

FCC&IC Radio Test Report

FCC ID: TVE-24100012

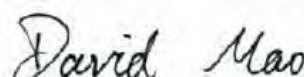
IC: 7280B-24100012

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

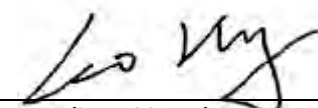
Project No. : 1504C174
Equipment : Wireless Access Point
Model Name for FCC : FORTIAP-C220Cxxxxxx; FAP-C220Cxxxxxx;
FORTIAP-C225Cxxxxxx; FAP-C225Cxxxxxx
Model Name for IC : FORTIAP-C220C; FAP-C220C; FORTIAP-C225C;
FAP-C225C
Applicant : Fortinet, Inc.
Address : 899 Kifer Road, Sunnyvale, CA 94086 USA

Date of Receipt : May 05. 2015
Date of Test : May 05. 2015~Jun.15.2015
Issued Date : Jun.16.2015
Tested by : BTL Inc.

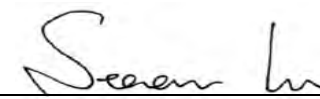
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Declaration

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

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Limitation

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

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FICP-1-1504C174	Original Issue.	Jun.16.2015

1. CERTIFICATION

Equipment	: Wireless Access Point
Brand Name	: fortinet
Model Name for FCC	: FORTIAP-C220Cxxxxxx; FAP-C220Cxxxxxx; FORTIAP-C225Cxxxxxx; FAP-C225Cxxxxxx
Model Name for IC	: FORTIAP-C220C; FAP-C220C; FORTIAP-C225C; FAP-C225C
Applicant	: Fortinet, Inc.
Manufacturer	: Shenzhen Netcore Industrial Ltd.
Address	: 4F&5F R&D Building, Oriental Cyberport, High-Tech Industrial Park, Nanshan, Shenzhen, China.
Factory	: Dongguan City Netcore Network Technology Co.,Ltd.
Address	: No.10-1,Sankeng Road,Qinghutou,Tangxia Town,Don guan City
Date of Test	: May 05. 2015~Jun.15.2015
Test Sample	: ENGINEERING SAMPLE
Standard(s)	: FCC Part15, Subpart C: 2014 (15.247) / ANSI C63.10-2013 Canada RSS-247 Issue 1, May 2015 RSS-GEN Issue 4, Nov 2014

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-FICP-1-1504C174) 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):

Applied Standard(s): FCC Part15 (15.247) , Subpart C: 2014 Canada RSS-247 Issue 1, May 2015, RSS-GEN Issue 4, Nov 2014				
Standard(s) Section		Test Item	Judgment	Remark
FCC	IC			
15.207	RSS-GEN 8.8	Conducted Emission	PASS	
15.247(d)	RSS-247 5.5	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	RSS-247 5.2 (1)	6dB Bandwidth	PASS	
15.247(b)(3)	RSS-247 5.4 (4)	Peak Output Power	PASS	
15.247(e)	RSS-247 5.2 (2)	Power Spectral Density	PASS	
15.203	-	Antenna Requirement	PASS	
15.209/15.205	RSS-247 5.5	Transmitter Radiated Emissions	PASS	

NOTE:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) The test follows FCC KDB Publication No. 558074 D01 DTS Meas Guidance v03r02 (Measurement Guidelines of DTS)

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

BTL's test firm number for IC: 4428B-1

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{CISPR} requirement.

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

A. Conducted Measurement :

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

B. Radiated Measurement :

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

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless Access Point	
Brand Name	fortinet	
Model Name for FCC	FORTIAP-C220Cxxxxxx; FAP-C220Cxxxxxx; FORTIAP-C225Cxxxxxx; FAP-C225Cxxxxxx	
Model Name for IC	FORTIAP-C220C; FAP-C220C; FORTIAP-C225C; FAP-C225C	
Model Difference	(1) where “x” can be “0-9”, or “A-Z”, or “-”, or blank for marketing purposes or software changes only (2) The model FORTIAP-C220Cxxxxxx; FAP-C220Cxxxxxx with internal antenna, model FORTIAP-C225Cxxxxxx; FAP-C225Cxxxxxx with external antenna.	
Product Description	Operation Frequency	2412~2462 MHz
	Modulation Technology	802.11b:DSSS 802.11g:OFDM 802.11n:OFDM
	Bit Rate of Transmitter	802.11b: 11/5.5/2/1 Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps 802.11n up to 300 Mbps
	Output Power (Max.) for Internal antenna	802.11b: 17.99dBm 802.11g: 22.31dBm 802.11n(20MHz): 23.02dBm 802.11n(40MHz): 23.53dBm
	Output Power (Max.) for External antenna	802.11b: 17.97dBm 802.11g: 22.31dBm 802.11n(20MHz): 22.96dBm 802.11n(40MHz): 23.58dBm
Power Source	#1 DC Voltage supplied from AC/DC adapter.(support unit) #2 Supplied from PoE. (support unit)	
Power Rating	#1 I/P: AC 100-240V O/P: DC 12V/2A #2 DC 48V	

Note:

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

2. Channel List:

CH01 – CH11 for 802.11b, 802.11g, 802.11n(20MHz) CH03 – CH09 for 802.11n(40MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3.

Internal antenna

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)	Note
1		RFPCA3806 17NNAB301	PCB	N/A	3.00	2.4G
2		RFPCA3806 20NNAB301	PCB	N/A	4.16	2.4G

Note:

- (1) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R), all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}** , that is Directional gain=4.16
- (2) ANT 2 for 1TX is the worst case.

4.

External antenna

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)	Note
1		RF21S00081A	Dipole	R-SMA	4.30	2.4G
2		RF21S00081A	Dipole	R-SMA	4.30	2.4G

Note:

- (1) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R), all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}** , that is Directional gain=4.30
- (2) ANT 1 for 1TX is the worst case.

5.

Internal antenna

Operating Mode TX Mode	1TX	2TX
802.11b	V (ANT 2)	-
802.11g	V (ANT 2)	-
802.11n(20MHz)	-	V (ANT 1 + ANT 2)
802.11n(40MHz)	-	V (ANT 1 + ANT 2)

External antenna

Operating Mode TX Mode	1TX	2TX
802.11b	V (ANT 1)	-
802.11g	V (ANT 1)	-
802.11n(20MHz)	-	V (ANT 1 + ANT 2)
802.11n(40MHz)	-	V (ANT 1 + ANT 2)

3.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	TX B MODE CHANNEL 01/06/11
Mode 2	TX G MODE CHANNEL 01/06/11
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11
Mode 4	TX N-40MHZ MODE CHANNEL 03/06/09
Mode 5	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 5	TX MODE

For Radiated Test	
Final Test Mode	Description
Mode 1	TX B MODE CHANNEL 01/06/11
Mode 2	TX G MODE CHANNEL 01/06/11
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11
Mode 4	TX N-40MHZ MODE CHANNEL 03/06/09

Note:

- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)
802.11g mode: OFDM (6Mbps)
802.11n HT20 mode : BPSK (13Mbps)
802.11n HT40 mode : BPSK (27Mbps)
For radiated emission tests, the highest output powers were set for final test.
- (3) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.
- (4) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

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 power parameters of WLAN

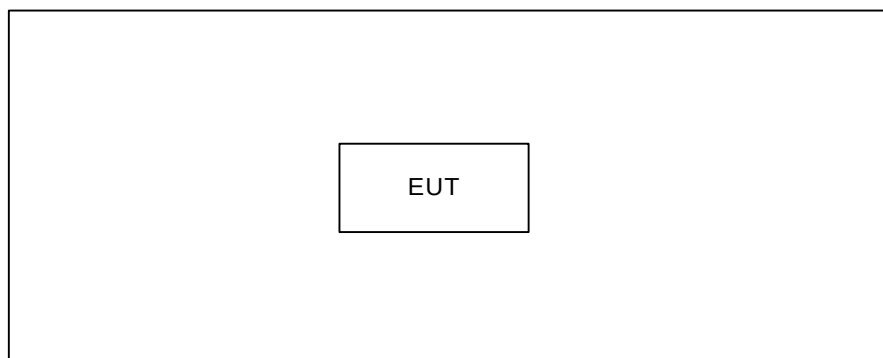
Internal antenna

Test software version	NA		
Frequency (MHz)	2412	2437	2462
802.11b	13	15	14
802.11g	25	25	25
802.11n (20MHz)	22,21	22,20	20,20
Frequency	2422	2437	2452
802.11n (40MHz)	25,25	24,24	23,24

External antenna

Test software version	NA		
Frequency (MHz)	2412	2437	2462
802.11b	10	10	11
802.11g	21	21	22
802.11n (20MHz)	16,19	17,19	15,16
Frequency	2422	2437	2452
802.11n (40MHz)	19,23	20,23	20,23

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

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

Item	Shielded Type	Ferrite Core	Length	Note
-	-	-	-	

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0 5 -0.	66 to 56*	56 to 46*
0.50 -5.0	56	46
5.0 -30.0	60	50

Note:

- (1) The limit of " * " decreases with the logarithm of the frequency
- (2) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
 Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

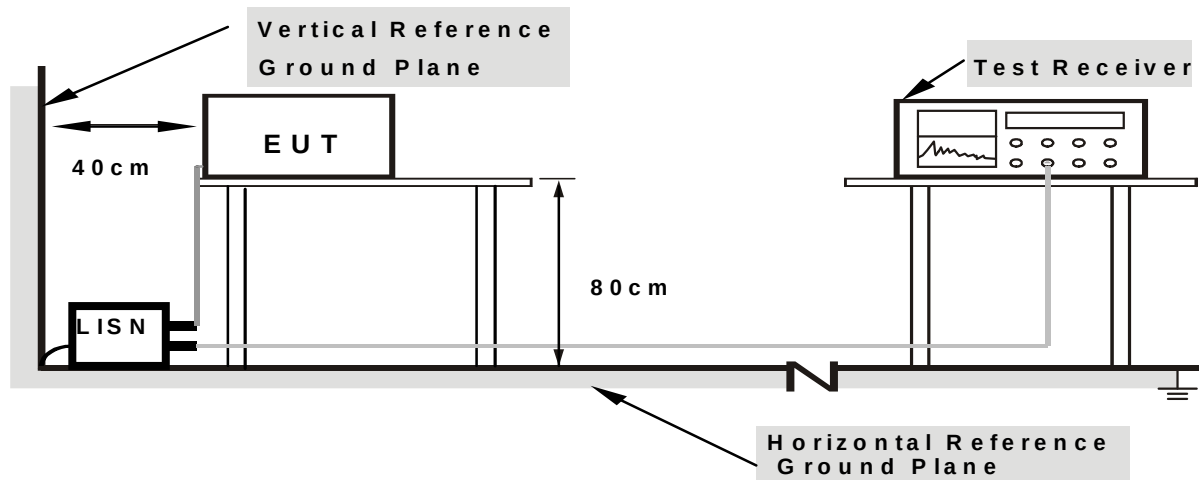
4.1.2 TEST PROCEDURE

- 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



Note: 1.Support units were connected to second LISN.
 2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

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.

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.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

20dB in any 100 KHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a) & RSS-247 5.5, then the 15.209(a)& RSS-Gen limit in the table below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (9KHz-1000MHz)

Frequency (MHz)	Field Strength (microvolts/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
960~1000	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

Frequency (MHz)	(dBuV/m) (at 3 meters)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C& RSS-247.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
 Margin Level = Measurement Value - Limit Value

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	RBW 1MHz VBW 3MHz peak detector for Pk value RMS detector for AV value

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz~110KHz for QP detector
Start ~ Stop Frequency	110KHz~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector

4.2.2 TEST PROCEDURE

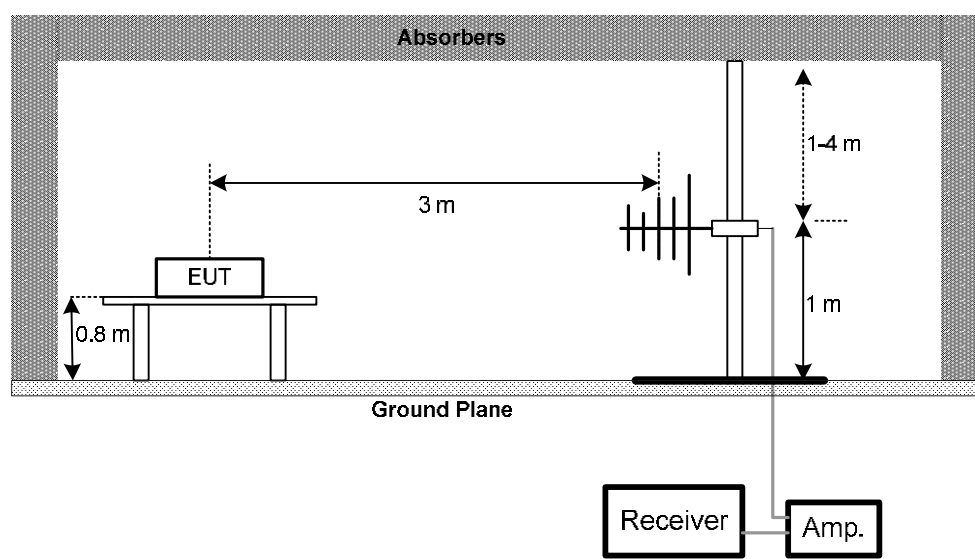
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- The height of the equipment or of the substitution antenna shall be 1.5 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

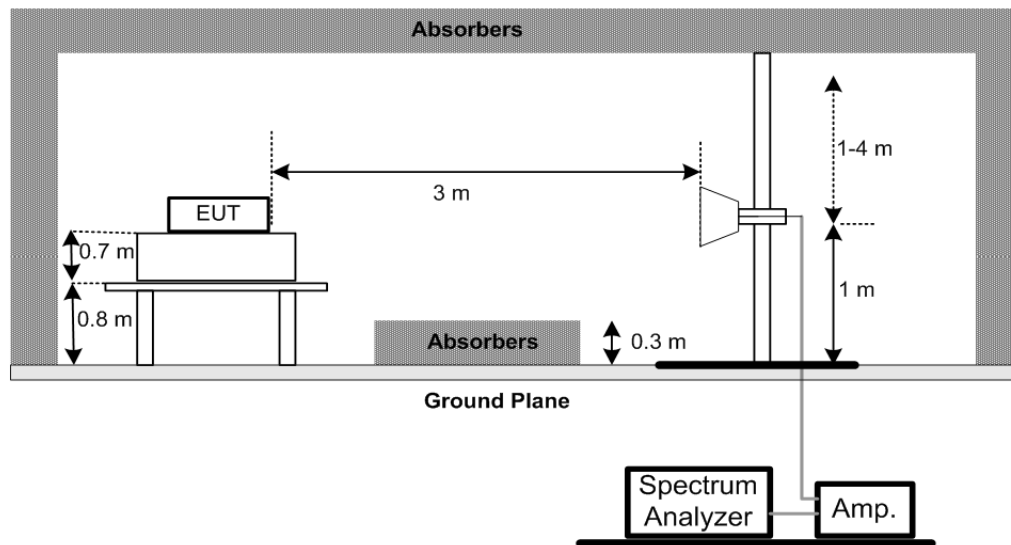
No deviation

4.2.4 TEST SETUP

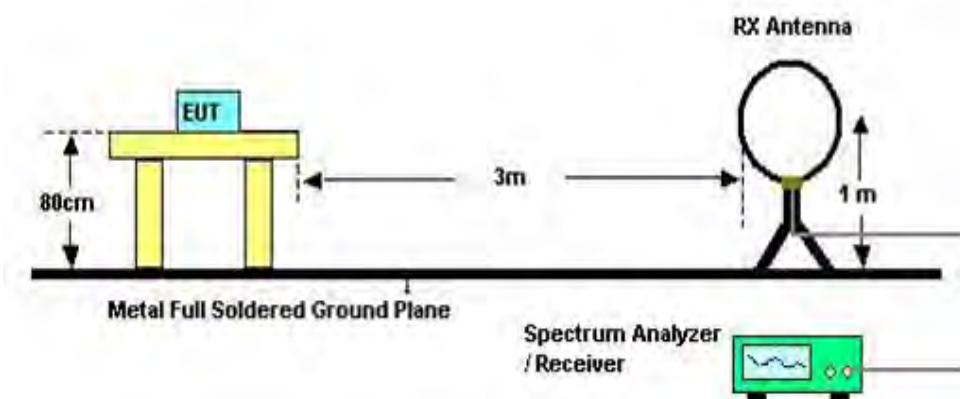
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



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



(C) For 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 (9KHZ TO 30MHZ)

Please refer to the Attachment B

Remark:

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

4.2.8 TEST RESULTS (BETWEEN 30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

- (1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES

FCC Part15 (15.247) , Subpart C/ RSS-GEN and RSS-247			
Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(2) RSS-GEN section 6.6 RSS-247 5.2 (1)	Bandwidth	2400-2483.5	PASS

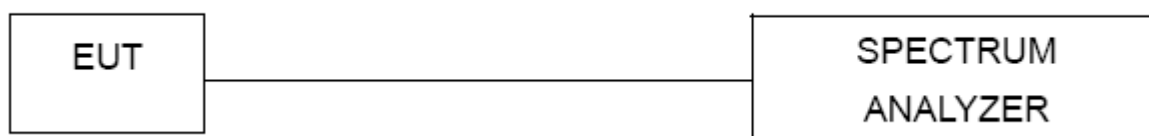
5.1.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

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 PEAK CONDUCTED OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C/ RSS-247				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3) RSS-247 5.4 (4)	Maximum Output Power	1 Watt or 30dBm	2400-2483.5	PASS

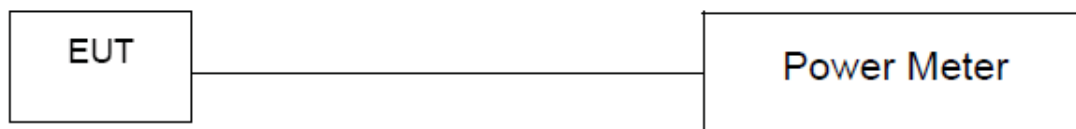
6.1.1 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
- The maximum peak conducted output power was performed in accordance with method 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance v03r02.

