FCC Radio Test Report

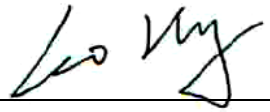
FCC ID: QMPM505NR3

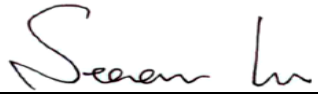
This report concerns (check one): ☒**Original Grant** ☐**Class II Change**

Project No.	:	1405C031
Equipment	:	ADSL2+,Ethernet WAN, Broadband Gateway
Model Name	:	M505N
Applicant	:	DQ Technology,Inc.
Address	:	5111Johnson Drive,Pleasanton, CA94588 , USA

Tested by: BTL Inc. EMC Laboratory
Date of Receipt: May. 08, 2014
Date of Test: May. 08, 2014 ~Jun. 10, 2014
Issued Date: Jun. 11, 2014

Testing Engineer : 
(David Mao)

Technical Manager : 
(Leo Hung)

Authorized Signatory : 
(Steven Lu)

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.

Table of Contents Page

Table of Contents Page

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
NEI-FCCP-1-1405C031	Original Issue.	Jun. 11, 2014

1. CERTIFICATION

Equipment	:	ADSL2+,Ethernet WAN, Broadband Gateway
Brand Name	:	VisionNet
Model Name	:	M505N
Applicant	:	DQ Technology,Inc.
Manufacturer	:	DQ Technology,Inc.
Address	:	5111 Johnson Drive，Pleasanton,CA, USA
Factory	:	1. Shenzhen Gongjin Electronics Co.,Ltd 2. Taicang T&W Electronics.Co.,Ltd
Address	:	1. No 2&3 Buildings, Mingwei Factory Area, Songgang Road West,No. A Building, 1#Songgang Road Songgang Sub-District,Shenzhen,Guangdong,518105,P.R.China 2. Jiangnan Road 89, Ludu Town, Taicang, Suzhou,Jiangsu, 215412,P.R.China
Date of Test	:	May. 08, 2014 ~Jun. 10, 2014
Test Item	:	ENGINEERING SAMPLE
Standard(s)	:	FCC Part15, Subpart C(15.247) / ANSI C63.4-2009

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. EMC Laboratory.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FCCP-1-1405C031) 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			
Standard(s) Section **FCC**	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247(d)	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	6dB Bandwidth	PASS	
15.247(b)(3)	Peak Output Power	PASS	
15.247(e)	Power Spectral Density	PASS	
15.203	Antenna Requirement	PASS	
15.209/15.205	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, Dong Guan, China.523792
BTL's test firm number for FCC: 319330

2.2 MEASUREMENT UNCERTAINTY

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

The reported uncertainty of measurement y ± U，where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2，providing a level of confidence of approximately 95 %。

A. Conducted Measurement :

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

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U，(dB)	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	ADSL2+,Ethernet WAN, Broadband Gateway	
Brand Name	VisionNet	
Model Name	M505N	
Model Difference	N/A	
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.)	802.11b: 20.62dBm 802.11g: 20.70dBm 802.11n(20MHz): 23.93dBm 802.11n(40MHz): 23.91dBm
Power Source	DC voltage supplied from AC/DC adapter. #1 Manufacturer: Shenzhen Gongjin Electronics Co., Ltd. Model: S12B22-120A100-04 #2 Model: RD1201000-C55-1MG	
Power Rating	#1 I/P: AC 100-240V~50/60Hz max 0.5A O/P: DC 12V/1A #2 I/P: AC 100-240V~50/60Hz max 0.6A O/P: DC 12V/1A	
Connecting I/O Port(s)	Please refer to the User's Manual	

Note:

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

2. Channel List:

CH 01 – CH 11 for 802.11b, 802.11g, 802.11n(20MHz) CH 03 – CH 09 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. Table for Filed Antenna

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	Airgain	N2420-Series	Internal	N/A	2
2	Airgain	N2420-Series	Internal	N/A	2

Note:
(1 The EUT incorporates a MIMO function. Physically, the EUT provides two completed two transmitters and two receivers (2T2R).

4.

Operating Mode / TX Mode	1TX	2TX
802.11b	V (ANT 1 or ANT 2)	-
802.11g	V (ANT 1 or ANT 2)	-
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 generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	TX 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.

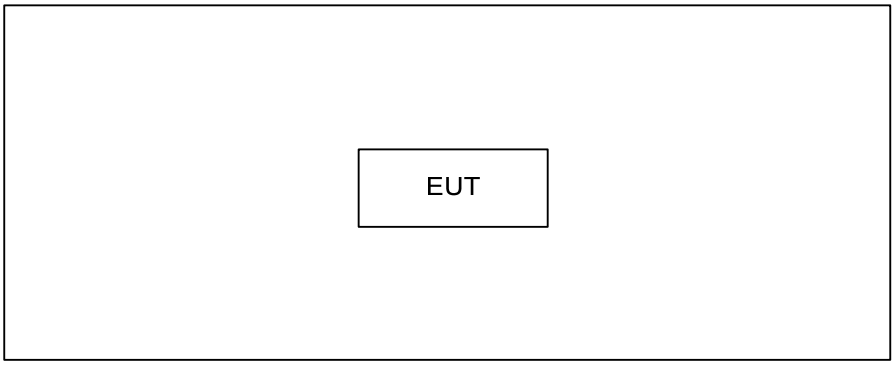
(3) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.

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

Test software version	Duck_1_1-9		
Frequency	**2412 MHz**	**2437 MHz**	**2462 MHz**
IEEE 802.11b DSSS	18	18	17
IEEE 802.11g OFDM	17	17	17
IEEE 802.11n (20MHz)	17	17	17
Frequency	**2422 MHz**	**2437 MHz**	**2452 MHz**
IEEE 802.11n (40MHz)	18	18	15

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

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.

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.

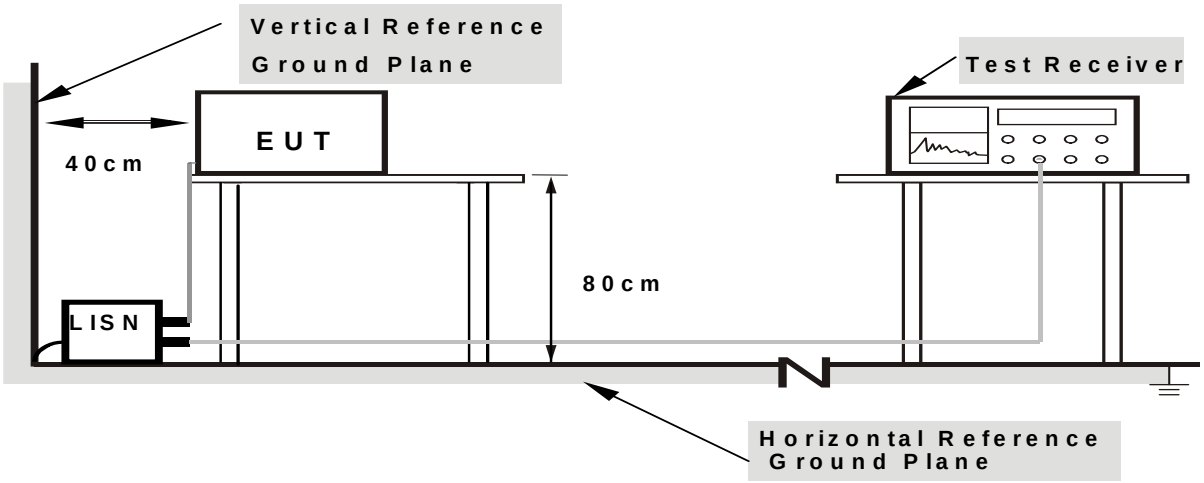
d. LISN at least 80 cm from nearest part of EUT chassis.

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-210 section 2.2& Annex 8 (A8.5), 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.

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

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average

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

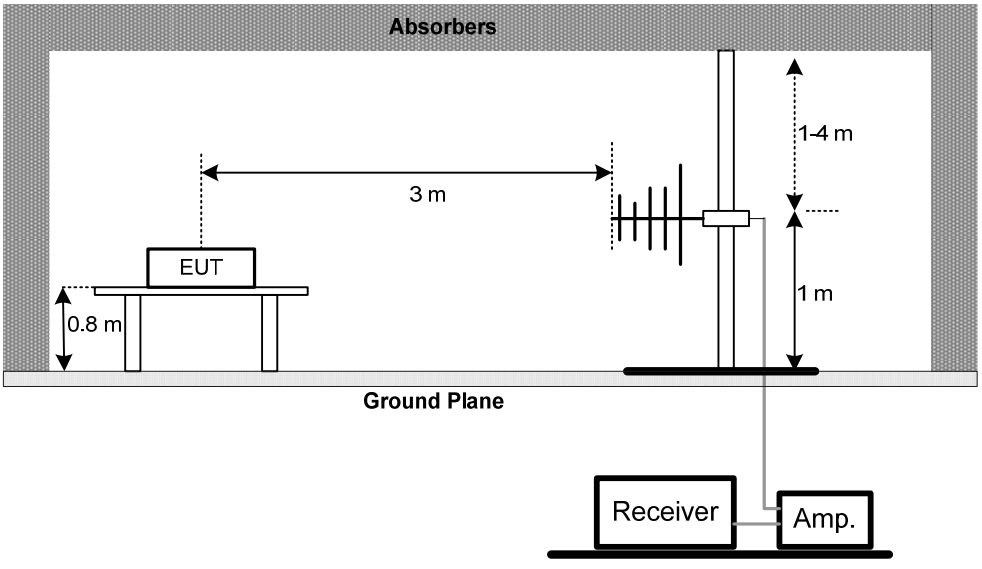
a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a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

4.2.3 DEVIATION FROM TEST STANDARD

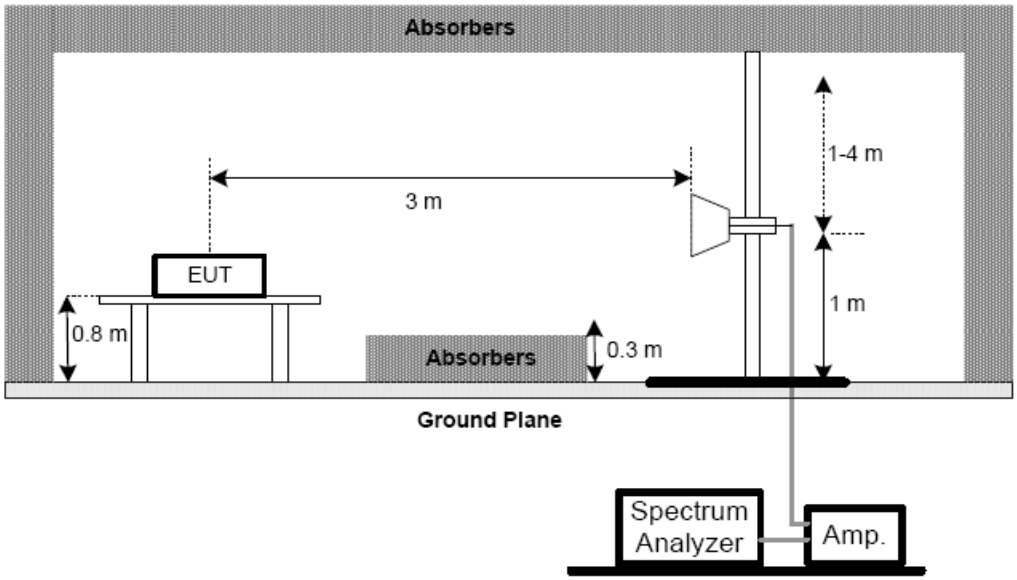
No deviation

4.2.4 TEST SETUP

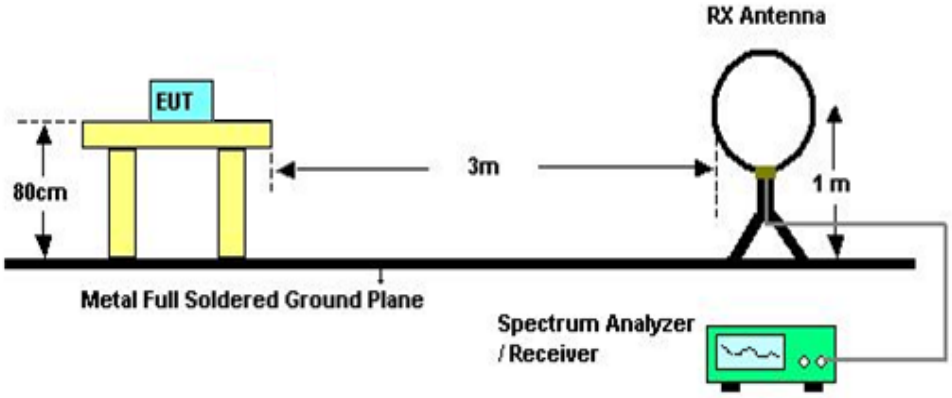
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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 **4.1.6** 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 (specific distance / 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.

5. BANDWIDTH TEST

5.1 Applied procedures

FCC Part15 (15.247) , Subpart C			
Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	2400-2483.5	PASS

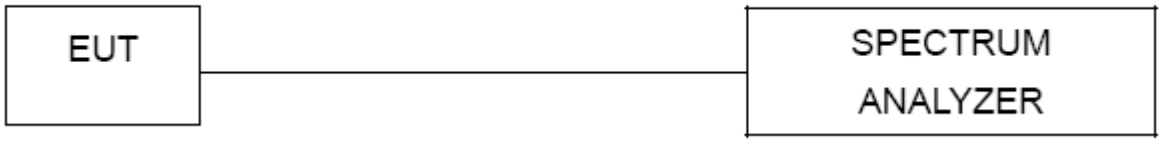
5.1.1 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum 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 4.1.6 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 OUTPUT POWER TEST

6.1 Applied procedures / limit

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

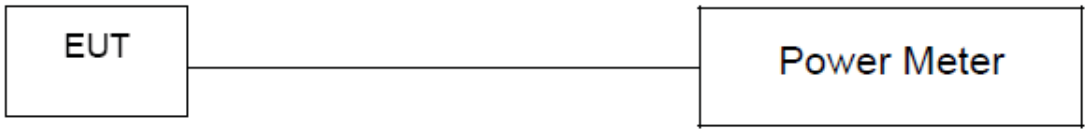
6.1.1 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
b. The maximum peak conducted output power was performed in accordance with method 9.1.3 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 4.1.6 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 intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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 measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

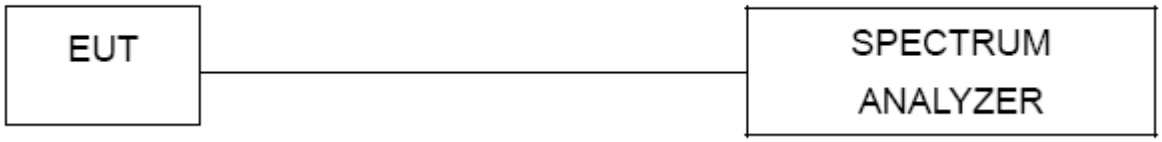
7.1.1 TEST PROCEDURE

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 4.1.6 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				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

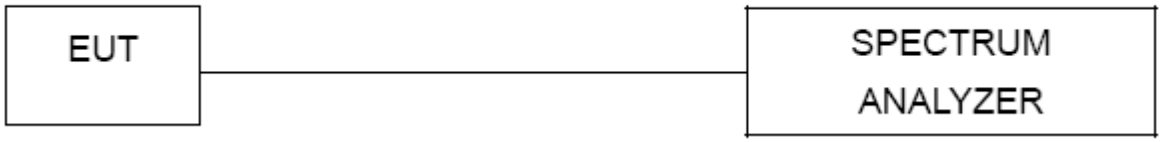
8.1.1 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum 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 4.1.6 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. 29, 2015
2	LISN	R&S	ENV216	101447	Mar. 29, 2015
3	Test Cable	N/A	C_17	N/A	Mar. 14, 2015
4	EMI TEST RECEIVER	R&S	ESCS30	833364/017	Mar. 29, 2015
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Mar. 29, 2015

