

FCC&IC Radio Test Report

FCC ID: 2AFZI-AVI1010

IC: 20544-AVI1010

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

Project No. : 1609C017
Equipment : Avi-on 1010
Test Model : AVI1010
Series Model : AVI1010UFL, AVI1010WIR, AVI1010NA,
AVI1010VIA
Applicant : Avi-on Labs, Inc.
Address : 2750 Rasmussen , Suite 206 Park City, Utah
United States 84098

Date of Receipt : Sep. 05, 2016
Date of Test : Sep. 05, 2016 ~ Oct. 11, 2016
Issued Date : Oct. 11, 2016
Tested by : BTL Inc.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FICP-1-1609C017	Original Issue.	Oct. 11, 2016

1. CERTIFICATION

Equipment : Avi-on 1010
Brand Name : Avi-ON
Test Model : AVI1010
Series Model : AVI1010UFL, AVI1010WIR, AVI1010NA, AVI1010VIA
Applicant : Avi-on Labs, Inc.
Manufacturer : Iton Technology Corp.,Ltd
Address : Room 1302, Block A, Building 4, Tianan Cyber Park, Huangge Road, Longgang District, Shenzhen, China
Factory : Iton Technology Corp.,Ltd
Address : Room 1302, Block A, Building 4, Tianan Cyber Park, Huangge Road, Longgang District, Shenzhen, China
Date of Test : Sep. 05, 2016 ~ Oct. 10, 2016
Test Sample : Engineering Sample
Standard(s) : FCC Part15, Subpart C :2014 (15.247) / ANSI C63.10-2013
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-1-1609C017) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

Test results included in this report is only for the Bluetooth LE part.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part 15 (15.247), Subpart C RSS-247 Issue 1, May 2015, RSS-GEN Issue 4, Nov 2014				
Standard(s) Section		Test Item	Judgment	Remark
FCC	IC			
15.207	RSS-247 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 to this device.
- (2) The test follows FCC KDB Publication No. 558074 D01 DTS Meas Guidance v03r05 (Measurement Guidelines of DTS)

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

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_{cisp} 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)
DG-C02	CISPR	150 KHz ~ 30MHz	2.32

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U , (dB)
DG-CB03	CISPR	9KHz~30MHz	V	3.79
		9KHz~30MHz	H	3.57
		30MHz ~ 200MHz	V	3.82
		30MHz ~ 200MHz	H	3.78
		200MHz ~ 1,000MHz	V	4.10
		200MHz ~ 1,000MHz	H	4.06
		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	Avi-on 1010	
Brand Name	Avi-ON	
Test Model	AVI1010	
Series Model	AVI1010UFL, AVI1010WIR, AVI1010NA, AVI1010VIA	
Model Difference	Differ in antenna matched with it, please see below note 2 for the details.	
Product Description	Operation Frequency	2402~2480 MHz
	Modulation Technology	GFSK(1Mbps)
	Bit Rate of Transmitter	
	Output Power (Max.)	7.23 dBm (1Mbps)
Power Source	Supplied from host.	
Power Rating	DC 3.6V	

Note:

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

2.

Model	Antenna
AVI1010	Ant 1 / Ant 2 / Ant 3 / Ant 4 / Ant 5
AVI1010UFL	Ant 1 / Ant 2 / Ant 4 / Ant 5
AVI1010WIR	Ant 3
AVI1010NA	Ant 3
AVI1010VIA	Ant 3

3.

Channel List			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	20	2442
01	2404	21	2444
02	2406	22	2446
03	2408	23	2448
04	2410	24	2450
05	2412	25	2452
06	2414	26	2454
07	2416	27	2456
08	2418	28	2458
09	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480

4. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	N/A	N/A	Dipole	IPEX	2.1	N/A
2	N/A	N/A	Internal	IPEX	5.90	N/A
3	N/A	N/A	Wire Monopole	N/A	3.18	N/A
4	N/A	N/A	PIFA	N/A	2.33	N/A
5	N/A	HG2412P	Large Patch	N/A	12	N/A

Note: (1) There are 5 options for the antenna of product, only one antenna is used at a time.
 (2) Maximum Antenna Gain=12 dBi. So, the output power limit is $30-12+6=25$, the power density limit is $8-12+6=3$.

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 Mode NOTE (1)
Mode 2	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 2	TX Mode

For Radiated Test	
Final Test Mode	Description
Mode 1	TX Mode NOTE (1)

Note:

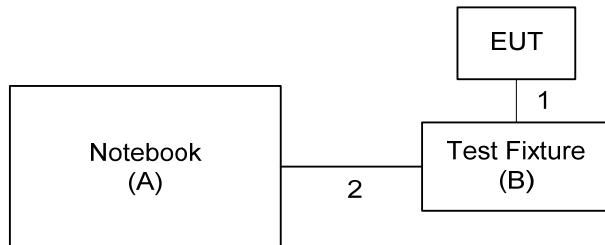
- (1) The measurements are performed at the high, middle, low available channels.
- (2) Both adapter and battery are evaluated, operated the adapter is the worst and recorded as below test data
- (3) For Conducted Test and Radiated Test of 9KHz-30MHz, Ant 5 is found as the worst case and recored.

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 BT LE.

Test Software Version	CSR		
Frequency	2402 MHz	2441 MHz	2480 MHz
BT LE	6	6	5

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
A	NOTEBOOK	Lenovo	INSPIRON 1420-	DOC	JX193A01SDC2
B	Test Fixture	N/A	N/A	N/A	N/A

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	0.15m	RF Cable
2	NO	NO	0.5m	USB Cable

Note:

- (1) For detachable type I/O cable should be specified the length in m in『Length』column.

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 (dB μ V)	
	Quasi-peak	Average
0.15 -0.5	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

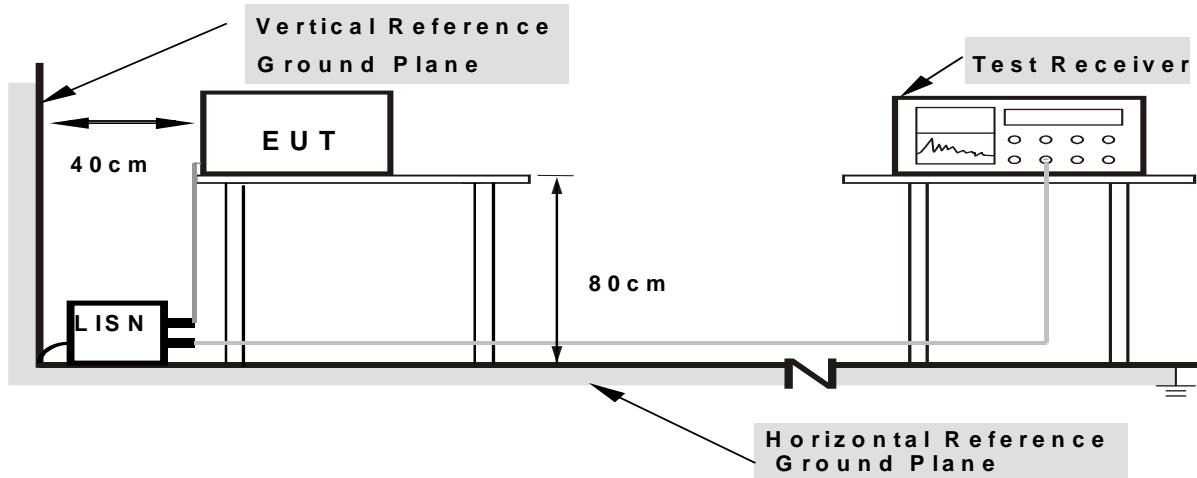
4.1.2 TEST PROCEDURE

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

Remark:

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

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

In case the emission fall within the restricted band specified on 15.205(a) & RSS-247 5.5, then the 15.209(a) 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).
- (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

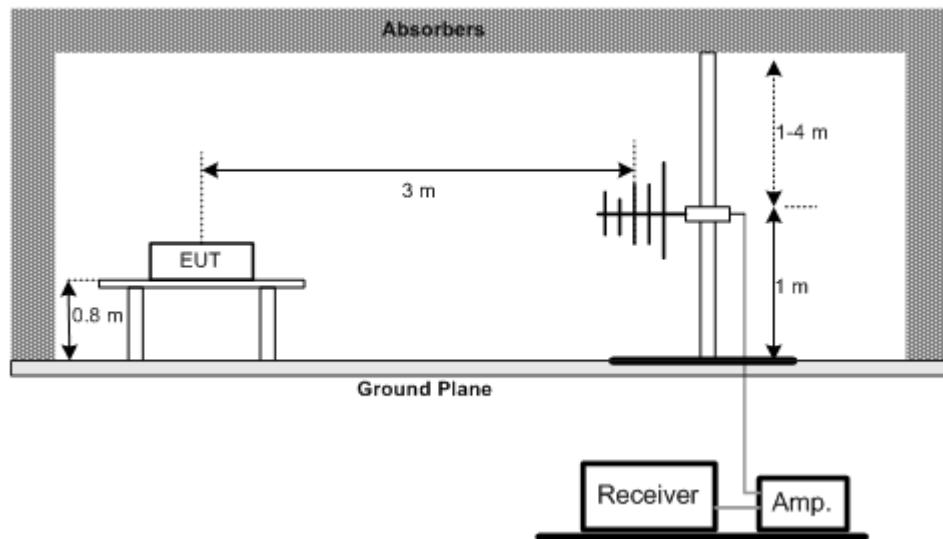
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- f. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- g. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

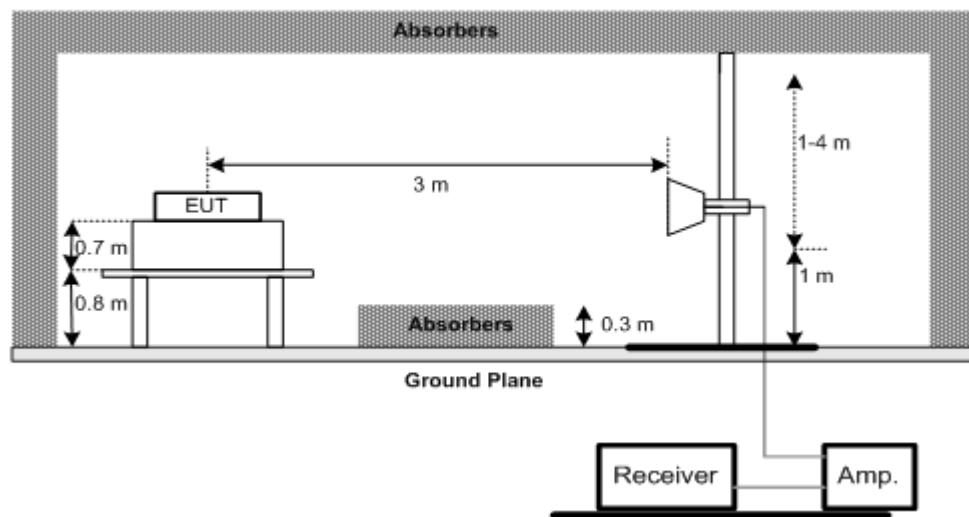
No deviation

4.2.4 TEST SETUP

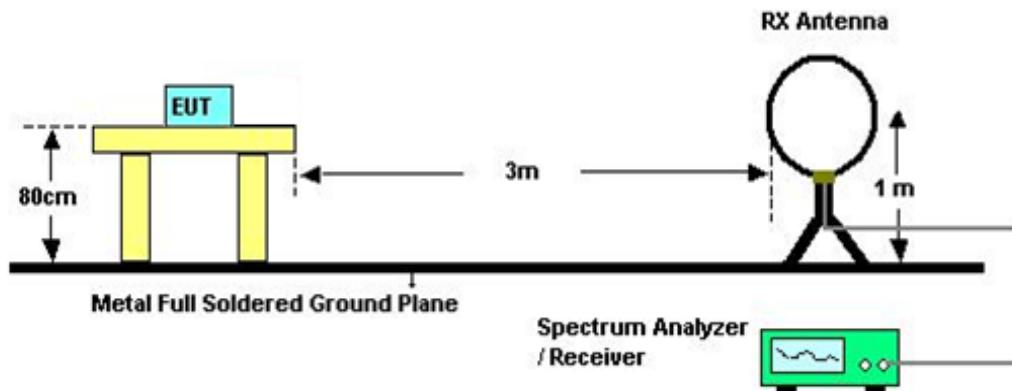
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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 (30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

Remark:

- (1) Measuring frequency range from 30MHz to 1000MHz.
- (2) If the peak scan value lower limit more than 20dB, then this signal data does not show in table.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

- (1) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (2) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (3) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna
- (4) 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 / limit

FCC Part15 (15.247) , Subpart C / RSS-247				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2) RSS-GEN section 6.6 RSS-247 5.2 (1)	Bandwidth	>= 500KHz (6dB 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 4.1.5 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 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 v03r05.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

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

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 Applied procedures / limit

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 = 10 ms.
- c. Offset=antenna gain+cable loss

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 OPERATION 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=10 KHz, 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	0052765	Mar. 27, 2017
2	LISN	R&S	ENV216	101447	Mar. 27, 2017
3	Test Cable	emci	RG223(9KHz-30MHz)	C_17	Mar. 10, 2017
4	EMI Test Receiver	R&S	ESCI	100382	Mar. 27, 2017
5	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 27, 2017
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. 27, 2017
2	Amplifier	HP	8447D	2944A09673	Nov. 09, 2016
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 04, 2017
4	Test Cable	emci	LMR-400(30MHz-1GHz)	C-01	Jun. 27, 2017
5	Control	CT	SC100	N/A	N/A
6	Position Control	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	Antenna	ETS	3115	00075789	Mar. 27, 2017
9	Amplifier	Agilent	8449B	3008A02274	Nov. 01, 2016
10	Test Cable	emci	EMC104-SM-S M-10000(1GHz-26.5GHz)	C-68	Jun. 27, 2017
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017
13	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 05, 2017

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

Peak Output Power Measurement

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	power Meter	ANRITSU	ML2495A	1128009	Apr. 26, 2017
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Apr. 26, 2017

Antenna Conducted Spurious Emission Measurement

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

Power Spectral Density Measurement

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

Remark: "N/A" denotes no model name, serial no. or calibration specified.

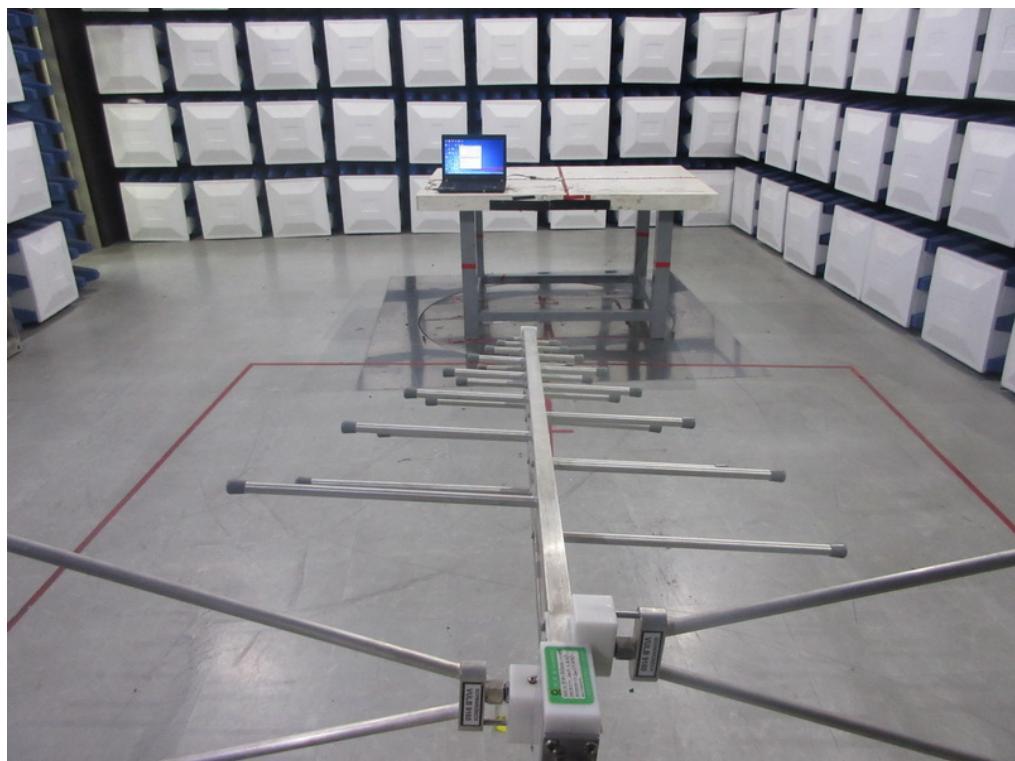
All calibration period of equipment list is one year.

10. EUT TEST PHOTO**Conducted Measurement Photos**

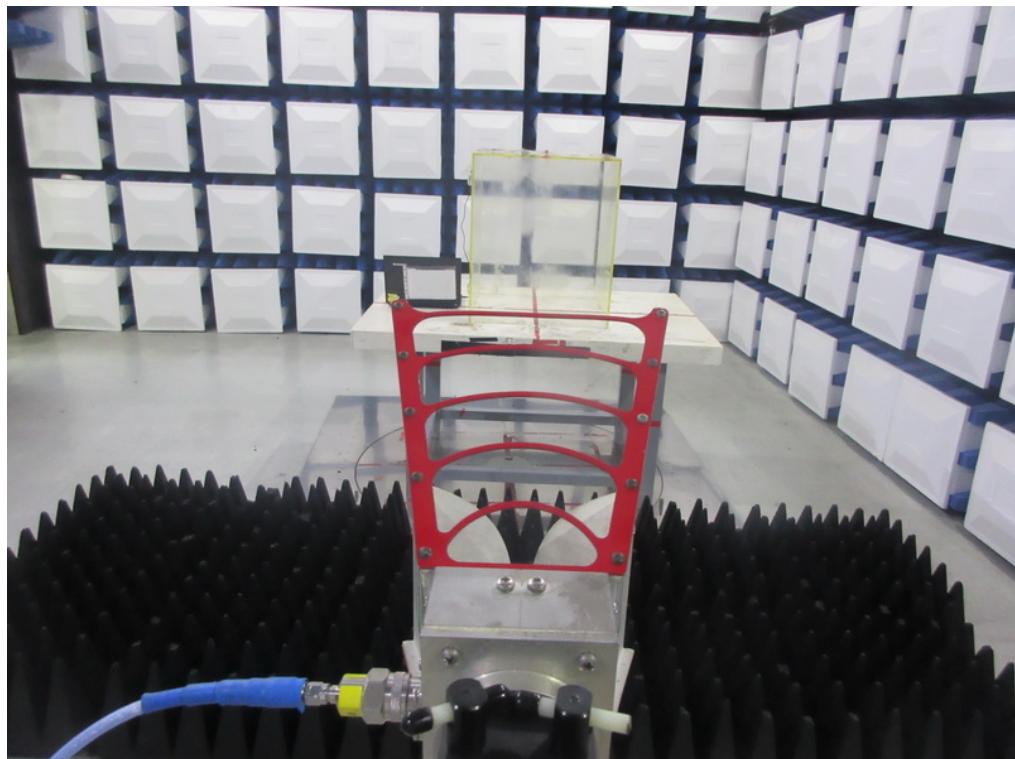
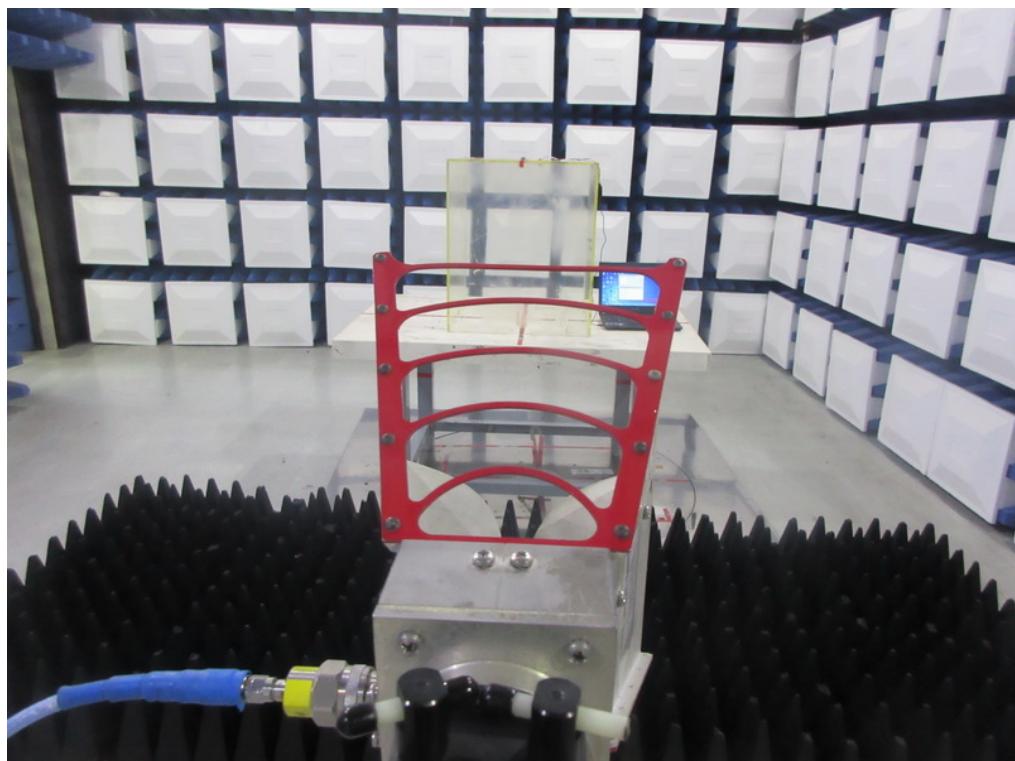
**Radiated Measurement Photos- Ant 5
9KHz to 30MHz**



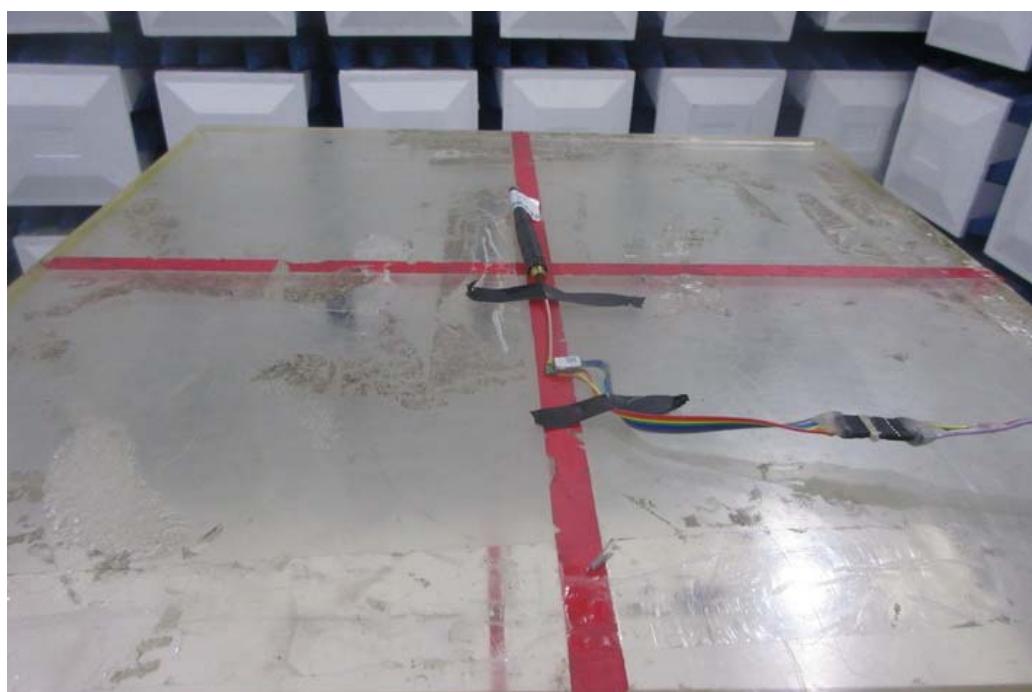
**Radiated Measurement Photos - Ant 1
30MHz to 1000MHz**



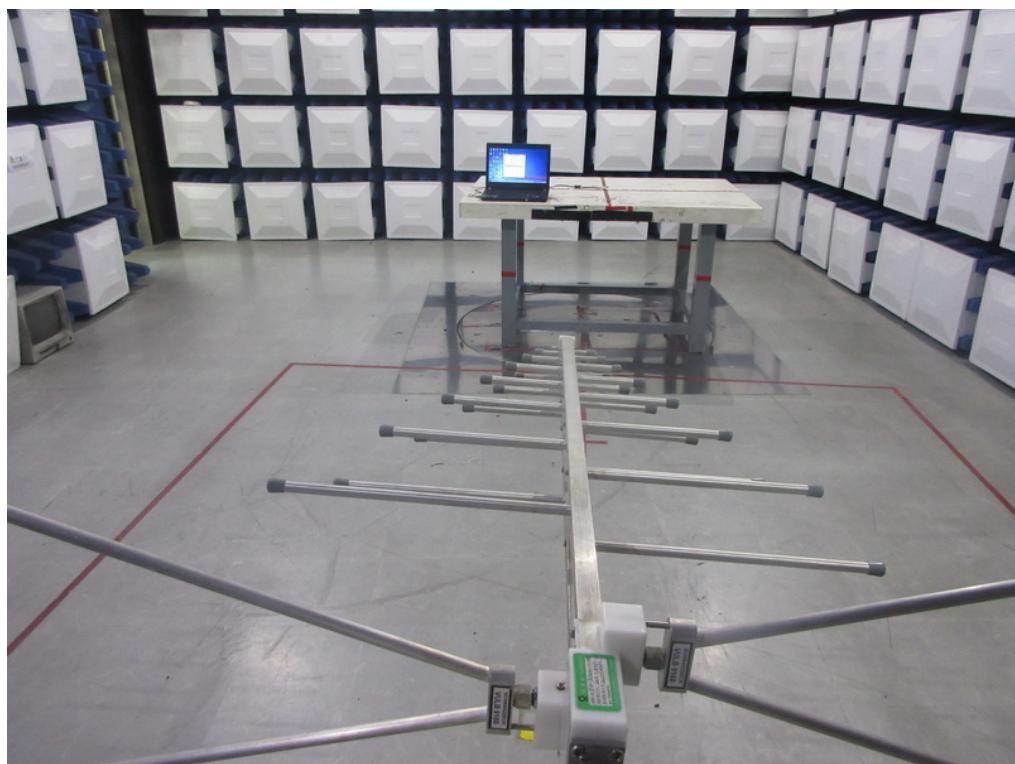
**Radiated Measurement Photos - Ant 1
1GHz to 18GHz**



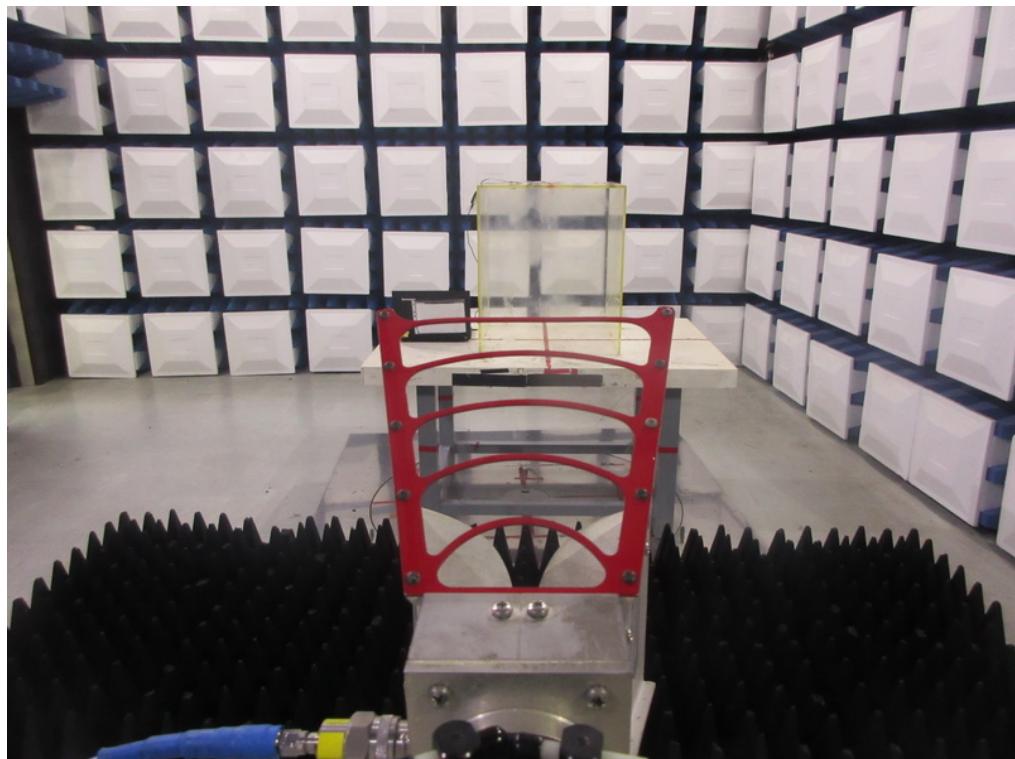
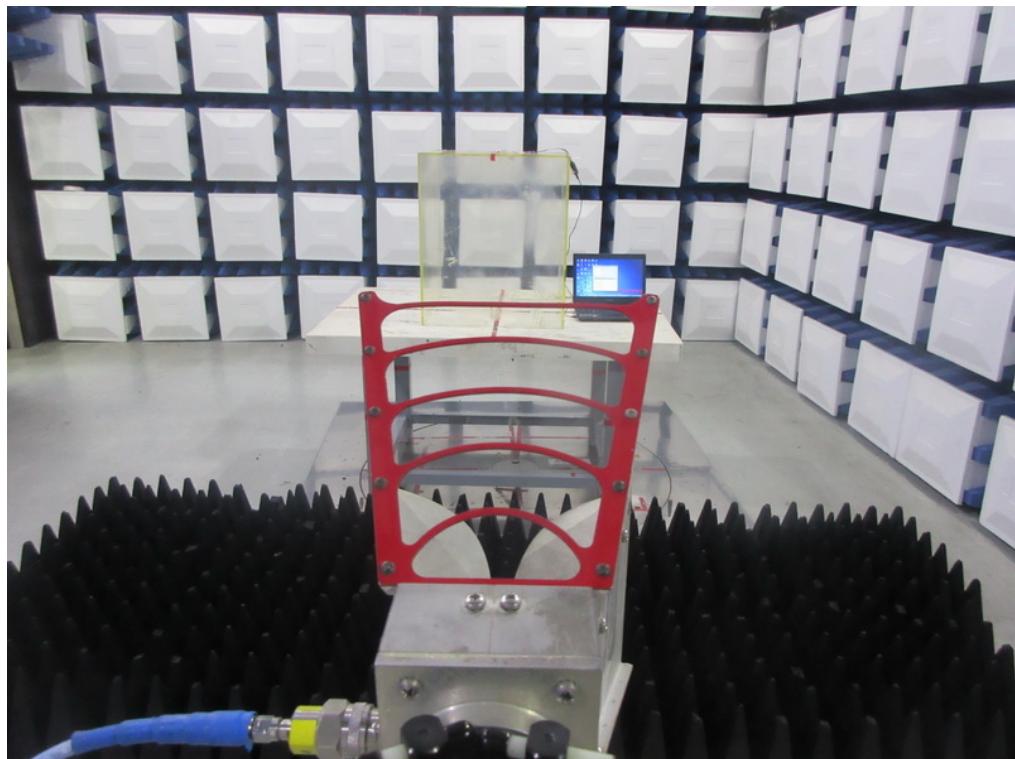
**Radiated Measurement Photos - Ant 1
Above 18GHz**



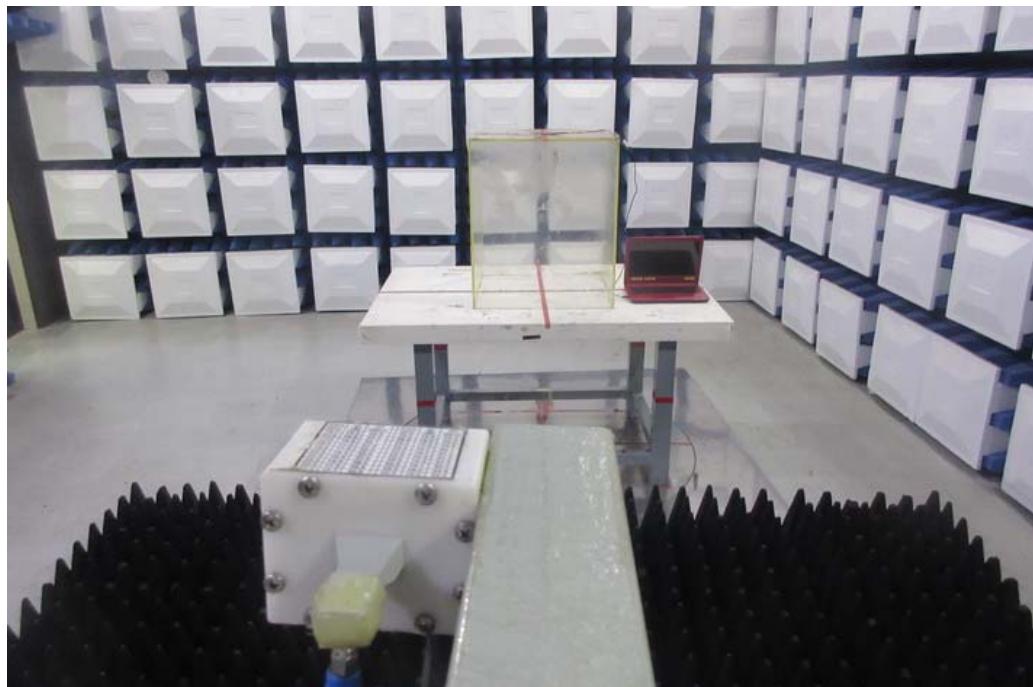
Radiated Measurement Photos - Ant 2 30MHz to 1000MHz



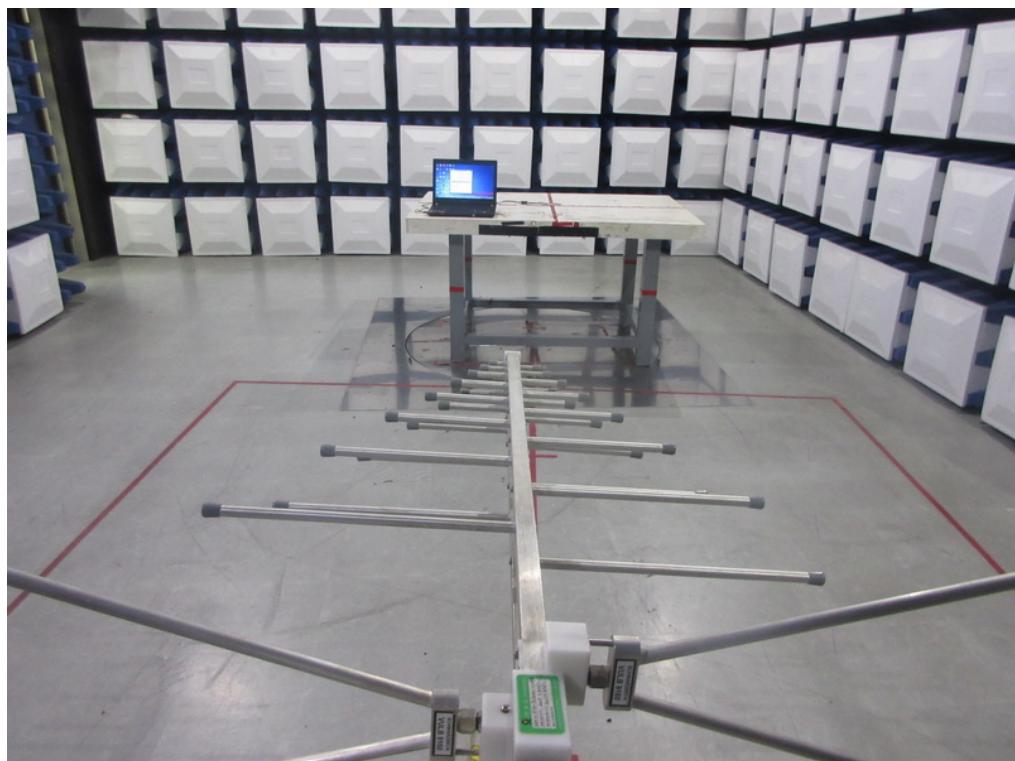
Radiated Measurement Photos - Ant 2
1GHz to 18GHz



