

# FCC Radio Test Report

## FCC ID: P27SZSMK02

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

**Project No.** : 1701011  
**Equipment** : ZigBee Smoke Alarm  
**Test Model** : SZ-SMK02  
**Series Model** : SZ-SMK02xxxxxxxx (the 1st x should be "blank" or "-"; the rest x could be 0 to 9, A to Z, "blank" or "-"; for marking purpose)  
**Applicant** : SercommCorporation  
**Address** : 8F, No. 3-1, YuanQu St., NanKang, Taipei, Taiwan  
115

**Date of Receipt** : Jan. 05, 2017  
**Date of Test** : Jan. 05, 2017 ~ Jan. 16, 2017  
**Issued Date** : Jan. 17, 2017  
**Tested by** : BTL Inc.

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### **Limitation**

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Table of Contents	Page
<b>1 . CERTIFICATION</b>	<b>6</b>
<b>2 . SUMMARY OF TEST RESULTS</b>	<b>7</b>
2.1 TEST FACILITY	8
2.1.1 MEASUREMENT UNCERTAINTY	8
<b>3 . GENERAL INFORMATION</b>	<b>9</b>
3.1 GENERAL DESCRIPTION OF EUT	9
3.2 DESCRIPTION OF TEST MODES	10
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING	10
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	11
3.5 DESCRIPTION OF SUPPORT UNITS	11
<b>4 . EMC EMISSION TEST</b>	<b>12</b>
4.1 CONDUCTED EMISSION MEASUREMENT	12
4.1.1 POWER LINE CONDUCTED EMISSION LIMITS	12
4.1.2 TEST PROCEDURE	12
4.1.3 DEVIATION FROM TEST STANDARD	12
4.1.4 TEST SETUP	13
4.1.5 EUT OPERATING CONDITIONS	13
4.1.6 EUT TEST CONDITIONS	13
4.1.7 TEST RESULTS	13
4.2 RADIATED EMISSION MEASUREMENT	14
4.2.1 RADIATED EMISSION LIMITS	14
4.2.2 TEST PROCEDURE	15
4.2.3 DEVIATION FROM TEST STANDARD	15
4.2.4 TEST SETUP	16
4.2.5 EUT TEST CONDITIONS	17
4.2.6TEST RESULTS (9KHZ TO 30MHZ)	17
4.2.6TEST RESULTS (BETWEEN 30MHZ TO 1000 MHZ)	17
4.2.6TEST RESULTS (ABOVE 1000 MHZ)	17
<b>5 . BANDWIDTH TEST</b>	<b>18</b>
5.1 APPLIED PROCEDURES / LIMIT	18
5.1.1 TEST PROCEDURE	18
5.1.2 DEVIATION FROM STANDARD	18
5.1.3 TEST SETUP	18
5.1.4 EUT OPERATION CONDITIONS	18
5.1.5 EUT TEST CONDITIONS	18
5.1.6 TEST RESULTS	18
<b>6 . MAXIMUM OUTPUT POWER TEST</b>	<b>19</b>

<b>Table of Contents</b>	<b>Page</b>
<b>6.1 APPLIED PROCEDURES / LIMIT</b>	<b>19</b>
6.1.1 TEST PROCEDURE	19
6.1.2 DEVIATION FROM STANDARD	19
6.1.3 TEST SETUP	19
6.1.4 EUT OPERATION CONDITIONS	19
6.1.5 EUT TEST CONDITIONS	19
6.1.6 TEST RESULTS	19
<b>7 . ANTENNA CONDUCTED SPURIOUS EMISSION</b>	<b>20</b>
7.1 APPLIED PROCEDURES / LIMIT	20
7.1.1 TEST PROCEDURE	20
7.1.2 DEVIATION FROM STANDARD	20
7.1.3 TEST SETUP	20
7.1.4 EUT OPERATION CONDITIONS	20
7.1.5 EUT OPERATION CONDITIONS	20
7.1.6 TEST RESULTS	20
<b>8 . POWER SPECTRAL DENSITY TEST</b>	<b>21</b>
8.1 APPLIED PROCEDURES / LIMIT	21
8.1.1 TEST PROCEDURE	21
8.1.2 DEVIATION FROM STANDARD	21
8.1.3 TEST SETUP	21
8.1.4 EUT OPERATION CONDITIONS	21
8.1.5 EUT TEST CONDITIONS	21
8.1.6 TEST RESULTS	21
<b>9 . MEASUREMENT INSTRUMENTS LIST</b>	<b>22</b>
<b>10 . EUT TEST PHOTO</b>	<b>24</b>
<b>ATTACHMENT A - CONDUCTED EMISSION</b>	<b>27</b>
<b>ATTACHMENT B - RADIATED EMISSION (9KHZ TO 30MHZ)</b>	<b>28</b>
<b>ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)</b>	<b>33</b>
<b>ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)</b>	<b>36</b>
<b>ATTACHMENT E - BANDWIDTH</b>	<b>65</b>
<b>ATTACHMENT F - MAXIMUM OUTPUT POWER TEST</b>	<b>70</b>
<b>ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION</b>	<b>71</b>
<b>ATTACHMENT H - POWER SPECTRAL DENSITY TEST</b>	<b>80</b>

### REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1701011	Original Issue.	Jan. 17, 2017

## 1. CERTIFICATION

Equipment : ZigBee Smoke Alarm  
Brand Name : Sercomm  
Test Model : SZ-SMK02  
Series Model : SZ-SMK02xxxxxxx (the 1st x should be "blank" or "-"; the rest x could be 0 to 9, A to Z, "blank" or "-"; for marking purpose)  
Applicant : SercommCorporation  
Manufacturer : SERCOMM CORP  
Address : 3F 81 YUYI RD CHU-NAN MIAO-LI, 350 TAIWAN  
Factory : SERCOMM CORP  
Address : 3F 81 YUYI RD CHU-NAN MIAO-LI, 350 TAIWAN  
Date of Test : Jan. 05, 2017 ~ Jan. 16, 2017  
Test Sample : Engineering Sample  
Standard(s) : FCC Part15, Subpart C (15.247) / ANSI C63.10-2013

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1701011) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C			
Standard(s) Section	Test Item	Judgment	Remark
15.207	Conducted Emission	N/A	NOTE (1)
15.247(d)	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	6dB Bandwidth	PASS	
15.247(b)(3)	Peak Output Power	PASS	
15.247(e)	Power Spectral Density	PASS	
15.203	Antenna Requirement	PASS	
15.209/15.205	Transmitter Radiated Emissions	PASS	

NOTE:

(1) "N/A" denotes test is not applicable to this device.

## 2.1 TEST FACILITY

The test facilities used to collect the test data in this report:

### Radiated emission Test (Below 1GHz):

**CB15:** (FCC RN:674415; FCC DN:TW0659)

No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

### Radiated emission Test (Above 1GHz):

**CB15:** (FCC RN:674415; FCC DN:TW0659)

No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

### 2.1.1 MEASUREMENT UNCERTAINTY

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

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

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

#### A. Radiated Measurement:

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

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

Test Site	Method	Measurement Frequency Range	Ant.	$U$ ,(dB)
CB15 (3m)	CISPR	1GHz ~ 6GHz	V	4.48
		1GHz ~ 6GHz	H	4.50
		6GHz ~ 18GHz	V	4.30
		6GHz ~ 18GHz	H	4.14

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

Our calculated Measurement Instrumentation Uncertainty is shown in the tables above. These are our  $U_{lab}$  values in CISPR 16-4-2 terminology.

Since Table 1 of CISPR 16-4-2 has values of measurement instrumentation uncertainty, called  $U_{CISPR}$ , as follows:

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

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

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

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

Equipment	ZigBee Smoke Alarm	
Brand Name	Sercomm	
Test Model	SZ-SMK02	
Series Model	SZ-SMK02xxxxxxx (the 1st x should be “blank” or “-” ; the rest x could be 0 to 9, A to Z, “blank” or “-” ; for marking purpose)	
Model Difference	The market distribution is different only.	
Power Source	DC voltage supplied from Battery.	
Power Rating	DC 3V	
Products Covered	1 * Battery: Panasonic / CR123A	
Product Description	Operation Frequency	2405~2480 MHz
	Modulation Technology	OQPSK
	Bit Rate of Transmitter	250Kbps
	Output Power (Max.)	8.22 dBm

Note:

- For a more detailed features description, please refer to the manufacturer’s specifications or the user’s manual.
- Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
11	2405	19	2445
12	2410	20	2450
13	2415	21	2455
14	2420	22	2460
15	2425	23	2465
16	2430	24	2470
17	2435	25	2475
18	2440	26	2480

3. Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Sercomm	SZ-SMK02	Printed	N/A	2.71

### 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 <b>NOTE (1)</b>

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

For Radiated Test	
Final Test Mode	Description
Mode 1	TX Mode <b>NOTE (1)</b>

Note:

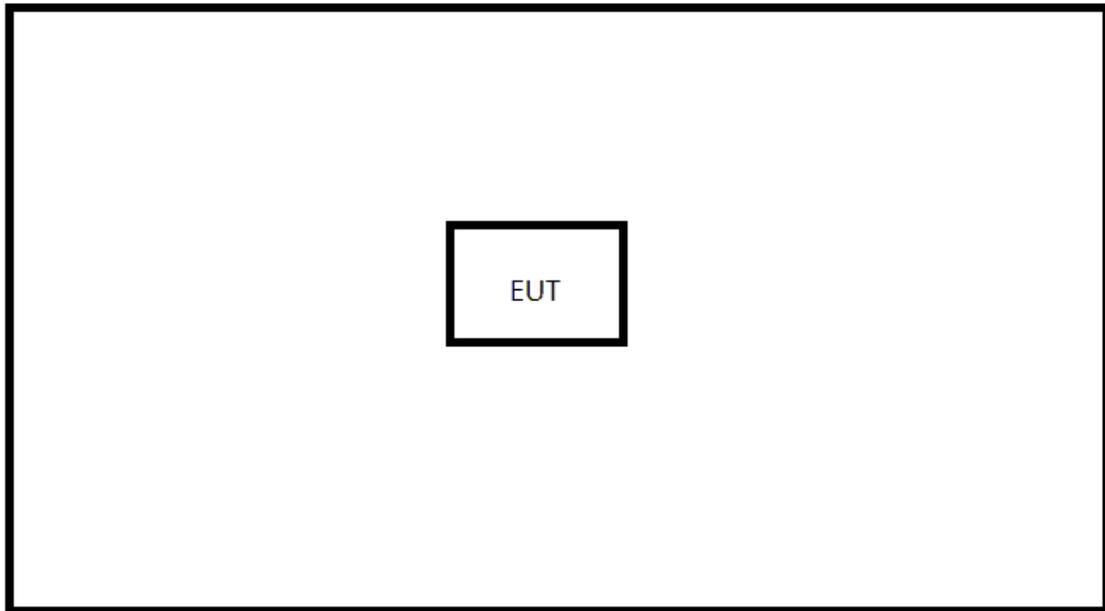
(1) The measurements are performed at the high, middle, low available channels.

### 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 IEEE 802.15.4.

Test Software Version	N/A		
Frequency (MHz)	2405	2425	2440
IEEE 802.15.4	8	8	8
Frequency (MHz)	2445	2450	2475
IEEE 802.15.4	8	8	8
Frequency (MHz)	2480		
IEEE 802.15.4	-2		

**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.
-	-	-	-	-	-

Item	Shielded Type	Ferrite Core	Length	Note
-	-	-	-	-

## 4. EMC EMISSION TEST

### 4.1 CONDUCTED EMISSION MEASUREMENT

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

Frequency of Emission (MHz)	Conducted Limit (dB $\mu$ 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 = Antenna Factor + Cable Loss - Amplifier Gain(if use)  
 Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

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

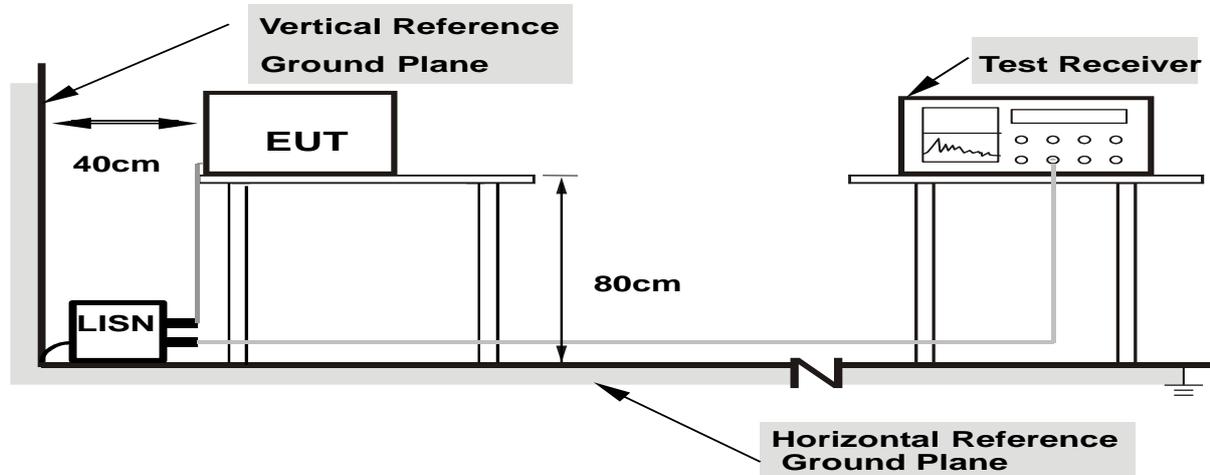
#### 4.1.2 TEST PROCEDURE

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

#### 4.1.3 DEVIATION FROM TEST STANDARD

No deviation

#### 4.1.4 TEST SETUP



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

#### 4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical function (as a customer would normally use it), EUT was programmed to be in continuously transmitting/receiving data or hopping on mode.

#### 4.1.6 EUT TEST CONDITIONS

Temperature: N/A  
 Relative Humidity: N/A  
 Test Voltage: N/A

#### 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), 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

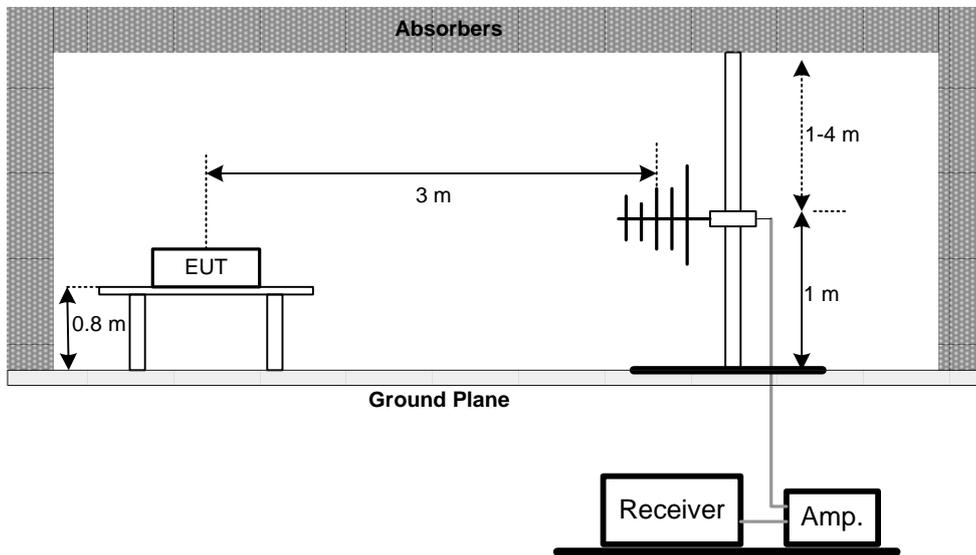
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance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

#### 4.2.3 DEVIATION FROM TEST STANDARD

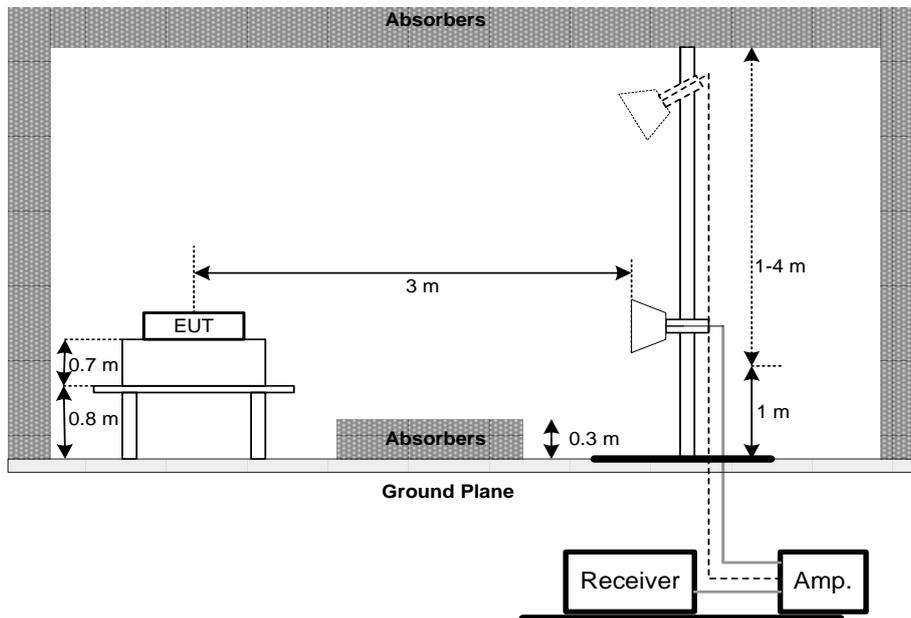
No deviation

**4.2.4 TEST SETUP**

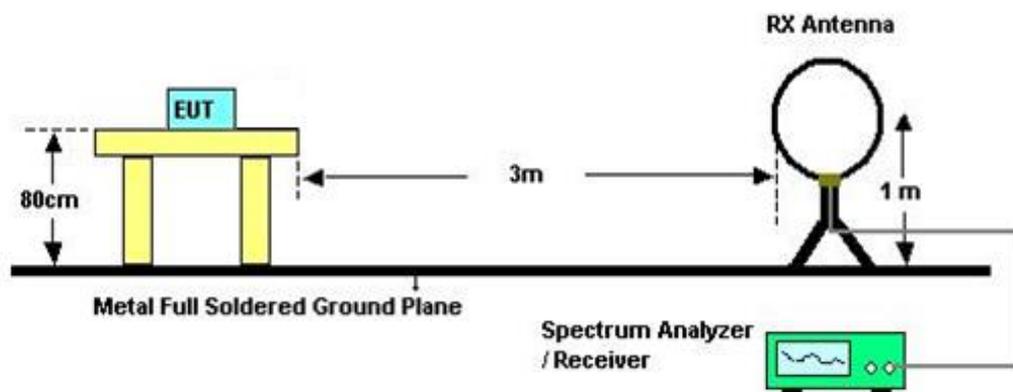
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



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



(C) For radiated emissions below 30MHz



#### 4.2.5 EUT TEST CONDITIONS

Temperature: 23°C

Relative Humidity: 70%

Test Voltage: DC 3V

#### 4.2.6 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.

#### 4.2.6 TEST RESULTS (BETWEEN 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.

#### 4.2.6 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

- (1) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission
- (2) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (3) EUT Orthogonal Axis:  
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (4) 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
- (5) 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				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{KHz}$ (6dB bandwidth)	2405~2480 MHz	PASS

#### 5.1.1 TEST PROCEDURE

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

#### 5.1.2 DEVIATION FROM STANDARD

No deviation.