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	EMCO	3142C	00066462	Mar. 29, 2015
2	Antenna	EMCO	3142C	00066464	Mar. 29, 2015
3	Amplifier	Agilent	8447D	2944A11203	Nov. 11, 2014
4	Amplifier	Agilent	8447D	2944A11204	Nov. 11, 2014
5	Spectrum Analyzer	Agilent	E4443A	MY48250370	Nov. 11, 2014
6	RF Pre-selector	Agilent	N9039A	MY46520201	Nov. 11, 2014
7	Test Cable	N/A	Cable_5m_8m_15m	N/A	Jan. 14, 2015
8	Test Cable	N/A	Cable_5m_11m_15m	N/A	Jan. 14, 2015
9	Spectrum Analyzer	Agilent	E4447A	MY48250208	Nov. 11, 2014
10	RF Pre-selector	Agilent	N9039A	MY46520214	Nov. 11, 2014
11	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A
12	Horn Antenna	EMCO	3115	9605-4803	Mar. 29, 2015
13	Amplifier	Agilent	8449B	3008A02584	Nov. 11, 2014
14	Spectrum Analyzer	Agilent	E4447A	MY48250208	Nov. 11, 2014
15	Test Cable	Huber+Suhner	SUCOFLEX_15m_4m	N/A	Jan. 14, 2015
16	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Feb. 22, 2015
17	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Mar. 29, 2015

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 11, 2014

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Apr. 24, 2015
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Apr. 24, 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. 11, 2014

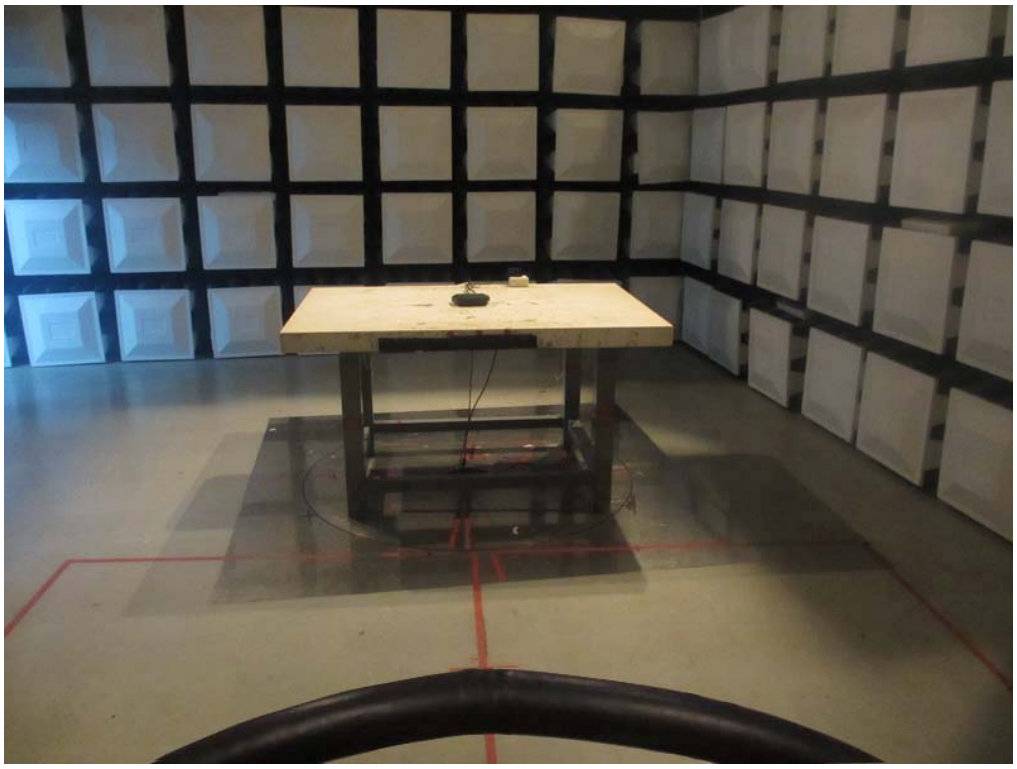
Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 11, 2014

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

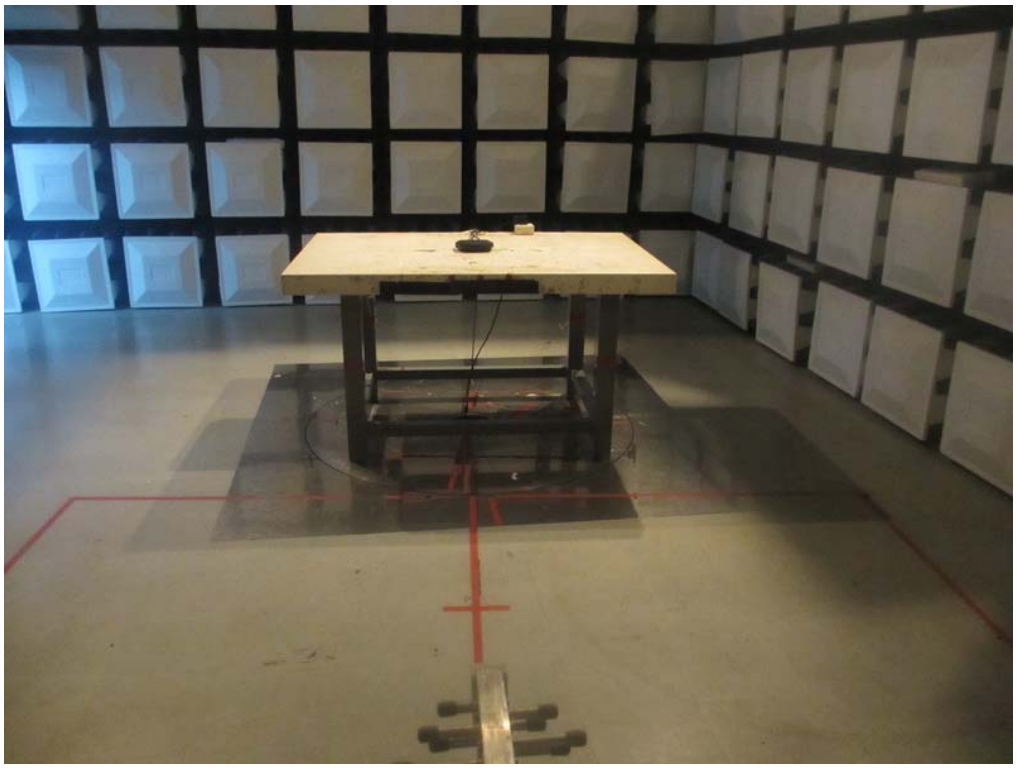
10. EUT TEST PHOTO

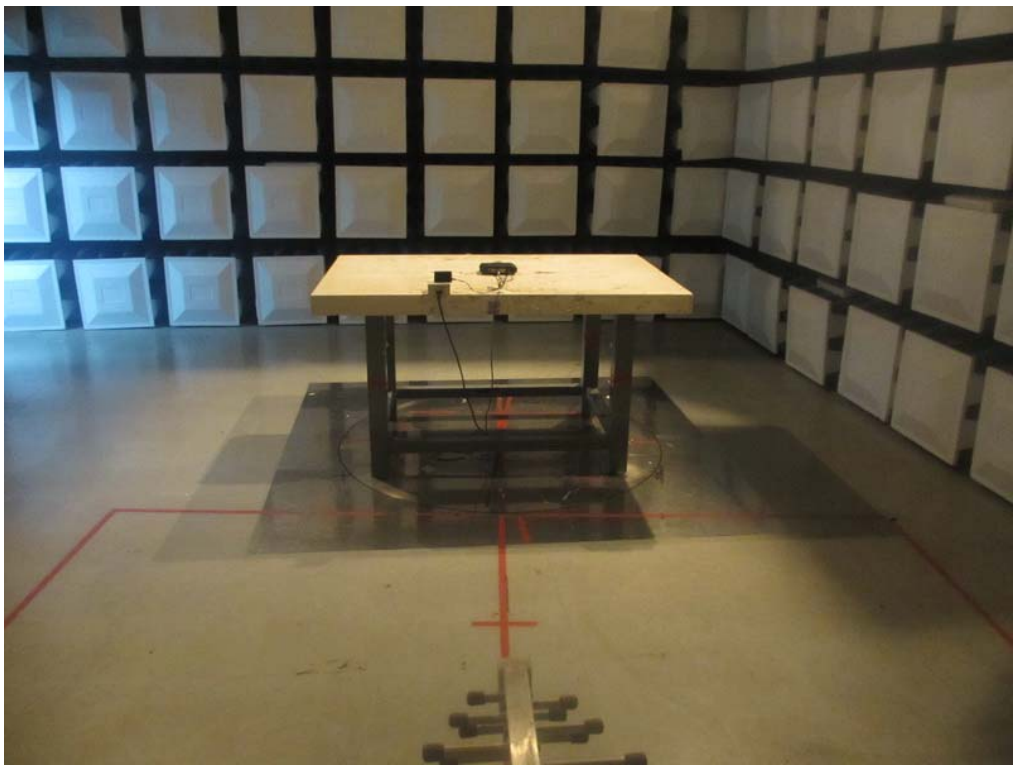
Conducted Measurement Photos

Radiated Measurement Photos
9KHz to 30MHz



Radiated Measurement Photos
30MHz to 1000MHz



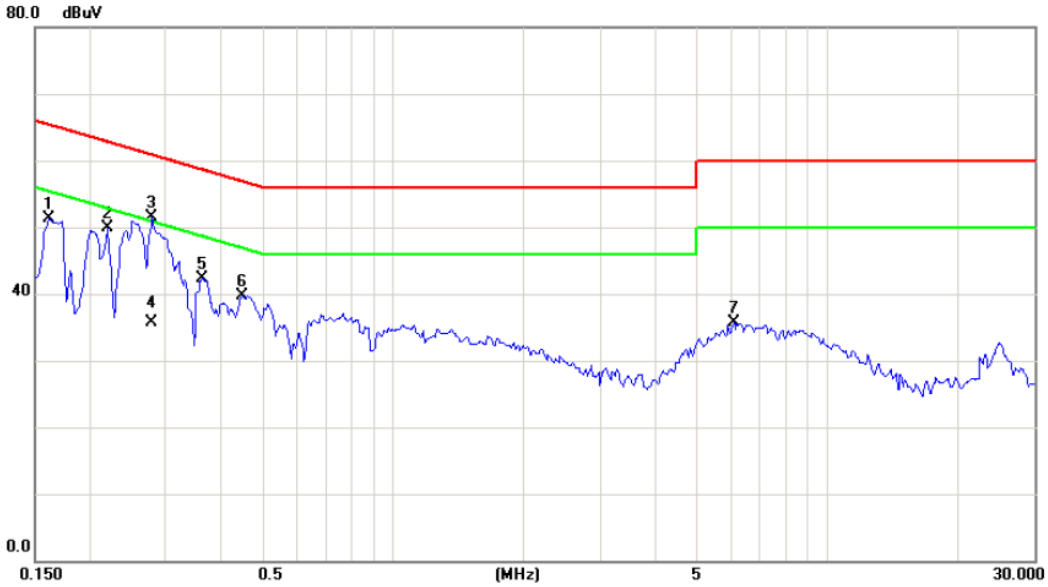


Radiated Measurement Photos
Above 1000MHz

ATTACHMENT A - CONDUCTED EMISSION

Test Mode :	TX MODE_ Adapter: S12B22-120A100-04

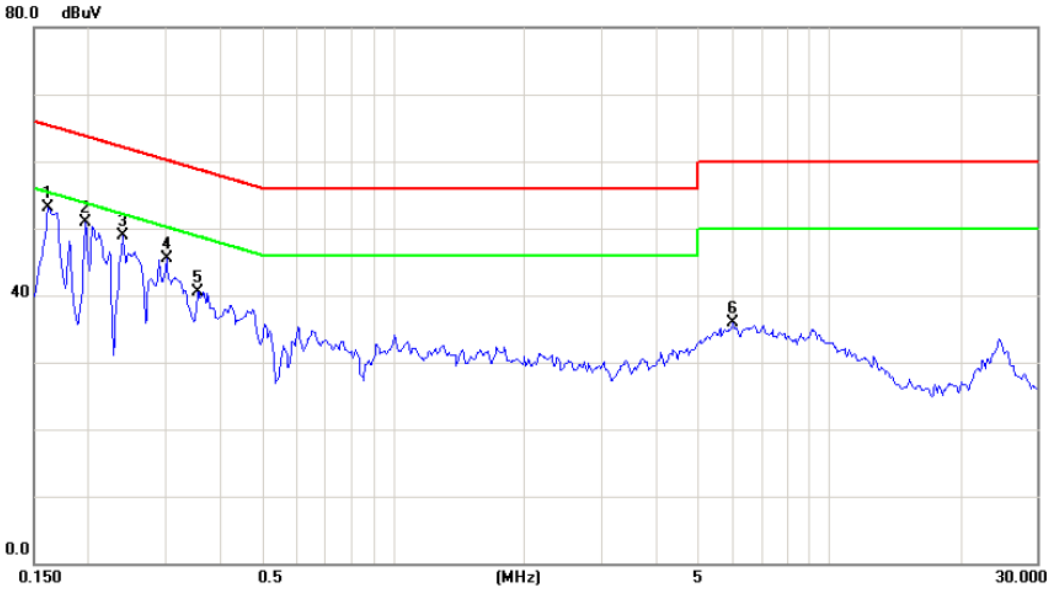
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1617	41.67	9.63	51.30	65.38	-14.08	peak	
2		0.2203	40.32	9.65	49.97	62.81	-12.84	peak	
3	*	0.2790	41.88	9.67	51.55	60.85	-9.30	peak	
4		0.2790	26.10	9.67	35.77	50.85	-15.08	AVG	
5		0.3648	32.60	9.68	42.28	58.62	-16.34	peak	
6		0.4508	30.08	9.70	39.78	56.86	-17.08	peak	
7		6.1133	25.67	9.95	35.62	60.00	-24.38	peak	

