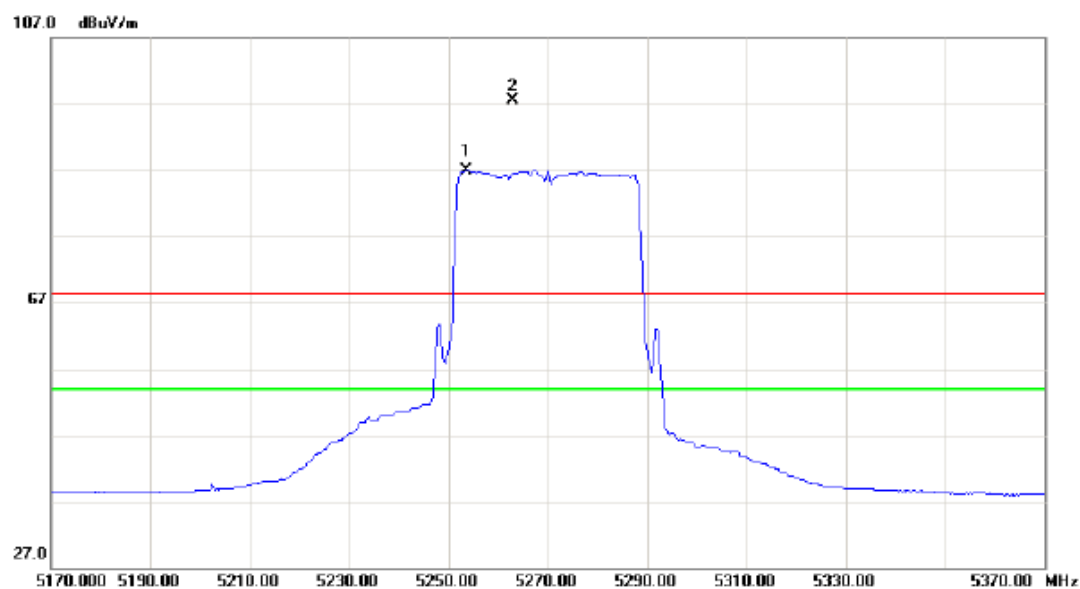
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10539.45	20.38	18.42	38.80	54.00	-15.20	AVG	
2		10540.79	29.16	18.42	47.58	68.30	-20.72	peak	

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

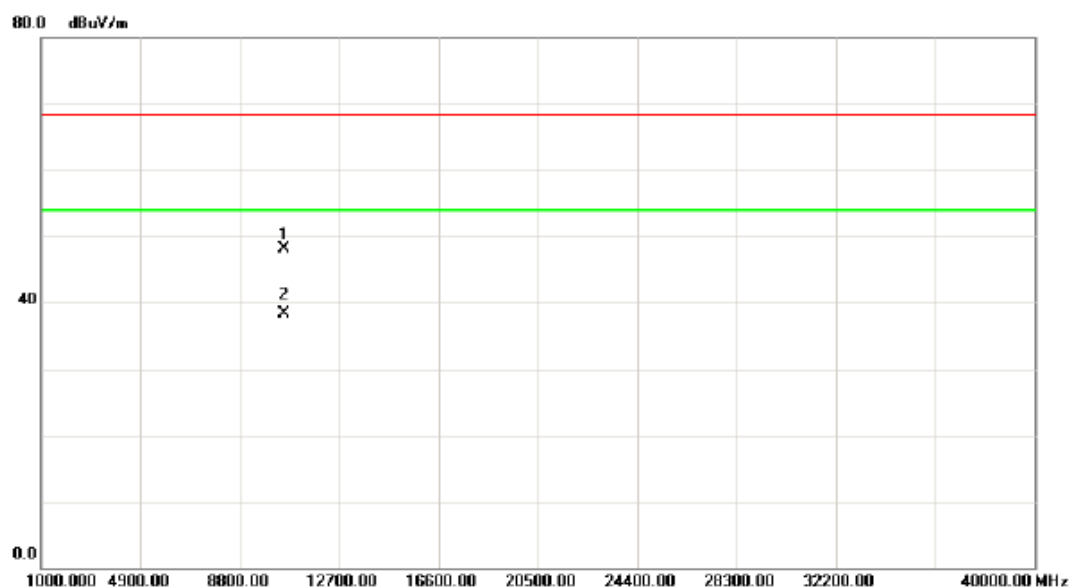
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5253.600	47.66	39.34	87.00	54.00	33.00	AVG	No Limit
2	X	5262.800	58.22	39.38	97.60	68.30	29.30	peak	No Limit

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

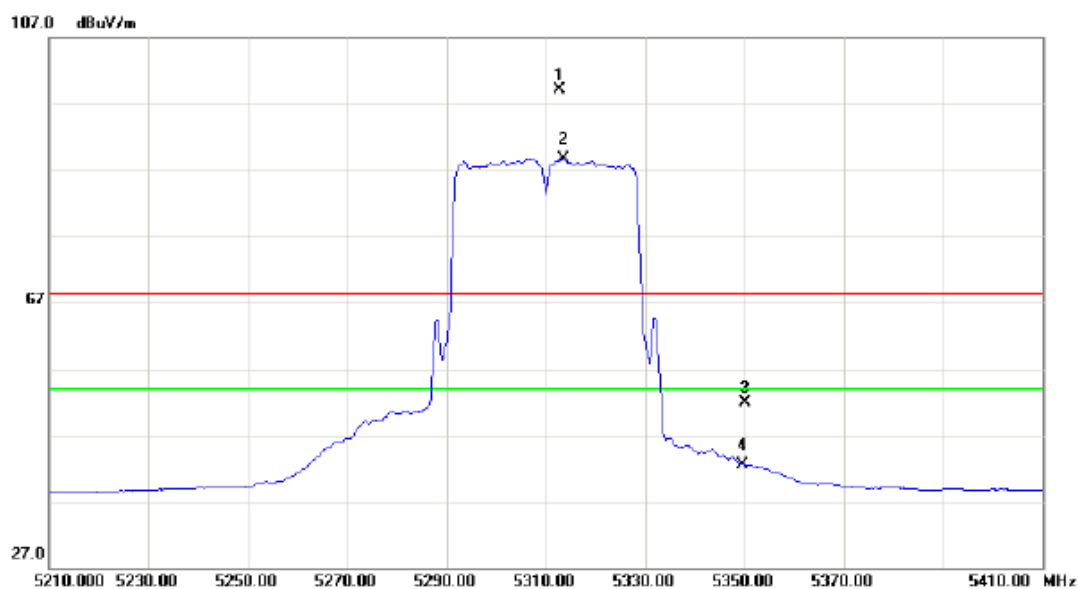
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10541.37	29.76	18.42	48.18	68.30	-20.12	peak	
2	*	10541.86	19.83	18.43	38.26	54.00	-15.74	AVG	

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

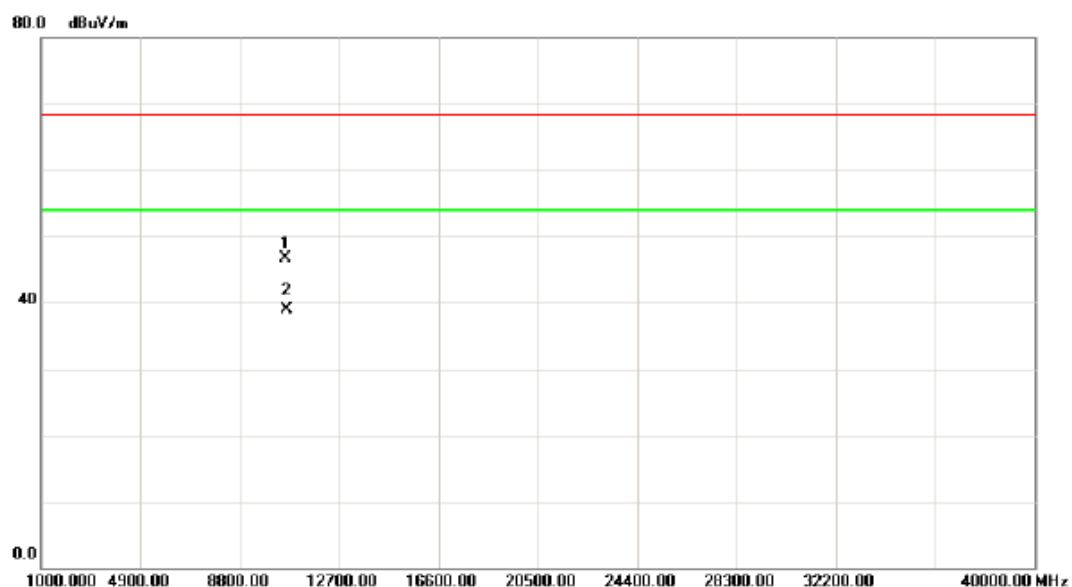
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5312.800	59.55	39.54	99.09	68.30	30.79	peak	No Limit
2	*	5313.600	49.14	39.54	88.68	54.00	34.68	AVG	No Limit
3		5350.000	12.21	39.66	51.87	68.30	-16.43	peak	
4		5350.000	2.89	39.66	42.55	54.00	-11.45	AVG	

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

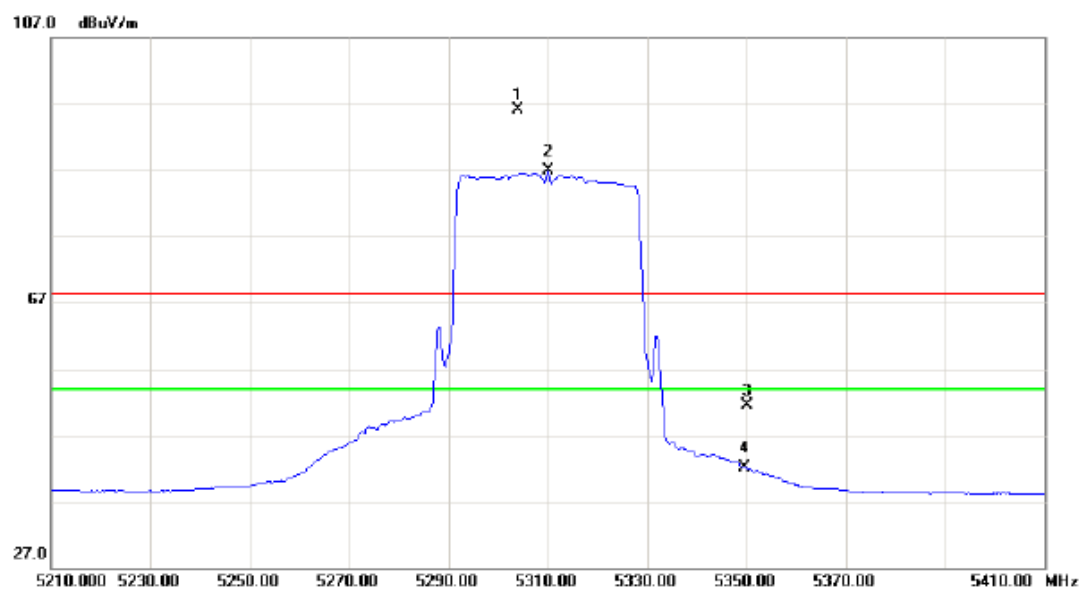
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10619.20	28.17	18.44	46.61	68.30	-21.69	peak	
2	*	10620.50	20.53	18.44	38.97	54.00	-15.03	AVG	

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

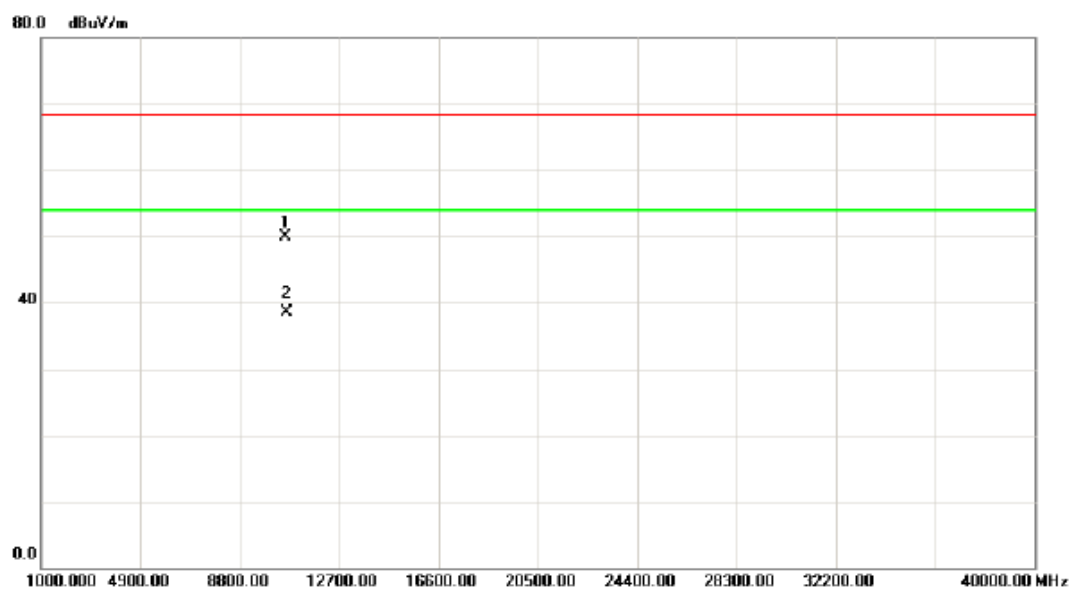
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5304.000	56.58	39.50	96.08	68.30	27.78	peak	No Limit
2	*	5310.000	47.34	39.53	86.87	54.00	32.87	AVG	No Limit
3		5350.000	11.86	39.66	51.52	68.30	-16.78	peak	
4		5350.000	2.41	39.66	42.07	54.00	-11.93	AVG	

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

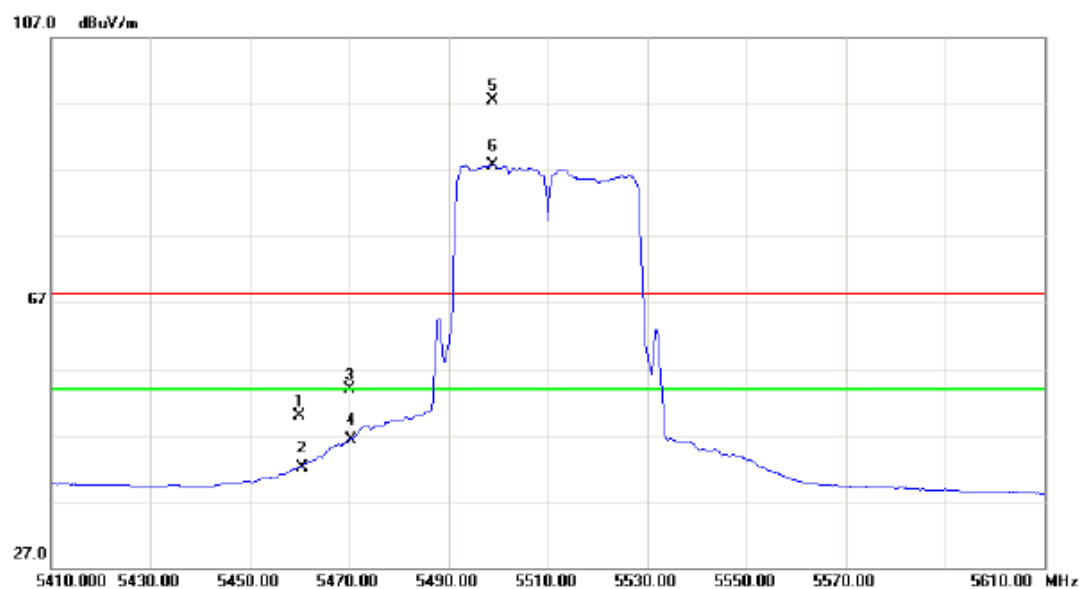
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10619.11	31.52	18.44	49.96	68.30	-18.34	peak	
2	*	10620.48	20.14	18.44	38.58	54.00	-15.42	AVG	

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

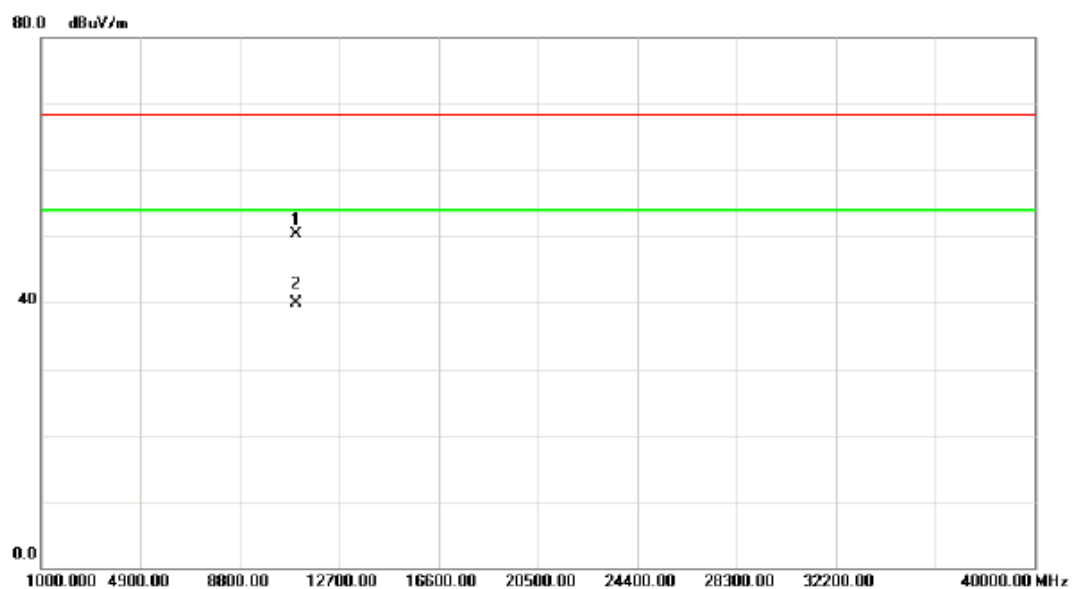
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5460.000	9.86	40.03	49.89	68.30	-18.41	peak	
2		5460.000	2.16	40.03	42.19	54.00	-11.81	AVG	
3		5470.000	13.88	40.06	53.94	68.30	-14.36	peak	
4		5470.000	6.25	40.06	46.31	54.00	-7.69	AVG	
5	X	5498.800	57.38	40.16	97.54	68.30	29.24	peak	No Limit
6	*	5499.000	47.62	40.16	87.78	54.00	33.78	AVG	No Limit

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

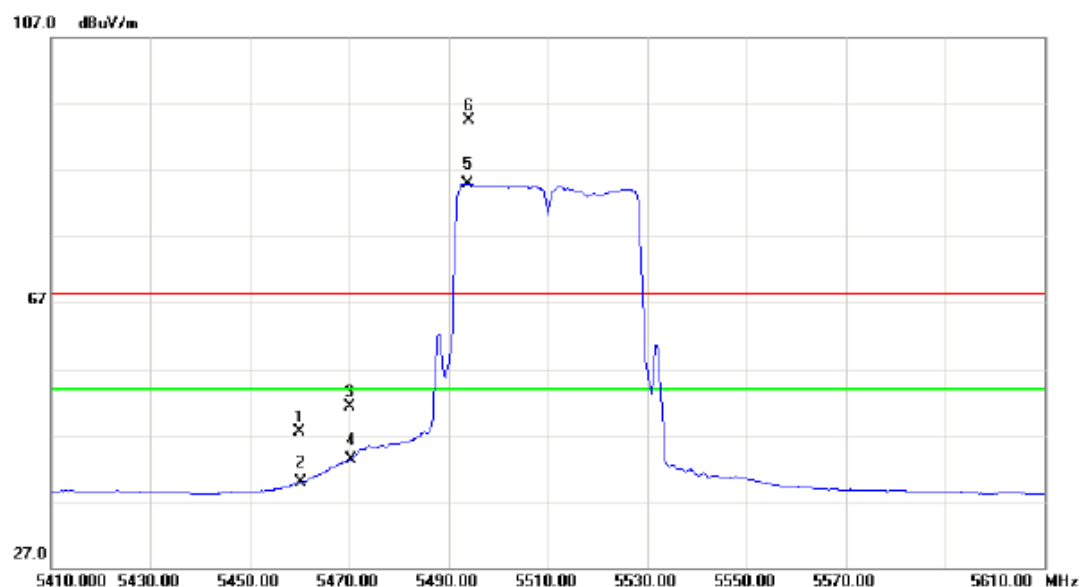
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11018.53	31.72	18.58	50.30	68.30	-18.00	peak	
2	*	11018.53	21.31	18.58	39.89	54.00	-14.11	AVG	