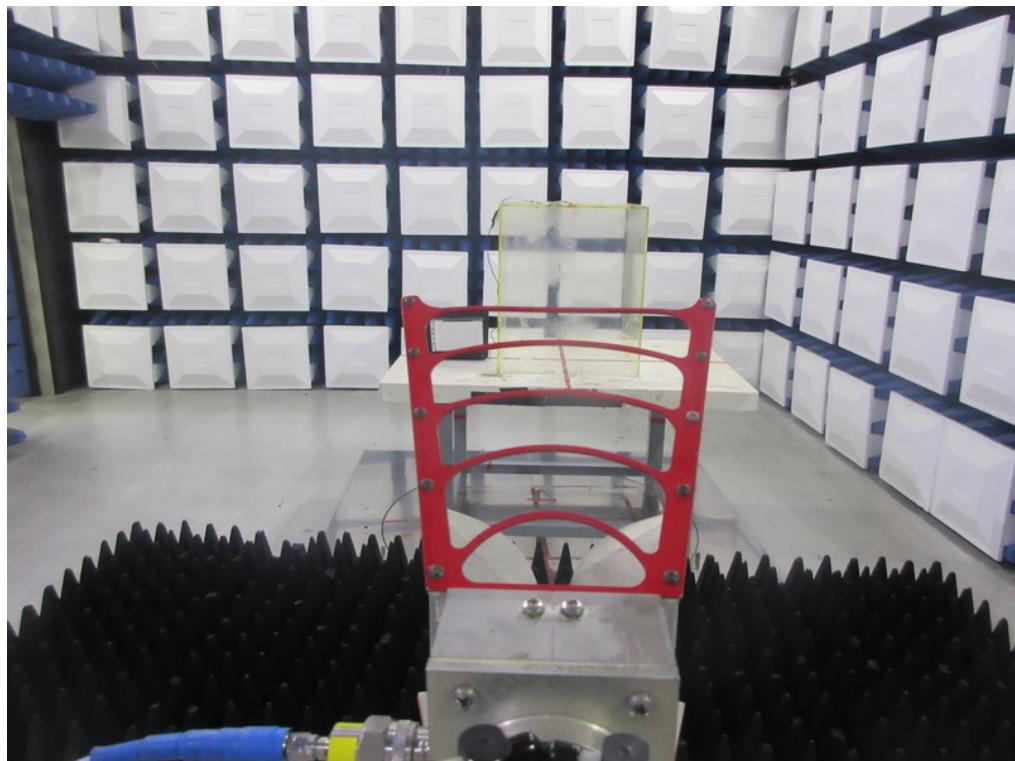
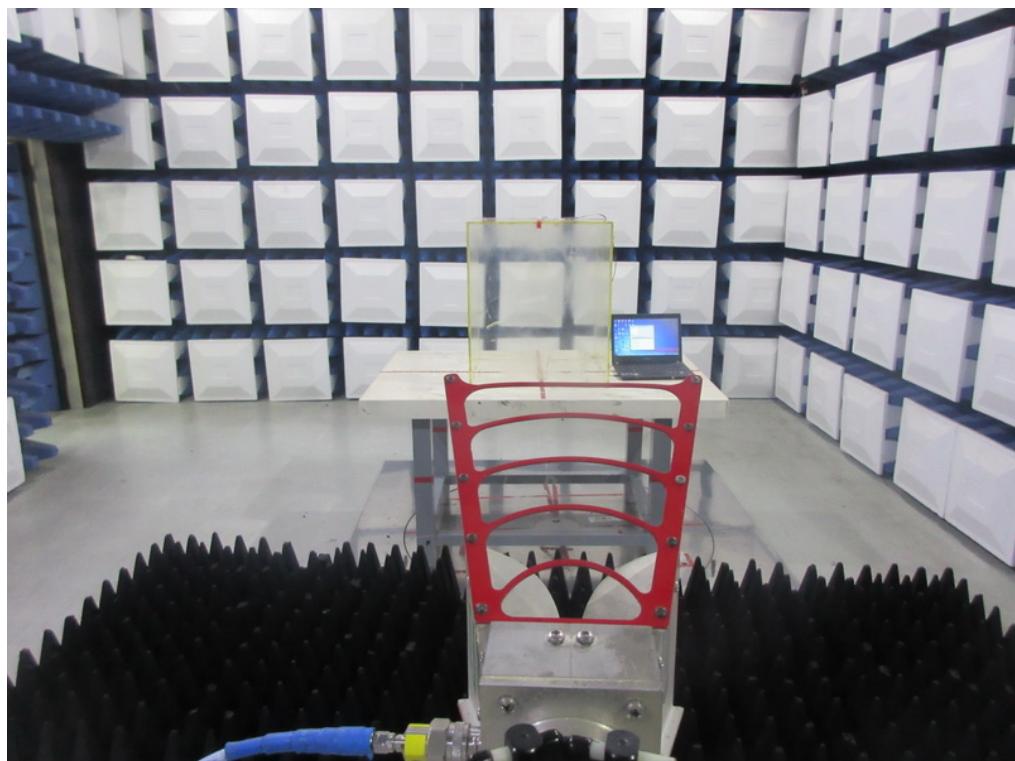
**Radiated Measurement Photos - Ant 2
Above 18GHz**



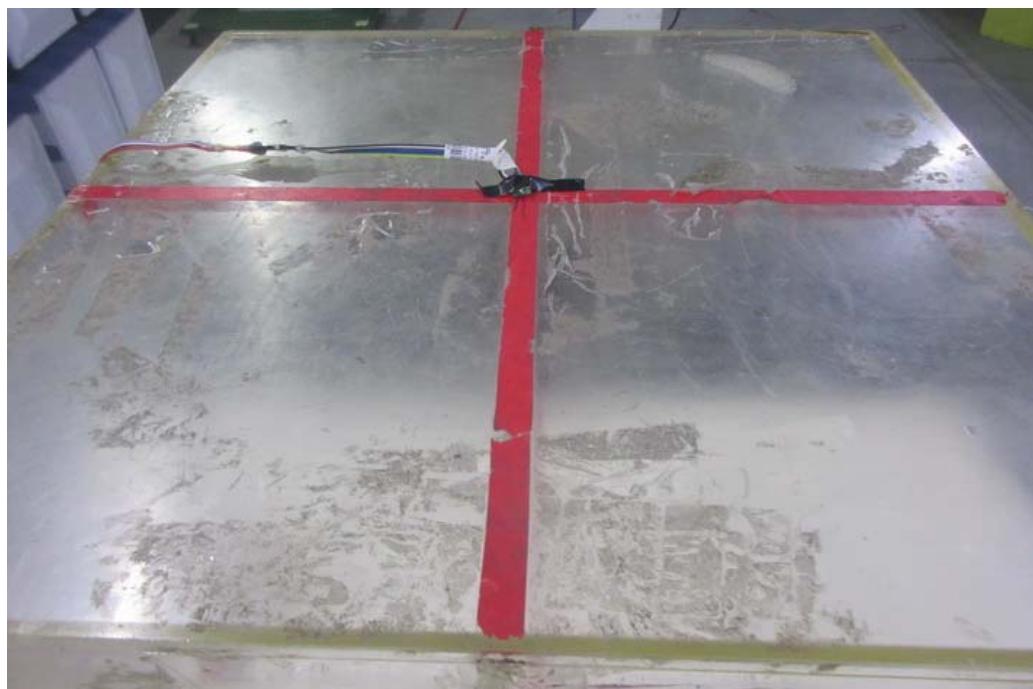
**Radiated Measurement Photos - Ant 3
30MHz to 1000MHz**



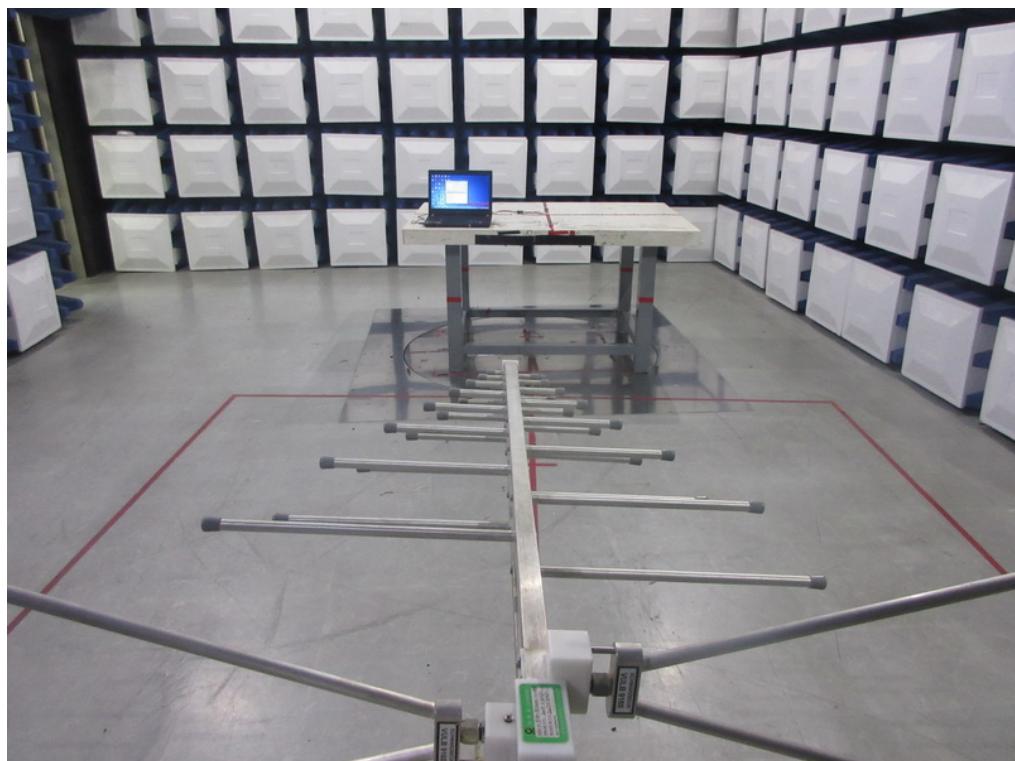
**Radiated Measurement Photos - Ant 3
1GHz to 18GHz**



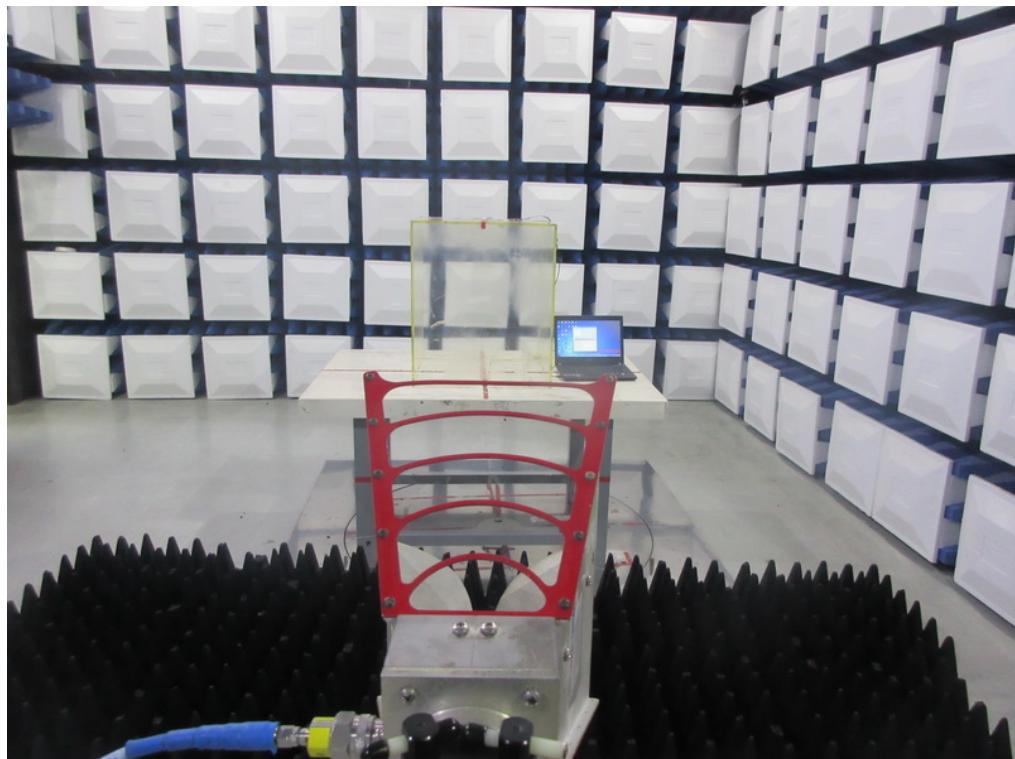
**Radiated Measurement Photos - Ant 3
Above 18GHz**



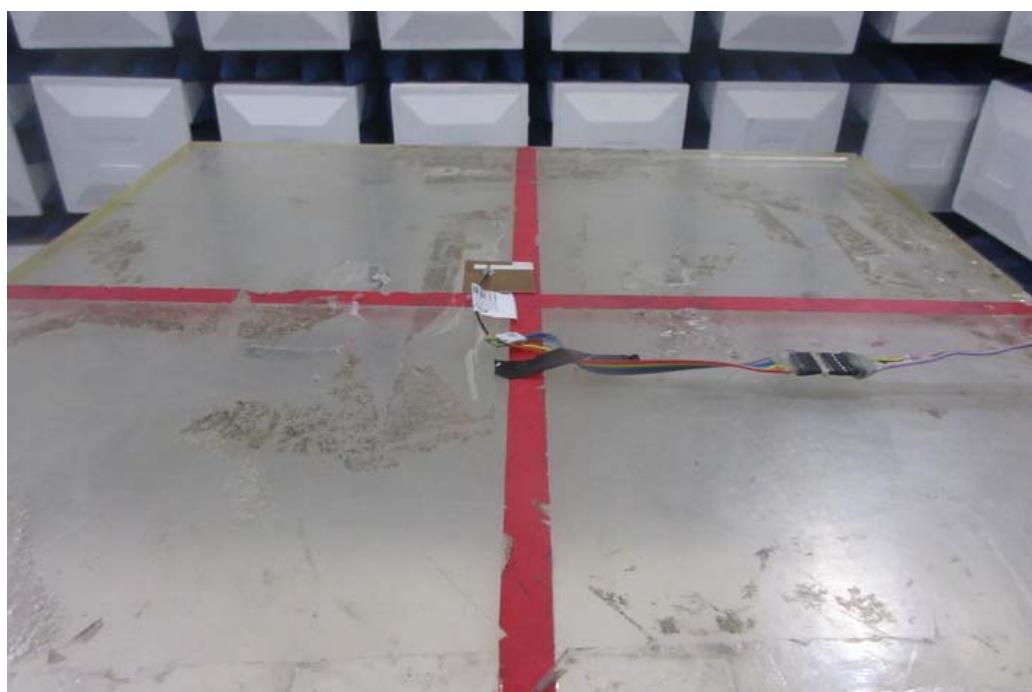
**Radiated Measurement Photos - Ant 4
30MHz to 1000MHz**



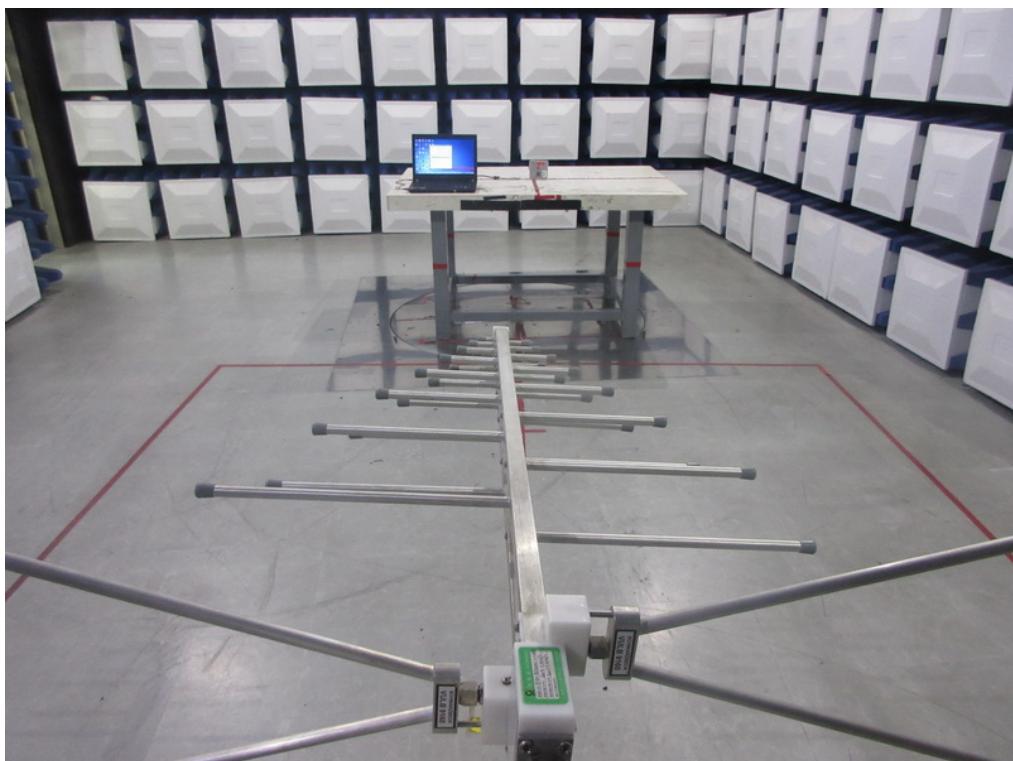
**Radiated Measurement Photos - Ant 4
1GHz to 18GHz**



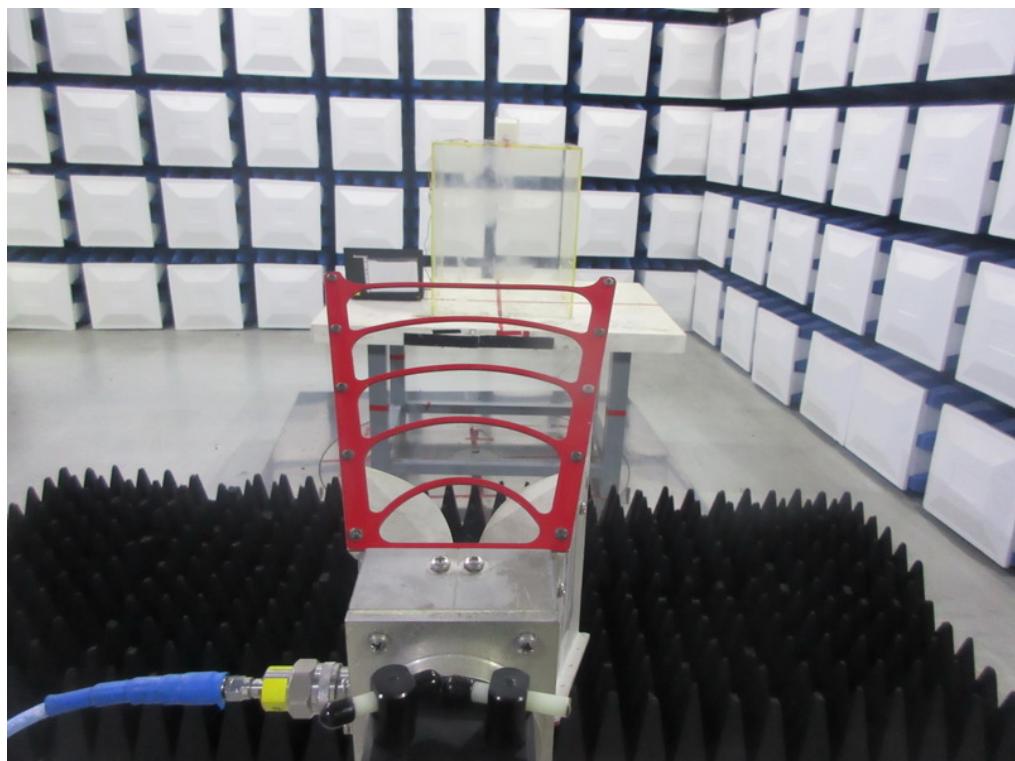
**Radiated Measurement Photos - Ant 4
Above 18GHz**



**Radiated Measurement Photos - Ant 5
30MHz to 1000MHz**



**Radiated Measurement Photos - Ant 5
1GHz to 18GHz**



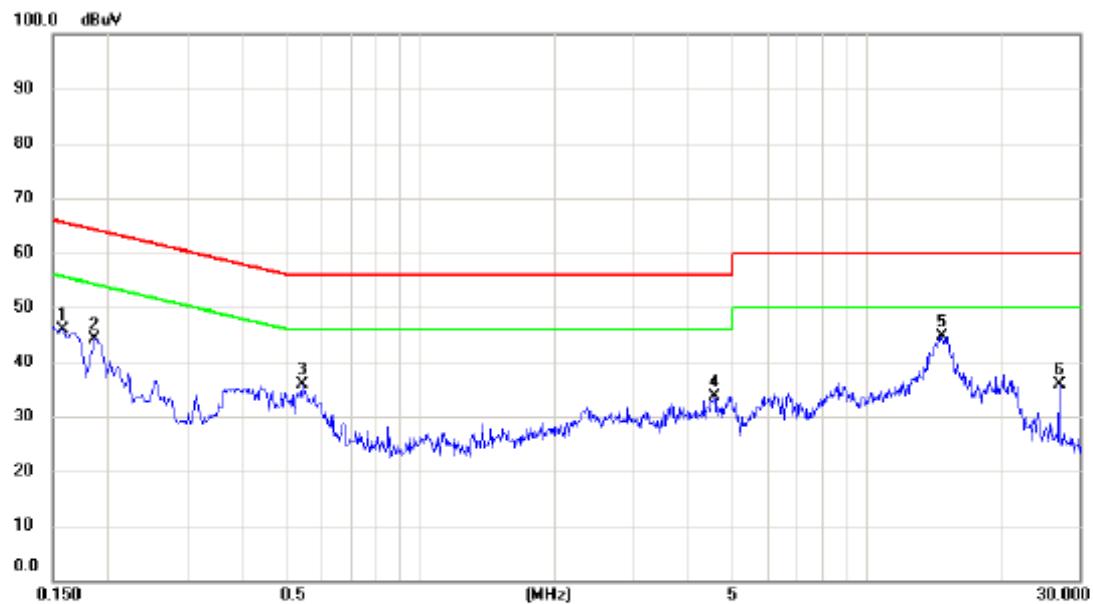
**Radiated Measurement Photos - Ant 5
Above 18GHz**



ATTACHMENT A - CONDUCTED EMISSION

Test Mode: TX Mode

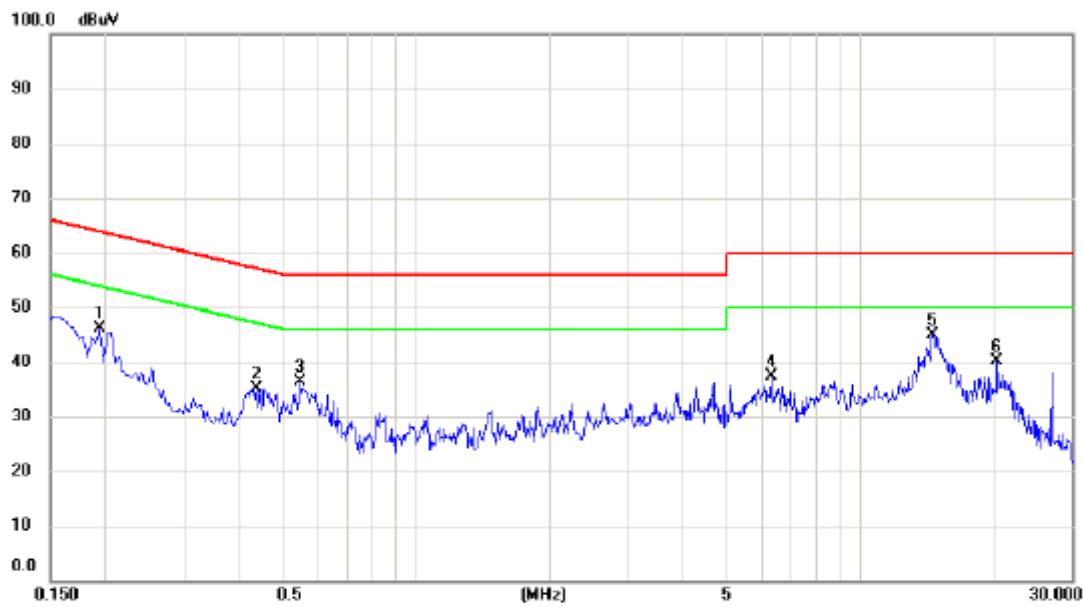
Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1580	36.38	9.52	45.90	65.57	-19.67	peak	
2		0.1860	34.59	9.53	44.12	64.21	-20.09	peak	
3		0.5460	26.28	9.64	35.92	56.00	-20.08	peak	
4		4.5500	23.58	10.08	33.66	56.00	-22.34	peak	
5	*	14.7220	34.35	10.35	44.70	60.00	-15.30	peak	
6		26.9980	25.38	10.39	35.77	60.00	-24.23	peak	

Test Mode: TX Mode

Neutral

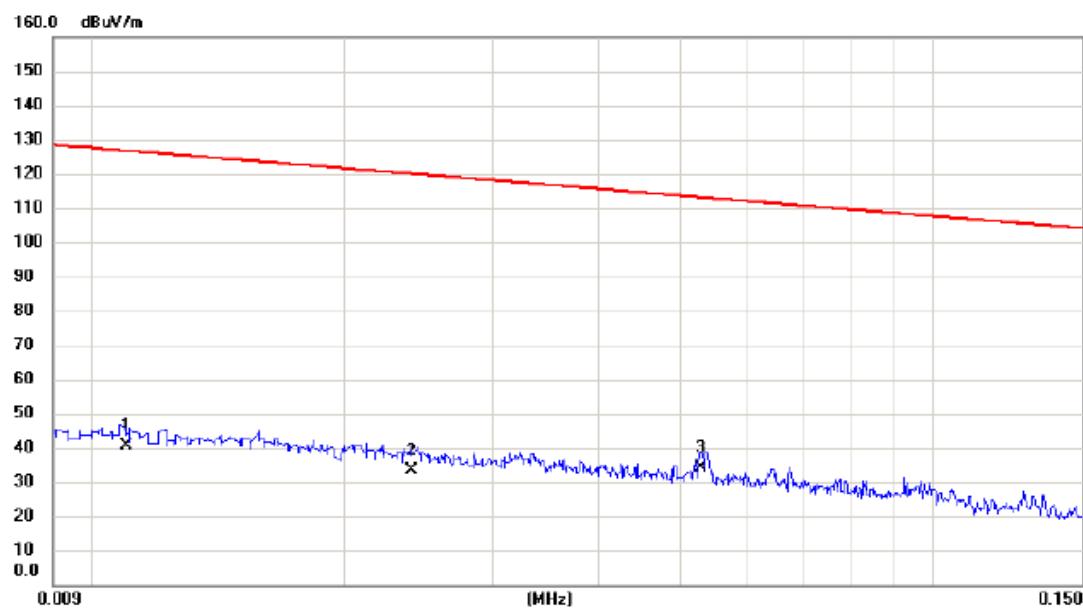


No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit dBuV	Margin dB	Detector	Comment
			dBuV	dB	dBuV				
1		0.1940	36.70	9.51	46.21	63.86	-17.65		peak
2		0.4380	25.62	9.44	35.06	57.10	-22.04		peak
3		0.5500	26.90	9.44	36.34	56.00	-19.66		peak
4		6.3020	27.48	9.96	37.44	60.00	-22.56		peak
5	*	14.5180	34.40	10.36	44.76	60.00	-15.24		peak
6		20.2940	29.53	10.50	40.03	60.00	-19.97		peak

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

Test Mode: TX Mode

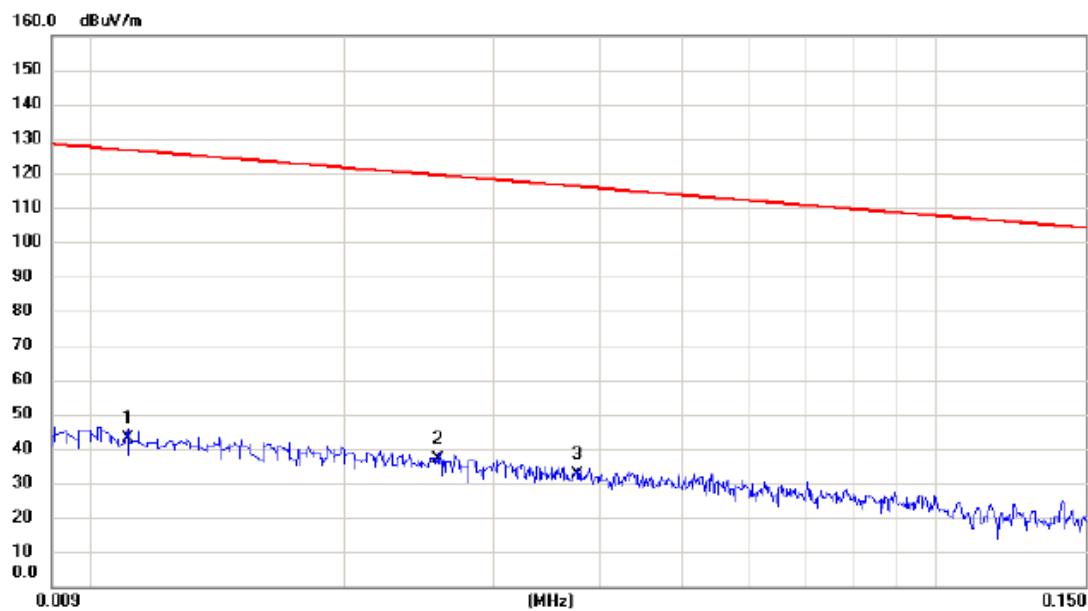
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dB	Margin	Detector	Comment
1		0.011	16.37	24.06	40.43	126.78	-86.35	AVG	
2		0.024	10.44	23.03	33.47	120.00	-86.53	AVG	
3 *		0.053	14.23	19.78	34.01	113.12	-79.11	AVG	

Test Mode: TX Mode

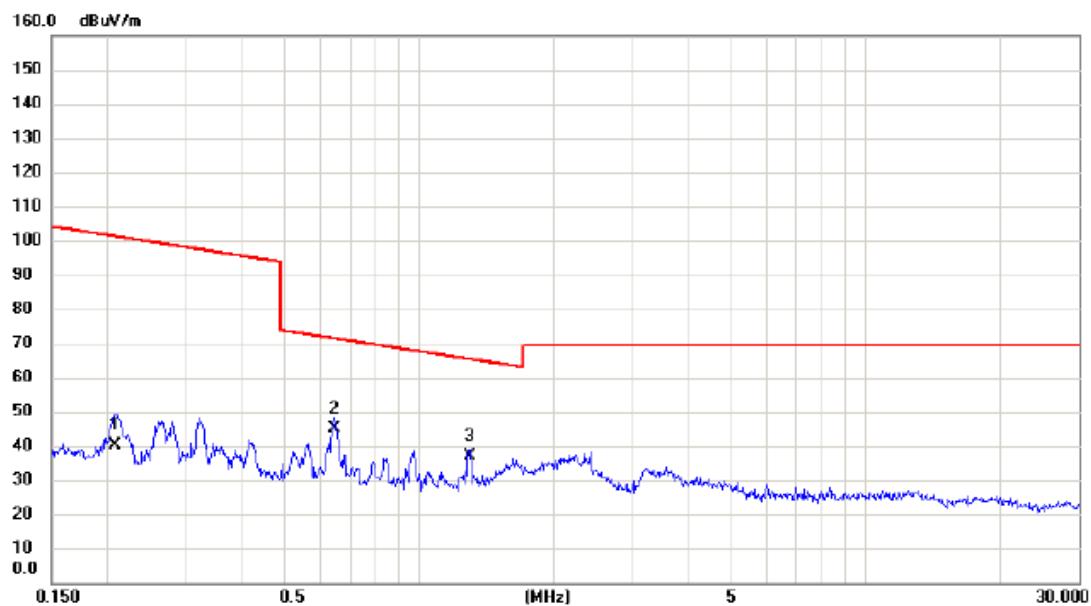
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Margin Detector	Comment
1		0.011	18.97	24.05	43.02	126.70	-83.68	AVG
2 *		0.026	14.22	22.80	37.02	119.37	-82.35	AVG
3		0.038	11.41	21.35	32.76	116.10	-83.34	AVG

Test Mode: TX Mode

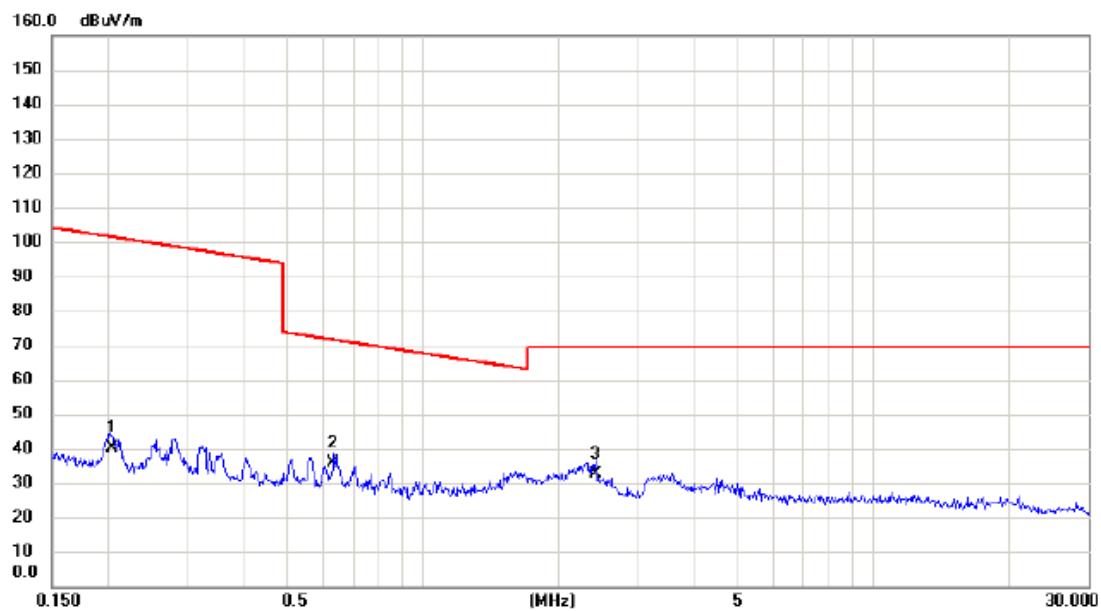
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Margin	Detector	Comment
1		0.208	21.70	18.68	40.38	101.23	-60.85	AVG	
2 *		0.647	26.70	18.43	45.13	71.38	-26.25	QP	
3		1.296	19.38	17.75	37.13	65.35	-28.22	QP	

Test Mode: TX Mode

Ant 90°

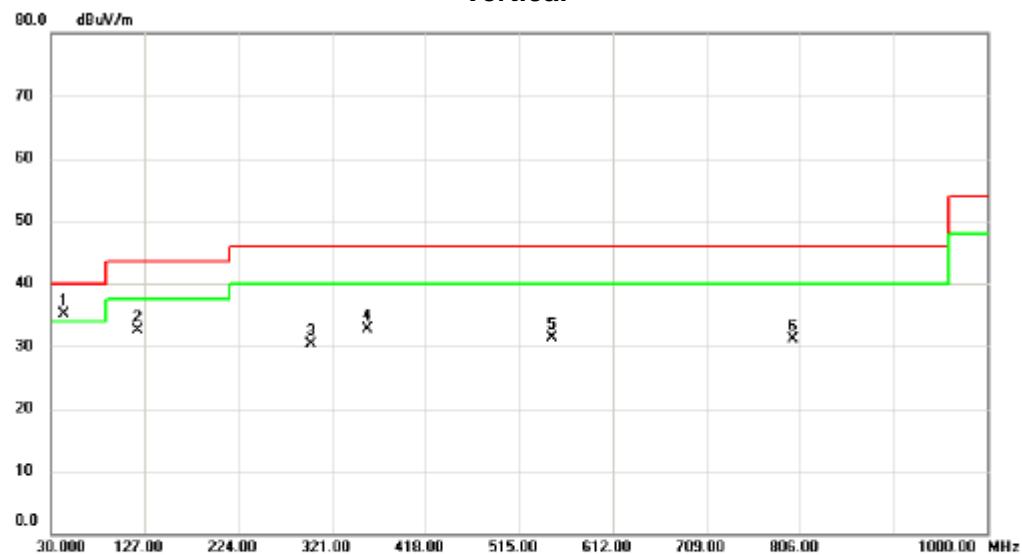


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Margin Detector	Comment
1		0.204	21.48	18.69	40.17	101.41	-61.24	AVG
2 *		0.634	17.24	18.42	35.66	71.56	-35.90	QP
3		2.422	15.13	17.37	32.50	69.54	-37.04	QP

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

Test Mode: TX 2402MHz -CH00 -1Mbps - Ant 1

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	44.0650	48.75	-11.70	35.05	40.00	-4.95	peak
2		120.2100	45.13	-12.57	32.56	43.50	-10.94	peak
3		299.1750	40.32	-9.94	30.38	46.00	-15.62	peak
4		357.3750	42.91	-10.24	32.67	46.00	-13.33	peak
5		548.9500	35.83	-4.50	31.33	46.00	-14.67	peak
6		799.2100	30.51	0.59	31.10	46.00	-14.90	peak

Test Mode: TX 2402MHz -CH00 -1Mbps - Ant 1

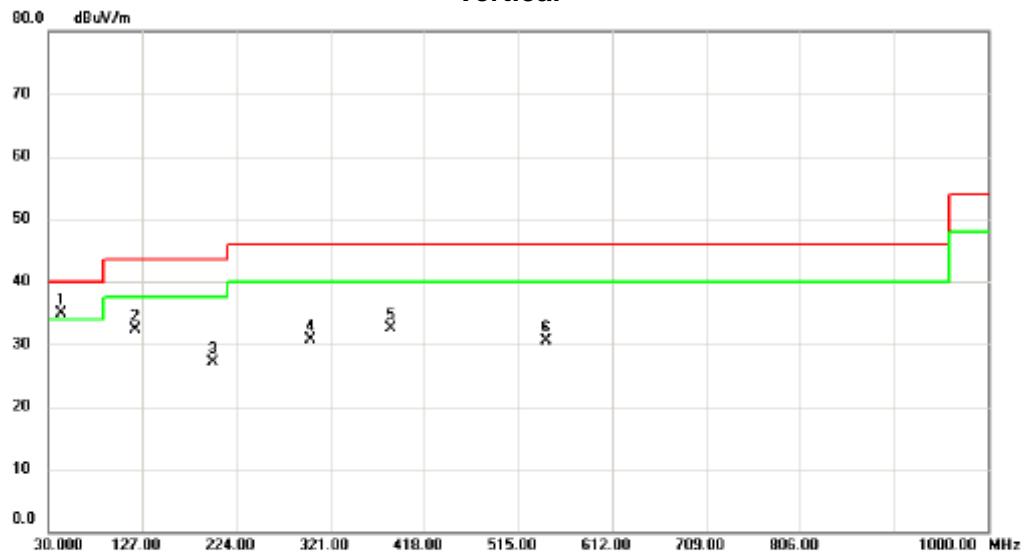
Horizontal



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
1		72.1950	39.53	-15.65	23.88	40.00	-16.12	peak	
2	*	120.2100	46.63	-12.57	34.06	43.50	-9.44	peak	
3		288.9900	43.29	-10.16	33.13	46.00	-12.87	peak	
4		382.1100	40.45	-8.48	31.97	46.00	-14.03	peak	
5		540.2200	39.28	-5.07	34.21	46.00	-11.79	peak	
6		710.9400	31.44	-0.70	30.74	46.00	-15.26	peak	