Test Mode :	TX MODE_ Adapter: S12B22-120A100-04

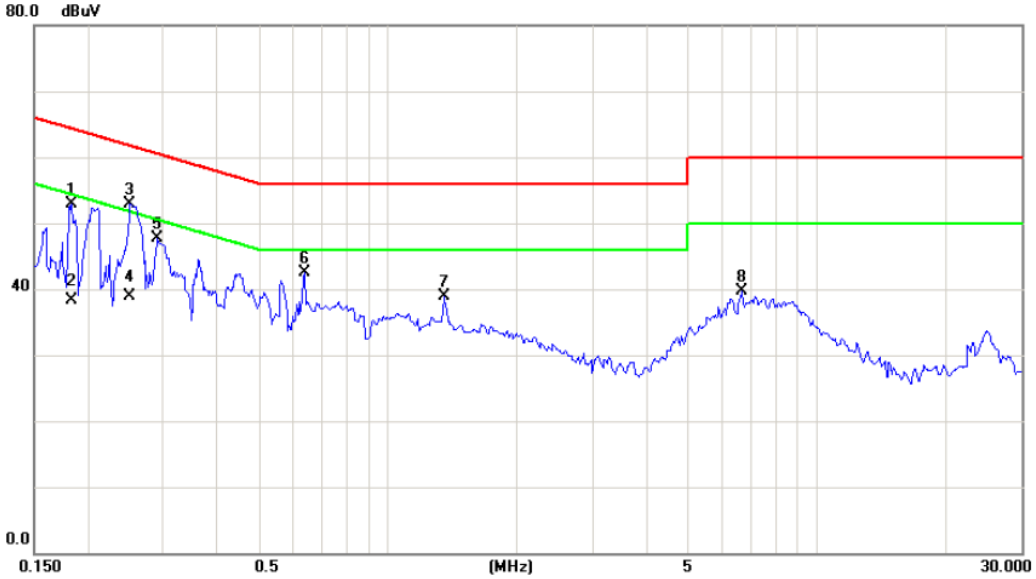
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1617	43.33	9.70	53.03	65.38	-12.35	peak	
2		0.1970	41.27	9.71	50.98	63.74	-12.76	peak	
3		0.2398	39.11	9.71	48.82	62.10	-13.28	peak	
4		0.3023	35.75	9.72	45.47	60.18	-14.71	peak	
5		0.3570	30.85	9.73	40.58	58.80	-18.22	peak	
6		6.0391	25.93	9.99	35.92	60.00	-24.08	peak	

Test Mode :	TX MODE_ Adapter: RD1201000-C55-1MG

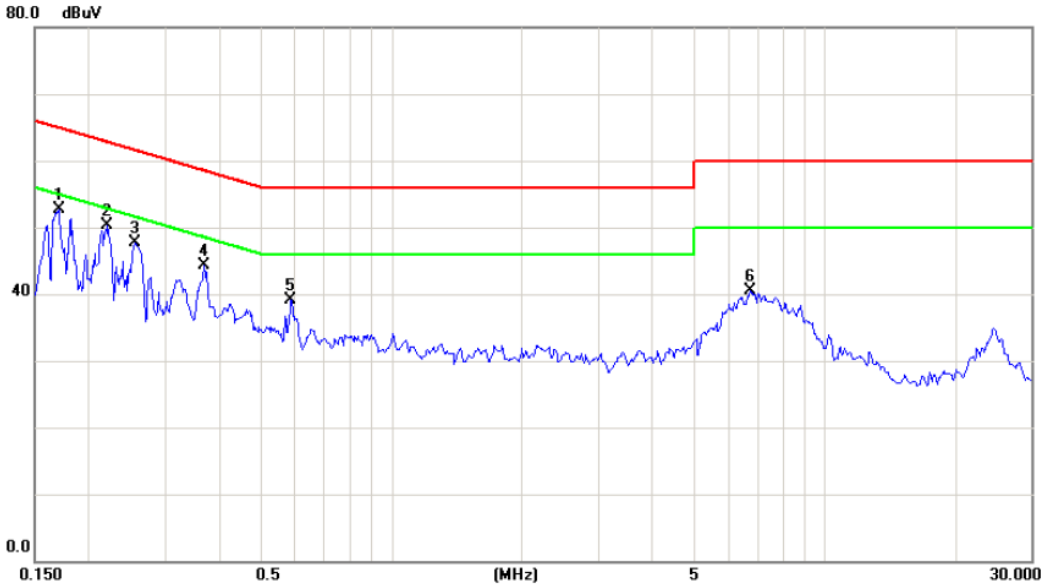
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1833	43.17	9.65	52.82	64.33	-11.51	peak	
2		0.1833	28.60	9.65	38.25	54.33	-16.08	AVG	
3	*	0.2515	43.24	9.66	52.90	61.71	-8.81	peak	
4		0.2515	29.30	9.66	38.96	51.71	-12.75	AVG	
5		0.2906	38.00	9.67	47.67	60.51	-12.84	peak	
6		0.6421	32.77	9.72	42.49	56.00	-13.51	peak	
7		1.3521	29.11	9.78	38.89	56.00	-17.11	peak	
8		6.6952	29.66	9.97	39.63	60.00	-20.37	peak	

Test Mode :	TX MODE_ Adapter: RD1201000-C55-1MG

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1703	42.91	9.70	52.61	64.95	-12.34	peak	
2		0.2207	40.64	9.71	50.35	62.79	-12.44	peak	
3		0.2560	38.03	9.72	47.75	61.56	-13.81	peak	
4		0.3691	34.61	9.73	44.34	58.52	-14.18	peak	
5		0.5875	29.33	9.74	39.07	56.00	-16.93	peak	
6		6.7540	30.50	10.01	40.51	60.00	-19.49	peak	

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

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°	68.74	24.30	93.04	128.18	-35.14	AVG
0.0094	0°	74.35	24.30	98.65	148.18	-49.53	PEAK
0.0152	0°	71.38	24.30	95.68	123.97	-28.29	AVG
0.0152	0°	80.26	24.30	104.56	143.97	-39.41	PEAK
0.0267	0°	54.16	23.88	78.04	119.07	-41.04	AVG
0.0267	0°	60.72	23.88	84.60	139.07	-54.48	PEAK
0.0358	0°	60.54	23.30	83.84	116.53	-32.69	AVG
0.0358	0°	65.78	23.30	89.08	136.53	-47.45	PEAK
0.5780	0°	19.32	20.05	39.37	72.37	-33.00	QP
1.7536	0°	18.82	19.52	38.34	69.54	-31.20	QP

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0096	90°	74.35	24.30	98.65	127.99	-29.34	AVG
0.0096	90°	82.76	24.30	107.06	147.99	-40.93	PEAK
0.0253	90°	54.18	23.96	78.14	119.54	-41.40	AVG
0.0253	90°	59.65	23.96	83.61	139.54	-55.93	PEAK
0.0348	90°	54.75	23.36	78.11	116.77	-38.66	AVG
0.0348	90°	58.85	23.36	82.21	136.77	-54.56	PEAK
0.0437	90°	57.45	22.80	80.25	114.79	-34.55	AVG
0.0437	90°	66.75	22.80	89.55	134.79	-45.25	PEAK
0.4972	90°	18.75	19.81	38.56	73.67	-35.12	QP
1.7246	90°	18.63	19.53	38.16	69.54	-31.38	QP

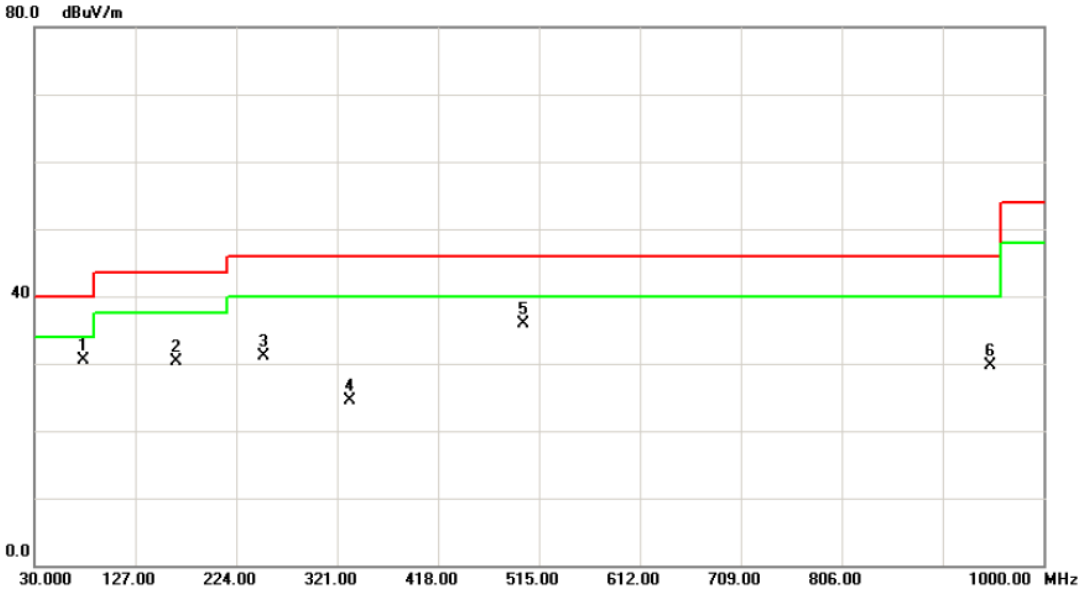
Remark:

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

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

Test Mode:	TX B MODE CHANNEL 01

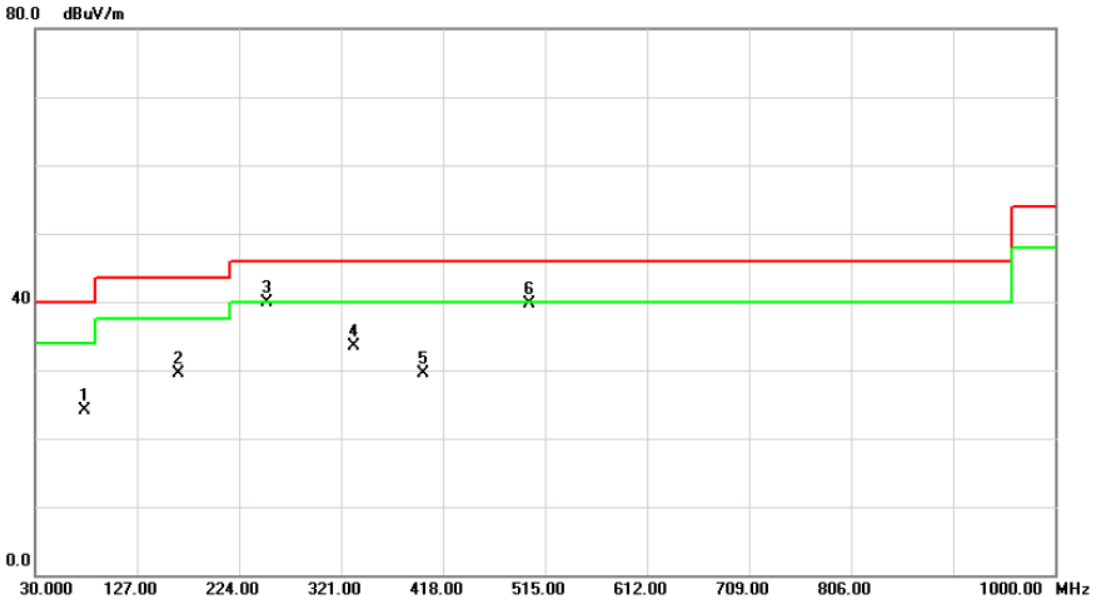
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	77.5300	47.57	-17.05	30.52	40.00	-9.48	peak	
2		166.7700	43.44	-13.12	30.32	43.50	-13.18	peak	
3		250.1900	45.29	-14.20	31.09	46.00	-14.91	peak	
4		333.6100	36.00	-11.57	24.43	46.00	-21.57	peak	
5		500.4500	46.38	-10.52	35.86	46.00	-10.14	peak	
6		948.5900	30.02	-0.34	29.68	46.00	-16.32	peak	

Test Mode:	TX B MODE CHANNEL 01

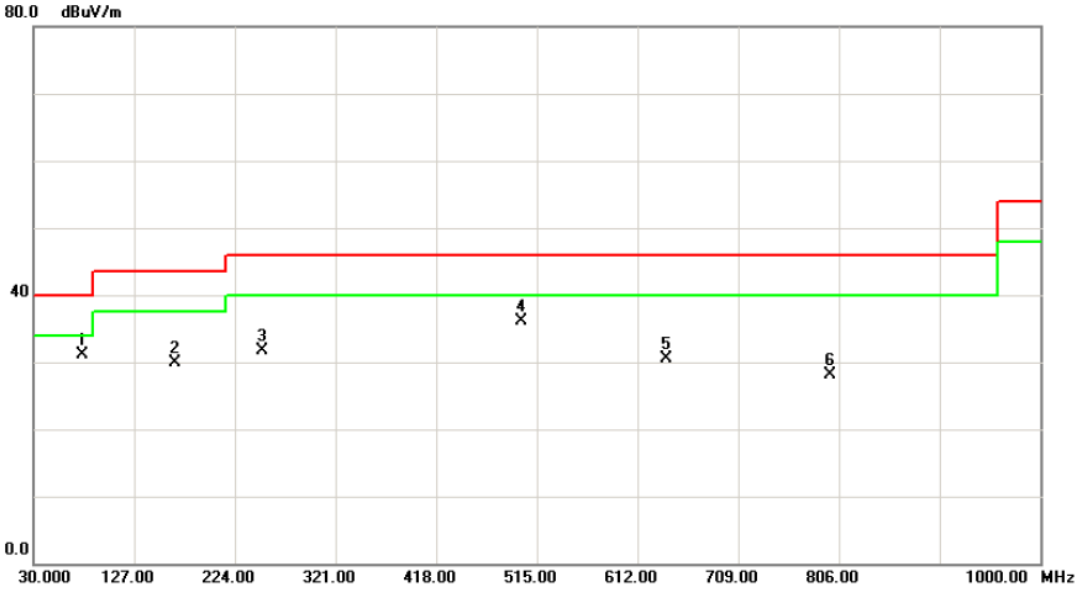
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		77.5300	41.16	-17.05	24.11	40.00	-15.89	peak	
2		166.7700	42.60	-13.12	29.48	43.50	-14.02	peak	
3	*	250.1900	54.03	-14.20	39.83	46.00	-6.17	peak	
4		333.6100	45.14	-11.57	33.57	46.00	-12.43	peak	
5		399.5700	39.29	-9.70	29.59	46.00	-16.41	peak	
6		500.4500	50.23	-10.52	39.71	46.00	-6.29	peak	

Test Mode:	TX B MODE CHANNEL 06

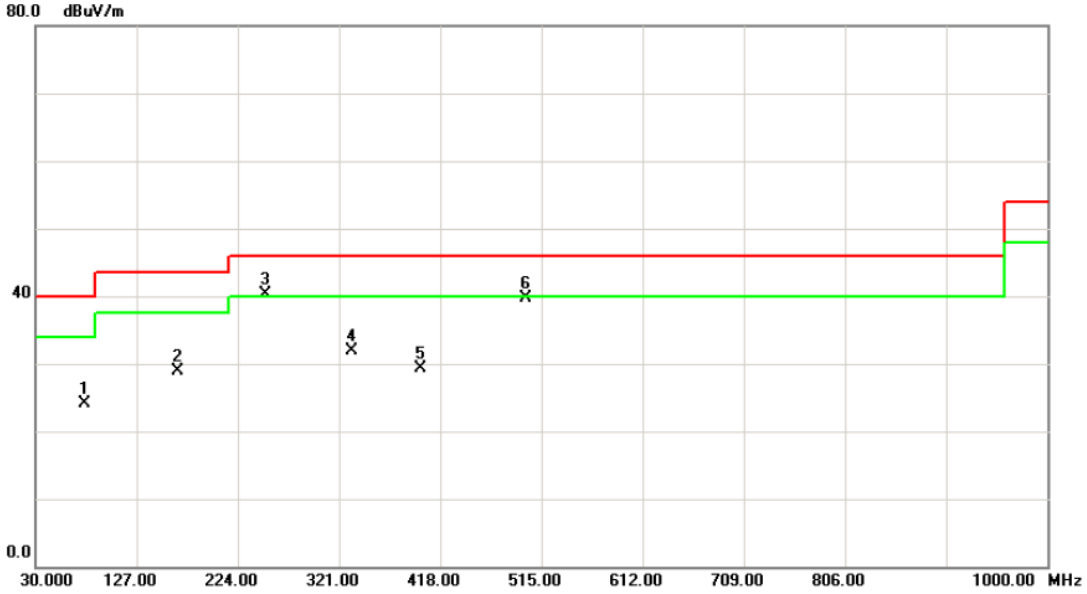
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	77.5300	48.12	-17.05	31.07	40.00	-8.93	peak	
2		166.7700	43.04	-13.12	29.92	43.50	-13.58	peak	
3		250.1900	46.00	-14.20	31.80	46.00	-14.20	peak	
4		500.4500	46.56	-10.52	36.04	46.00	-9.96	peak	
5		640.1300	36.18	-5.76	30.42	46.00	-15.58	peak	
6		797.2700	31.11	-3.01	28.10	46.00	-17.90	peak	