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. Transmit output power was measured while the host equipment supply voltage was varied from 85 % to 115 % of the nominal rated supply voltage. No change in transmit output power was observed.

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

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.

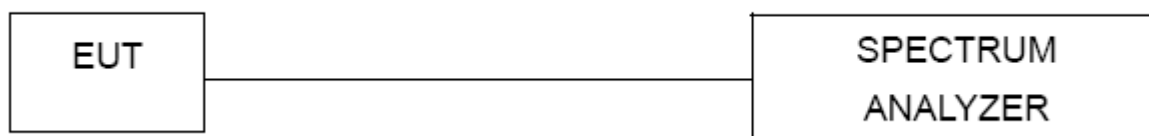
7.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 100KHz, VBW=300KHz, 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 (15.247) , Subpart C / RSS-247				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e) RSS-247 5.2 (2)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

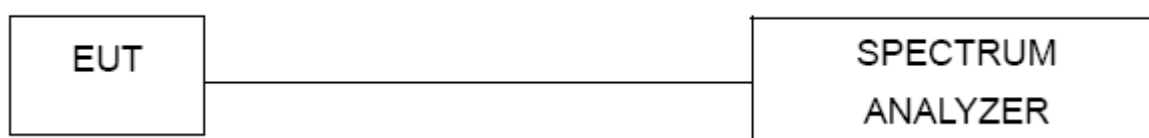
8.1.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW=3KHz, VBW=10KHz, Sweep time = Auto.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

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

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Attachment H.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00052765	Mar. 28, 2016
2	LISN	R&S	ENV216	101447	Mar. 28, 2016
3	Test Cable	N/A	C_17	N/A	Mar.13, 2016
4	EMI TEST RECEIVER	R&S	ESCS30	833364/017	Mar. 28, 2016
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Mar. 28, 2016
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. 28, 2016
2	Amplifier	HP	8447D	2944A09673	Nov. 17, 2015
3	Receiver	AGILENT	N9038A	MY5213003 9	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. 28, 2016
7	Amplifier	Agilent	8449B	3008A02274	Nov. 02, 2015
8	Receiver	AGILENT	N9038A	MY5213003 9	Sep. 30, 2015
9	Test Cable	N/A	C-68	N/A	Jul. 01, 2015
10	Controller	CT	SC100	N/A	N/A
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Mar. 28, 2016
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 28, 2016
13	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Aug. 16, 2015
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	power Meter	ANRITSU	ML2495A	1128009	Mar. 28, 2016
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Mar. 28, 2016

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

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

10. EUT TEST PHOTO

Conducted Measurement Photos

Internal antenna



Conducted Measurement Photos

External antenna



Radiated Measurement Photos

9KHz to 30MHz
Internal antenna



Radiated Measurement Photos

9KHz to 30MHz
External antenna



Radiated Measurement Photos

30MHz to 1000MHz
Internal antenna



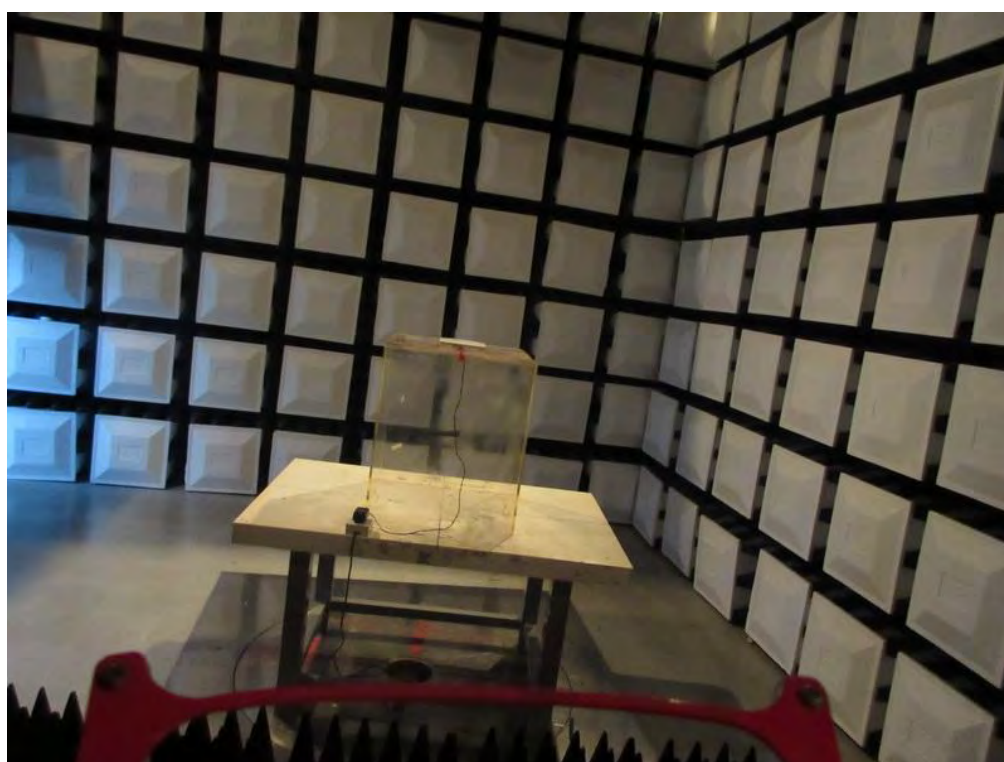
Radiated Measurement Photos

30MHz to 1000MHz
External antenna



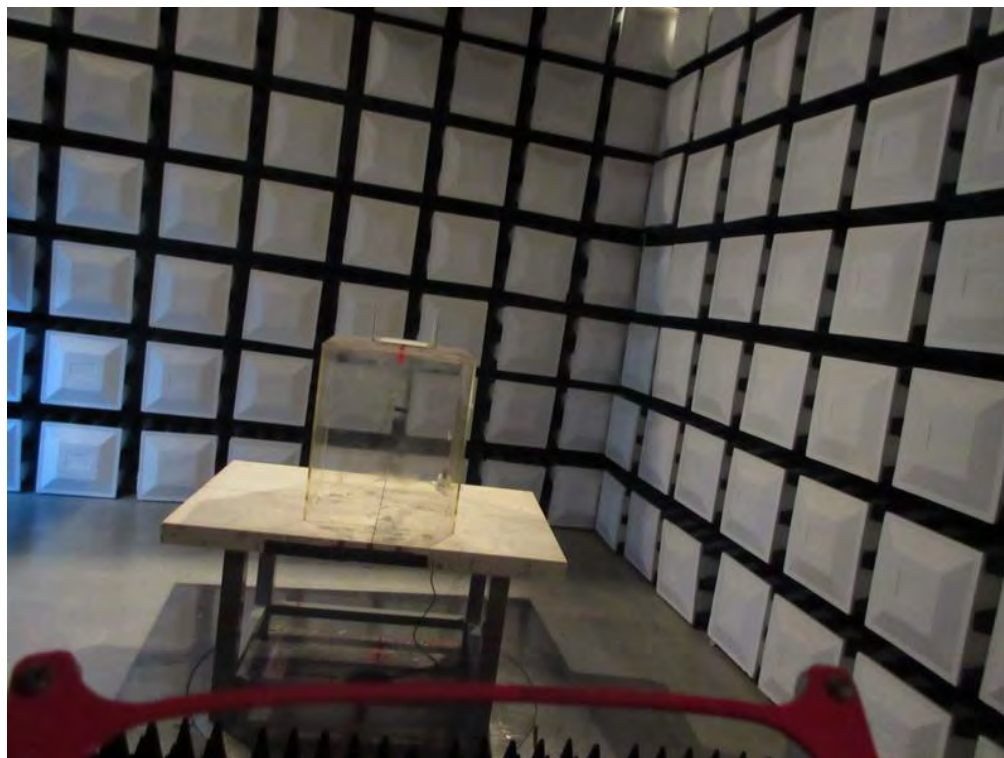
Radiated Measurement Photos

Above 1000MHz
Internal antenna



Radiated Measurement Photos

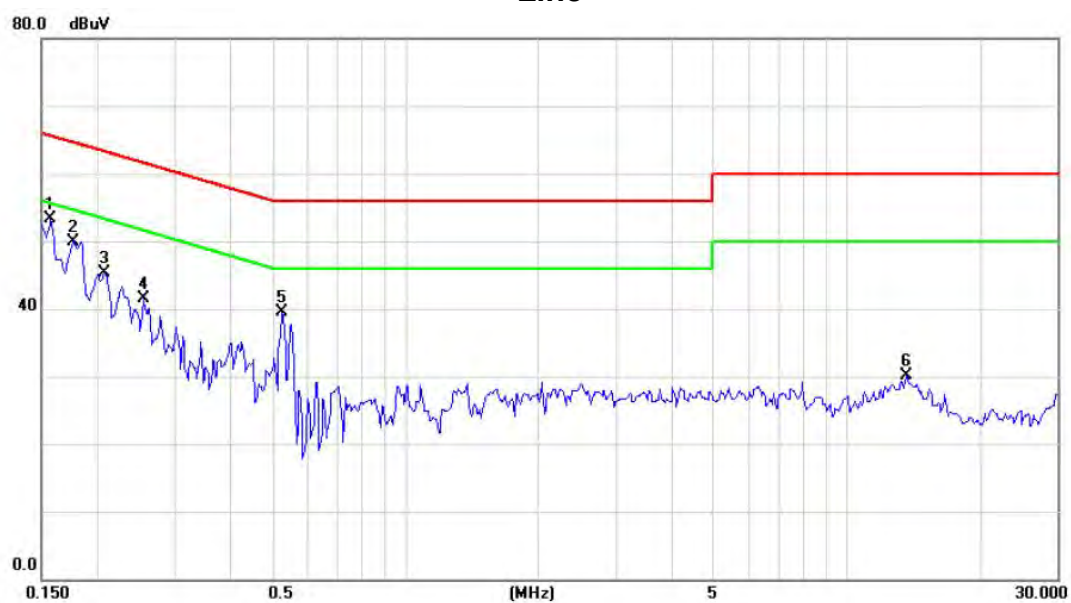
Above 1000MHz
External antenna



ATTACHMENT A - CONDUCTED EMISSION

Test Mode : TX MODE- Internal antenna

Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1578	43.76	9.55	53.31	65.58	-12.27	peak	
2		0.1773	40.35	9.56	49.91	64.61	-14.70	peak	
3		0.2086	35.77	9.58	45.35	63.26	-17.91	peak	
4		0.2555	31.80	9.61	41.41	61.58	-20.17	peak	
5		0.5290	29.88	9.69	39.57	56.00	-16.43	peak	
6		13.6602	20.20	9.83	30.03	60.00	-29.97	peak	

Test Mode : TX MODE- Internal antenna

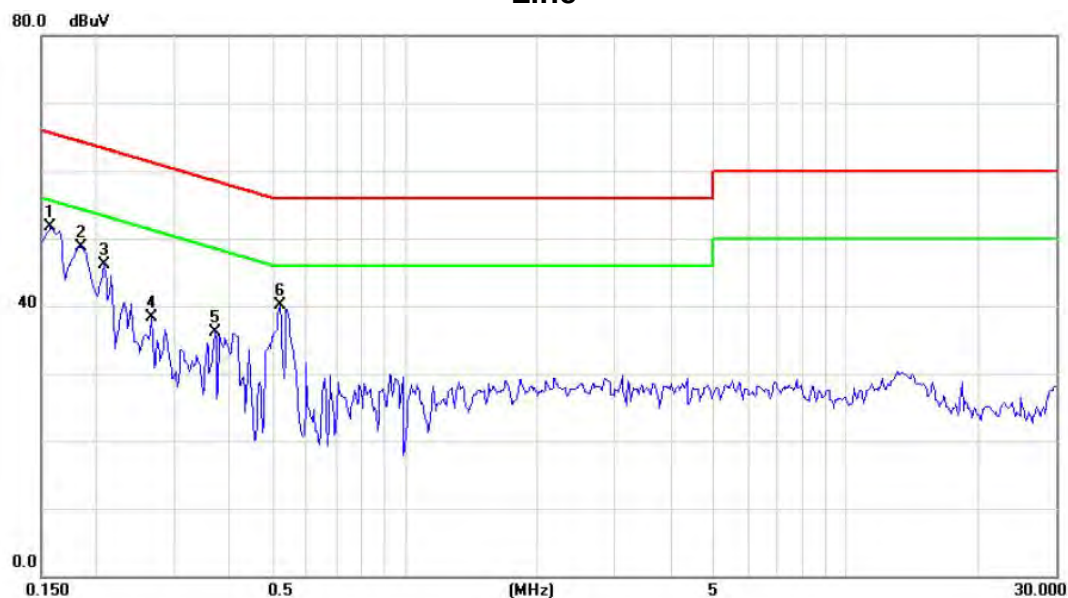
Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1655	43.44	9.48	52.92	65.18	-12.26	peak	
2		0.1777	39.24	9.49	48.73	64.59	-15.86	peak	
3		0.2281	34.65	9.51	44.16	62.52	-18.36	peak	
4		0.4195	25.17	9.54	34.71	57.46	-22.75	peak	
5		0.5290	30.22	9.56	39.78	56.00	-16.22	peak	
6		14.1094	21.04	9.91	30.95	60.00	-29.05	peak	

Test Mode : TX MODE- External antenna

Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1578	42.14	9.55	51.69	65.58	-13.89	peak	
2		0.1852	39.17	9.57	48.74	64.25	-15.51	peak	
3		0.2086	36.48	9.58	46.06	63.26	-17.20	peak	
4		0.2672	28.63	9.62	38.25	61.20	-22.95	peak	
5		0.3727	26.54	9.66	36.20	58.44	-22.24	peak	
6		0.5211	30.32	9.69	40.01	56.00	-15.99	peak	

Test Mode : TX MODE- External antenna

Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1540	41.72	9.49	51.21	65.78	-14.57	peak	
2		0.1812	38.63	9.49	48.12	64.43	-16.31	peak	
3		0.2164	36.24	9.50	45.74	62.96	-17.22	peak	
4		0.4156	26.05	9.53	35.58	57.54	-21.96	peak	
5		0.5250	30.38	9.56	39.94	56.00	-16.06	peak	
6		14.2305	22.46	9.91	32.37	60.00	-27.63	peak	

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

Test Mode: TX Mode 2412MHz- Internal antenna

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0106	0°	10.21	24.90	35.11	127.10	-91.99	AVG
0.0106	0°	13.58	24.90	38.48	147.10	-108.62	PEAK
0.0252	0°	7.23	23.97	31.20	119.58	-88.38	AVG
0.0252	0°	9.72	23.97	33.69	139.58	-105.89	PEAK
0.0367	0°	3.54	23.24	26.78	116.31	-89.53	AVG
0.0367	0°	5.18	23.24	28.42	136.31	-107.89	PEAK
0.0412	0°	1.27	22.96	24.23	115.31	-91.08	AVG
0.0412	0°	2.82	22.96	25.78	135.31	-109.53	PEAK
0.5104	0°	16.38	19.83	36.21	73.45	-37.23	QP
2.1168	0°	21.55	19.43	40.98	69.54	-28.56	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0085	90°	13.42	24.30	37.72	129.02	-91.30	AVG
0.0085	90°	15.19	24.30	39.49	149.02	-109.53	PEAK
0.0193	90°	8.25	24.30	32.55	121.89	-89.34	AVG
0.0193	90°	9.13	24.30	33.43	141.89	-108.46	PEAK
0.0281	90°	4.73	23.79	28.52	118.63	-90.11	AVG
0.0281	90°	6.18	23.79	29.97	138.63	-108.66	PEAK
0.0413	90°	1.57	22.95	24.52	115.29	-90.76	AVG
0.0413	90°	2.39	22.95	25.34	135.29	-109.94	PEAK
0.5317	90°	20.15	19.90	40.05	73.09	-33.04	QP
1.9135	90°	24.67	19.51	44.18	69.54	-25.36	QP