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

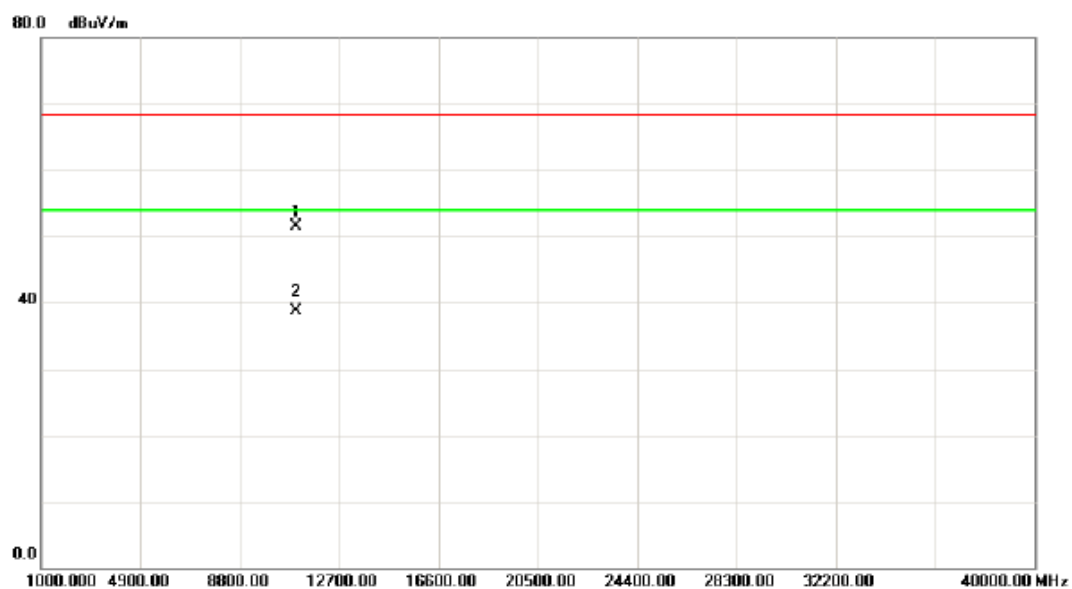
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5460.000	7.42	40.03	47.45	68.30	-20.85	peak	
2		5460.000	-0.17	40.03	39.86	54.00	-14.14	AVG	
3		5470.000	11.20	40.06	51.26	68.30	-17.04	peak	
4		5470.000	3.22	40.06	43.28	54.00	-10.72	AVG	
5	*	5493.800	44.80	40.14	84.94	54.00	30.94	AVG	No Limit
6	X	5494.000	54.30	40.14	94.44	68.30	26.14	peak	No Limit

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

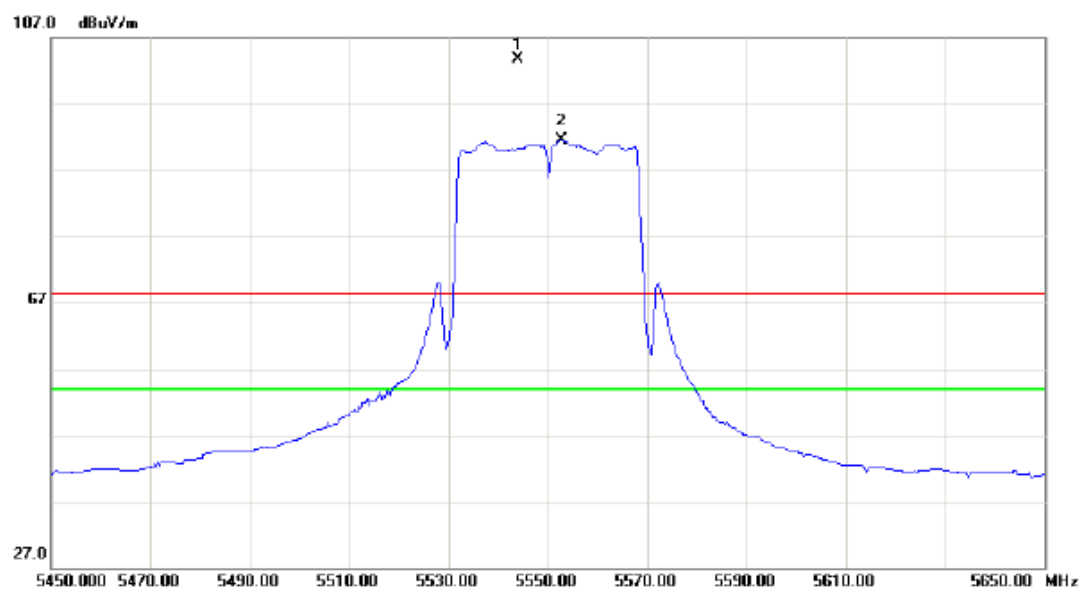
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11018.23	32.86	18.58	51.44	68.30	-16.86	peak	
2	*	11019.59	20.08	18.59	38.67	54.00	-15.33	AVG	

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

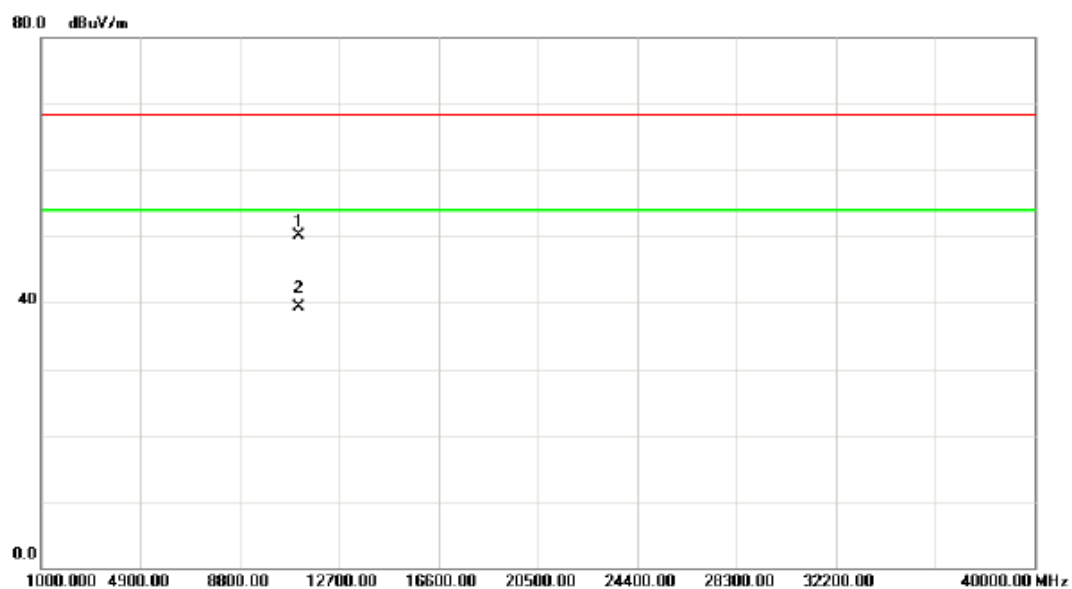
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5543.900	63.28	40.34	103.62	68.30	35.32	peak	No Limit
2	*	5552.800	51.12	40.38	91.50	54.00	37.50	AVG	

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

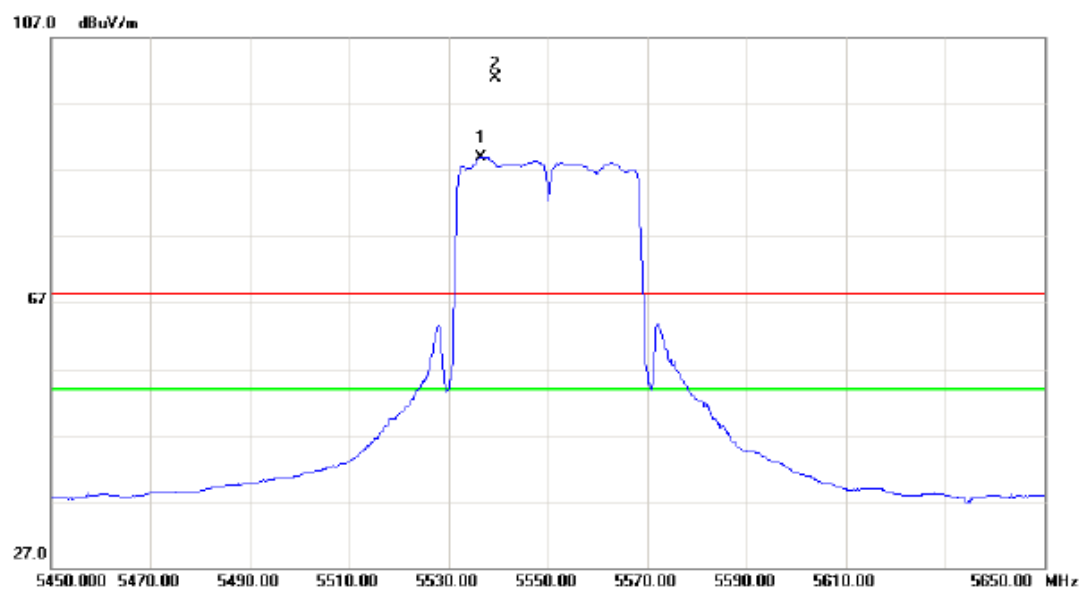
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11099.25	31.28	18.79	50.07	68.30	-18.23	peak	
2	*	11099.25	20.56	18.79	39.35	54.00	-14.65	AVG	

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

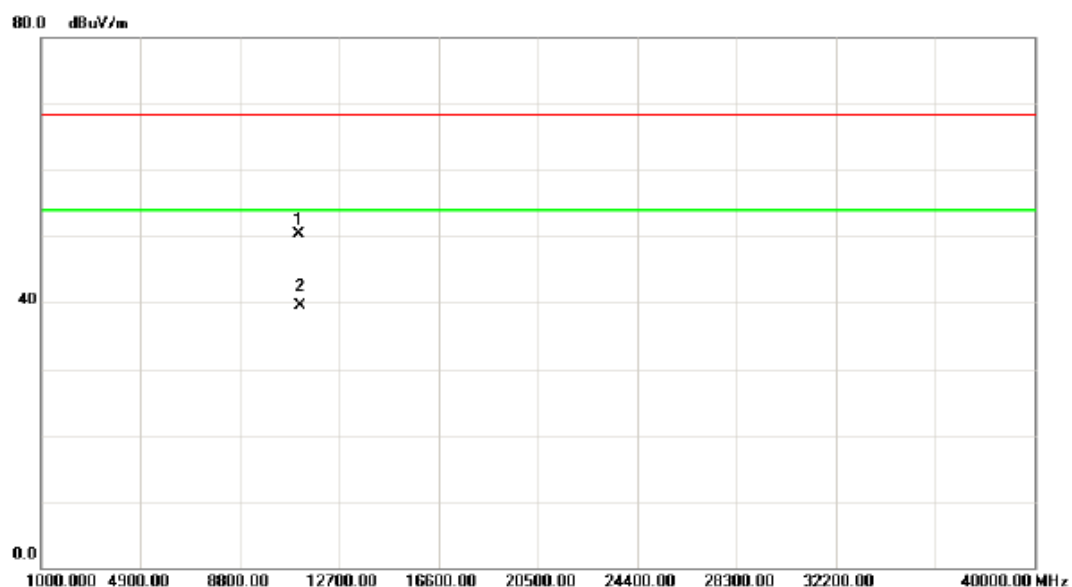
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5536.400	48.62	40.31	88.93	54.00	34.93	AVG	
2	X	5539.400	60.64	40.32	100.96	68.30	32.66	peak	No Limit

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

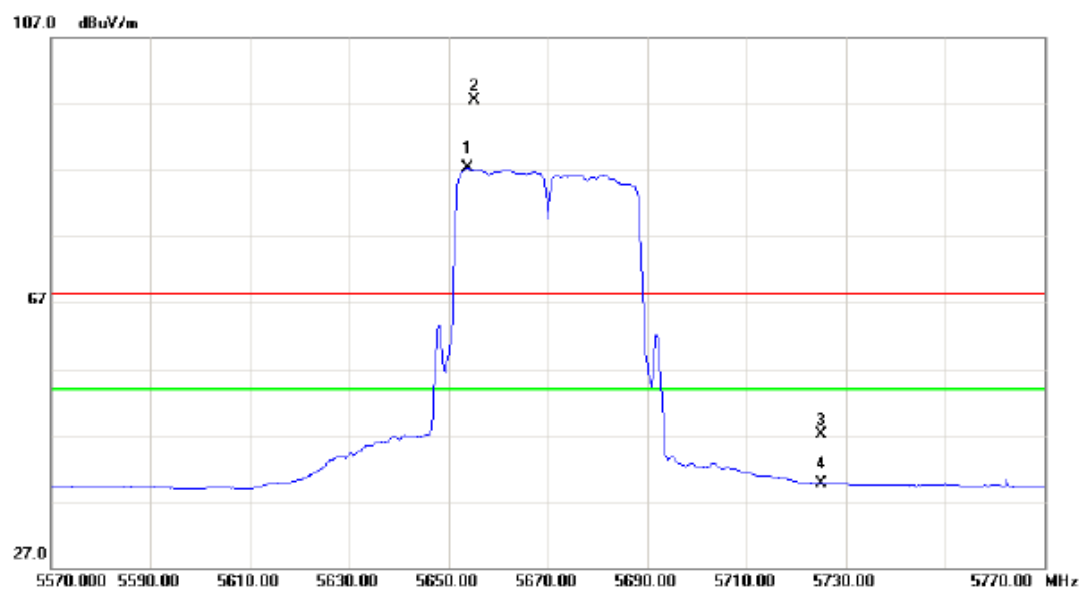
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11102.37	31.52	18.81	50.33	68.30	-17.97	peak	
2	*	11102.37	20.69	18.81	39.50	54.00	-14.50	AVG	

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

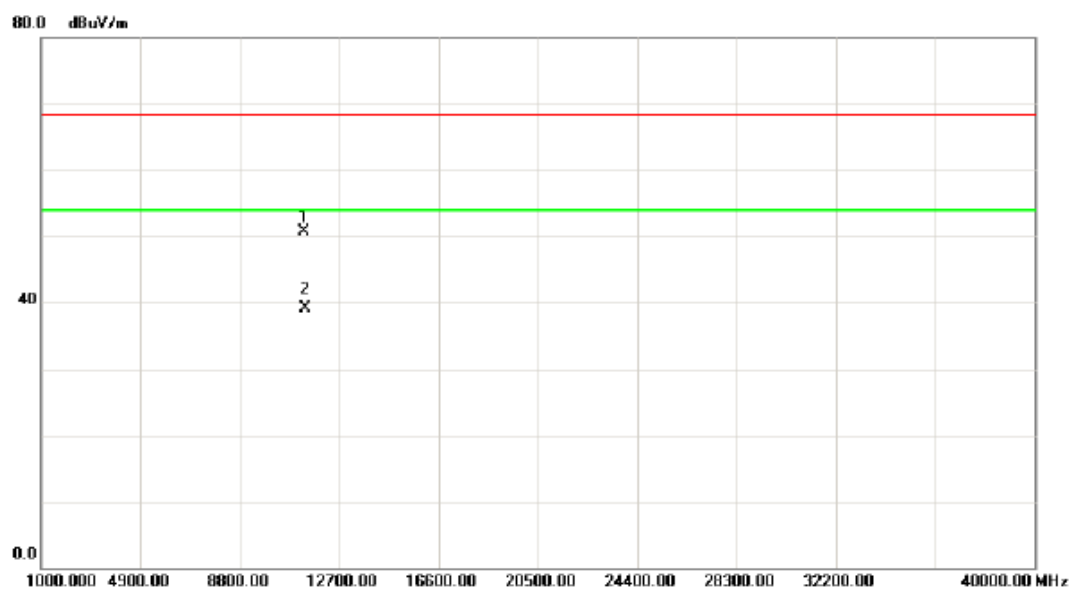
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5653.800	46.45	40.80	87.25	54.00	33.25	AVG	No Limit
2	X	5655.200	56.63	40.80	97.43	68.30	29.13	peak	No Limit
3		5725.000	6.05	41.10	47.15	68.30	-21.15	peak	
4		5725.000	-1.38	41.10	39.72	54.00	-14.28	AVG	

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

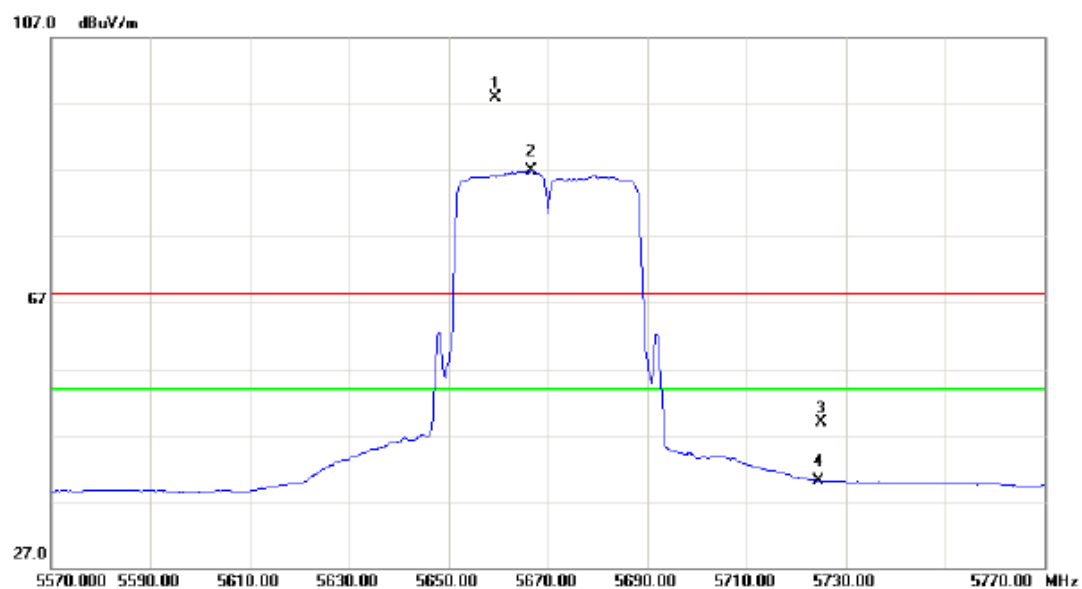
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11338.35	31.23	19.41	50.64	68.30	-17.66	peak	
2	*	11338.35	19.68	19.41	39.09	54.00	-14.91	AVG	