Test Mode:	TX B MODE CHANNEL 06

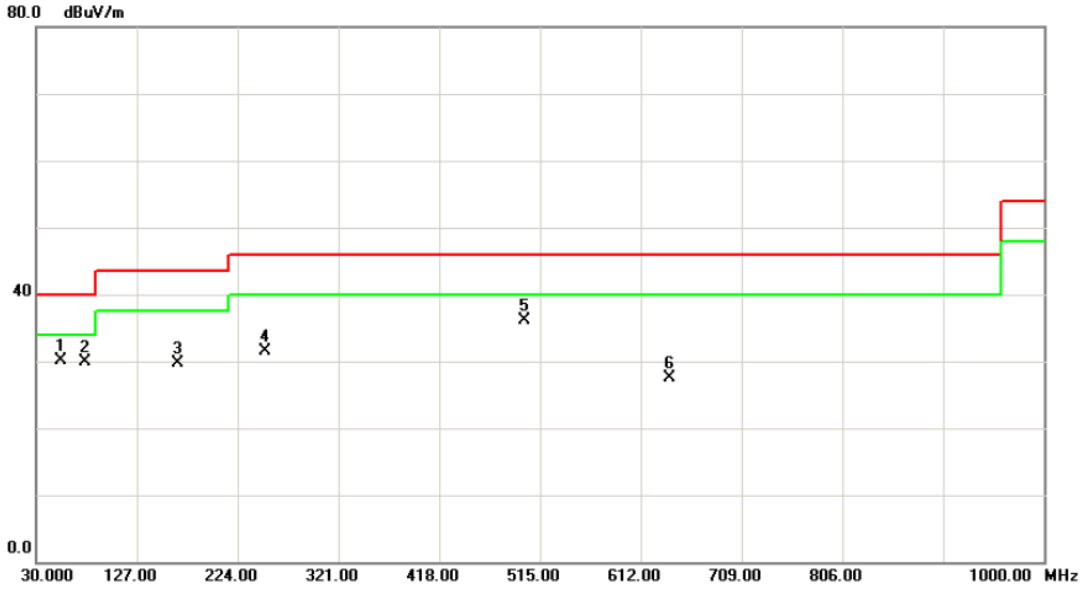
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		77.5300	41.10	-17.05	24.05	40.00	-15.95	peak	
2		166.7700	42.10	-13.12	28.98	43.50	-14.52	peak	
3	*	250.1900	54.51	-14.20	40.31	46.00	-5.69	peak	
4		333.6100	43.53	-11.57	31.96	46.00	-14.04	peak	
5		399.5700	39.07	-9.70	29.37	46.00	-16.63	peak	
6		500.4500	50.28	-10.52	39.76	46.00	-6.24	peak	

Test Mode:	TX B MODE CHANNEL 11

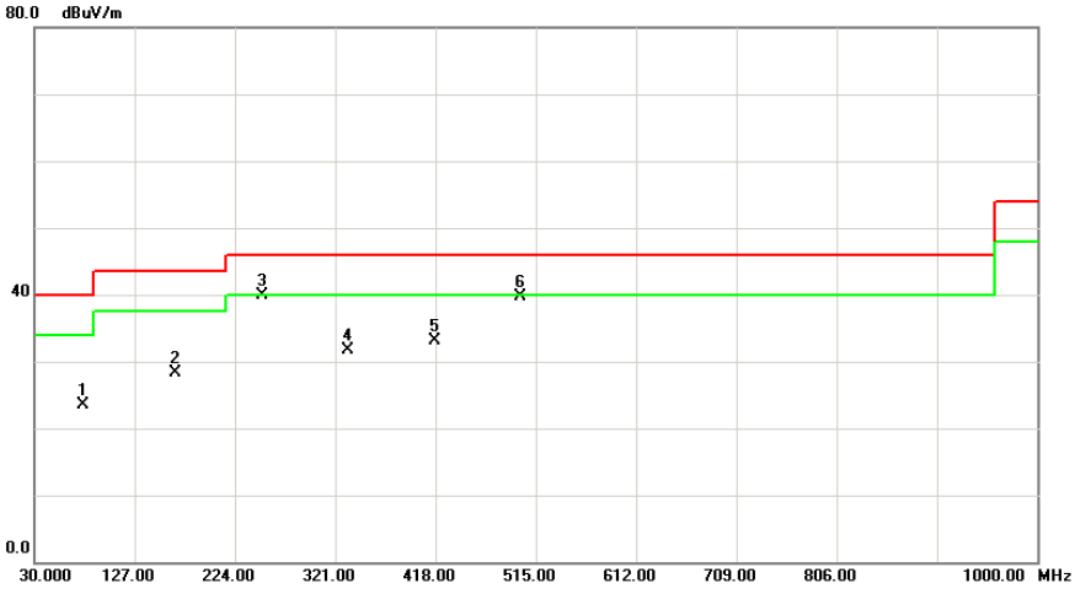
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		54.2500	44.56	-14.51	30.05	40.00	-9.95	peak	
2		77.5300	47.01	-17.05	29.96	40.00	-10.04	peak	
3		166.7700	42.82	-13.12	29.70	43.50	-13.80	peak	
4		250.1900	45.73	-14.20	31.53	46.00	-14.47	peak	
5	*	500.4500	46.59	-10.52	36.07	46.00	-9.93	peak	
6		640.1300	33.34	-5.76	27.58	46.00	-18.42	peak	

Test Mode:	TX B MODE CHANNEL 11

Horizontal

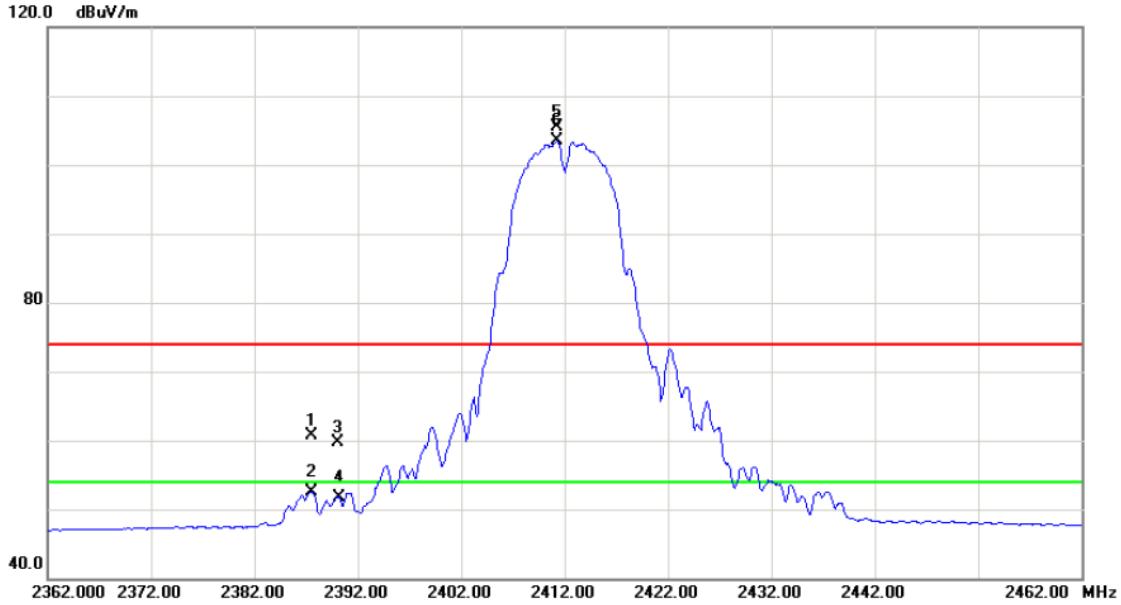


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		77.5300	40.57	-17.05	23.52	40.00	-16.48	peak	
2		166.7700	41.43	-13.12	28.31	43.50	-15.19	peak	
3	*	250.1900	54.04	-14.20	39.84	46.00	-6.16	peak	
4		333.6100	43.24	-11.57	31.67	46.00	-14.33	peak	
5		417.0300	42.49	-9.33	33.16	46.00	-12.84	peak	
6		500.4500	50.29	-10.52	39.77	46.00	-6.23	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

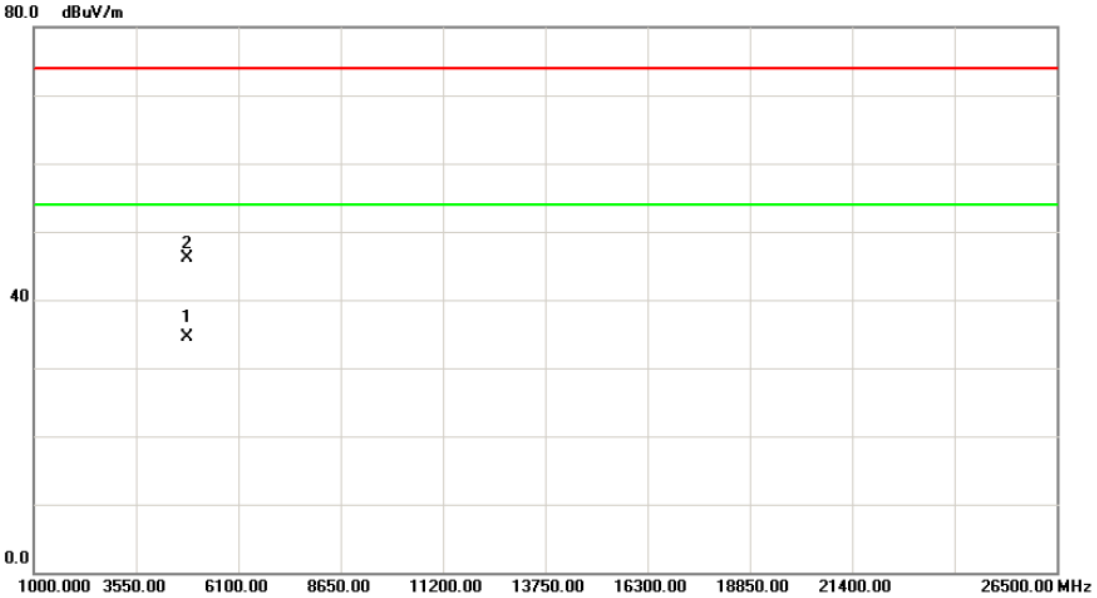
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2387.500	27.41	33.38	60.79	74.00	-13.21	peak	
2		2387.500	19.10	33.38	52.48	54.00	-1.52	AVG	
3		2390.000	26.25	33.38	59.63	74.00	-14.37	peak	
4		2390.000	18.37	33.38	51.75	54.00	-2.25	AVG	
5	X	2411.200	72.02	33.44	105.46	74.00	31.46	peak	Fundamental frequency, no limit
6	*	2411.200	69.99	33.44	103.43	54.00	49.43	AVG	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

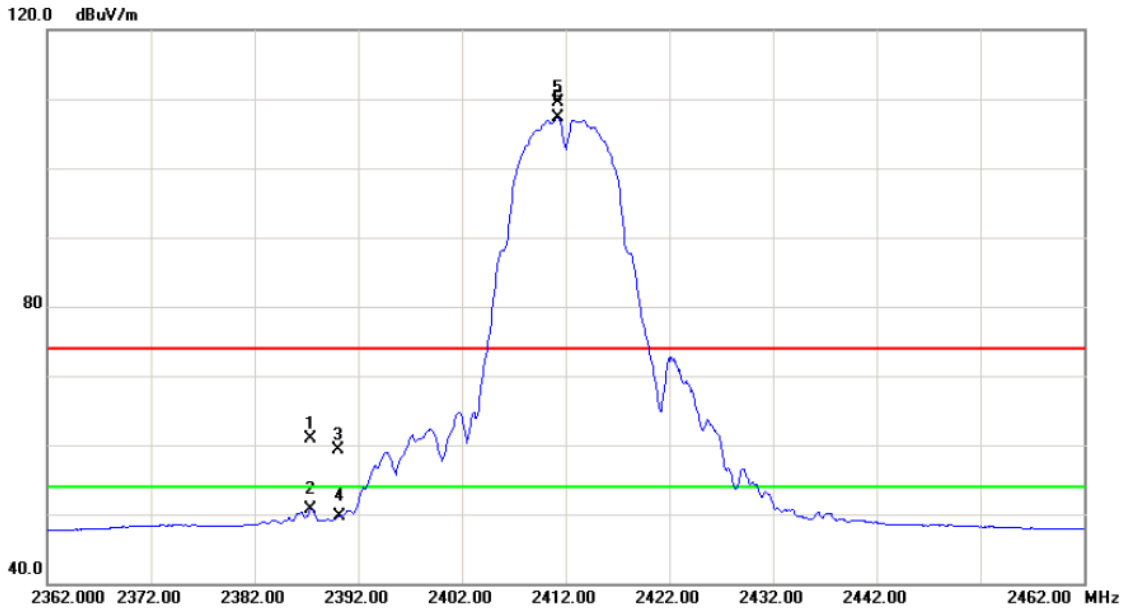
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4824.000	28.07	6.44	34.51	54.00	-19.49	AVG	
2		4824.490	39.73	6.44	46.17	74.00	-27.83	peak	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

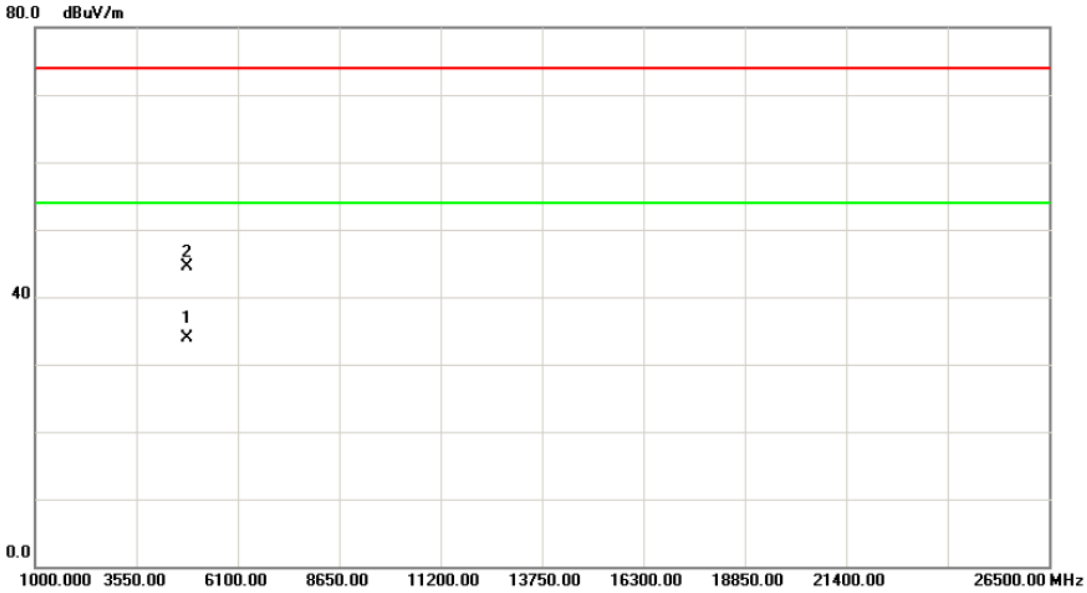
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2387.400	27.60	33.38	60.98	74.00	-13.02	peak	
2		2387.400	17.24	33.38	50.62	54.00	-3.38	AVG	
3		2390.000	25.86	33.38	59.24	74.00	-14.76	peak	
4		2390.000	16.29	33.38	49.67	54.00	-4.33	AVG	
5	X	2411.200	76.01	33.44	109.45	74.00	35.45	peak	Fundamental frequency, no limit
6	*	2411.200	73.90	33.44	107.34	54.00	53.34	AVG	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