#### 5.1.3 TEST SETUP



#### 5.1.4 EUT OPERATION CONDITIONS

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

#### 5.1.5 EUT TEST CONDITIONS

Temperature: 25°C  
 Relative Humidity: 55%  
 Test Voltage: DC 3V

#### 5.1.6 TEST RESULTS

Please refer to the Attachment E.

## 6. MAXIMUM OUTPUT POWER TEST

### 6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Maximum Output Power	1 watt or 30dBm	2405~2480 MHz	PASS

#### 6.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
- b. The maximum peak conducted output power was performed in accordance with method 9.1.2 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. Transmit output power was measured while the host equipment supply voltage was varied from 85 % to 115 % of the nominal rated supply voltage. No change in transmit output power was observed.

#### 6.1.5 EUT TEST CONDITIONS

Temperature: 25°C  
 Relative Humidity: 55%  
 Test Voltage: DC 3V

#### 6.1.6 TEST RESULTS

Please refer to the Attachment F.

## 7. ANTENNA CONDUCTED SPURIOUS EMISSION

### 7.1 APPLIED PROCEDURES / LIMIT

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

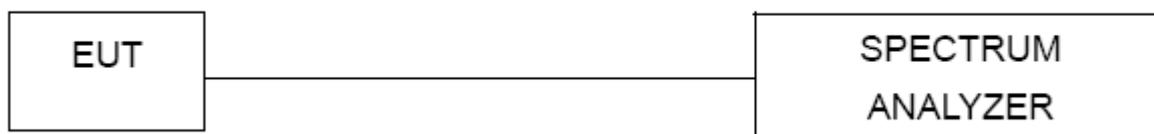
#### 7.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 100KHz, VBW=300KHz, Sweep time = 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: DC 3V

#### 7.1.6 TEST RESULTS

Please refer to the Attachment G.

## 8. POWER SPECTRAL DENSITY TEST

### 8.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	8 dBm (in any 3KHz)	2405~2480 MHz	PASS

#### 8.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW=3KHz, VBW=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: DC 3V

#### 8.1.6 TEST RESULTS

Please refer to the Attachment H.

## 9. MEASUREMENT INSTRUMENTS LIST

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Preamplifier	EMCI	012645B	980267	Mar. 01, 2017
2	Preamplifier	EMCI	EMC02325	980217	Dec. 30, 2017
3	Test Cable	EMCI	EMC104-SM-S M-8000	8m	Jan. 04, 2018
4	Test Cable	EMCI	EMC104-SM-S M-800	150207	Jan. 04, 2018
5	Test Cable	EMCI	EEMC104-SM- SM-3000	151205	Jan. 04, 2018
6	MXE EMI Receiver	Agilent	N9038A	MY55420127	Jan. 10, 2018
7	Signal Analyzer	Agilent	N9010A	MY52220990	Feb. 23, 2017
8	Loop Ant	EMCO	6502	42960	Nov. 24, 2017
9	Horn Ant	SCHWARZBECK	BBHA 9120D	9120D-1342	Mar. 01, 2017
10	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-548	Jan. 17, 2017
11	5dB Attenuator	EMCI	EMCI-N-6-05	AT-N0623	Jan. 17, 2017

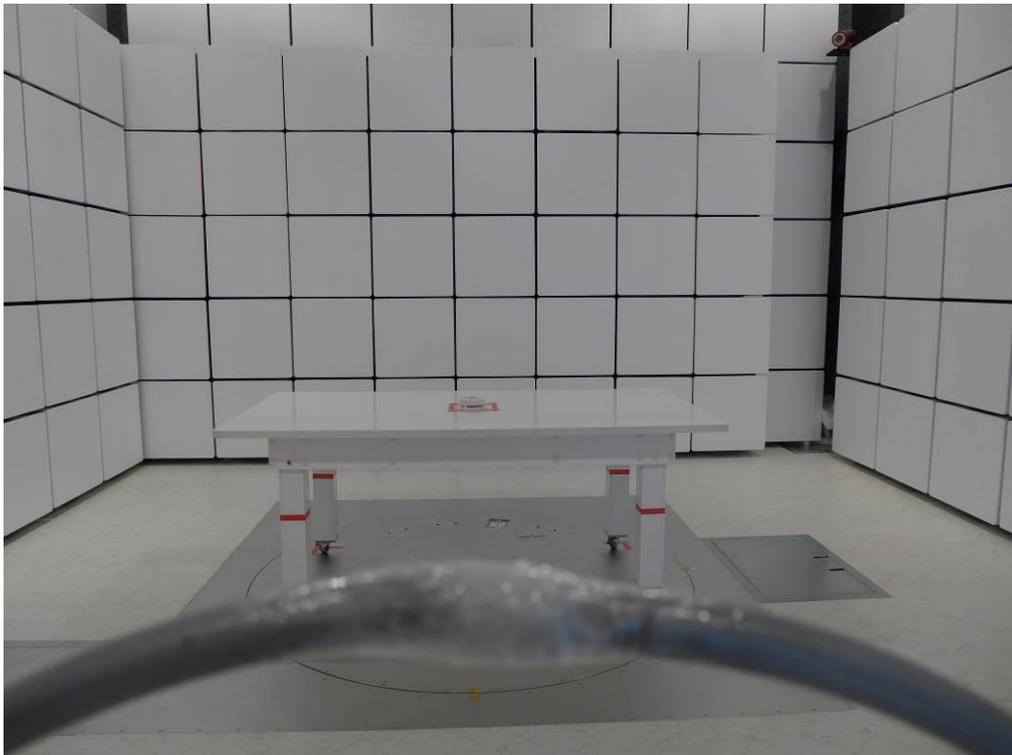
6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 17, 2017

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	Anritsu	ML2495A	1128008	Aug. 17, 2017
2	Power Sensor	Anritsu	MA2411B	1126001	Aug. 17, 2017

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 17, 2017

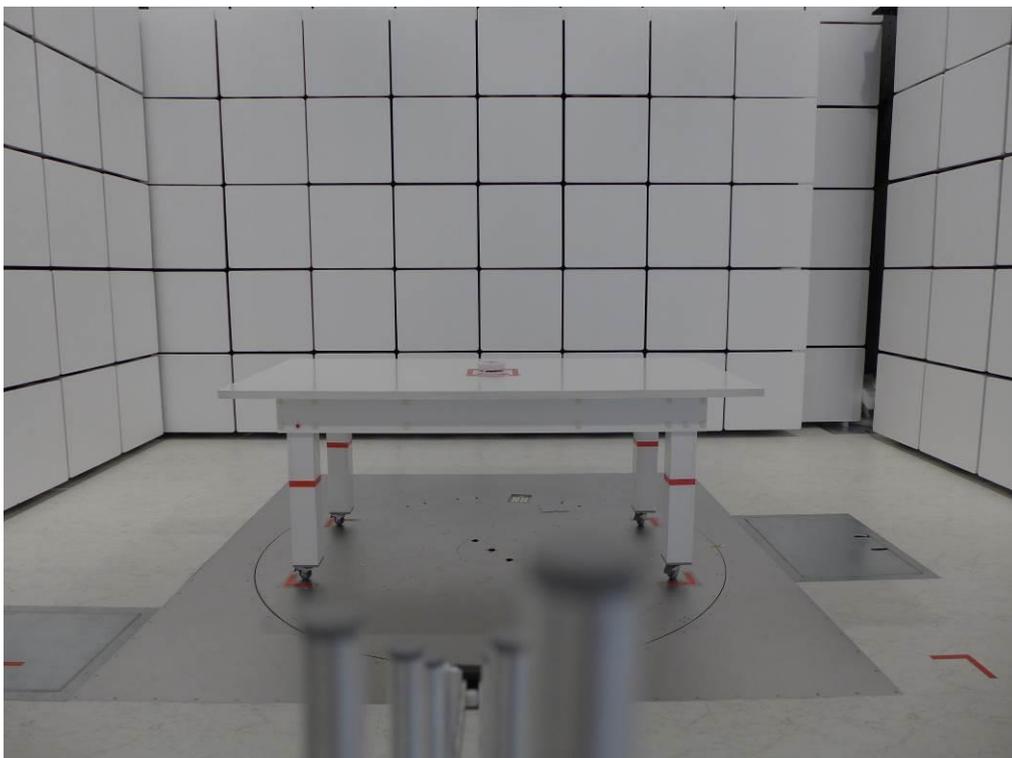
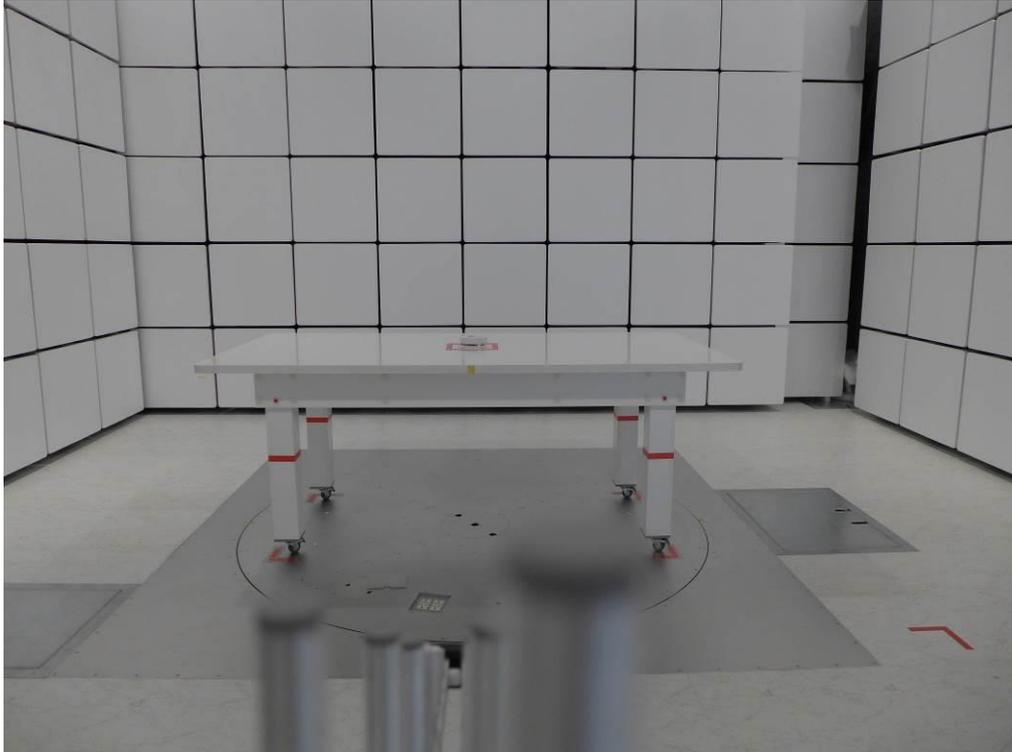
Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 17, 2017

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****Radiated Measurement Photos****9KHz to 30MHz**

**Radiated Measurement Photos**

**30M to 1000MHz**



**Radiated Measurement Photos**

**Above 1000MHz**



## ATTACHMENT A - CONDUCTED EMISSION

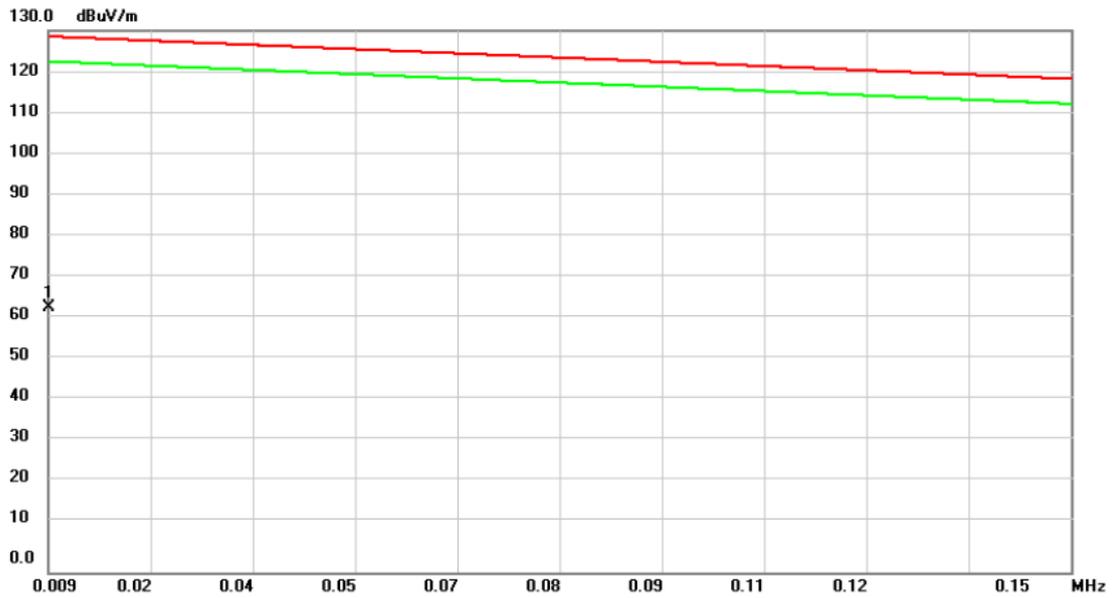
**Test Mode: N/A**

Note: "N/A" denotes test is not applicable to this device.

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

Test Mode: TX Mode

**OPEN**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	*	0.0090	43.14	20.50	63.64	128.52	-64.88	peak	100	280	

Test Mode: TX Mode

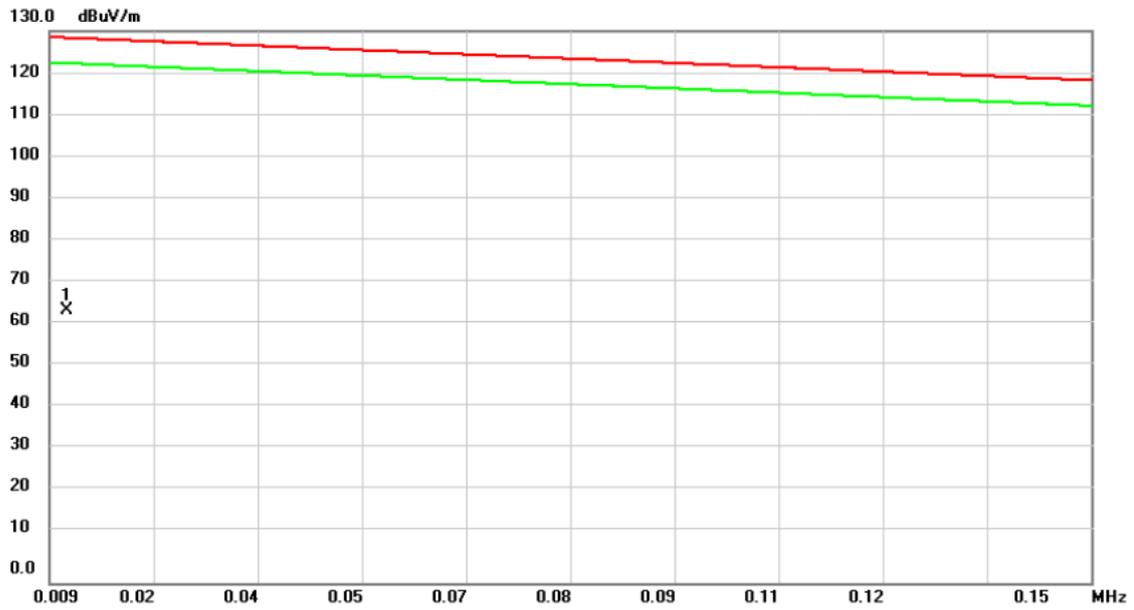
**OPEN**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	*	0.5978	34.69	11.84	46.53	72.84	-26.31	peak	100	62	
2		0.9858	29.17	11.99	41.16	69.38	-28.22	peak	100	287	
3		1.6126	24.39	11.72	36.11	63.79	-27.68	peak	100	309	
4		2.0604	23.20	11.52	34.72	69.54	-34.82	peak	100	221	
5		3.0753	19.22	11.11	30.33	69.54	-39.21	peak	100	33	
6		4.0901	16.24	11.26	27.50	69.54	-42.04	peak	100	40	

Test Mode: TX Mode

**CLOSE**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	0.0114	43.95	20.11	64.06	128.35	-64.29	peak	100	90

Test Mode: TX Mode

**CLOSE**

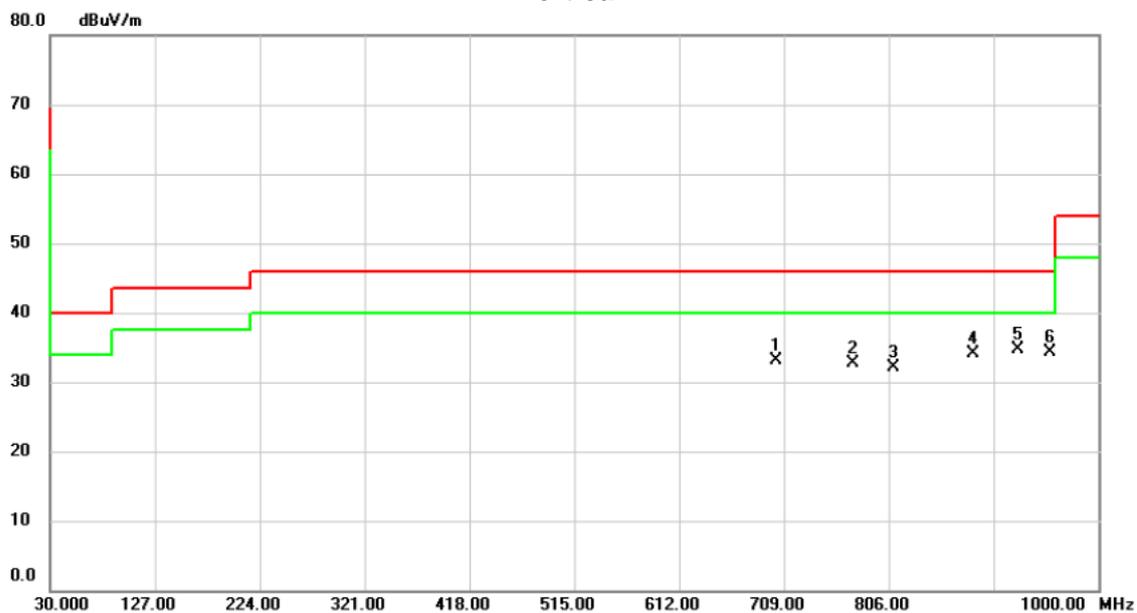


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	*	0.6873	34.29	11.87	46.16	72.04	-25.88	peak	100	216	
2		1.0455	29.45	11.98	41.43	68.85	-27.42	peak	100	315	
3		1.6425	24.05	11.71	35.76	63.53	-27.77	peak	100	294	
4		2.0007	22.59	11.55	34.14	69.54	-35.40	peak	100	136	
5		3.2244	18.93	11.13	30.06	69.54	-39.48	peak	100	315	
6		4.3590	15.32	11.30	26.62	69.54	-42.92	peak	100	93	