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

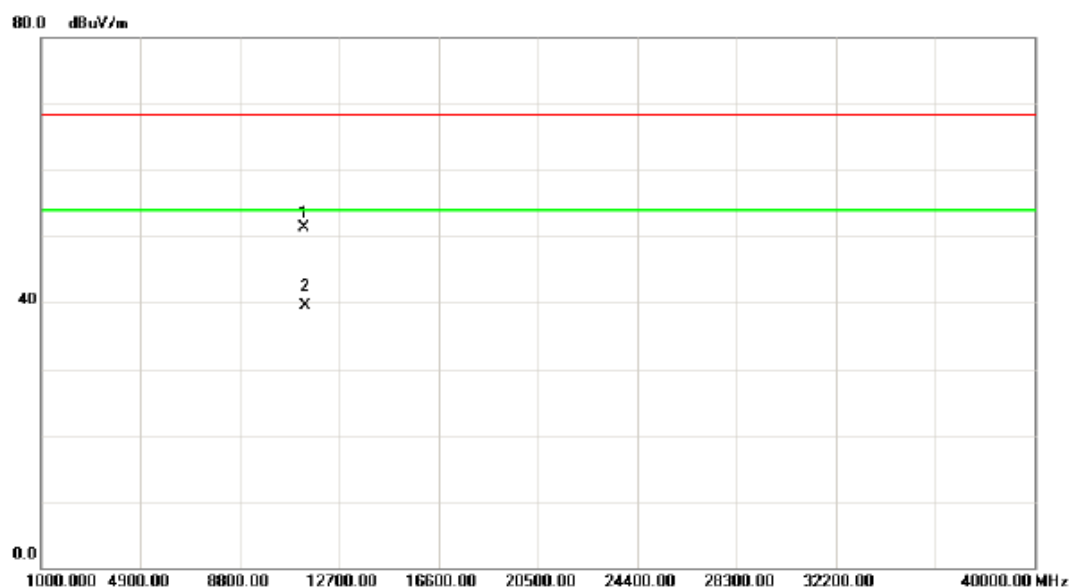
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5659.400	57.13	40.82	97.95	68.30	29.65	peak	No Limit
2	*	5666.600	45.98	40.85	86.83	54.00	32.83	AVG	No Limit
3		5725.000	7.84	41.10	48.94	68.30	-19.36	peak	
4		5725.000	-0.91	41.10	40.19	54.00	-13.81	AVG	

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

Horizontal



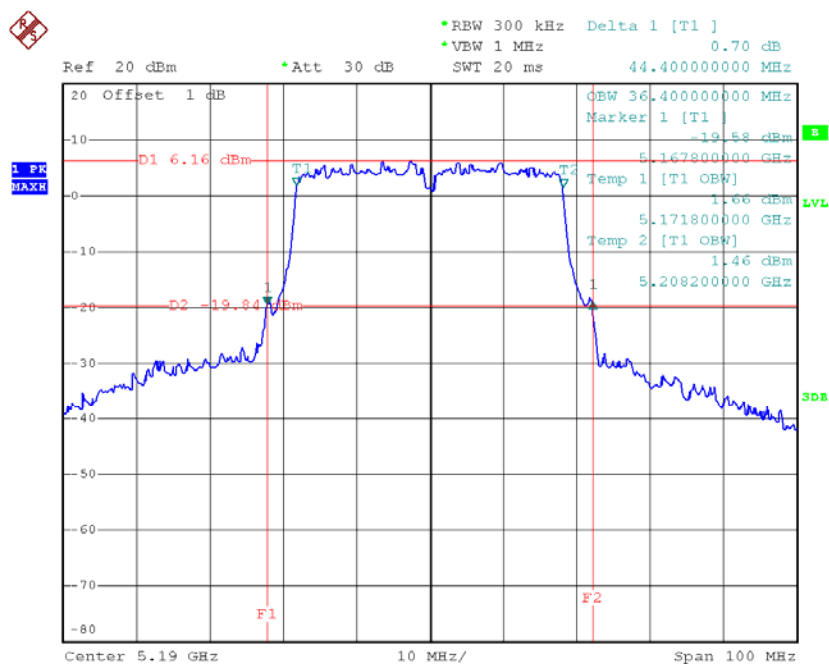
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		11338.54	31.82	19.41	51.23	68.30	-17.07	peak	
2	*	11338.54	20.17	19.41	39.58	54.00	-14.42	AVG	

ATTACHMENT E - BANDWIDTH

Test Mode: UNII-1/TX N40 Mode_CH38/CH46

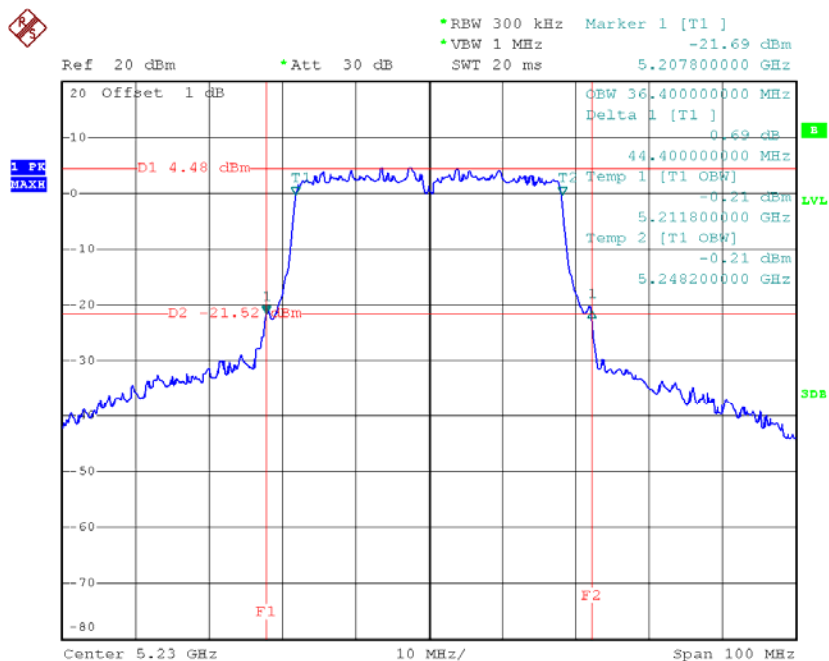
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	44.40	36.40
CH46	5230	44.40	36.40

TX CH38



Date: 10.JUL.2014 17:38:39

TX CH46

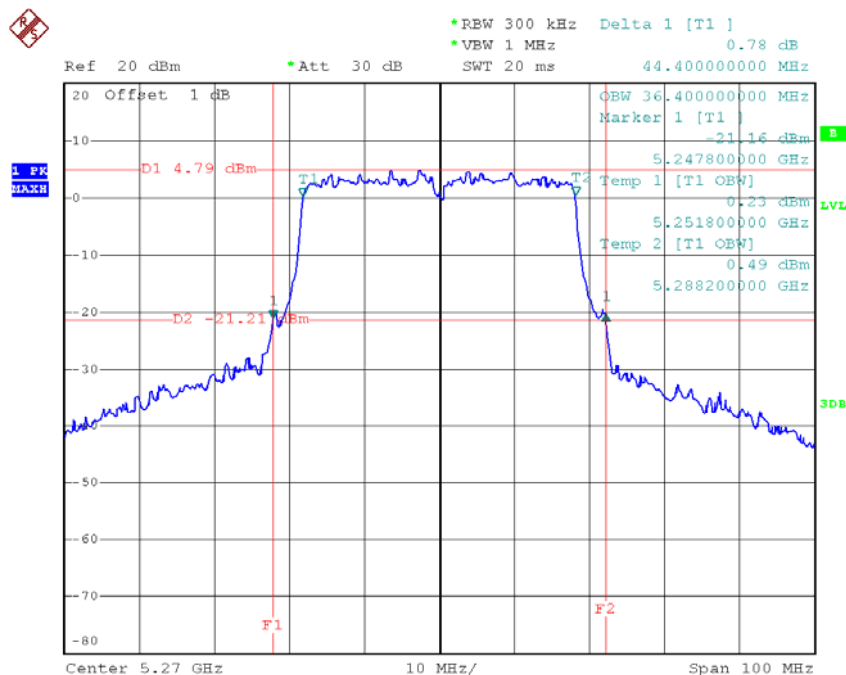


Date: 10.JUL.2014 18:11:34

Test Mode: UNII-2A/TX N40 Mode_CH54/CH62

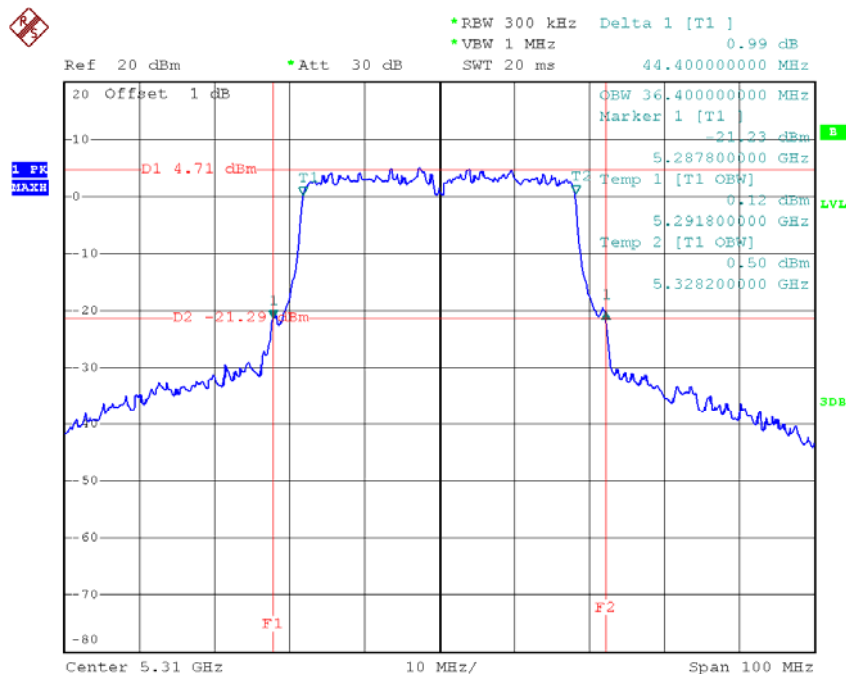
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH54	5270	44.40	36.40
CH62	5310	44.40	36.40

TX CH54



Date: 10.JUL.2014 19:28:30

TX CH62

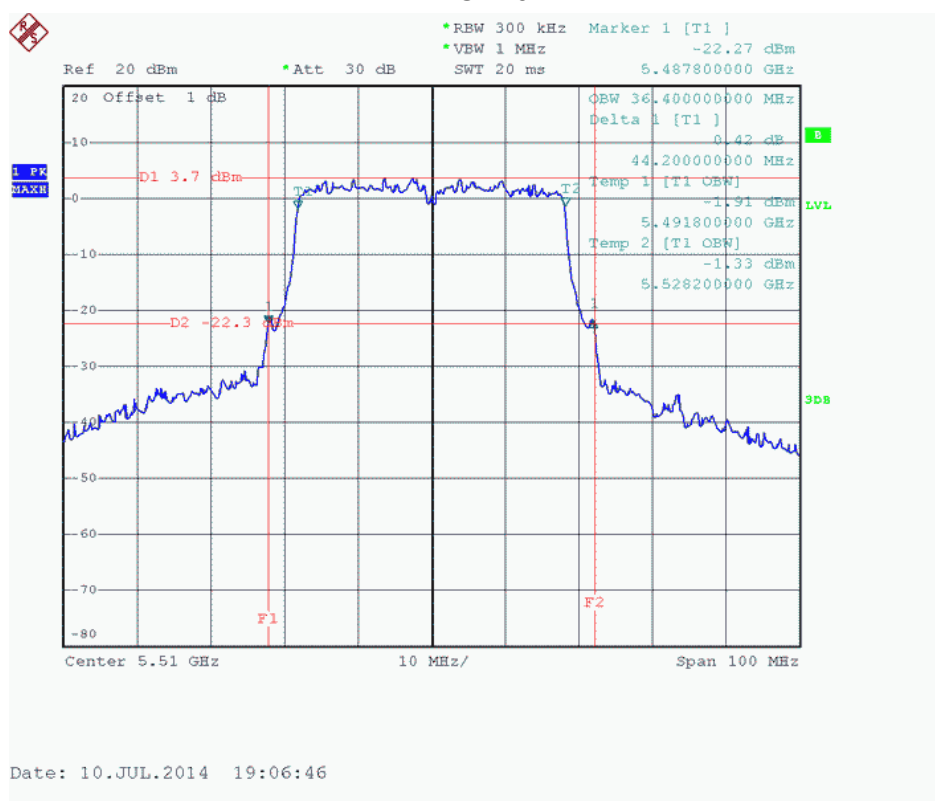


Date: 10.JUL.2014 19:36:49

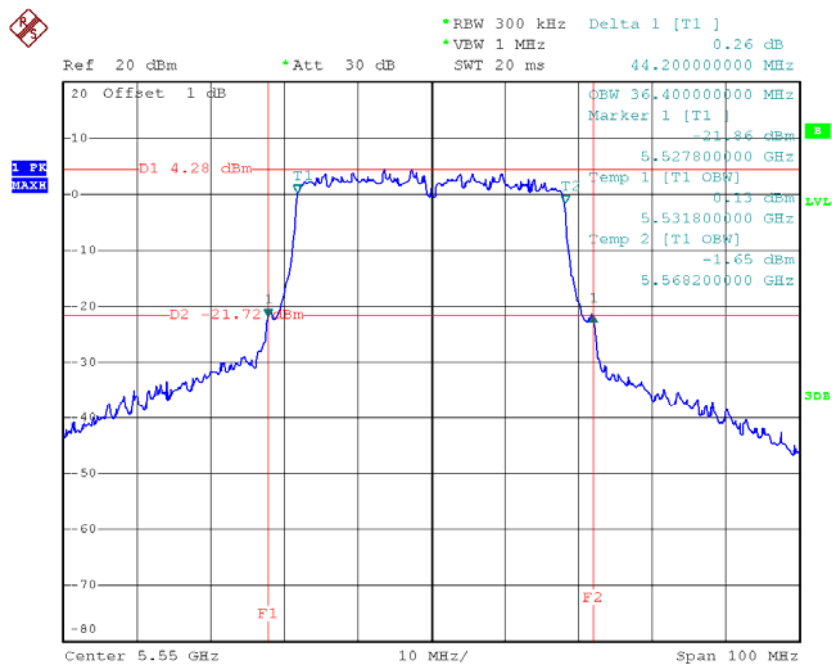
Test Mode: UNII-2C/TX N40 Mode_CH102/CH110/CH134

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH102	5510	44.20	36.40
CH110	5550	44.20	36.40
CH134	5670	44.60	36.40

TX CH102

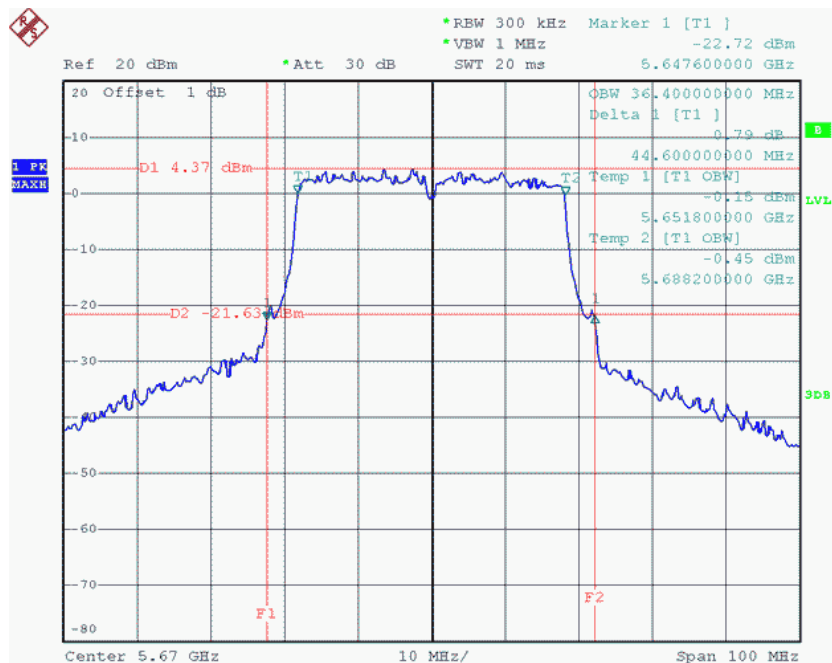


TX CH110



Date: 10.JUL.2014 19:13:42

TX CH134



Date: 10.JUL.2014 18:07:13

ATTACHMENT F - MAXIMUM OUTPUT POWER

Test Mode: UNII-1/TX N40 Mode_ANT A

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	10.91	17.00	0.0501
CH46	5230	10.89	17.00	0.0501

Test Mode: UNII-1/TX N40 Mode_ANT B

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	10.75	17.00	0.0501
CH46	5230	10.78	17.00	0.0501

Test Mode: UNII-1/TX N40 Mode_ANT C

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	10.76	17.00	0.0501
CH46	5230	10.74	17.00	0.0501

Test Mode: UNII-1/TX N40 Mode_ANT D

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	10.86	17.00	0.0501
CH46	5230	10.84	17.00	0.0501

Test Mode: UNII-1/TX N40 Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	16.84	17.00	0.0501
CH46	5230	16.83	17.00	0.0501

Test Mode: UNII-2A/TX N40 Mode_ANT A

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH54	5270	10.23	24.00	0.25
CH62	5310	10.24	24.00	0.25

Test Mode: UNII-2A/TX N40 Mode_ANT B

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH54	5270	10.35	24.00	0.25
CH62	5310	10.38	24.00	0.25

Test Mode: UNII-2A/TX N40 Mode_ANT C

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH54	5270	9.87	24.00	0.25
CH62	5310	9.84	24.00	0.25

Test Mode: UNII-2A/TX N40 Mode_ANT D

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH54	5270	10.11	24.00	0.25
CH62	5310	10.17	24.00	0.25

Test Mode: UNII-2A/TX N40 Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH54	5270	16.16	24.00	0.25
CH62	5310	16.18	24.00	0.25

Test Mode: UNII-2C/TX N40 Mode_ANT A

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH102	5510	10.36	24.00	0.25
CH110	5550	11.59	24.00	0.25
CH134	5670	11.34	24.00	0.25

Test Mode: UNII-2C/TX N40 Mode_ANT B

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH102	5510	10.41	24.00	0.25
CH110	5550	11.53	24.00	0.25
CH134	5670	11.79	24.00	0.25

Test Mode: UNII-2C/TX N40 Mode_ANT C

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH102	5510	10.04	24.00	0.25
CH110	5550	11.29	24.00	0.25
CH134	5670	11.27	24.00	0.25

Test Mode: UNII-2C/TX N40 Mode_ANT D

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH102	5510	10.31	24.00	0.25
CH110	5550	11.67	24.00	0.25
CH134	5670	11.85	24.00	0.25