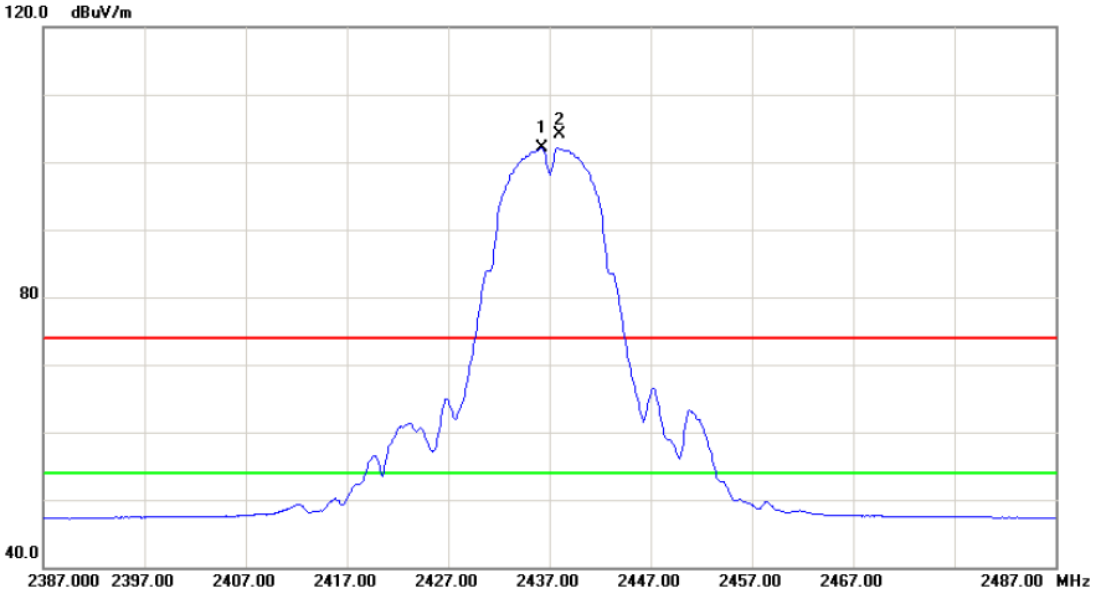
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4823.990	27.38	6.44	33.82	54.00	-20.18	AVG	
2		4824.010	37.97	6.44	44.41	74.00	-29.59	peak	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

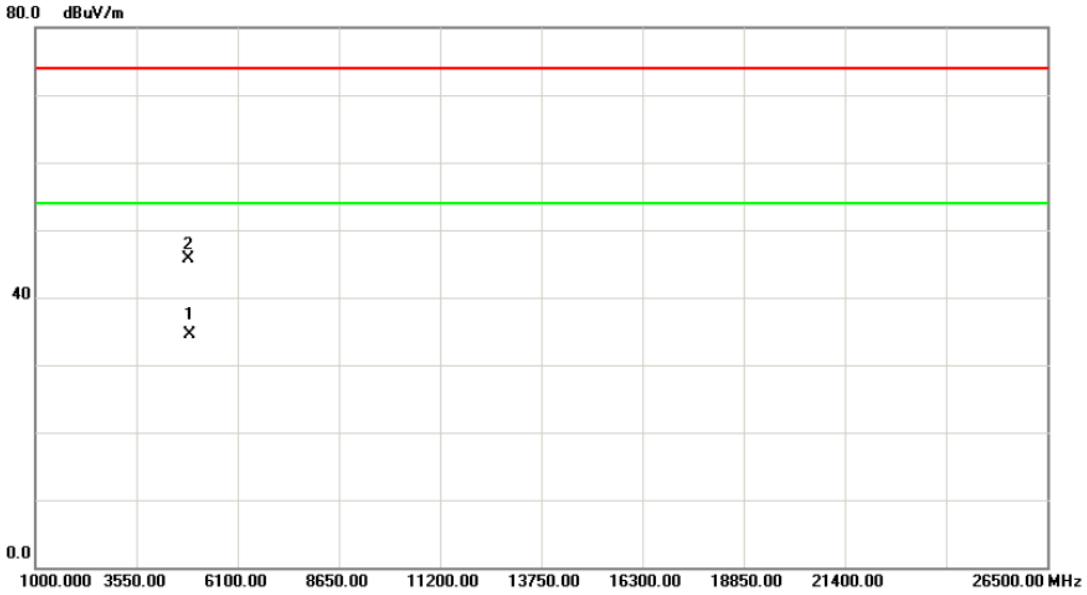
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2436.200	68.62	33.50	102.12	54.00	48.12	AVG	Fundamental frequency, no limit
2	X	2438.000	70.69	33.50	104.19	74.00	30.19	peak	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

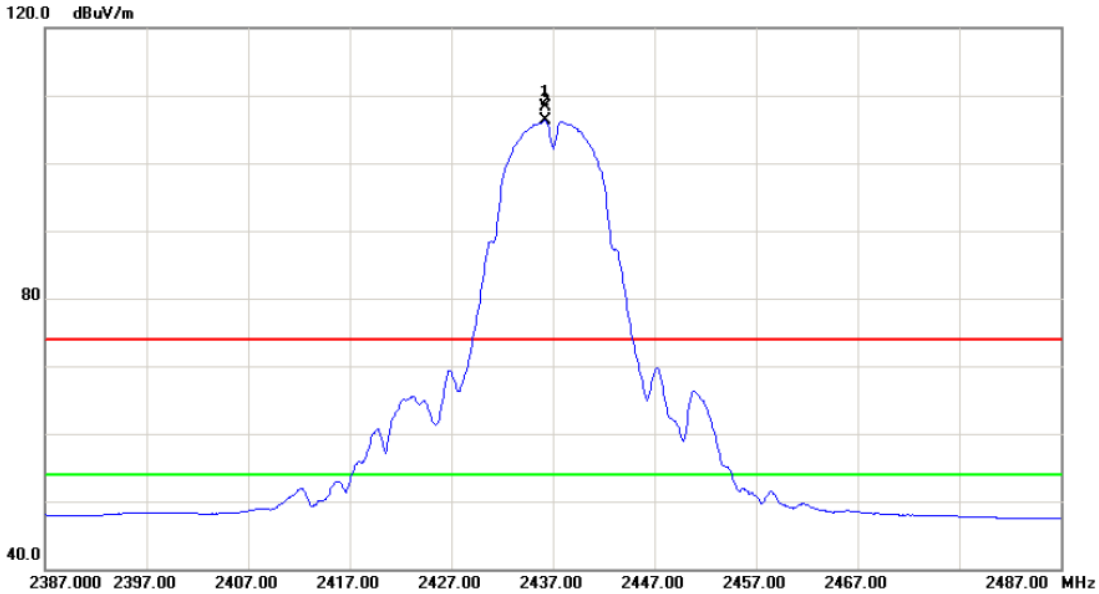
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4873.920	27.88	6.55	34.43	54.00	-19.57	AVG	
2		4874.090	39.17	6.55	45.72	74.00	-28.28	peak	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

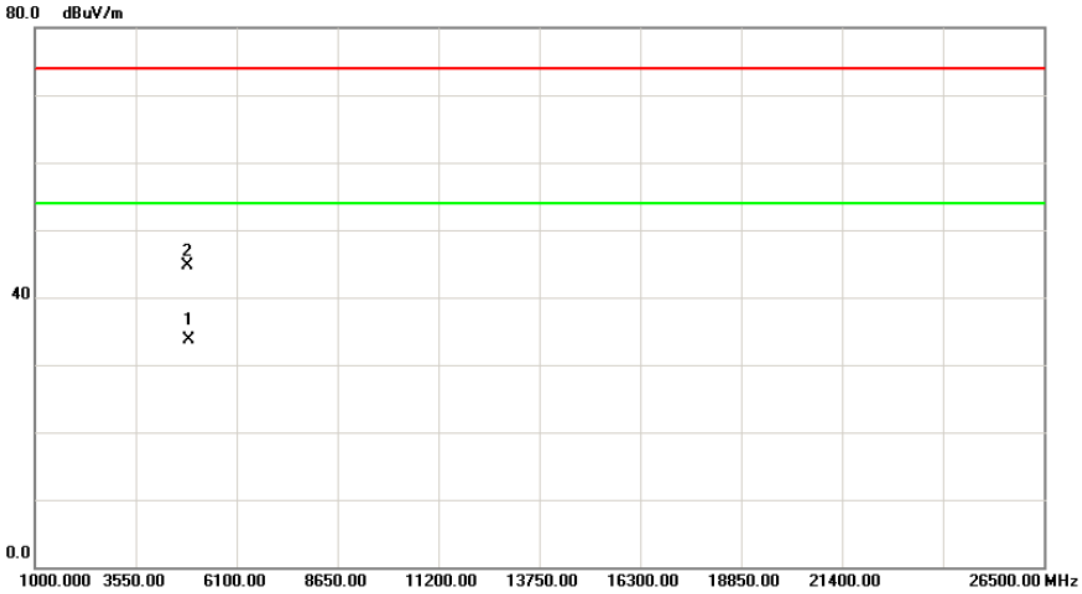
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2436.200	74.81	33.50	108.31	74.00	34.31	peak	Fundamental frequency, no limit
2	*	2436.200	72.84	33.50	106.34	54.00	52.34	AVG	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

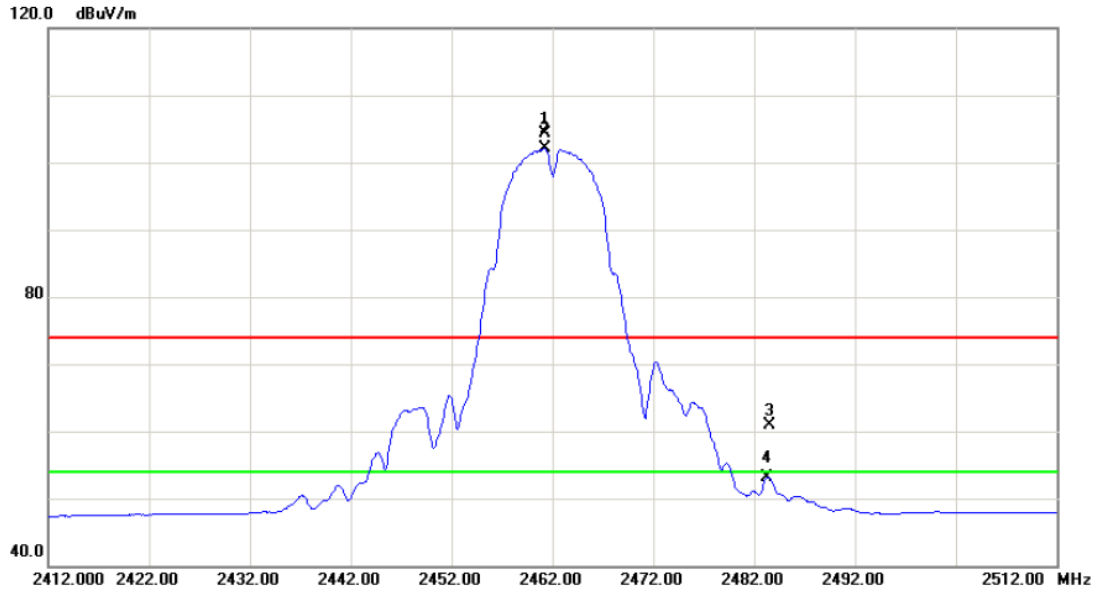
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4873.900	27.25	6.55	33.80	54.00	-20.20	AVG	
2		4874.000	38.12	6.55	44.67	74.00	-29.33	peak	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

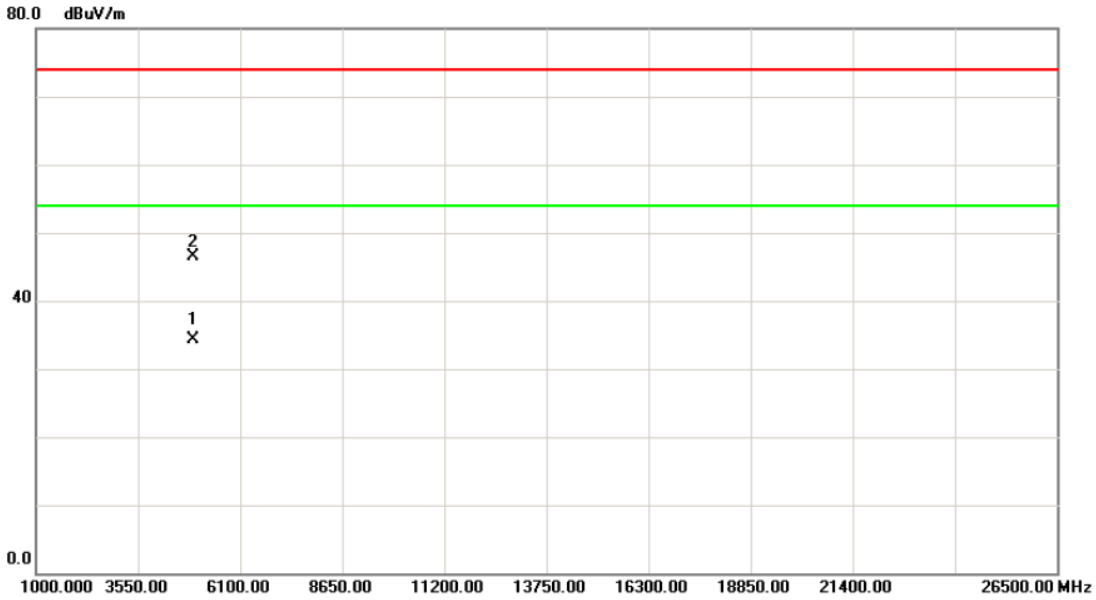
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2461.200	70.66	33.56	104.22	74.00	30.22	peak	Fundamental frequency, no limit
2	*	2461.200	68.63	33.56	102.19	54.00	48.19	AVG	Fundamental frequency, no limit
3		2483.500	27.27	33.62	60.89	74.00	-13.11	peak	
4		2483.500	19.39	33.62	53.01	54.00	-0.99	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