Test Mode: TX Mode 2412MHz- External antenna

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0112	0°	8.52	24.86	33.38	126.62	-93.24	AVG
0.0112	0°	10.61	24.86	35.47	146.62	-111.15	PEAK
0.0207	0°	6.24	24.26	30.50	121.28	-90.79	AVG
0.0207	0°	7.48	24.26	31.74	141.28	-109.55	PEAK
0.0358	0°	3.29	23.30	26.59	116.53	-89.94	AVG
0.0358	0°	4.13	23.30	27.43	136.53	-109.10	PEAK
0.0411	0°	1.13	22.96	24.09	115.33	-91.23	AVG
0.0411	0°	1.68	22.96	24.64	135.33	-110.68	PEAK
0.5724	0°	18.74	20.03	38.77	72.45	-33.68	QP
2.1263	0°	21.52	19.42	40.94	69.54	-28.60	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0091	90°	12.68	24.30	36.98	128.42	-91.44	AVG
0.0091	90°	13.43	24.30	37.73	148.42	-110.69	PEAK
0.0142	90°	8.32	24.30	32.62	124.56	-91.94	AVG
0.0142	90°	9.75	24.30	34.05	144.56	-110.51	PEAK
0.0228	90°	3.18	24.12	27.30	120.45	-93.14	AVG
0.0228	90°	4.51	24.12	28.63	140.45	-111.81	PEAK
0.0353	90°	1.25	23.33	24.58	116.65	-92.07	AVG
0.0353	90°	2.33	23.33	25.66	136.65	-110.99	PEAK
0.6203	90°	18.52	20.18	38.70	71.75	-33.05	QP
1.9572	90°	22.77	19.50	42.27	69.54	-27.27	QP

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

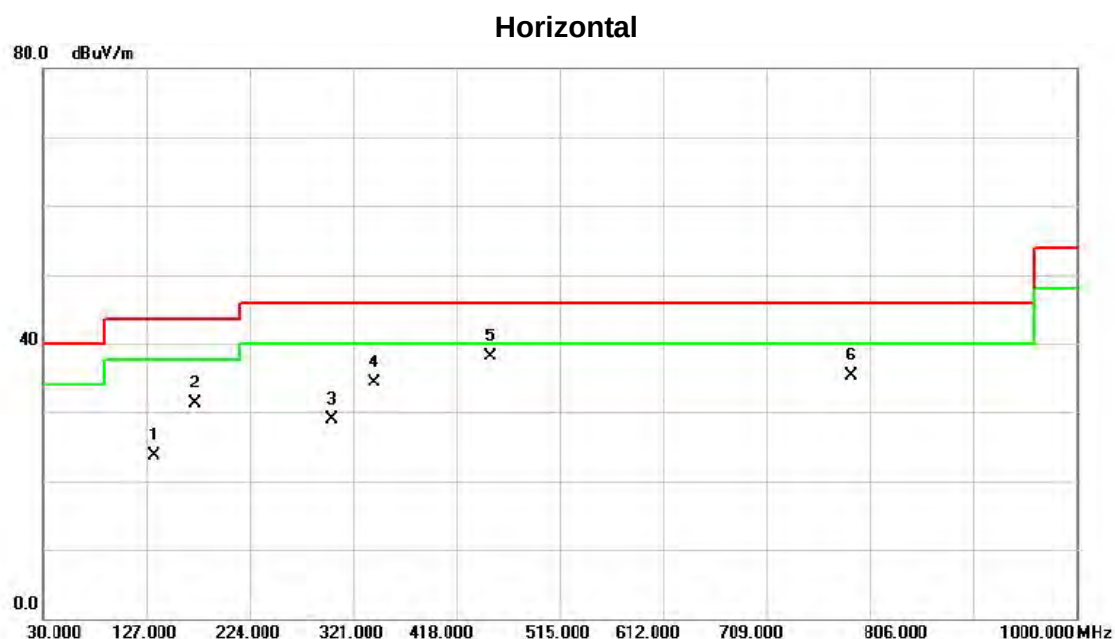
Test Mode: TX B MODE CHANNEL 01 - Internal antenna

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	41.6400	41.60	-14.97	26.63	40.00	-13.37	QP	
2		132.8200	43.30	-13.77	29.53	43.50	-13.97	QP	
3		450.0100	41.50	-9.35	32.15	46.00	-13.85	QP	
4		675.0500	30.10	-5.95	24.15	46.00	-21.85	QP	
5		800.1800	29.80	-3.97	25.83	46.00	-20.17	QP	
6		951.5000	25.70	-1.97	23.73	46.00	-22.27	QP	

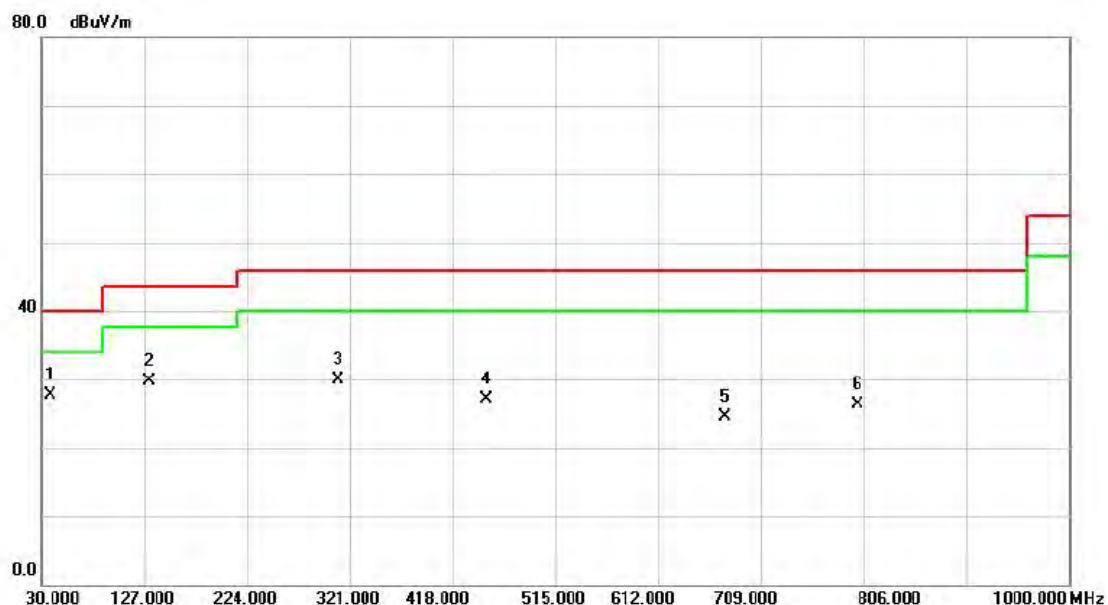
Test Mode: TX B MODE CHANNEL 01 - Internal antenna



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		133.7900	37.50	-13.79	23.71	43.50	-19.79	QP	
2		172.5900	44.10	-12.85	31.25	43.50	-12.25	QP	
3		300.6300	39.70	-10.80	28.90	46.00	-17.10	QP	
4		341.3700	45.30	-10.92	34.38	46.00	-11.62	QP	
5	*	450.0100	47.50	-9.35	38.15	46.00	-7.85	QP	
6		788.5400	39.70	-4.32	35.38	46.00	-10.62	QP	

Test Mode: TX B MODE CHANNEL 06- Internal antenna

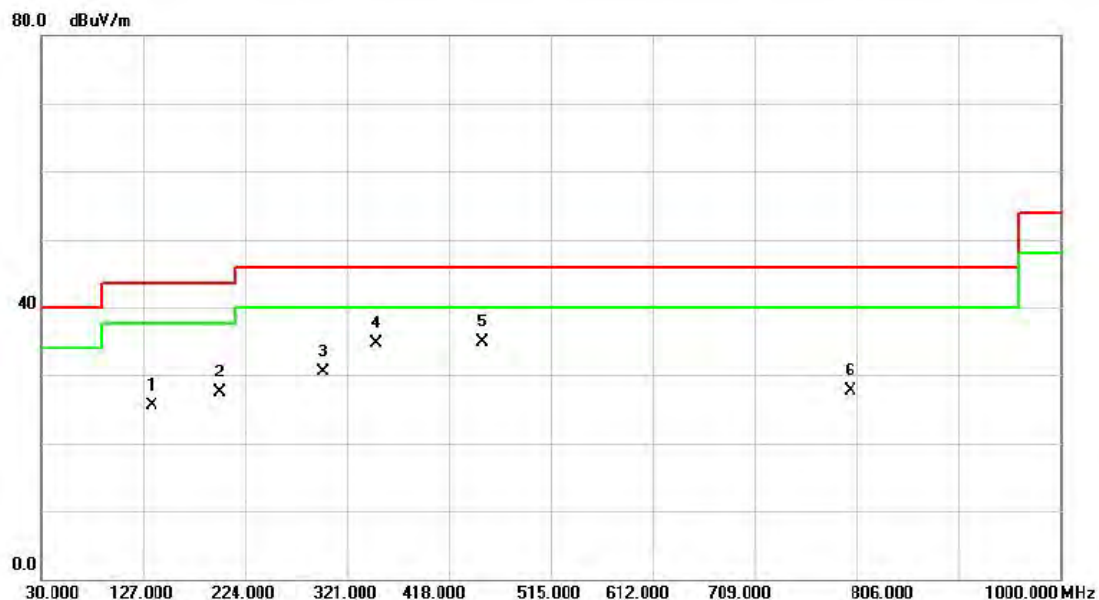
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	38.7300	42.60	-14.96	27.64	40.00	-12.36	QP	
2		131.8500	43.40	-13.74	29.66	43.50	-13.84	QP	
3		310.3300	40.70	-10.83	29.87	46.00	-16.13	QP	
4		450.0100	36.50	-9.35	27.15	46.00	-18.85	QP	
5		675.0500	30.40	-5.95	24.45	46.00	-21.55	QP	
6		800.1800	30.20	-3.97	26.23	46.00	-19.77	QP	

Test Mode: TX B MODE CHANNEL 06- Internal antenna

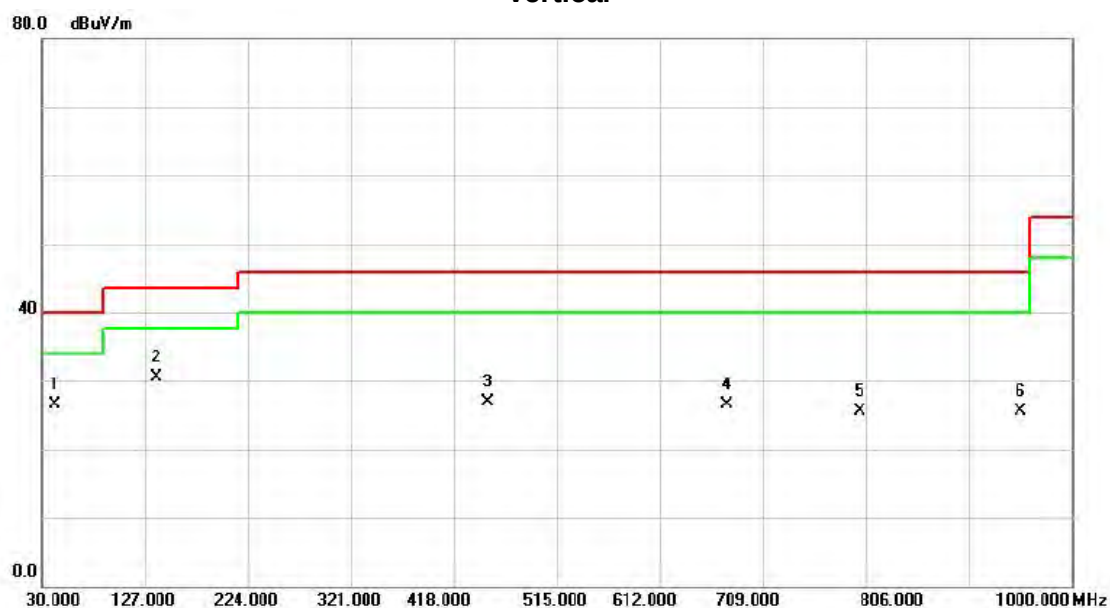
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		134.7600	39.30	-13.83	25.47	43.50	-18.03	QP	
2		199.7500	42.20	-14.64	27.56	43.50	-15.94	QP	
3		298.6900	41.50	-10.99	30.51	46.00	-15.49	QP	
4		348.1600	45.70	-10.93	34.77	46.00	-11.23	QP	
5	*	450.0100	44.20	-9.35	34.85	46.00	-11.15	QP	
6		800.1800	31.70	-3.97	27.73	46.00	-18.27	QP	

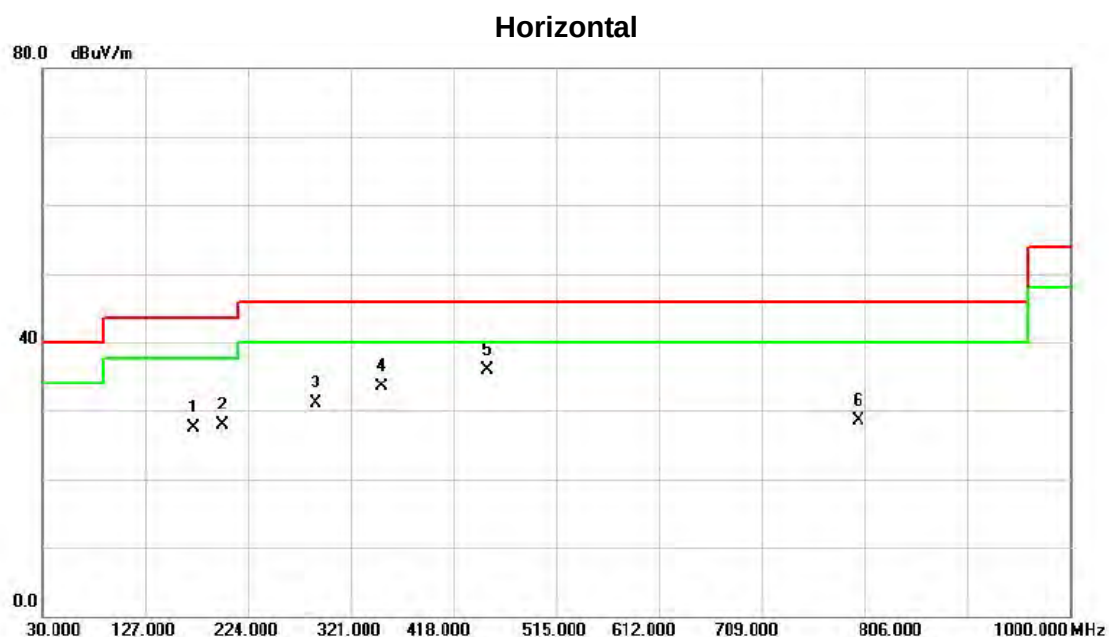
Test Mode: TX B MODE CHANNEL 11- Internal antenna

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		42.6100	41.60	-15.07	26.53	40.00	-13.47	QP	
2	*	137.6700	44.50	-13.91	30.59	43.50	-12.91	QP	
3		450.0100	36.30	-9.35	26.95	46.00	-19.05	QP	
4		675.0500	32.50	-5.95	26.55	46.00	-19.45	QP	
5		800.1800	29.50	-3.97	25.53	46.00	-20.47	QP	
6		951.5000	27.40	-1.97	25.43	46.00	-20.57	QP	

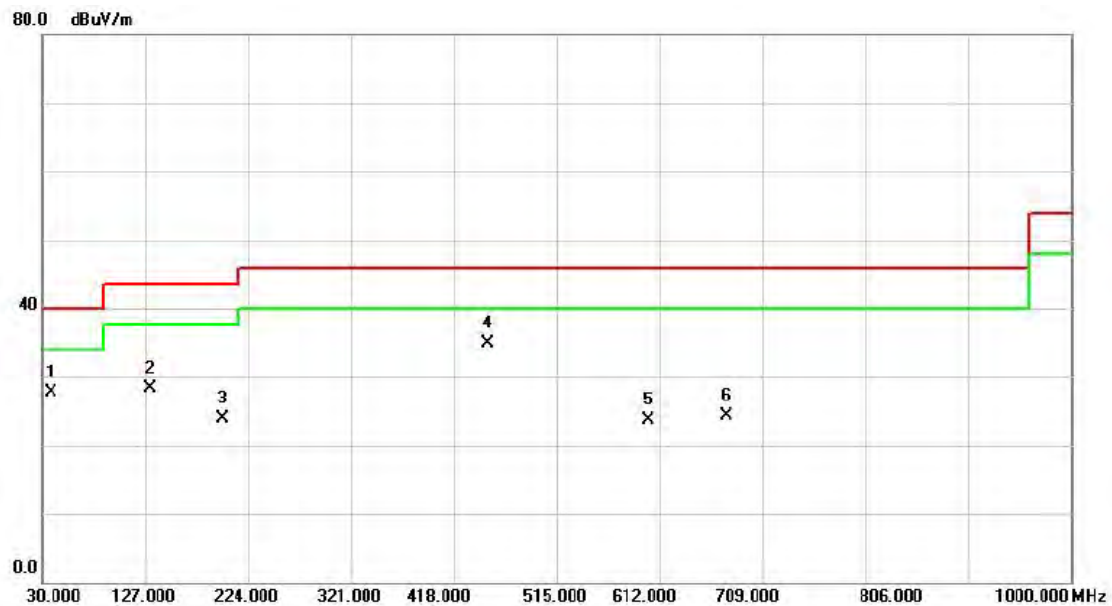
Test Mode: TX B MODE CHANNEL 11- Internal antenna