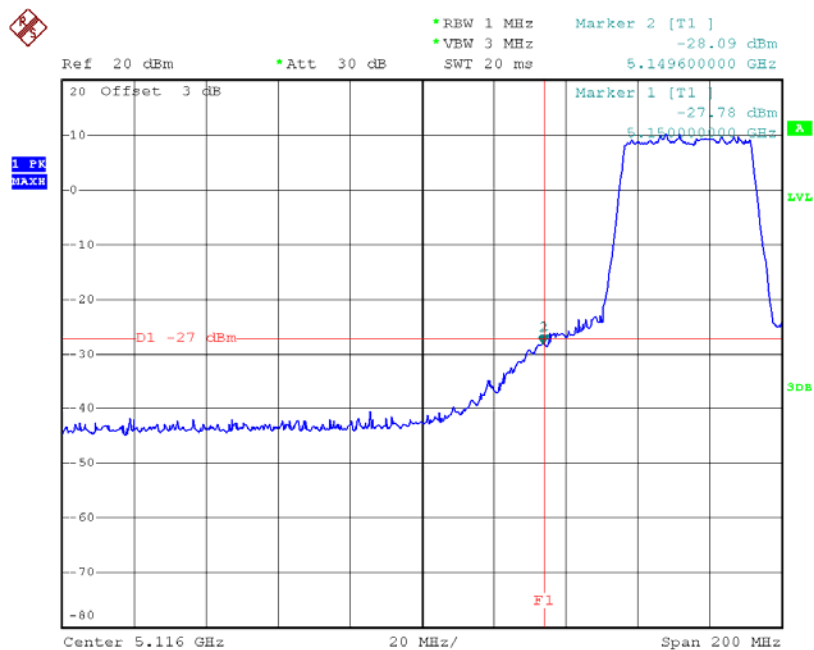
Test Mode: UNII-2C/TX N40 Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH102	5510	16.30	24.00	0.25
CH110	5550	17.54	24.00	0.25
CH134	5670	17.59	24.00	0.25

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

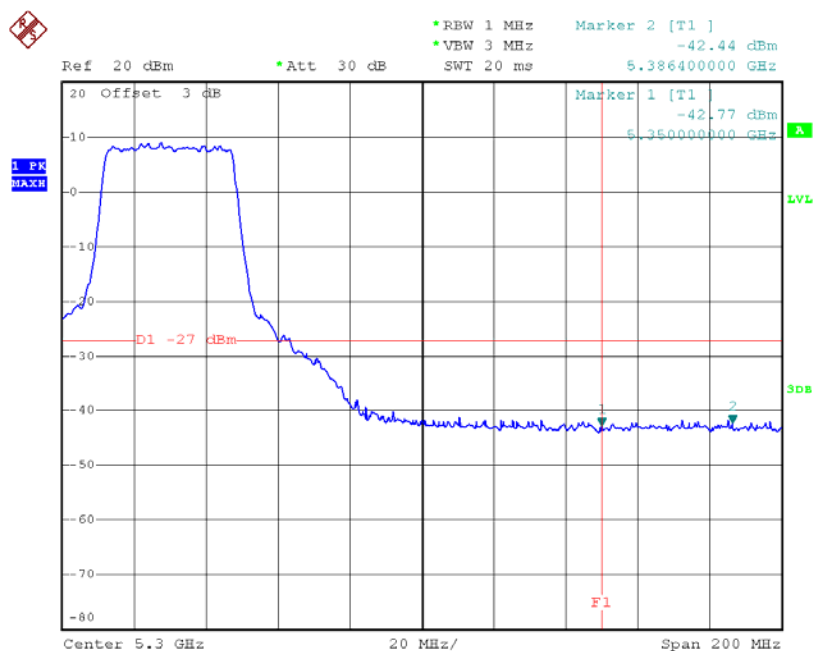
Test Mode:	UNII-1/TX N40 Mode_ANT A
------------	--------------------------

TX mode CH38



Date: 10.JUL.2014 17:47:23

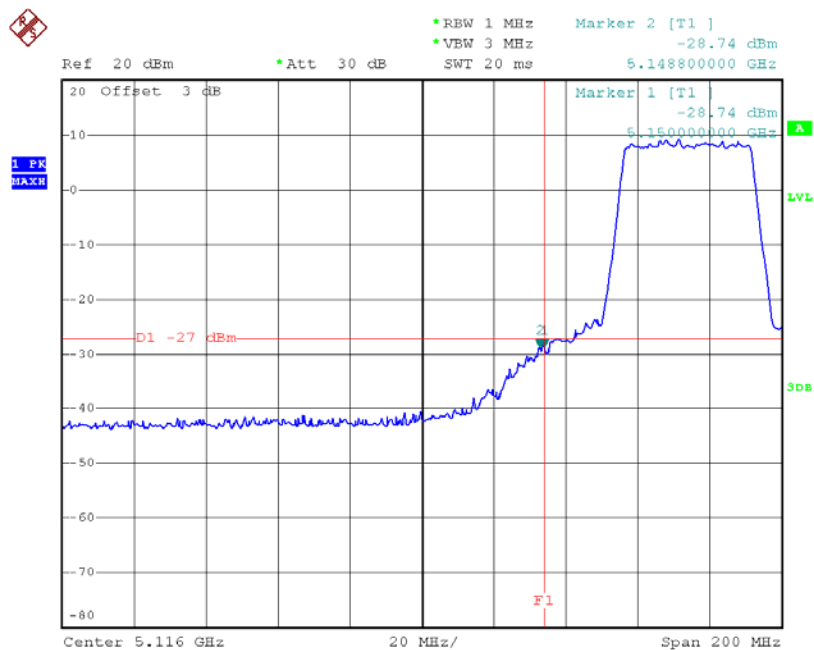
TX mode CH46



Date: 10.JUL.2014 18:19:15

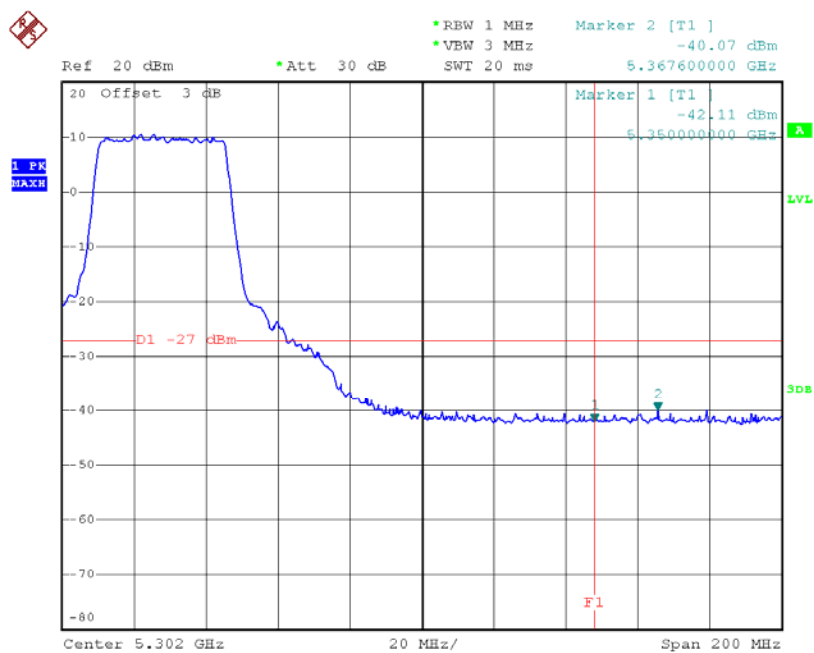
Test Mode: UNII-1/TX N40 Mode_ANT B

TX mode CH38



Date: 10.JUL.2014 17:47:57

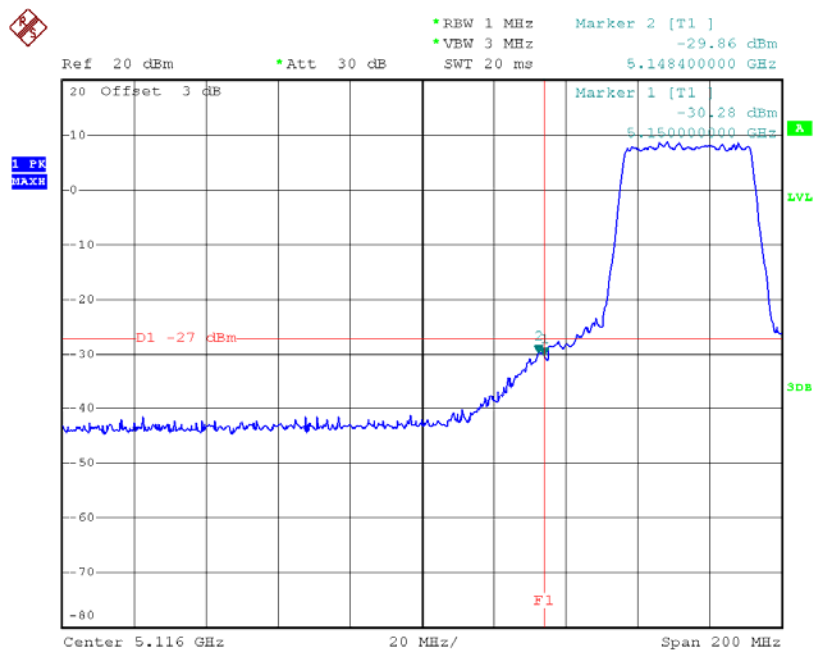
TX mode CH46



Date: 10.JUL.2014 18:17:50

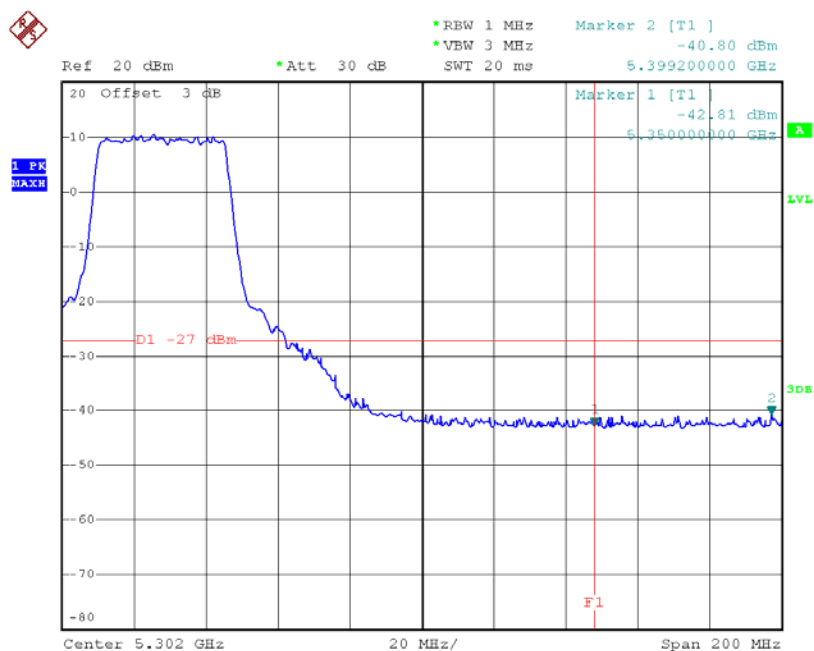
Test Mode: UNII-1/TX N40 Mode_ANT C

TX mode CH38



Date: 10.JUL.2014 17:48:20

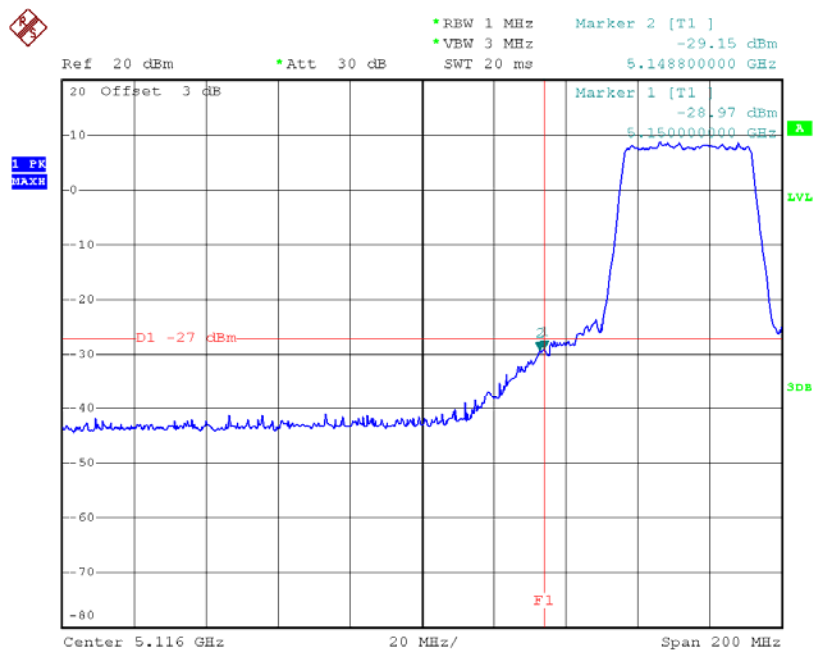
TX mode CH46



Date: 10.JUL.2014 18:18:11

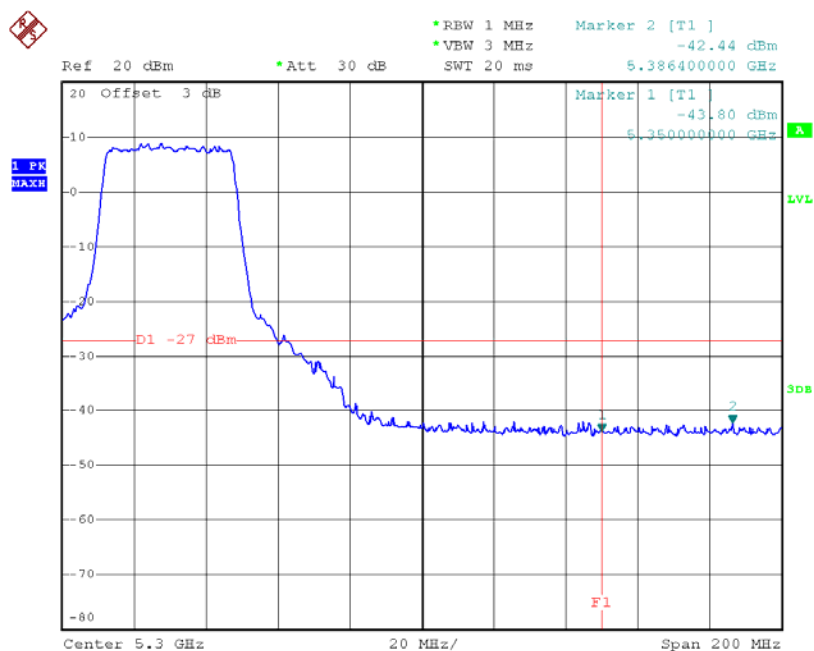
Test Mode:	UNII-1/TX N40 Mode_ANT D
------------	--------------------------