Test Mode: TX 2440MHz -CH19 -1Mbps - Ant 1

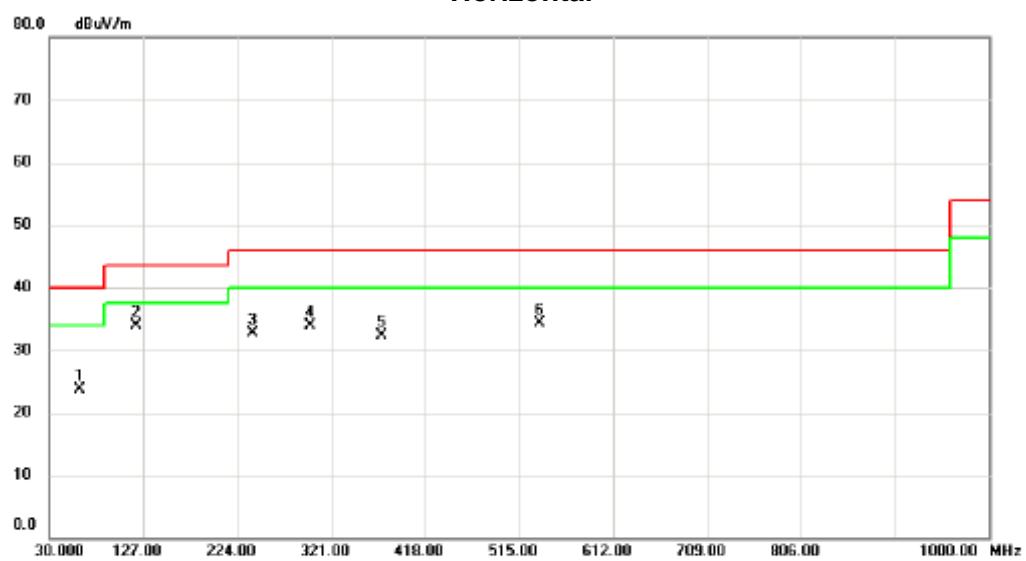
Vertical



No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Margin	Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	44.0650	46.60	-11.70	34.90	40.00	-5.10	peak	
2		120.2100	44.83	-12.57	32.26	43.50	-11.24	peak	
3		200.2350	40.81	-13.65	27.16	43.50	-16.34	peak	
4		300.6300	40.75	-9.95	30.80	46.00	-15.20	peak	
5		383.5650	40.82	-8.38	32.44	46.00	-13.58	peak	
6		544.1000	35.38	-4.81	30.57	46.00	-15.43	peak	

Test Mode: TX 2440MHz -CH19 -1Mbps - Ant 1

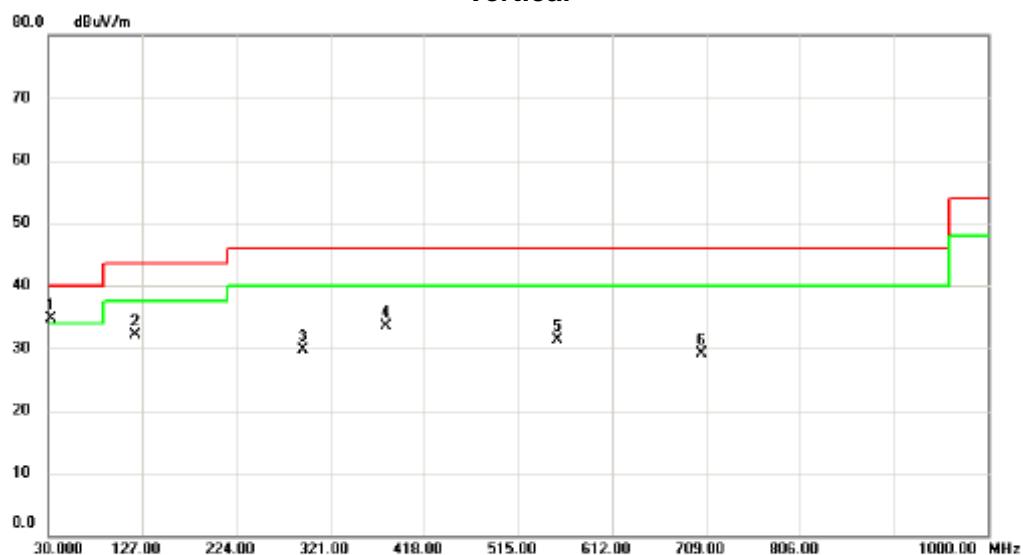
Horizontal



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
1		62.0100	37.72	-14.06	23.66	40.00	-16.34	peak	
2	*	120.2100	46.51	-12.57	33.94	43.50	-9.56	peak	
3		240.0050	46.17	-13.38	32.79	46.00	-13.21	peak	
4		299.6600	43.91	-9.94	33.97	46.00	-12.03	peak	
5		373.3800	41.34	-9.10	32.24	46.00	-13.76	peak	
6		535.8550	39.61	-5.35	34.26	46.00	-11.74	peak	

Test Mode: TX 2480MHz -CH39 -1Mbps - Ant 1

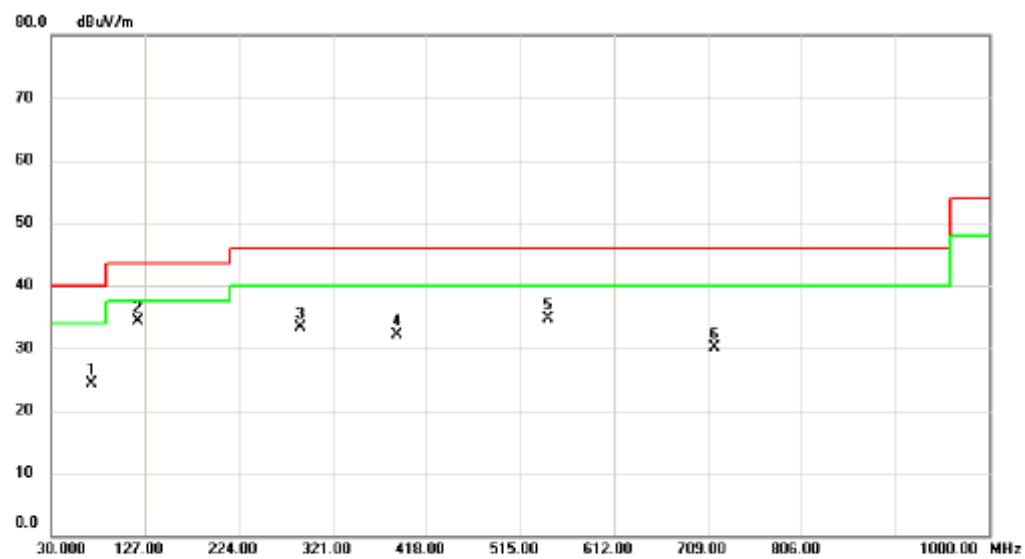
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	32.9100	48.16	-13.36	34.80	40.00	-5.20	peak
2		120.2100	44.62	-12.57	32.05	43.50	-11.45	peak
3		293.8400	39.68	-9.97	29.71	46.00	-16.29	peak
4		378.2300	42.18	-8.75	33.43	46.00	-12.57	peak
5		555.7400	35.88	-4.49	31.39	46.00	-14.61	peak
6		704.1500	29.79	-0.67	29.12	46.00	-16.88	peak

Test Mode: TX 2480MHz -CH39 -1Mbps - Ant 1

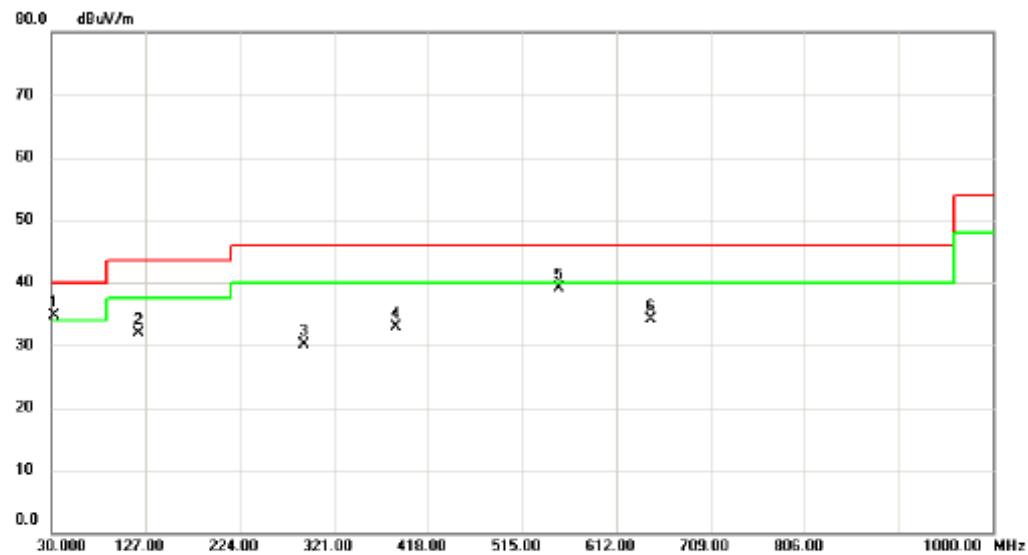
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1		72.1950	39.94	-15.65	24.29	40.00	-15.71	peak
2	*	120.2100	46.79	-12.57	34.22	43.50	-9.28	peak
3		288.5050	43.58	-10.24	33.34	46.00	-12.66	peak
4		387.9300	40.20	-8.06	32.14	46.00	-13.86	peak
5		544.1000	39.56	-4.81	34.75	46.00	-11.25	peak
6		716.2750	30.88	-0.72	30.16	46.00	-15.84	peak

Test Mode: TX 2402MHz -CH00 -1Mbps - Ant 2

Vertical



No.	Mk.	Freq. MHz	Reading	Correct	Measure-	Limit	Margin	Comment
			Level dBuV	Factor dB	ment dBuV/m			
1	*	32.9100	47.98	-13.36	34.62	40.00	-5.38	peak
2		120.2100	44.57	-12.57	32.00	43.50	-11.50	peak
3		290.4450	40.06	-9.98	30.08	46.00	-15.92	peak
4		385.5050	41.10	-8.24	32.86	46.00	-13.14	peak
5		552.8300	43.47	-4.46	39.01	46.00	-6.99	peak
6		647.8900	35.93	-1.82	34.11	46.00	-11.89	peak

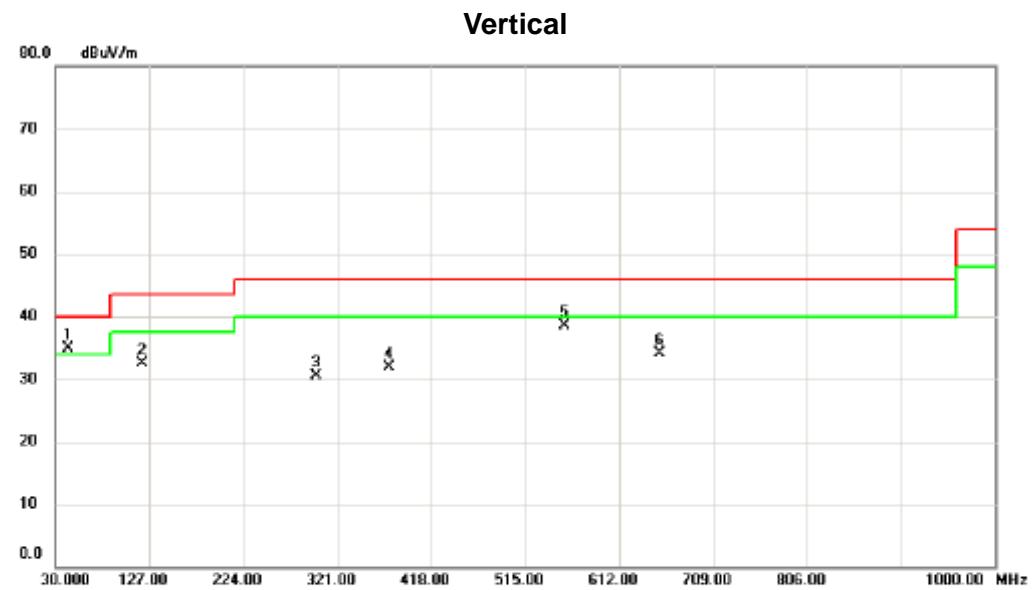
Test Mode: TX 2402MHz -CH00 -1Mbps - Ant 2

Horizontal



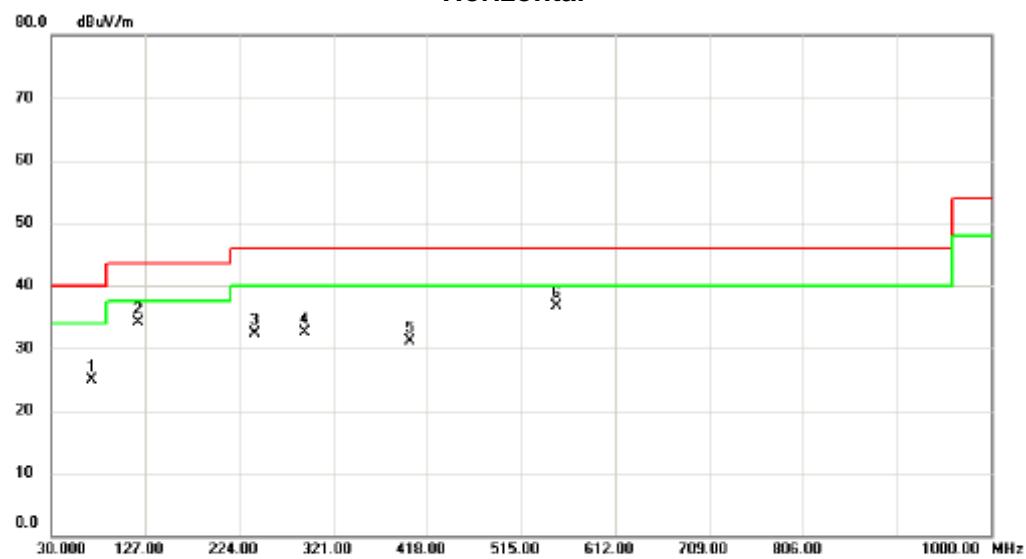
No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Margin	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB	
1		72.1950	40.42	-15.65	24.77	40.00	-15.23	peak
2	*	120.2100	47.06	-12.57	34.49	43.50	-9.01	peak
3		240.0050	47.12	-13.38	33.74	46.00	-12.26	peak
4		291.9000	43.32	-9.97	33.35	46.00	-12.65	peak
5		391.8100	39.50	-7.79	31.71	46.00	-14.29	peak
6		555.7400	40.64	-4.49	36.15	46.00	-9.85	peak

Test Mode: TX 2440MHz -CH19 -1Mbps - Ant 2



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Margin	Detector	Comment
1	*	44.0650	46.58	-11.70	34.88	40.00	-5.12	peak	
2		120.2100	45.05	-12.57	32.48	43.50	-11.02	peak	
3		300.1450	40.39	-9.94	30.45	46.00	-15.55	peak	
4		374.8350	40.82	-9.00	31.82	46.00	-14.18	peak	
5		555.2550	43.03	-4.48	38.55	46.00	-7.45	peak	
6		653.7100	35.80	-1.61	34.19	46.00	-11.81	peak	

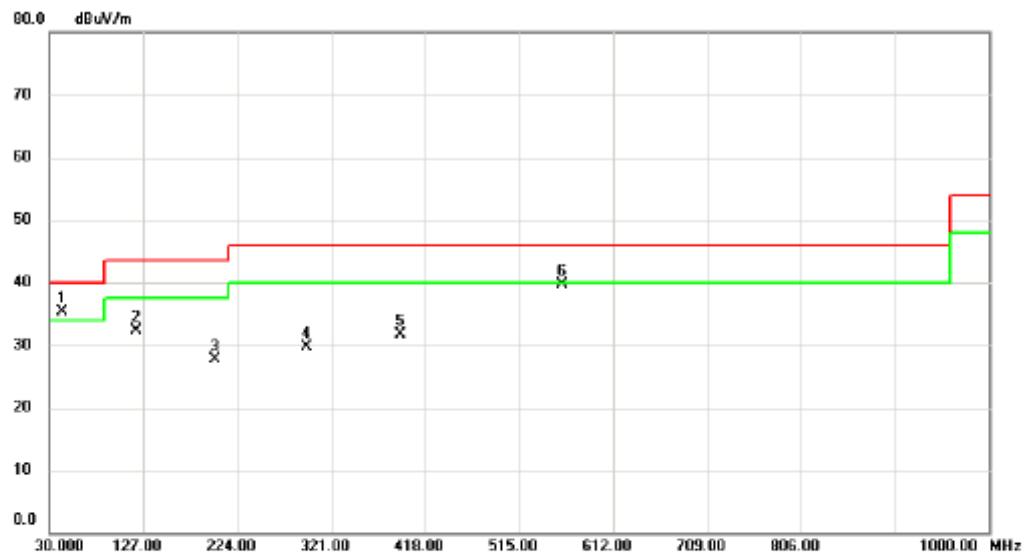
Test Mode: TX 2440MHz -CH19 -1Mbps - Ant 2

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		71.7100	40.52	-15.55	24.97	40.00	-15.03	peak	
2		120.2100	46.71	-12.57	34.14	43.50	-9.36	peak	
3		240.0050	45.61	-13.38	32.23	46.00	-13.77	peak	
4		291.4150	42.40	-9.98	32.42	46.00	-13.58	peak	
5		400.5400	38.37	-7.20	31.17	46.00	-14.83	peak	
6	*	551.8600	41.16	-4.46	36.70	46.00	-9.30	peak	

Test Mode: TX 2480MHz -CH39 -1Mbps - Ant 2

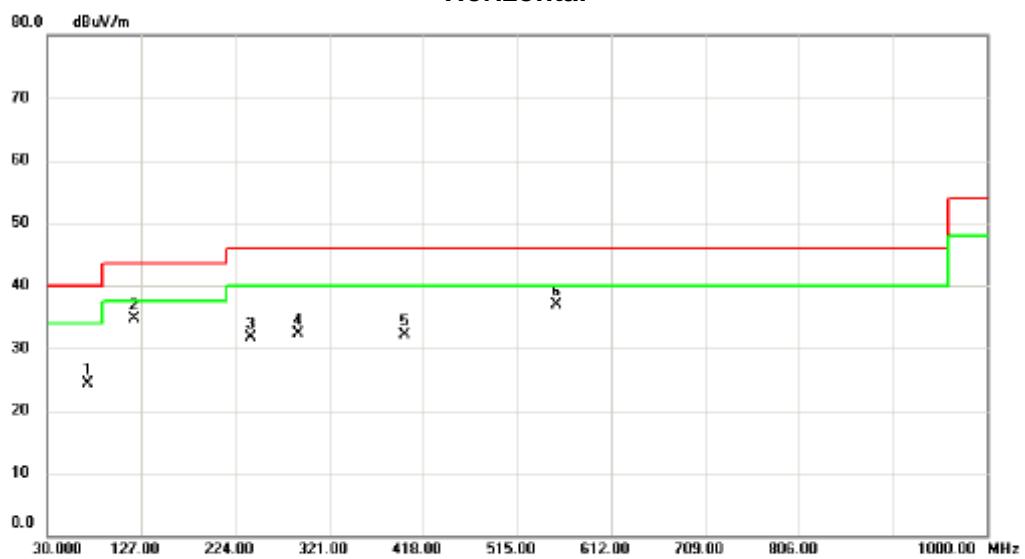
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	44.0650	46.97	-11.70	35.27	40.00	-4.73	peak
2		120.2100	44.80	-12.57	32.23	43.50	-11.27	peak
3		201.6900	41.51	-13.71	27.80	43.50	-15.70	peak
4		296.2650	39.63	-9.96	29.67	46.00	-16.33	peak
5		392.7800	39.40	-7.71	31.69	46.00	-14.31	peak
6		560.1050	44.18	-4.52	39.66	46.00	-6.34	peak

Test Mode: TX 2480MHz -CH39 -1Mbps - Ant 2

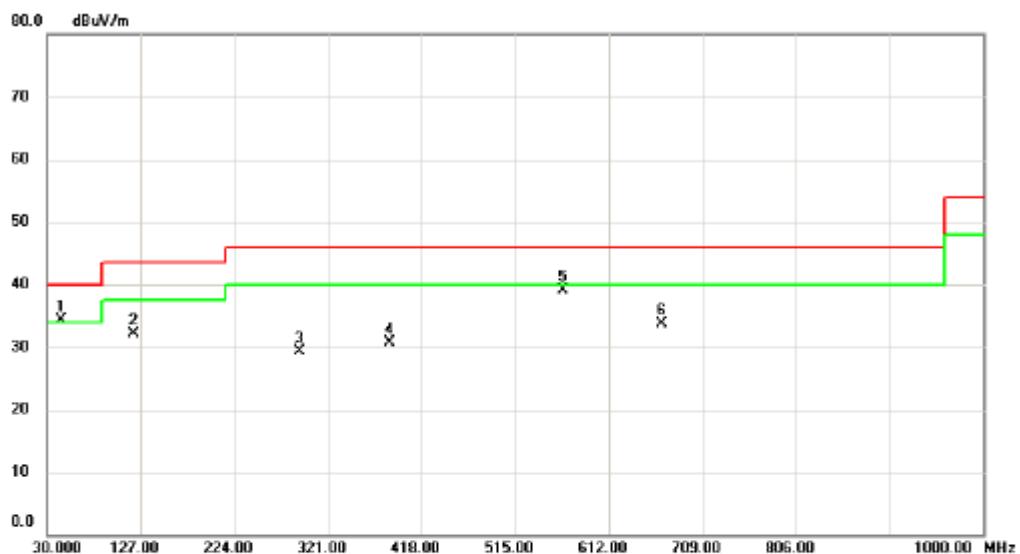
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Margin	Detector	Comment
1		72.1950	39.89	-15.65	24.24	40.00	-15.76	peak	
2	*	120.2100	47.19	-12.57	34.62	43.50	-8.88	peak	
3		240.0050	44.99	-13.38	31.61	46.00	-14.39	peak	
4		289.4750	42.34	-10.08	32.26	46.00	-13.74	peak	
5		399.5700	39.42	-7.23	32.19	46.00	-13.81	peak	
6		555.7400	41.41	-4.49	36.92	46.00	-9.08	peak	

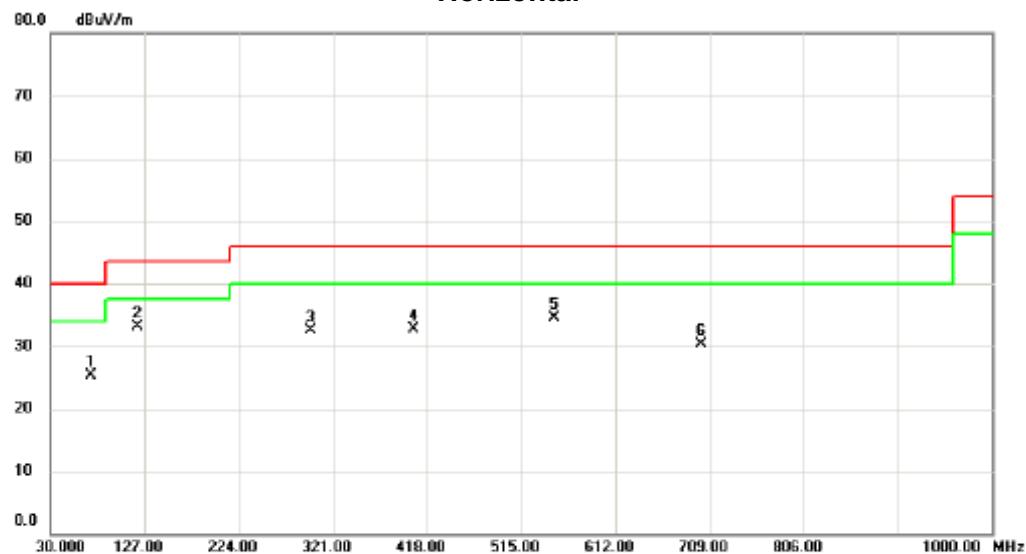
Test Mode: TX 2402MHz -CH00 -1Mbps - Ant 3

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	45.0350	46.15	-11.89	34.26	40.00	-5.74	peak	
2		120.2100	44.65	-12.57	32.08	43.50	-11.42	peak	
3		292.3850	39.26	-9.97	29.29	46.00	-16.71	peak	
4		384.5350	39.05	-8.31	30.74	46.00	-15.26	peak	
5		564.9550	43.63	-4.56	39.07	46.00	-6.93	peak	
6		667.2900	35.11	-1.33	33.78	46.00	-12.22	peak	

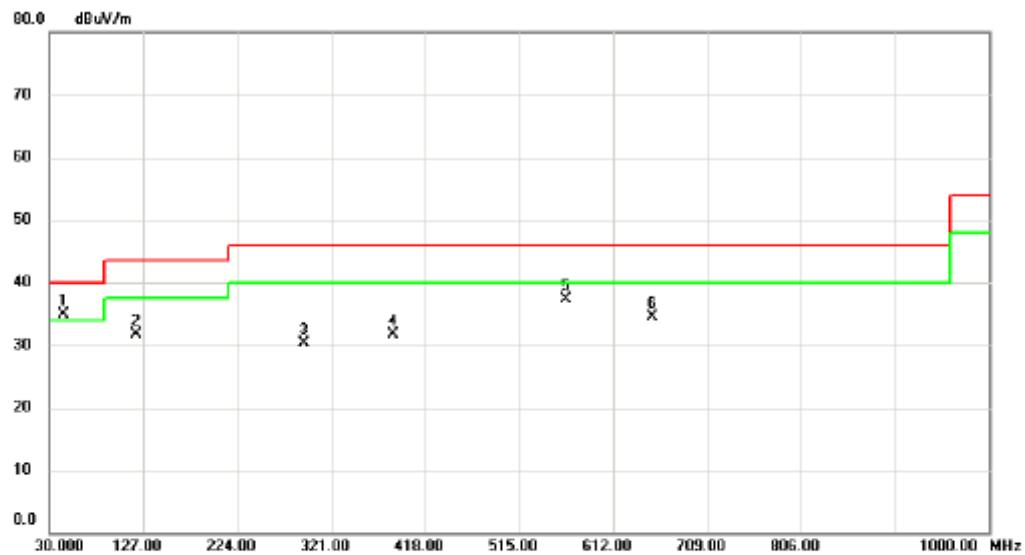
Test Mode: TX 2402MHz -CH00 -1Mbps - Ant 3

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		72.1950	40.91	-15.65	25.26	40.00	-14.74	peak	
2	*	120.2100	45.58	-12.57	33.01	43.50	-10.49	peak	
3		298.2050	42.43	-9.95	32.48	46.00	-13.52	peak	
4		403.9350	39.92	-7.19	32.73	46.00	-13.27	peak	
5		549.9200	38.92	-4.44	34.48	46.00	-11.52	peak	
6		700.2700	30.93	-0.65	30.28	46.00	-15.72	peak	

Test Mode: TX 2440MHz -CH19 -1Mbps - Ant 3

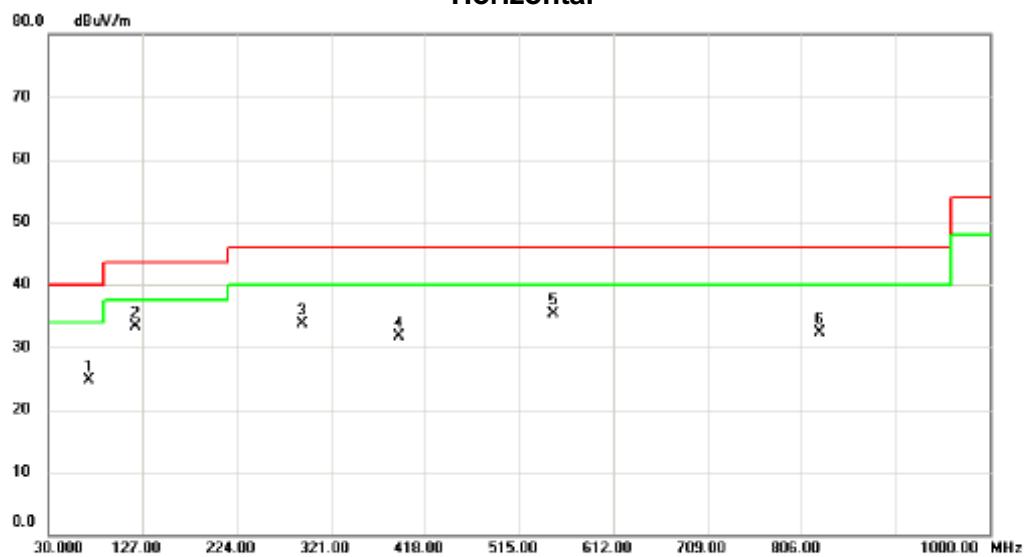
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	44.5500	46.66	-11.79	34.87	40.00	-5.13	peak	
2		120.2100	44.33	-12.57	31.76	43.50	-11.74	peak	
3		292.8700	40.26	-9.97	30.29	46.00	-15.71	peak	
4		384.5350	40.06	-8.31	31.75	46.00	-14.25	peak	
5		563.9850	41.85	-4.55	37.30	46.00	-8.70	peak	
6		653.2250	36.21	-1.62	34.59	46.00	-11.41	peak	

Test Mode: TX 2440MHz -CH19 -1Mbps - Ant 3

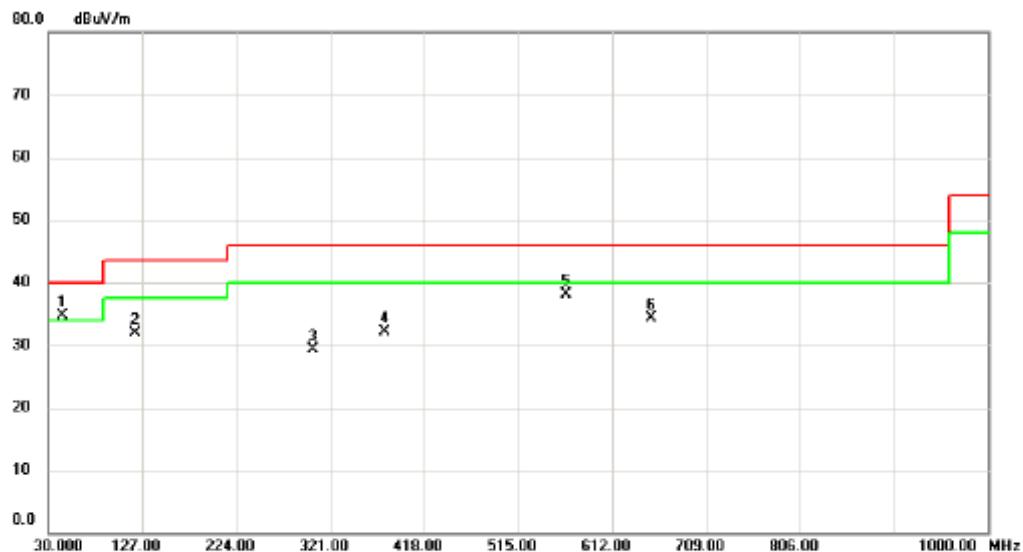
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		72.1950	40.34	-15.65	24.69	40.00	-15.31	peak
2	*	120.2100	45.82	-12.57	33.25	43.50	-10.25	peak
3		291.4150	43.68	-9.98	33.70	46.00	-12.30	peak
4		391.8100	39.50	-7.79	31.71	46.00	-14.29	peak
5		550.8900	39.84	-4.45	35.39	46.00	-10.61	peak
6		824.4300	31.68	0.60	32.28	46.00	-13.72	peak

Test Mode: TX 2480MHz -CH39 -1Mbps - Ant 3

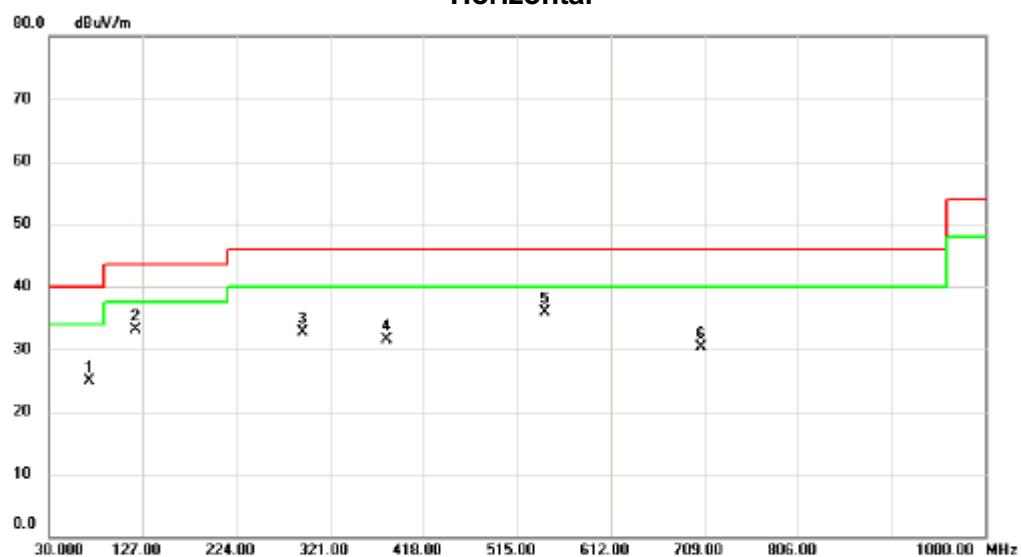
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	44.5500	46.44	-11.79	34.65	40.00	-5.35	peak
2		120.2100	44.57	-12.57	32.00	43.50	-11.50	peak
3		303.0550	39.20	-9.99	29.21	46.00	-16.79	peak
4		377.7450	40.94	-8.79	32.15	46.00	-13.85	peak
5		564.9550	42.58	-4.56	38.02	46.00	-7.98	peak
6		652.2550	35.90	-1.64	34.26	46.00	-11.74	peak

Test Mode: TX 2480MHz -CH39 -1Mbps - Ant 3

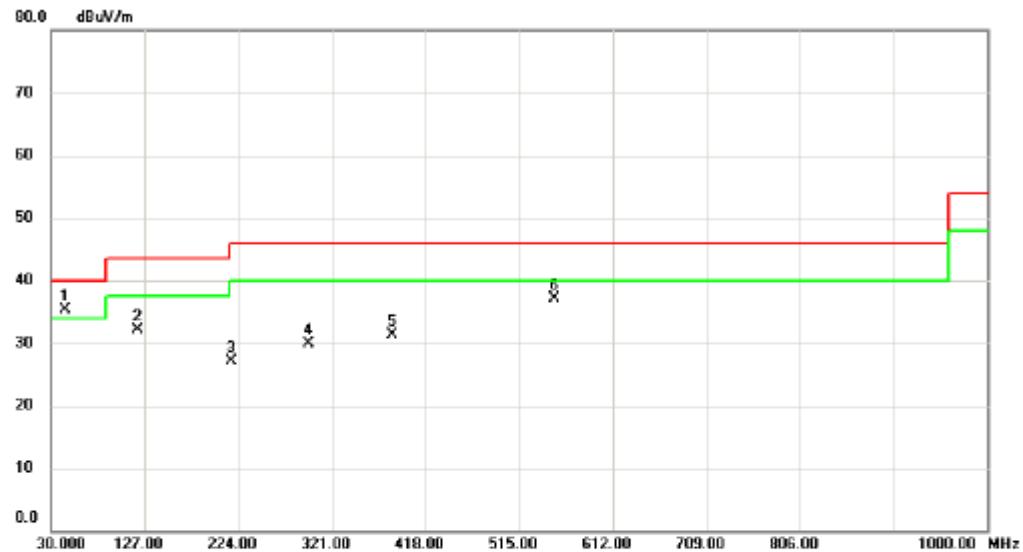
Horizontal



No.	Mk.	Freq. MHz	Reading	Correct	Measure-	Limit	Margin
			Level dBuV	Factor dB	ment dBuV/m		
1		72.1950	40.56	-15.65	24.91	40.00	-15.09 peak
2		120.2100	45.66	-12.57	33.09	43.50	-10.41 peak
3		203.8400	42.62	-9.97	32.65	46.00	-13.35 peak
4		379.6850	40.09	-8.65	31.44	46.00	-14.56 peak
5 *		544.1000	40.76	-4.81	35.95	46.00	-10.05 peak
6		705.6050	30.90	-0.67	30.23	46.00	-15.77 peak