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

Test Mode: TX Mode

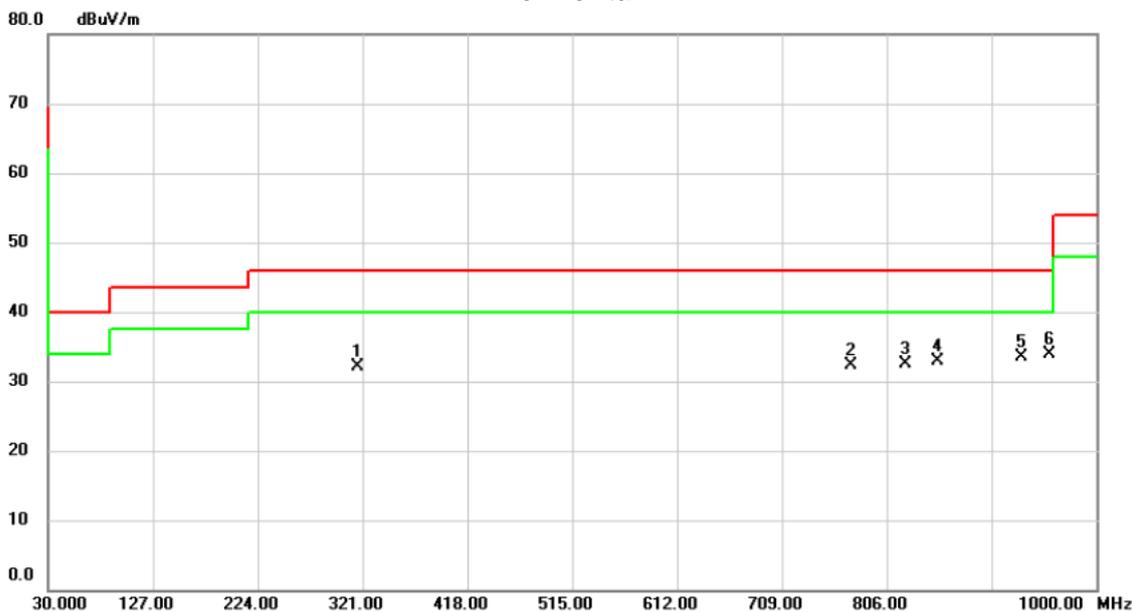
**Vertical**



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	701.2400	31.89	1.18	33.07	46.00	-12.93	peak	400	111	
2	773.0200	30.09	2.53	32.62	46.00	-13.38	peak	200	157	
3	810.8500	29.22	2.98	32.20	46.00	-13.80	peak	400	100	
4	883.6000	29.84	4.20	34.04	46.00	-11.96	peak	300	107	
5 *	925.3100	29.85	4.79	34.64	46.00	-11.36	peak	400	336	
6	955.3800	29.09	5.17	34.26	46.00	-11.74	peak	377	360	

Test Mode: TX Mode

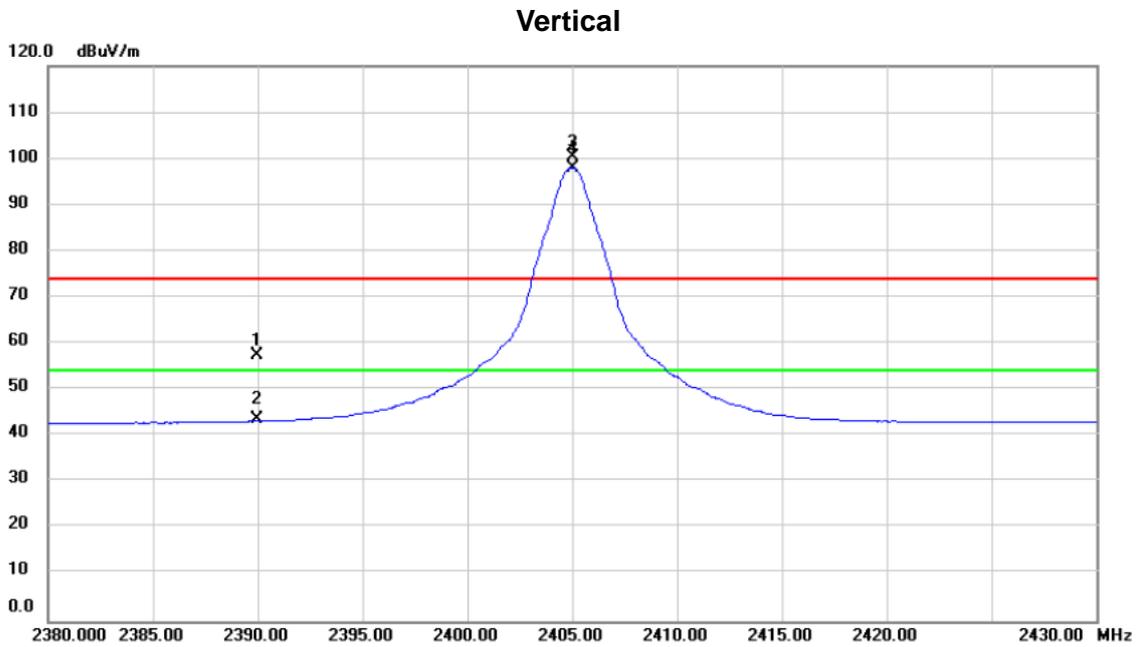
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		316.1500	38.97	-6.89	32.08	46.00	-13.92	peak 100	360	
2		773.0200	29.79	2.53	32.32	46.00	-13.68	peak 200	360	
3		823.4600	29.36	3.14	32.50	46.00	-13.50	peak 400	171	
4		853.5300	29.32	3.59	32.91	46.00	-13.09	peak 100	90	
5		930.1600	28.58	4.83	33.41	46.00	-12.59	peak 200	118	
6	*	956.3500	28.70	5.19	33.89	46.00	-12.11	peak 300	1	

## ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

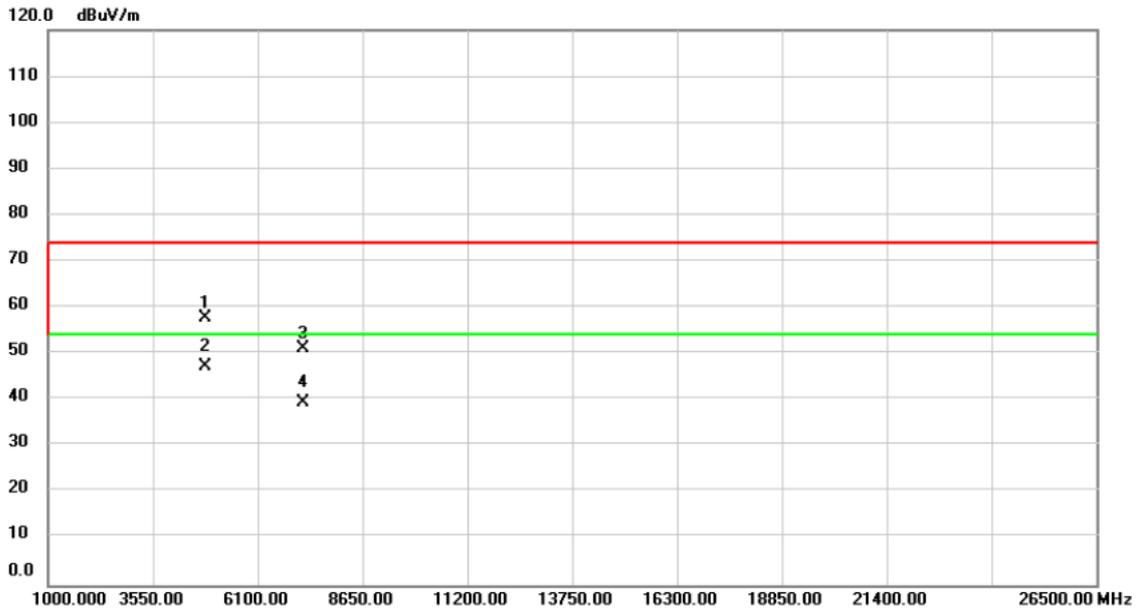
Orthogonal Axis :	X
Test Mode :	TX 2405MHz



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	2389.980	26.55	30.96	57.51	74.00	-16.49	peak	376	359	
2	2389.980	12.76	30.96	43.72	54.00	-10.28	AVG	376	359	
3 X	2405.000	69.48	31.02	100.50	74.00	26.50	peak	376	359	No Limit
4 *	2405.000	67.08	31.02	98.10	54.00	44.10	AVG	376	359	No Limit

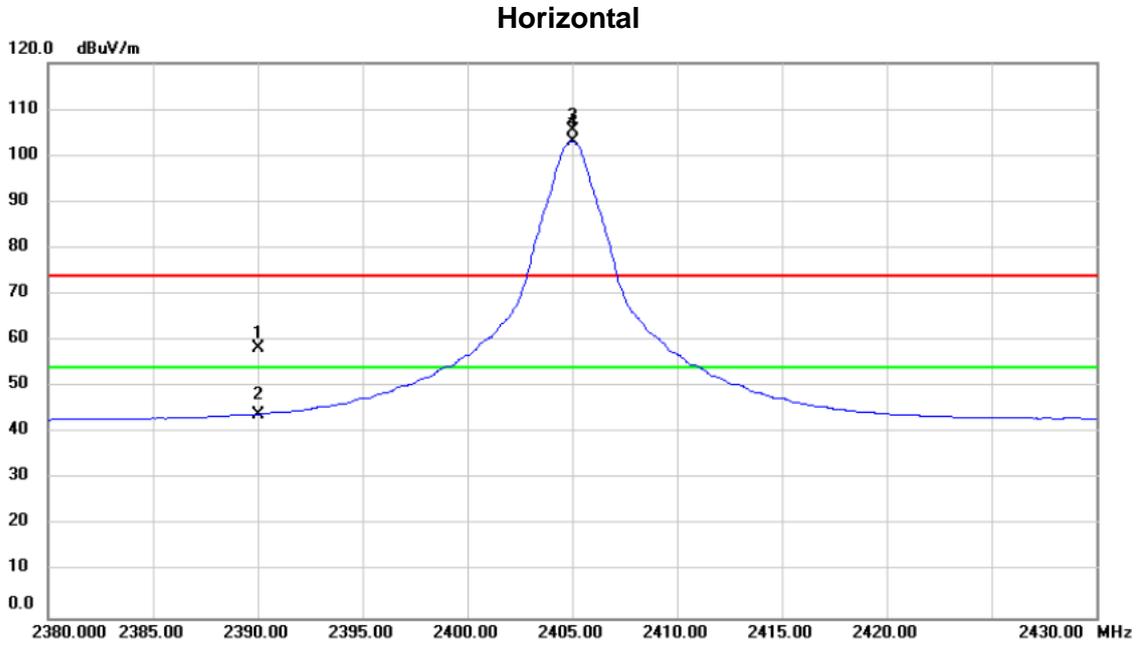
Orthogonal Axis :	X
Test Mode :	TX 2405MHz

**Vertical**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		4810.000	69.14	-11.49	57.65	74.00	-16.35	peak	364	191
2	*	4810.000	58.74	-11.49	47.25	54.00	-6.75	AVG	364	191
3		7215.000	56.68	-5.44	51.24	74.00	-22.76	peak	270	84
4		7215.000	44.92	-5.44	39.48	54.00	-14.52	AVG	270	84

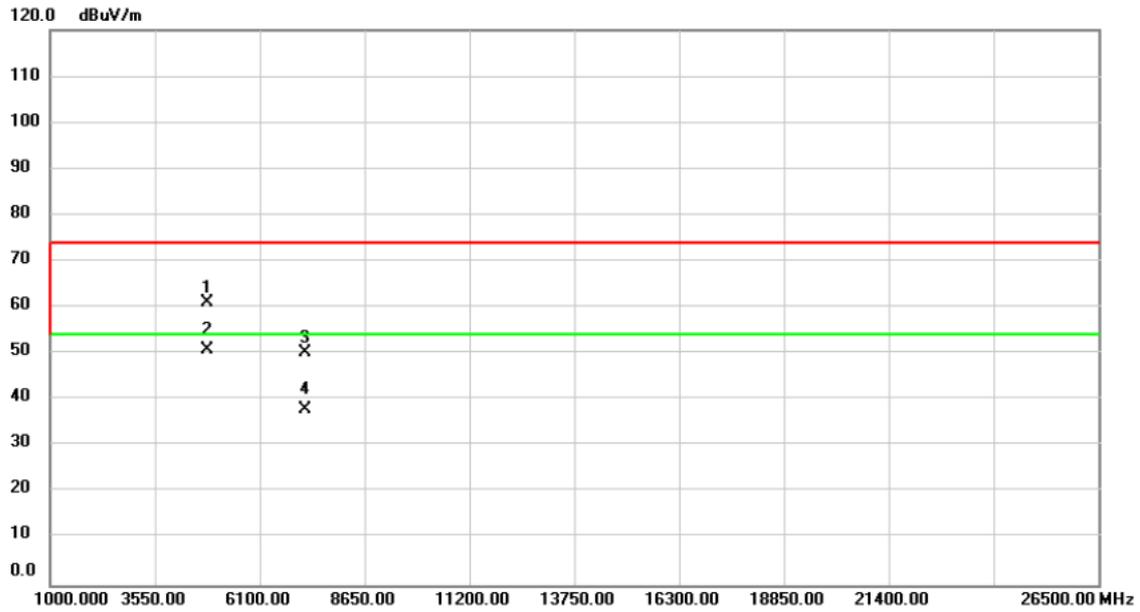
Orthogonal Axis :	X
Test Mode :	TX 2405MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment	
1		2390.000	27.26	30.96	58.22	74.00	-15.78	peak	296	213	
2		2390.000	13.11	30.96	44.07	54.00	-9.93	AVG	296	213	
3	X	2405.000	74.33	31.02	105.35	74.00	31.35	peak	296	213	No Limit
4	*	2405.000	72.05	31.02	103.07	54.00	49.07	AVG	296	213	No Limit

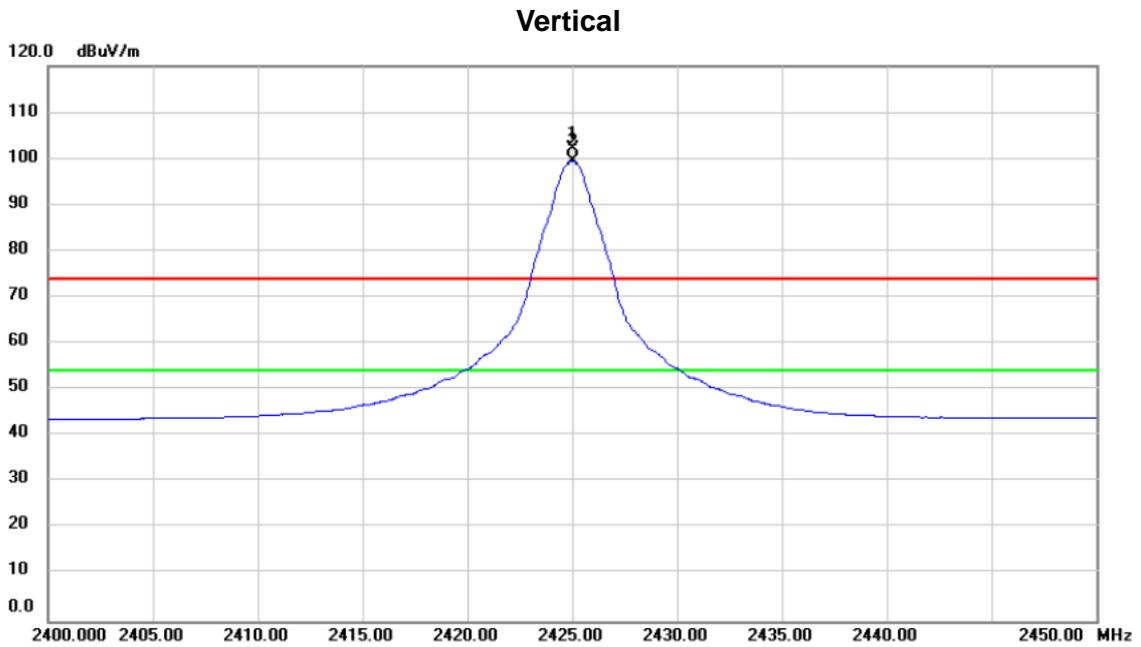
Orthogonal Axis :	X
Test Mode :	TX 2405MHz

**Horizontal**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		4810.000	72.43	-11.49	60.94	74.00	-13.06	peak	261	28
2	*	4810.000	62.21	-11.49	50.72	54.00	-3.28	AVG	261	28
3		7215.000	55.56	-5.44	50.12	74.00	-23.88	peak	101	63
4		7215.000	43.28	-5.44	37.84	54.00	-16.16	AVG	101	63

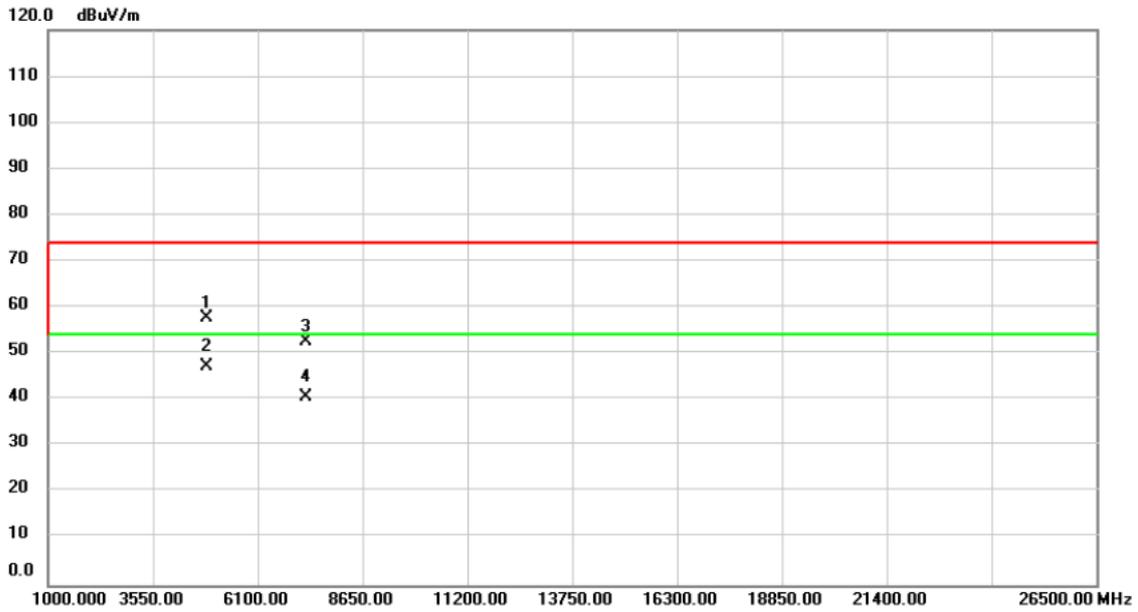
Orthogonal Axis :	X
Test Mode :	TX 2425MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment	
1	X	2425.000	70.92	31.09	102.01	74.00	28.01	peak	368	169	No Limit
2	*	2425.000	68.43	31.09	99.52	54.00	45.52	AVG	368	169	No Limit