TX mode CH38



Date: 10.JUL.2014 17:48:10

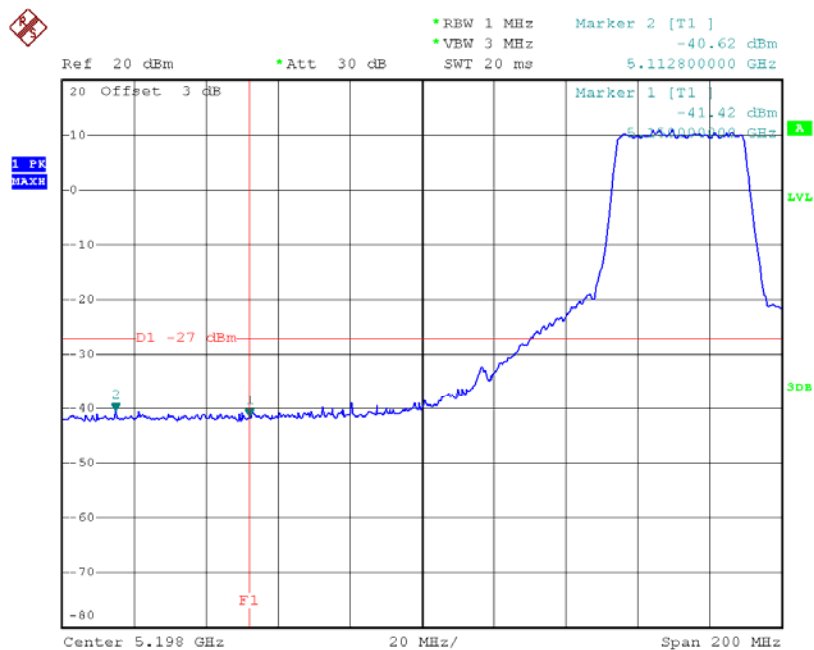
TX mode CH46



Date: 10.JUL.2014 18:18:54

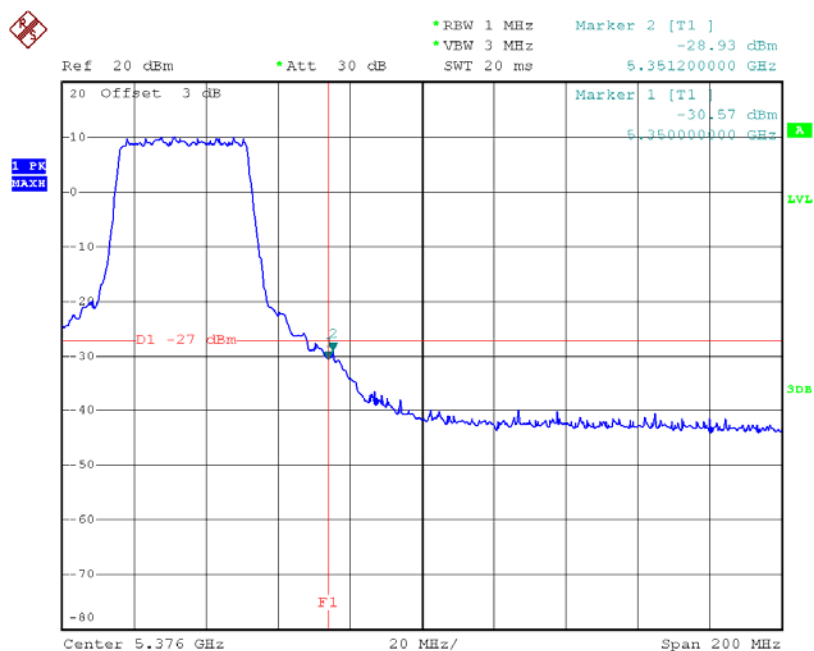
Test Mode: UNII-2A/TX N40 Mode_ANT A

TX mode CH54



Date: 10.JUL.2014 19:25:28

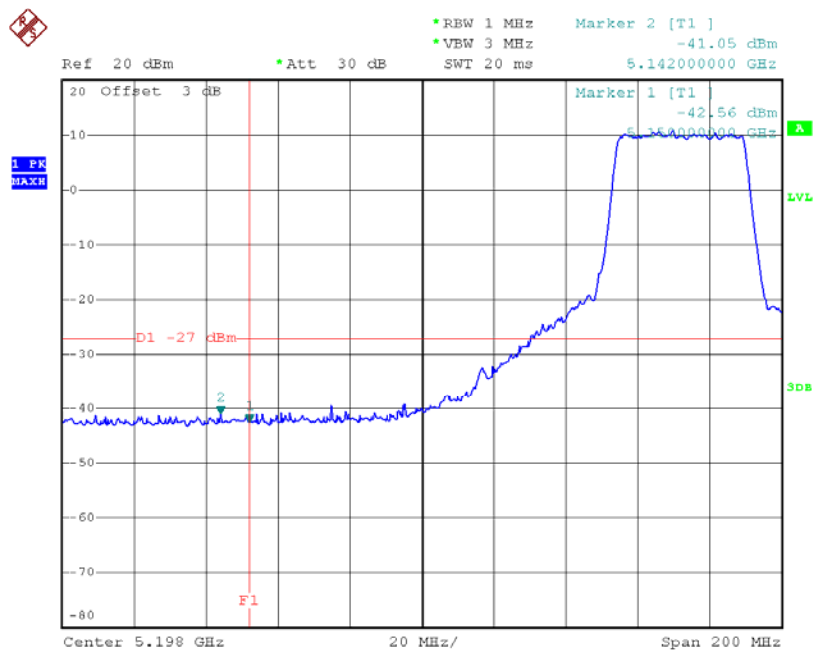
TX mode CH62



Date: 10.JUL.2014 19:43:07

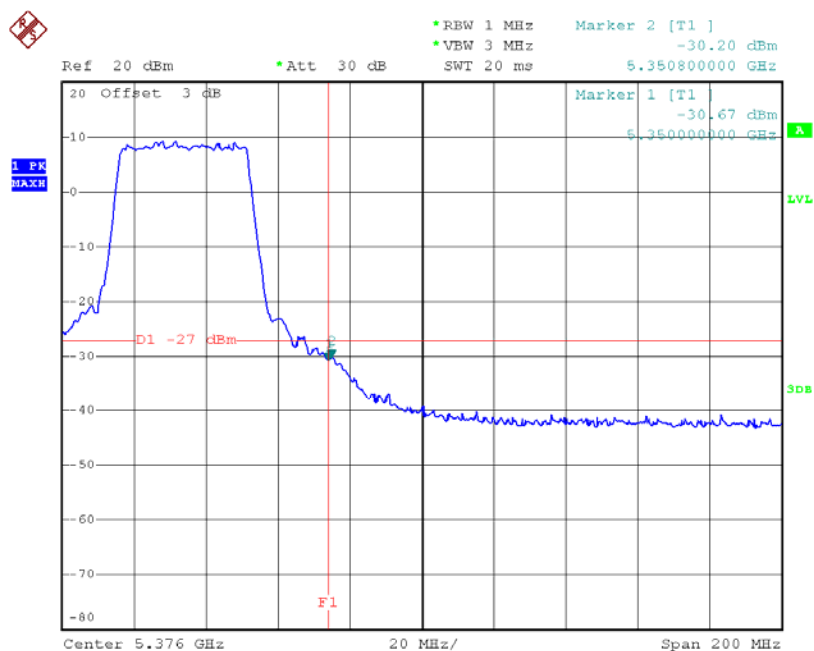
Test Mode: UNII-2A/TX N40 Mode_ANT B

TX mode CH54



Date: 10.JUL.2014 19:25:55

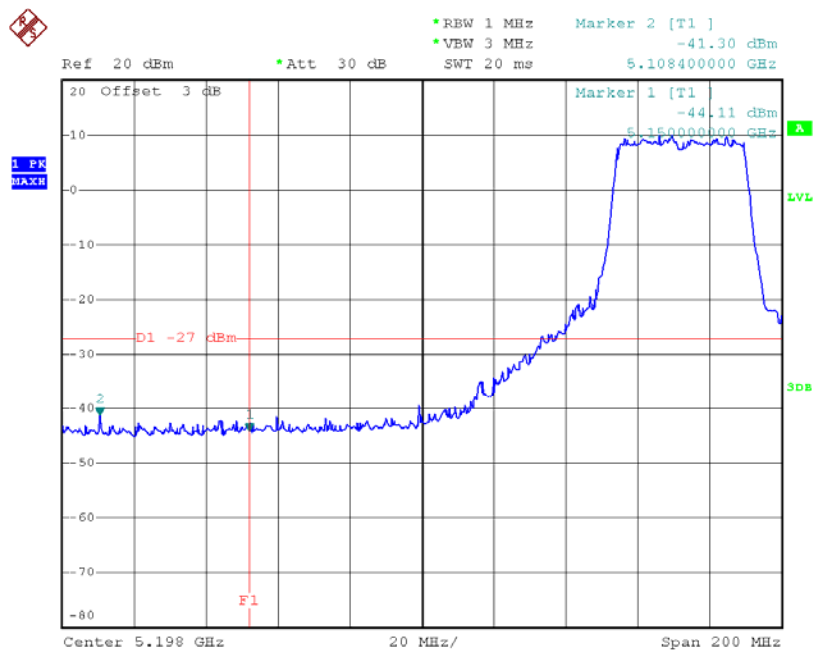
TX mode CH62



Date: 10.JUL.2014 19:41:32

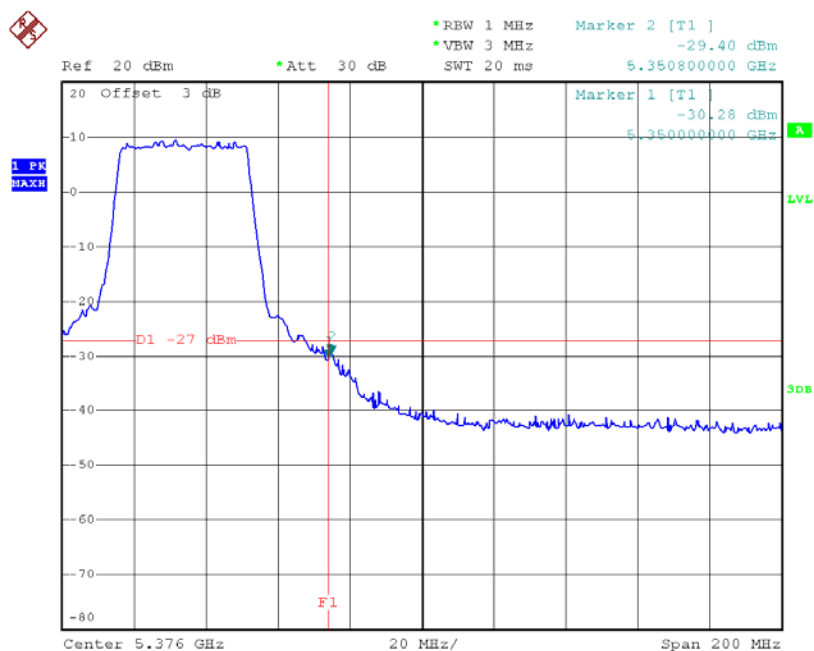
Test Mode: UNII-2A/TX N40 Mode_ANT C

TX mode CH54



Date: 10.JUL.2014 19:26:55

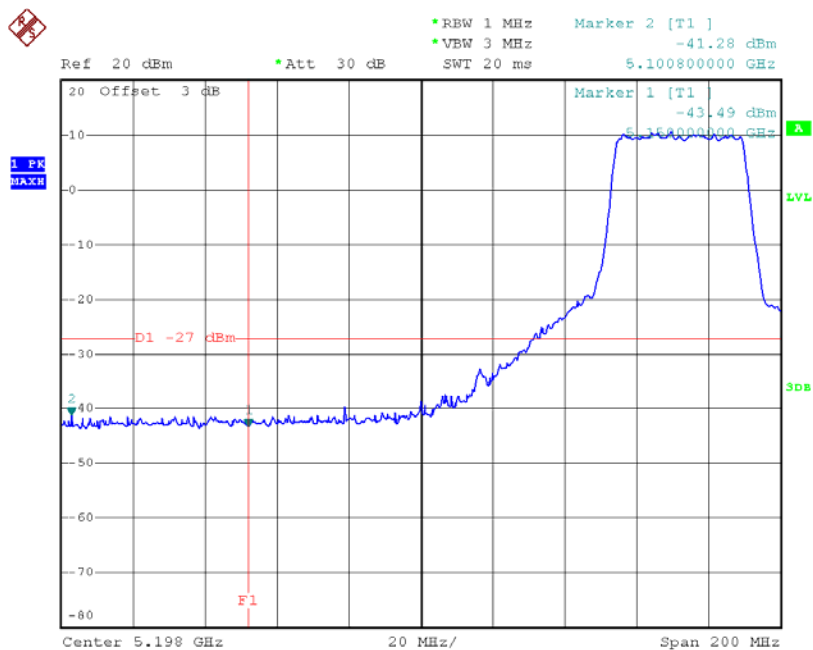
TX mode CH62



Date: 10.JUL.2014 19:41:53

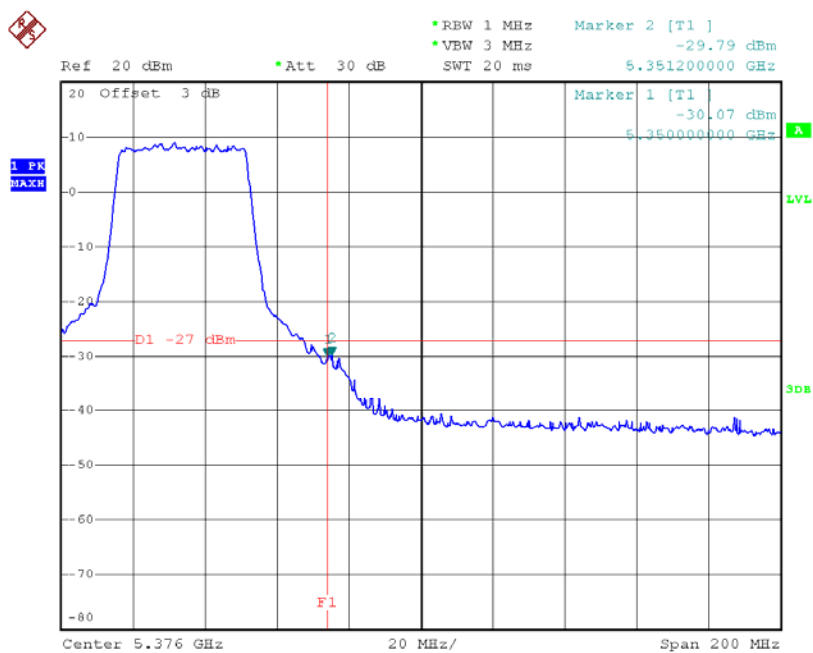
Test Mode: UNII-2A/TX N40 Mode_ANT D

TX mode CH54



Date: 10.JUL.2014 19:26:29

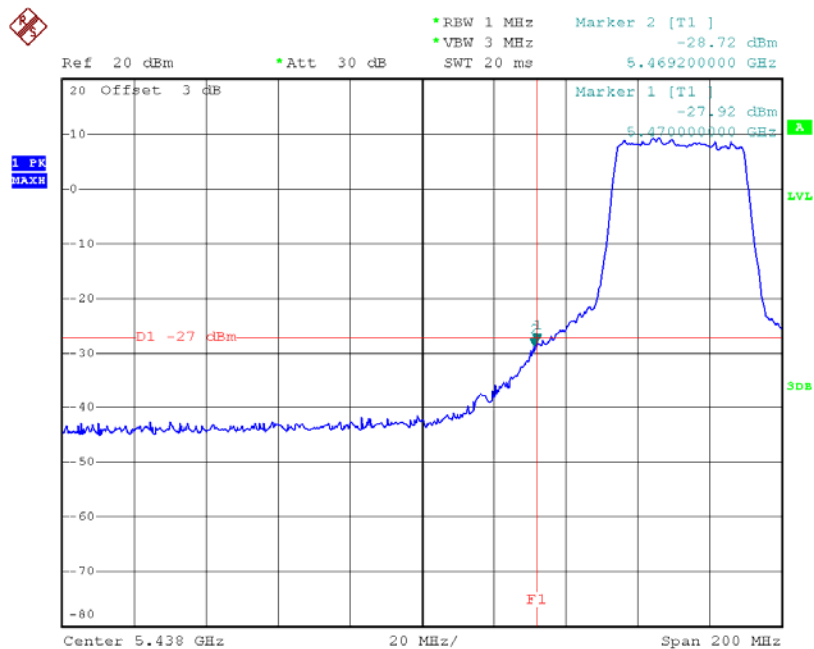
TX mode CH62



Date: 10.JUL.2014 19:42:22

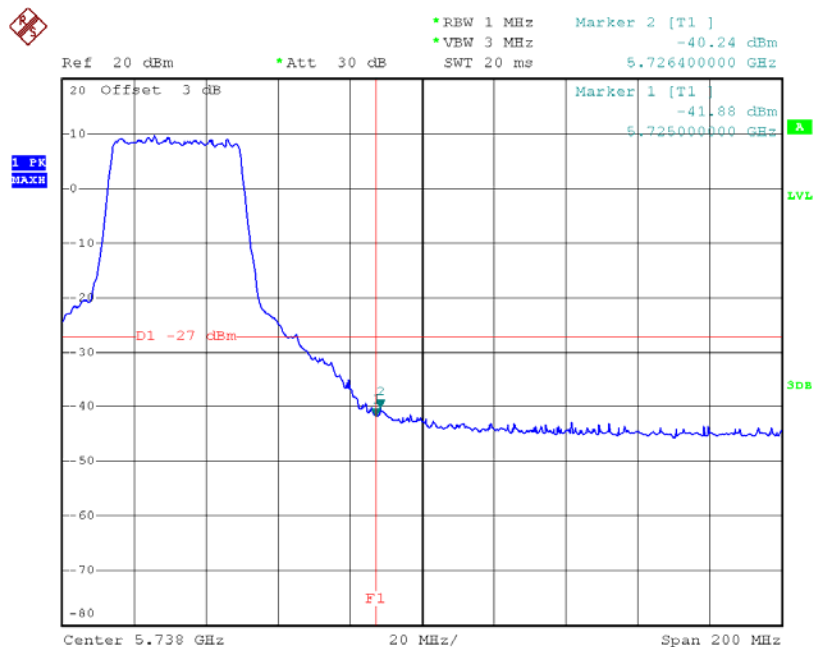
Test Mode: UNII-2C/TX N40 Mode_ANT A

TX mode CH102



Date: 10.JUL.2014 18:55:56

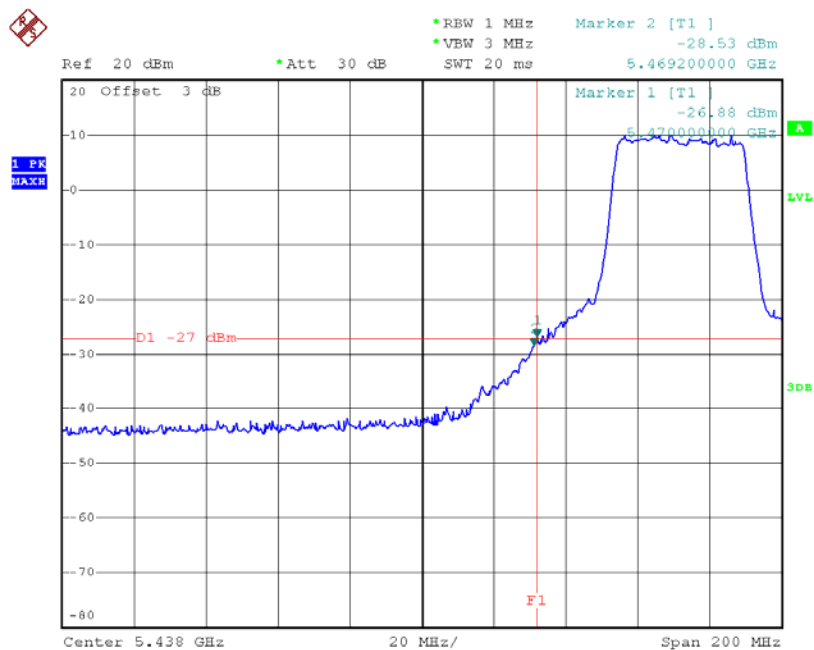
TX mode CH134



Date: 10.JUL.2014 18:00:14

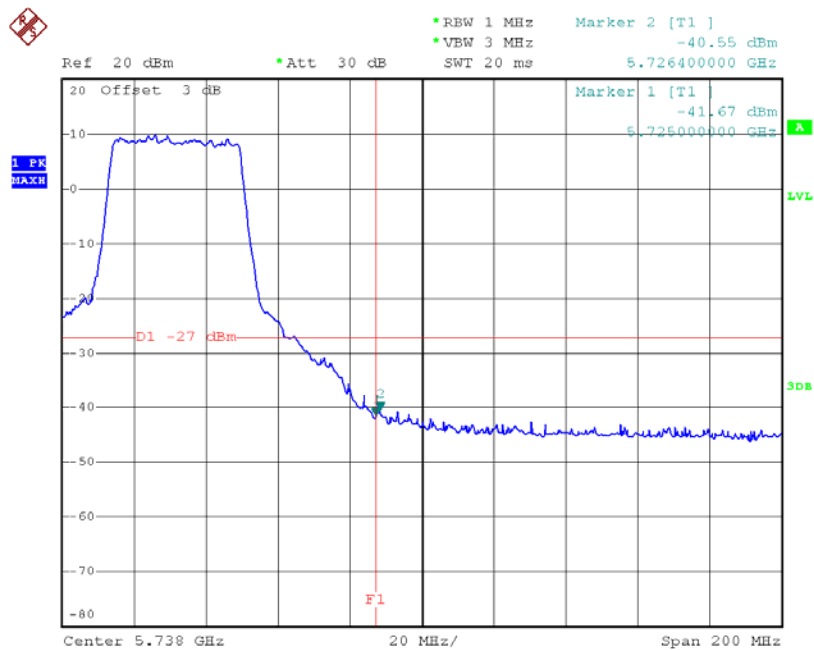
Test Mode: UNII-2C/TX N40 Mode_ANT B

TX mode CH102



Date: 10.JUL.2014 18:56:13

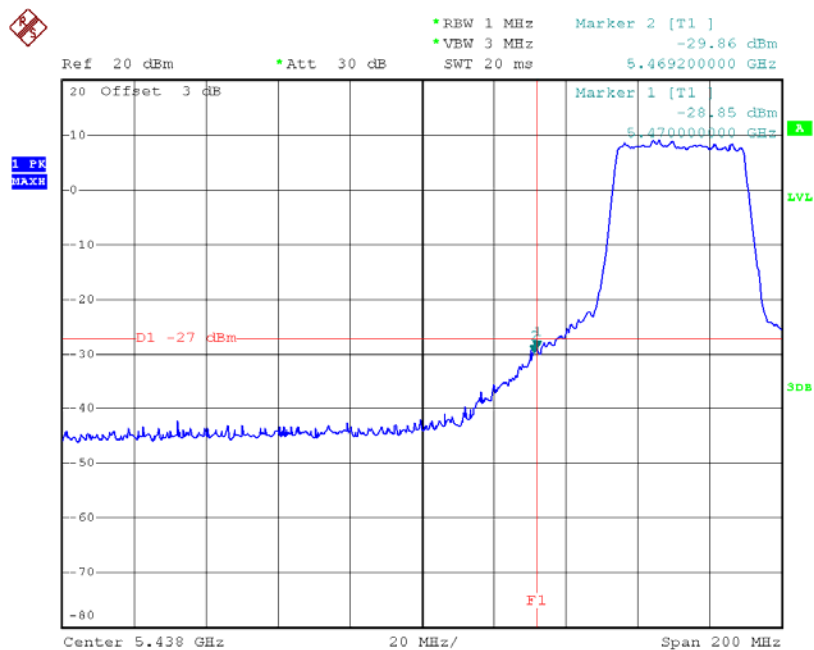
TX mode CH134



Date: 10.JUL.2014 18:00:29

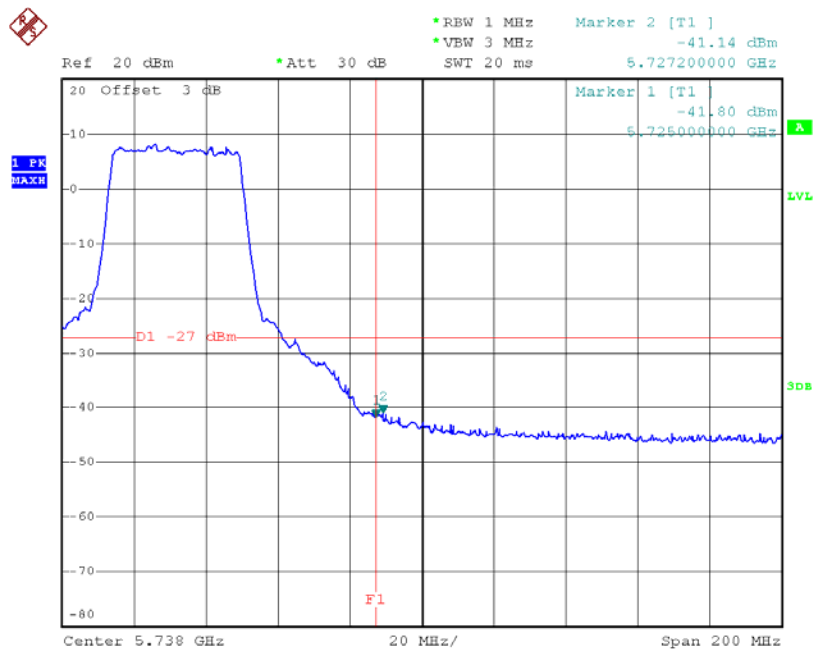