Test Mode: TX 2402MHz -CH00 -1Mbps - Ant 4

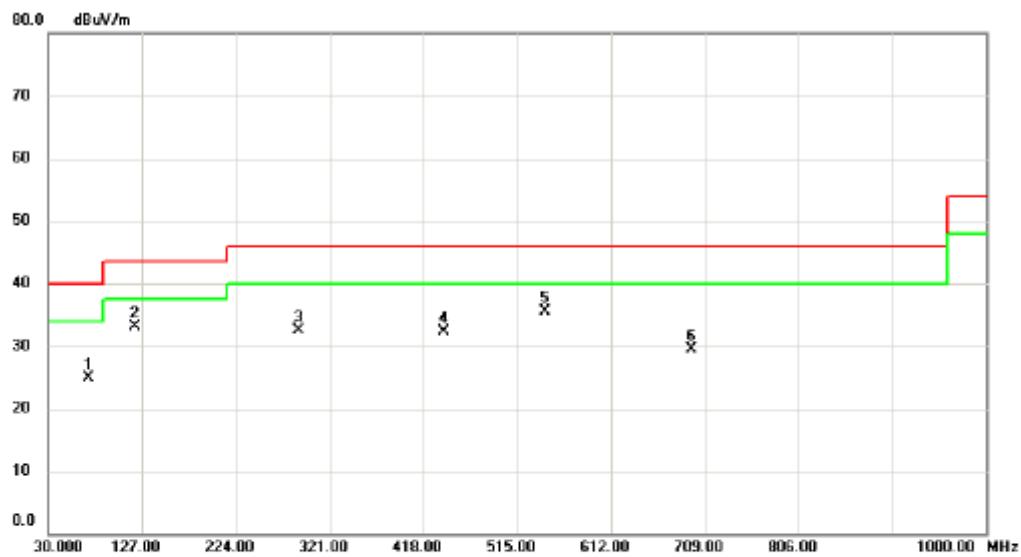
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	44.5500	47.00	-11.79	35.21	40.00	-4.79	peak	
2		120.2100	44.75	-12.57	32.18	43.50	-11.32	peak	
3		216.2400	41.10	-14.01	27.09	46.00	-18.91	peak	
4		297.2350	39.90	-9.95	29.95	46.00	-16.05	peak	
5		383.5650	39.75	-8.38	31.37	46.00	-14.63	peak	
6		551.8600	41.61	-4.46	37.15	46.00	-8.85	peak	

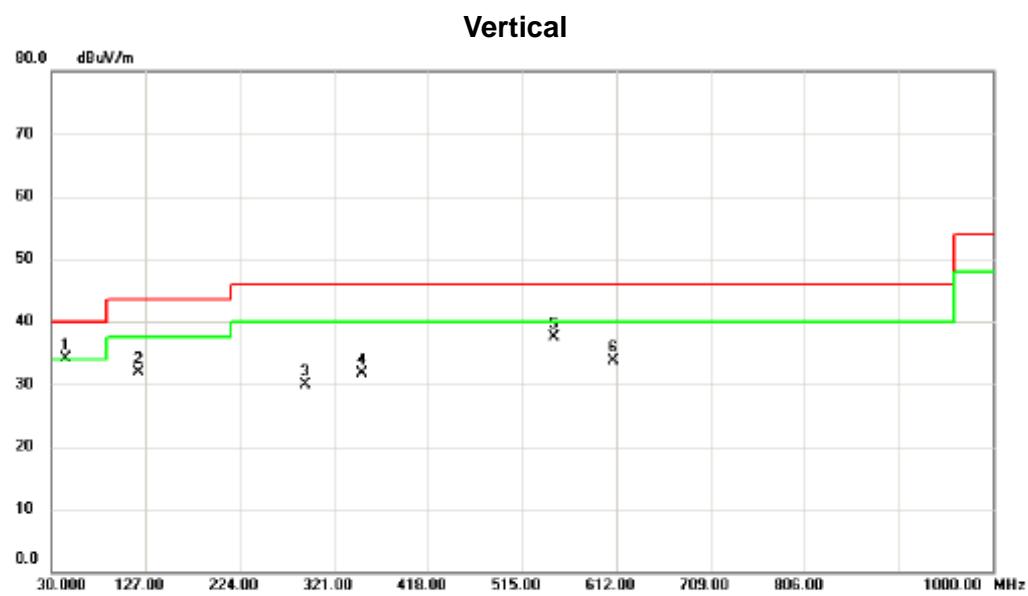
Test Mode: TX 2402MHz -CH00 -1Mbps - Ant 4

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		72.1950	40.62	-15.65	24.97	40.00	-15.03	peak	
2		120.2100	45.66	-12.57	33.09	43.50	-10.41	peak	
3		289.9600	42.57	-9.99	32.58	46.00	-13.42	peak	
4		439.8250	39.40	-7.10	32.30	46.00	-13.70	peak	
5	*	544.1000	40.41	-4.81	35.60	46.00	-10.40	peak	
6		695.4200	30.15	-0.74	29.41	46.00	-16.59	peak	

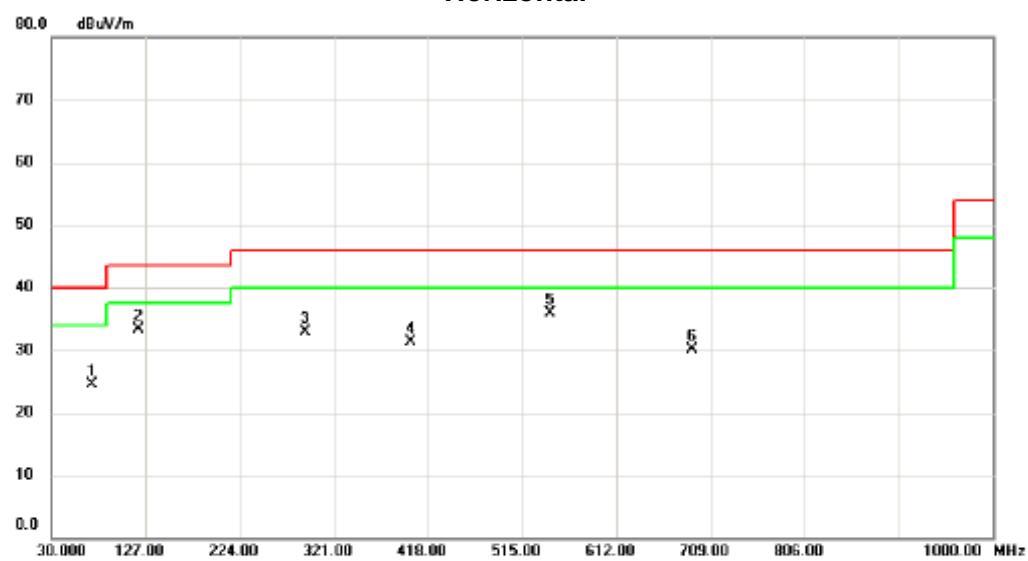
Test Mode: TX 2440MHz -CH19 -1Mbps - Ant 4



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	44.5500	45.87	-11.79	34.08	40.00	-5.92	peak	
2		120.2100	44.47	-12.57	31.90	43.50	-11.60	peak	
3		292.3850	39.88	-9.97	29.91	46.00	-16.09	peak	
4		350.1000	42.54	-10.76	31.78	46.00	-14.22	peak	
5		547.9800	42.13	-4.57	37.56	46.00	-8.44	peak	
6		608.1200	38.01	-4.33	33.68	46.00	-12.32	peak	

Test Mode: TX 2440MHz -CH19 -1Mbps - Ant 4

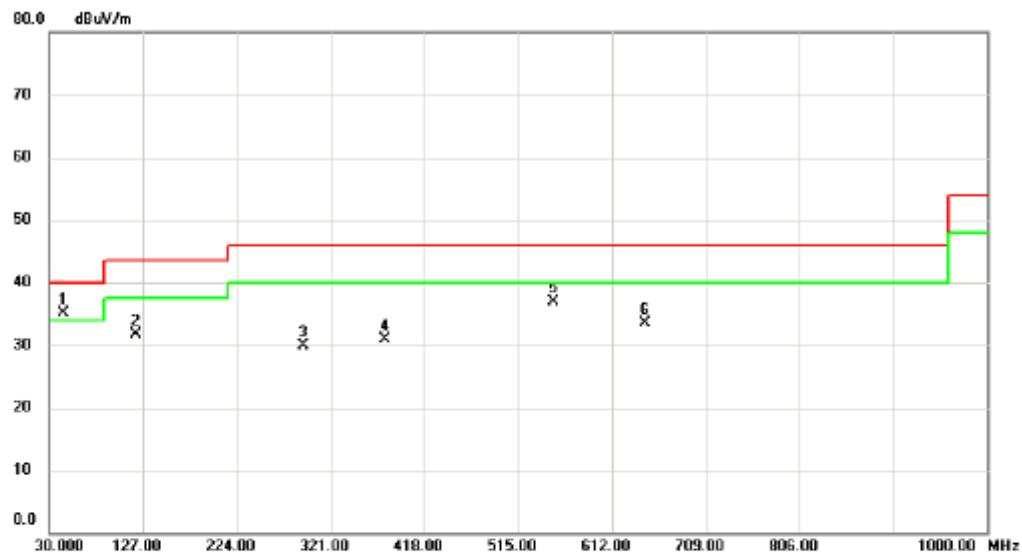
Horizontal



No.	Mk.	Freq. MHz	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level dBuV	Factor dB	m dBuV/m				
1		72.1950	40.22	-15.65	24.57	40.00	-15.43	peak	
2		120.2100	45.88	-12.57	33.31	43.50	-10.19	peak	
3		292.3850	42.90	-9.97	32.93	46.00	-13.07	peak	
4		400.0550	38.54	-7.20	31.34	46.00	-14.66	peak	
5	*	544.1000	40.78	-4.81	35.97	46.00	-10.03	peak	
6		690.5700	31.00	-0.85	30.15	46.00	-15.85	peak	

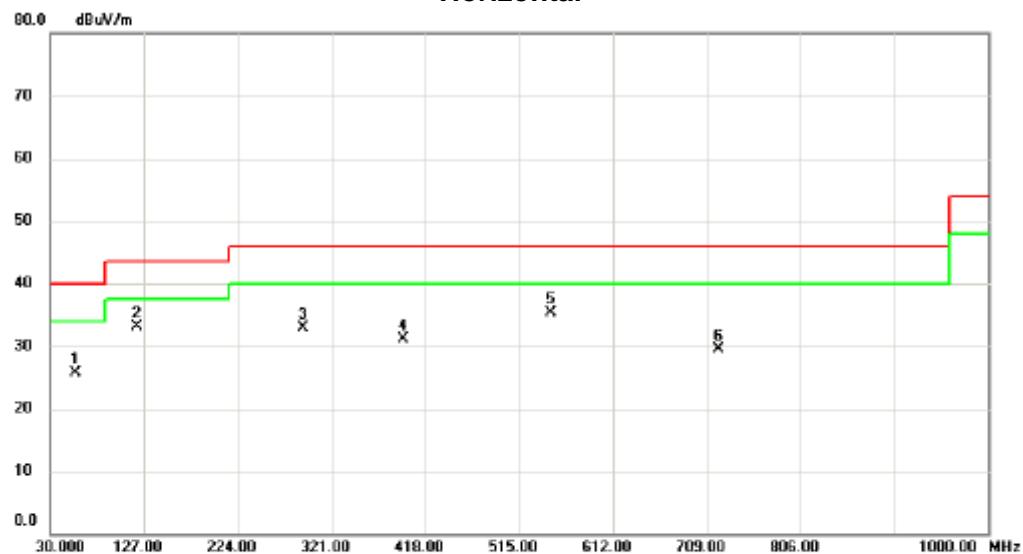
Test Mode: TX 2480MHz -CH39 -1Mbps - Ant 4

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	45.0350	47.07	-11.89	35.18	40.00	-4.82	peak
2		120.2100	44.18	-12.57	31.81	43.50	-11.89	peak
3		292.8700	39.95	-9.97	29.98	46.00	-16.02	peak
4		376.7750	39.76	-8.86	30.90	46.00	-15.10	peak
5		552.3450	41.29	-4.46	36.83	46.00	-9.17	peak
6		646.4350	35.50	-1.92	33.58	46.00	-12.42	peak

Test Mode: TX 2480MHz -CH39 -1Mbps - Ant 4

Horizontal

No.	Mk.	Freq. MHz	Reading	Correct	Measure-	Limit	Margin	Comment
			Level dBuV	Factor dB	m			
1		56.6750	38.29	-12.62	25.67	40.00	-14.33	peak
2	*	120.2100	45.68	-12.57	33.11	43.50	-10.39	peak
3		292.3850	42.79	-9.97	32.82	46.00	-13.18	peak
4		395.6900	38.61	-7.51	31.10	46.00	-14.90	peak
5		547.9800	39.92	-4.57	35.35	46.00	-10.65	peak
6		721.1250	30.19	-0.74	29.45	46.00	-16.55	peak

Test Mode: TX 2402MHz -CH00 -1Mbps - Ant 5

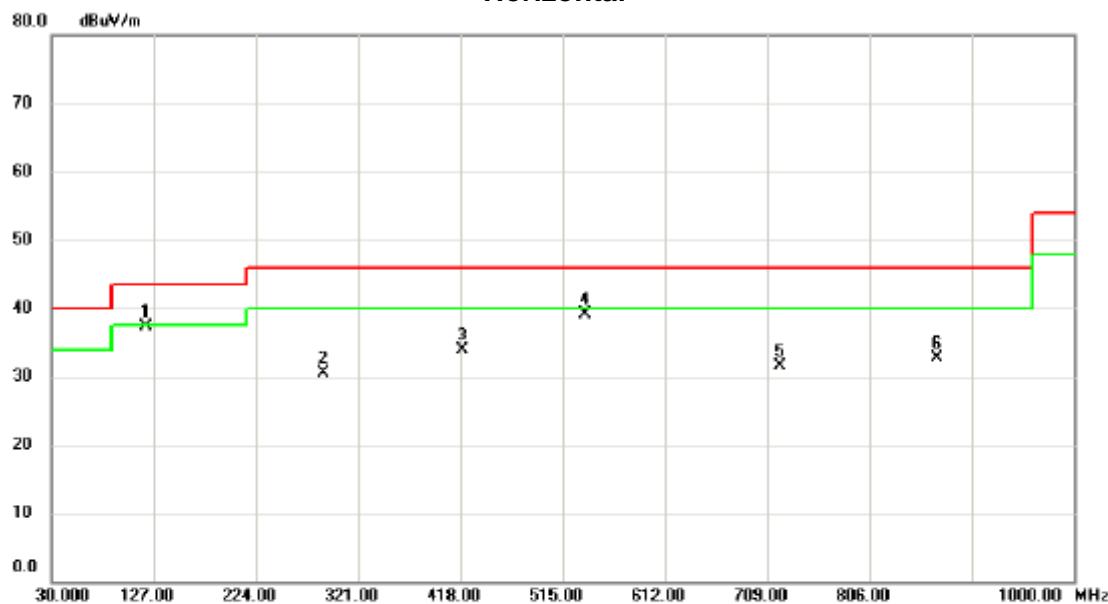
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		72.1950	39.61	-15.65	23.96	40.00	-16.04		peak
2	*	120.2100	48.97	-12.57	36.40	43.50	-7.10		peak
3		290.9300	39.87	-9.98	29.89	46.00	-16.11		peak
4		407.8150	40.93	-7.19	33.74	46.00	-12.26		peak
5		547.9800	41.96	-4.57	37.39	46.00	-8.61		peak
6		704.1500	36.65	-0.67	35.98	46.00	-10.02		peak

Test Mode: TX 2402MHz -CH00 -1Mbps - Ant 5

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment Limit dBuV/m	Margin dB	Detector	Comment
1	*	120.2100	49.92	-12.57	37.35	43.50	-6.15	peak
2		288.0200	40.87	-10.33	30.54	46.00	-15.46	peak
3		419.9400	41.15	-7.15	34.00	46.00	-12.00	peak
4		535.8550	44.38	-5.35	39.03	46.00	-6.97	peak
5		720.6400	32.35	-0.75	31.60	46.00	-14.40	peak
6		870.5050	31.59	1.04	32.63	46.00	-13.37	peak

Test Mode: TX 2440MHz -CH19 -1Mbps - Ant 5

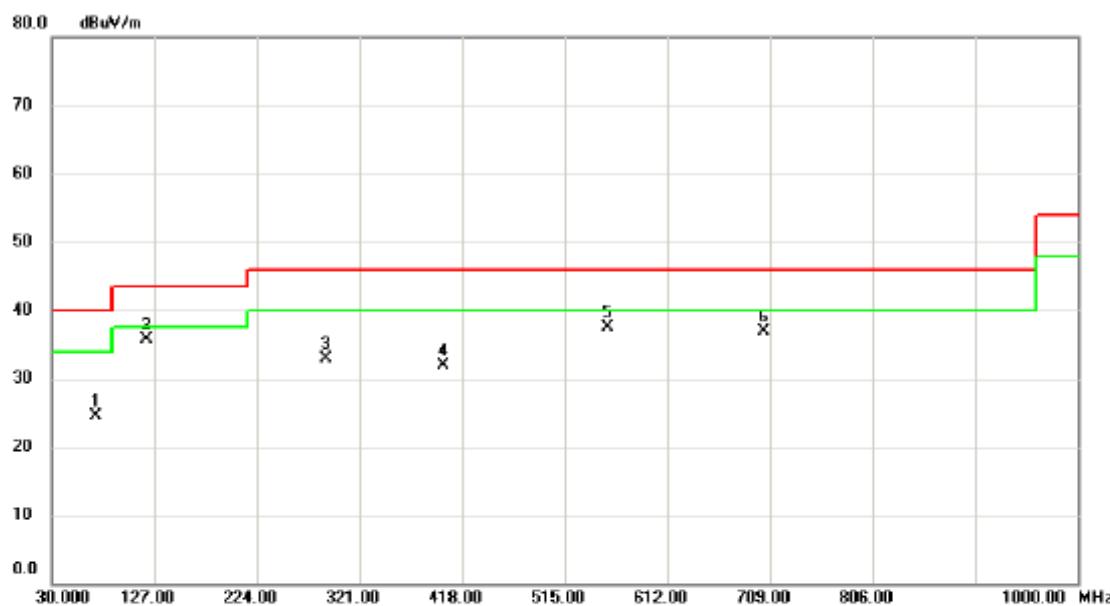
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Margin Detector	Comment
1		120.2100	46.06	-12.57	33.49	43.50	-10.01	peak
2		291.9000	39.09	-9.97	29.12	46.00	-16.88	peak
3		374.3500	39.55	-9.03	30.52	46.00	-15.48	peak
4		444.6750	38.39	-7.09	31.30	46.00	-14.70	peak
5		554.2850	38.98	-4.47	34.51	46.00	-11.49	peak
6	*	698.3300	37.33	-0.69	36.64	46.00	-9.36	peak

Test Mode: TX 2440MHz -CH19 -1Mbps - Ant 5

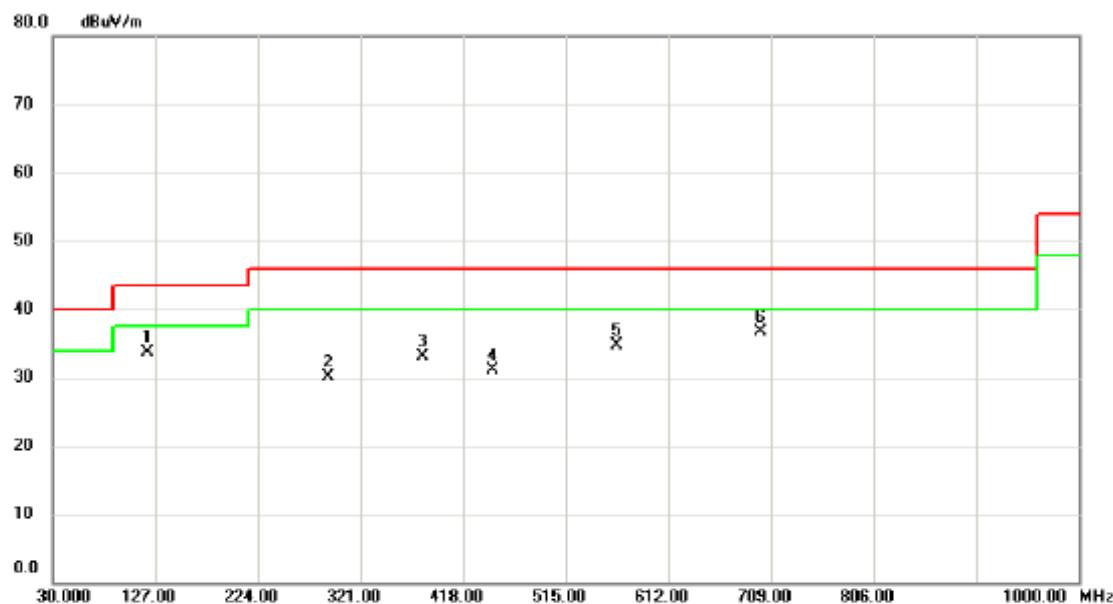
Horizontal



No.	Mk.	Reading		Correct Factor	Measure- ment	Limit	Margin	Detector	Comment
		MHz	dBuV						
1	72.1950	40.21	-15.65	24.56	40.00	-15.44	peak		
2 *	120.2100	48.19	-12.57	35.62	43.50	-7.88	peak		
3	288.9900	43.05	-10.16	32.89	46.00	-13.11	peak		
4	401.0250	39.11	-7.20	31.91	46.00	-14.09	peak		
5	556.2250	41.98	-4.49	37.49	46.00	-8.51	peak		
6	703.1800	37.62	-0.67	36.95	46.00	-9.05	peak		

Test Mode: TX 2480MHz -CH39 -1Mbps - Ant 5

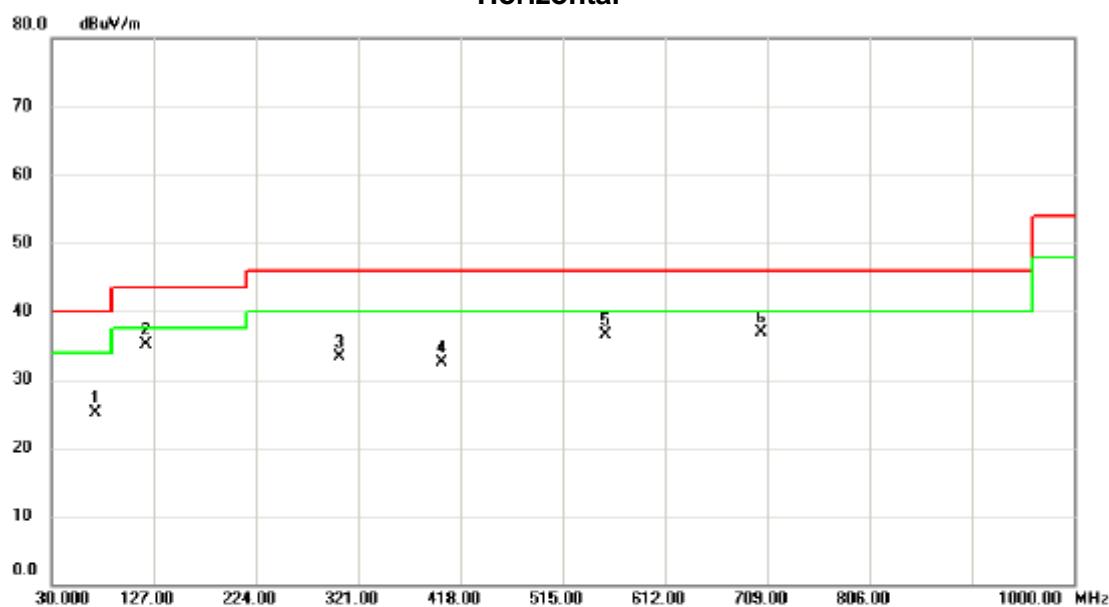
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		120.2100	46.20	-12.57	33.63	43.50	-9.87	peak	
2		290.9300	39.99	-9.98	30.01	46.00	-15.99	peak	
3		380.1700	41.67	-8.62	33.05	46.00	-12.95	peak	
4		445.1600	38.21	-7.08	31.13	46.00	-14.87	peak	
5		563.9850	39.18	-4.55	34.63	46.00	-11.37	peak	
6	*	699.7850	37.34	-0.65	36.69	46.00	-9.31	peak	

Test Mode: TX 2480MHz -CH39 -1Mbps - Ant 5

Horizontal



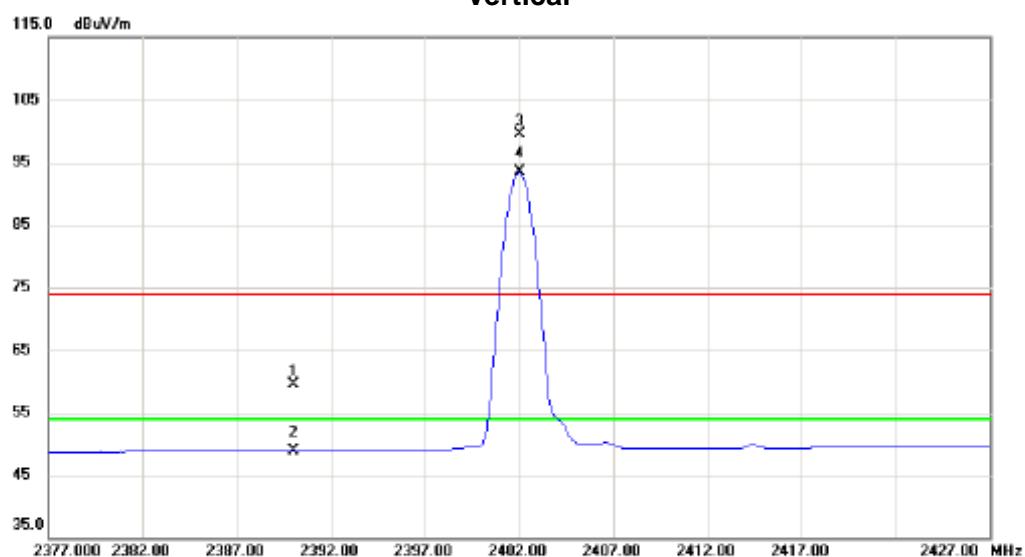
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	
			Level	Factor	ment			
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1		72.1950	40.71	-15.65	25.06	40.00	-14.94	peak
2 *		120.2100	47.69	-12.57	35.12	43.50	-8.38	peak
3		303.0550	43.39	-9.99	33.40	46.00	-12.60	peak
4		401.0250	39.61	-7.20	32.41	46.00	-13.59	peak
5		556.2250	40.98	-4.49	36.49	46.00	-9.51	peak
6		703.1800	37.62	-0.67	36.95	46.00	-9.05	peak

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps - Ant 1

Vertical

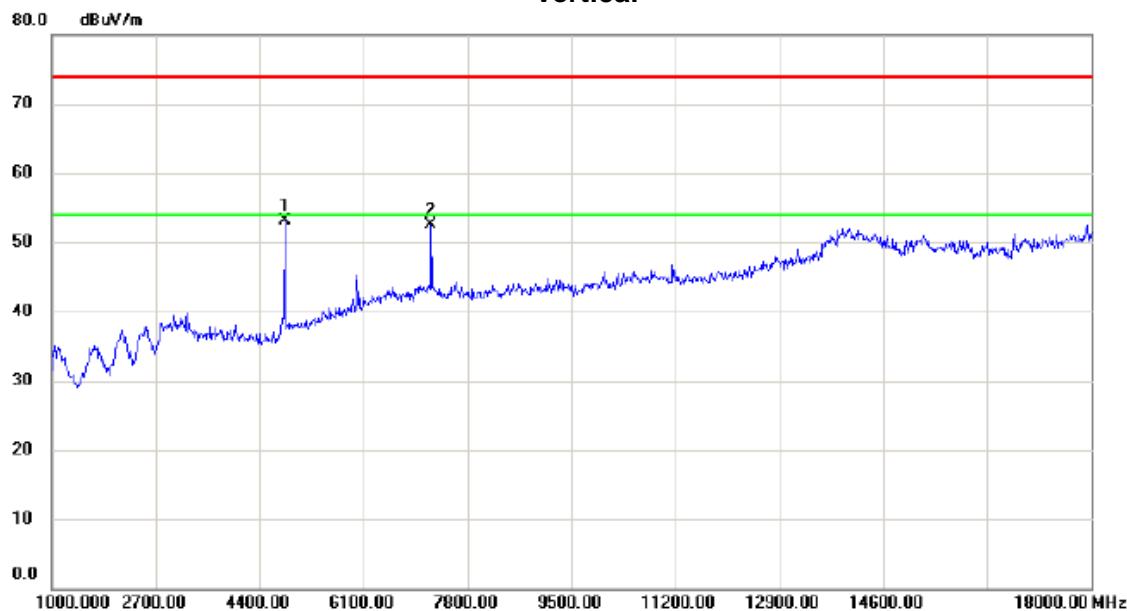


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	25.06	33.87	59.53	74.00	-14.47	peak	
2		2390.000	15.07	33.87	48.94	54.00	-5.06	Avg	
3	X	2402.000	65.52	33.95	99.47	74.00	25.47	peak	No Limit
4	*	2402.000	59.53	33.95	93.48	54.00	39.48	Avg	No Limit

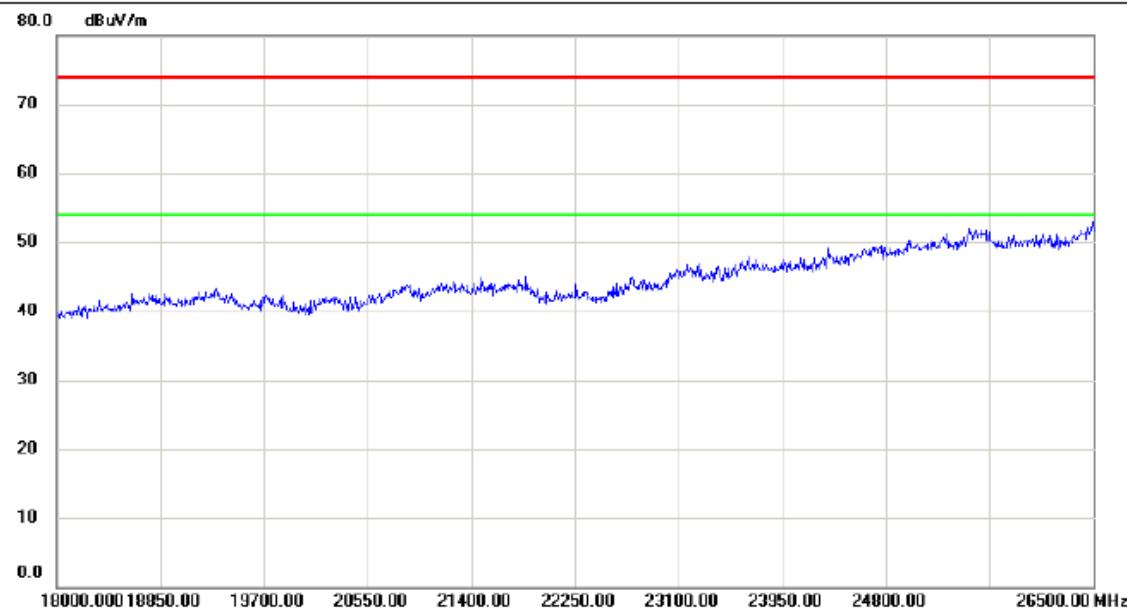
Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps - Ant 1

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	4808.000	48.34	4.78	53.12	74.00	-20.88	peak
2		7205.000	41.38	11.16	52.54	74.00	-21.46	peak

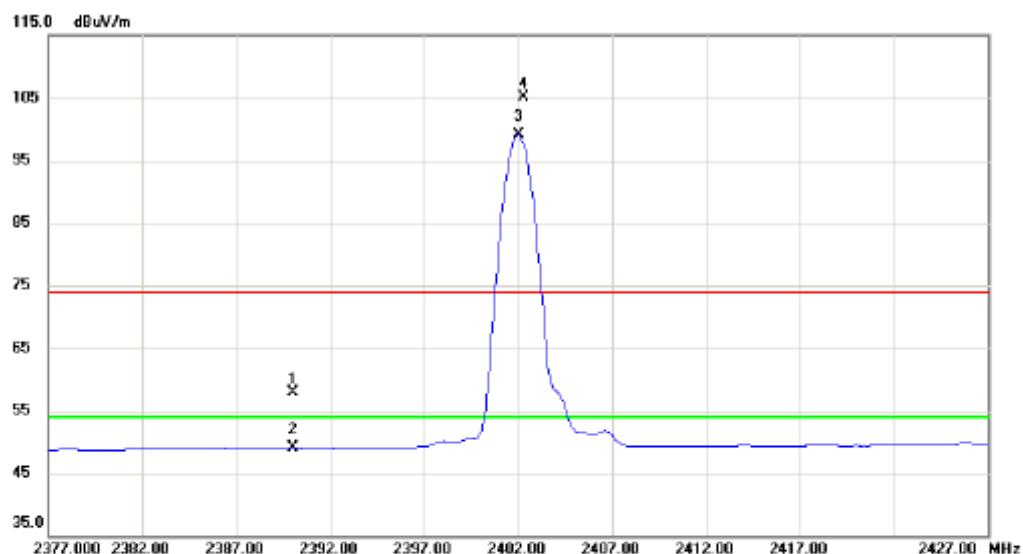


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps - Ant 1

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1		2390.000	23.95	33.87	57.82	74.00	-16.18	peak
2		2390.000	15.15	33.87	49.02	54.00	-4.98	AVG
3	*	2402.000	65.19	33.95	99.14	54.00	45.14	AVG No Limit
4	X	2402.275	71.18	33.95	105.13	74.00	31.13	peak No Limit

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps - Ant 1

Horizontal

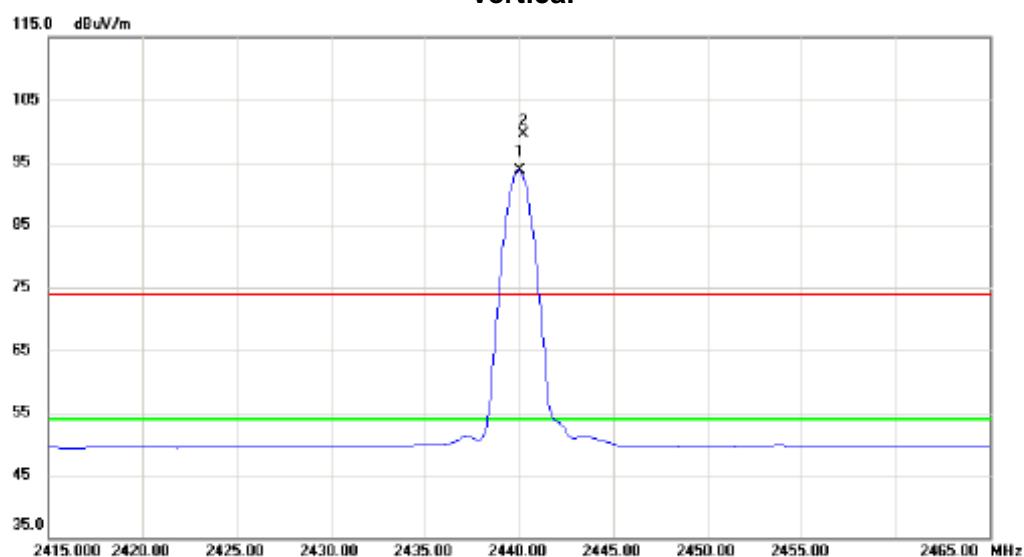


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Margin Detector	Comment
1	*	7206.560	37.61	11.93	49.54	54.00	-4.48	AVG
2		7206.710	48.49	11.93	60.42	74.00	-13.58	peak

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps - Ant 1

Vertical

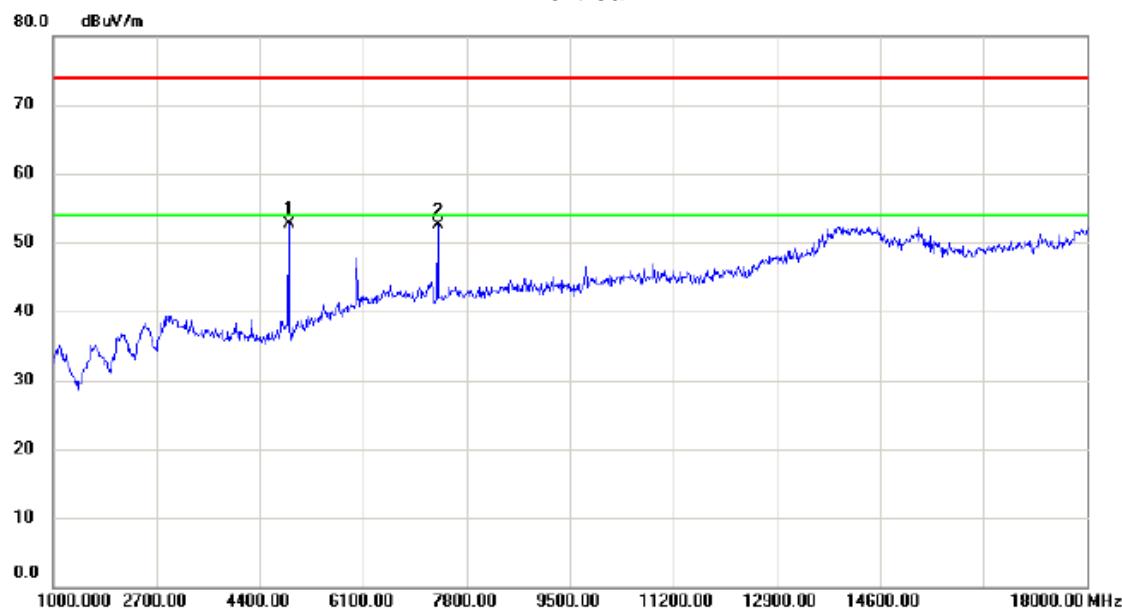


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin
		MHz	dBuV	dB	dBuV/m	dB	Detector Comment
1	*	2440.000	59.57	34.16	93.73	54.00	39.73 AVG No Limit
2	X	2440.250	65.27	34.17	99.44	74.00	25.44 peak No Limit

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps - Ant 1

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	4876.000	47.58	5.07	52.65	74.00	-21.35	peak
2		7324.000	41.18	11.40	52.58	74.00	-21.42	peak