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		172.5900	40.30	-12.85	27.45	43.50	-16.05	QP	
2		199.7500	42.50	-14.64	27.86	43.50	-15.64	QP	
3		288.0200	43.60	-12.53	31.07	46.00	-14.93	QP	
4		350.1000	44.50	-10.94	33.56	46.00	-12.44	QP	
5	*	450.0100	45.30	-9.35	35.95	46.00	-10.05	QP	
6		800.1800	32.40	-3.97	28.43	46.00	-17.57	QP	

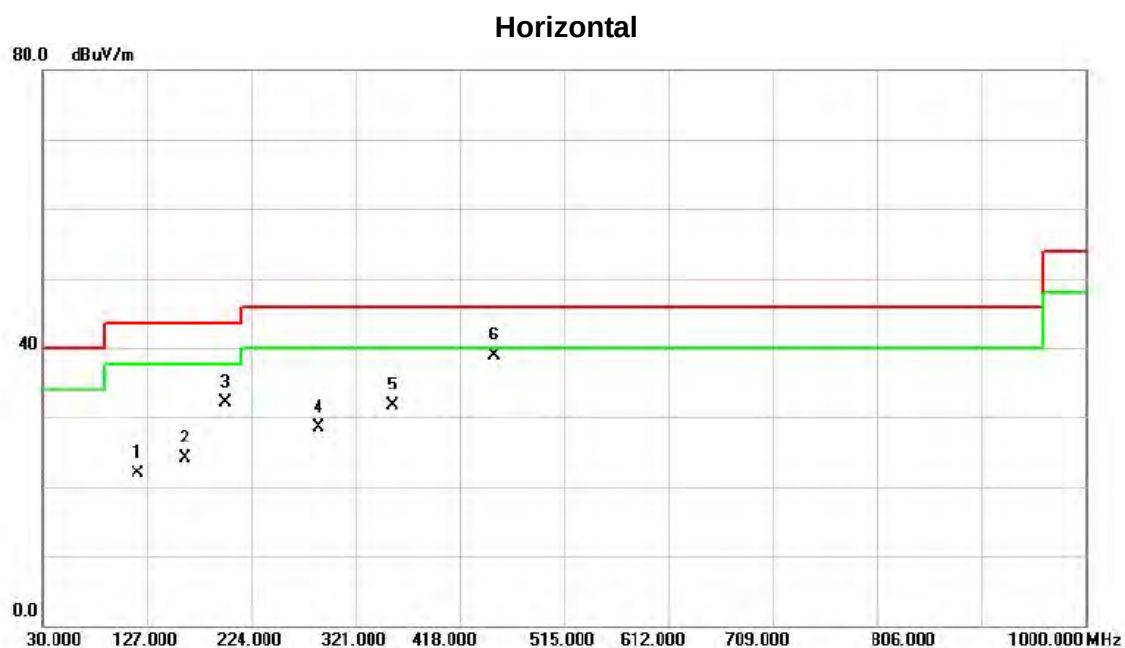
Test Mode: TX B MODE CHANNEL 01 - External antenna

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		38.7300	42.70	-14.96	27.74	40.00	-12.26	QP	
2		131.8500	42.10	-13.74	28.36	43.50	-15.14	QP	
3		199.7500	38.60	-14.64	23.96	43.50	-19.54	QP	
4	*	450.0100	44.30	-9.35	34.95	46.00	-11.05	QP	
5		600.3600	30.50	-6.75	23.75	46.00	-22.25	QP	
6		675.0500	30.20	-5.95	24.25	46.00	-21.75	QP	

Test Mode: TX B MODE CHANNEL 01 - External antenna



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		118.2700	36.20	-14.39	21.81	43.50	-21.69	QP	
2		162.8900	37.50	-13.48	24.02	43.50	-19.48	QP	
3		199.7500	46.70	-14.64	32.06	43.50	-11.44	QP	
4		286.0800	41.20	-12.75	28.45	46.00	-17.55	QP	
5		354.9500	42.60	-10.92	31.68	46.00	-14.32	QP	
6	*	450.0100	48.20	-9.35	38.85	46.00	-7.15	QP	

Test Mode: TX B MODE CHANNEL 06- External antenna

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		38.7300	42.70	-14.96	27.74	40.00	-12.26	QP	
2		131.8500	42.30	-13.74	28.56	43.50	-14.94	QP	
3		199.7500	37.90	-14.64	23.26	43.50	-20.24	QP	
4	*	450.0100	43.50	-9.35	34.15	46.00	-11.85	QP	
5		600.3600	31.60	-6.75	24.85	46.00	-21.15	QP	
6		675.0500	29.70	-5.95	23.75	46.00	-22.25	QP	

Test Mode: TX B MODE CHANNEL 06- External antenna

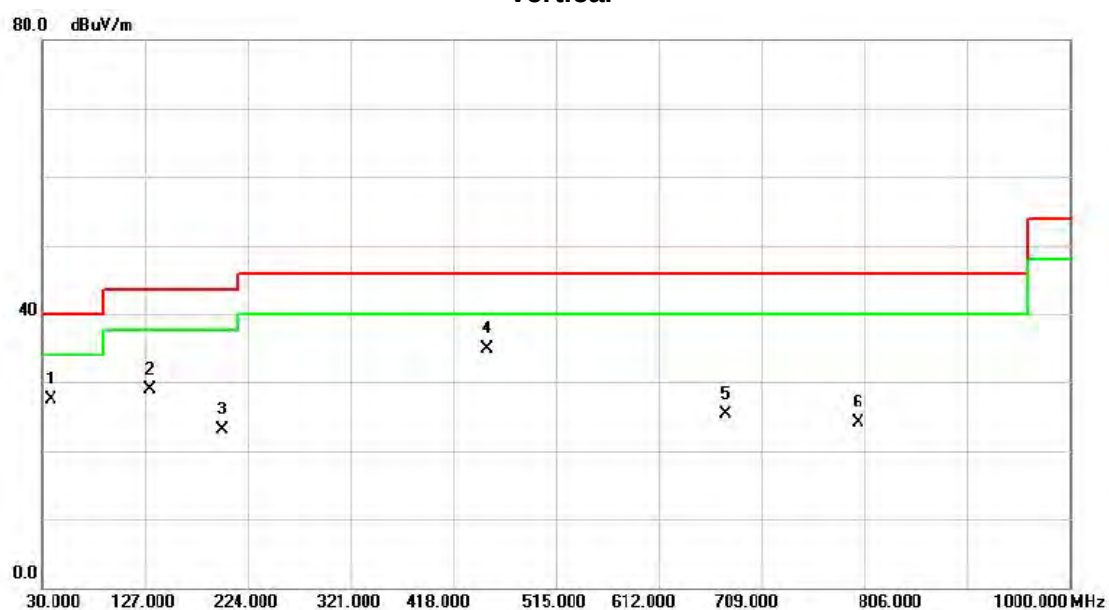
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		117.3000	36.20	-14.48	21.72	43.50	-21.78	QP	
2		166.7700	37.50	-13.15	24.35	43.50	-19.15	QP	
3		199.7500	45.60	-14.64	30.96	43.50	-12.54	QP	
4		286.0800	41.70	-12.75	28.95	46.00	-17.05	QP	
5		364.6500	41.20	-10.90	30.30	46.00	-15.70	QP	
6	*	450.0100	48.40	-9.35	39.05	46.00	-6.95	QP	

Test Mode: TX B MODE CHANNEL 11- External antenna

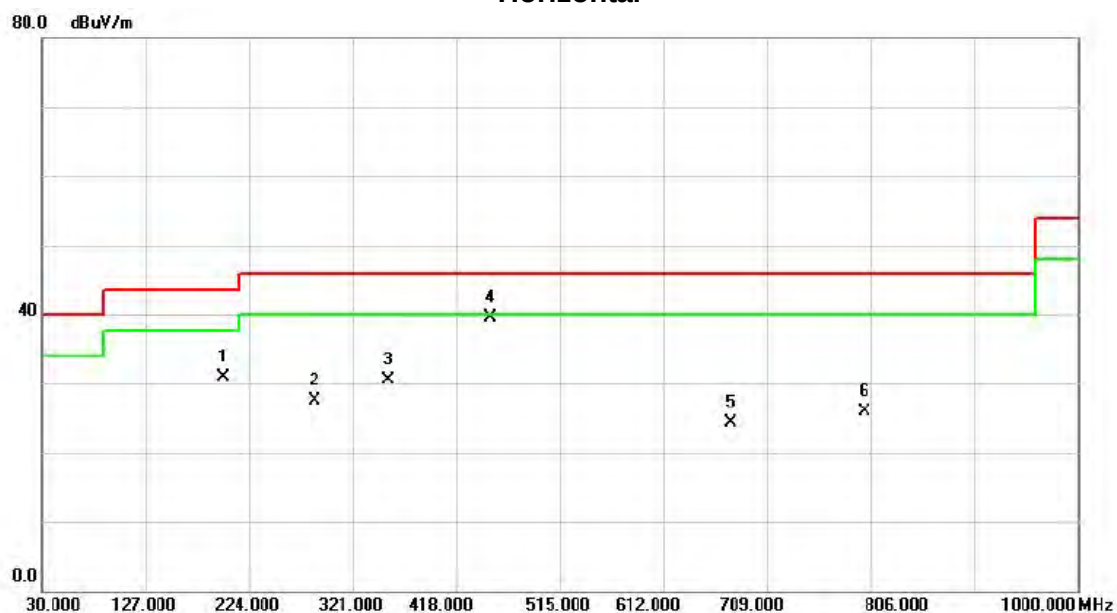
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		38.7300	42.50	-14.96	27.54	40.00	-12.46	QP	
2		130.8800	42.70	-13.70	29.00	43.50	-14.50	QP	
3		199.7500	37.80	-14.64	23.16	43.50	-20.34	QP	
4	*	450.0100	44.30	-9.35	34.95	46.00	-11.05	QP	
5		675.0500	31.20	-5.95	25.25	46.00	-20.75	QP	
6		800.1800	28.10	-3.97	24.13	46.00	-21.87	QP	

Test Mode: TX B MODE CHANNEL 11- External antenna

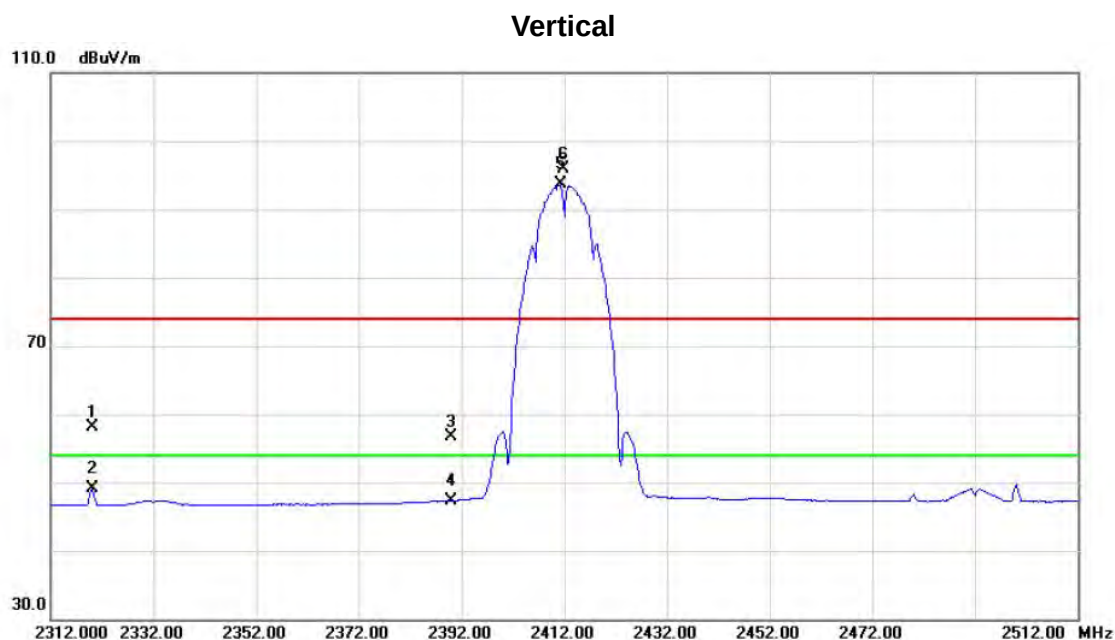
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		199.7500	45.60	-14.64	30.96	43.50	-12.54	QP	
2		285.1100	40.30	-12.86	27.44	46.00	-18.56	QP	
3		353.9800	41.50	-10.93	30.57	46.00	-15.43	QP	
4	*	450.0100	48.90	-9.35	39.55	46.00	-6.45	QP	
5		675.0500	30.20	-5.95	24.25	46.00	-21.75	QP	
6		800.1800	29.80	-3.97	25.83	46.00	-20.17	QP	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz- Internal antenna



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2320.000	25.50	32.59	58.09	74.00	-15.91	peak	
2		2320.000	16.44	32.59	49.03	54.00	-4.97	AVG	
3		2390.000	24.02	32.68	56.70	74.00	-17.30	peak	
4		2390.000	14.71	32.68	47.39	54.00	-6.61	AVG	
5	*	2411.200	60.97	32.71	93.68	54.00	39.68	AVG	No Limit
6	X	2411.800	63.19	32.71	95.90	74.00	21.90	peak	No Limit

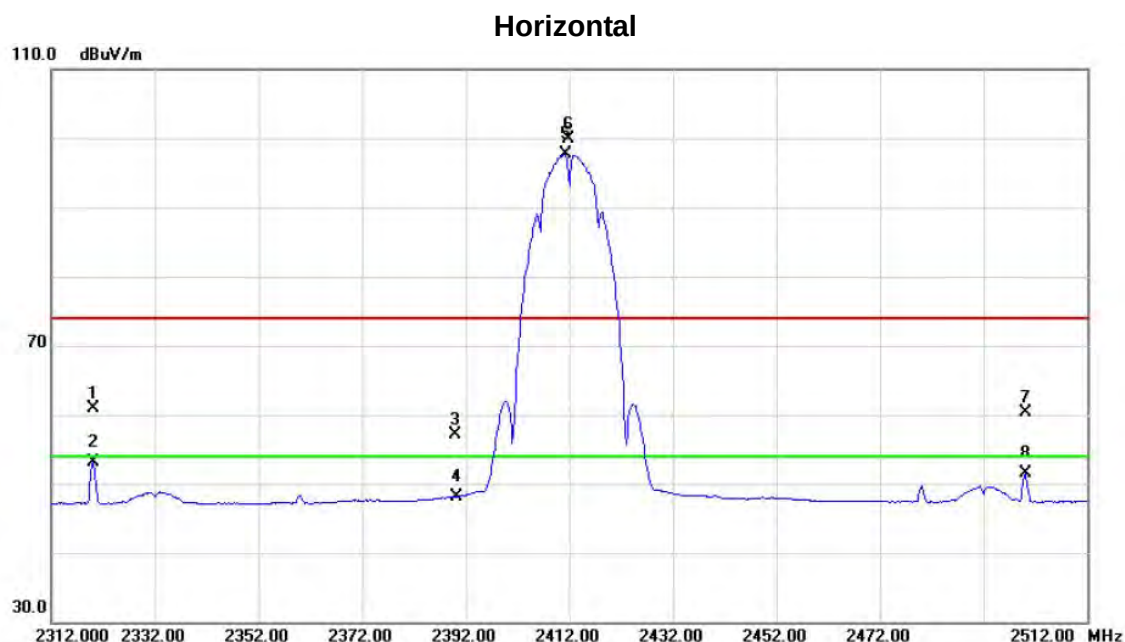
Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz- Internal antenna

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4823.915	45.71	5.87	51.58	74.00	-22.42	peak	
2	*	4824.005	39.57	5.87	45.44	54.00	-8.56	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz- Internal antenna



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2320.000	28.31	32.59	60.90	74.00	-13.10	peak	
2		2320.000	20.60	32.59	53.19	54.00	-0.81	AVG	
3		2390.000	24.40	32.68	57.08	74.00	-16.92	peak	
4		2390.000	15.50	32.68	48.18	54.00	-5.82	AVG	
5	*	2411.200	65.06	32.71	97.77	54.00	43.77	AVG	No Limit
6	X	2411.800	67.23	32.71	99.94	74.00	25.94	peak	No Limit
7		2500.000	27.51	32.83	60.34	74.00	-13.66	peak	
8		2500.000	18.70	32.83	51.53	54.00	-2.47	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz- Internal antenna