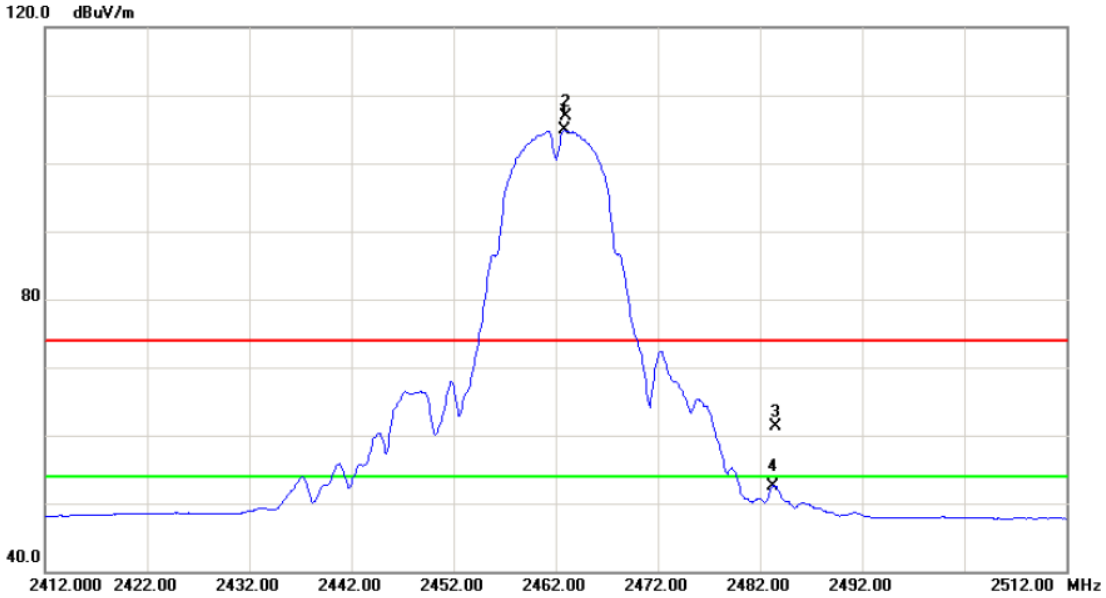
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4924.100	27.65	6.66	34.31	54.00	-19.69	AVG	
2		4924.230	39.81	6.66	46.47	74.00	-27.53	peak	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

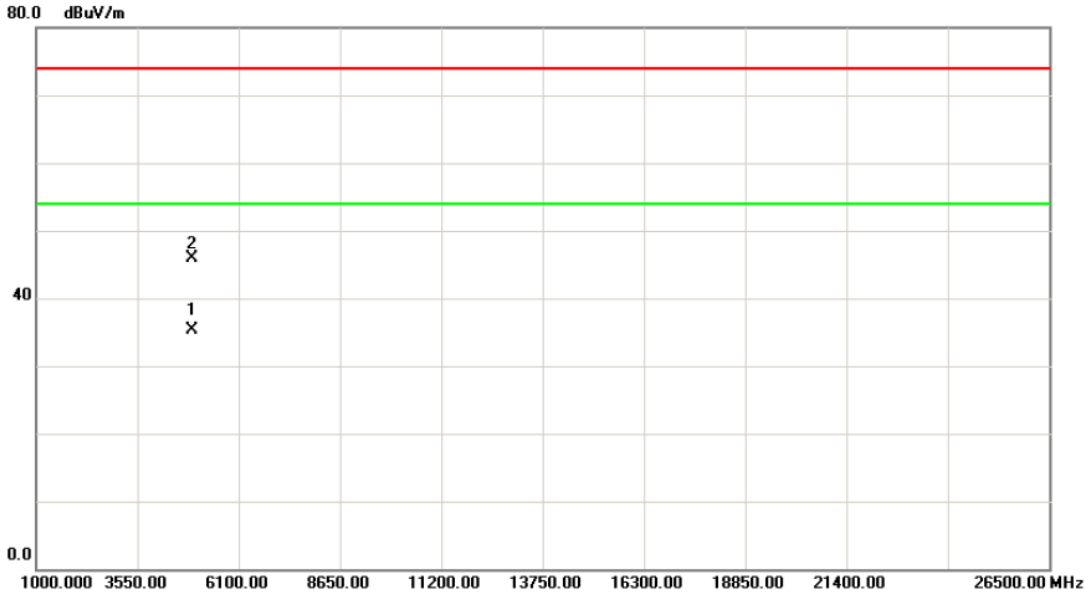
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2462.900	71.27	33.57	104.84	54.00	50.84	AVG	Fundamental frequency, no limit
2	X	2463.000	73.24	33.57	106.81	74.00	32.81	peak	Fundamental frequency, no limit
3		2483.500	27.71	33.62	61.33	74.00	-12.67	peak	
4		2483.500	18.86	33.62	52.48	54.00	-1.52	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

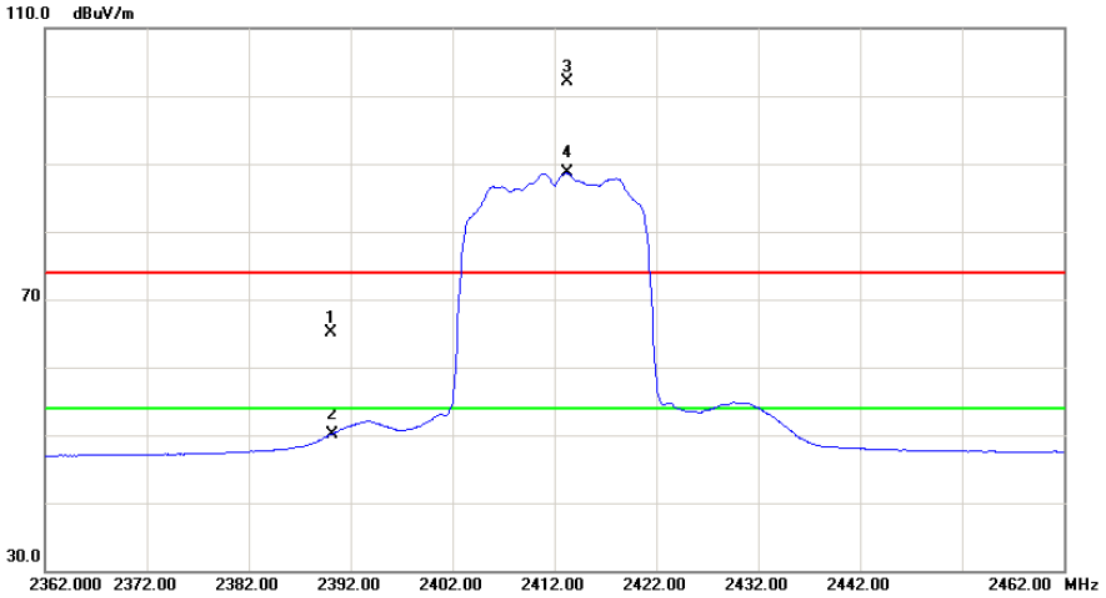
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4923.690	28.56	6.66	35.22	54.00	-18.78	AVG	
2		4924.350	39.25	6.66	45.91	74.00	-28.09	peak	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

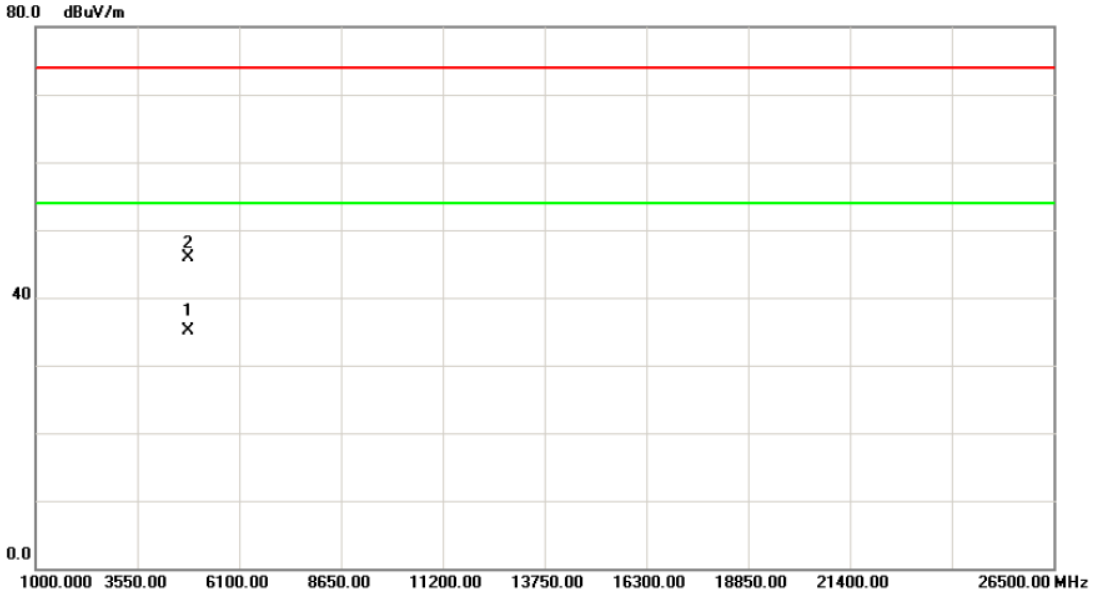
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	31.67	33.38	65.05	74.00	-8.95	peak	
2		2390.000	16.73	33.38	50.11	54.00	-3.89	AVG	
3	X	2413.200	68.63	33.44	102.07	74.00	28.07	peak	Fundamental frequency, no limit
4	*	2413.200	55.19	33.44	88.63	54.00	34.63	AVG	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

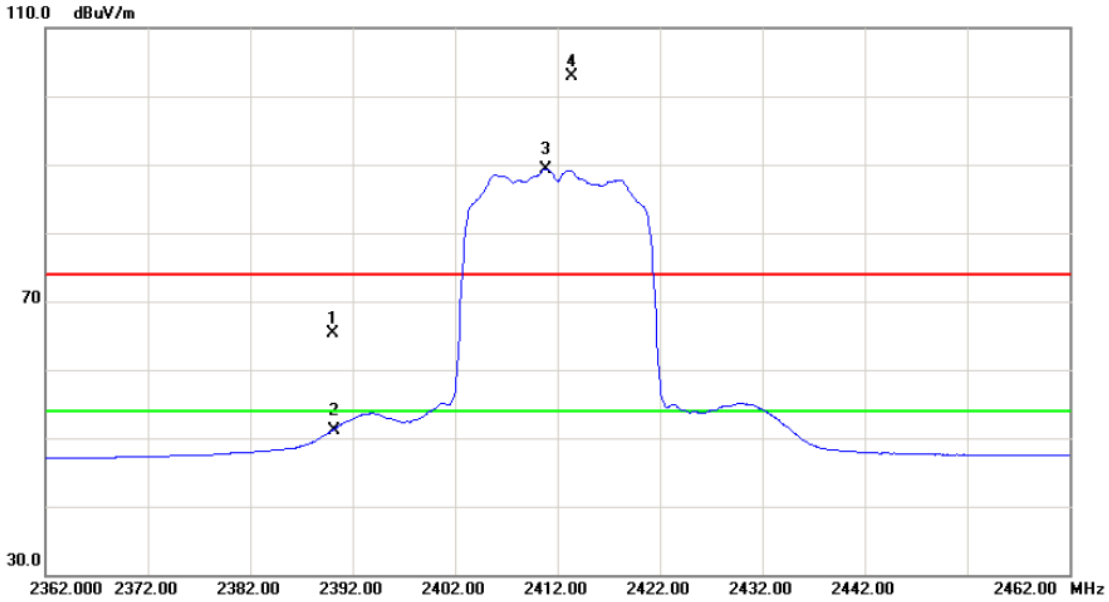
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4824.030	28.57	6.44	35.01	54.00	-18.99	AVG	
2		4824.190	39.43	6.44	45.87	74.00	-28.13	peak	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

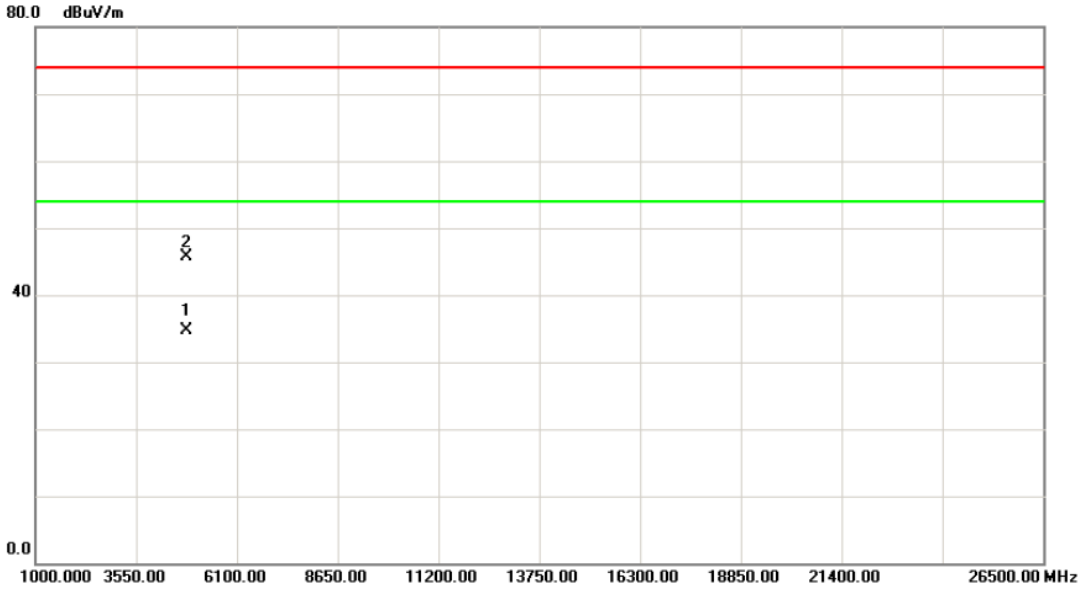
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	31.85	33.38	65.23	74.00	-8.77	peak	
2		2390.000	17.76	33.38	51.14	54.00	-2.86	AVG	
3	*	2410.900	55.95	33.44	89.39	54.00	35.39	AVG	Fundamental frequency, no limit
4	X	2413.400	69.56	33.44	103.00	74.00	29.00	peak	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

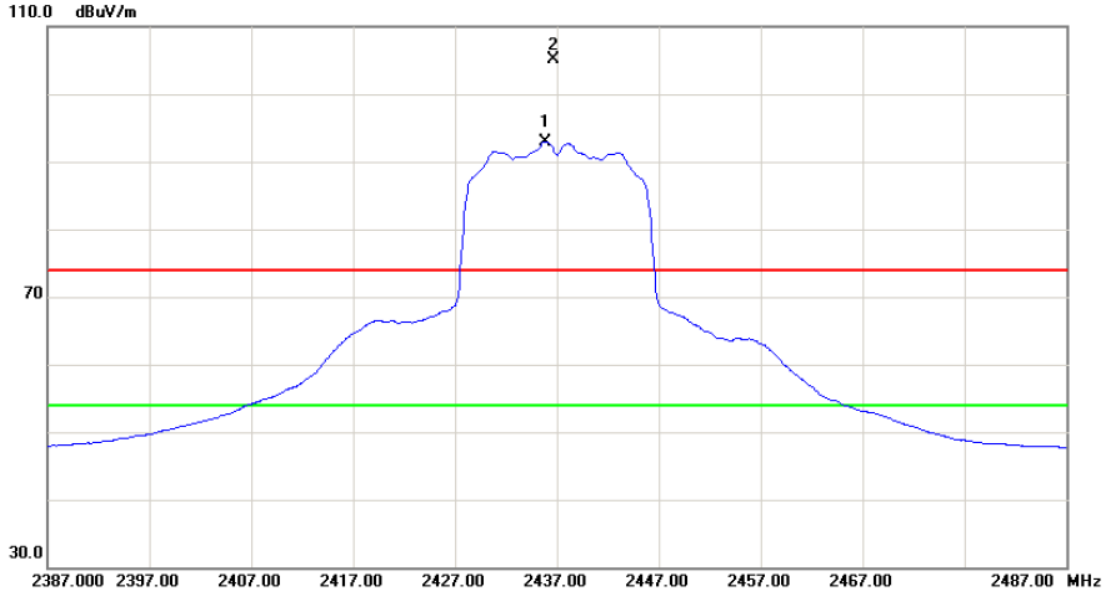
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4823.690	28.18	6.44	34.62	54.00	-19.38	AVG	
2		4824.310	39.27	6.44	45.71	74.00	-28.29	peak	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