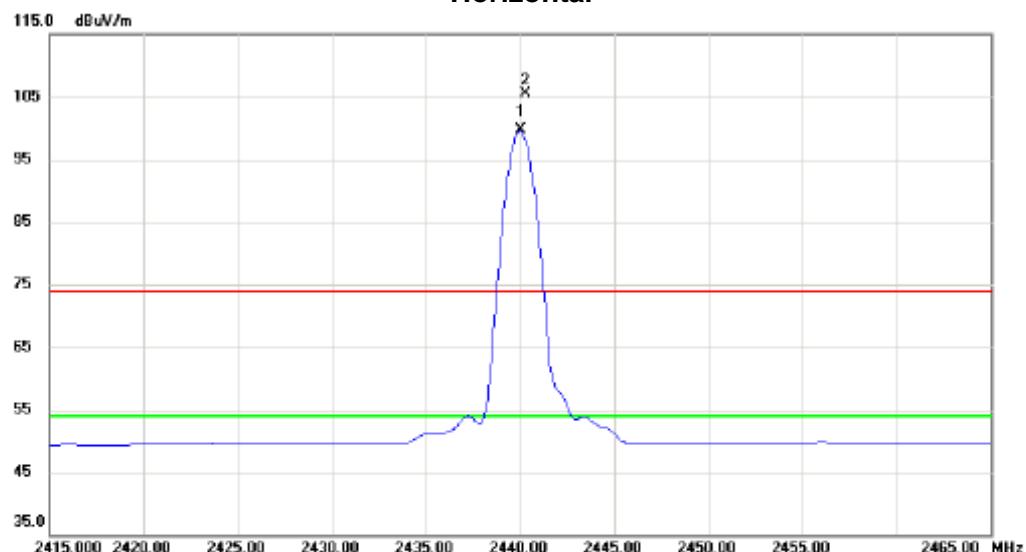


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps - Ant 1

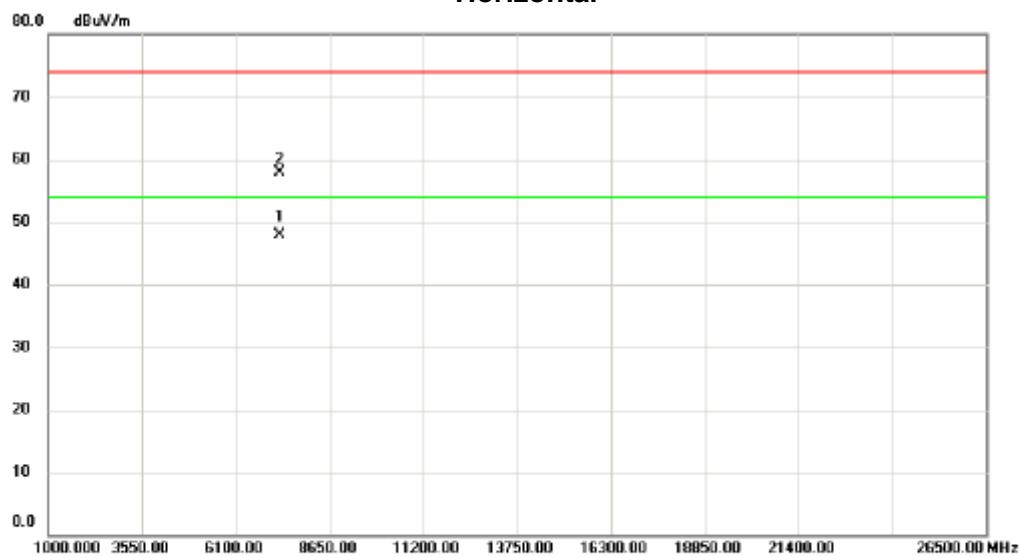
Horizontal



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	
			Level	Factor	ment			
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	2440.000	65.45	34.16	99.61	54.00	45.61	AVG No Limit
2	X	2440.275	71.39	34.17	105.56	74.00	31.56	peak No Limit

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps - Ant 1

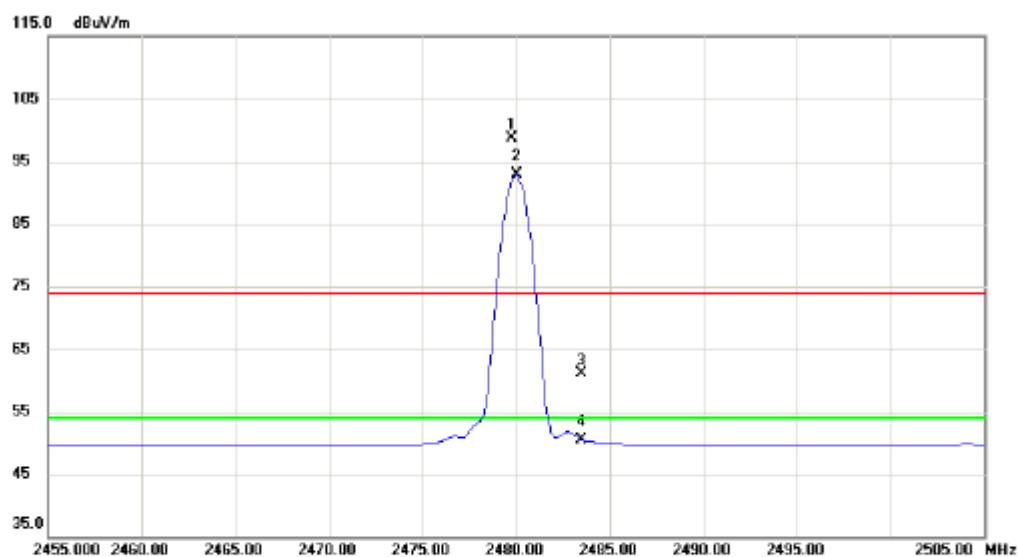
Horizontal

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	
			Level	Factor	ment			
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	7319.440	35.74	12.20	47.94	54.00	-6.06	AVG
2		7320.760	45.78	12.20	57.98	74.00	-16.02	peak

Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps - Ant 1

Vertical

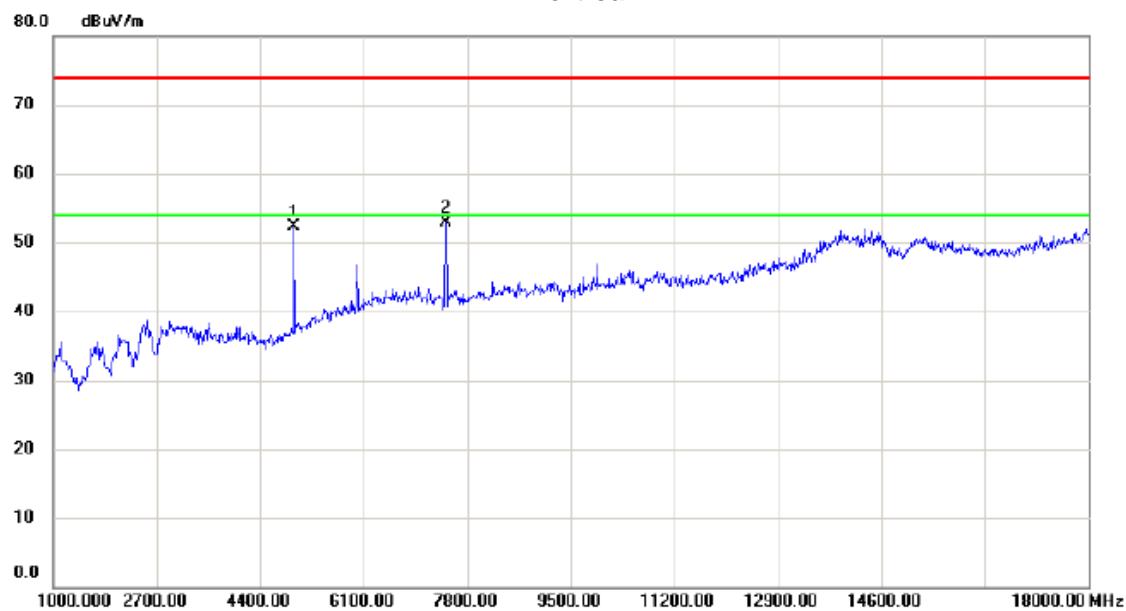


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	X	2479.775	64.34	34.40	98.74	74.00	24.74	peak No Limit
2	*	2480.000	58.43	34.40	92.83	54.00	38.83	AVG No Limit
3		2483.500	26.73	34.41	61.14	74.00	-12.86	peak
4		2483.500	16.11	34.41	50.52	54.00	-3.48	AVG

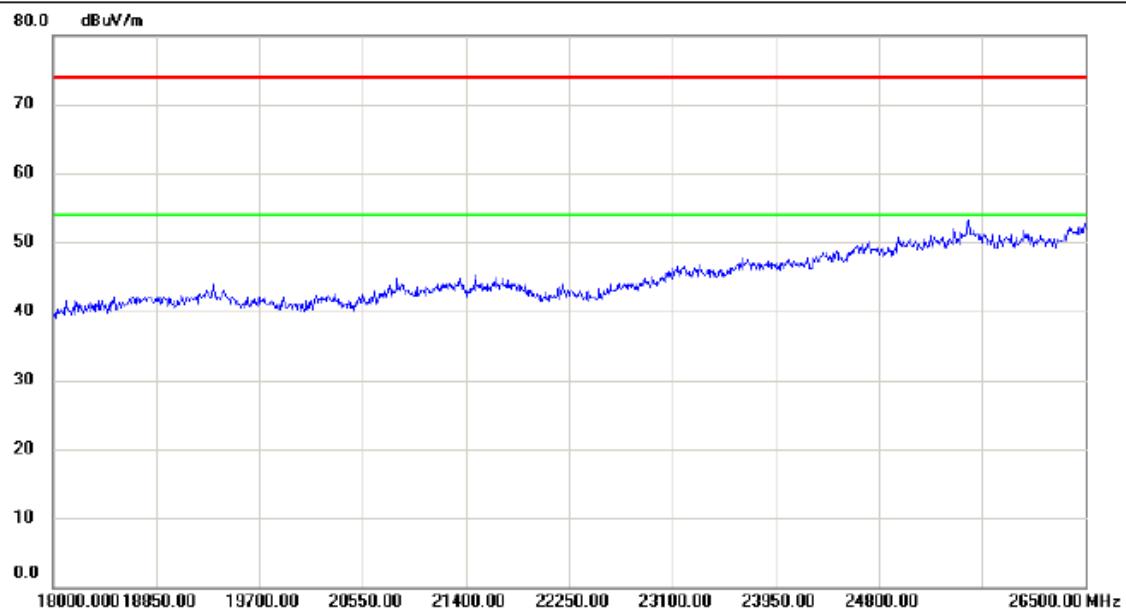
Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps - Ant 1

Vertical



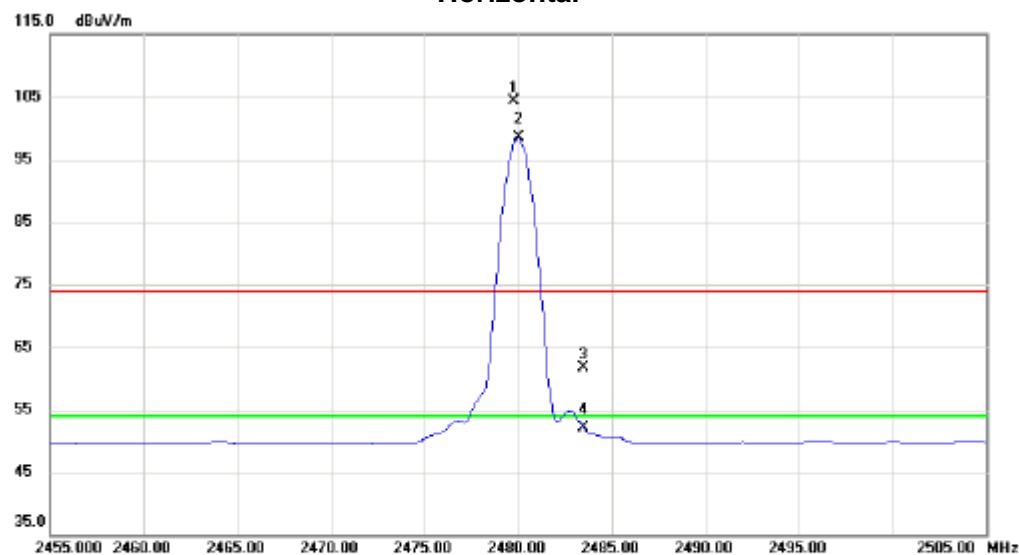
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dB _{uV}	dB	dB _{uV/m}	dB _{uV/m}	dB	Detector Comment
1		4961.000	46.90	5.44	52.34	74.00	-21.66	peak
2 *		7443.000	41.25	11.64	52.89	74.00	-21.11	peak



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dB _{uV}	dB	dB _{uV/m}	dB _{uV/m}	dB	Detector Comment

Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps - Ant 1

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	X	2479.775	69.95	34.40	104.35	74.00	30.35	peak No Limit
2	*	2480.000	64.06	34.40	98.46	54.00	44.46	AVG No Limit
3		2483.500	27.39	34.41	61.80	74.00	-12.20	peak
4		2483.500	17.66	34.41	52.07	54.00	-1.93	AVG

Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps - Ant 1

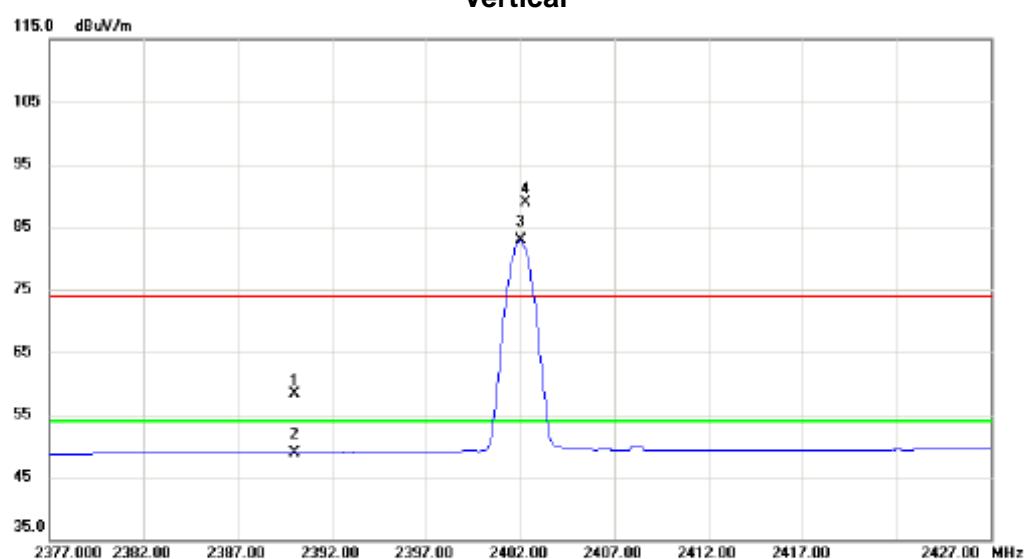
Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		7439.205	48.23	12.50	60.73	74.00	-13.27	peak
2	*	7439.435	38.06	12.50	50.56	54.00	-3.44	AVG

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps - Ant 2

Vertical

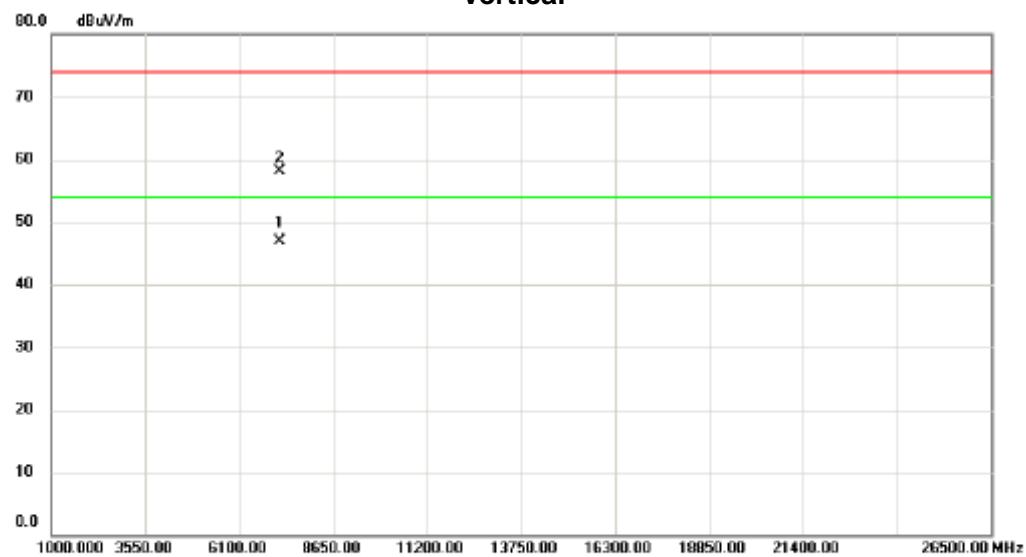


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Detector dB	Margin	Comment
1		2390.000	24.37	33.87	58.24	74.00	-15.76	peak	
2		2390.000	15.07	33.87	48.94	54.00	-5.06	AVG	
3	*	2402.000	48.91	33.95	82.86	54.00	28.86	AVG	No Limit
4	X	2402.275	55.01	33.95	88.96	74.00	14.98	peak	No Limit

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps - Ant 2

Vertical

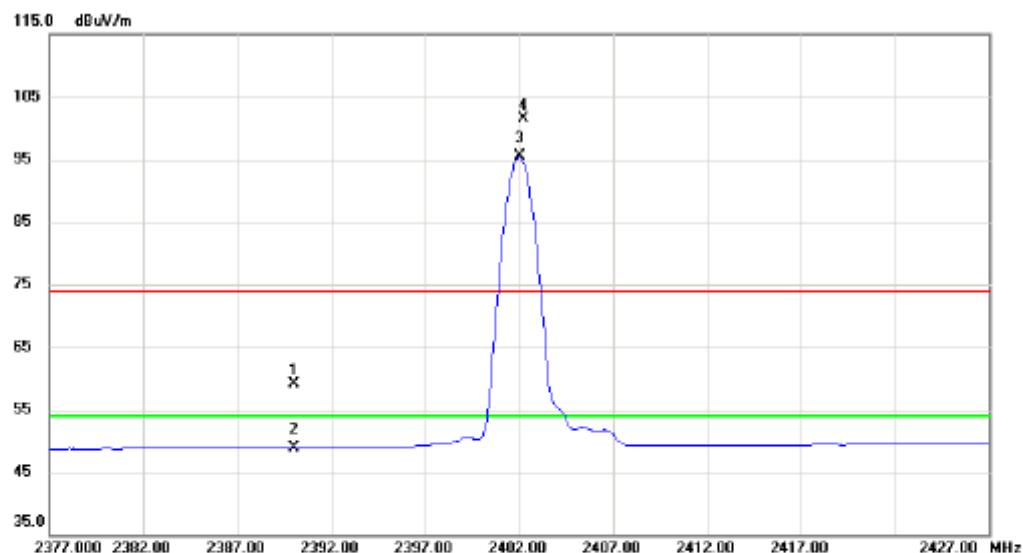


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	7206.570	34.88	11.93	46.81	54.00	-7.19	Avg	
2		7206.730	46.08	11.93	58.01	74.00	-15.99	peak	

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps - Ant 2

Horizontal



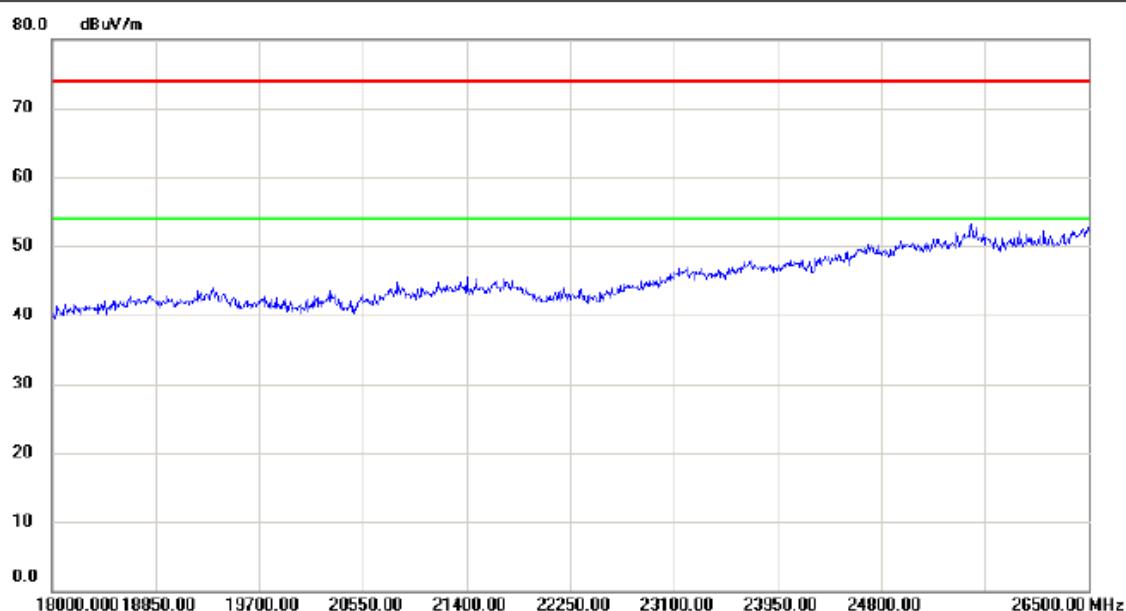
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		2390.000	25.15	33.87	59.02	74.00	-14.98	peak
2		2390.000	15.09	33.87	48.96	54.00	-5.04	AVG
3	*	2402.000	61.53	33.95	95.48	54.00	41.48	AVG No Limit
4	X	2402.250	67.50	33.95	101.45	74.00	27.45	peak No Limit

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps - Ant 2

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	4808.000	42.58	4.78	47.36	74.00	-26.64	peak	
2		7205.000	33.75	11.16	44.91	74.00	-29.09	peak	

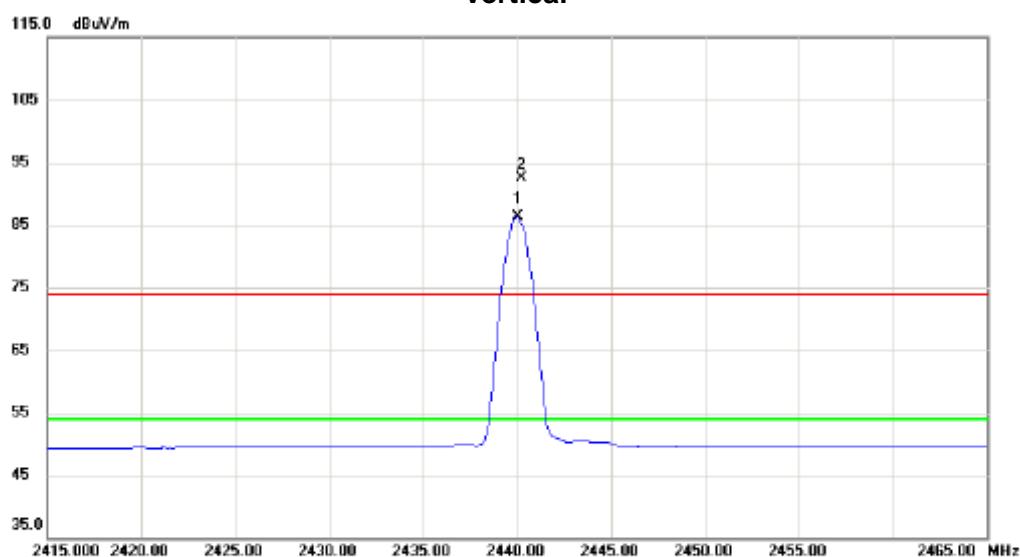


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps - Ant 2

Vertical

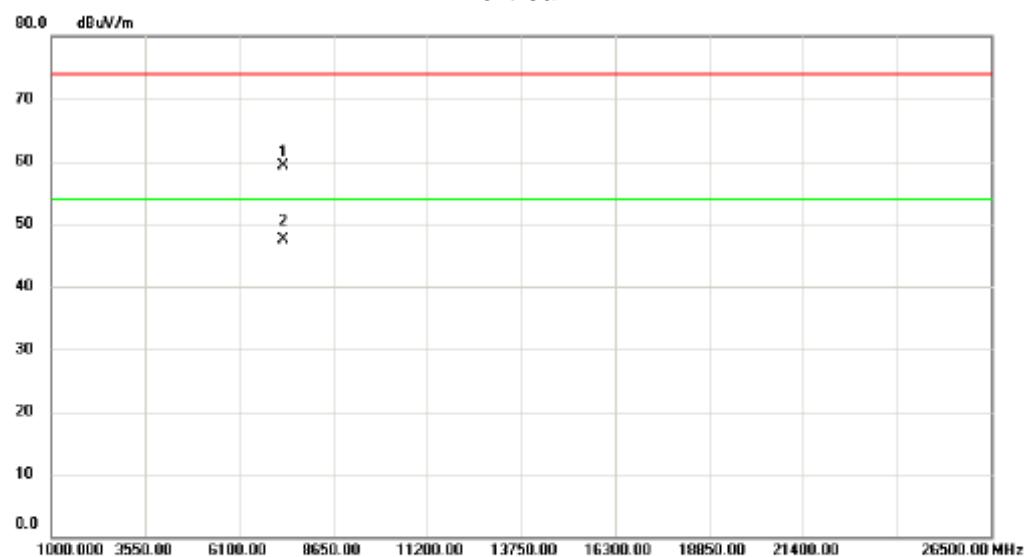


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	2440.000	52.19	34.16	86.35	54.00	32.35	AVG No Limit
2	X	2440.250	58.33	34.17	92.50	74.00	18.50	peak No Limit

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps - Ant 2

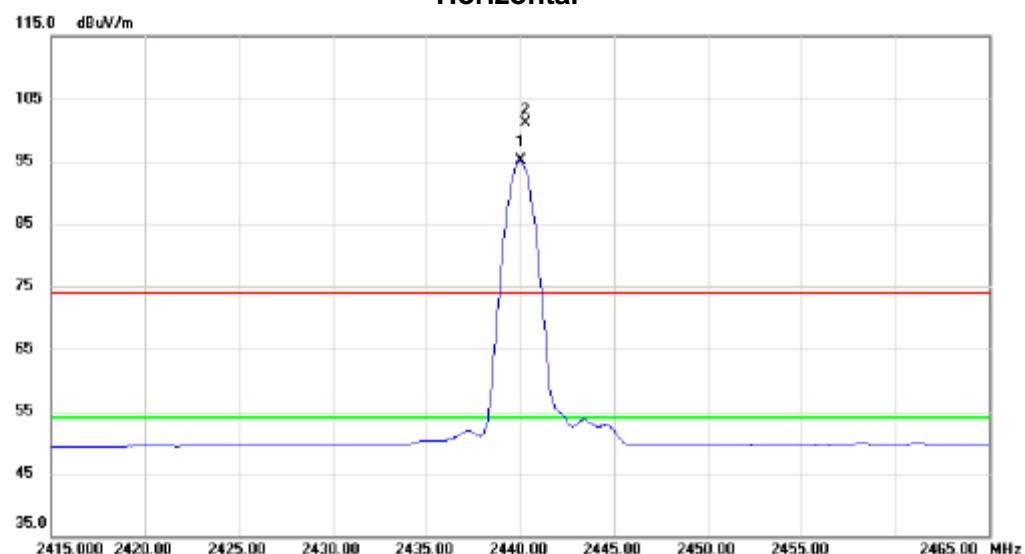
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		7320.715	47.02	12.20	59.22	74.00	-14.78	peak	
2	*	7320.790	35.38	12.20	47.58	54.00	-6.42	Avg	

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps - Ant 2

Horizontal

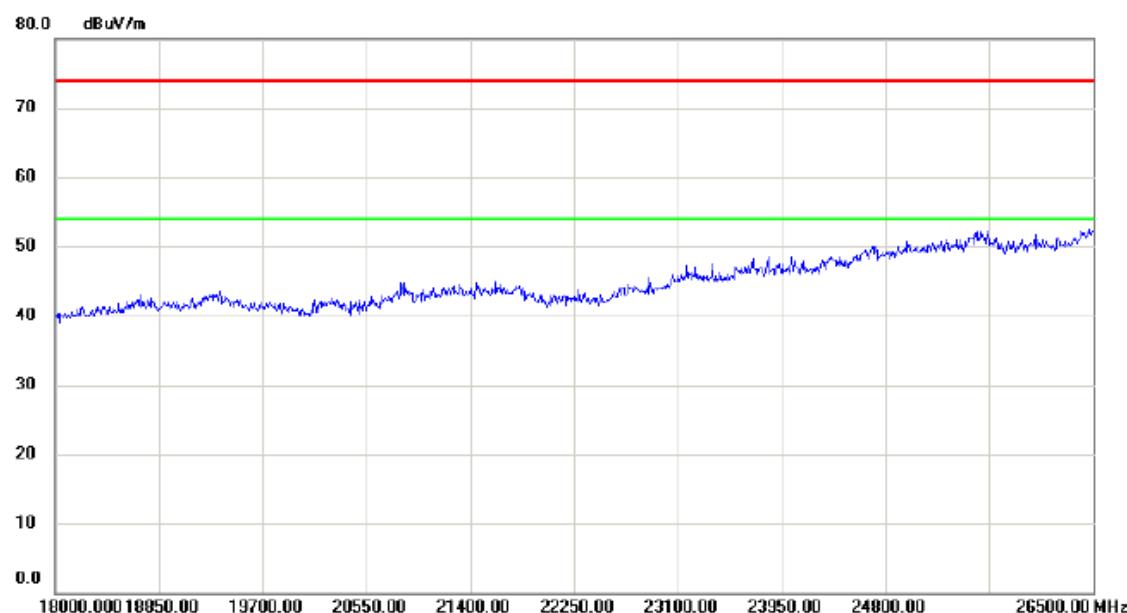
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	
			Level	Factor	ment			
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	2440.000	60.97	34.16	95.13	54.00	41.13	AVG No Limit
2	X	2440.275	66.97	34.17	101.14	74.00	27.14	peak No Limit

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps - Ant 2

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dB			
1		4876.000	42.88	5.07	47.95	74.00	-26.05	peak	
2 *		7324.000	38.73	11.40	50.13	74.00	-23.87	peak	

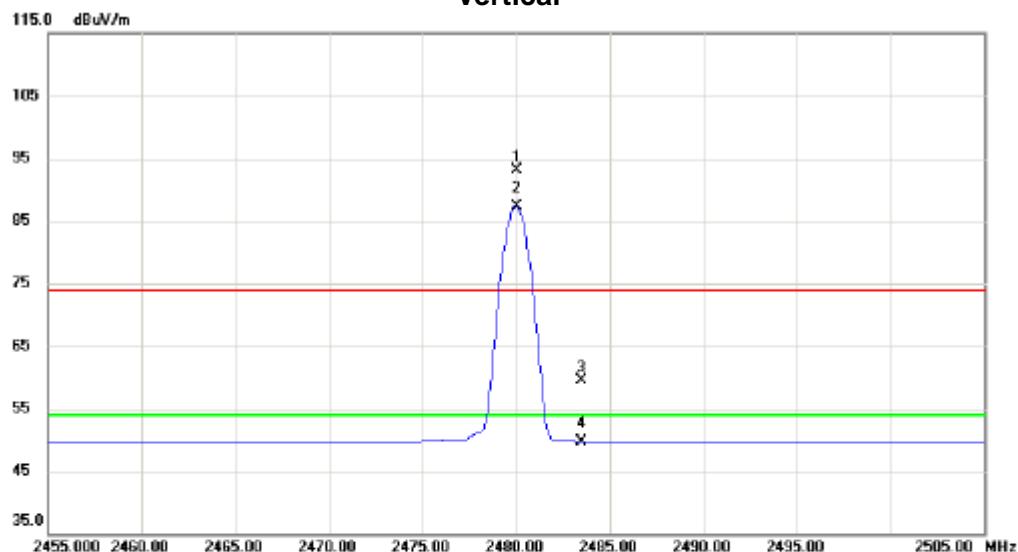


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dB			

Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps - Ant 2

Vertical

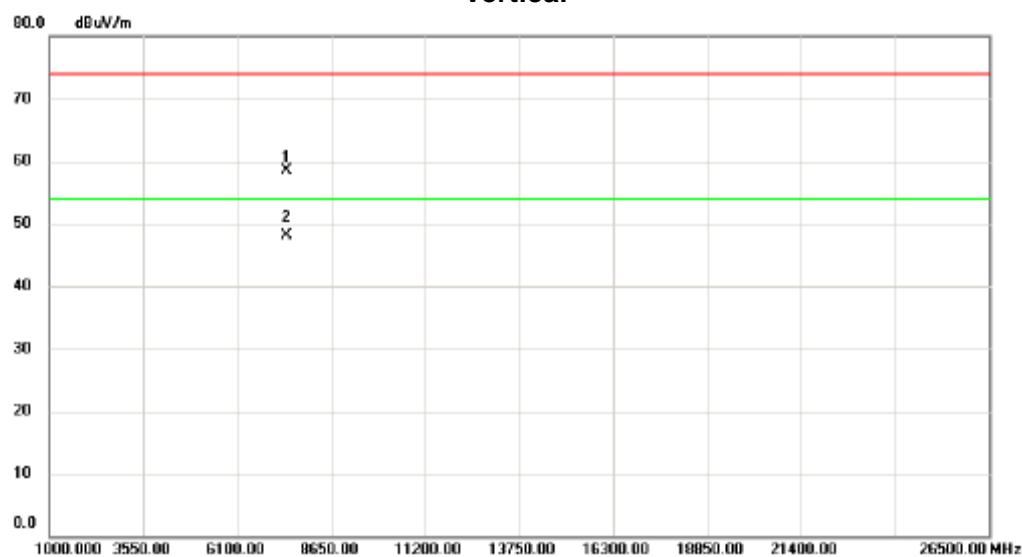


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	X	2480.000	58.71	34.40	93.11	74.00	19.11	peak No Limit
2	*	2480.000	52.94	34.40	87.34	54.00	33.34	AVG No Limit
3		2483.500	25.15	34.41	59.56	74.00	-14.44	peak
4		2483.500	15.31	34.41	49.72	54.00	-4.28	AVG

Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps - Ant 2

Vertical

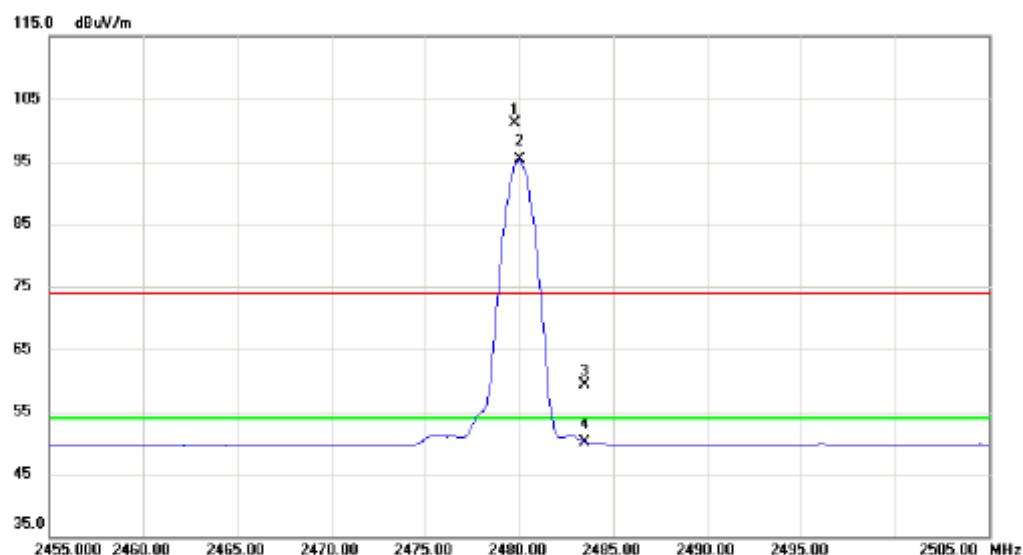


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1		7439.155	46.08	12.50	58.58	74.00	-15.42	peak
2	*	7439.430	35.69	12.50	48.19	54.00	-5.81	AVG

Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps - Ant 2

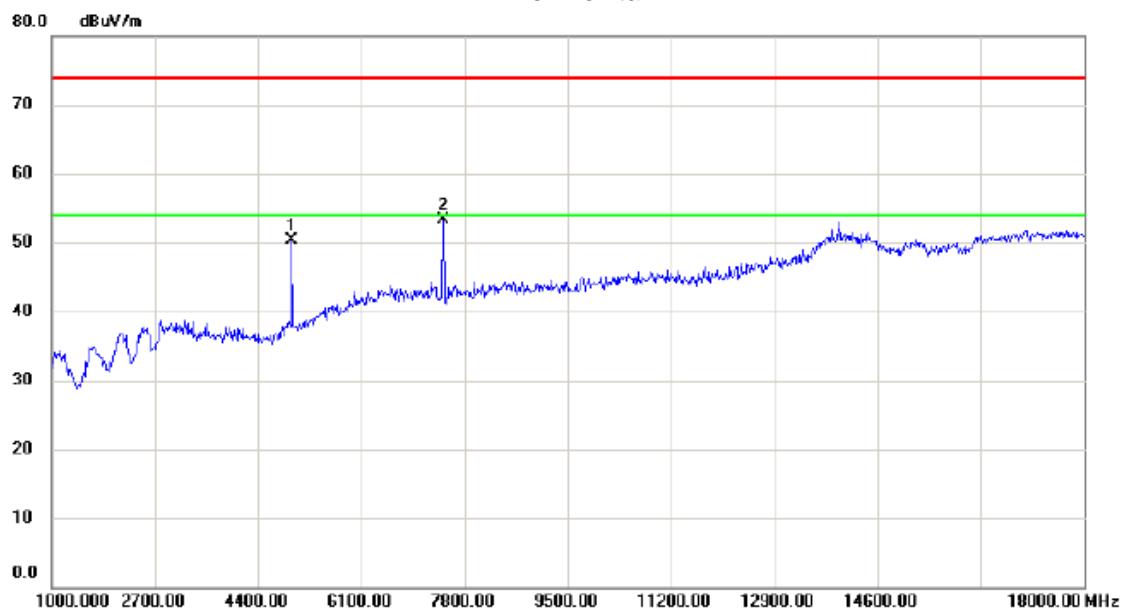
Horizontal



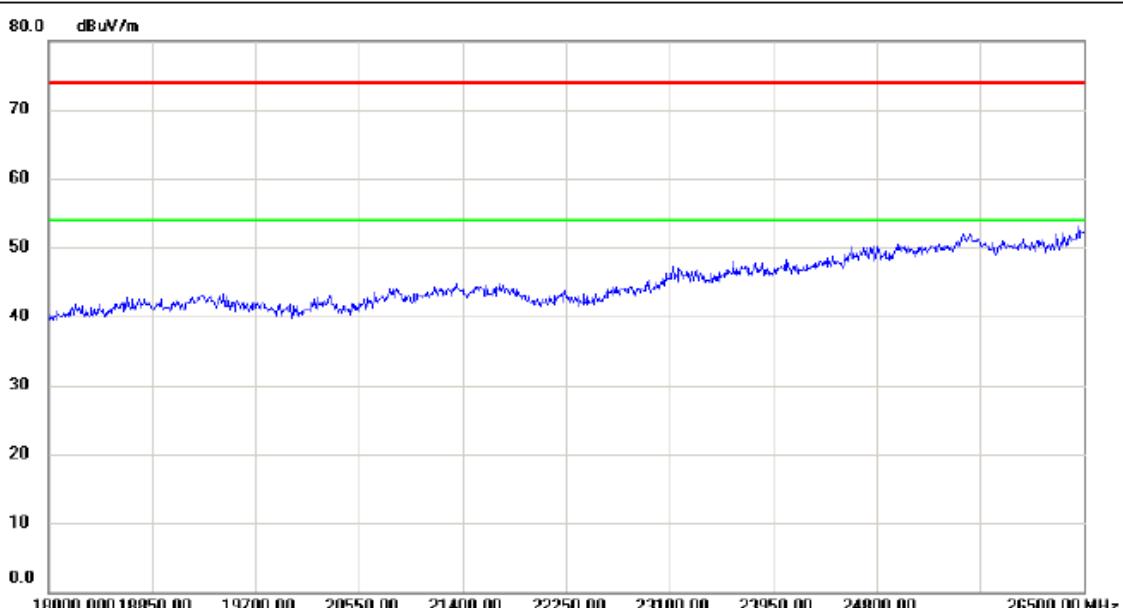
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment Limit dBuV/m	Margin dB	Detector	Comment
1	X	2479.775	66.75	34.40	101.15	74.00	27.15	peak No Limit
2	*	2480.000	60.83	34.40	95.23	54.00	41.23	AVG No Limit
3		2483.500	24.94	34.41	59.35	74.00	-14.65	peak
4		2483.500	15.76	34.41	50.17	54.00	-3.83	AVG

Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps - Ant 2

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1		4961.000	44.96	5.44	50.40	74.00	-23.60	peak
2 *		7443.000	41.64	11.64	53.28	74.00	-20.72	peak

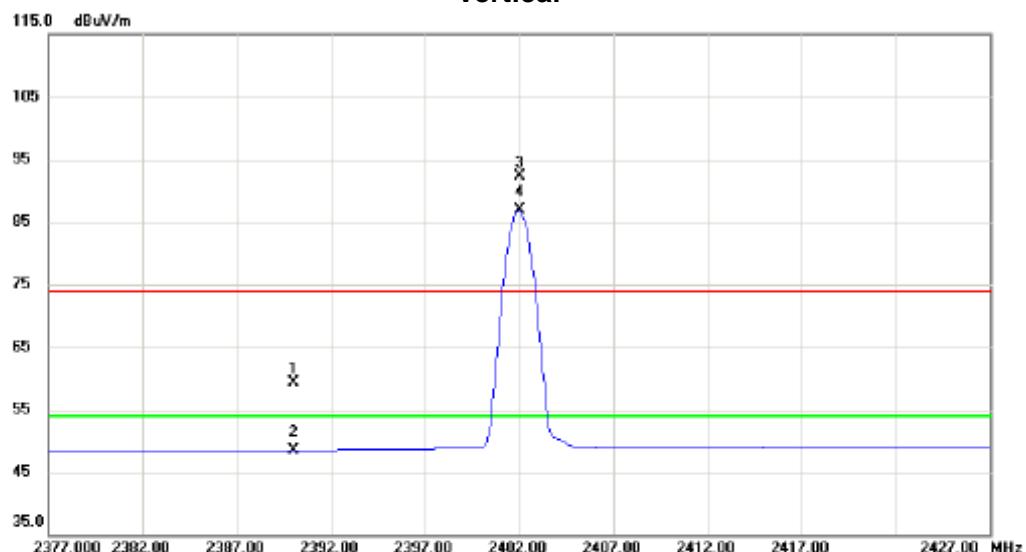


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps - Ant 3

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	25.48	33.87	59.35	74.00	-14.65	peak	
2		2390.000	14.70	33.87	48.57	54.00	-5.43	AVG	
3	X	2402.000	58.41	33.95	92.36	74.00	18.36	peak	No Limit
4	*	2402.000	52.94	33.95	86.89	54.00	32.89	AVG	No Limit

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps - Ant 3

Vertical

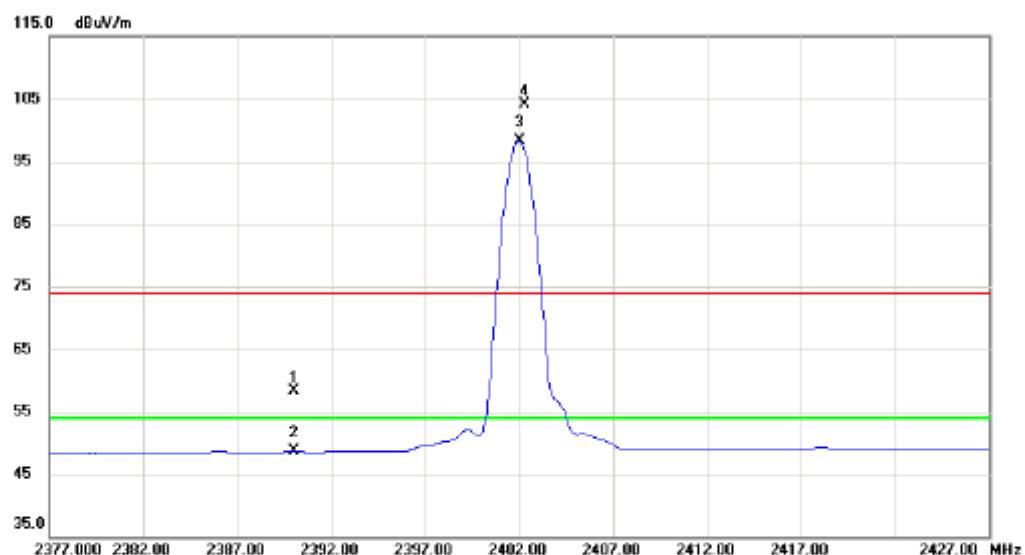


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	7205.450	36.11	11.93	48.04	54.00	-5.96	AVG
2		7206.760	47.08	11.93	59.01	74.00	-14.99	peak

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps - Ant 3

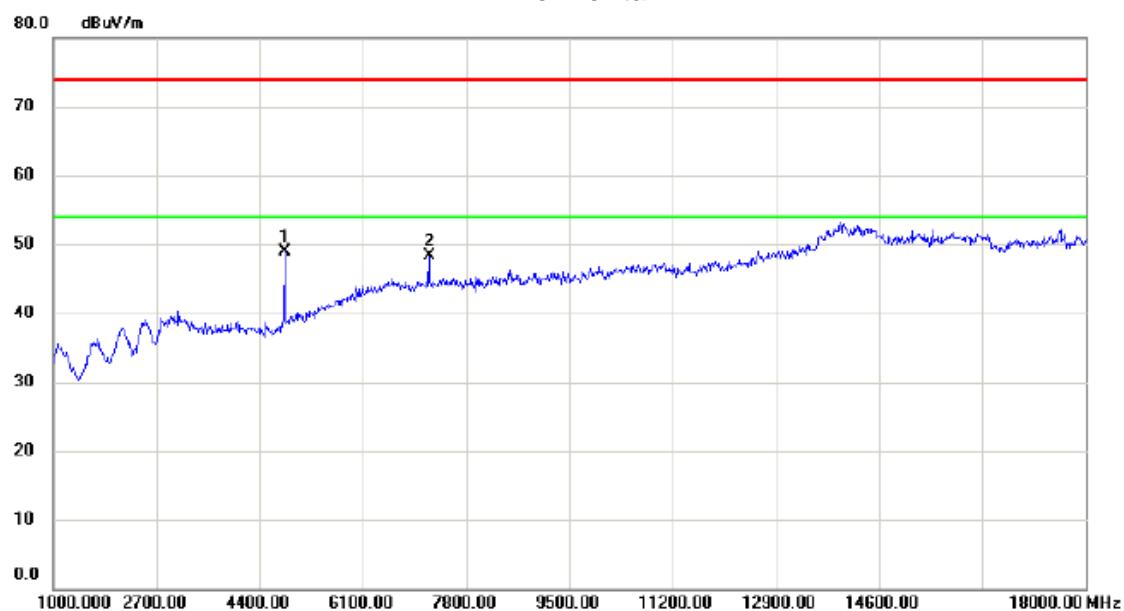
Horizontal



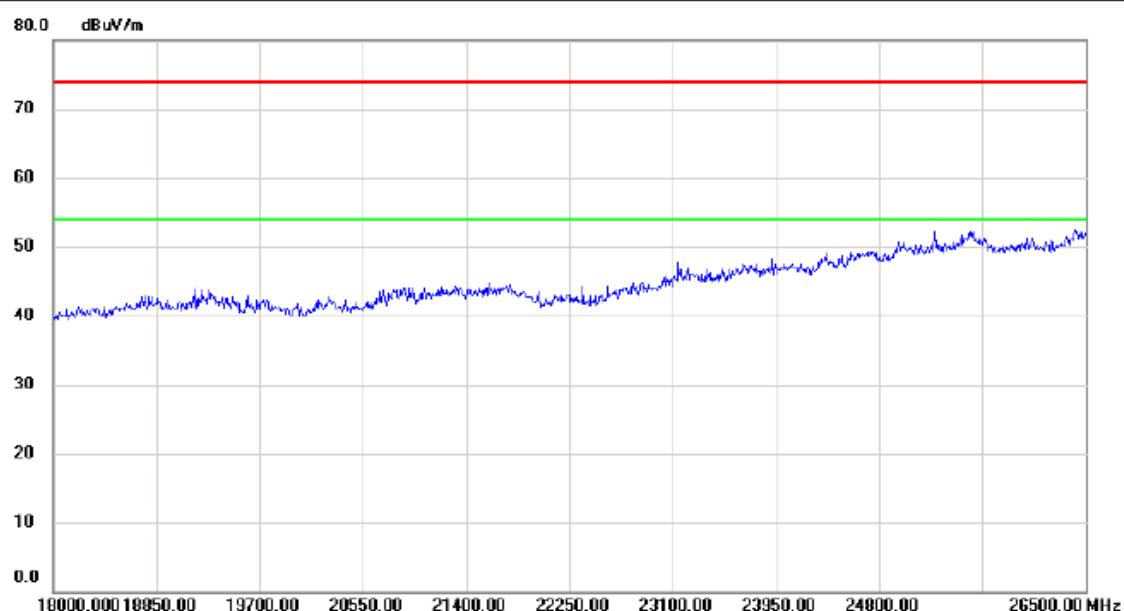
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Margin Detector	Comment
1		2390.000	24.44	33.87	58.31	74.00	-15.69	peak
2		2390.000	14.76	33.87	48.63	54.00	-5.37	AVG
3	*	2402.000	64.39	33.95	98.34	54.00	44.34	AVG No Limit
4	X	2402.275	70.11	33.95	104.06	74.00	30.06	peak No Limit

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps - Ant 3

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	4808.000	44.20	4.78	48.98	74.00	-25.02	peak
2		7188.000	37.11	11.13	48.24	74.00	-25.76	peak

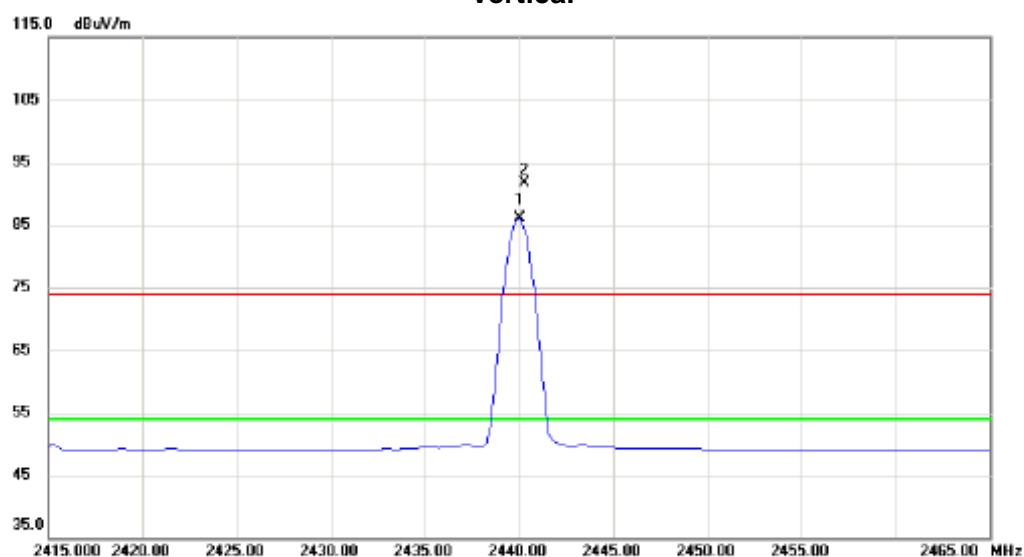


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps - Ant 3

Vertical

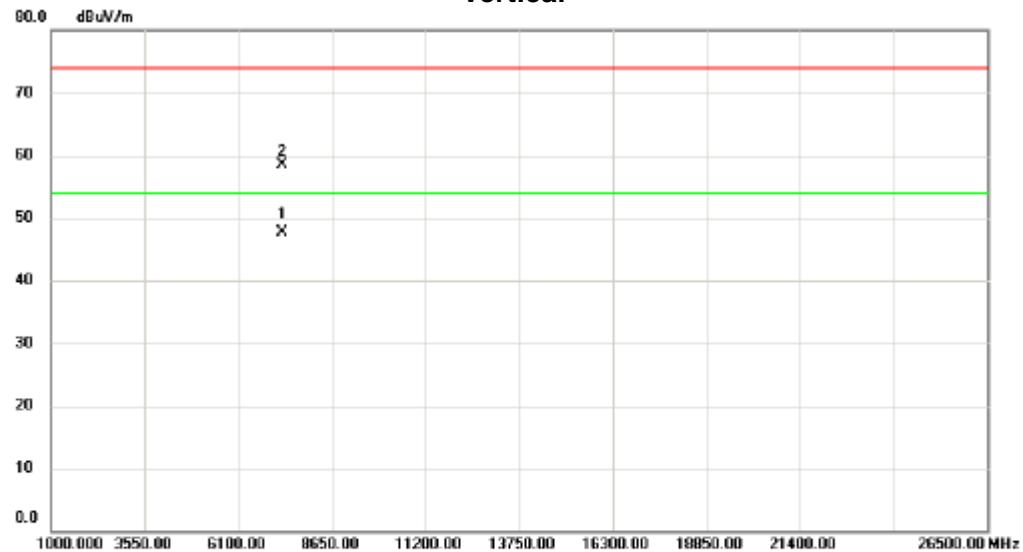


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	2440.000	51.85	34.16	86.01	54.00	32.01	AVG No Limit
2	X	2440.275	57.51	34.17	91.68	74.00	17.68	peak No Limit

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps - Ant 3

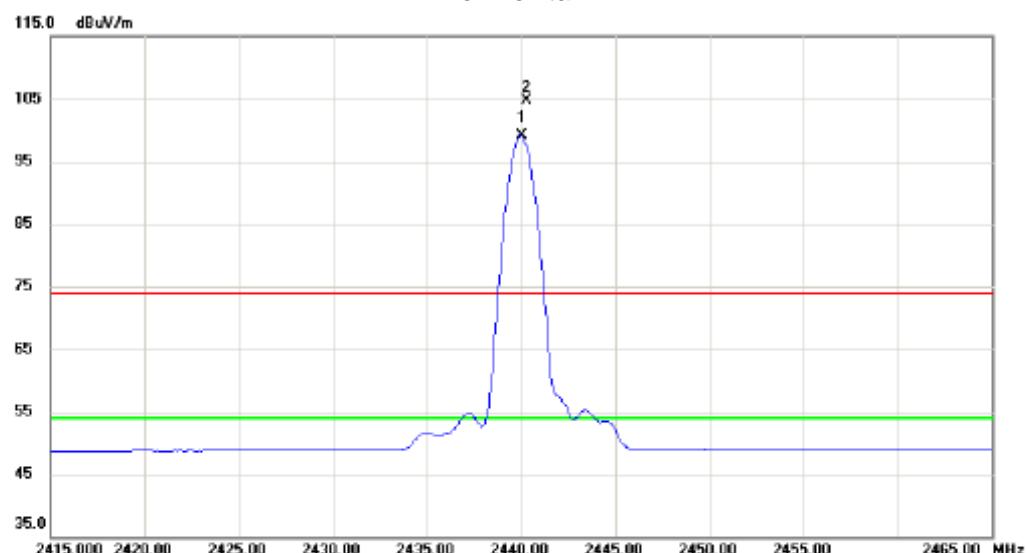
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Margin	Detector	Comment
1	*	7319.440	35.60	12.20	47.80	54.00	-6.20	AVG	
2		7320.725	46.34	12.20	58.54	74.00	-15.46	peak	

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps - Ant 3

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	2440.000	64.90	34.16	99.06	54.00	45.06	AVG No Limit
2	X	2440.275	70.58	34.17	104.75	74.00	30.75	peak No Limit

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps - Ant 3

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4876.000	40.96	5.07	46.03	74.00	-27.97	peak	
2 *		7324.000	35.45	11.40	46.85	74.00	-27.15	peak	

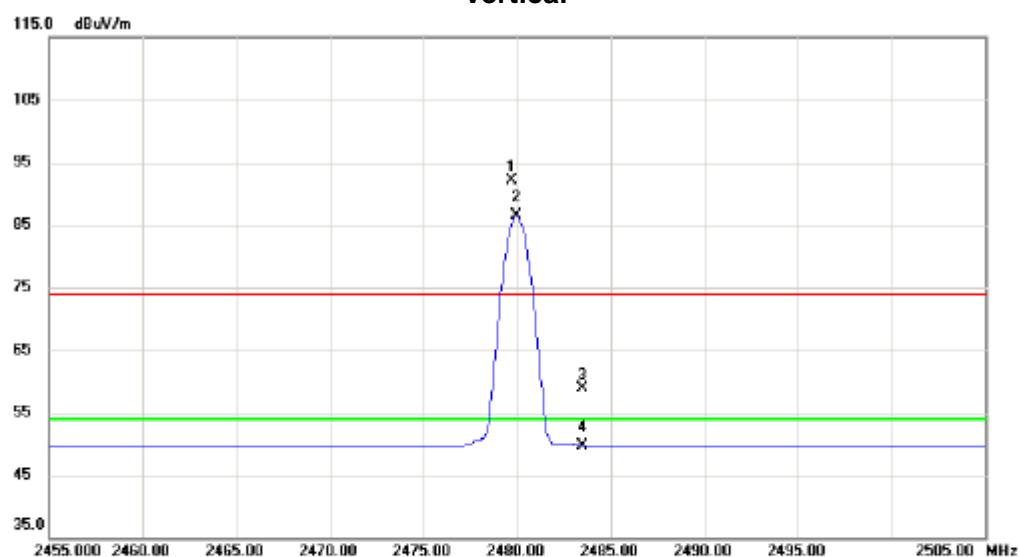


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		

Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps - Ant 3

Vertical

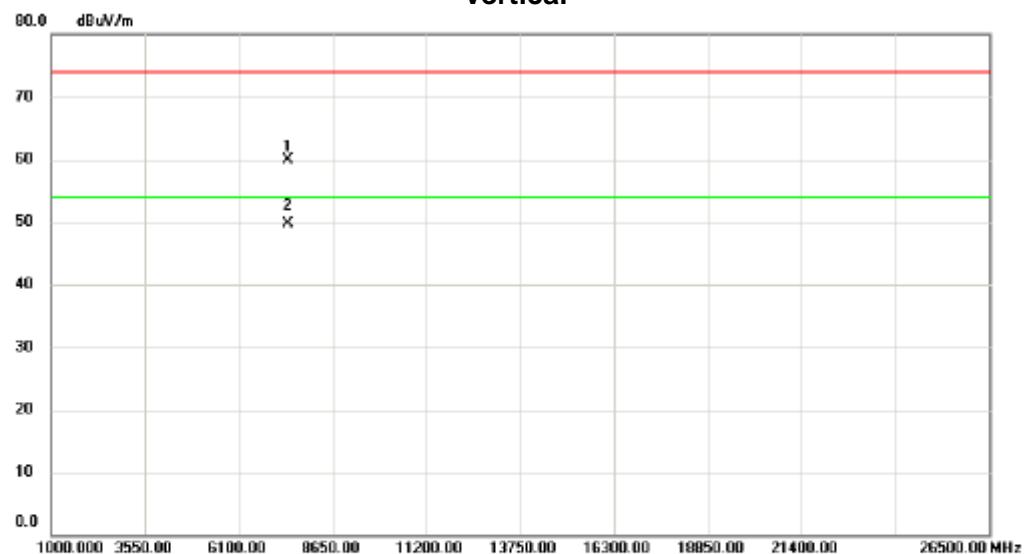


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Margin Detector	Comment
1	X	2479.725	57.64	34.40	92.04	74.00	18.04	peak No Limit
2	*	2479.975	52.01	34.40	86.41	54.00	32.41	AVG No Limit
3		2483.500	24.43	34.41	58.84	74.00	-15.16	peak
4		2483.500	15.34	34.41	49.75	54.00	-4.25	AVG

Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps - Ant 3

Vertical

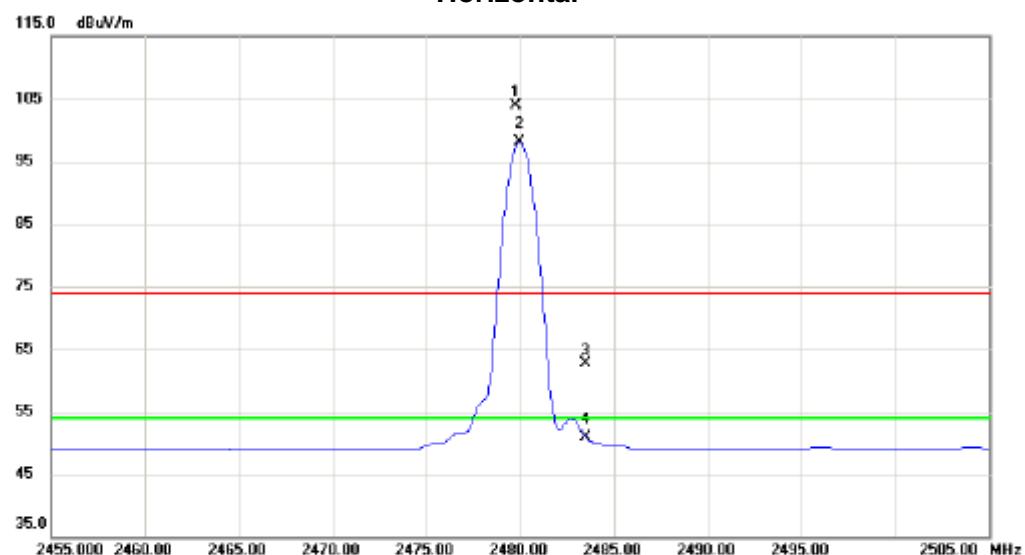


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	
			Level	Factor	ment			
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1		7439.175	47.36	12.50	59.86	74.00	-14.14	peak
2	*	7439.435	37.22	12.50	49.72	54.00	-4.28	AVG

Orthogonal Axis : X

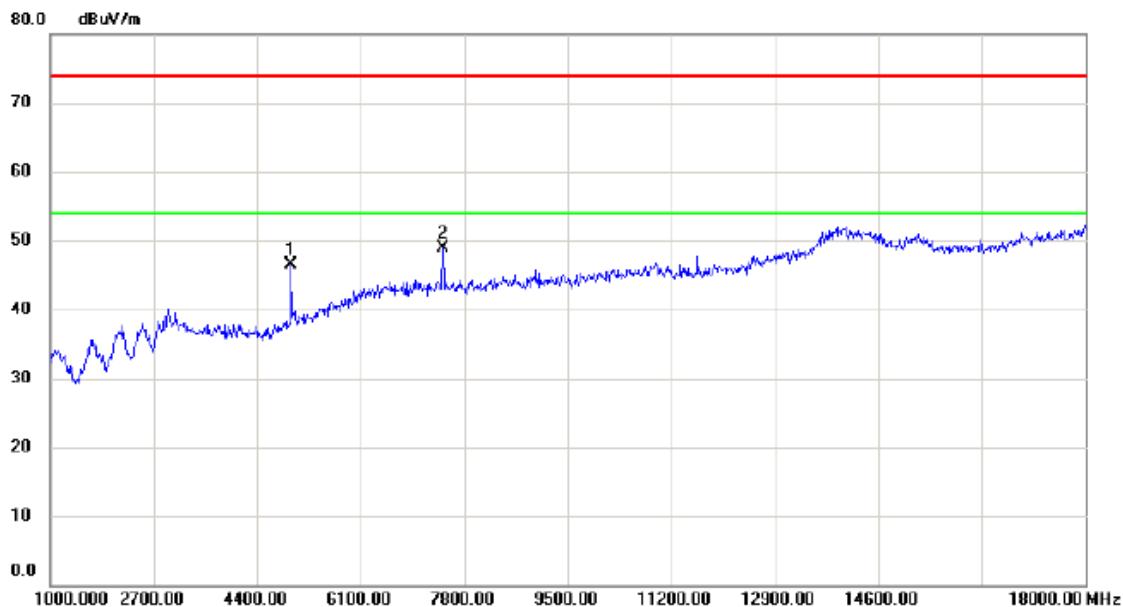
Test Mode : TX 2480MHz _CH39_1Mbps - Ant 3

Horizontal

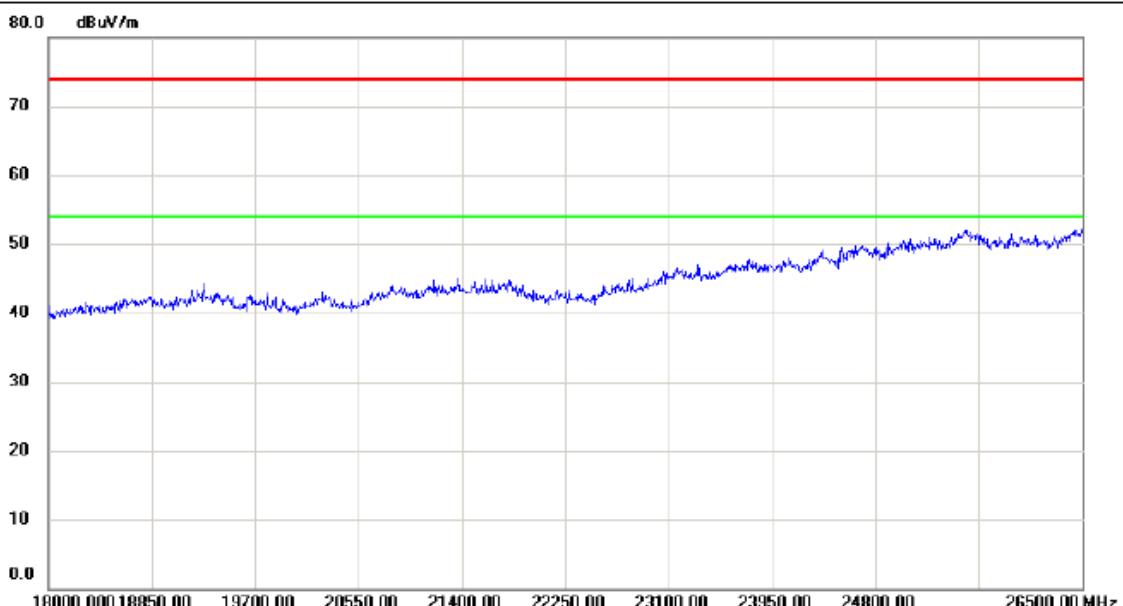


No.	Mk.	Freq. MHz	Reading	Correct	Measure-	Limit dBuV/m	Margin dB	Detector	Comment
			Level dBuV	Factor dB	ment dBuV/m				
1	X	2479.775	69.44	34.40	103.84	74.00	29.84	peak	No Limit
2	*	2479.975	63.78	34.40	98.18	54.00	44.18	AVG	No Limit
3		2483.500	28.33	34.41	62.74	74.00	-11.26	peak	
4		2483.500	16.47	34.41	50.88	54.00	-3.12	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz _CH39_1Mbps - Ant 3

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dB _{uV}	dB	dB _{uV/m}	dB	Detector	Comment
1		4961.000	40.98	5.44	46.42	74.00	-27.58	peak
2 *		7443.000	37.26	11.64	48.90	74.00	-25.10	peak

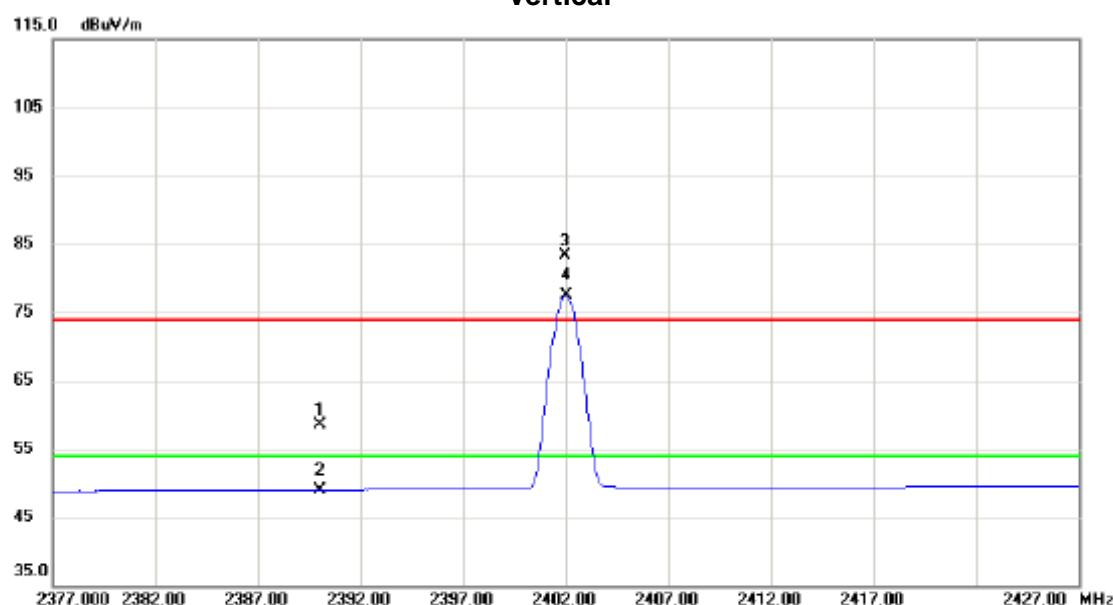


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dB _{uV}	dB	dB _{uV/m}	dB	Detector	Comment

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps - Ant 4

Vertical

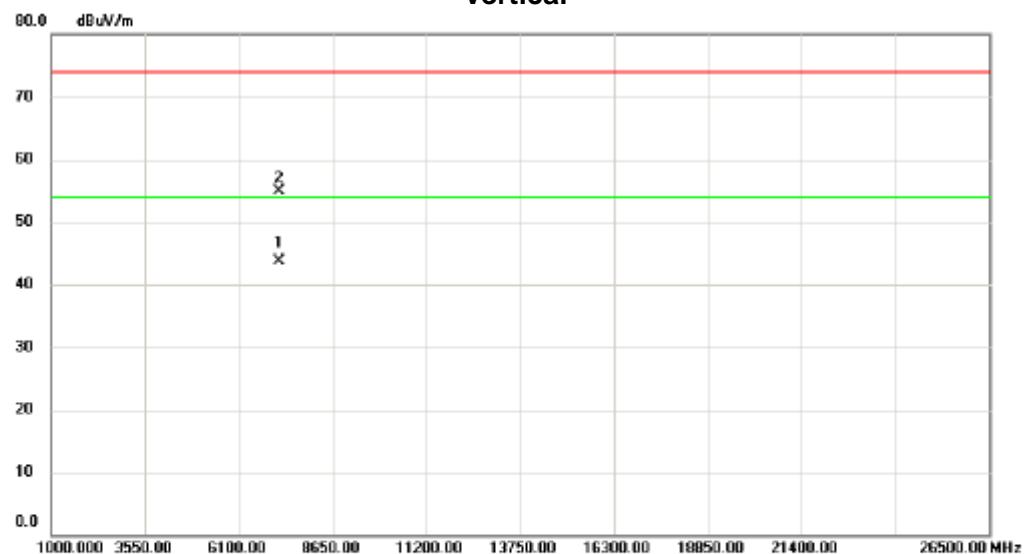


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1		2390.000	24.57	33.87	58.44	74.00	-15.56	peak
2		2390.000	15.10	33.87	48.97	54.00	-5.03	AVG
3	X	2401.975	49.41	33.95	83.36	74.00	9.36	peak No Limit
4	*	2402.000	43.58	33.95	77.53	54.00	23.53	AVG No Limit

Orthogonal Axis : X

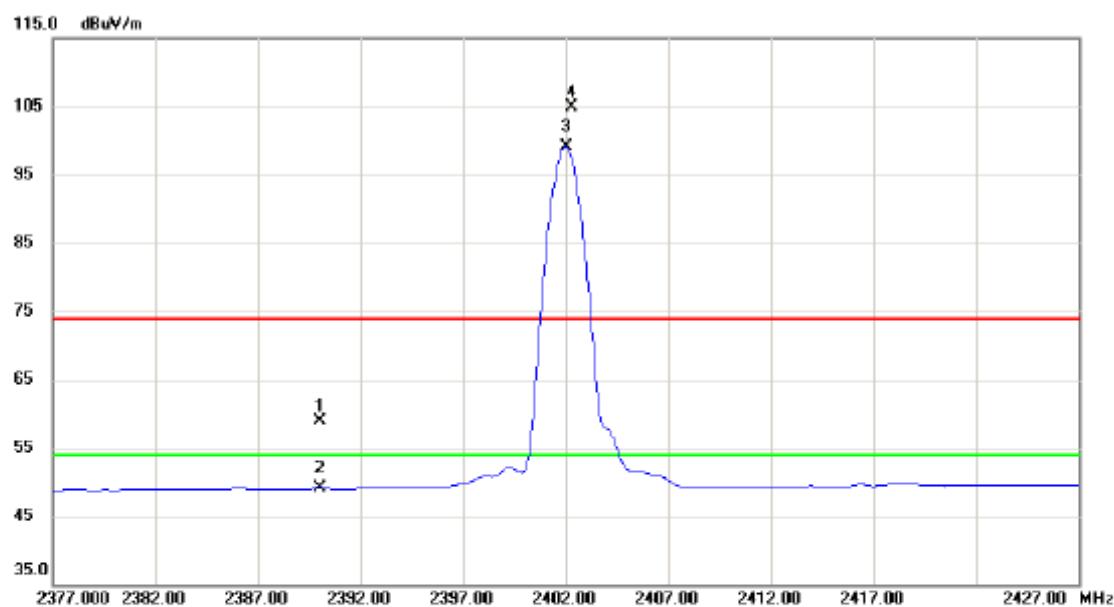
Test Mode : TX 2402MHz _CH00_1Mbps - Ant 4

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	7205.455	31.87	11.93	43.80	54.00	-10.20	AVG
2		7206.725	43.02	11.93	54.95	74.00	-19.05	peak

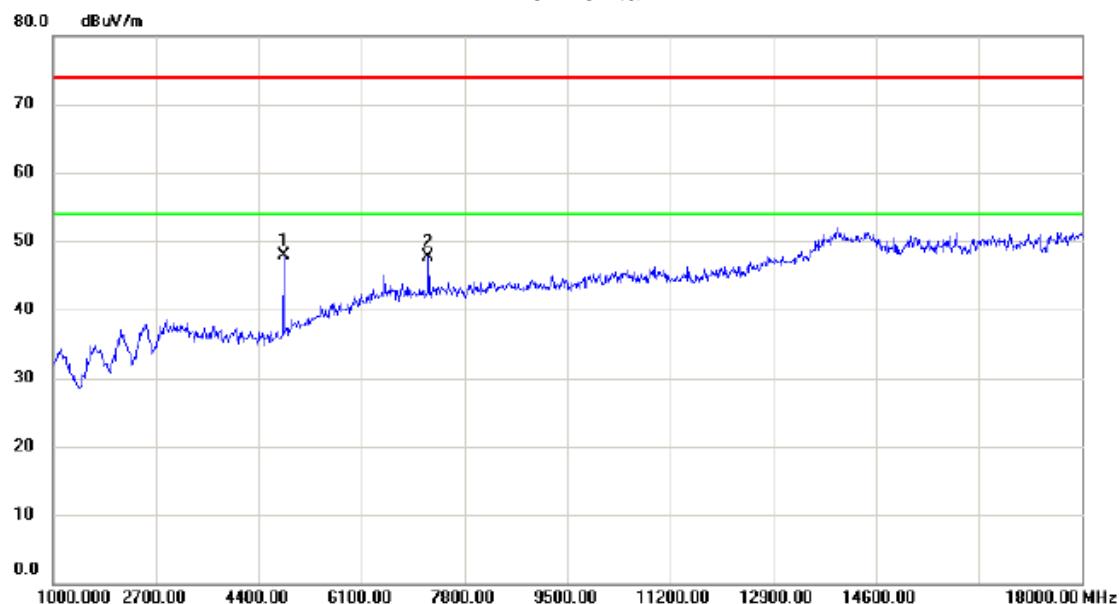
Orthogonal Axis :	X
Test Mode :	TX 2402MHz _CH00_1Mbps - Ant 4