Test Mode: UNII-2C/TX N40 Mode_ANT C

TX mode CH102



Date: 10.JUL.2014 18:56:43

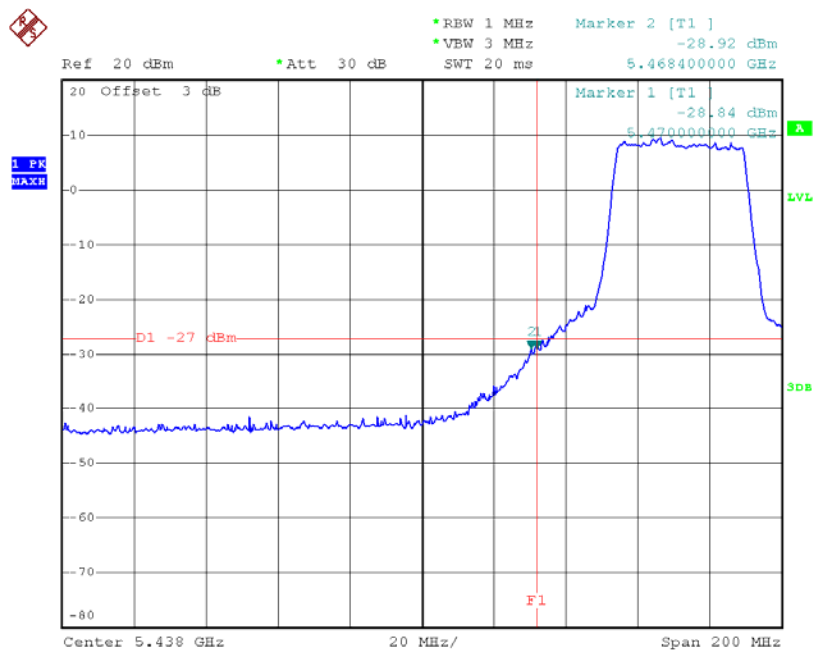
TX mode CH134



Date: 10.JUL.2014 18:00:51

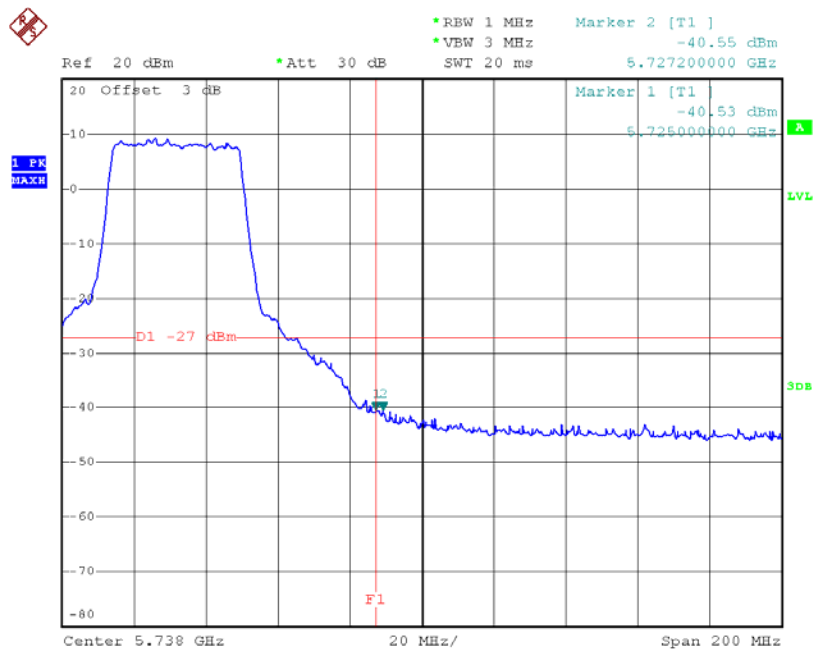
Test Mode: UNII-2C/TX N40 Mode_ANT D

TX mode CH102



Date: 10.JUL.2014 18:55:07

TX mode CH134



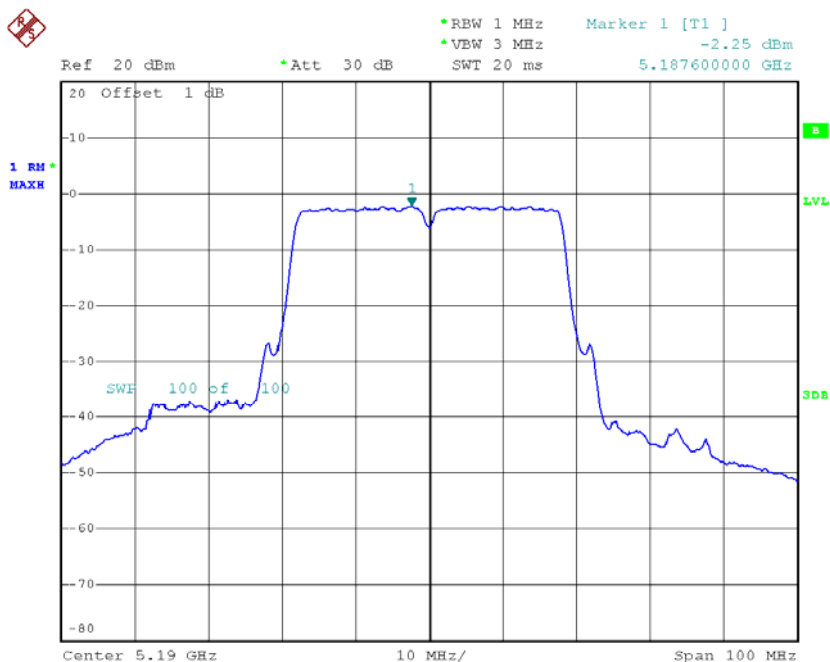
Date: 10.JUL.2014 18:01:27

ATTACHMENT H - POWER SPECTRAL DENSITY

Test Mode: UNII-1/TX N40 Mode_CH38/CH46_ANT A

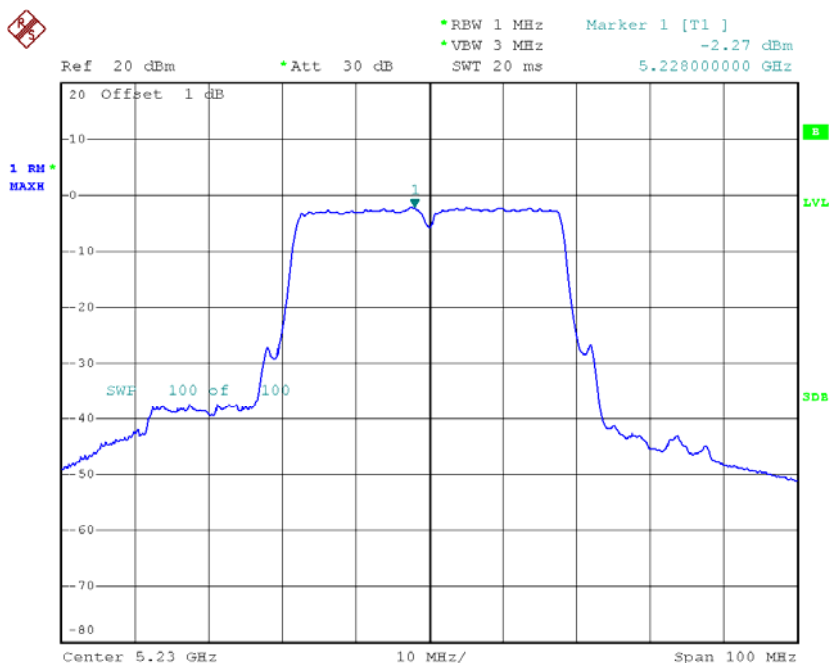
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	-2.25	4.00
CH46	5230	-2.27	4.00

CH38



Date: 28.AUG.2014 18:15:47

CH46

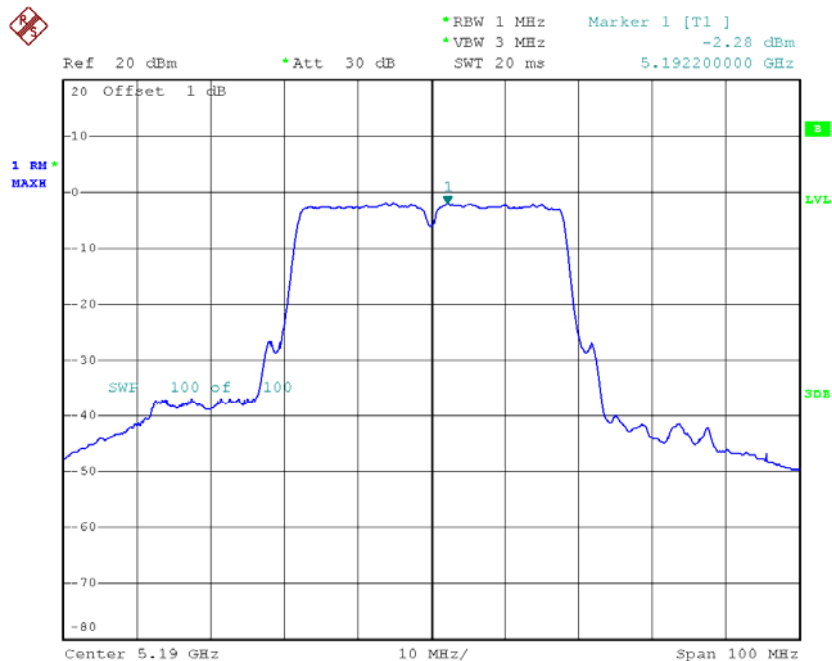


Date: 28.AUG.2014 19:14:42

Test Mode: UNII-1/TX N40 Mode_CH38/CH46_ANT B

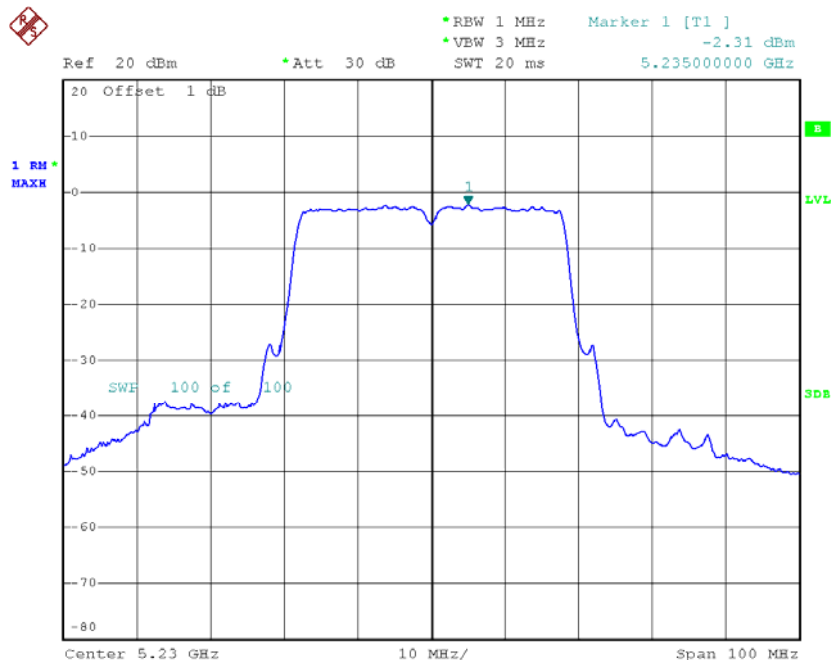
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	-2.28	4.00
CH46	5230	-2.31	4.00

CH38



Date: 28.AUG.2014 18:50:24

CH46

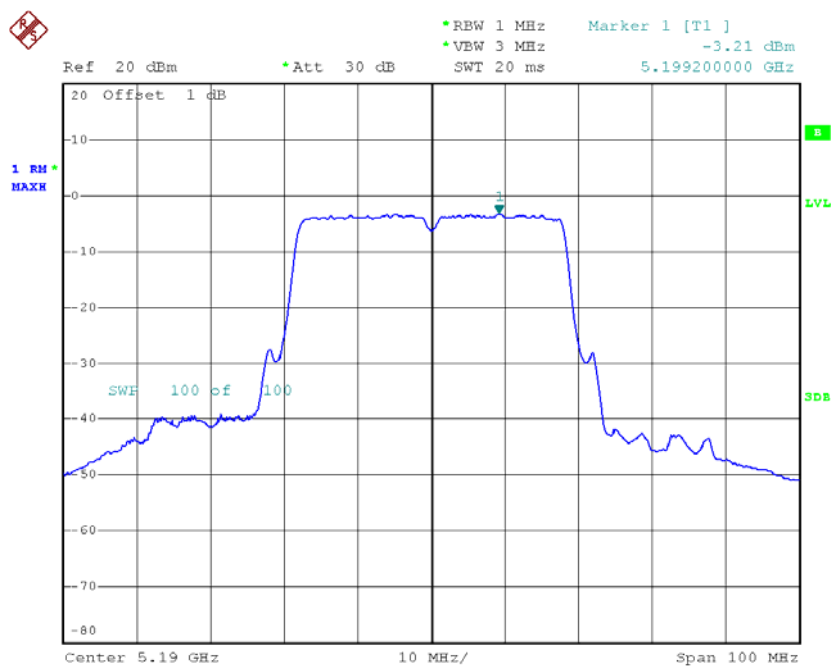


Date: 28.AUG.2014 19:10:48

Test Mode: UNII-1/TX N40 Mode_CH38/CH46_ANT C

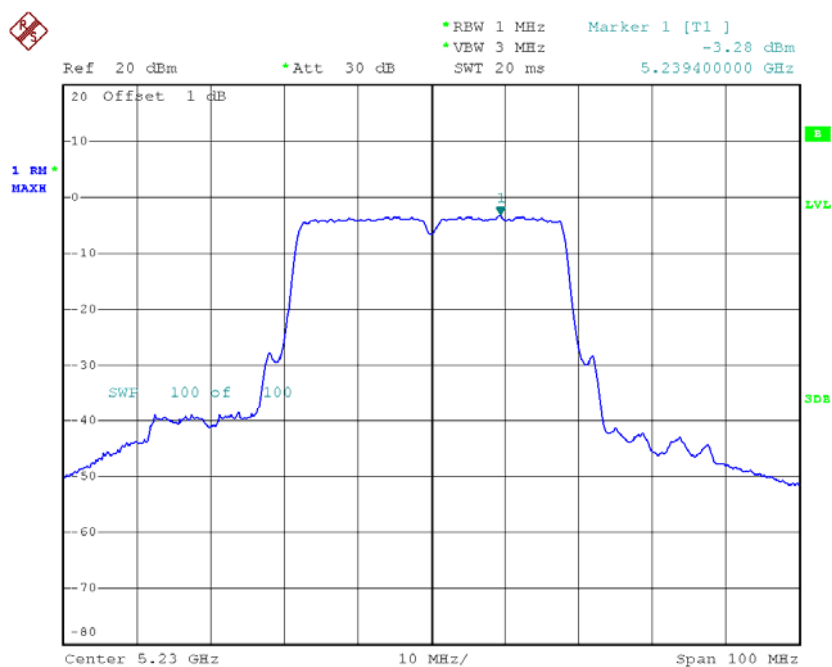
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	-3.21	4.00
CH46	5230	-3.28	4.00

CH38



Date: 28.AUG.2014 18:53:43

CH46

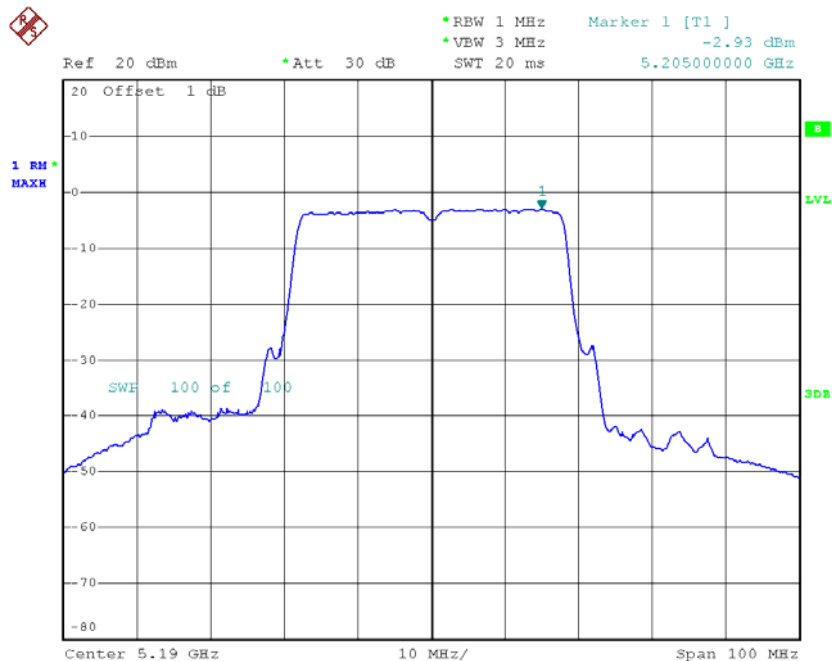


Date: 28.AUG.2014 19:09:58

Test Mode: UNII-1/TX N40 Mode_CH38/CH46_ANT D

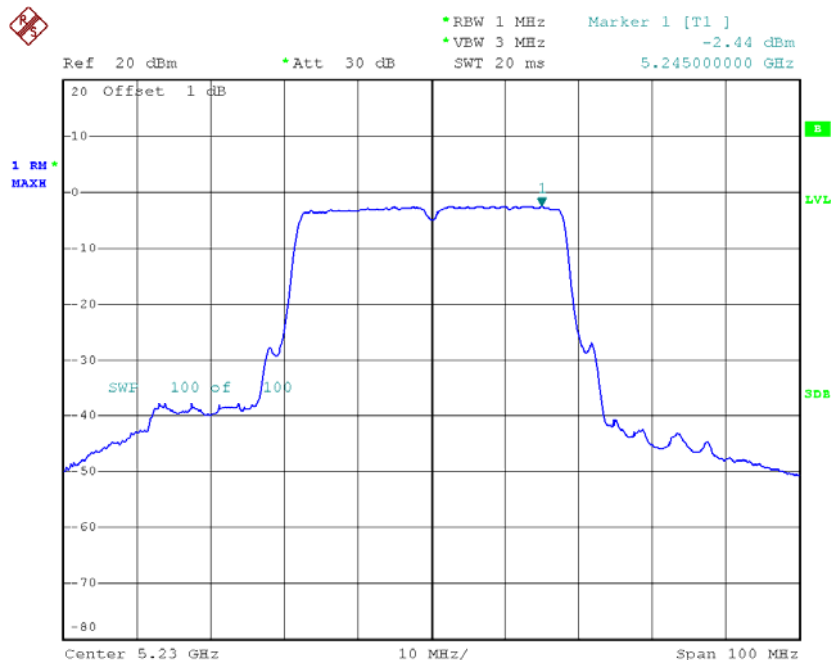
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	-2.93	4.00
CH46	5230	-2.44	4.00