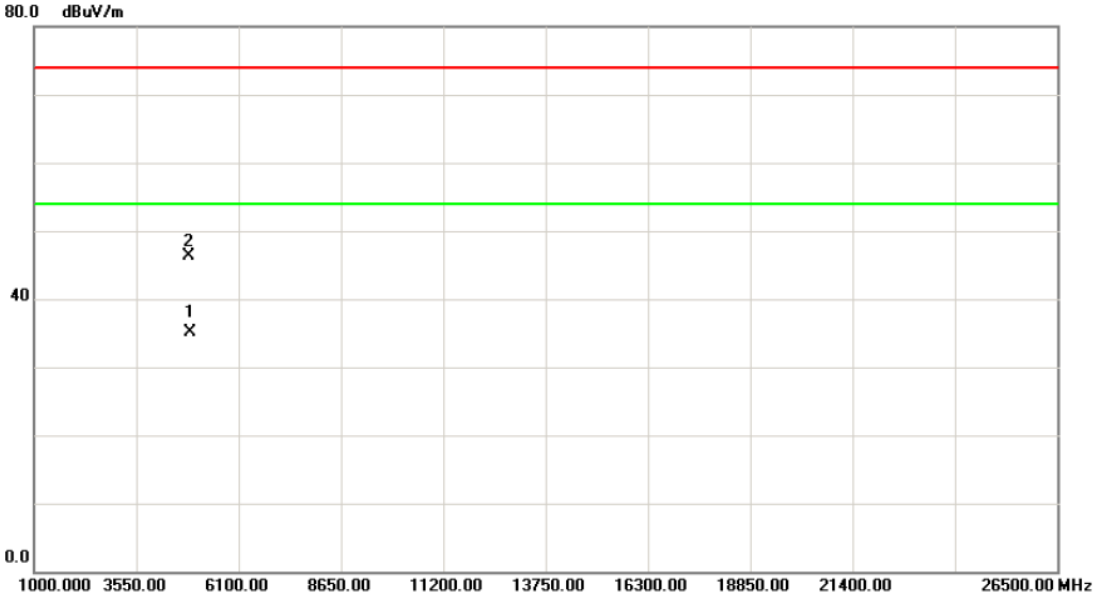
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2435.900	59.45	33.50	92.95	54.00	38.95	AVG	Fundamental frequency, no limit
2	X	2436.700	71.61	33.50	105.11	74.00	31.11	peak	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

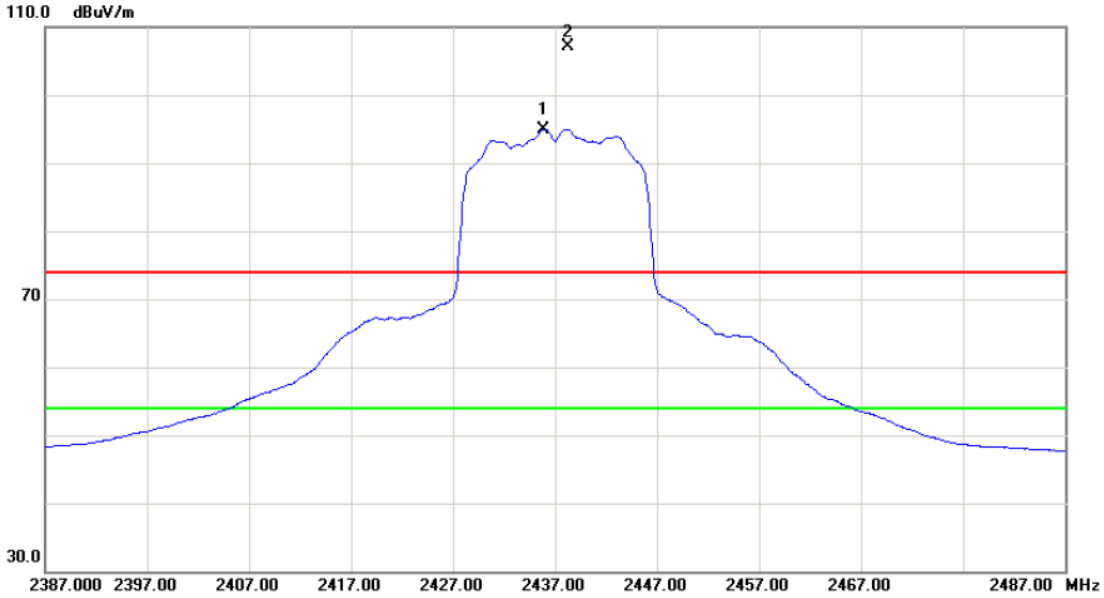
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4874.020	28.53	6.55	35.08	54.00	-18.92	AVG	
2		4874.170	39.72	6.55	46.27	74.00	-27.73	peak	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

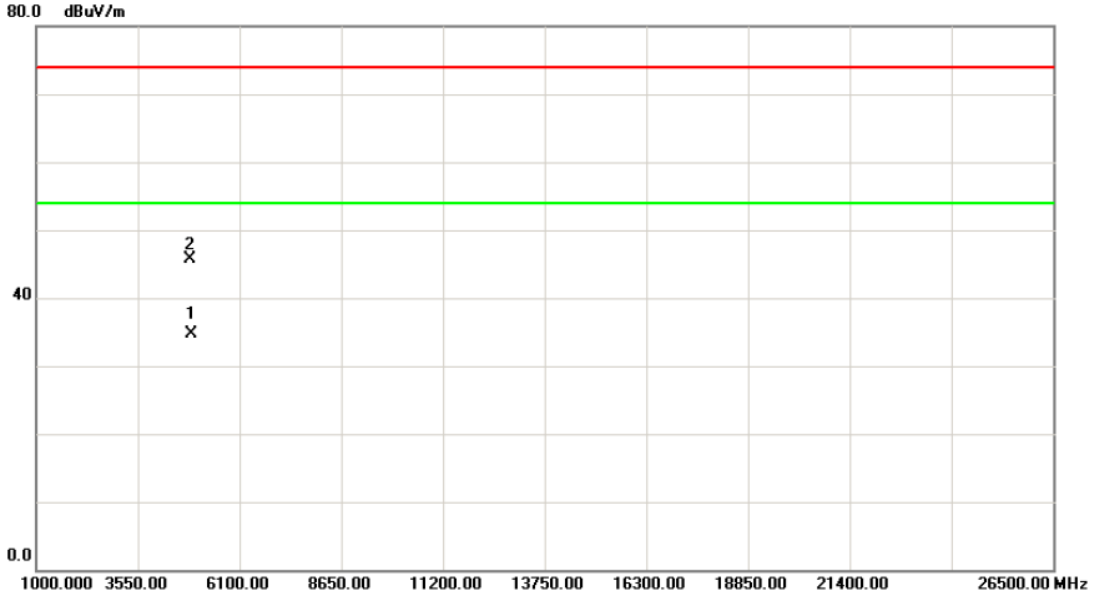
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2435.900	61.47	33.50	94.97	54.00	40.97	AVG	Fundamental frequency, no limit
2	X	2438.200	73.68	33.50	107.18	74.00	33.18	peak	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

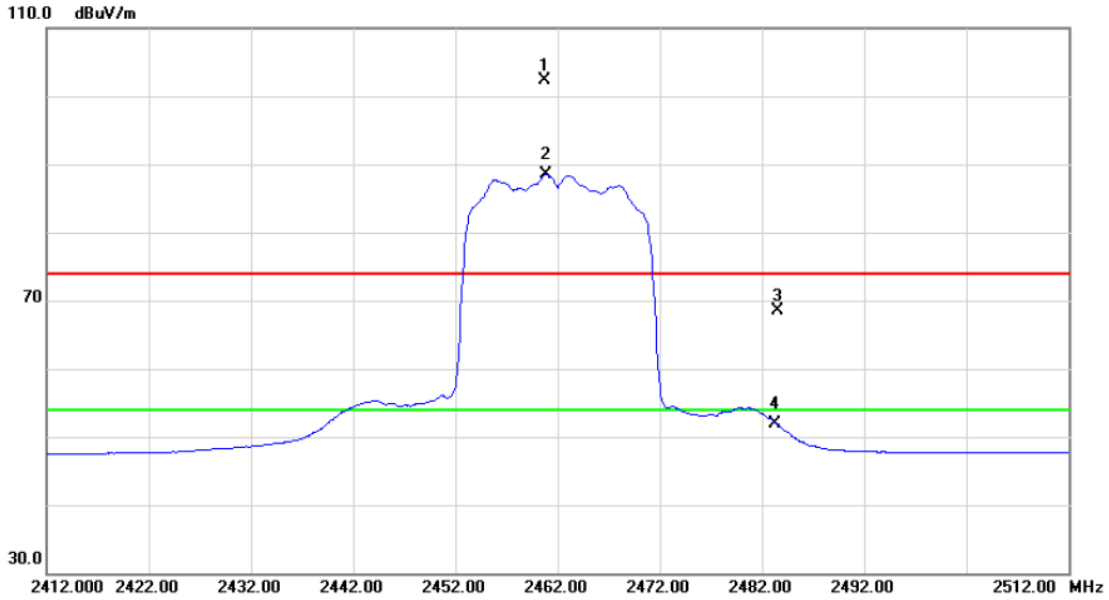
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4873.690	28.07	6.55	34.62	54.00	-19.38	AVG	
2		4874.110	39.16	6.55	45.71	74.00	-28.29	peak	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

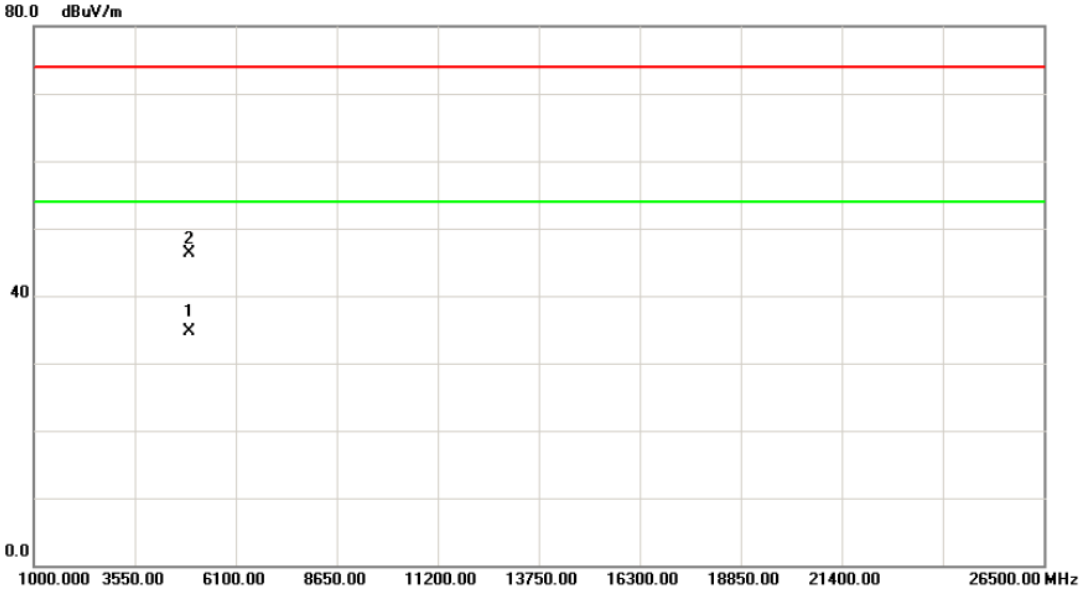
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2460.700	68.83	33.56	102.39	74.00	28.39	peak	Fundamental frequency, no limit
2	*	2460.900	54.90	33.56	88.46	54.00	34.46	AVG	Fundamental frequency, no limit
3		2483.500	34.82	33.62	68.44	74.00	-5.56	peak	
4		2483.500	18.30	33.62	51.92	54.00	-2.08	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

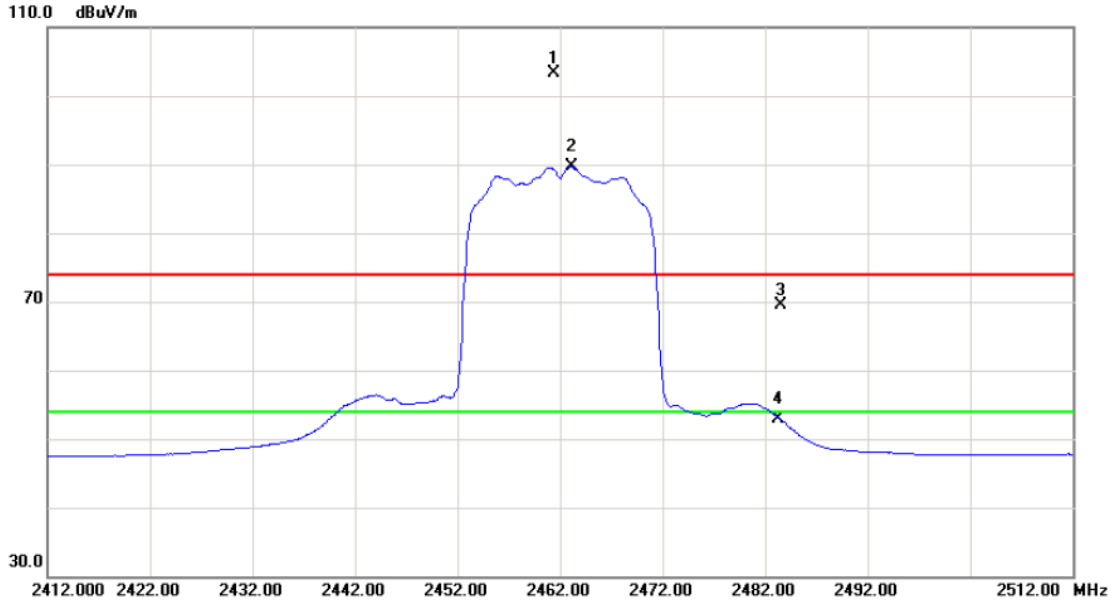
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4924.050	28.05	6.66	34.71	54.00	-19.29	AVG	
2		4924.130	39.58	6.66	46.24	74.00	-27.76	peak	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

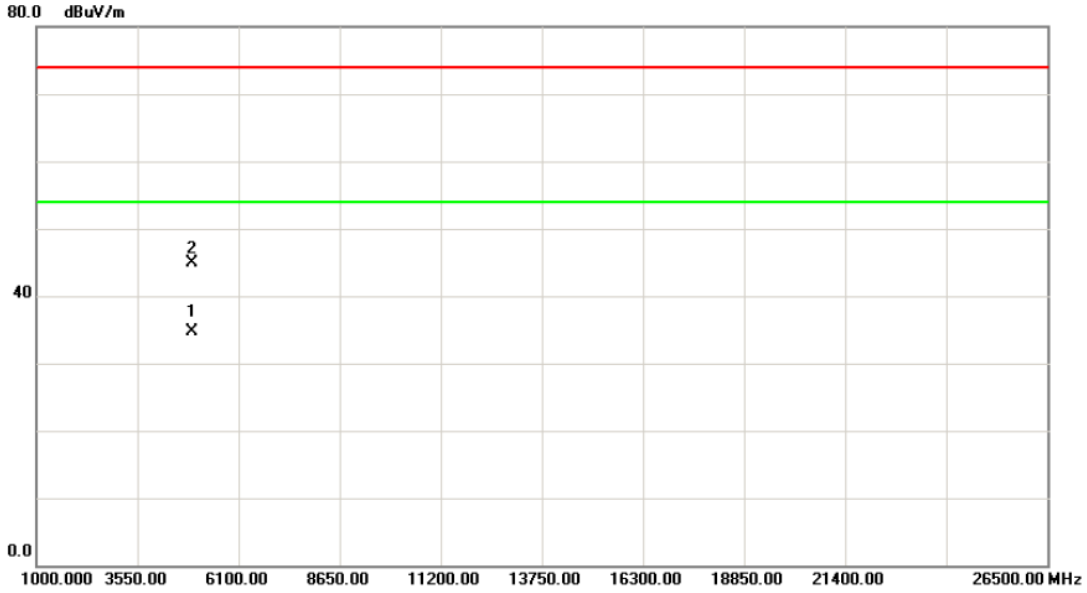
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2461.400	69.76	33.56	103.32	74.00	29.32	peak	Fundamental frequency, no limit
2	*	2463.100	56.07	33.57	89.64	54.00	35.64	AVG	Fundamental frequency, no limit
3		2483.500	35.94	33.62	69.56	74.00	-4.44	peak	
4		2483.500	19.31	33.62	52.93	54.00	-1.07	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