Horizontal

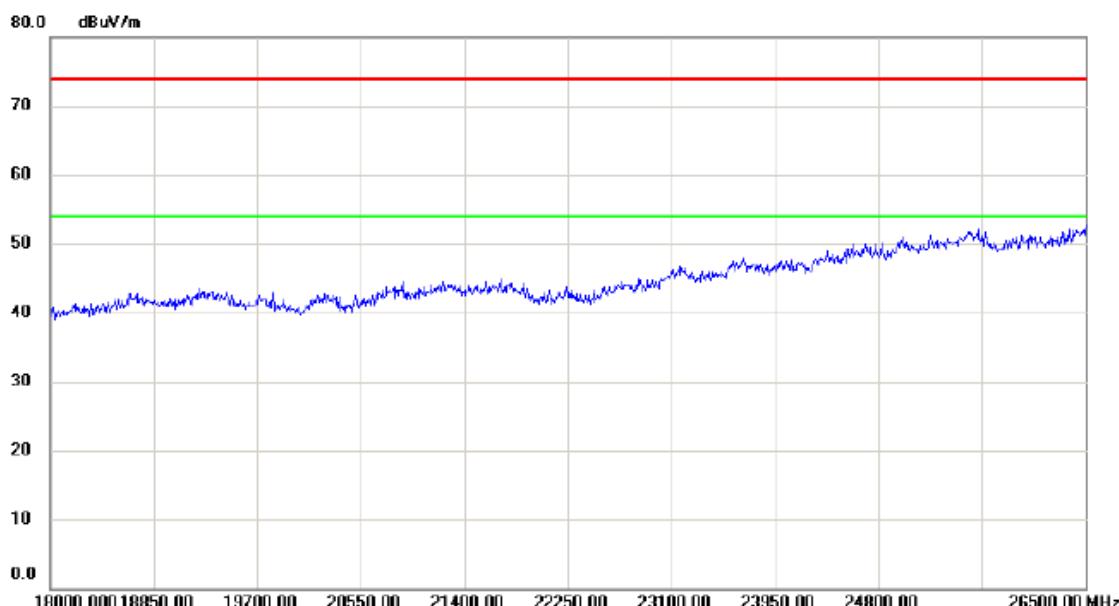
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1		2390.000	25.02	33.87	58.89	74.00	-15.11	peak
2		2390.000	15.15	33.87	49.02	54.00	-4.98	AVG
3	*	2402.000	65.16	33.95	99.11	54.00	45.11	AVG No Limit
4	X	2402.275	70.88	33.95	104.83	74.00	30.83	peak No Limit

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps - Ant 4

Horizontal

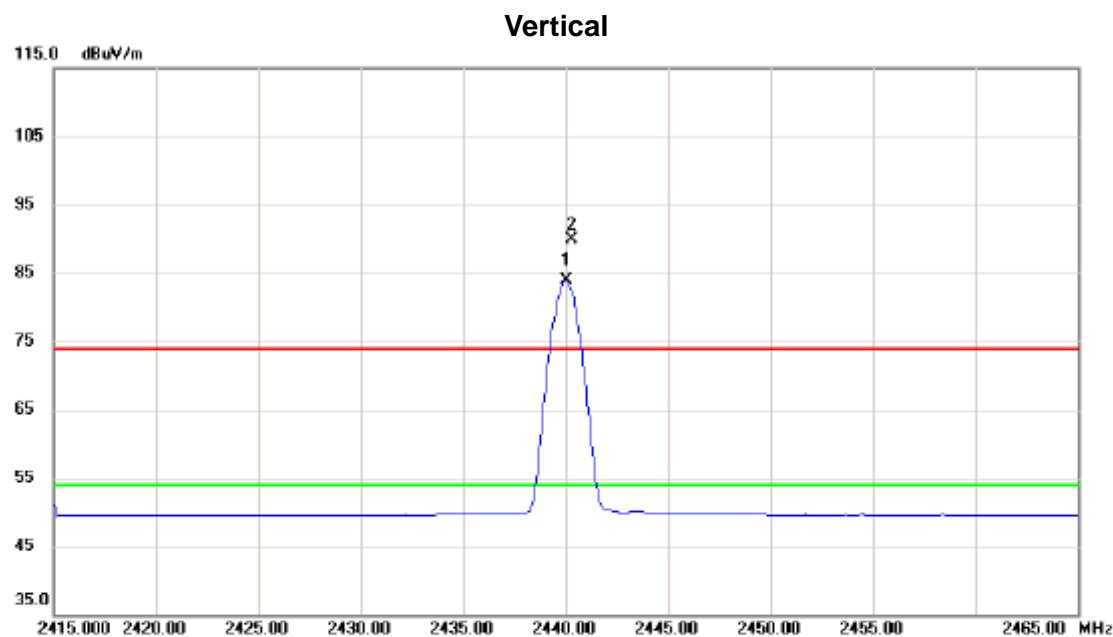
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	4808.000	43.10	4.78	47.88	74.00	-26.12	peak
2		7205.000	36.57	11.16	47.73	74.00	-26.27	peak



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps - Ant 4

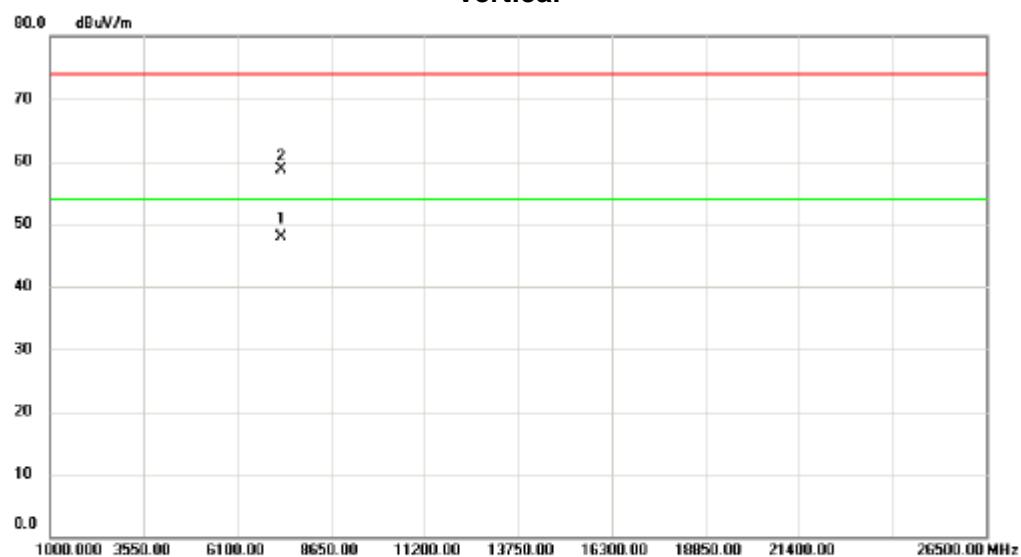


No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2440.000	49.77	34.16	83.93	54.00	29.93	AVG	No Limit
2	X	2440.300	55.69	34.17	89.86	74.00	15.86	peak	No Limit

Orthogonal Axis : X

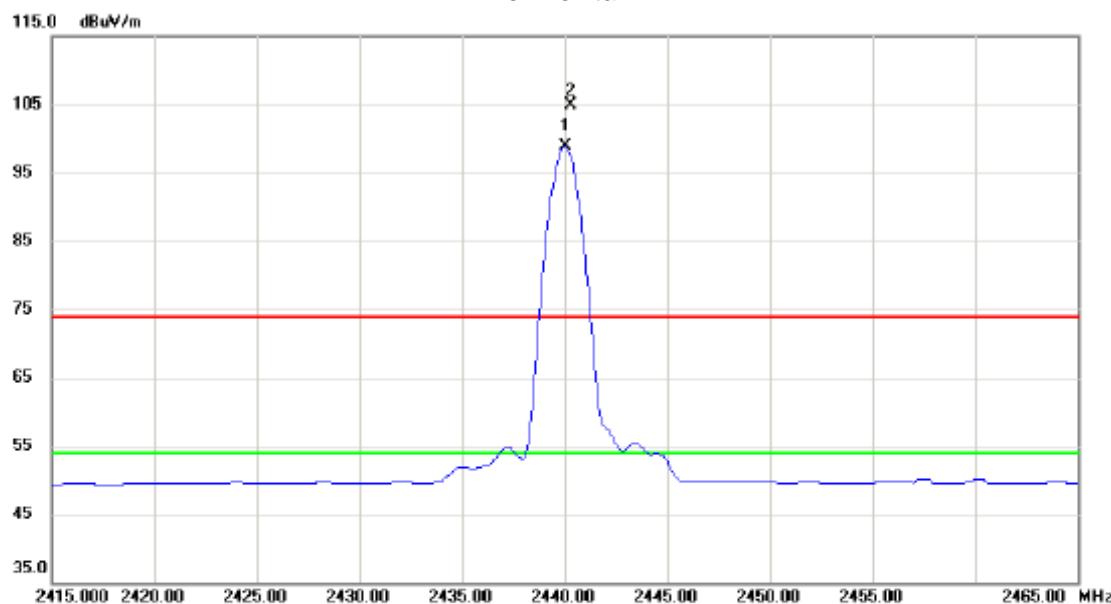
Test Mode : TX 2440MHz _CH19_1Mbps - Ant 4

Vertical



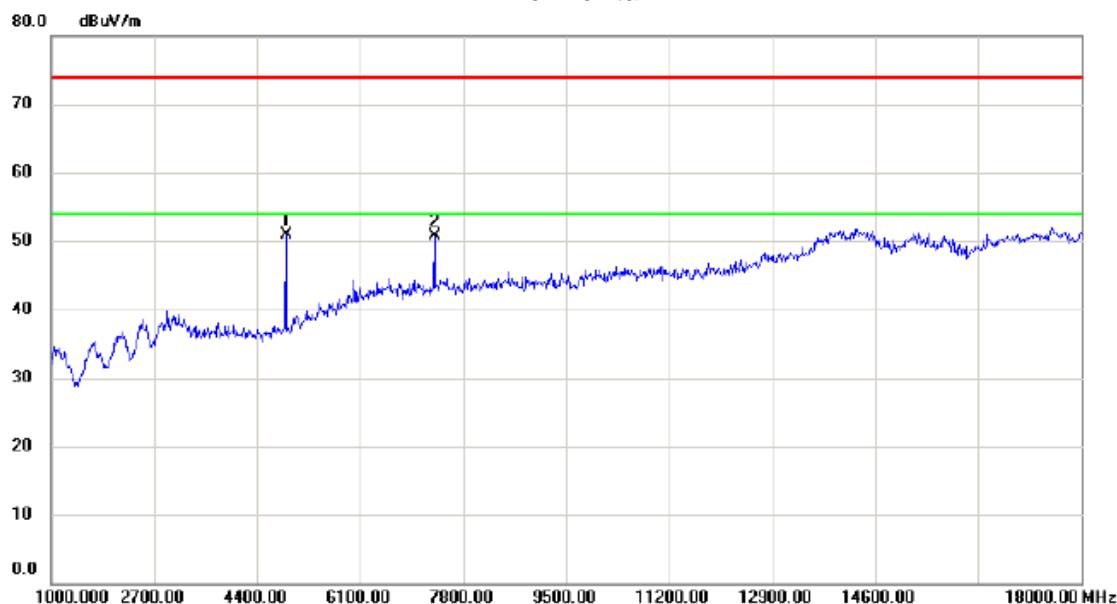
No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Margin	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB	
1	*	7319.445	35.63	12.20	47.83	54.00	-6.17	AVG
2		7320.795	46.45	12.20	58.65	74.00	-15.35	peak

Orthogonal Axis :	X
Test Mode :	TX 2440MHz _CH19_1Mbps - Ant 4

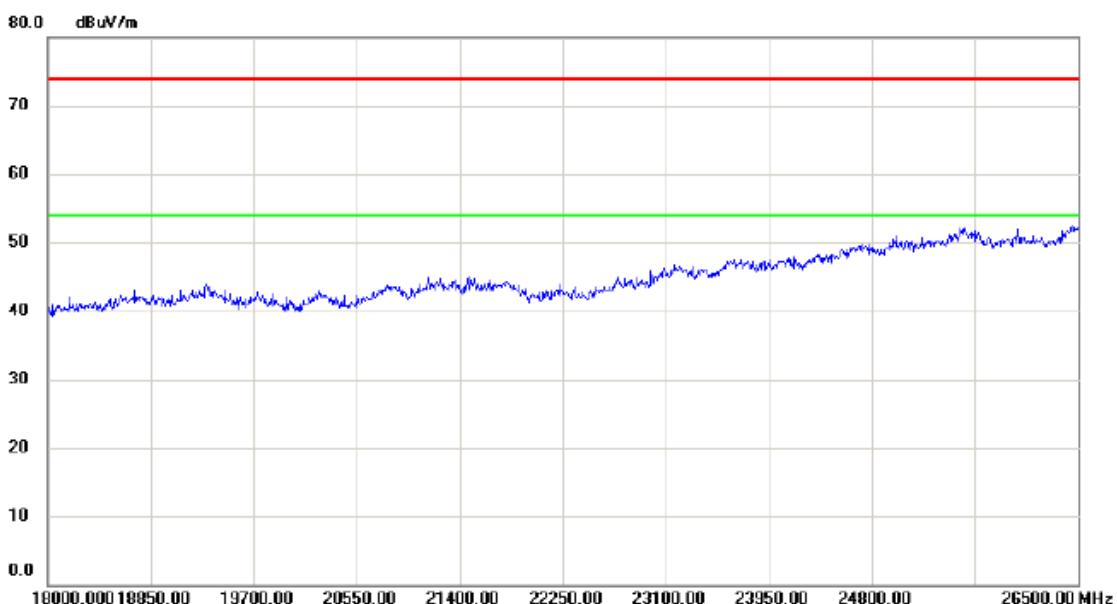
Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	2440.000	64.76	34.16	98.92	54.00	44.92	AVG No Limit
2	X	2440.275	70.70	34.17	104.87	74.00	30.87	peak No Limit

Orthogonal Axis :	X
Test Mode :	TX 2440MHz _CH19_1Mbps - Ant 4

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	4876.000	45.74	5.07	50.81	74.00	-23.19	peak
2		7324.000	39.34	11.40	50.74	74.00	-23.26	peak

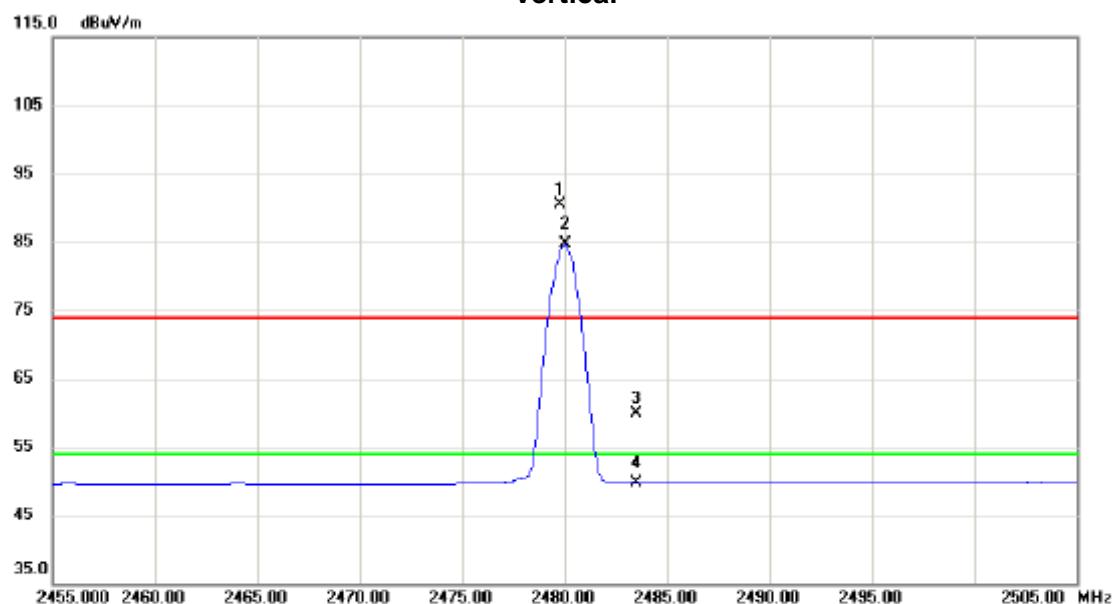


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment

Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps - Ant 4

Vertical



No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Margin	Comment
			dBuV	dB	dBuV/m	dB	Detector	
1	X	2479.775	56.16	34.40	90.56	74.00	16.56	peak No Limit
2	*	2480.000	50.21	34.40	84.61	54.00	30.61	AVG No Limit
3		2483.500	25.56	34.41	59.97	74.00	-14.03	peak
4		2483.500	15.38	34.41	49.79	54.00	-4.21	AVG

Orthogonal Axis : X

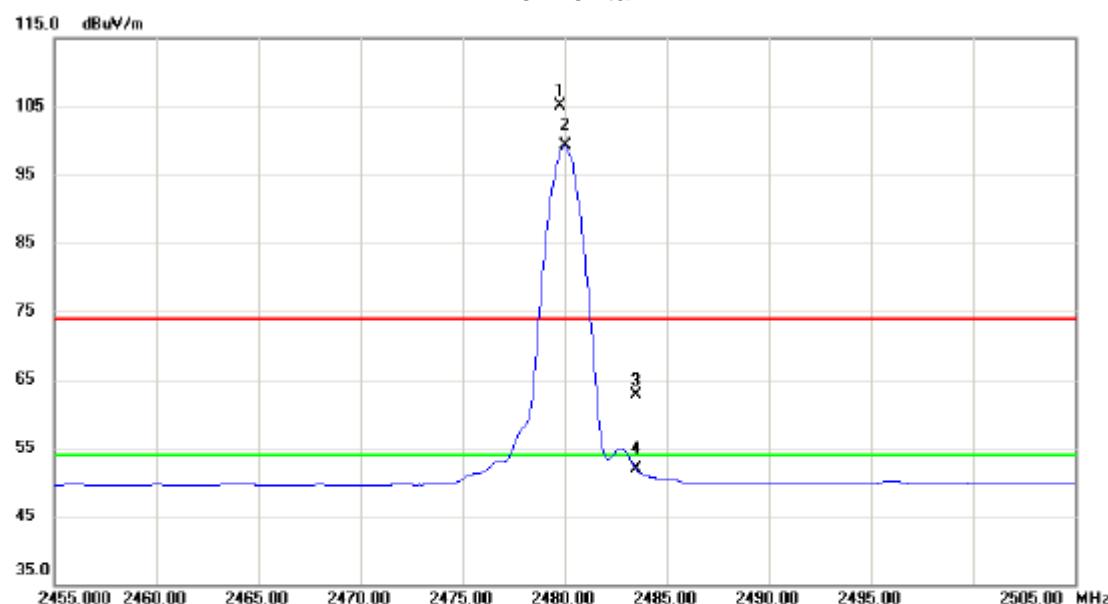
Test Mode : TX 2480MHz _CH39_1Mbps - Ant 4

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Margin	Detector	Comment
1		7439.410	44.30	12.50	56.80	74.00	-17.20	peak	
2	*	7439.425	33.97	12.50	46.47	54.00	-7.53	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz _CH39_1Mbps - Ant 4

Horizontal

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
1	X	2479.750	70.77	34.40	105.17	74.00	31.17	peak	No Limit
2	*	2480.000	64.86	34.40	99.26	54.00	45.26	AVG	No Limit
3		2483.500	28.25	34.41	62.66	74.00	-11.34	peak	
4		2483.500	17.53	34.41	51.94	54.00	-2.06	AVG	

Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps - Ant 4

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1		4961.000	44.26	5.44	49.70	74.00	-24.30	peak
2 *		7443.000	40.77	11.64	52.41	74.00	-21.59	peak

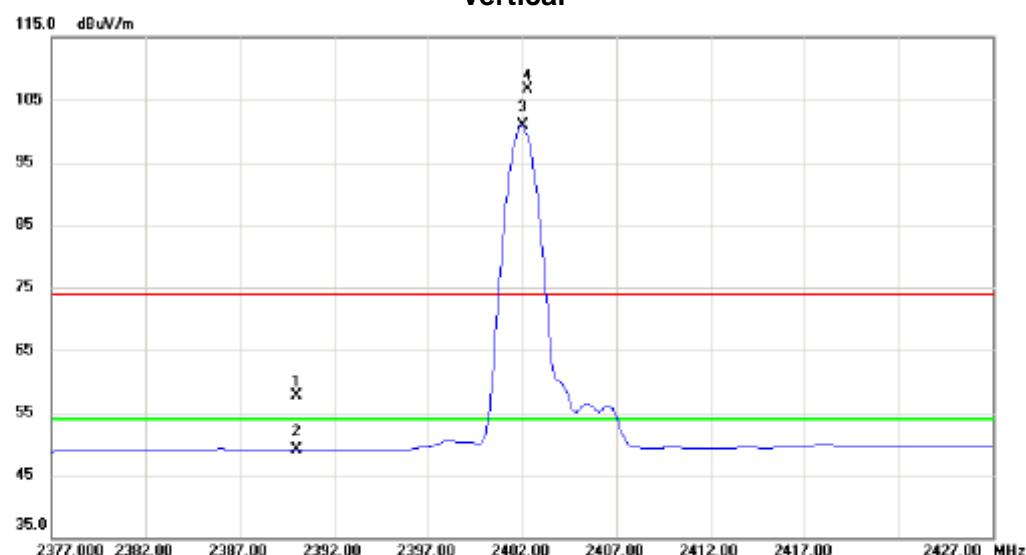


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps - Ant 5

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Comment
		MHz	dBuV	dB	dBuV/m	dB	Detector	
1		2390.000	23.90	33.87	57.77	74.00	-16.23	peak
2		2390.000	15.15	33.87	49.02	54.00	-4.98	AVG
3	*	2402.000	66.92	33.95	100.87	54.00	46.87	AVG No Limit
4	X	2402.300	72.83	33.95	106.78	74.00	32.78	peak No Limit

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps- Ant 5

Vertical

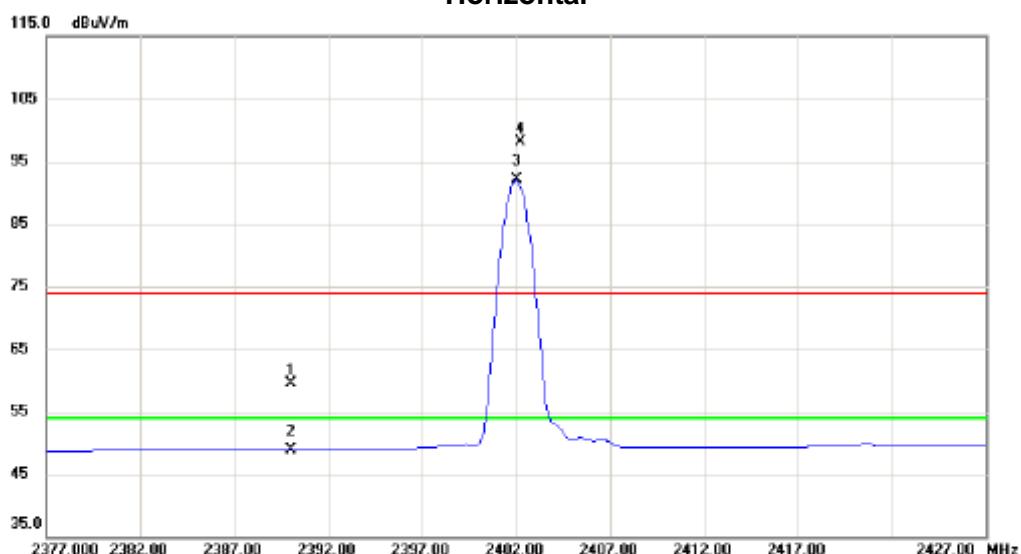


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	4803.972	47.01	5.35	52.36	54.00	-1.64	AVG
2		4804.488	55.25	5.36	60.61	74.00	-13.39	peak

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps- Ant 5

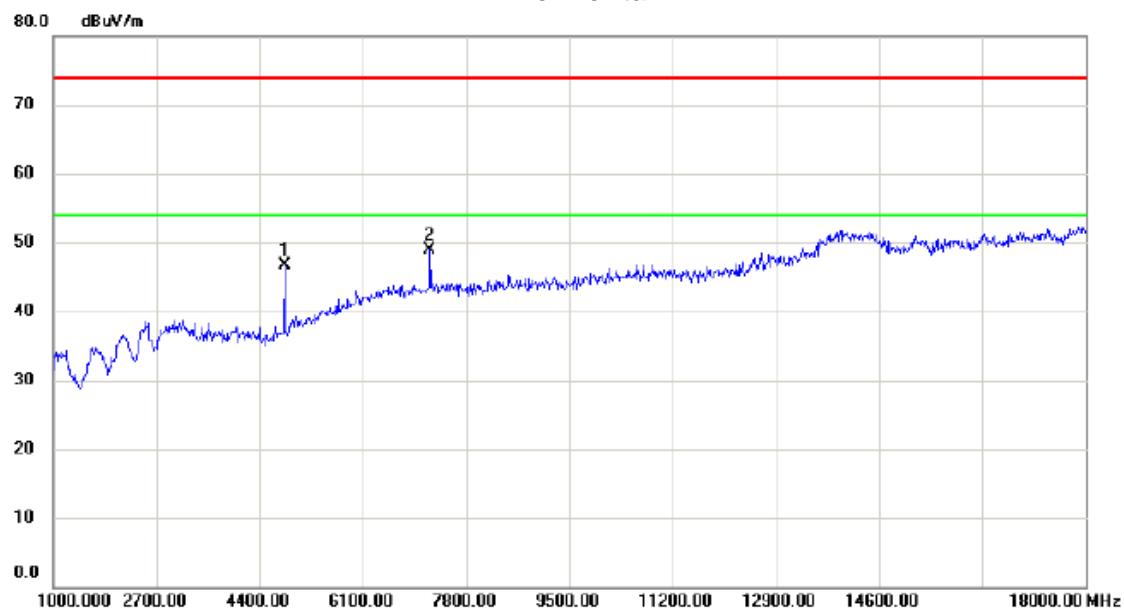
Horizontal



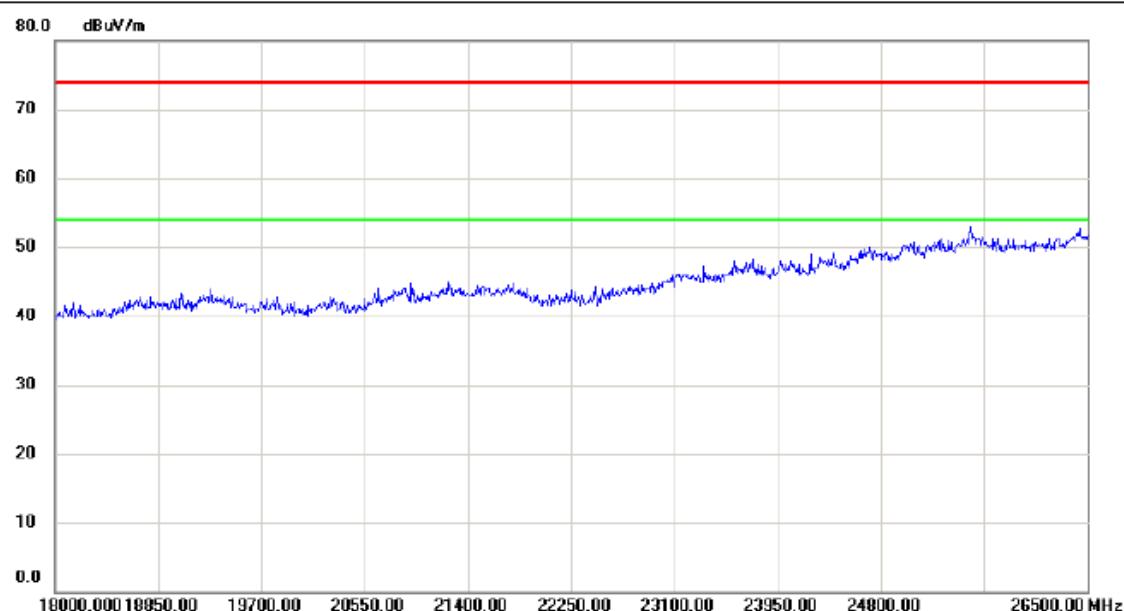
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1		2390.000	25.66	33.87	59.53	74.00	-14.47	peak
2		2390.000	15.08	33.87	48.95	54.00	-5.05	Avg
3	*	2402.000	58.08	33.95	92.03	54.00	38.03	Avg No Limit
4	X	2402.250	64.09	33.95	98.04	74.00	24.04	peak No Limit

Orthogonal Axis : X

Test Mode : TX 2402MHz _CH00_1Mbps- Ant 5

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1		4808.000	41.94	4.78	46.72	74.00	-27.28	peak
2 *		7205.000	37.82	11.16	48.98	74.00	-25.02	peak

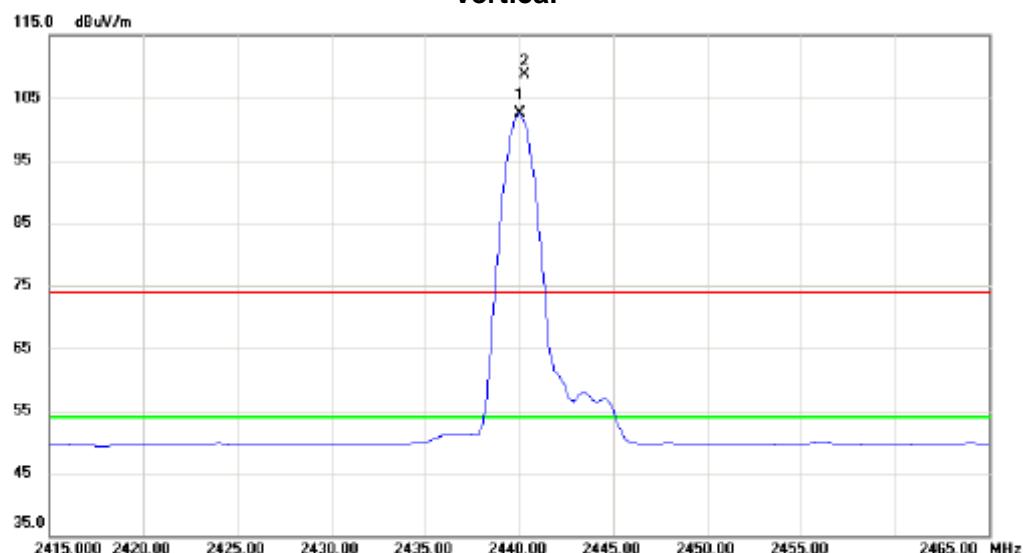


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps- Ant 5

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	2440.000	68.30	34.16	102.46	54.00	48.46	AVG No Limit
2	X	2440.275	74.50	34.17	108.67	74.00	34.67	peak No Limit

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps- Ant 5

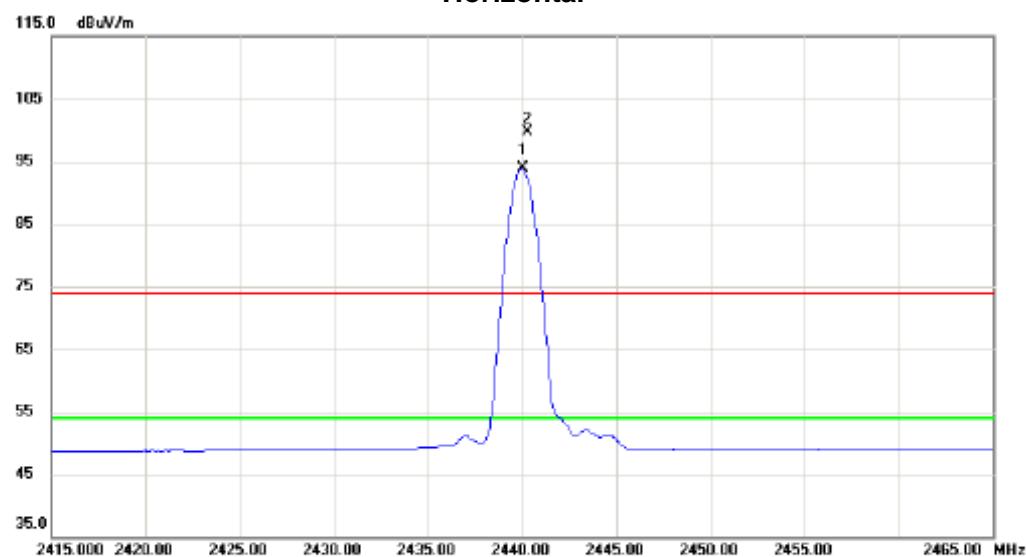
Vertical



No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Margin	Comment
			dBuV	dB	dBuV/m	dB	Detector	
1	*	4879.958	47.15	5.72	52.87	54.00	-1.13	AVG
2		4880.568	55.22	5.72	60.94	74.00	-13.06	peak

Orthogonal Axis : X

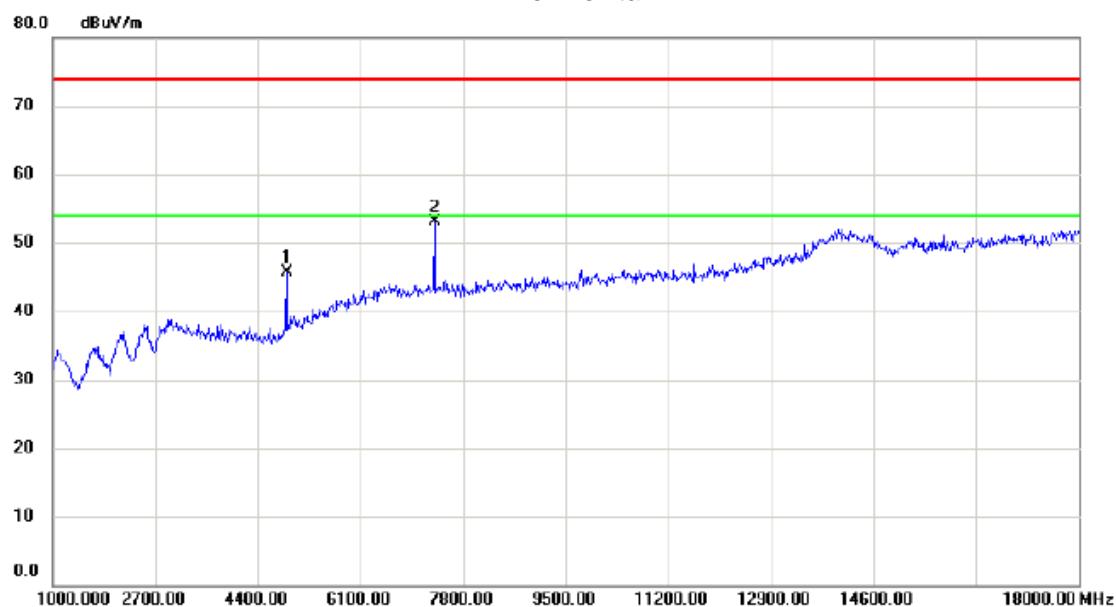
Test Mode : TX 2440MHz _CH19_1Mbps- Ant 5

Horizontal

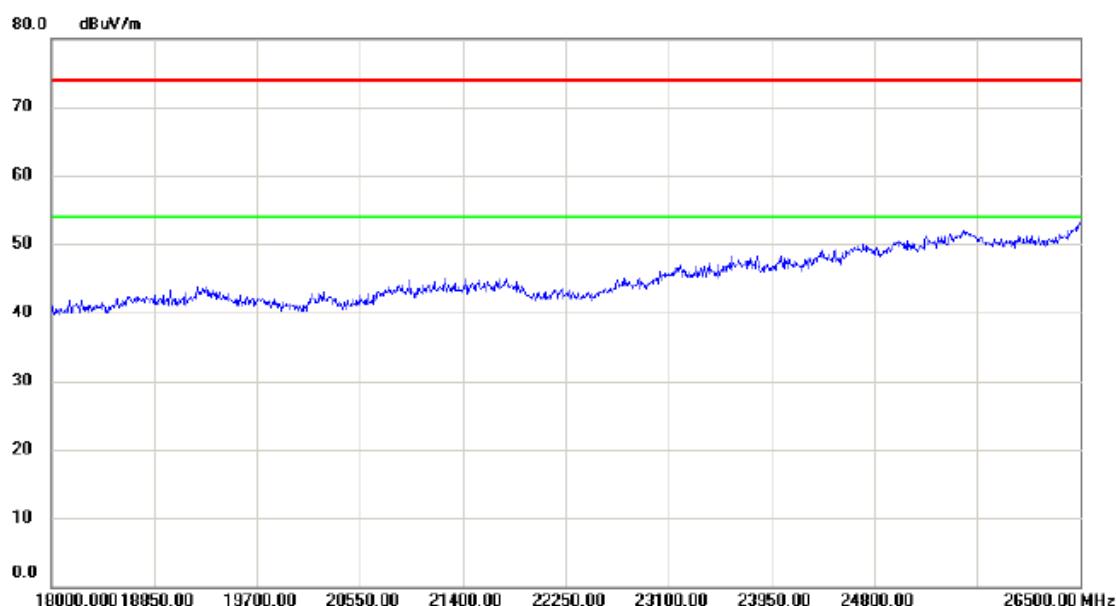
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	*	2440.000	59.74	34.16	93.90	54.00	39.90	AVG No Limit
2	X	2440.275	65.50	34.17	99.67	74.00	25.67	peak No Limit

Orthogonal Axis : X

Test Mode : TX 2440MHz _CH19_1Mbps- Ant 5

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1		4876.000	40.60	5.07	45.67	74.00	-28.33	peak
2 *		7324.000	41.71	11.40	53.11	74.00	-20.89	peak