CH38



Date: 28.AUG.2014 18:54:38

CH46



Date: 28.AUG.2014 19:08:22

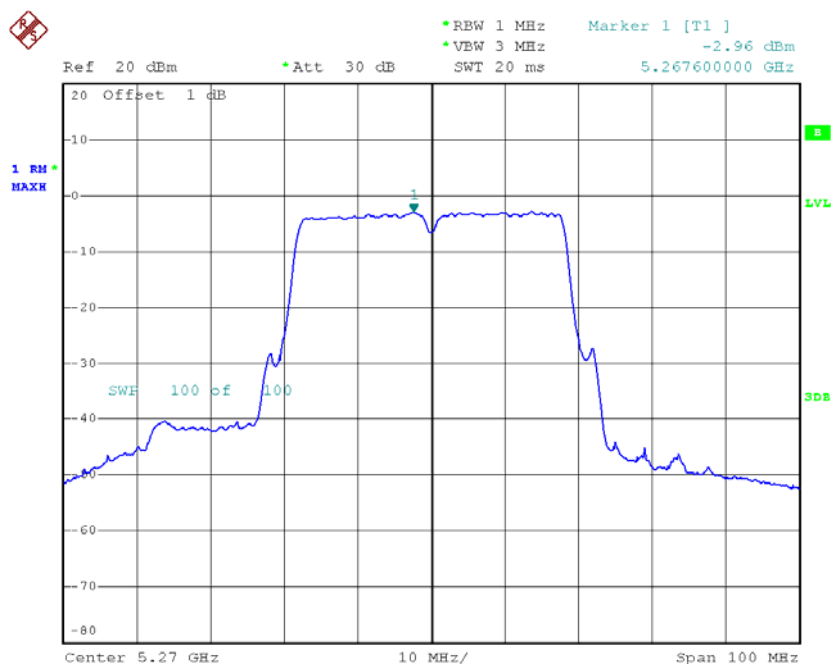
Test Mode: UNII-1/TX N40 Mode_CH38/CH46_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	3.37	4.00
CH46	5230	3.46	4.00

Test Mode: UNII-2A/TX N40 Mode_CH54/CH62_ANT A

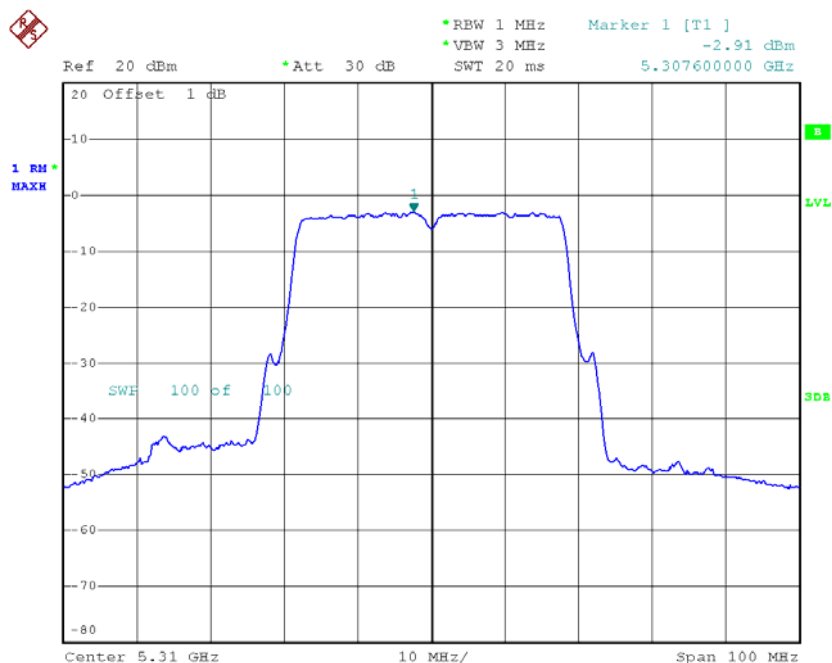
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH54	5270	-2.96	11.00
CH62	5310	-2.91	11.00

CH54



Date: 28.AUG.2014 19:27:37

CH62

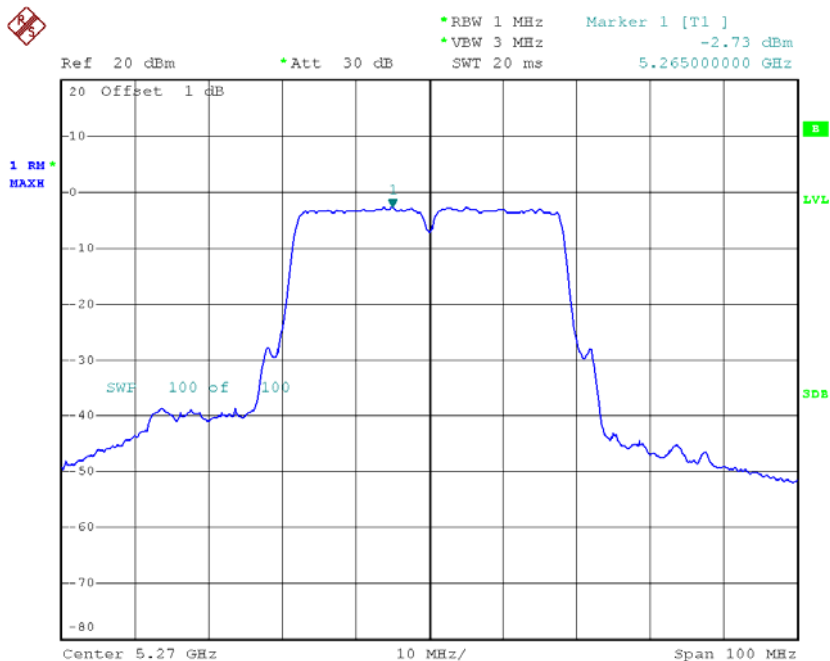


Date: 28.AUG.2014 19:36:09

Test Mode: UNII-2A/TX N40 Mode_CH54/CH62_ANT B

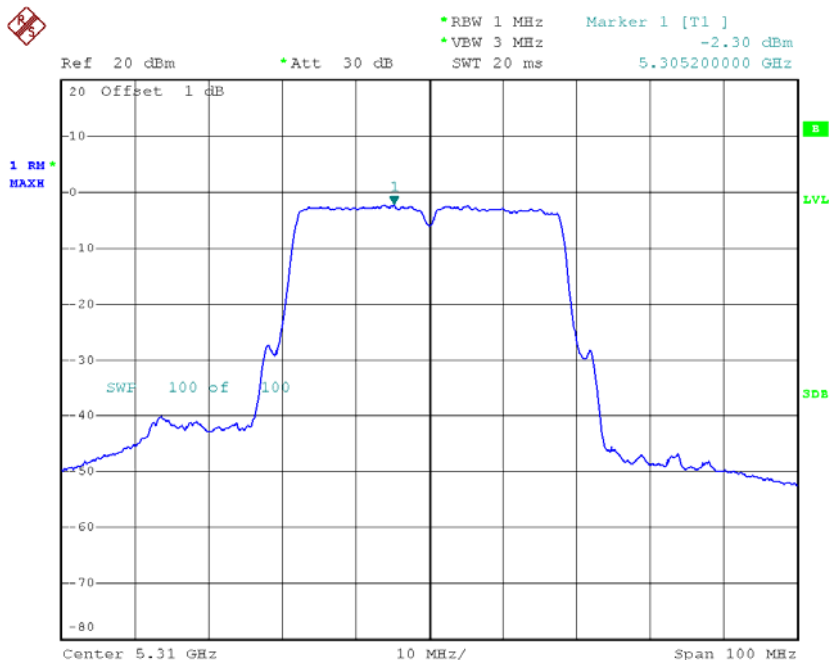
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH54	5270	-2.73	11.00
CH62	5310	-2.30	11.00

CH54



Date: 28.AUG.2014 19:28:15

CH62

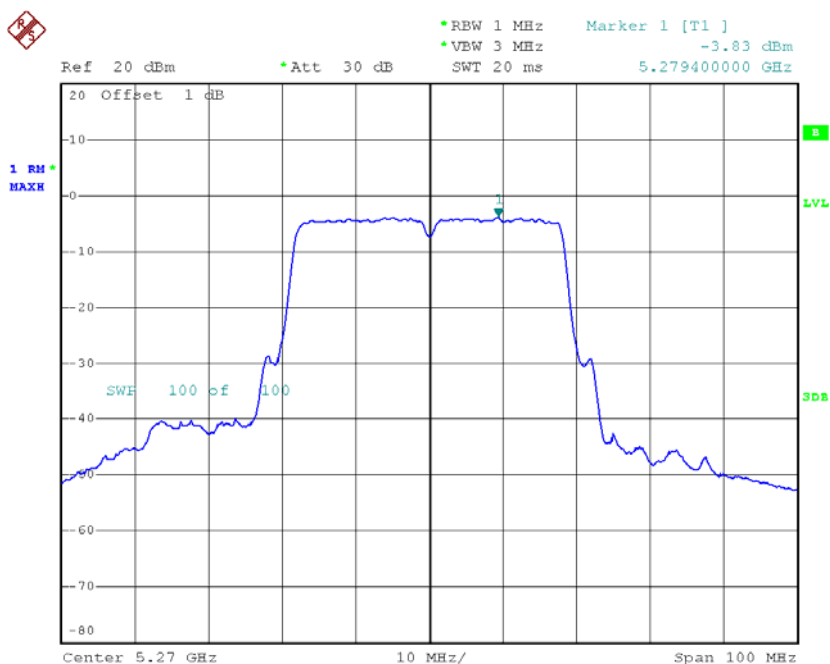


Date: 28.AUG.2014 19:37:04

Test Mode: UNII-2A/TX N40 Mode_CH54/CH62_ANT C

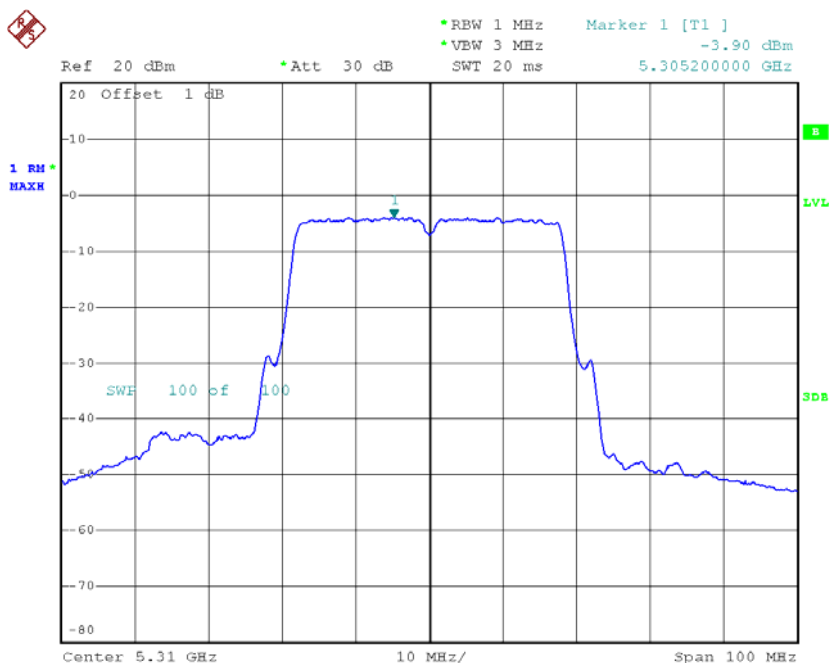
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH54	5270	-3.83	11.00
CH62	5310	-3.90	11.00

CH54



Date: 28.AUG.2014 19:30:16

CH62

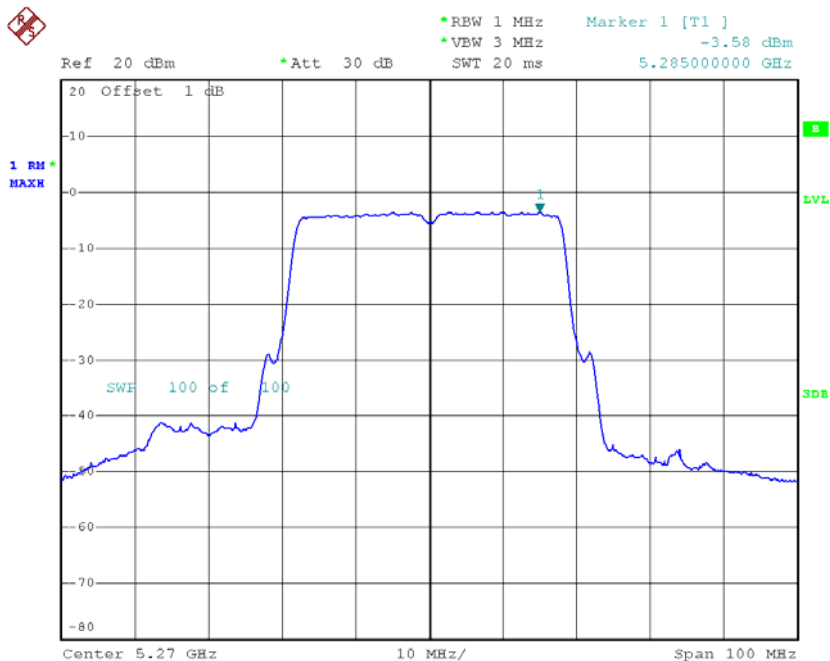


Date: 28.AUG.2014 19:39:23

Test Mode: UNII-2A/TX N40 Mode_CH54/CH62_ANT D

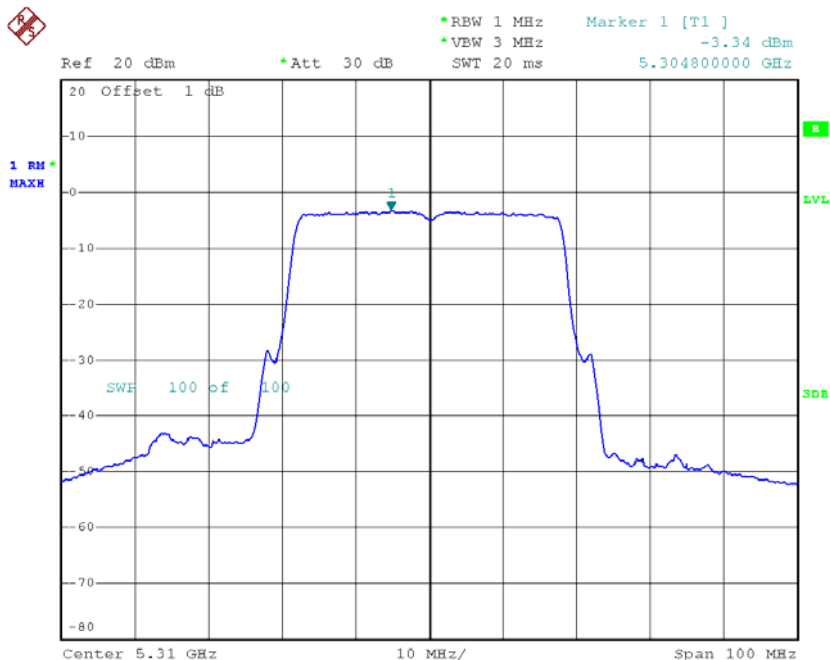
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH54	5270	-3.58	11.00
CH62	5310	-3.34	11.00

CH54



Date: 28.AUG.2014 19:33:01

CH62



Date: 28.AUG.2014 19:41:15

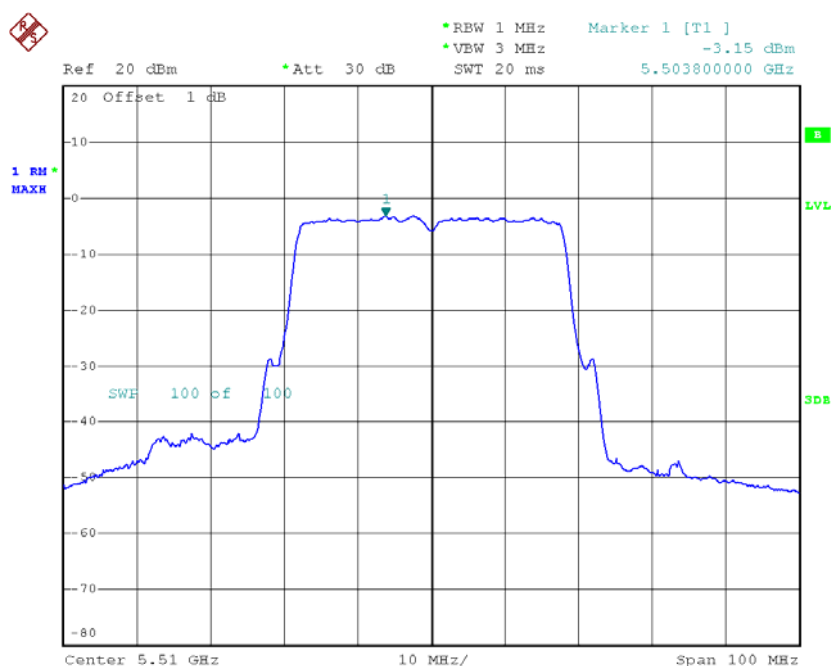
Test Mode: UNII-2A/TX N40 Mode_CH54/CH62_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH54	5270	2.77	11.00
CH62	5310	2.95	11.00

Test Mode: UNII-2C/TX N40 Mode_CH102/CH110/CH134_ANT A

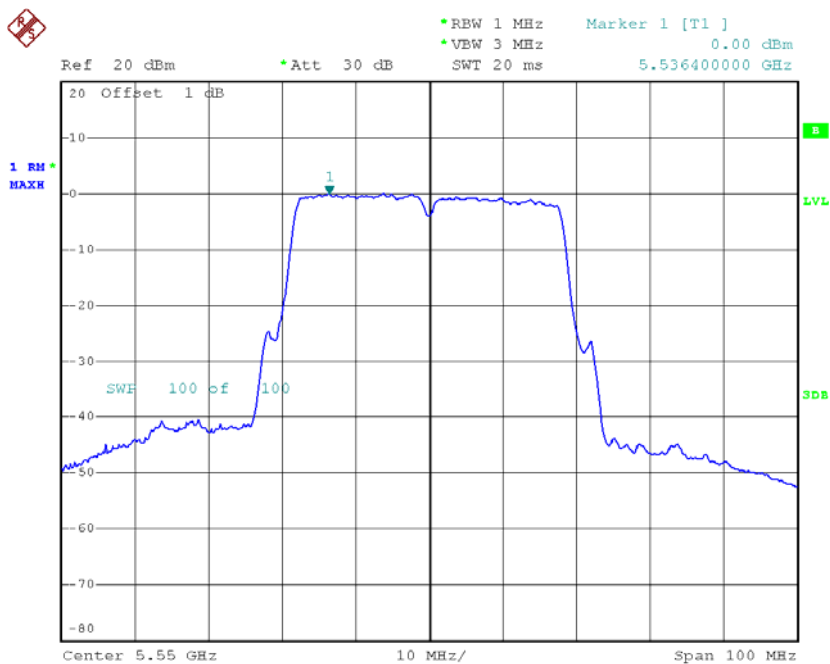
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH102	5510	-3.15	11.00
CH110	5550	0.00	11.00
CH134	5670	-0.94	11.00