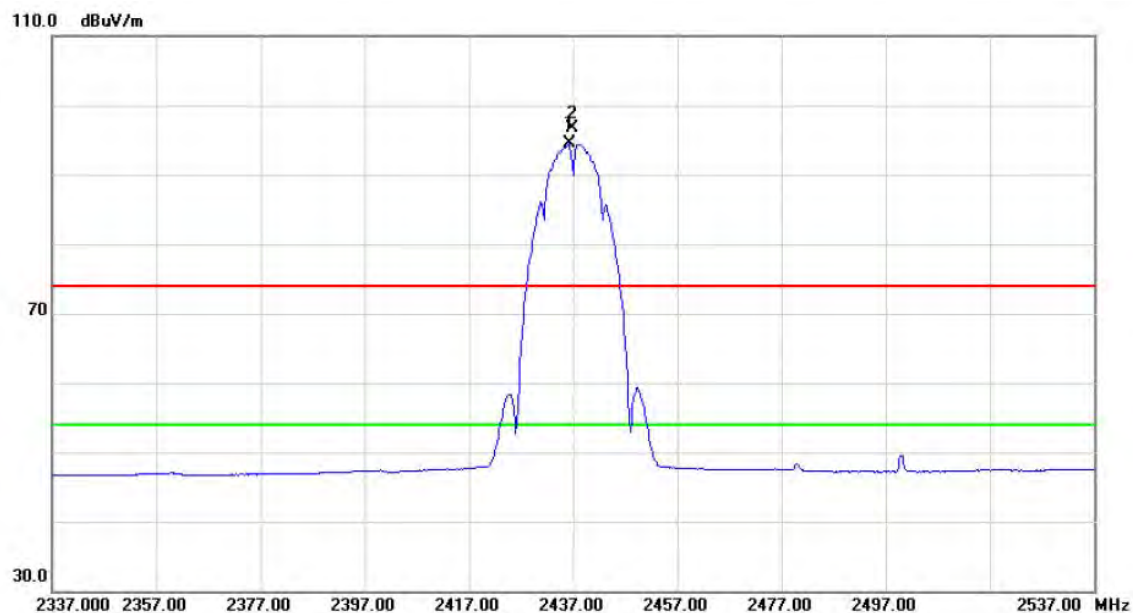
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4824.015	38.03	5.87	43.90	54.00	-10.10	AVG	
2		4824.130	45.30	5.87	51.17	74.00	-22.83	peak	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz- Internal antenna

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2436.200	61.70	32.74	94.44	54.00	40.44	AVG	No Limit
2	X	2436.800	64.02	32.74	96.76	74.00	22.76	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz- Internal antenna

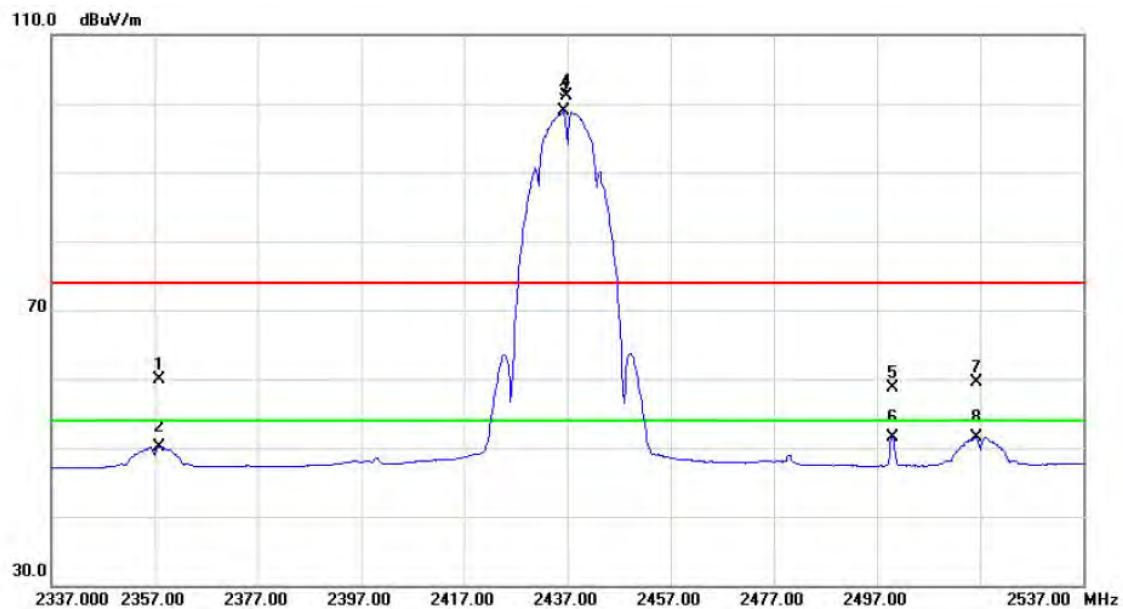
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4873.960	47.67	6.01	53.68	74.00	-20.32	peak	
2	*	4874.030	43.06	6.01	49.07	54.00	-4.93	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz- Internal antenna

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2357.800	27.34	32.64	59.98	74.00	-14.02	peak	
2		2357.800	17.53	32.64	50.17	54.00	-3.83	AVG	
3	*	2436.200	66.13	32.74	98.87	54.00	44.87	AVG	No Limit
4	X	2436.800	68.30	32.74	101.04	74.00	27.04	peak	No Limit
5		2500.000	25.94	32.83	58.77	74.00	-15.23	peak	
6		2500.000	18.74	32.83	51.57	54.00	-2.43	AVG	
7		2516.200	26.72	32.86	59.58	74.00	-14.42	peak	
8		2516.200	18.63	32.86	51.49	54.00	-2.51	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz- Internal antenna

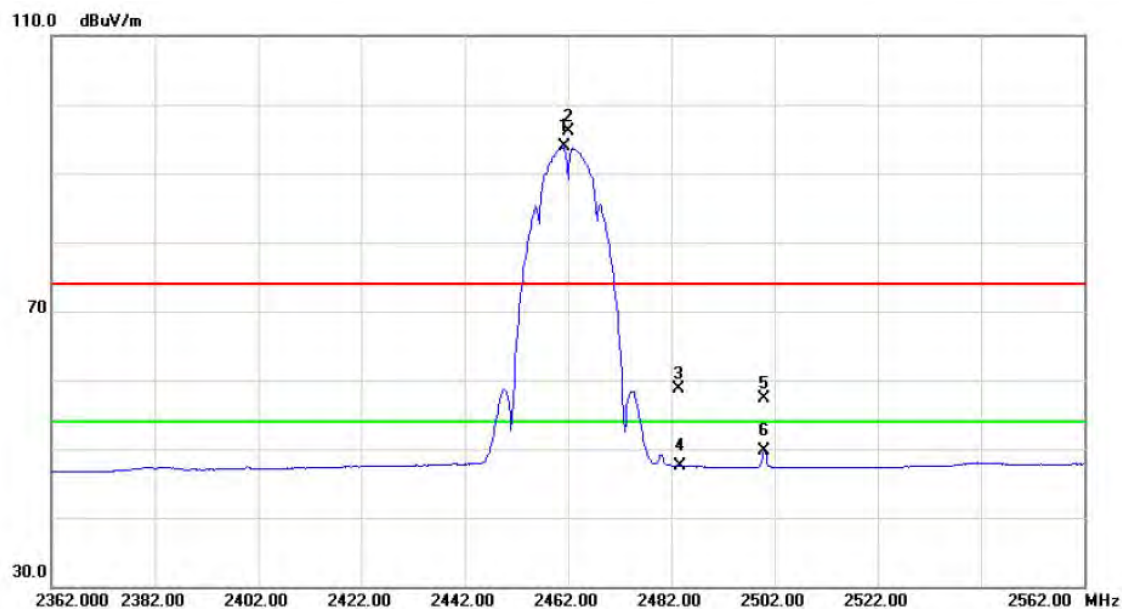
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4873.915	47.40	6.01	53.41	74.00	-20.59	peak	
2	*	4874.040	42.24	6.01	48.25	54.00	-5.75	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz- Internal antenna

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2461.200	61.10	32.78	93.88	54.00	39.88	AVG	No Limit
2	X	2462.000	63.32	32.78	96.10	74.00	22.10	peak	No Limit
3		2483.500	25.92	32.81	58.73	74.00	-15.27	peak	
4		2483.500	14.72	32.81	47.53	54.00	-6.47	AVG	
5		2500.000	24.55	32.83	57.38	74.00	-16.62	peak	
6		2500.000	16.80	32.83	49.63	54.00	-4.37	AVG	

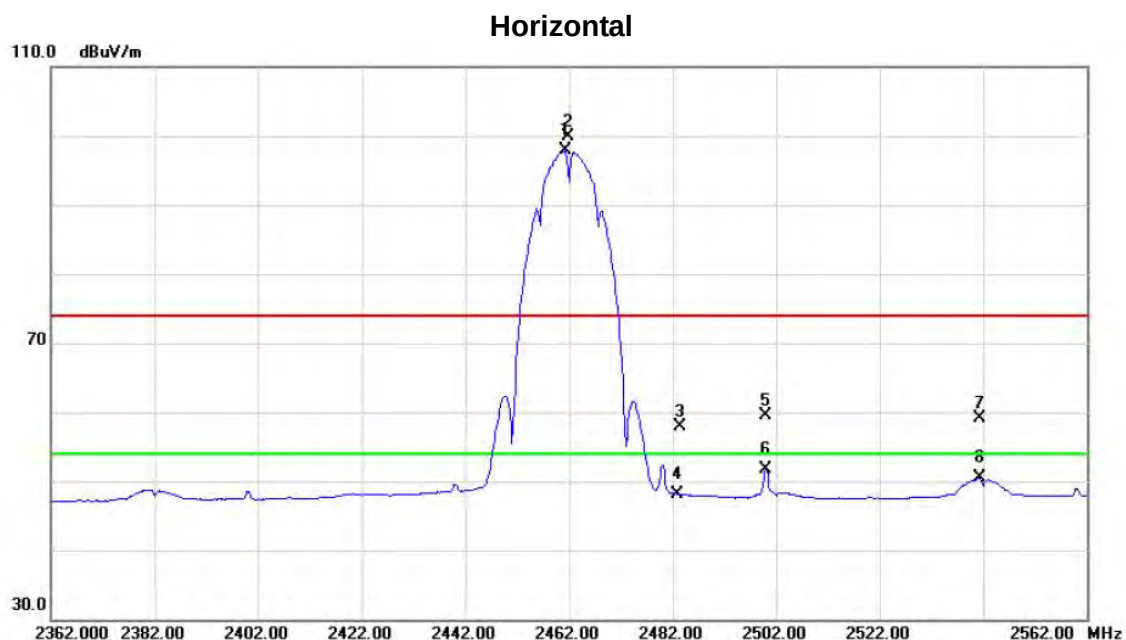
Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz- Internal antenna

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4924.015	41.71	6.14	47.85	54.00	-6.15	AVG	
2		4924.055	46.43	6.14	52.57	74.00	-21.43	peak	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz- Internal antenna



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2461.200	65.12	32.78	97.90	54.00	43.90	AVG	No Limit
2	X	2461.800	67.17	32.78	99.95	74.00	25.95	peak	No Limit
3		2483.500	25.02	32.81	57.83	74.00	-16.17	peak	
4		2483.500	15.31	32.81	48.12	54.00	-5.88	AVG	
5		2500.000	26.77	32.83	59.60	74.00	-14.40	peak	
6		2500.000	18.91	32.83	51.74	54.00	-2.26	AVG	
7		2541.200	26.13	32.90	59.03	74.00	-14.97	peak	
8		2541.200	17.61	32.90	50.51	54.00	-3.49	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz- Internal antenna

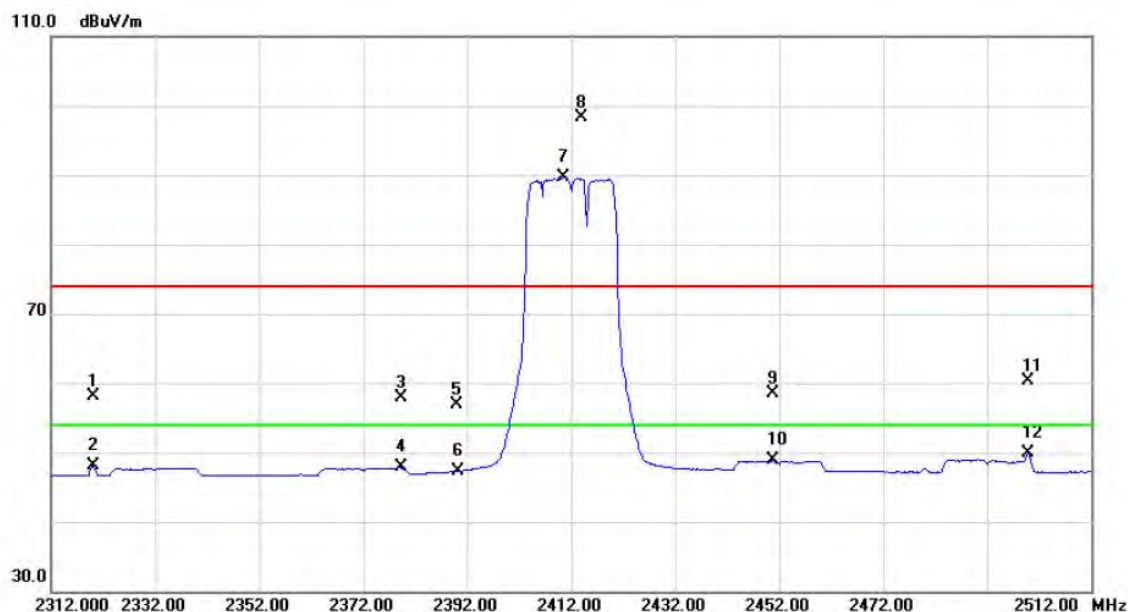
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4923.985	46.43	6.14	52.57	74.00	-21.43	peak	
2	*	4924.030	40.37	6.14	46.51	54.00	-7.49	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz- Internal antenna

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2320.000	25.47	32.59	58.06	74.00	-15.94	peak	
2		2320.000	15.57	32.59	48.16	54.00	-5.84	AVG	
3		2379.200	25.31	32.66	57.97	74.00	-16.03	peak	
4		2379.200	15.17	32.66	47.83	54.00	-6.17	AVG	
5		2390.000	24.31	32.68	56.99	74.00	-17.01	peak	
6		2390.000	14.65	32.68	47.33	54.00	-6.67	AVG	
7	*	2410.600	57.02	32.71	89.73	54.00	35.73	AVG	No Limit
8	X	2414.000	65.62	32.71	98.33	74.00	24.33	peak	No Limit
9		2450.800	25.77	32.76	58.53	74.00	-15.47	peak	
10		2450.800	16.06	32.76	48.82	54.00	-5.18	AVG	
11		2499.800	27.52	32.83	60.35	74.00	-13.65	peak	
12		2499.800	17.06	32.83	49.89	54.00	-4.11	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz- Internal antenna

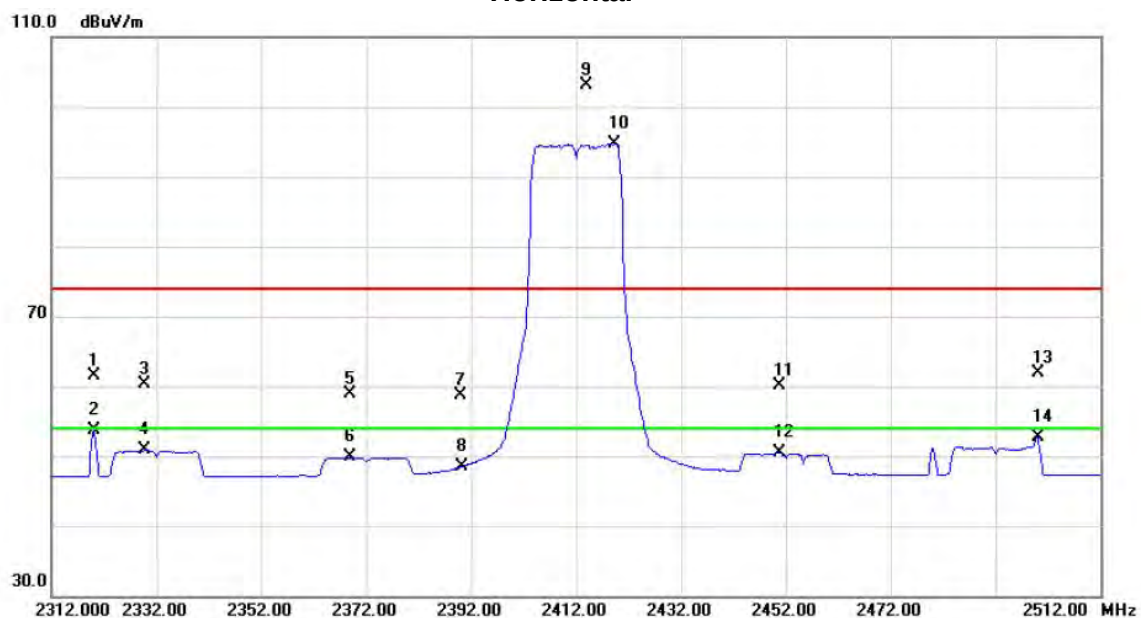
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4823.990	47.05	5.87	52.92	74.00	-21.08	peak	
2	*	4824.040	35.11	5.87	40.98	54.00	-13.02	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz- Internal antenna