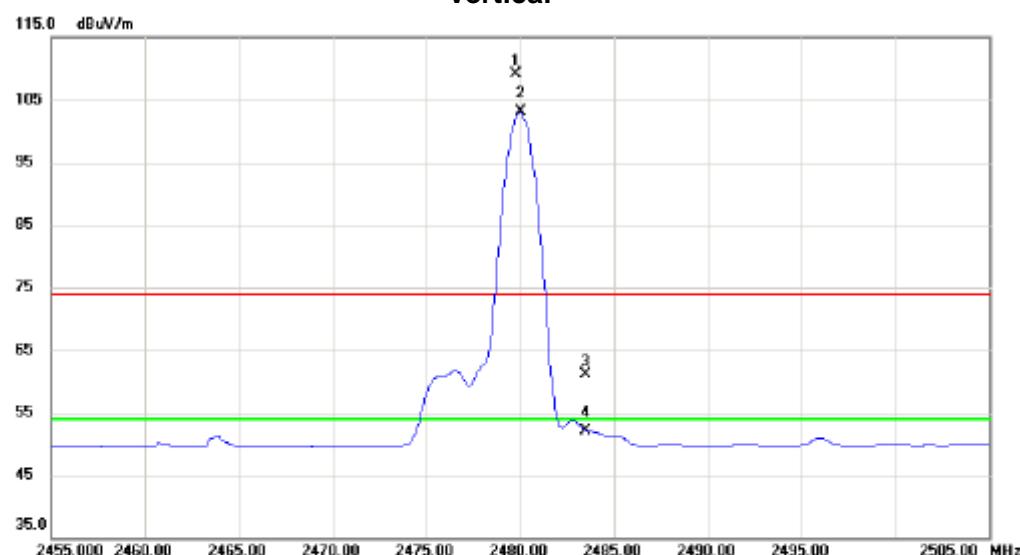


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment

Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps- Ant 5

Vertical



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	X	2479.775	74.79	34.40	109.19	74.00	35.19	peak	No Limit
2	*	2480.000	68.65	34.40	103.05	54.00	49.05	AVG	No Limit
3		2483.500	26.71	34.41	61.12	74.00	-12.88	peak	
4		2483.500	17.72	34.41	52.13	54.00	-1.87	AVG	

Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps- Ant 5

Vertical

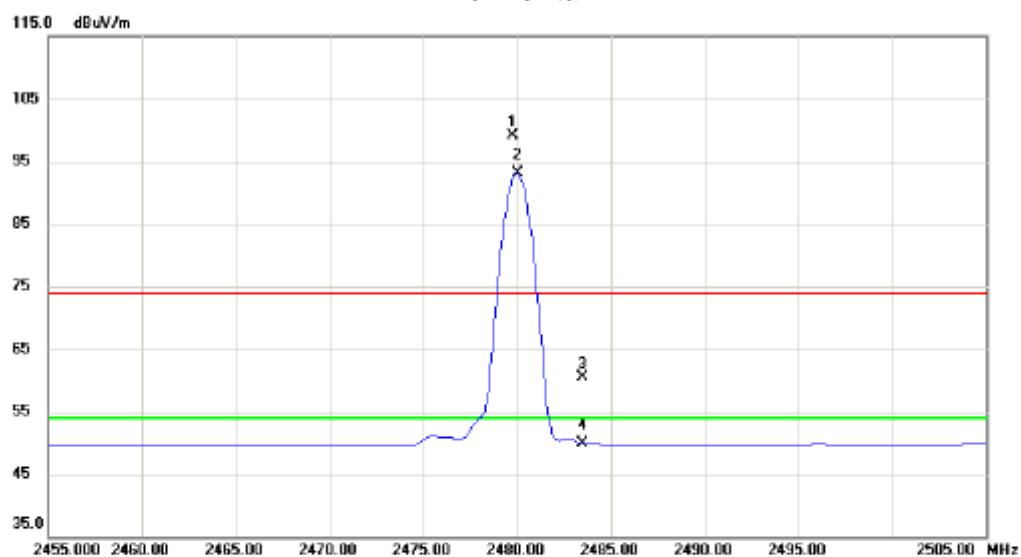


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4959.552	54.73	6.11	60.84	74.00	-13.16	peak	
2	*	4959.910	46.69	6.11	52.80	54.00	-1.20	AVG	

Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps- Ant 5

Horizontal



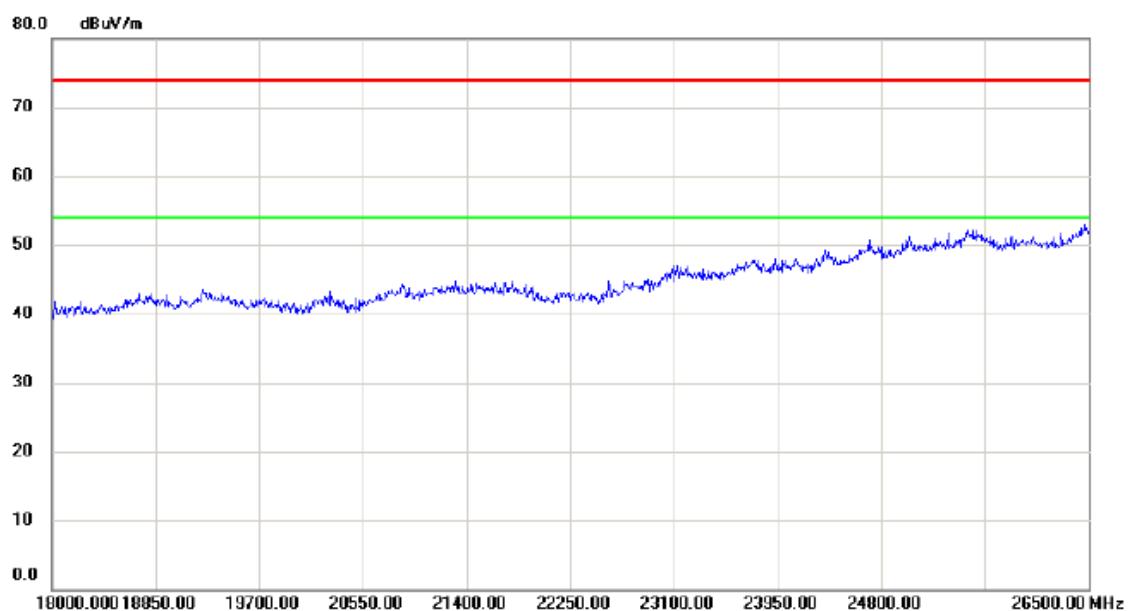
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dB	Detector	Comment
1	X	2479.775	64.73	34.40	99.13	74.00	25.13	peak No Limit
2	*	2480.000	58.77	34.40	93.17	54.00	39.17	AVG No Limit
3		2483.500	26.17	34.41	60.58	74.00	-13.42	peak
4		2483.500	15.56	34.41	49.97	54.00	-4.03	AVG

Orthogonal Axis : X

Test Mode : TX 2480MHz _CH39_1Mbps- Ant 5

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4961.000	37.70	5.44	43.14	74.00	-30.86	peak	
2 *		7443.000	40.87	11.64	52.51	74.00	-21.49	peak	



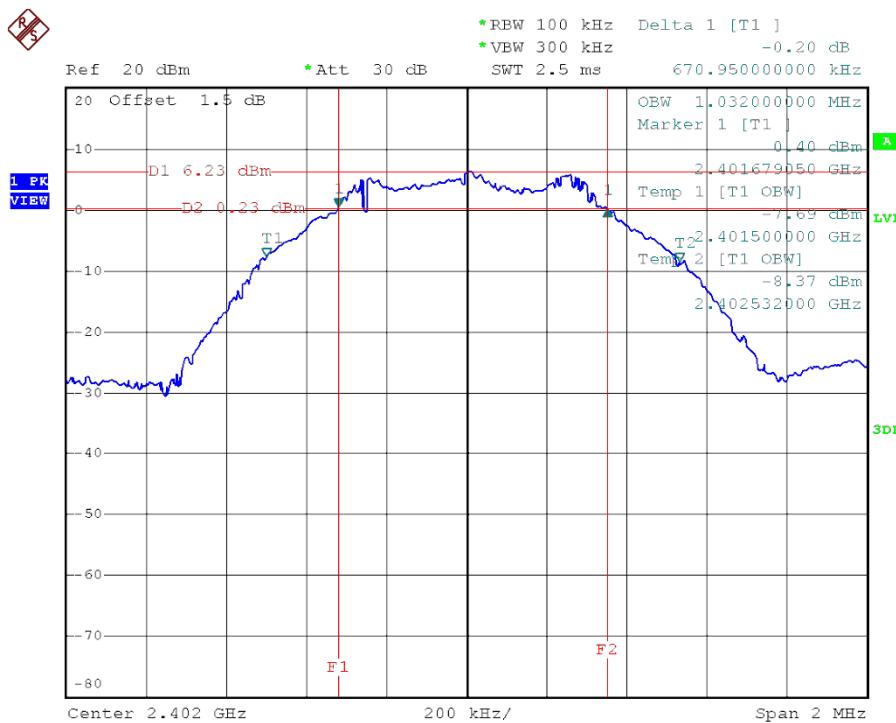
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
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ATTACHMENT E - BANDWIDTH

Test Mode :	CH00, CH19 , CH39 - 1Mbps
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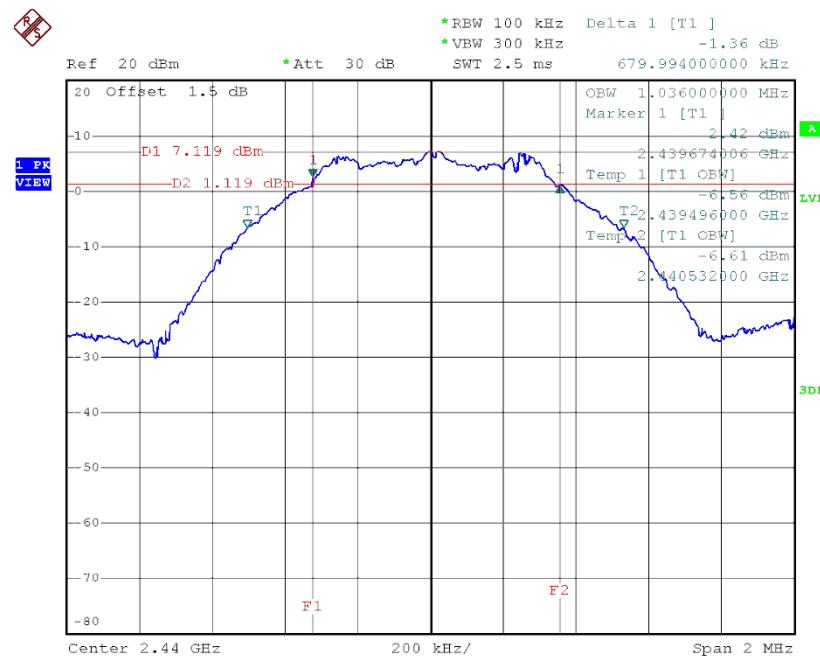
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2402	0.67	1.03	500	Complies
2440	0.68	1.04	500	Complies
2480	0.69	1.04	500	Complies

TX CH00



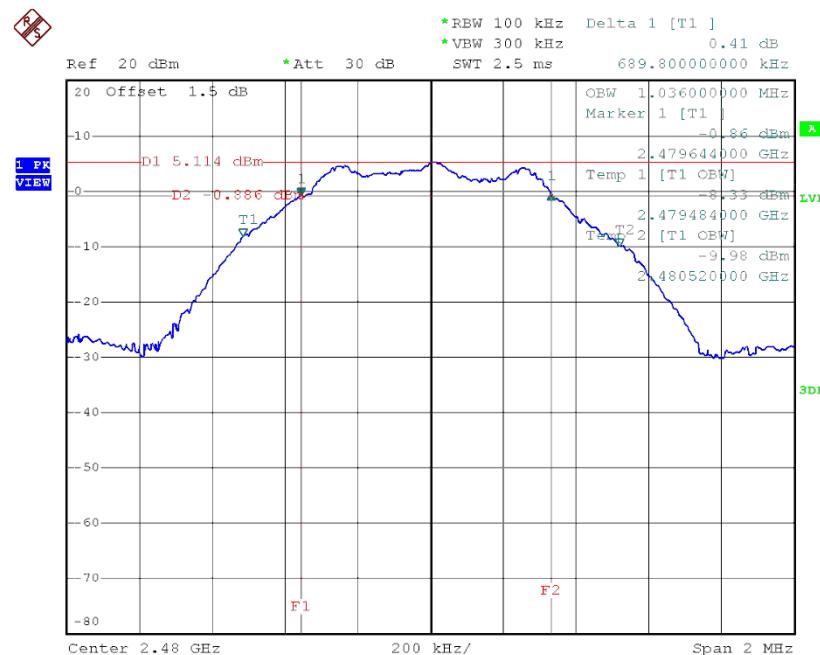
Date: 9.OCT.2016 09:37:08

TX CH19



Date: 9.OCT.2016 09:38:46

TX CH39



Date: 9.OCT.2016 09:40:20

ATTACHMENT F - MAXIMUM OUTPUT POWER TEST

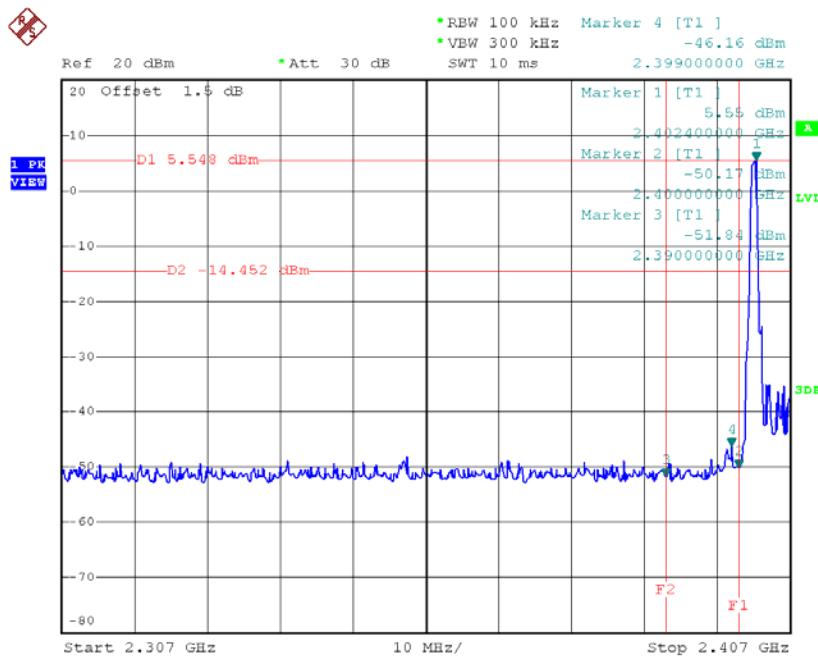
Test Mode :	CH00, CH19 , CH39 - 1Mbps
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (Watt)	Max. Limit (dBm)	Max. Limit (Watt)	Test Result
2402	6.20	0.0042	25	0.316	Complies
2440	7.23	0.0053	25	0.316	Complies
2480	5.14	0.0033	25	0.316	Complies

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

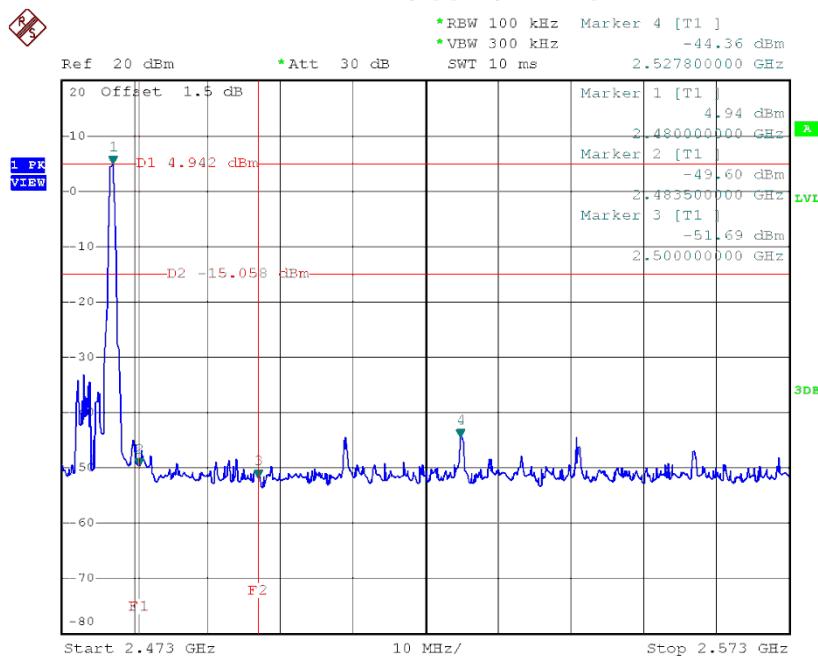
Test Mode : CH00, CH19 , CH39 - 1Mbps

CH00 (Lower) - 1Mbps



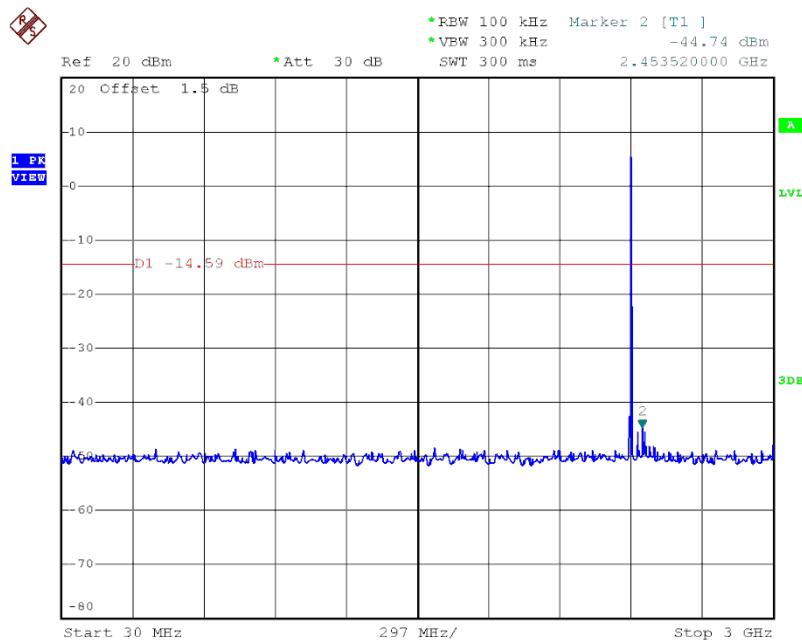
Date: 9.OCT.2016 09:37:17

CH39 (upper) - 1Mbps

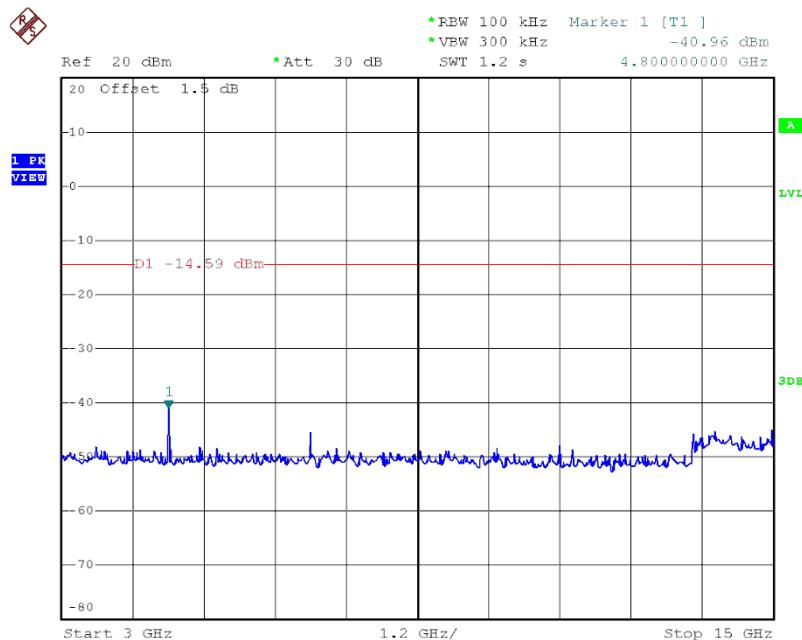


Date: 9.OCT.2016 09:40:29

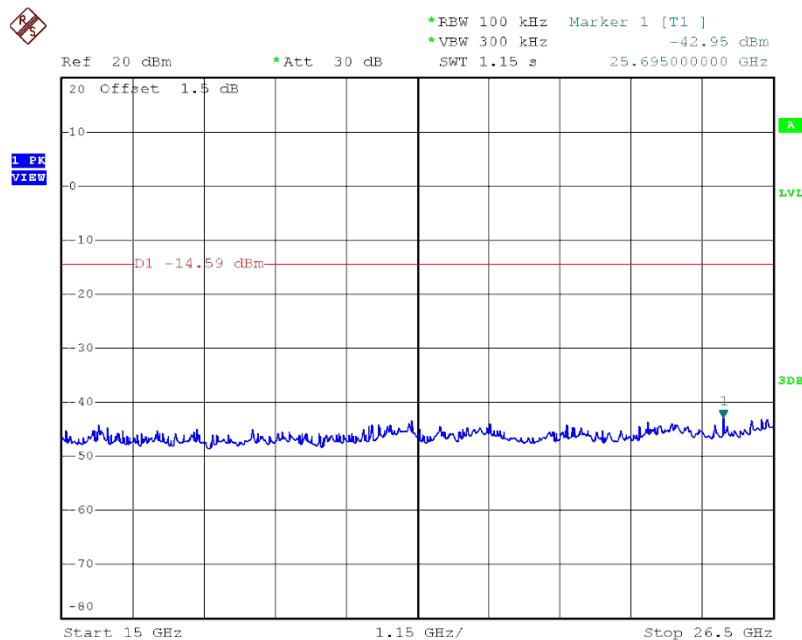
CH00 (10 Harmonic of the frequency)



Date: 9.OCT.2016 09:37:32

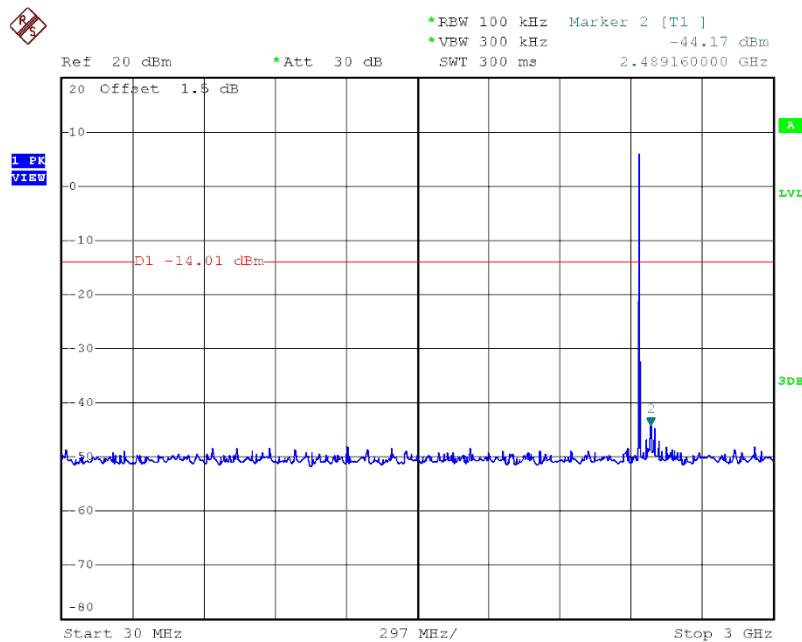


Date: 9.OCT.2016 09:37:41

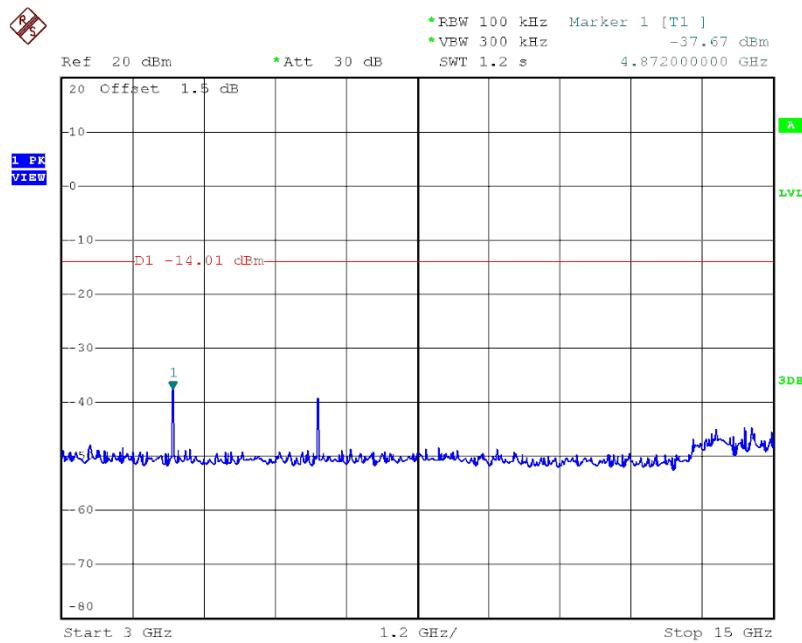


Date: 9.OCT.2016 09:37:50

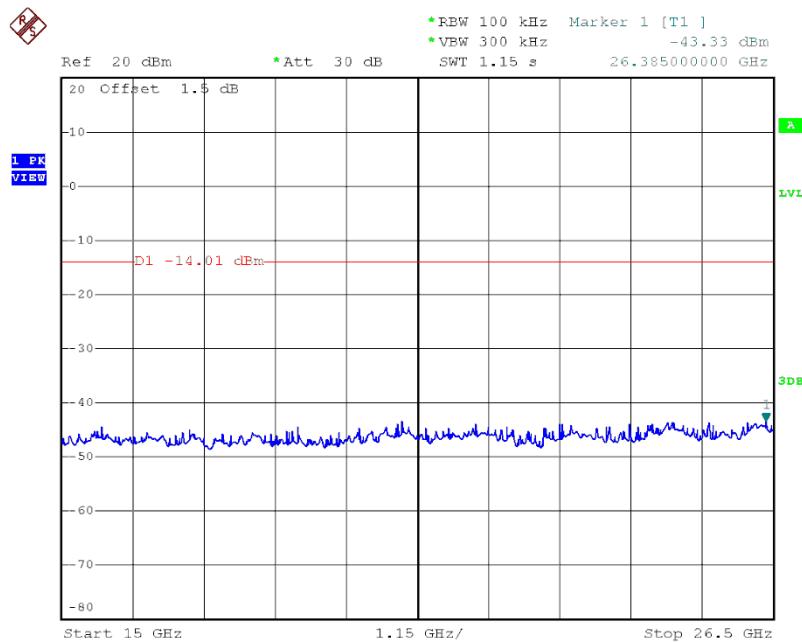
CH19 (10 Harmonic of the frequency)



Date: 9.OCT.2016 09:39:01

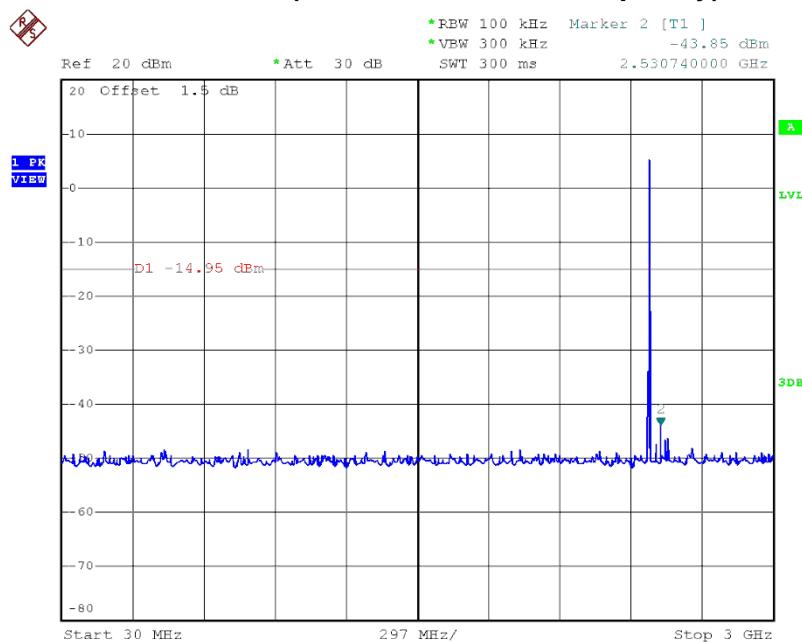


Date: 9.OCT.2016 09:39:10

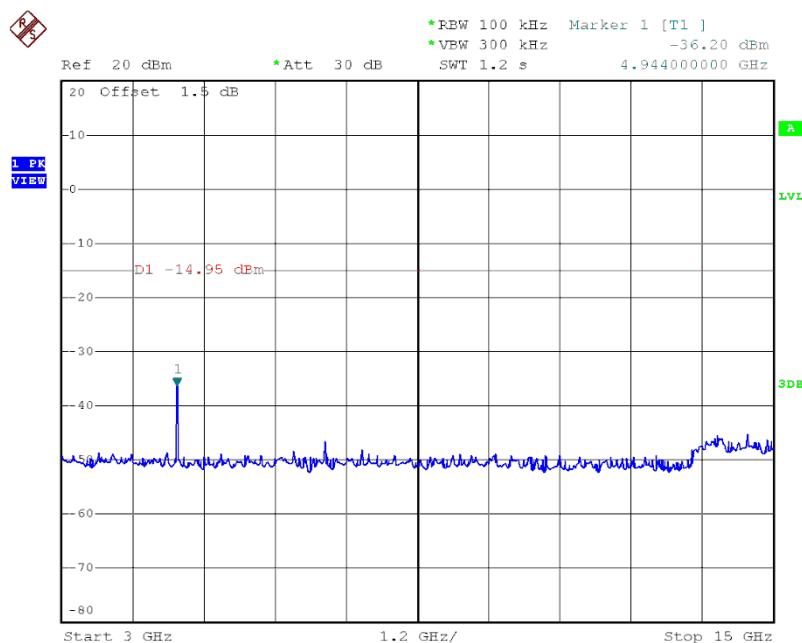


Date: 9.OCT.2016 09:39:19

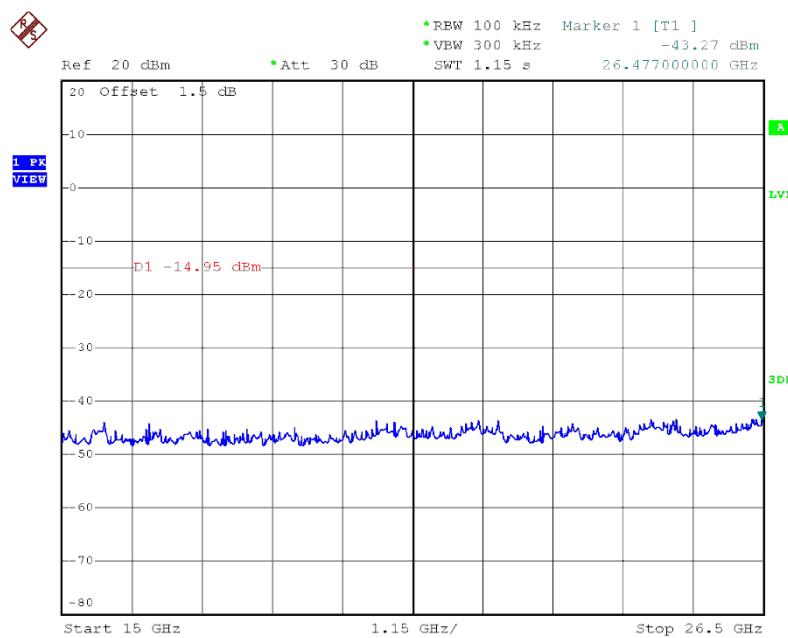
CH39 (10 Harmonic of the frequency)



Date: 9.OCT.2016 09:40:44



Date: 9.OCT.2016 09:40:53



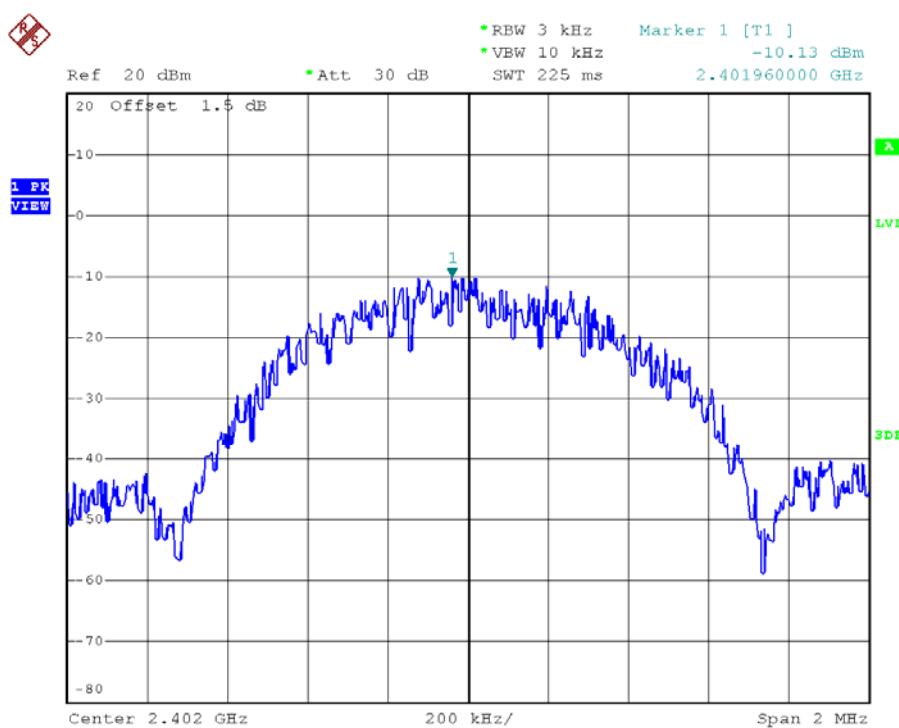
Date: 9.OCT.2016 09:41:02

ATTACHMENT H - POWER SPECTRAL DENSITY TEST

Test Mode : CH00, CH19 , CH39 - 1Mbps

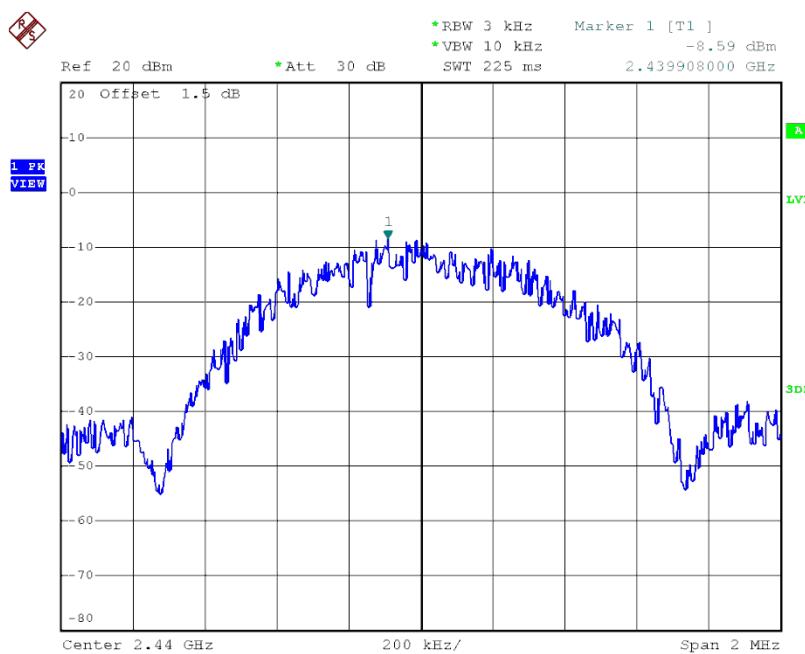
Frequency (MHz)	Power Density (dBm)	Max. Limit (dBm)	Result
2402	-10.13	3	Complies
2440	-8.59	3	Complies
2480	-10.65	3	Complies

TX CH00



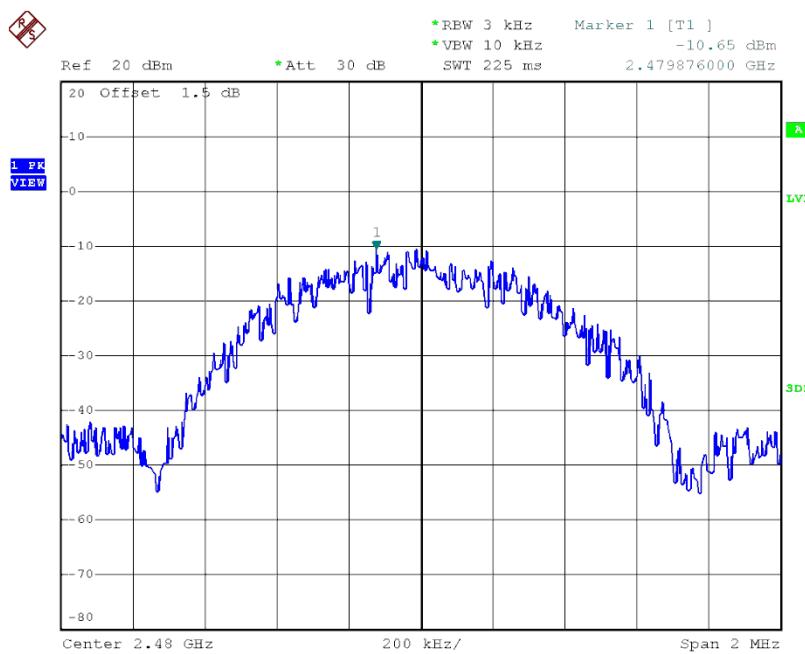
Date: 9.OCT.2016 09:37:57

TX CH19



Date: 9.OCT.2016 09:39:25

TX CH39



Date: 9.OCT.2016 09:41:09