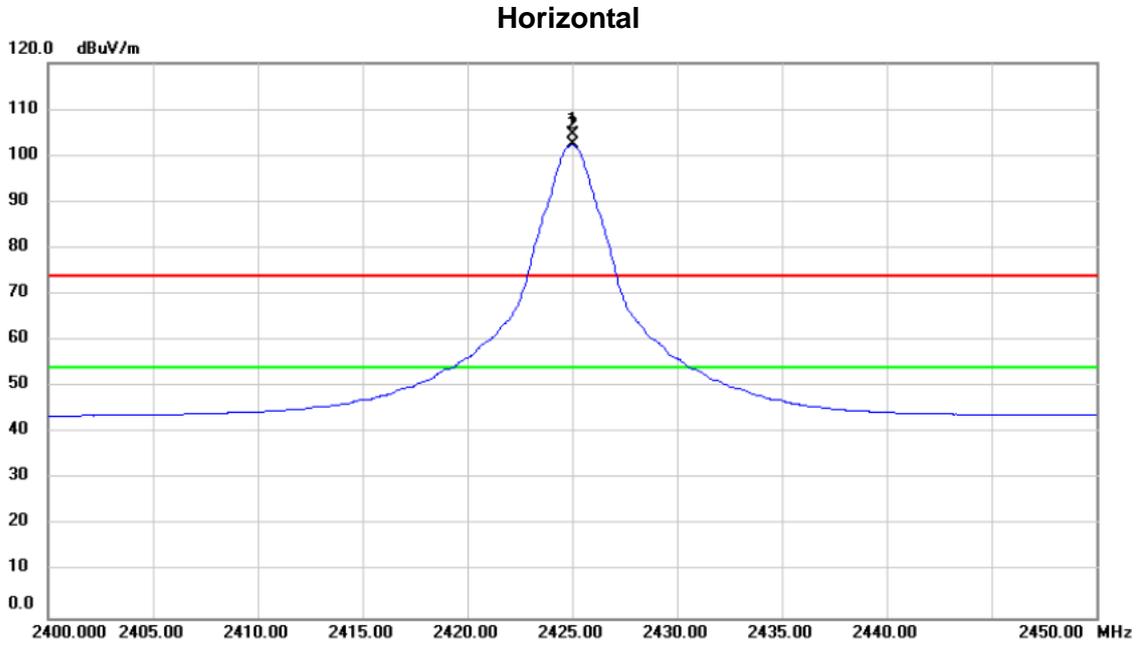
Orthogonal Axis :	X
Test Mode :	TX 2425MHz

**Vertical**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		4850.000	69.08	-11.43	57.65	74.00	-16.35	peak	320	190
2	*	4850.000	58.72	-11.43	47.29	54.00	-6.71	AVG	320	190
3		7275.000	57.97	-5.22	52.75	74.00	-21.25	peak	285	83
4		7275.000	45.97	-5.22	40.75	54.00	-13.25	AVG	285	83

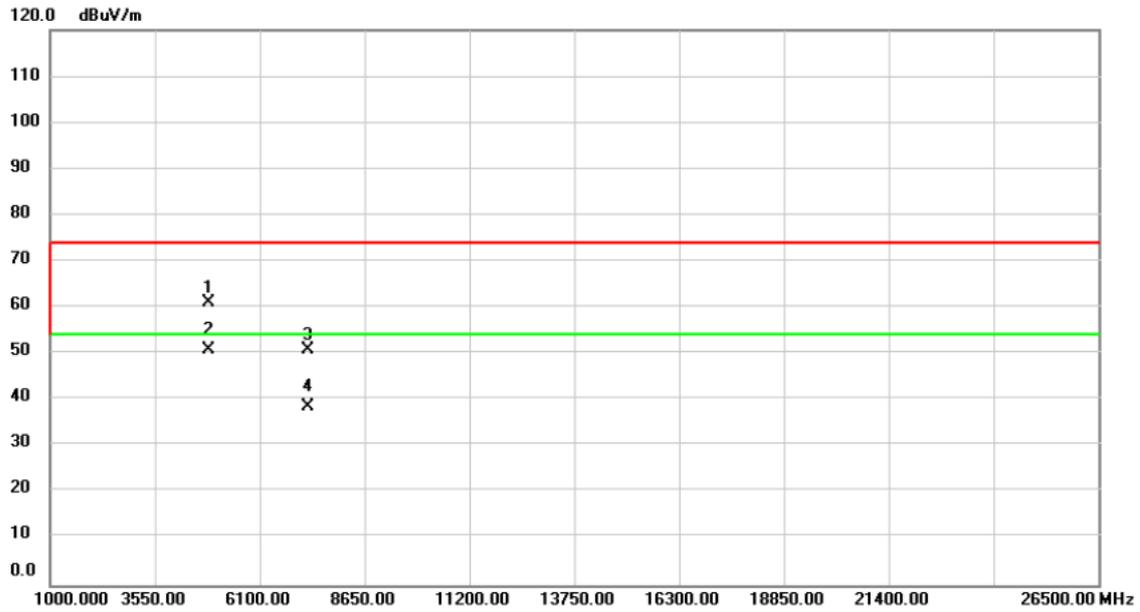
Orthogonal Axis :	X
Test Mode :	TX 2425MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment	
1	X	2425.000	73.51	31.09	104.60	74.00	30.60	peak	161	208	No Limit
2	*	2425.000	71.23	31.09	102.32	54.00	48.32	AVG	161	208	No Limit

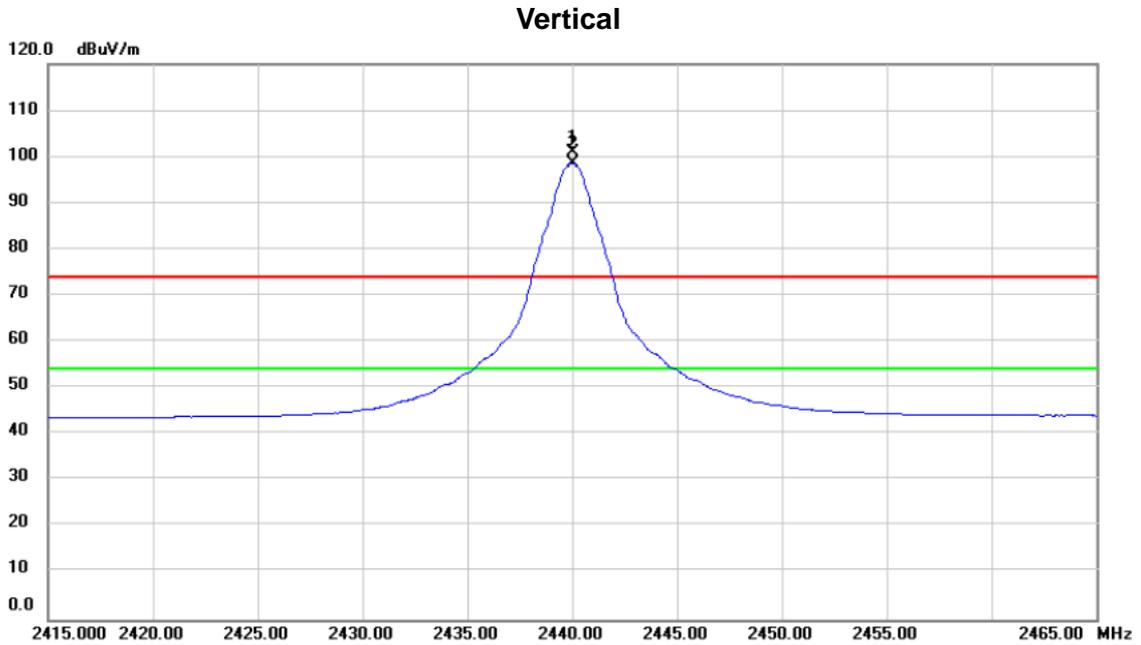
Orthogonal Axis :	X
Test Mode :	TX 2425MHz

**Horizontal**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		4850.000	72.43	-11.43	61.00	74.00	-13.00	peak 105	35	
2	*	4850.000	62.35	-11.43	50.92	54.00	-3.08	AVG 105	35	
3		7275.000	55.94	-5.22	50.72	74.00	-23.28	peak 100	50	
4		7275.000	43.89	-5.22	38.67	54.00	-15.33	AVG 100	50	

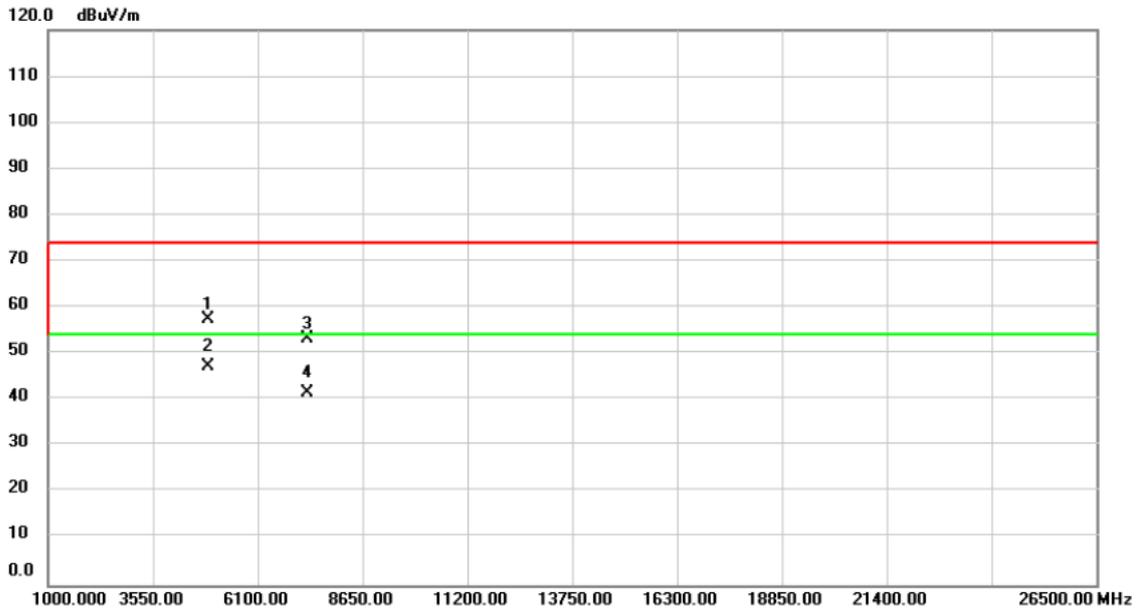
Orthogonal Axis :	X
Test Mode :	TX 2440MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment	
1	X	2440.000	69.83	31.15	100.98	74.00	26.98	peak	400	133	No Limit
2	*	2440.000	67.53	31.15	98.68	54.00	44.68	AVG	400	133	No Limit

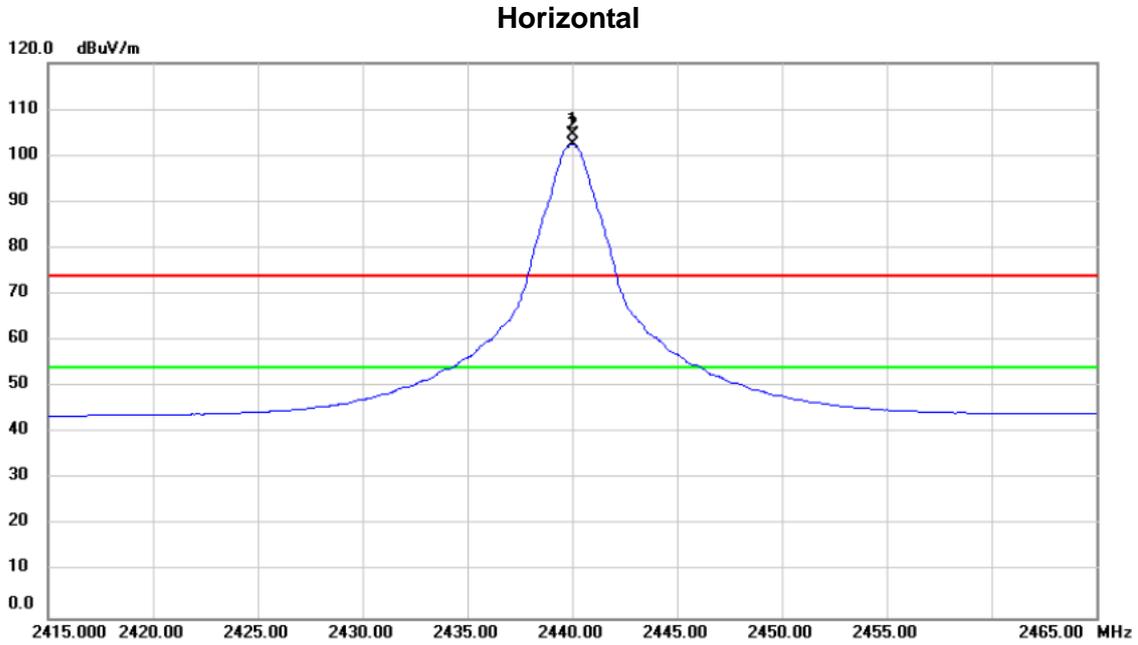
Orthogonal Axis :	X
Test Mode :	TX 2440MHz

**Vertical**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		4880.000	68.78	-11.38	57.40	74.00	-16.60	peak 300	185	
2	*	4880.000	58.51	-11.38	47.13	54.00	-6.87	AVG 300	185	
3		7320.000	58.28	-5.04	53.24	74.00	-20.76	peak 349	276	
4		7320.000	46.71	-5.04	41.67	54.00	-12.33	AVG 349	276	

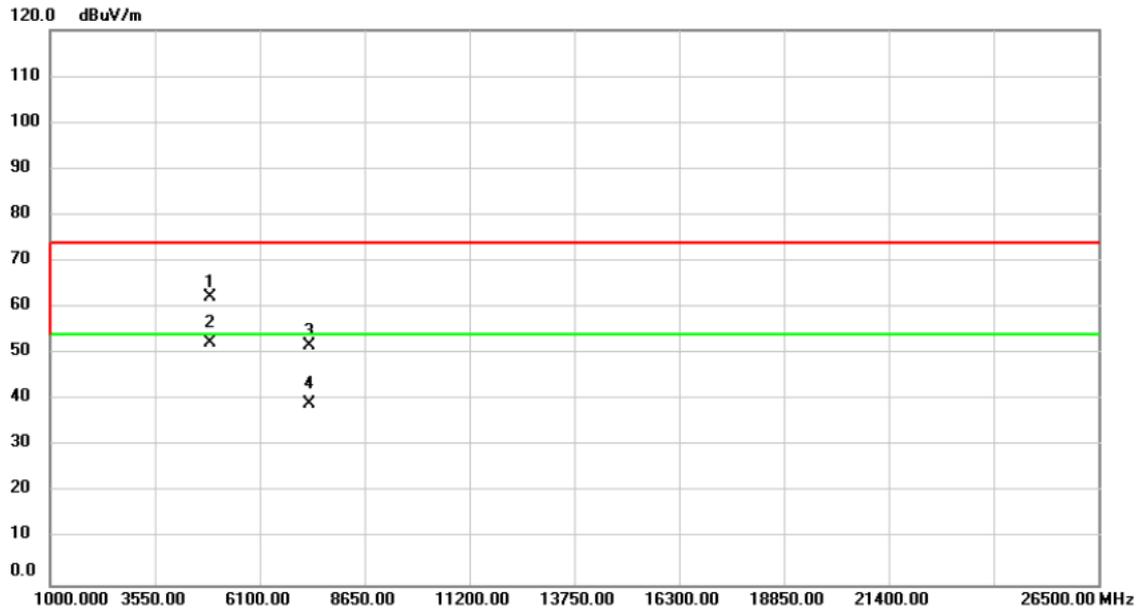
Orthogonal Axis :	X
Test Mode :	TX 2440MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	X	2440.000	73.50	31.15	104.65	74.00	30.65	209	285	No Limit
2	*	2440.000	71.29	31.15	102.44	54.00	48.44	209	285	No Limit

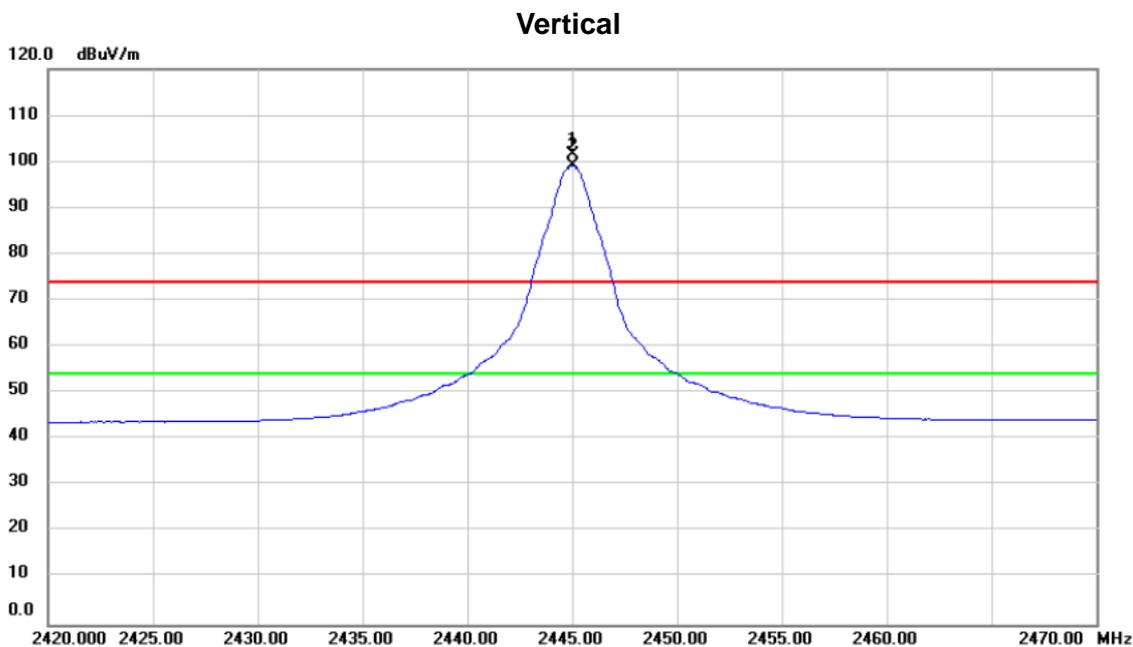
Orthogonal Axis :	X
Test Mode :	TX 2440MHz

### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		4880.000	73.64	-11.38	62.26	74.00	-11.74	peak	102	30
2	*	4880.000	63.82	-11.38	52.44	54.00	-1.56	AVG	102	30
3		7320.000	56.66	-5.04	51.62	74.00	-22.38	peak	100	53
4		7320.000	44.34	-5.04	39.30	54.00	-14.70	AVG	100	53