CH102



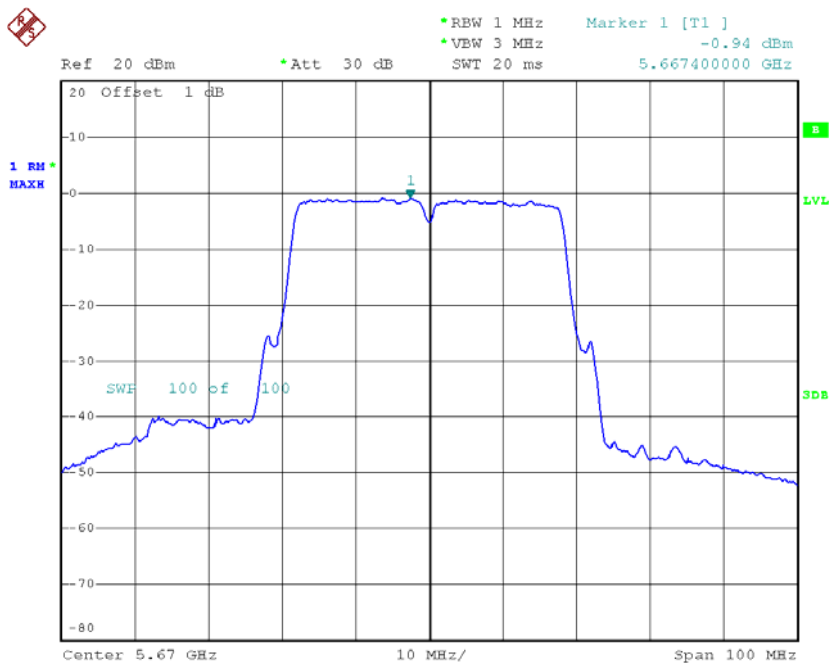
Date: 28.AUG.2014 19:45:21

CH110



Date: 28.AUG.2014 20:21:32

CH134

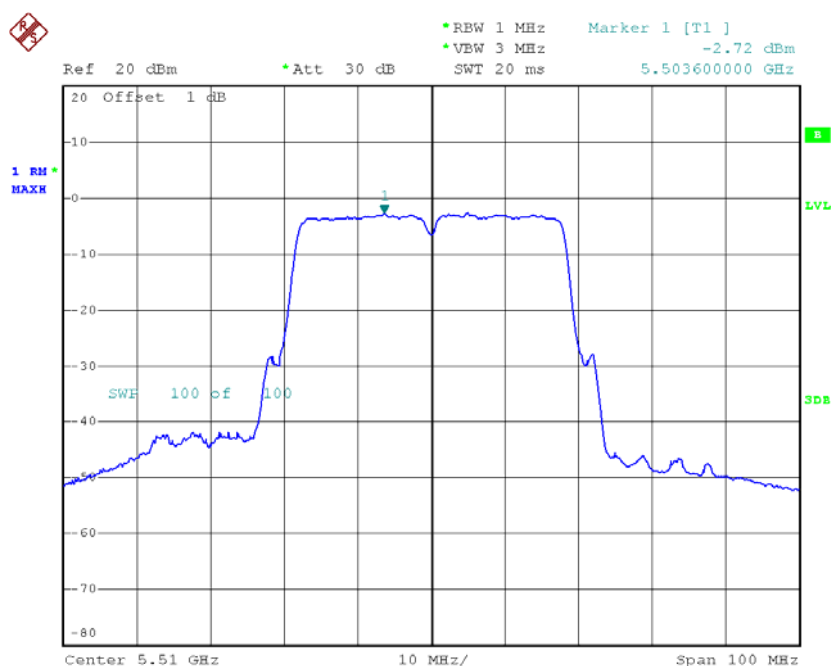


Date: 28.AUG.2014 20:03:36

Test Mode: UNII-2C/TX N40 Mode_CH102/CH110/CH134_ANT B

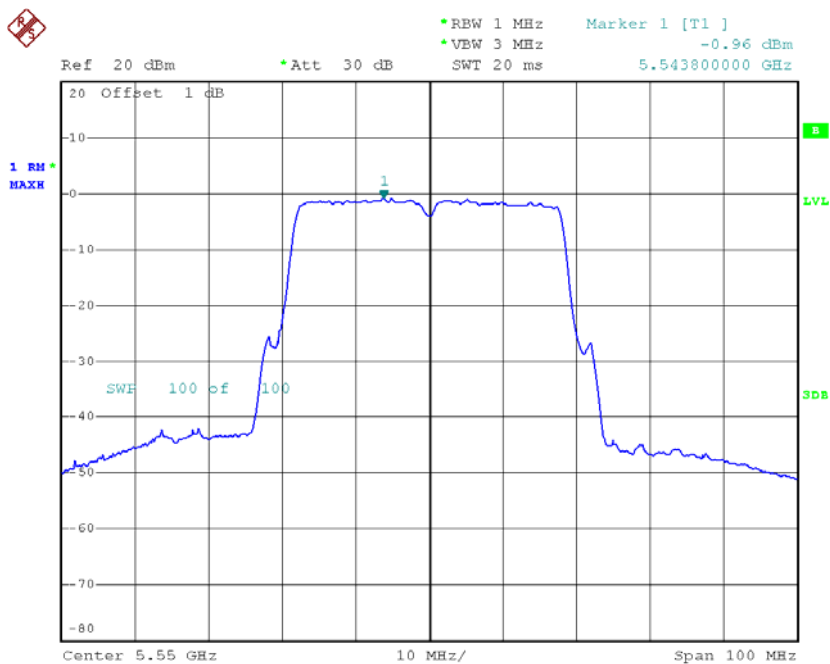
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH102	5510	-2.72	11.00
CH110	5550	-0.96	11.00
CH134	5670	-1.29	11.00

CH102



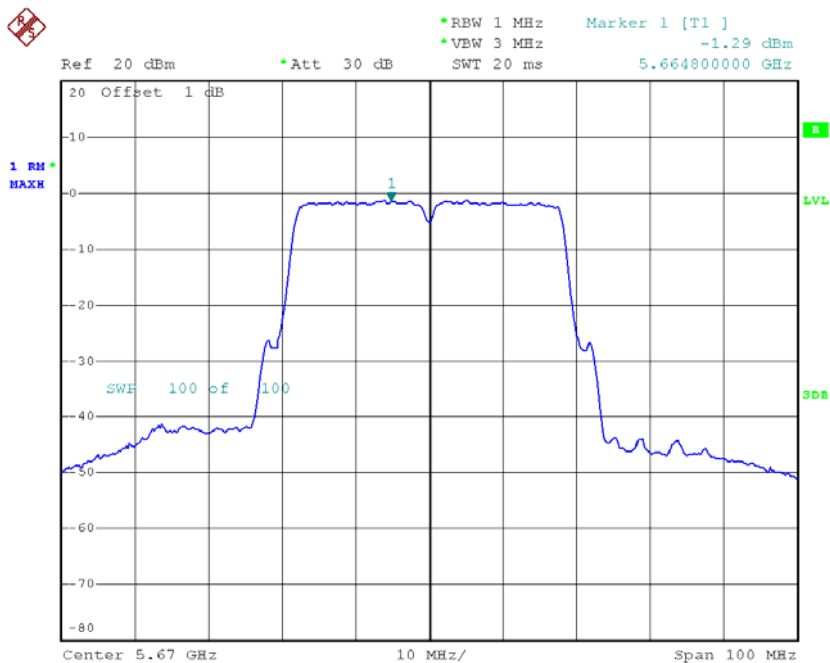
Date: 28.AUG.2014 19:46:52

CH110



Date: 28.AUG.2014 20:18:48

CH134

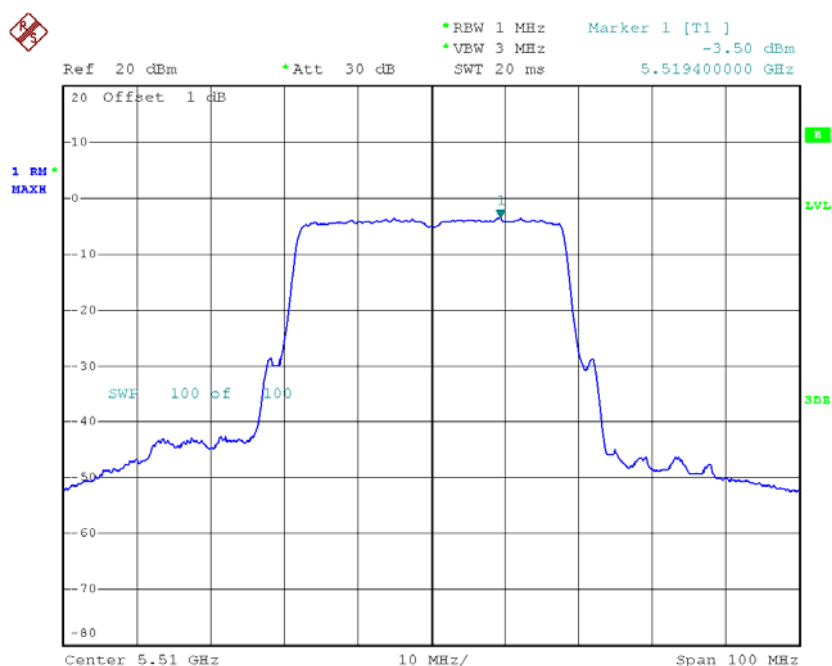


Date: 28.AUG.2014 20:04:38

Test Mode: UNII-2C/TX N40 Mode_CH102/CH110/CH134_ANT C

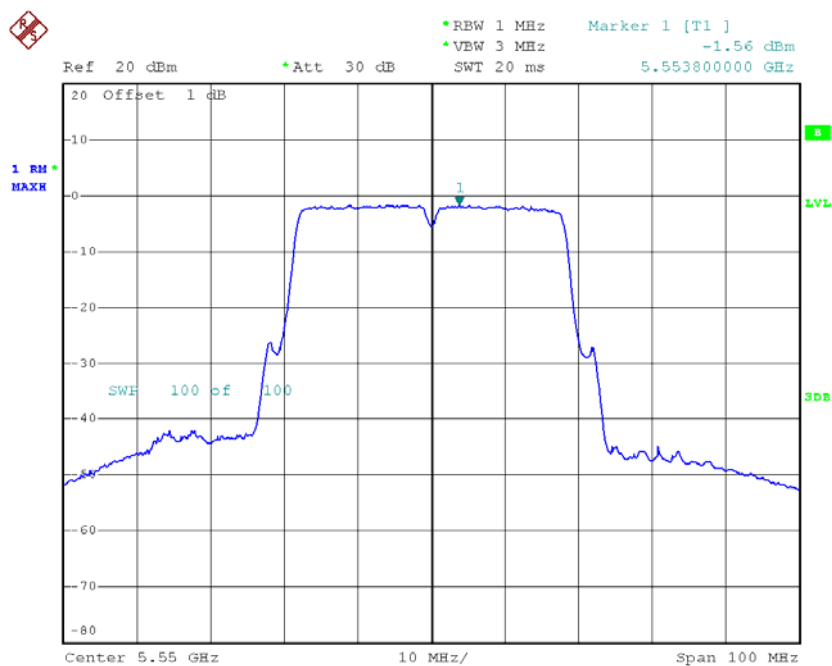
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH102	5510	-3.50	11.00
CH110	5550	-1.56	11.00
CH134	5670	-1.59	11.00

CH102



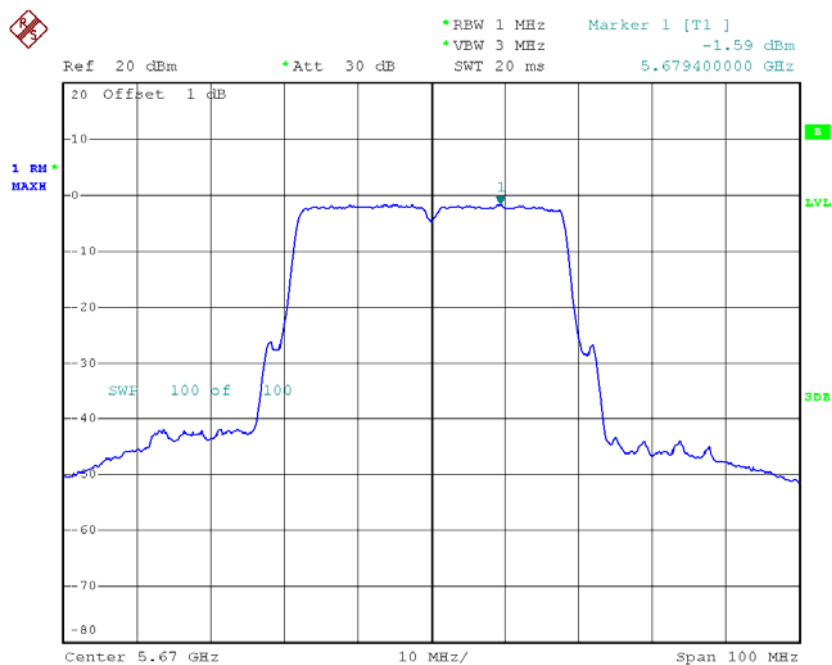
Date: 28.AUG.2014 19:47:36

CH110



Date: 28.AUG.2014 20:18:12

CH134

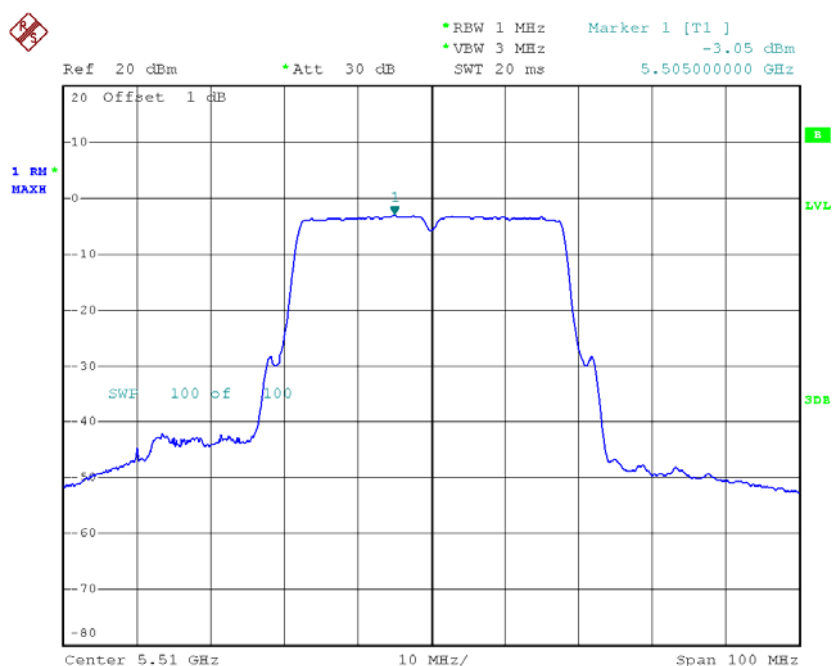


Date: 28.AUG.2014 20:05:18

Test Mode: UNII-2C/TX N40 Mode_CH102/CH110/CH134_ANT D

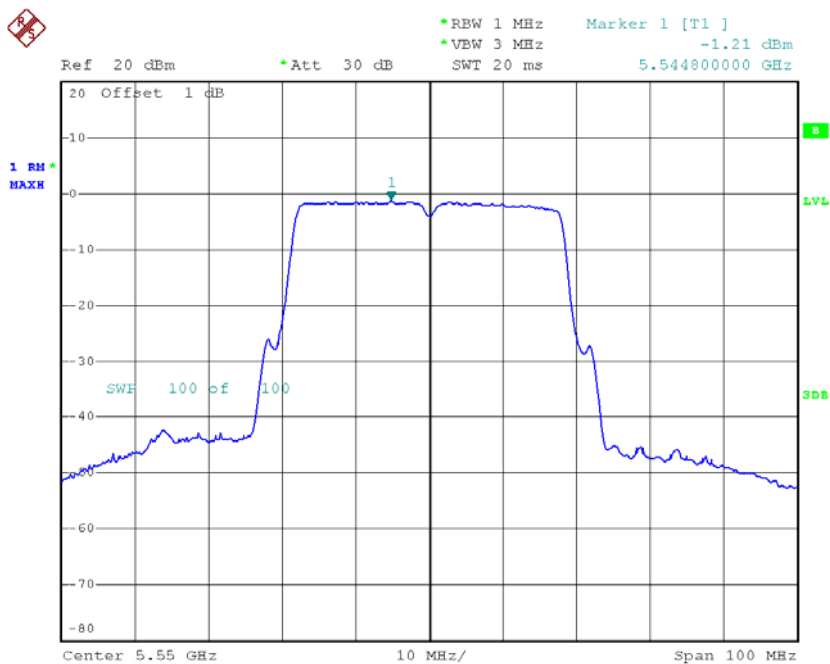
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH102	5510	-3.05	11.00
CH110	5550	-1.21	11.00
CH134	5670	-1.49	11.00

CH102



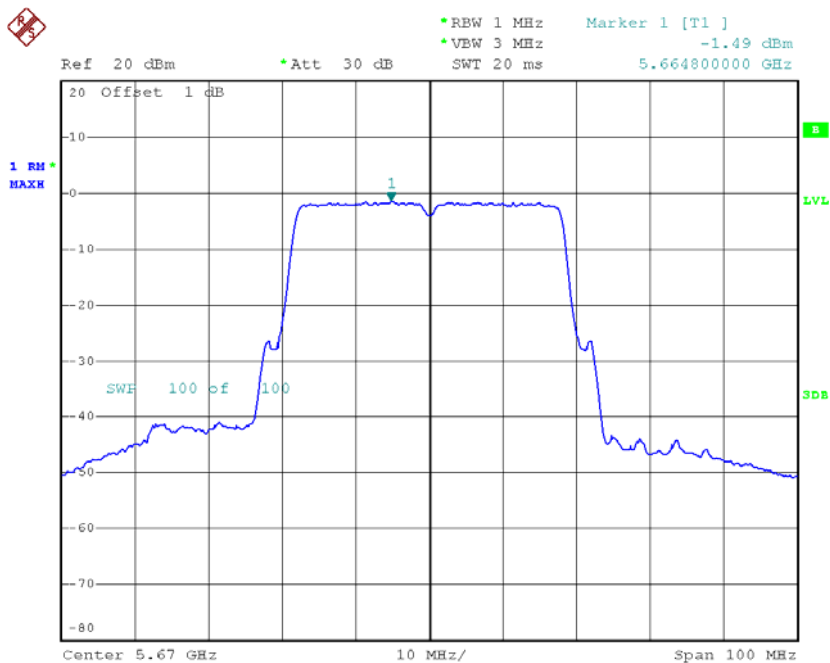
Date: 28.AUG.2014 19:48:55

CH110



Date: 28.AUG.2014 20:17:26

CH134



Date: 28.AUG.2014 20:06:02

Test Mode: UNII-2C/TX N40 Mode_CH102/CH110/CH134_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH102	5510	2.92	11.00
CH110	5550	5.13	11.00
CH134	5670	4.70	11.00

ATTACHMENT I - FREQUENCY STABILITY

Test Mode:	UNII-1
-------------------	---------------

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5190
132	5190.008780
120	5190.008720
102	5190.008800
Max. Deviation (MHz)	0.008800
Max. Deviation (ppm)	1.70

Temperature vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(°C)	5190
0	5190.008900
5	5190.008500
15	5190.008000
25	5190.008000
35	5190.008000
45	5190.008000
50	5190.008000
Max. Deviation (MHz)	0.008900
Max. Deviation (ppm)	1.714836

Test Mode:	UNII-2A
-------------------	----------------

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5310
138	5310.002400
120	5310.002900
102	5310.007800
Max. Deviation (MHz)	0.007800
Max. Deviation (ppm)	1.47

Temperature vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(°C)	5310
0	5310.005590
5	5310.005190
15	5310.004120
25	5310.004120
35	5310.004120
45	5310.004120
50	5310.004120
Max. Deviation (MHz)	0.005590
Max. Deviation (ppm)	1.052731

Test Mode:	UNII-2C
-------------------	----------------

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5670
138	5670.001700
120	5670.002600
102	5670.004800
Max. Deviation (MHz)	0.004800
Max. Deviation (ppm)	0.85

Temperature vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(°C)	5670
-5	5670.006790
5	5670.006730
15	5670.004810
25	5670.004810
35	5670.004810
45	5670.004810
50	5670.004810
Max. Deviation (MHz)	0.006790
Max. Deviation (ppm)	1.197531