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2320.000	28.91	32.59	61.50	74.00	-12.50	peak	
2		2320.000	21.07	32.59	53.66	54.00	-0.34	AVG	
3		2329.600	27.69	32.59	60.28	74.00	-13.72	peak	
4		2329.600	18.25	32.59	50.84	54.00	-3.16	AVG	
5		2368.800	26.24	32.65	58.89	74.00	-15.11	peak	
6		2368.800	17.17	32.65	49.82	54.00	-4.18	AVG	
7		2390.000	25.93	32.68	58.61	74.00	-15.39	peak	
8		2390.000	15.79	32.68	48.47	54.00	-5.53	AVG	
9	X	2414.000	70.38	32.71	103.09	74.00	29.09	peak	No Limit
10	*	2419.400	62.01	32.72	94.73	54.00	40.73	AVG	No Limit
11		2450.800	27.27	32.76	60.03	74.00	-13.97	peak	
12		2450.800	17.79	32.76	50.55	54.00	-3.45	AVG	
13		2500.000	29.07	32.83	61.90	74.00	-12.10	peak	
14		2500.000	19.96	32.83	52.79	54.00	-1.21	AVG	

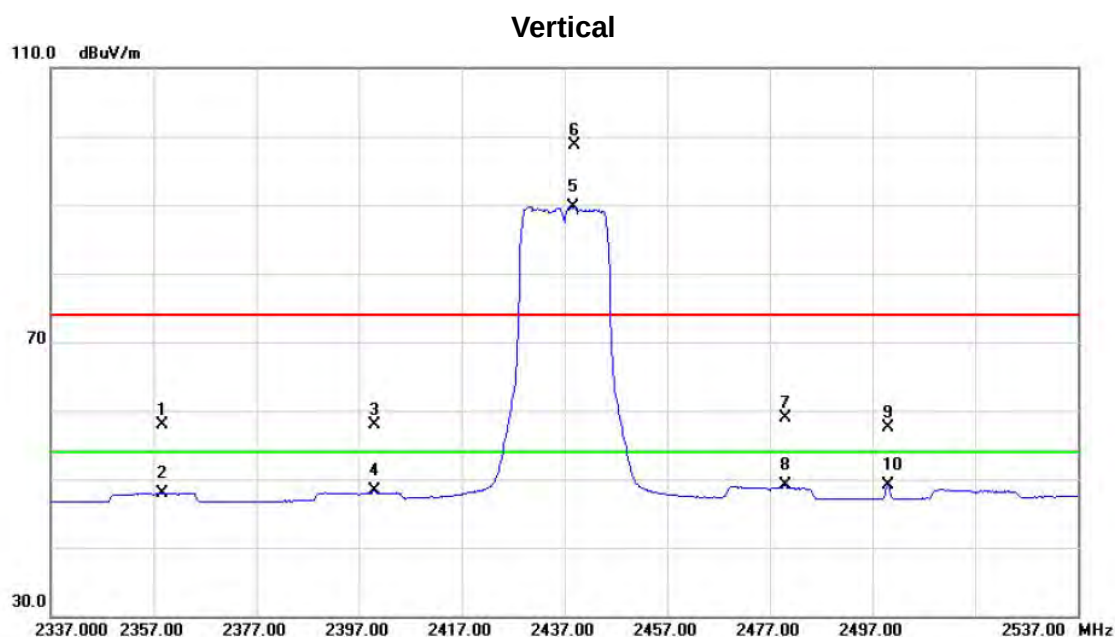
Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz- Internal antenna

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4823.970	42.44	5.87	48.31	74.00	-25.69	peak	
2	*	4824.060	30.78	5.87	36.65	54.00	-17.35	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz- Internal antenna



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2358.800	25.36	32.64	58.00	74.00	-16.00	peak	
2		2358.800	15.33	32.64	47.97	54.00	-6.03	AVG	
3		2400.000	25.13	32.69	57.82	74.00	-16.18	peak	
4		2400.000	15.57	32.69	48.26	54.00	-5.74	AVG	
5	*	2438.800	57.03	32.74	89.77	54.00	35.77	AVG	No Limit
6	X	2439.000	65.90	32.74	98.64	74.00	24.64	peak	No Limit
7		2480.000	26.10	32.80	58.90	74.00	-15.10	peak	
8		2480.000	16.28	32.80	49.08	54.00	-4.92	AVG	
9		2500.000	24.64	32.83	57.47	74.00	-16.53	peak	
10		2500.000	16.23	32.83	49.06	54.00	-4.94	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz- Internal antenna

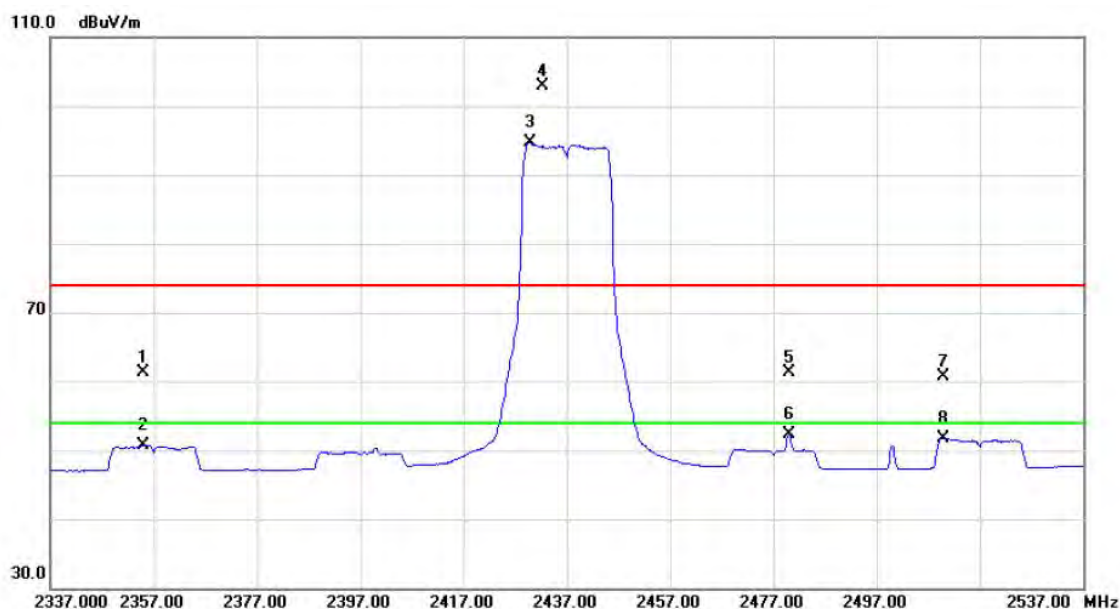
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.000	47.54	6.01	53.55	74.00	-20.45	peak	
2	*	4874.000	36.36	6.01	42.37	54.00	-11.63	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz- Internal antenna

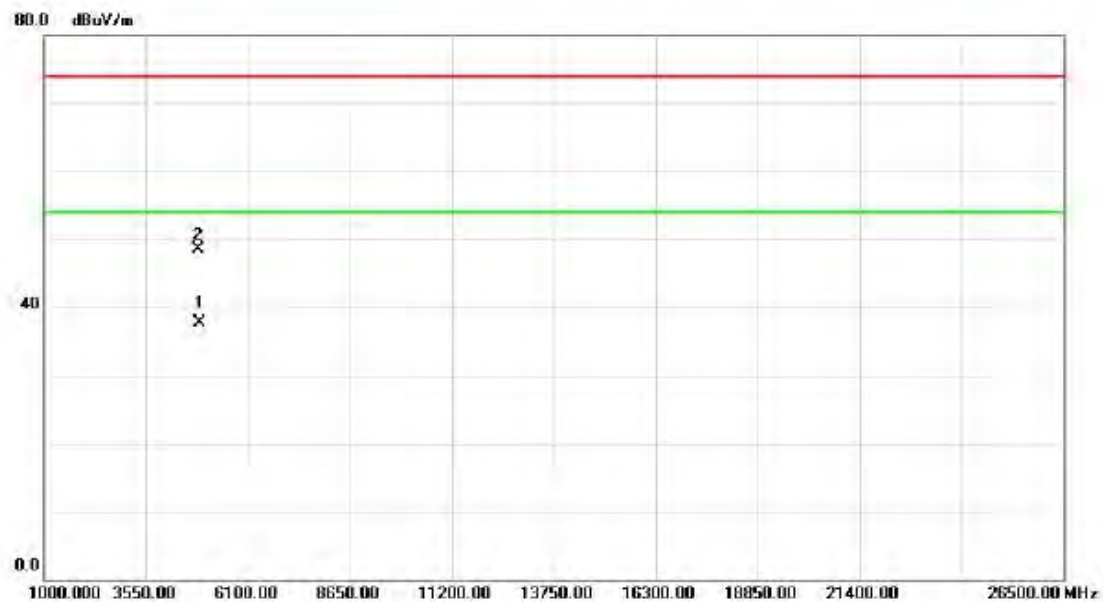
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2355.000	28.58	32.63	61.21	74.00	-12.79	peak	
2		2355.000	18.10	32.63	50.73	54.00	-3.27	AVG	
3	*	2429.800	61.95	32.73	94.68	54.00	40.68	AVG	No Limit
4	X	2432.200	70.13	32.74	102.87	74.00	28.87	peak	No Limit
5		2480.000	28.49	32.80	61.29	74.00	-12.71	peak	
6		2480.000	19.59	32.80	52.39	54.00	-1.61	AVG	
7		2509.800	27.84	32.85	60.69	74.00	-13.31	peak	
8		2509.800	18.89	32.85	51.74	54.00	-2.26	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz- Internal antenna

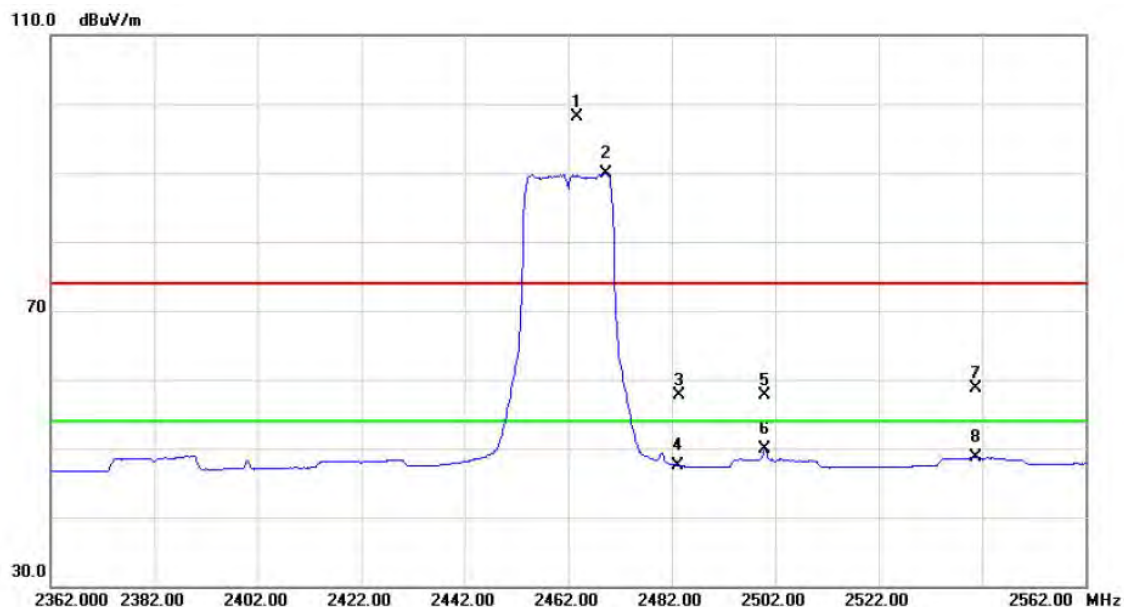
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4874.090	31.66	6.01	37.67	54.00	-16.33	AVG	
2		4874.140	42.55	6.01	48.56	74.00	-25.44	peak	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz- Internal antenna

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2463.800	65.37	32.78	98.15	74.00	24.15	peak	No Limit
2	*	2469.400	57.10	32.79	89.89	54.00	35.89	AVG	No Limit
3		2483.500	24.83	32.81	57.64	74.00	-16.36	peak	
4		2483.500	14.73	32.81	47.54	54.00	-6.46	AVG	
5		2500.000	24.80	32.83	57.63	74.00	-16.37	peak	
6		2500.000	17.03	32.83	49.86	54.00	-4.14	AVG	
7		2540.800	25.72	32.90	58.62	74.00	-15.38	peak	
8		2540.800	15.80	32.90	48.70	54.00	-5.30	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz- Internal antenna

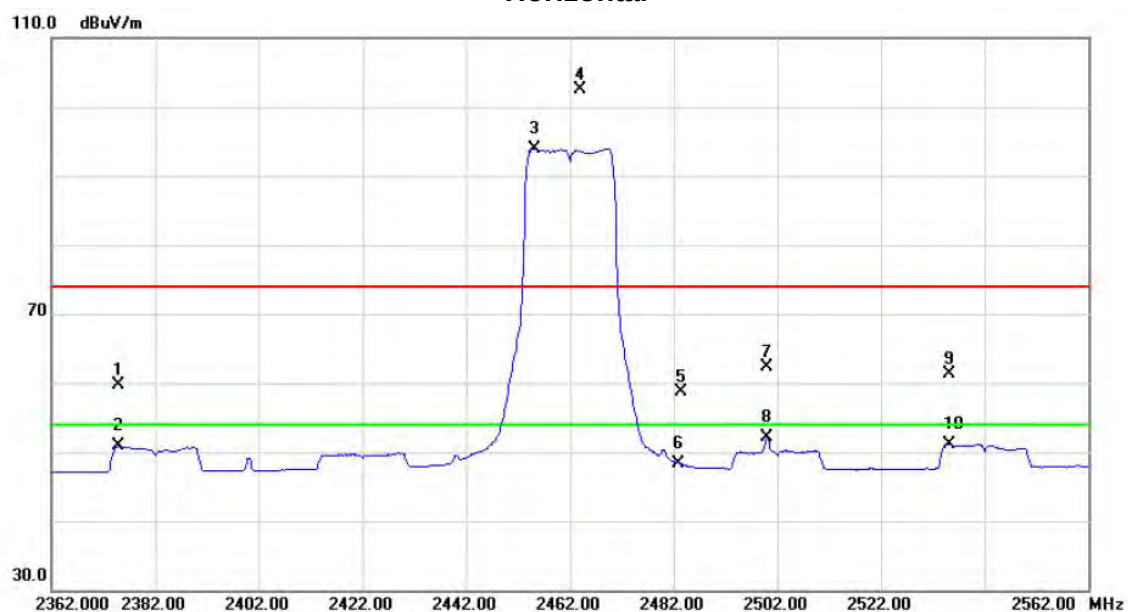
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4924.000	43.72	6.14	49.86	74.00	-24.14	peak	
2	*	4924.000	33.88	6.14	40.02	54.00	-13.98	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz- Internal antenna

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2375.000	27.05	32.66	59.71	74.00	-14.29	peak	
2		2375.000	18.15	32.66	50.81	54.00	-3.19	AVG	
3	*	2455.200	61.21	32.76	93.97	54.00	39.97	AVG	No Limit
4	X	2464.000	69.66	32.78	102.44	74.00	28.44	peak	No Limit
5		2483.500	25.93	32.81	58.74	74.00	-15.26	peak	
6		2483.500	15.47	32.81	48.28	54.00	-5.72	AVG	
7		2500.000	29.47	32.83	62.30	74.00	-11.70	peak	
8		2500.000	19.21	32.83	52.04	54.00	-1.96	AVG	
9		2535.200	28.45	32.89	61.34	74.00	-12.66	peak	
10		2535.200	18.30	32.89	51.19	54.00	-2.81	AVG	

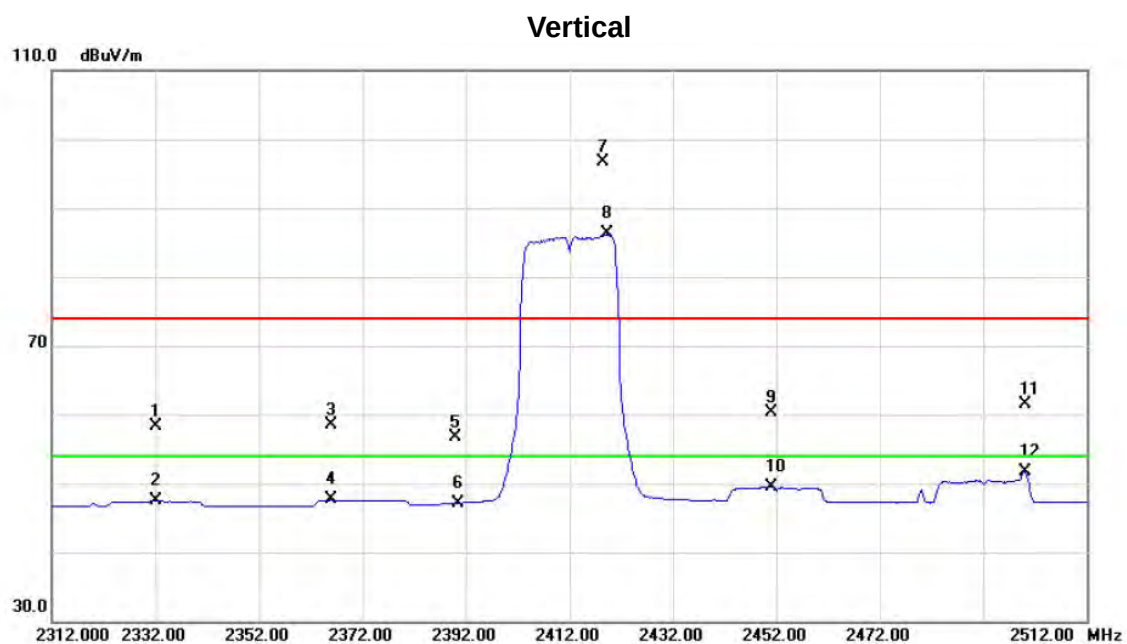
Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz- Internal antenna