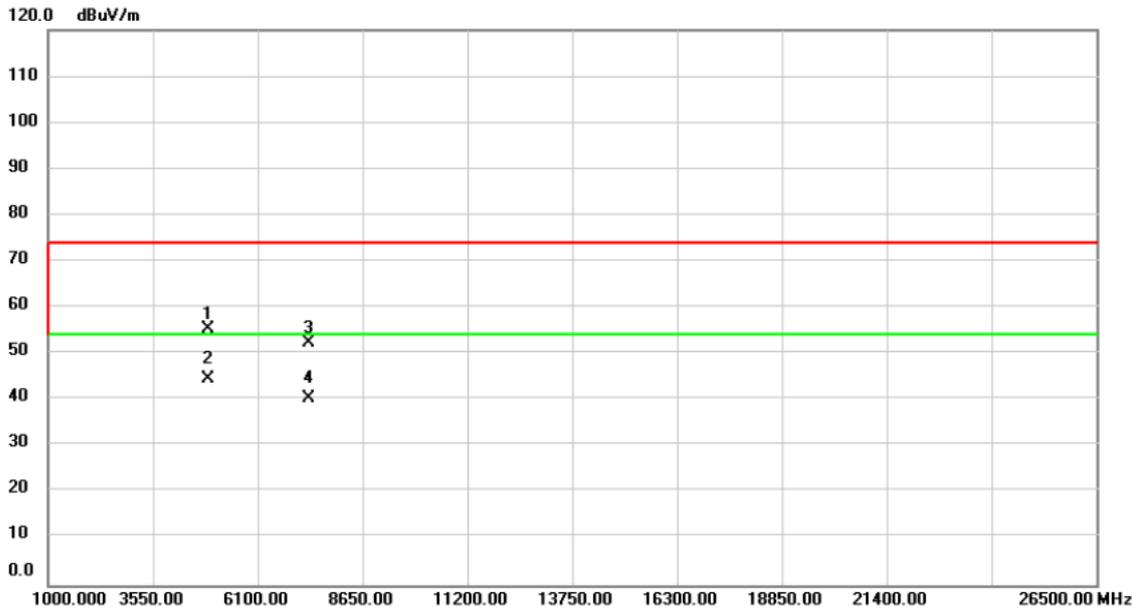
Orthogonal Axis :	X
Test Mode :	TX 2445MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	X	2445.000	70.24	31.17	101.41	74.00	27.41	400	133	No Limit
2	*	2445.000	67.92	31.17	99.09	54.00	45.09	400	133	No Limit

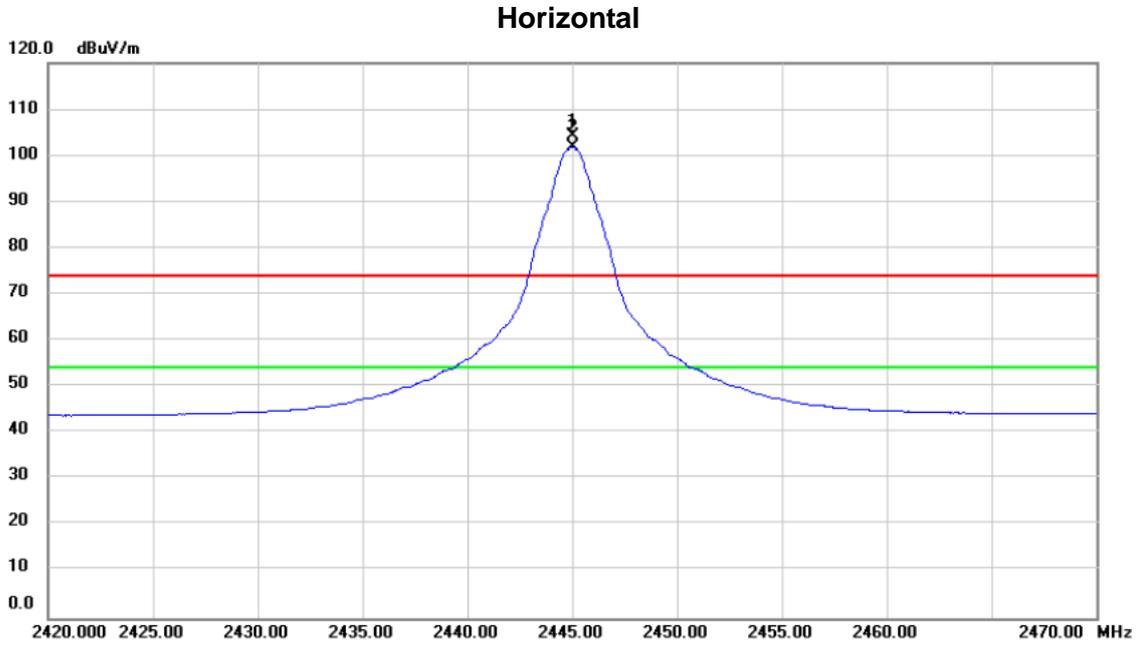
Orthogonal Axis :	X
Test Mode :	TX 2445MHz

**Vertical**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		4890.000	66.66	-11.37	55.29	74.00	-18.71	peak	236	169
2	*	4890.000	56.02	-11.37	44.65	54.00	-9.35	AVG	236	169
3		7335.000	57.28	-4.99	52.29	74.00	-21.71	peak	232	269
4		7335.000	45.49	-4.99	40.50	54.00	-13.50	AVG	232	269

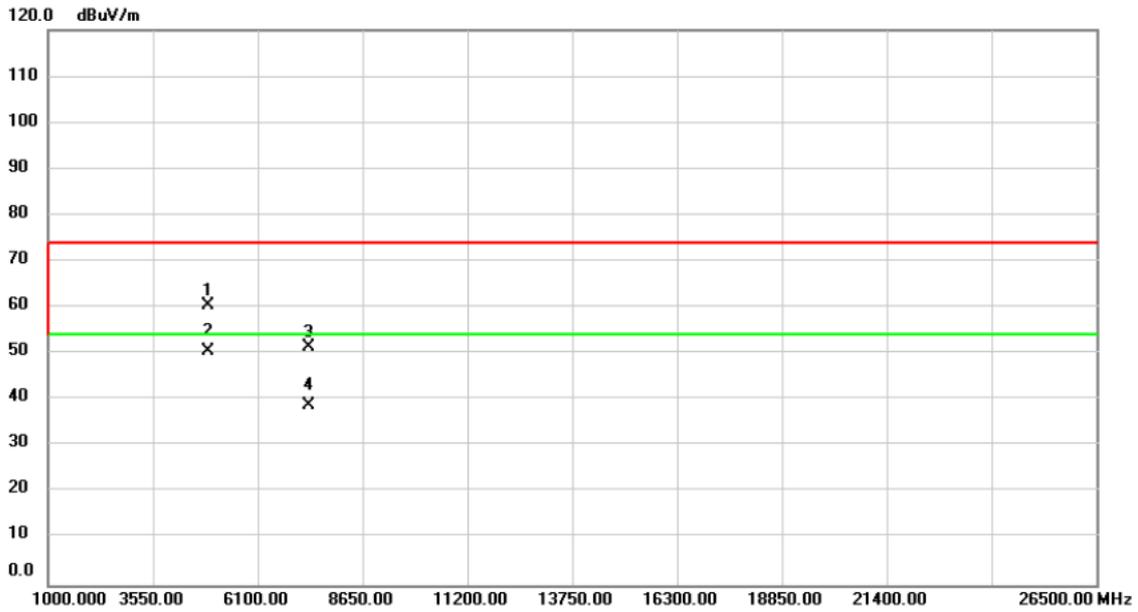
Orthogonal Axis :	X
Test Mode :	TX 2445MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	X	2445.000	73.04	31.17	104.21	74.00	30.21	284	237	No Limit
2	*	2445.000	70.75	31.17	101.92	54.00	47.92	284	237	No Limit

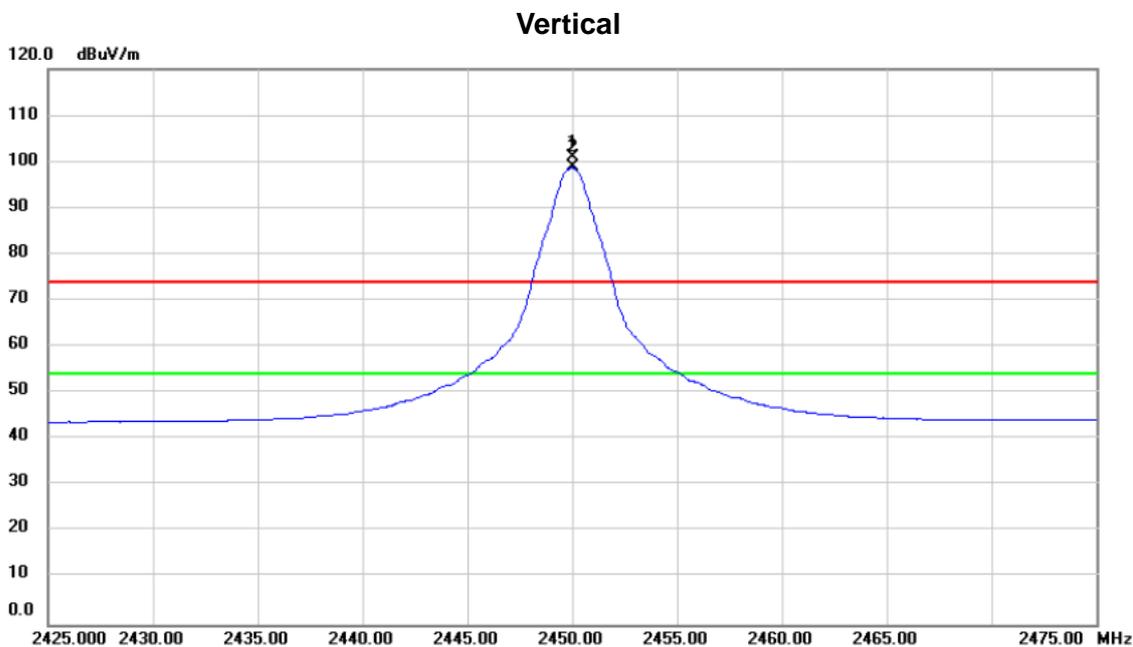
Orthogonal Axis :	X
Test Mode :	TX 2445MHz

**Horizontal**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		4890.000	71.89	-11.37	60.52	74.00	-13.48	peak	100	31
2	*	4890.000	61.96	-11.37	50.59	54.00	-3.41	AVG	100	31
3		7335.000	56.54	-4.99	51.55	74.00	-22.45	peak	100	53
4		7335.000	43.79	-4.99	38.80	54.00	-15.20	AVG	100	53

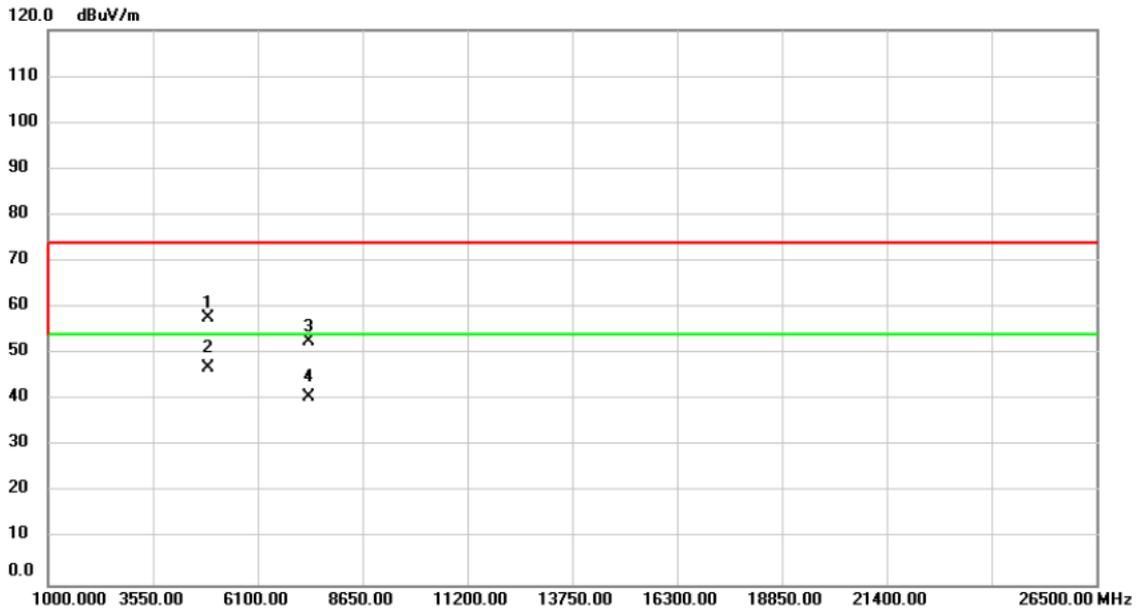
Orthogonal Axis :	X
Test Mode :	TX 2450MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment	
1	X	2450.000	69.87	31.19	101.06	74.00	27.06	peak	400	134	No Limit
2	*	2450.000	67.53	31.19	98.72	54.00	44.72	AVG	400	134	No Limit

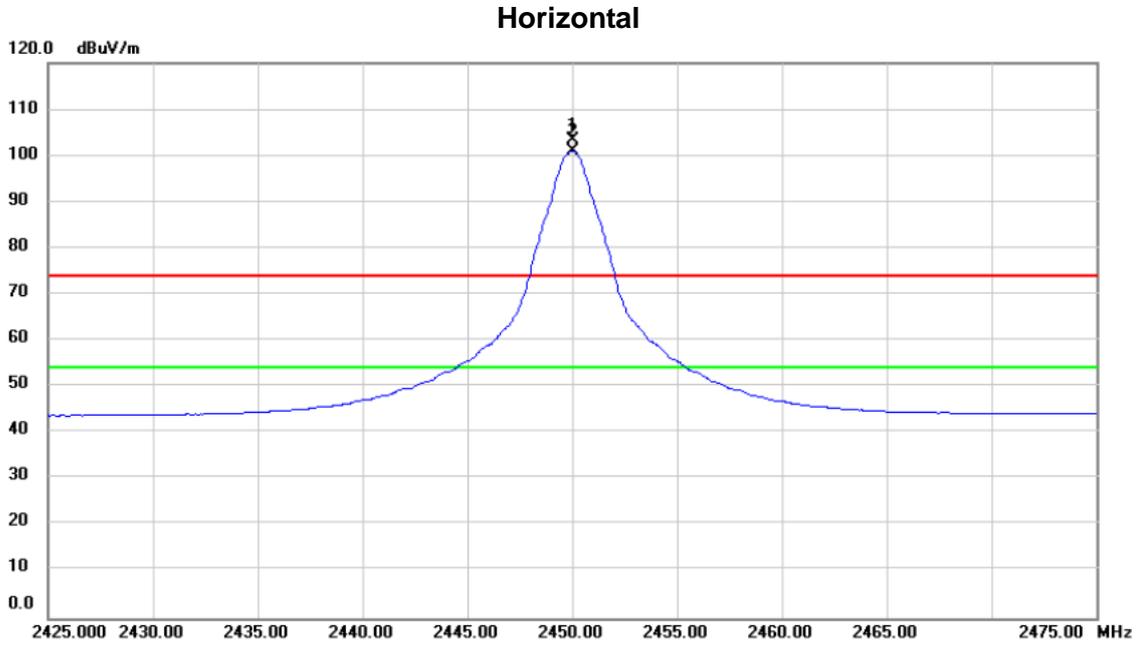
Orthogonal Axis :	X
Test Mode :	TX 2450MHz

**Vertical**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		4900.000	69.00	-11.36	57.64	74.00	-16.36	peak	298	147
2	*	4900.000	58.43	-11.36	47.07	54.00	-6.93	AVG	298	147
3		7350.000	57.50	-4.93	52.57	74.00	-21.43	peak	347	263
4		7350.000	45.59	-4.93	40.66	54.00	-13.34	AVG	347	263

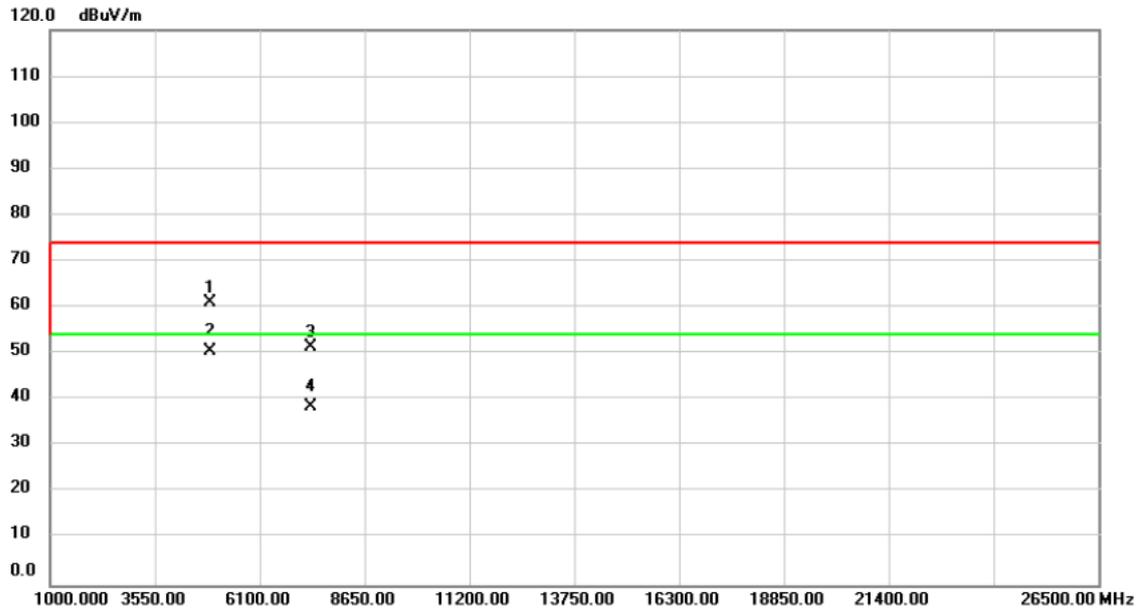
Orthogonal Axis :	X
Test Mode :	TX 2450MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment	
1	X	2450.000	72.04	31.19	103.23	74.00	29.23	peak	396	64	No Limit
2	*	2450.000	69.77	31.19	100.96	54.00	46.96	AVG	396	64	No Limit

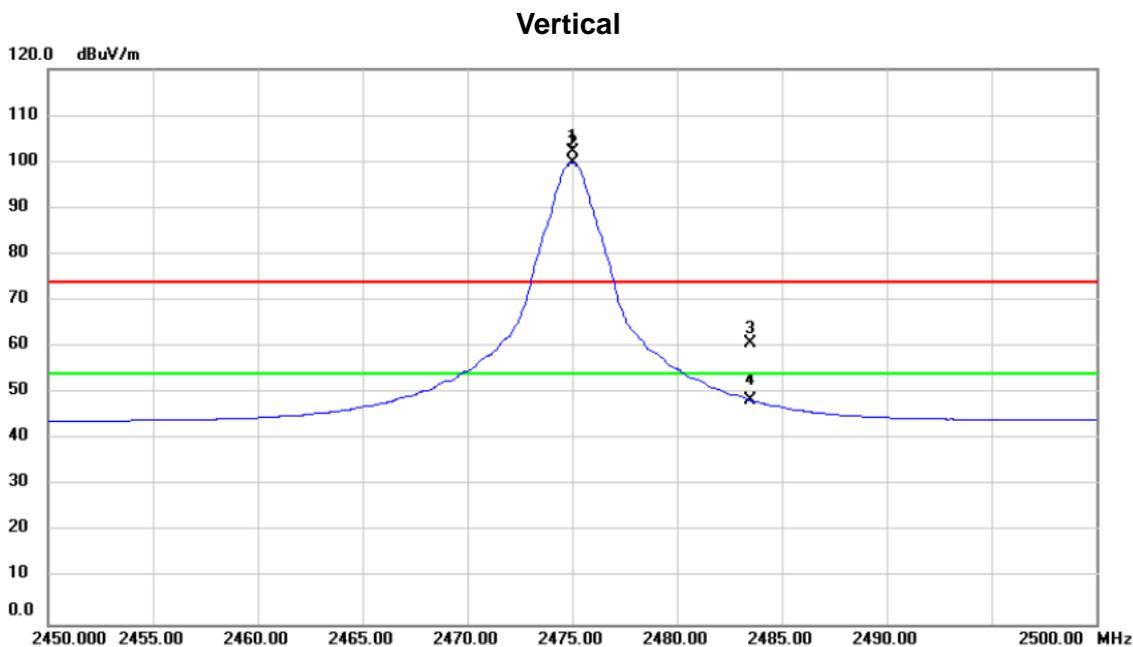
Orthogonal Axis :	X
Test Mode :	TX 2450MHz