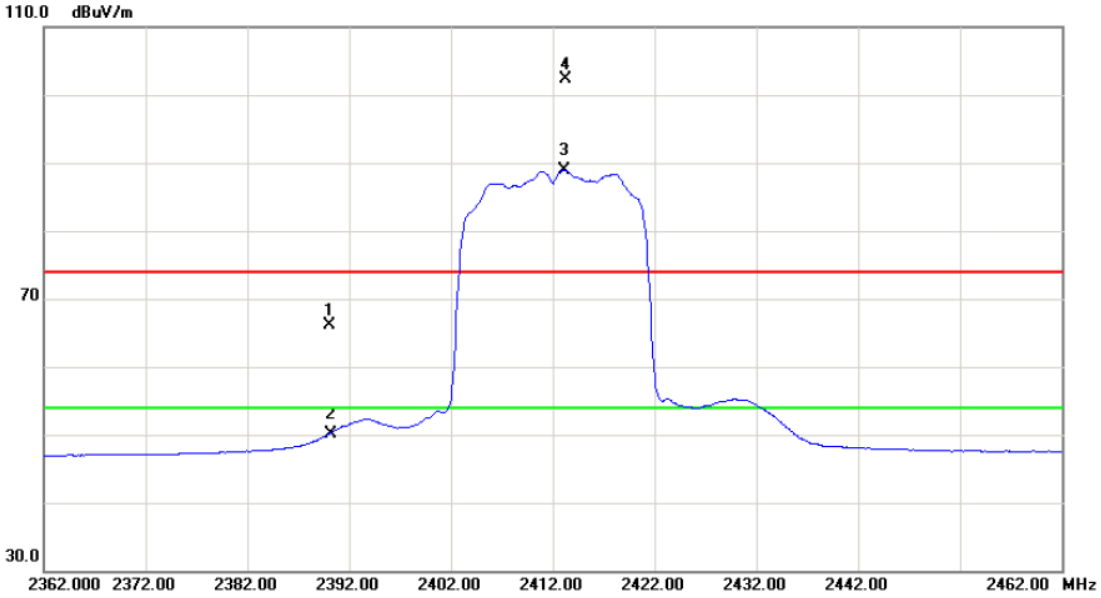
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4923.870	27.96	6.66	34.62	54.00	-19.38	AVG	
2		4924.210	38.16	6.66	44.82	74.00	-29.18	peak	

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

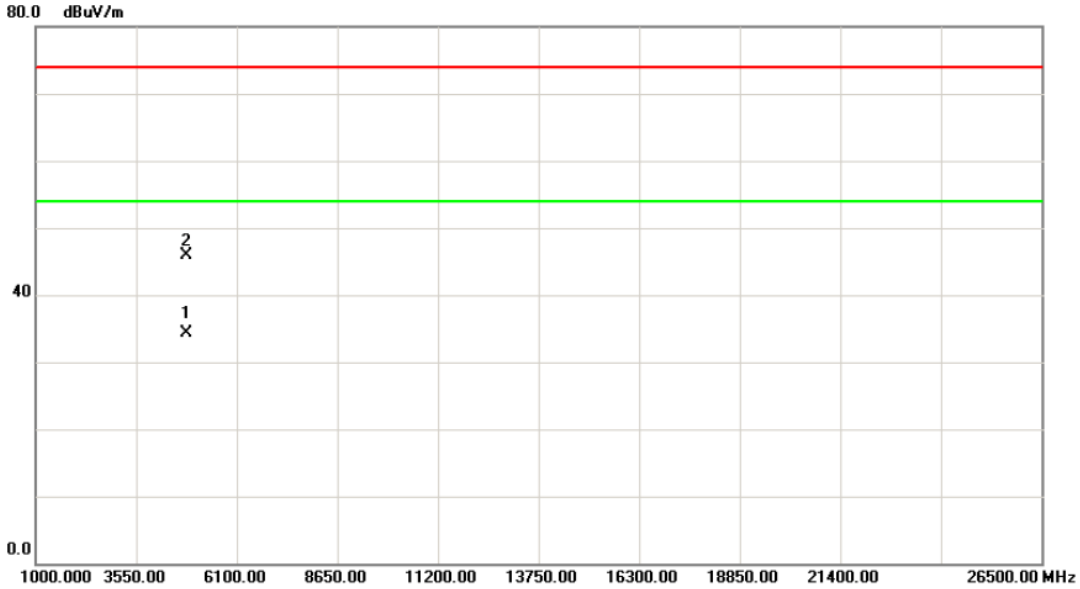
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	32.64	33.38	66.02	74.00	-7.98	peak	
2		2390.000	16.79	33.38	50.17	54.00	-3.83	AVG	
3	*	2413.100	55.47	33.44	88.91	54.00	34.91	AVG	Fundamental frequency, no limit
4	X	2413.300	68.80	33.44	102.24	74.00	28.24	peak	Fundamental frequency, no limit

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

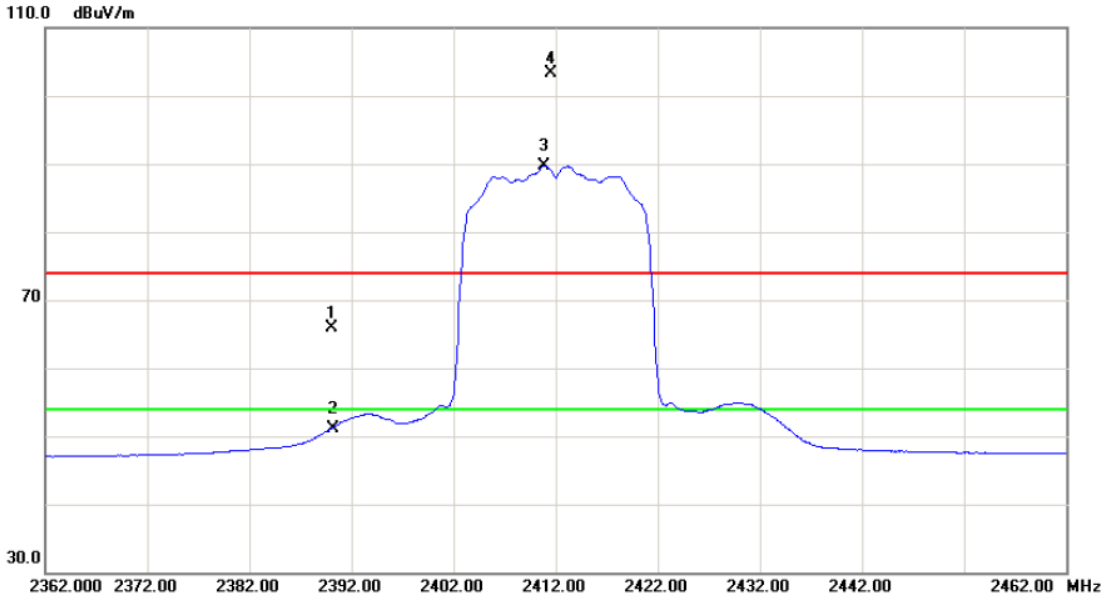
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4824.000	27.89	6.44	34.33	54.00	-19.67	AVG	
2		4824.130	39.52	6.44	45.96	74.00	-28.04	peak	

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

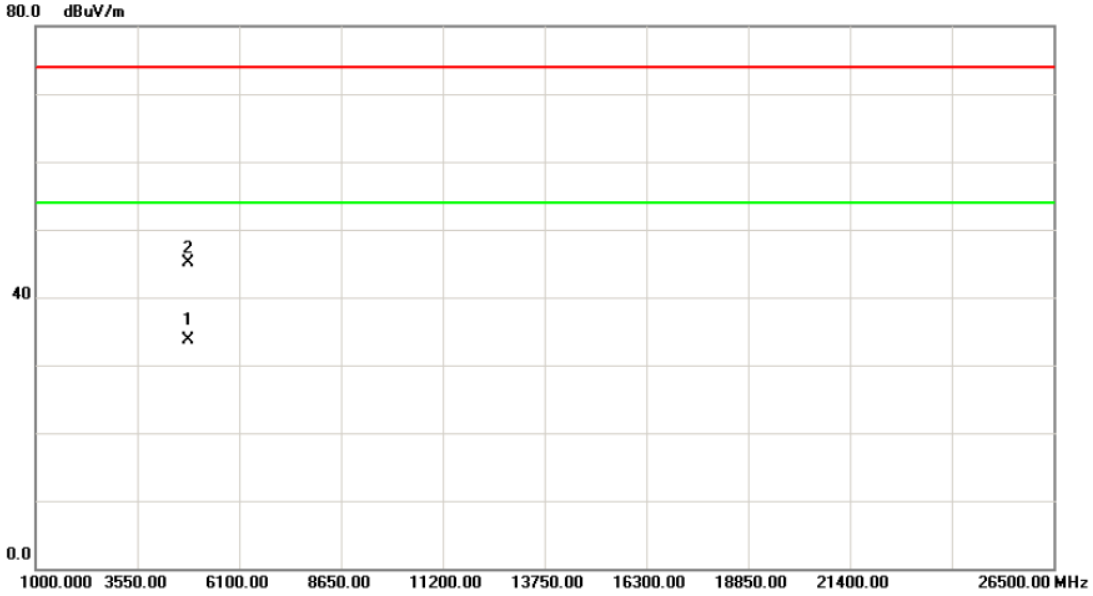
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	32.54	33.38	65.92	74.00	-8.08	peak	
2		2390.000	17.77	33.38	51.15	54.00	-2.85	AVG	
3	*	2410.900	56.23	33.44	89.67	54.00	35.67	AVG	Fundamental frequency, no limit
4	X	2411.500	69.81	33.44	103.25	74.00	29.25	peak	Fundamental frequency, no limit

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

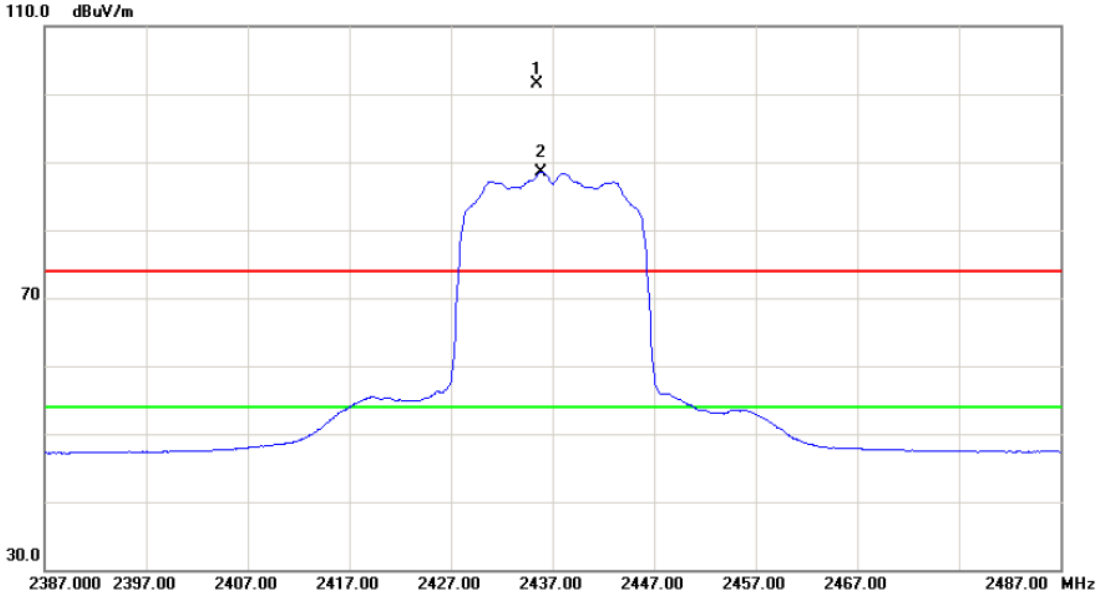
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4823.860	27.31	6.44	33.75	54.00	-20.25	AVG	
2		4824.020	38.62	6.44	45.06	74.00	-28.94	peak	

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

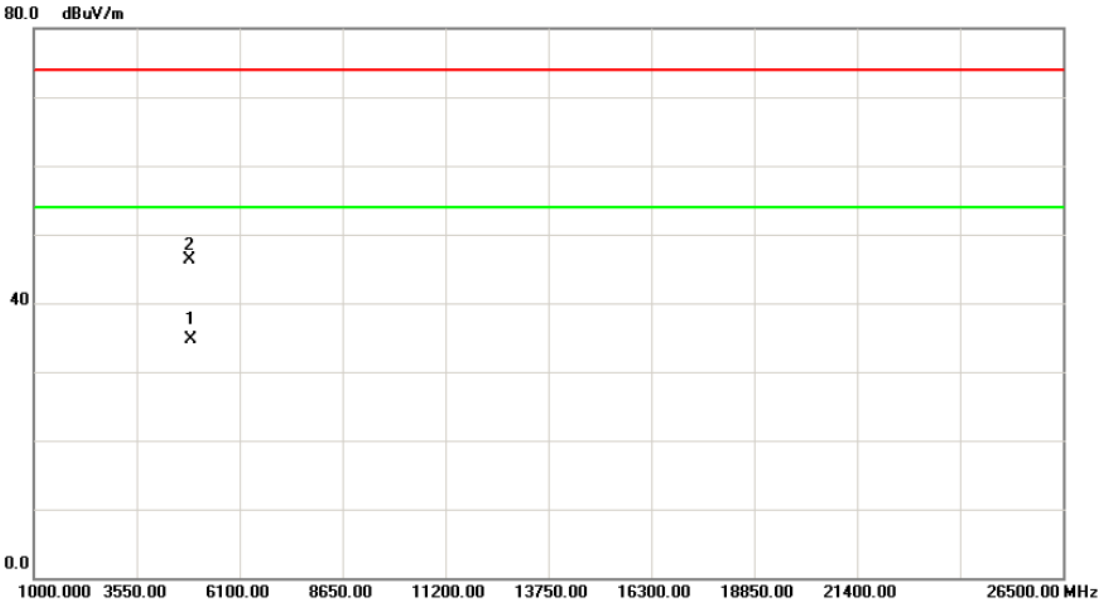
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2435.400	67.92	33.50	101.42	74.00	27.42	peak	Fundamental frequency, no limit
2	*	2435.800	55.02	33.50	88.52	54.00	34.52	AVG	Fundamental frequency, no limit

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

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4874.000	28.06	6.55	34.61	54.00	-19.39	AVG	
2		4874.190	39.75	6.55	46.30	74.00	-27.70	peak	