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4924.050	30.34	6.14	36.48	54.00	-17.52	AVG	
2		4924.140	41.18	6.14	47.32	74.00	-26.68	peak	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz- Internal antenna



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2332.000	25.70	32.60	58.30	74.00	-15.70	peak	
2	2332.000	14.98	32.60	47.58	54.00	-6.42	AVG	
3	2366.000	25.91	32.64	58.55	74.00	-15.45	peak	
4	2366.000	14.97	32.64	47.61	54.00	-6.39	AVG	
5	2390.000	24.05	32.68	56.73	74.00	-17.27	peak	
6	2390.000	14.44	32.68	47.12	54.00	-6.88	AVG	
7 X	2418.600	63.93	32.71	96.64	74.00	22.64	peak	No Limit
8 *	2419.400	53.56	32.72	86.28	54.00	32.28	AVG	No Limit
9	2451.000	27.55	32.76	60.31	74.00	-13.69	peak	
10	2451.000	16.76	32.76	49.52	54.00	-4.48	AVG	
11	2500.000	28.60	32.83	61.43	74.00	-12.57	peak	
12	2500.000	18.86	32.83	51.69	54.00	-2.31	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz- Internal antenna

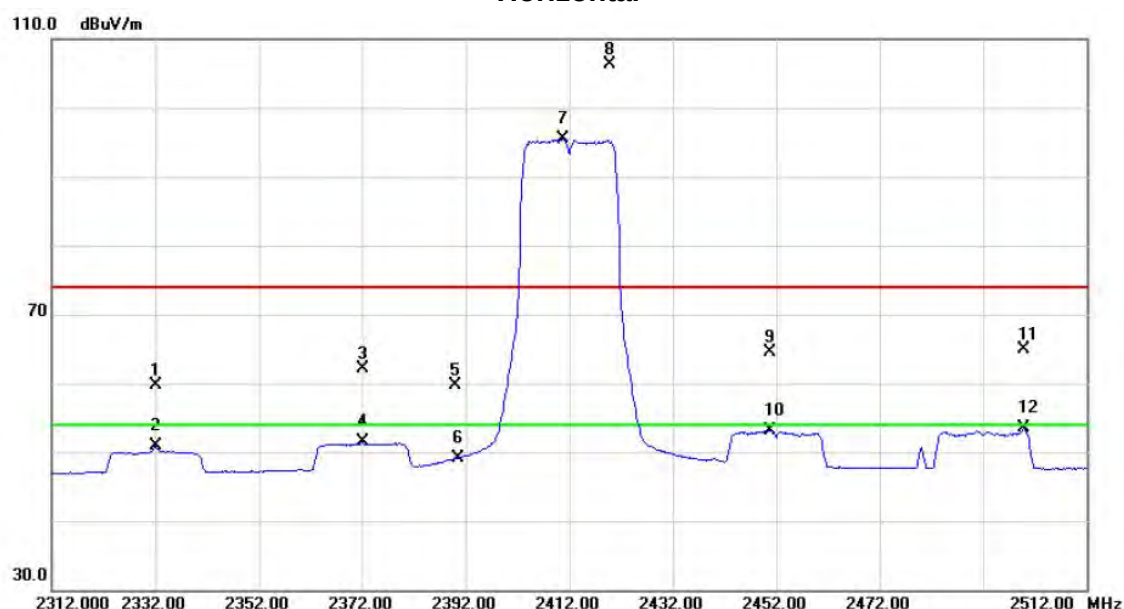
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4823.940	42.26	5.87	48.13	74.00	-25.87	peak	
2	*	4823.940	31.70	5.87	37.57	54.00	-16.43	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz- Internal antenna

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2332.000	27.20	32.60	59.80	74.00	-14.20	peak	
2		2332.000	18.30	32.60	50.90	54.00	-3.10	AVG	
3		2372.000	29.49	32.66	62.15	74.00	-11.85	peak	
4		2372.000	18.80	32.66	51.46	54.00	-2.54	AVG	
5		2390.000	27.02	32.68	59.70	74.00	-14.30	peak	
6		2390.000	16.43	32.68	49.11	54.00	-4.89	AVG	
7	*	2410.800	62.72	32.71	95.43	54.00	41.43	AVG	No Limit
8	X	2419.800	73.60	32.72	106.32	74.00	32.32	peak	No Limit
9		2450.800	31.79	32.76	64.55	74.00	-9.45	peak	
10		2450.800	20.40	32.76	53.16	54.00	-0.84	AVG	
11		2499.800	32.12	32.83	64.95	74.00	-9.05	peak	
12		2499.800	20.65	32.83	53.48	54.00	-0.52	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz- Internal antenna

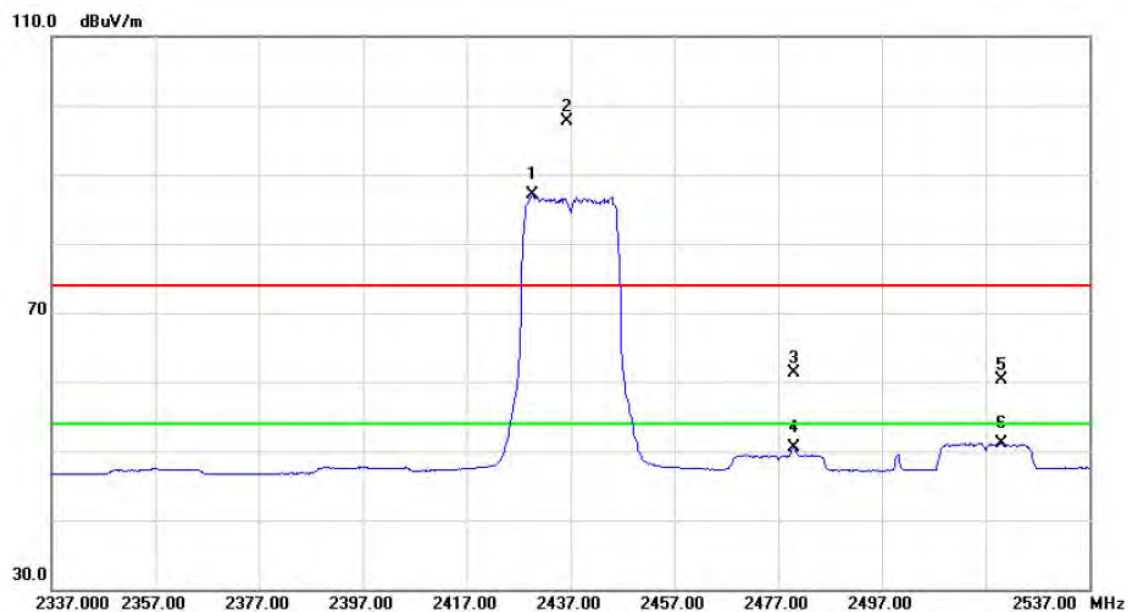
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4823.750	30.88	5.87	36.75	54.00	-17.25	AVG	
2		4823.960	41.23	5.87	47.10	74.00	-26.90	peak	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz- Internal antenna

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2429.600	54.36	32.73	87.09	54.00	33.09	AVG	No Limit
2	X	2436.200	64.94	32.74	97.68	74.00	23.68	peak	No Limit
3		2480.000	28.46	32.80	61.26	74.00	-12.74	peak	
4		2480.000	17.71	32.80	50.51	54.00	-3.49	AVG	
5		2520.000	27.35	32.86	60.21	74.00	-13.79	peak	
6		2520.000	18.34	32.86	51.20	54.00	-2.80	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz- Internal antenna

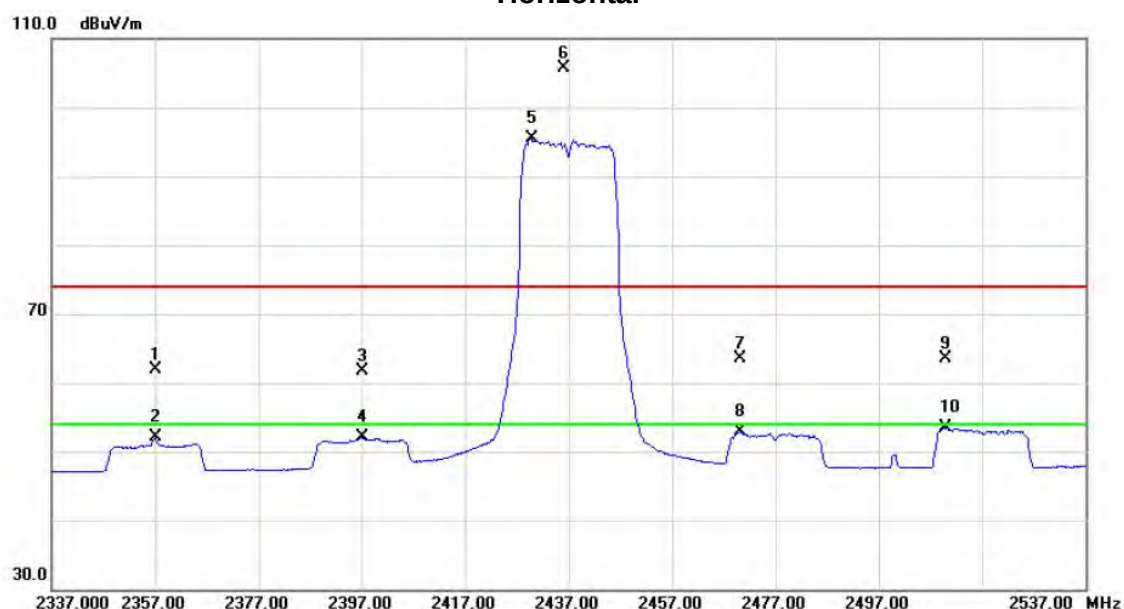
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4874.020	43.46	6.01	49.47	74.00	-24.53	peak	
2	*	4873.640	32.53	6.01	38.54	54.00	-15.46	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz- Internal antenna

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2357.000	29.21	32.64	61.85	74.00	-12.15	peak	
2		2357.000	19.49	32.64	52.13	54.00	-1.87	AVG	
3		2397.000	29.04	32.69	61.73	74.00	-12.27	peak	
4		2397.000	19.41	32.69	52.10	54.00	-1.90	AVG	
5	*	2429.800	62.85	32.73	95.58	54.00	41.58	AVG	No Limit
6	X	2436.000	72.96	32.74	105.70	74.00	31.70	peak	No Limit
7		2470.200	30.63	32.79	63.42	74.00	-10.58	peak	
8		2470.200	20.08	32.79	52.87	54.00	-1.13	AVG	
9		2509.800	30.59	32.85	63.44	74.00	-10.56	peak	
10		2509.800	20.58	32.85	53.43	54.00	-0.57	AVG	

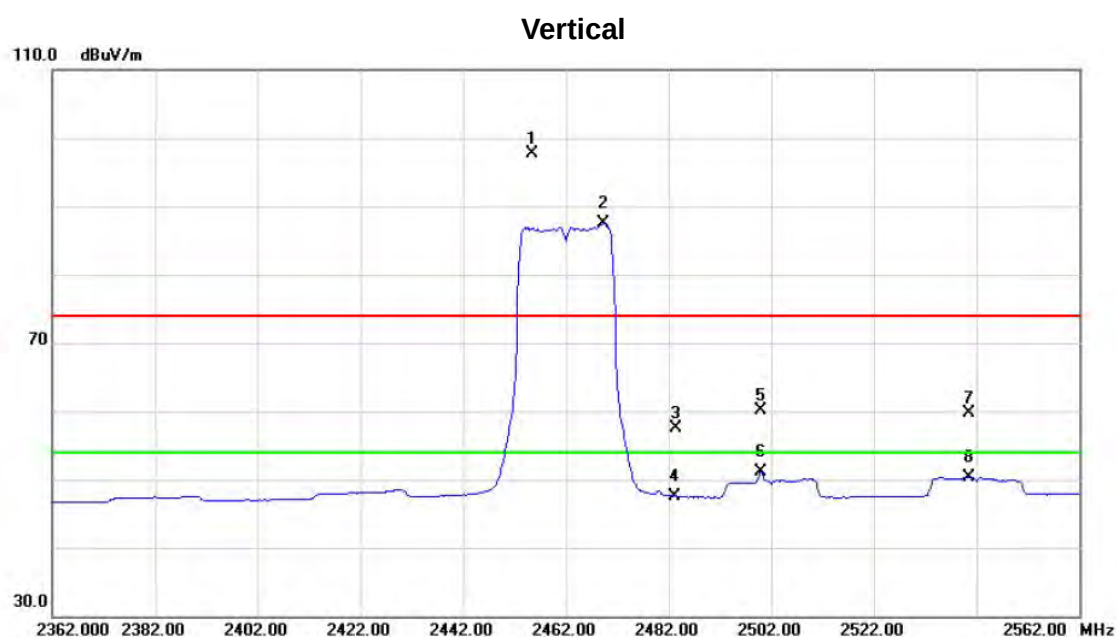
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz- Internal antenna

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4873.680	30.23	6.01	36.24	54.00	-17.76	AVG	
2		4874.180	40.94	6.01	46.95	74.00	-27.05	peak	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz- Internal antenna



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2455.400	64.99	32.76	97.75	74.00	23.75	peak	No Limit
2	*	2469.400	54.72	32.79	87.51	54.00	33.51	AVG	No Limit
3		2483.500	24.65	32.81	57.46	74.00	-16.54	peak	
4		2483.500	14.72	32.81	47.53	54.00	-6.47	AVG	
5		2500.000	27.34	32.83	60.17	74.00	-13.83	peak	
6		2500.000	18.30	32.83	51.13	54.00	-2.87	AVG	
7		2540.600	26.88	32.89	59.77	74.00	-14.23	peak	
8		2540.600	17.47	32.89	50.36	54.00	-3.64	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz- Internal antenna

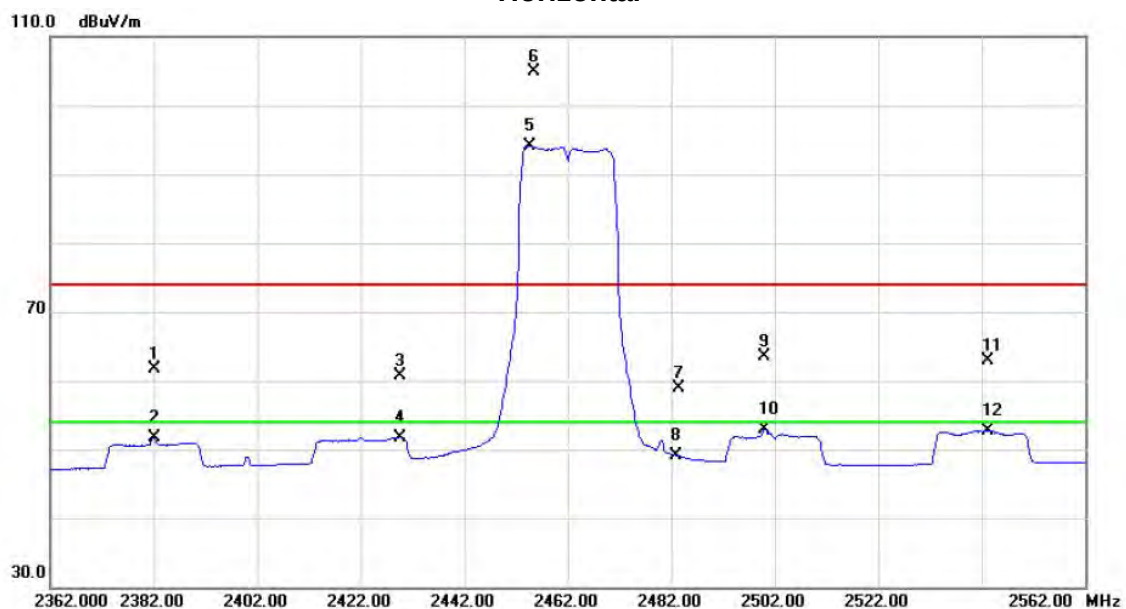
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4923.930	30.83	6.14	36.97	54.00	-17.03	AVG	
2		4923.960	41.52	6.14	47.66	74.00	-26.34	peak	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz- Internal antenna

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2382.000	28.96	32.67	61.63	74.00	-12.37	peak	
2		2382.000	19.11	32.67	51.78	54.00	-2.22	AVG	
3		2429.600	28.00	32.73	60.73	74.00	-13.27	peak	
4		2429.600	19.07	32.73	51.80	54.00	-2.20	AVG	
5	*	2454.600	61.34	32.76	94.10	54.00	40.10	AVG	No Limit
6	X	2455.400	72.15	32.76	104.91	74.00	30.91	peak	No Limit
7		2483.500	26.07	32.81	58.88	74.00	-15.12	peak	
8		2483.500	16.22	32.81	49.03	54.00	-4.97	AVG	
9		2500.000	30.67	32.83	63.50	74.00	-10.50	peak	
10		2500.000	20.15	32.83	52.98	54.00	-1.02	AVG	
11		2543.200	29.91	32.90	62.81	74.00	-11.19	peak	
12		2543.200	19.90	32.90	52.80	54.00	-1.20	AVG	

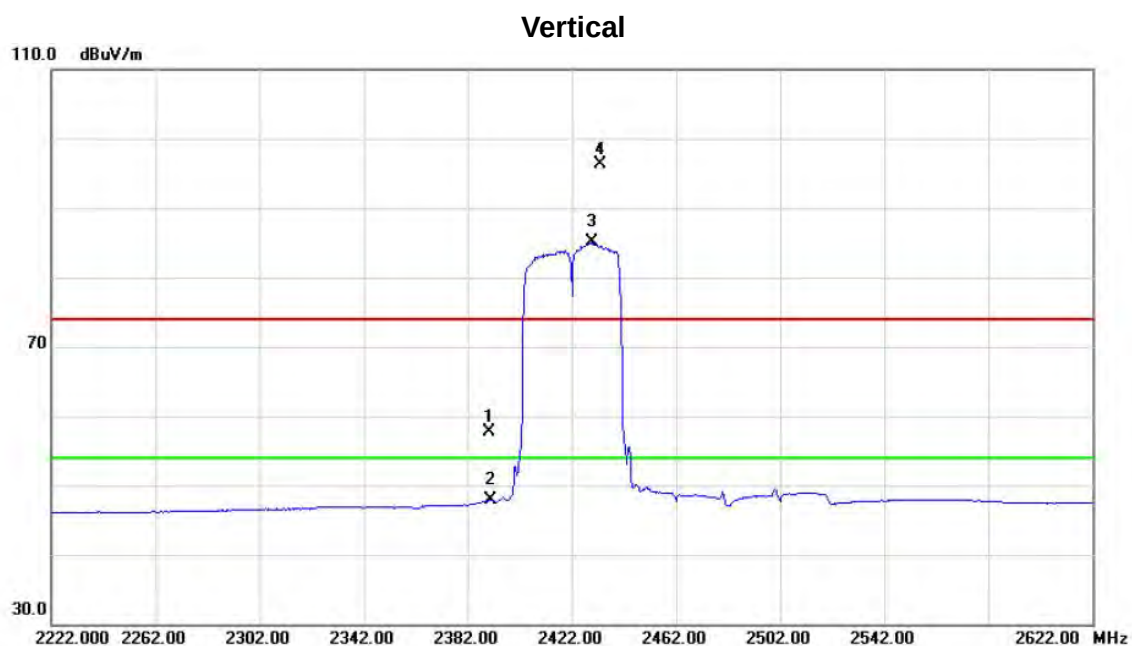
Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz- Internal antenna

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4923.990	29.04	6.14	35.18	54.00	-18.82	AVG	
2		4924.120	38.89	6.14	45.03	74.00	-28.97	peak	

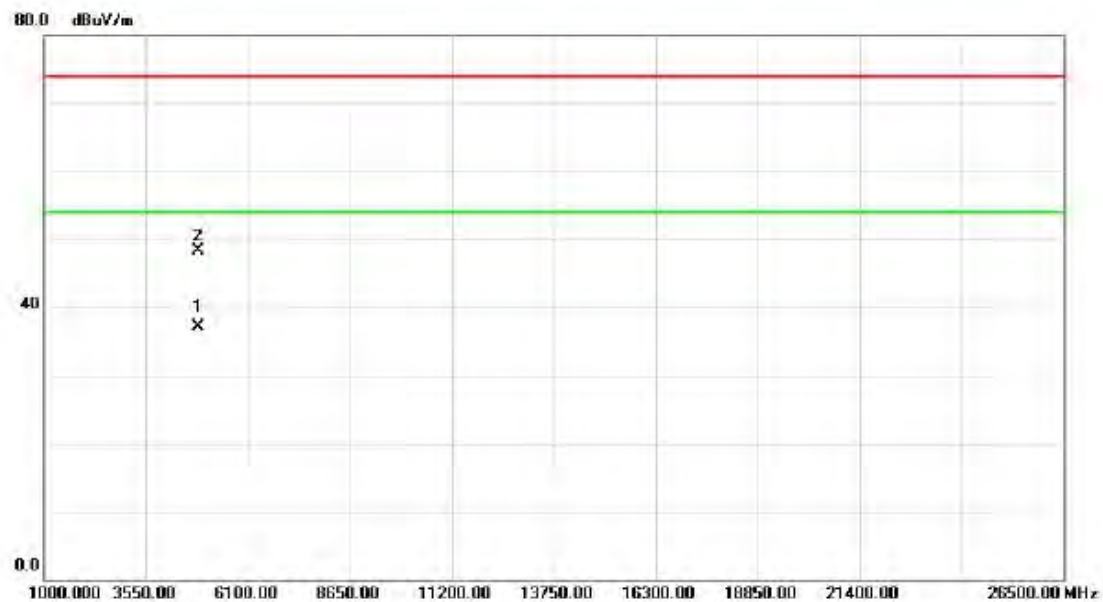
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz- Internal antenna



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	24.95	32.68	57.63	74.00	-16.37	peak	
2		2390.000	15.16	32.68	47.84	54.00	-6.16	AVG	
3	*	2429.600	52.44	32.73	85.17	54.00	31.17	AVG	No Limit
4	X	2432.800	63.63	32.74	96.37	74.00	22.37	peak	No Limit

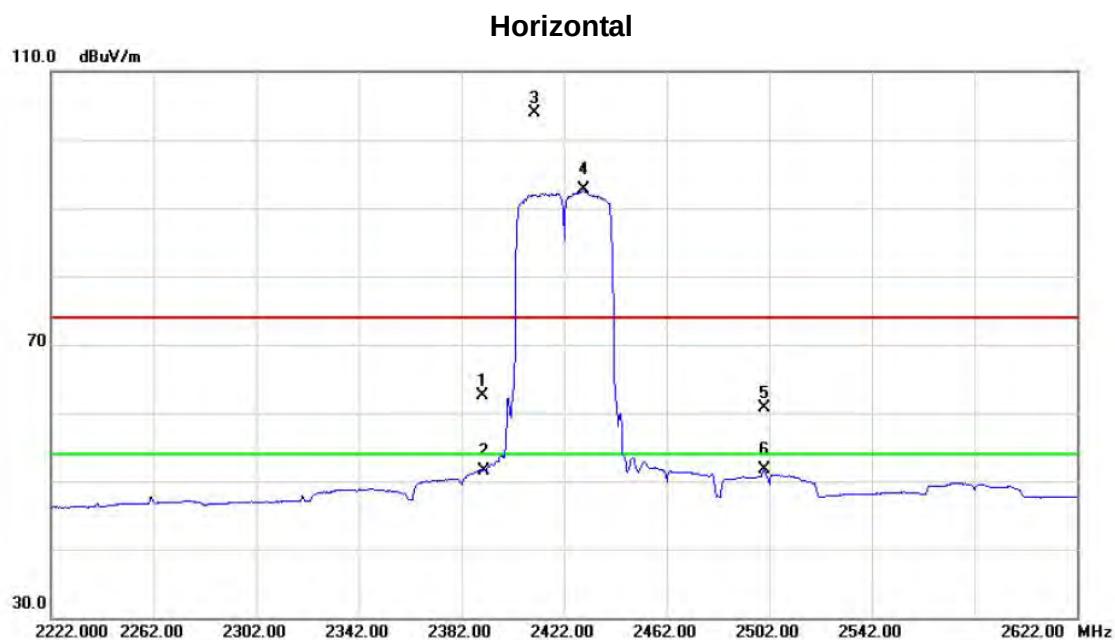
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz- Internal antenna

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4843.970	31.26	5.93	37.19	54.00	-16.81	AVG	
2		4844.100	42.31	5.93	48.24	74.00	-25.76	peak	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz- Internal antenna



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	29.87	32.68	62.55	74.00	-11.45	peak	
2		2390.000	18.92	32.68	51.60	54.00	-2.40	AVG	
3	X	2410.400	71.16	32.71	103.87	74.00	29.87	peak	No Limit
4	*	2429.600	59.89	32.73	92.62	54.00	38.62	AVG	No Limit
5		2500.000	27.90	32.83	60.73	74.00	-13.27	peak	
6		2500.000	18.79	32.83	51.62	54.00	-2.38	AVG	

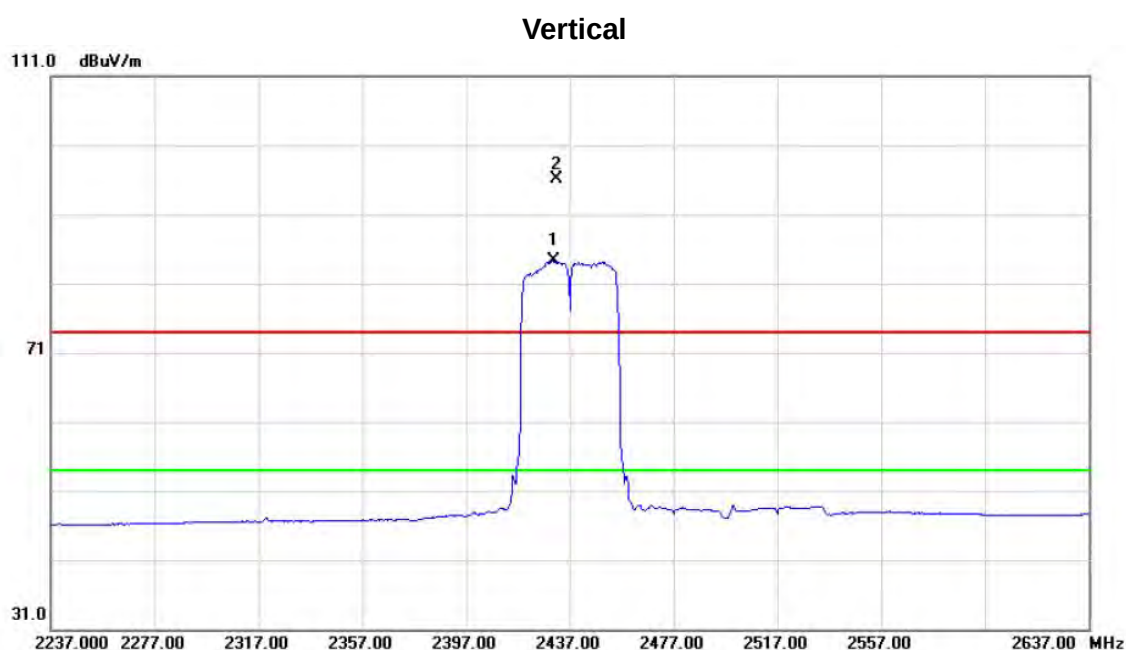
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz- Internal antenna

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4843.940	38.80	5.93	44.73	74.00	-29.27	peak	
2	*	4843.940	29.86	5.93	35.79	54.00	-18.21	AVG	

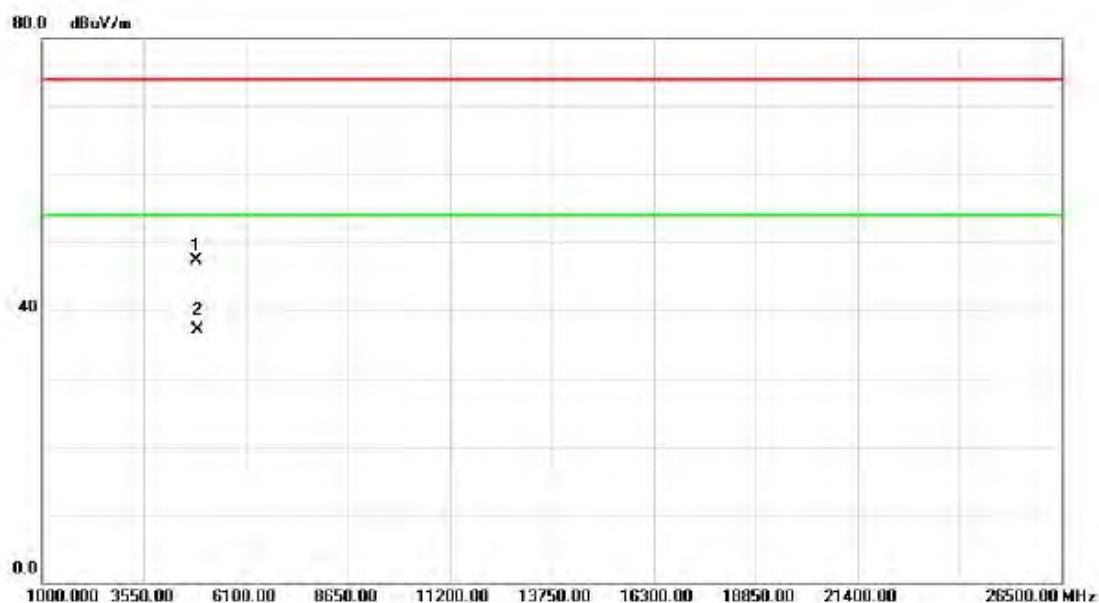
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz- Internal antenna



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2430.600	51.67	32.73	84.40	54.00	30.40	AVG	No Limit
2	X	2431.800	63.43	32.74	96.17	74.00	22.17	peak	No Limit

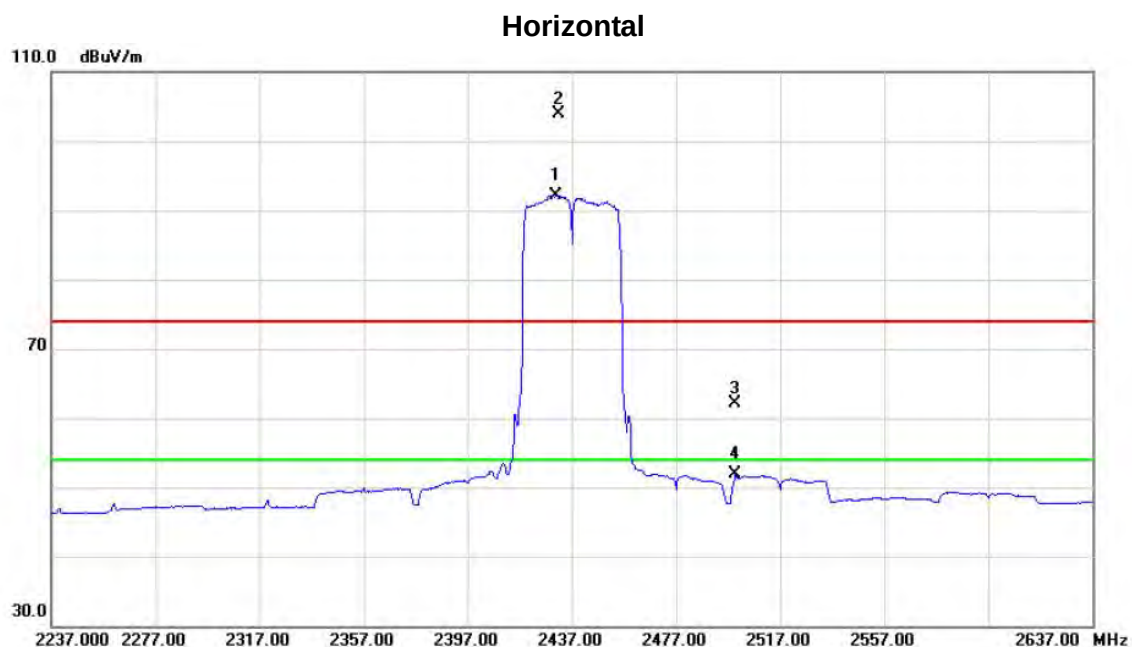
Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz- Internal antenna

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4873.950	41.39	6.01	47.40	74.00	-26.60	peak	
2	*	4873.950	31.06	6.01	37.07	54.00	-16.93	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz- Internal antenna



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2431.000	59.40	32.73	92.13	54.00	38.13	AVG	No Limit
2	X	2431.800	71.26	32.74	104.00	74.00	30.00	peak	No Limit
3		2499.800	29.33	32.83	62.16	74.00	-11.84	peak	
4		2499.800	19.01	32.83	51.84	54.00	-2.16	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz- Internal antenna

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4874.010	29.39	6.01	35.40	54.00	-18.60	AVG	
2		4874.060	39.79	6.01	45.80	74.00	-28.20	peak	