**Horizontal**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		4900.000	72.48	-11.36	61.12	74.00	-12.88	peak 103	41	
2	*	4900.000	61.88	-11.36	50.52	54.00	-3.48	AVG 103	41	
3		7350.000	56.40	-4.93	51.47	74.00	-22.53	peak 100	233	
4		7350.000	43.54	-4.93	38.61	54.00	-15.39	AVG 100	233	

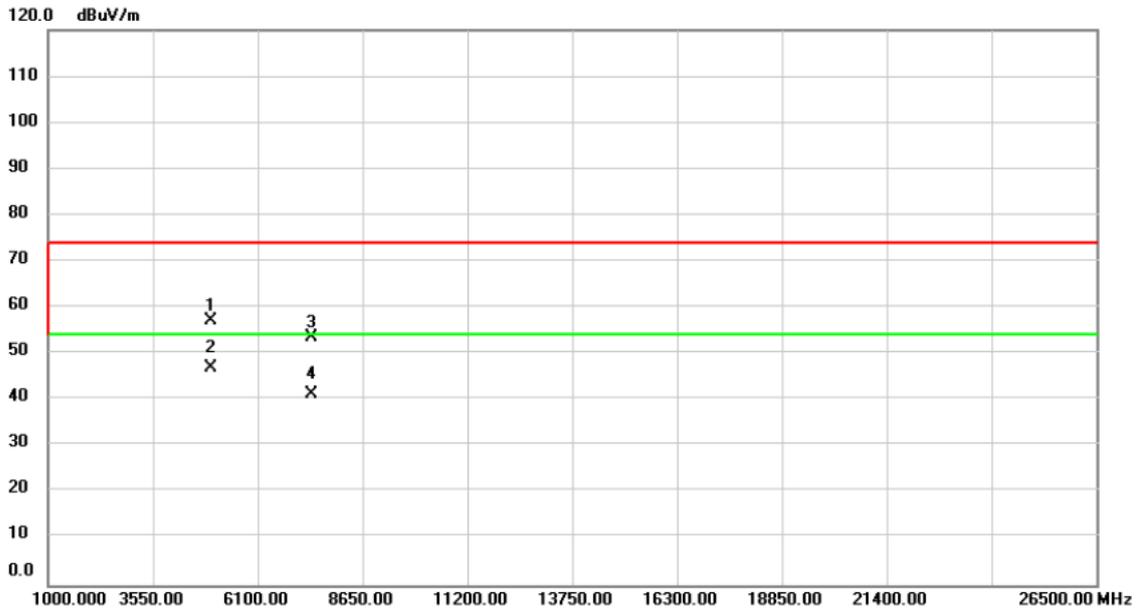
Orthogonal Axis :	X
Test Mode :	TX 2475MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment	
1	X	2475.000	70.81	31.28	102.09	74.00	28.09	peak	399	152	No Limit
2	*	2475.000	68.51	31.28	99.79	54.00	45.79	AVG	399	152	No Limit
3		2483.500	29.39	31.31	60.70	74.00	-13.30	peak	399	152	
4		2483.500	17.10	31.31	48.41	54.00	-5.59	AVG	399	152	

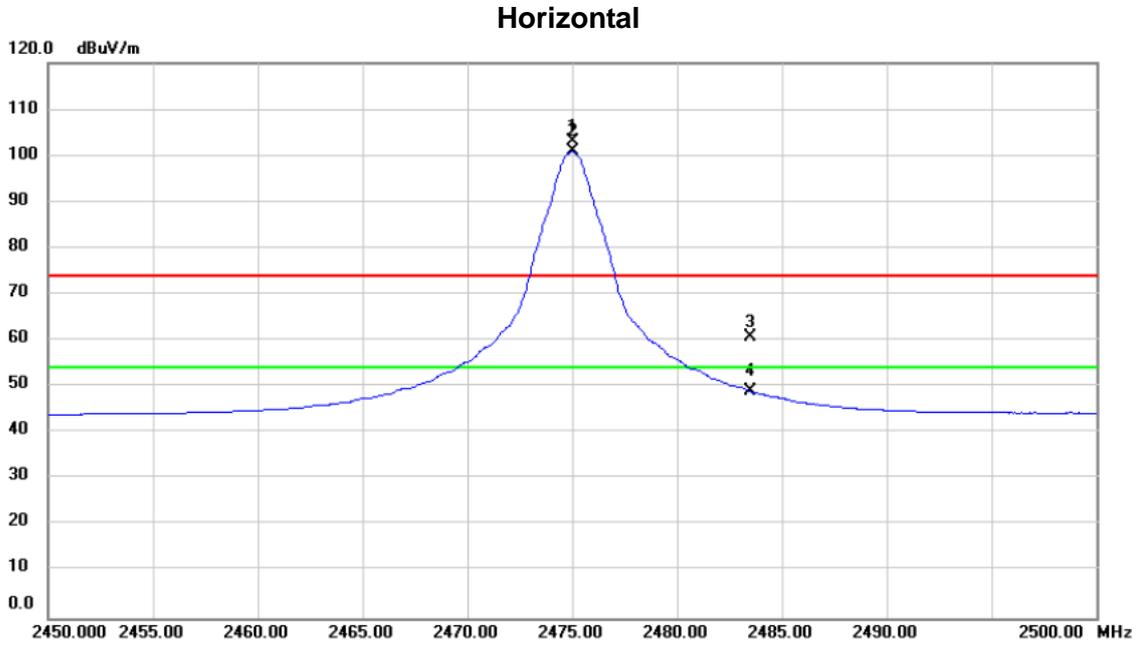
Orthogonal Axis :	X
Test Mode :	TX 2475MHz

**Vertical**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		4950.000	68.39	-11.27	57.12	74.00	-16.88	peak 308	198	
2	*	4950.000	58.08	-11.27	46.81	54.00	-7.19	AVG 308	198	
3		7425.000	58.22	-4.66	53.56	74.00	-20.44	peak 302	25	
4		7425.000	46.02	-4.66	41.36	54.00	-12.64	AVG 302	25	

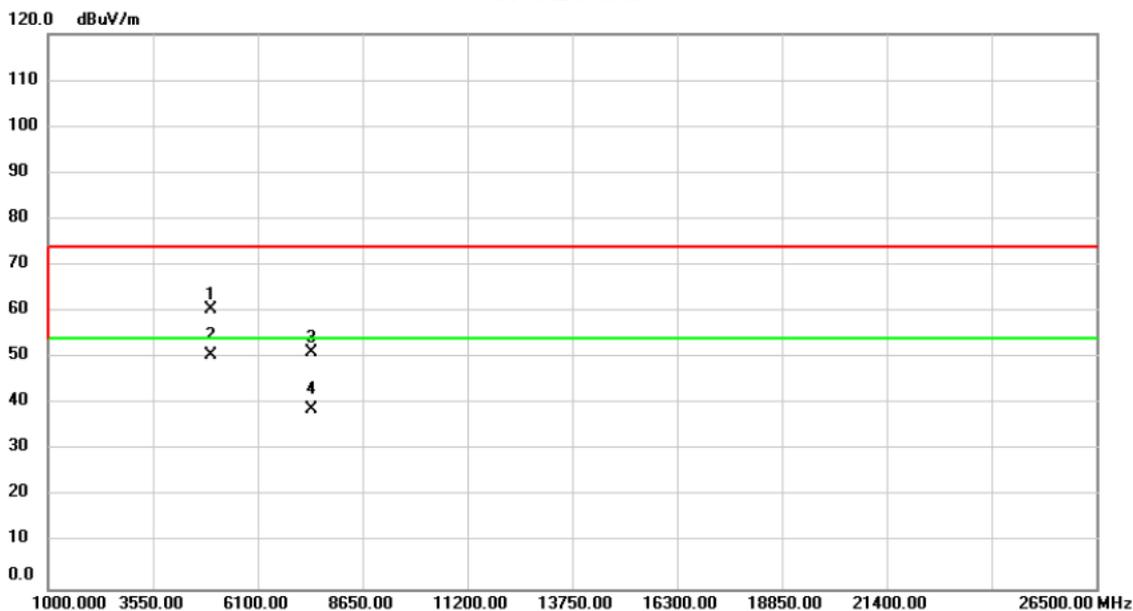
Orthogonal Axis :	X
Test Mode :	TX 2475MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	X	2475.000	71.78	31.28	103.06	74.00	29.06	207	286	No Limit
2	*	2475.000	69.56	31.28	100.84	54.00	46.84	207	286	No Limit
3		2483.500	29.55	31.31	60.86	74.00	-13.14	207	286	
4		2483.500	17.69	31.31	49.00	54.00	-5.00	207	286	

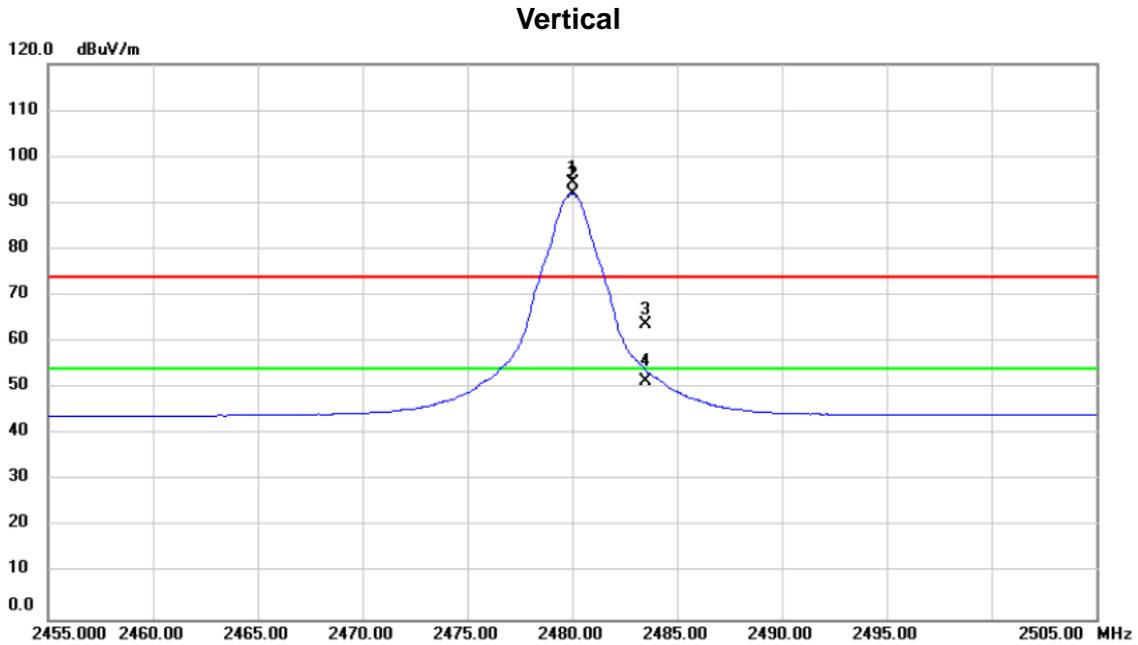
Orthogonal Axis :	X
Test Mode :	TX 2475MHz

### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		4950.000	71.58	-11.27	60.31	74.00	-13.69	peak	100	306
2	*	4950.000	61.68	-11.27	50.41	54.00	-3.59	AVG	100	306
3		7425.000	55.80	-4.66	51.14	74.00	-22.86	peak	226	53
4		7425.000	43.42	-4.66	38.76	54.00	-15.24	AVG	226	53

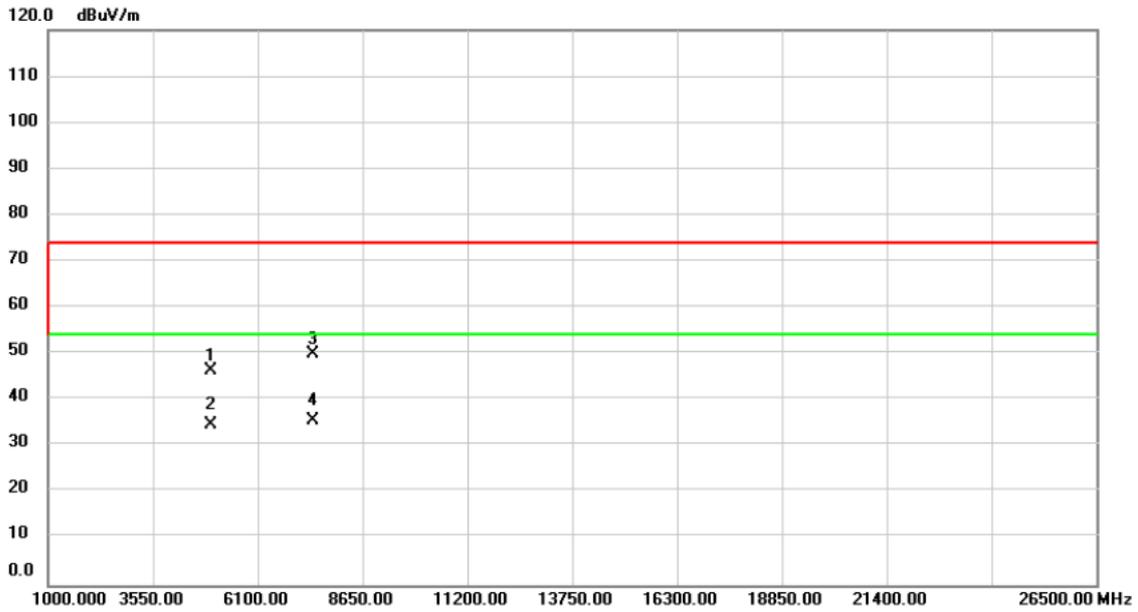
Orthogonal Axis :	X
Test Mode :	TX 2480MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1	X	2480.000	63.01	31.29	94.30	74.00	20.30	peak	398	154	No Limit
2	*	2480.000	60.69	31.29	91.98	54.00	37.98	AVG	398	154	No Limit
3		2483.500	32.47	31.31	63.78	74.00	-10.22	peak	398	154	
4		2483.500	20.26	31.31	51.57	54.00	-2.43	AVG	398	154	

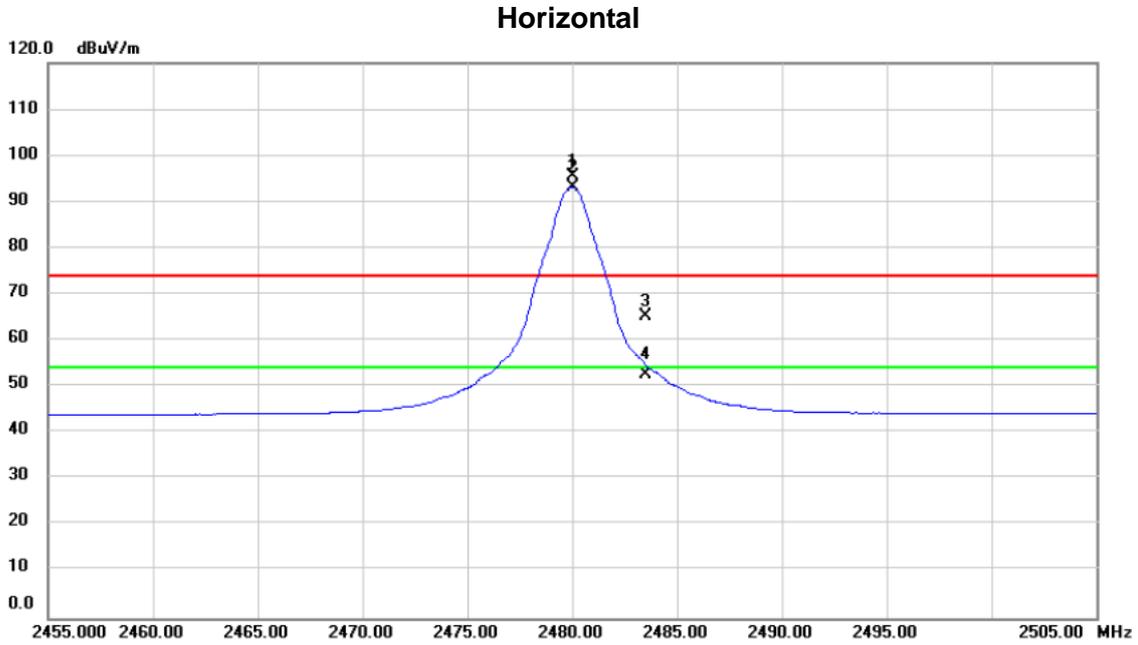
Orthogonal Axis :	X
Test Mode :	TX 2480MHz

**Vertical**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		4960.000	57.67	-11.25	46.42	74.00	-27.58	peak	388	270
2		4960.000	46.03	-11.25	34.78	54.00	-19.22	AVG	388	270
3		7440.000	54.49	-4.60	49.89	74.00	-24.11	peak	100	234
4	*	7440.000	40.10	-4.60	35.50	54.00	-18.50	AVG	100	234

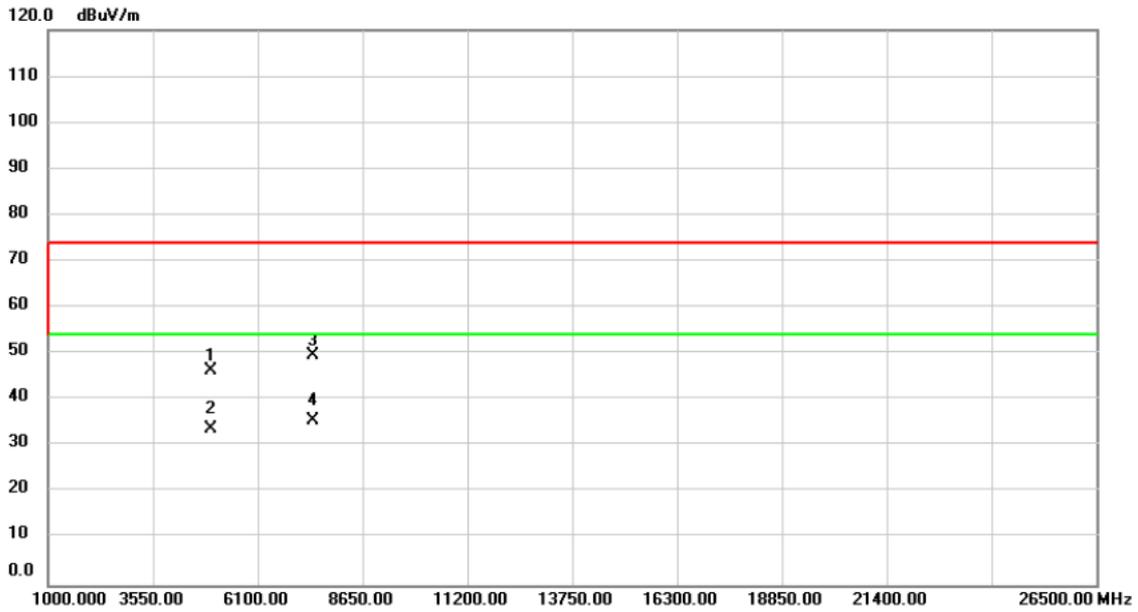
Orthogonal Axis :	X
Test Mode :	TX 2480MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment	
1	X	2480.000	64.17	31.29	95.46	74.00	21.46	peak	276	291	No Limit
2	*	2480.000	61.93	31.29	93.22	54.00	39.22	AVG	276	291	No Limit
3		2483.500	33.87	31.31	65.18	74.00	-8.82	peak	276	291	
4		2483.500	21.31	31.31	52.62	54.00	-1.38	AVG	276	291	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz

### Horizontal

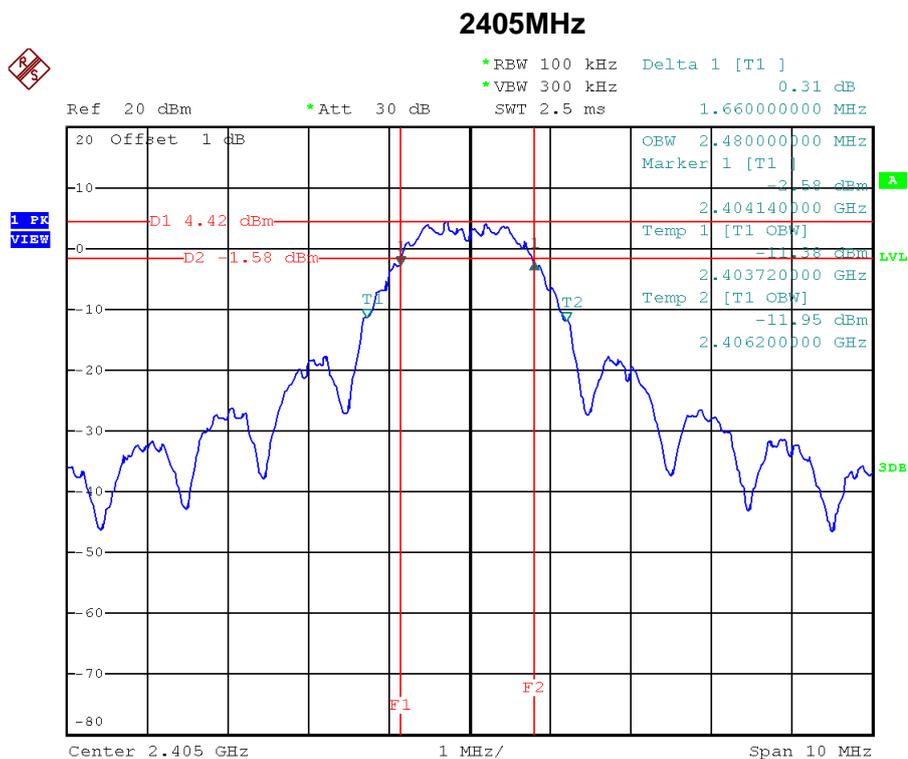


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		4960.000	57.47	-11.25	46.22	74.00	-27.78	peak	248	273
2		4960.000	45.09	-11.25	33.84	54.00	-20.16	AVG	248	273
3		7440.000	54.24	-4.60	49.64	74.00	-24.36	peak	100	56
4	*	7440.000	40.15	-4.60	35.55	54.00	-18.45	AVG	100	56

## ATTACHMENT E - BANDWIDTH

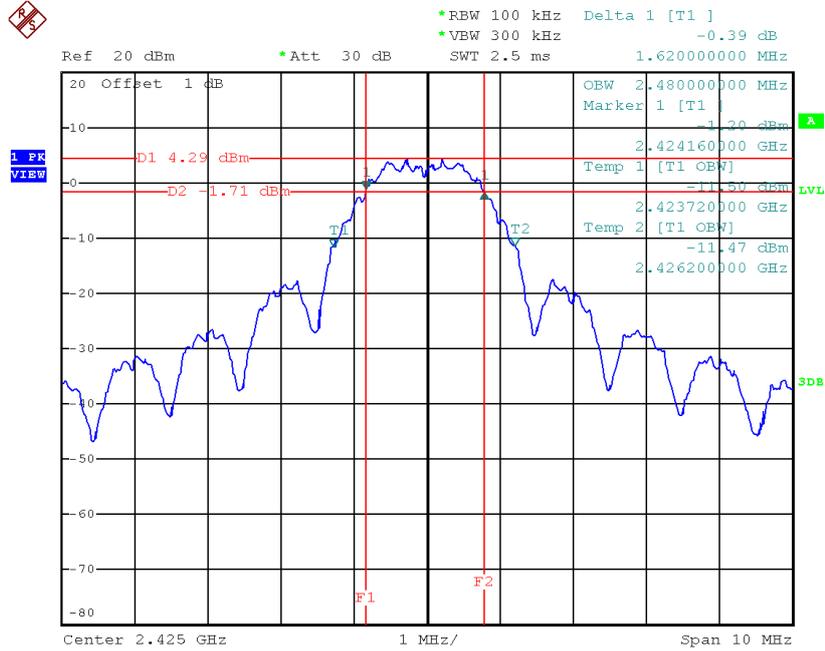
Test Mode : TX Mode

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)
2405	1.66	2.48	500
2425	1.62	2.48	500
2440	1.60	2.48	500
2445	1.62	2.48	500
2450	1.60	2.48	500
2475	1.60	2.46	500
2480	1.62	2.48	500



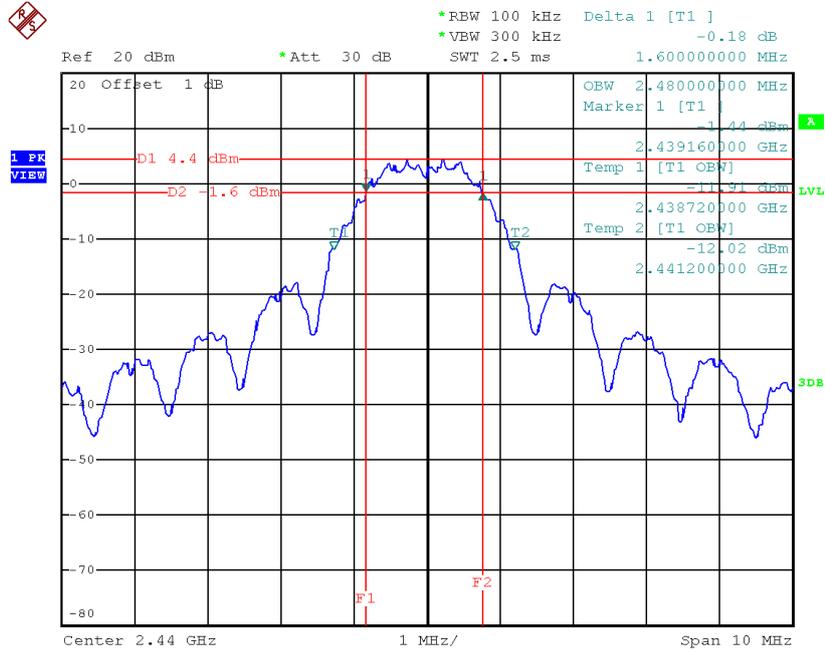
Date: 11.JAN.2017 21:06:06

### 2425MHz



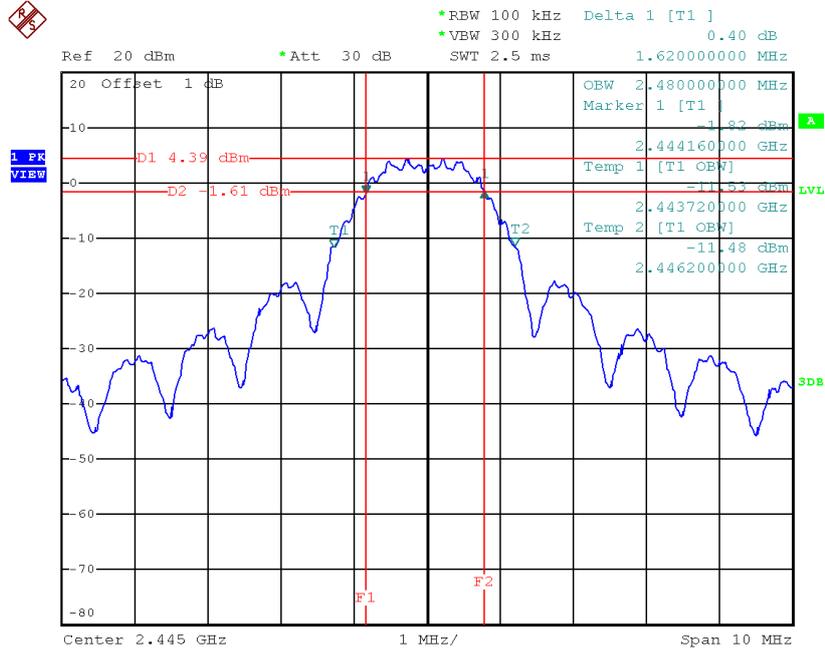
Date: 11.JAN.2017 21:17:31

### 2440MHz



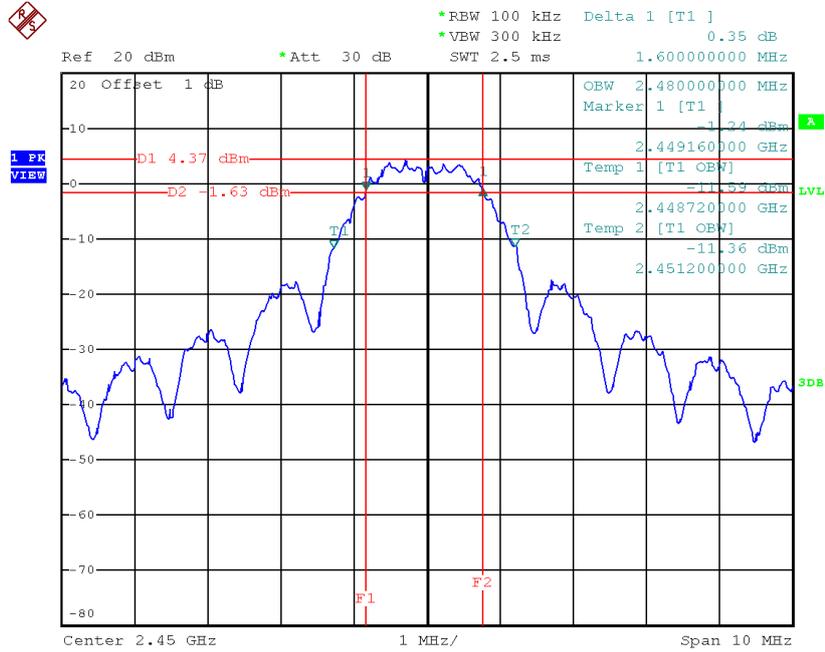
Date: 11.JAN.2017 21:14:31

### 2445MHz



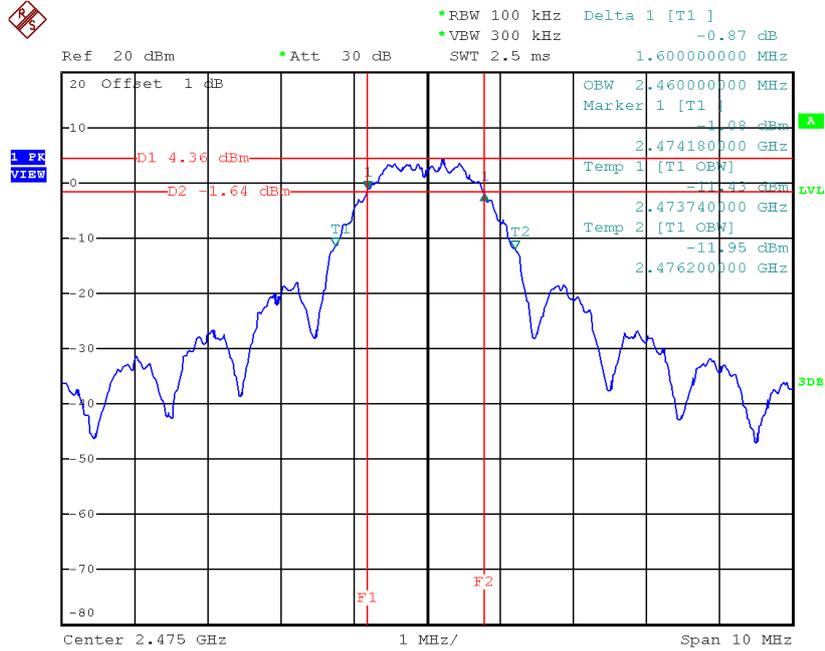
Date: 11.JAN.2017 21:21:53

### 2450MHz



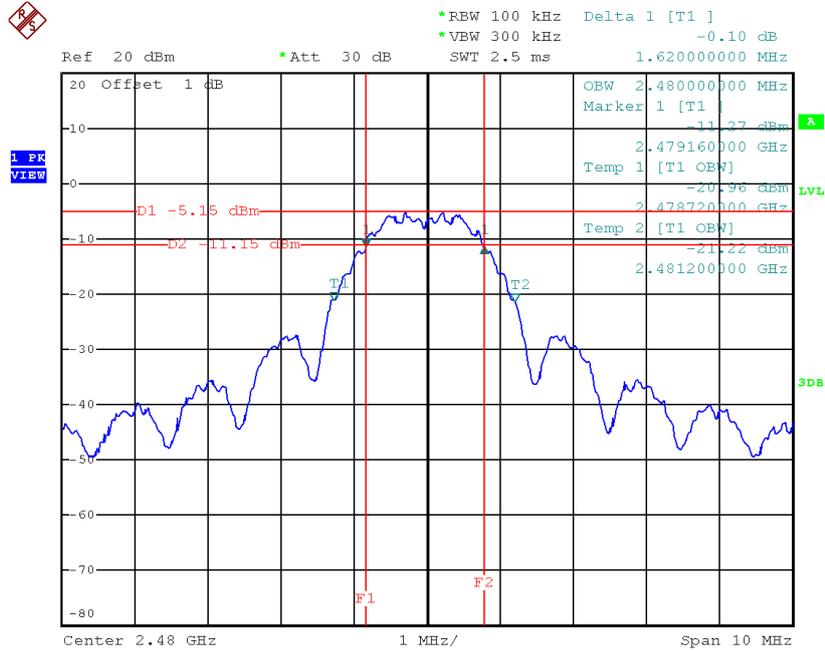
Date: 11.JAN.2017 21:31:24

### 2475MHz



Date: 11.JAN.2017 21:34:52

### 2480MHz



Date: 11.JAN.2017 21:37:44

## ATTACHMENT F - MAXIMUM OUTPUT POWER TEST

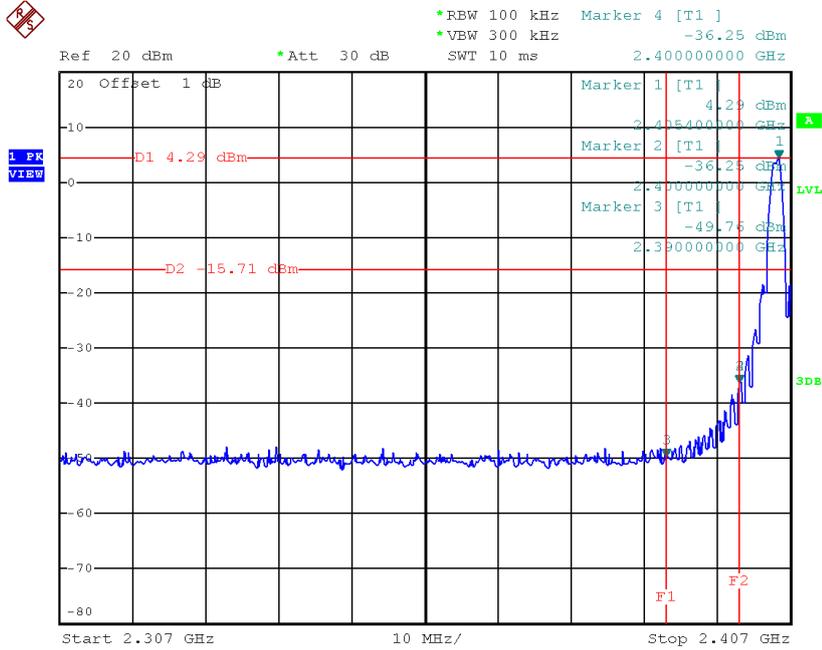
Test Mode :	TX Mode
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (Watt)	Max. Limit (dBm)	Max. Limit (Watt)
2405	8.12	0.0065	30.00	1.00
2425	8.18	0.0066	30.00	1.00
2440	8.20	0.0066	30.00	1.00
2445	8.22	0.0066	30.00	1.00
2450	8.21	0.0066	30.00	1.00
2475	8.17	0.0066	30.00	1.00
2480	-1.23	0.0008	30.00	1.00

# ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

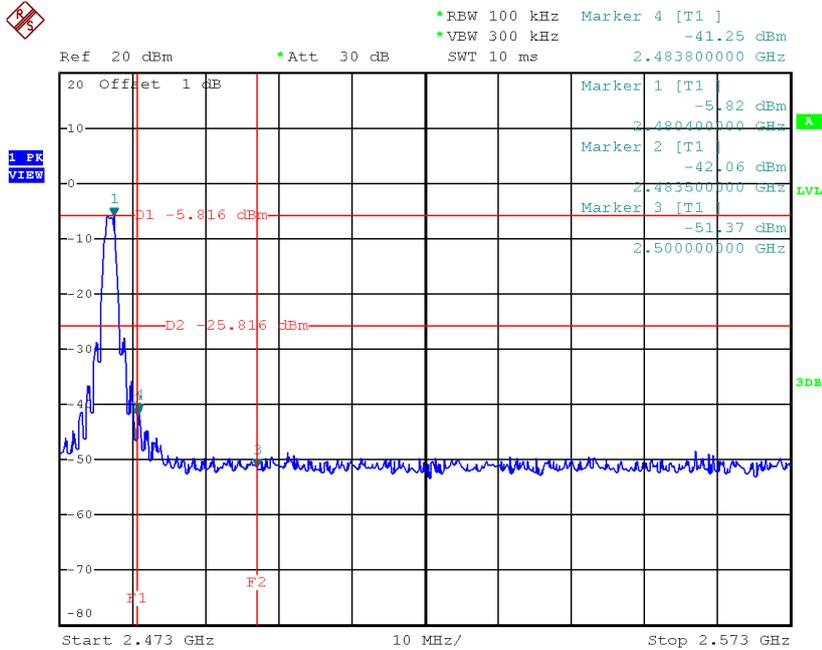
Test Mode : TX Mode

**2405MHz (Lower)**



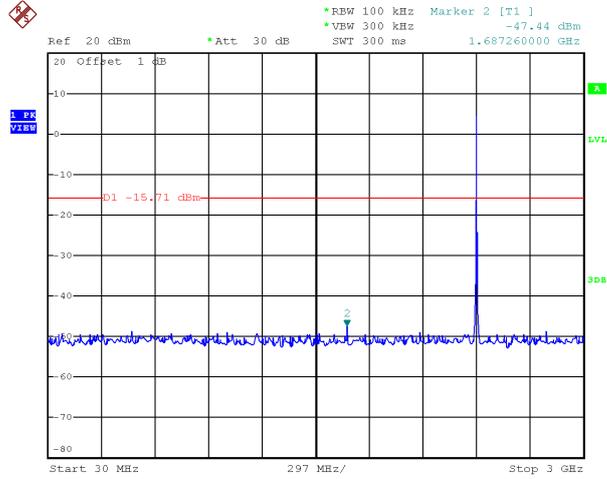
Date: 11.JAN.2017 22:11:31

**2480MHz (upper)**

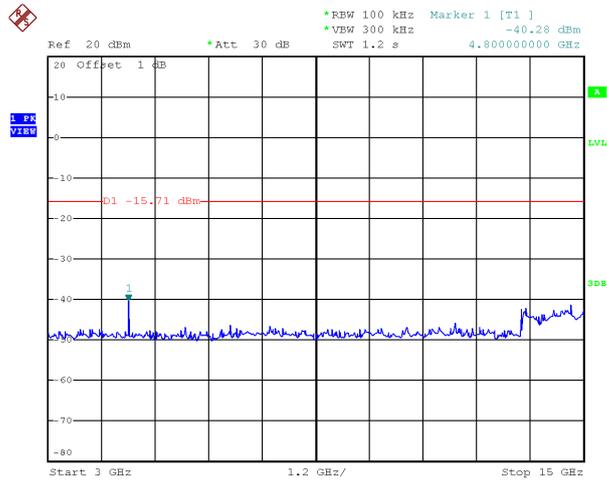


Date: 11.JAN.2017 22:12:42

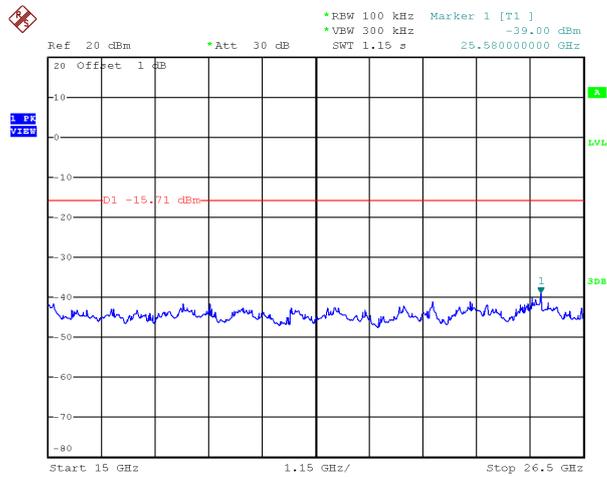
**2405MHz (10<sup>th</sup> Harmonic of the frequency)**



Date: 11.JAN.2017 22:57:33

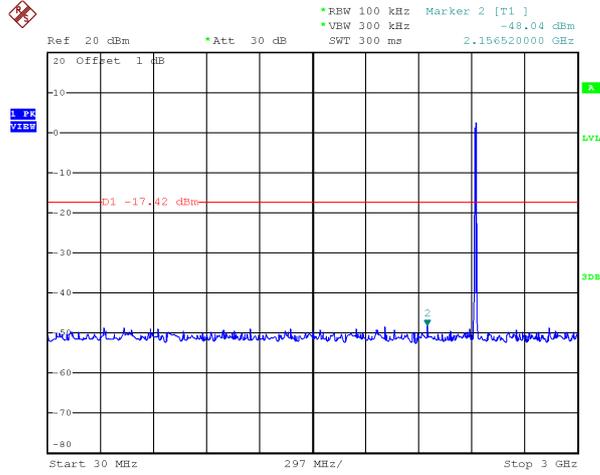


Date: 11.JAN.2017 22:58:09

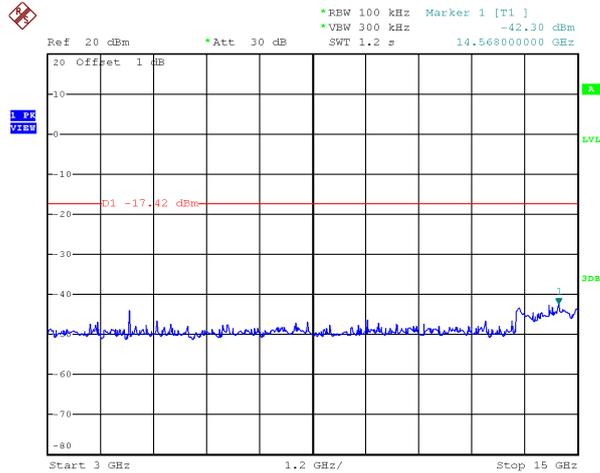


Date: 11.JAN.2017 22:58:27

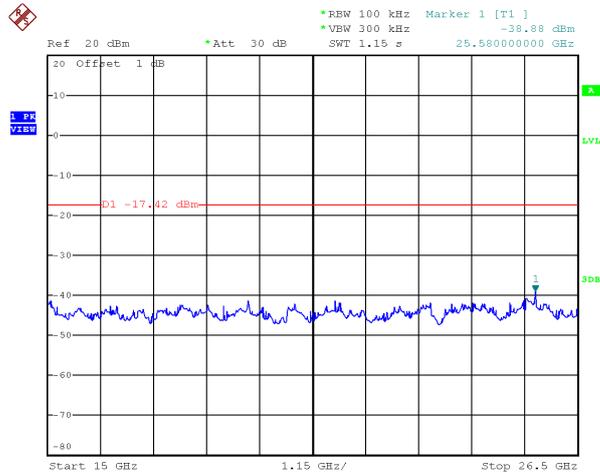
### 2425MHz (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JAN.2017 22:54:18

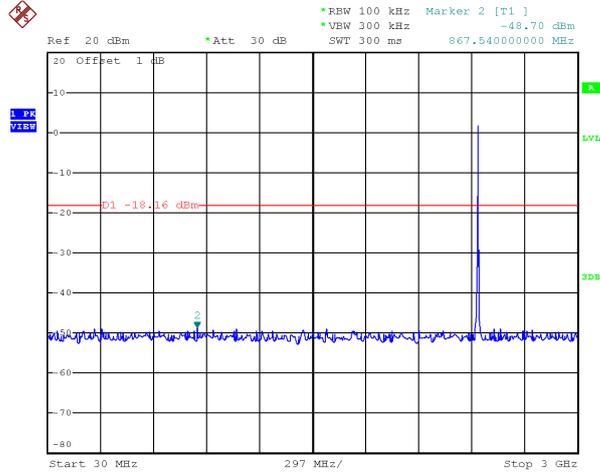


Date: 11.JAN.2017 22:56:25

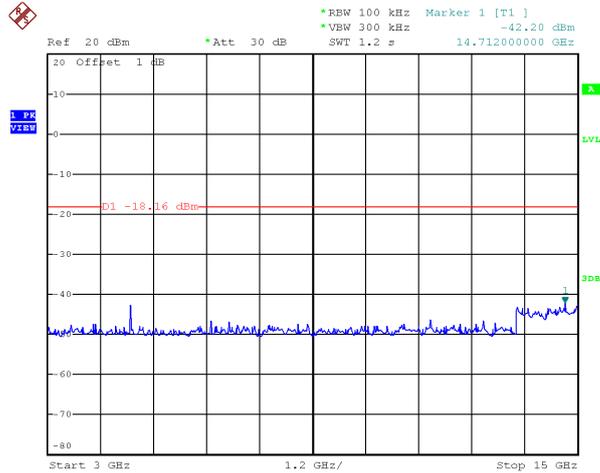


Date: 11.JAN.2017 22:56:04

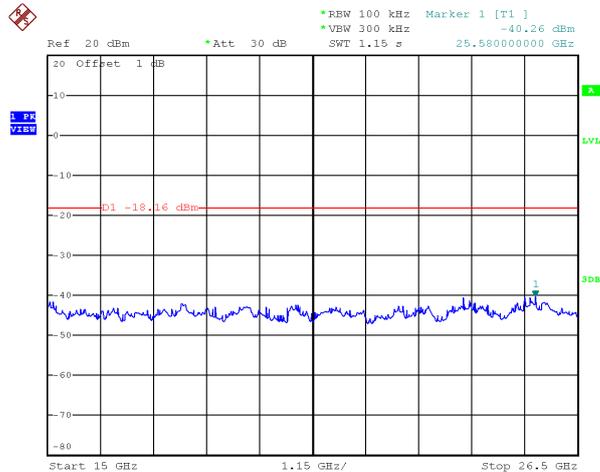
### 2440MHz (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JAN.2017 22:40:45

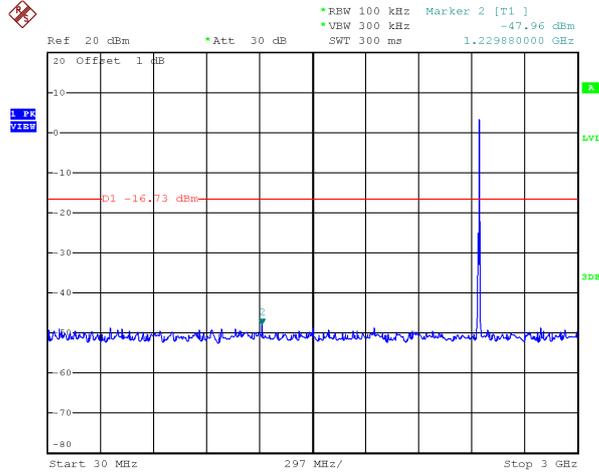


Date: 11.JAN.2017 22:41:13

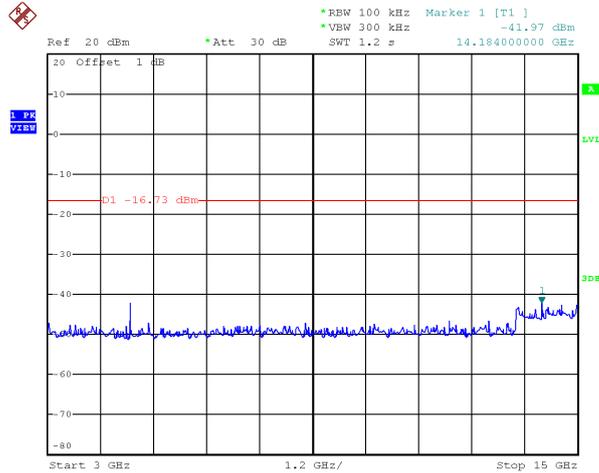


Date: 11.JAN.2017 22:41:39

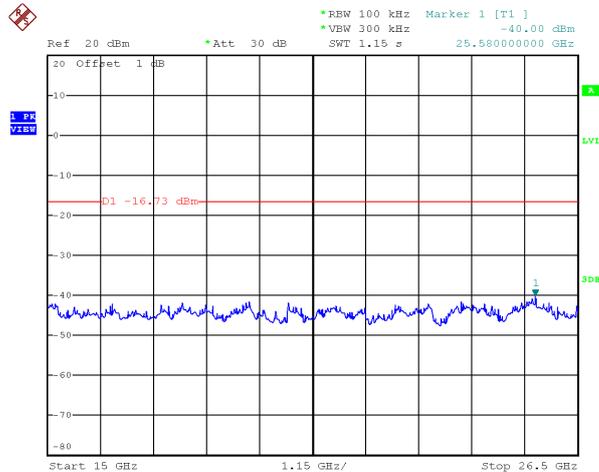
### 2445MHz (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JAN.2017 22:30:14

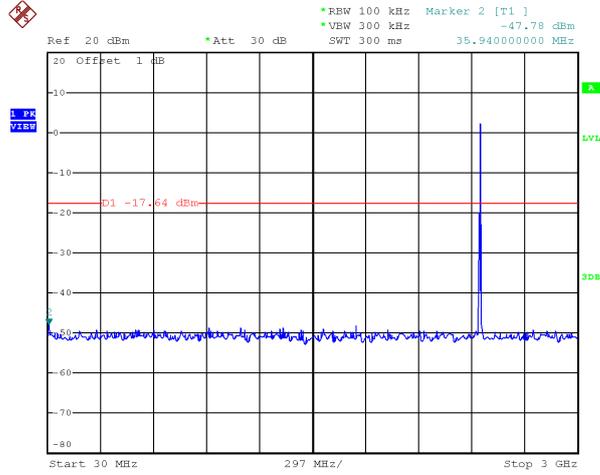


Date: 11.JAN.2017 22:32:34

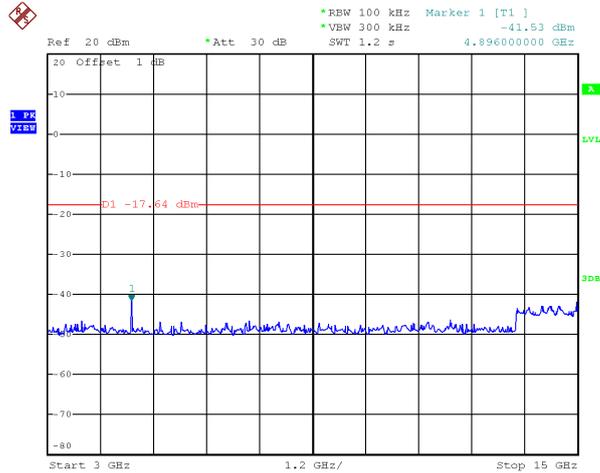


Date: 11.JAN.2017 22:32:11

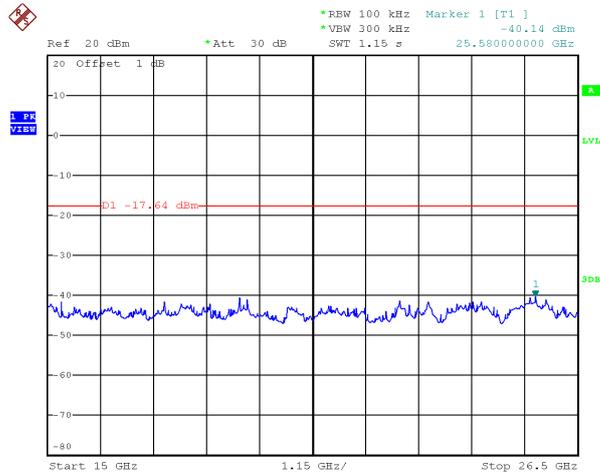
### 2450MHz (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JAN.2017 22:23:11

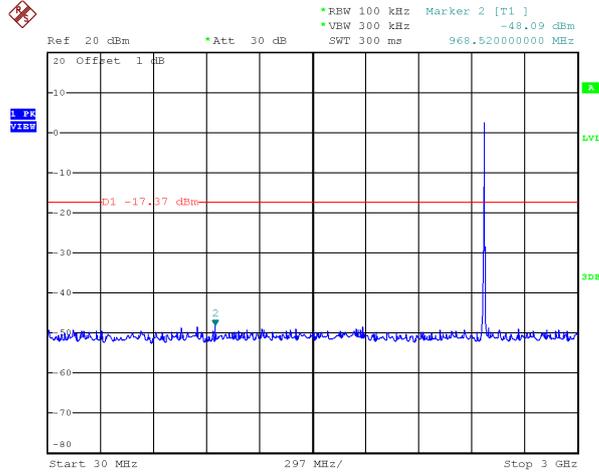


Date: 11.JAN.2017 22:23:58

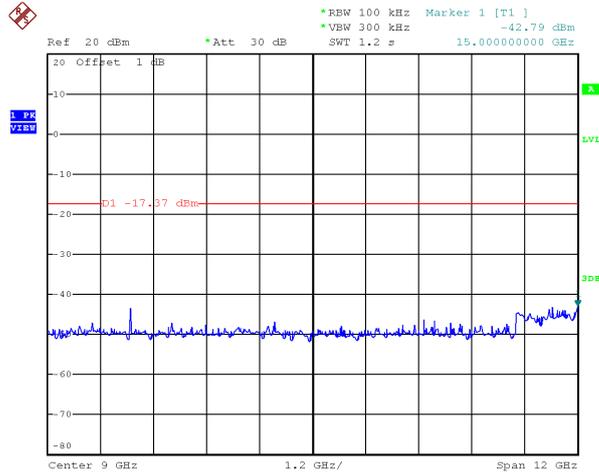


Date: 11.JAN.2017 22:24:30

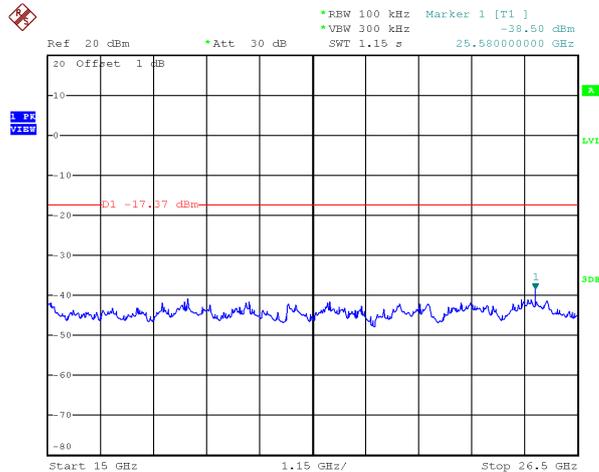
**2475MHz (10<sup>th</sup> Harmonic of the frequency)**



Date: 11.JAN.2017 22:25:38

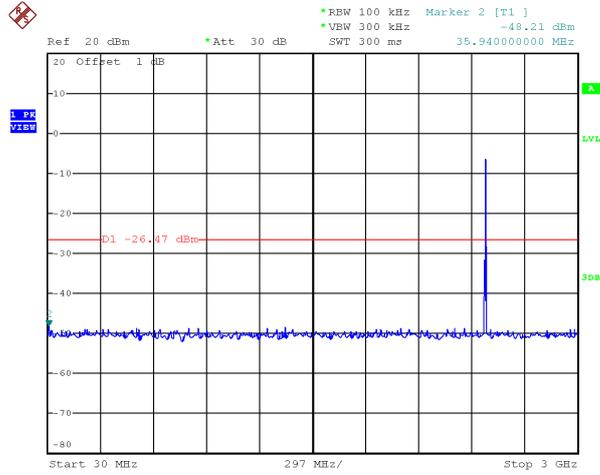


Date: 11.JAN.2017 22:33:10

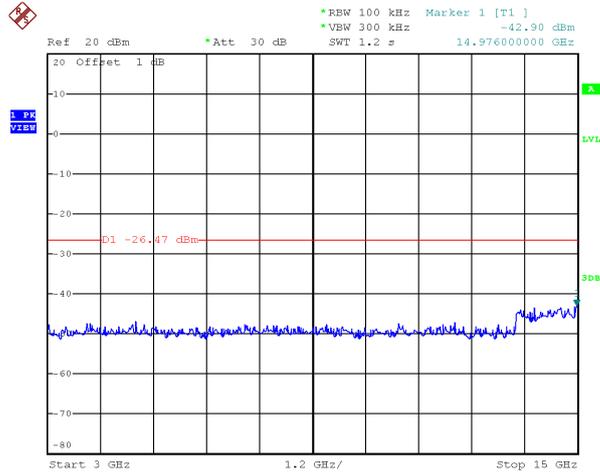


Date: 11.JAN.2017 22:33:38

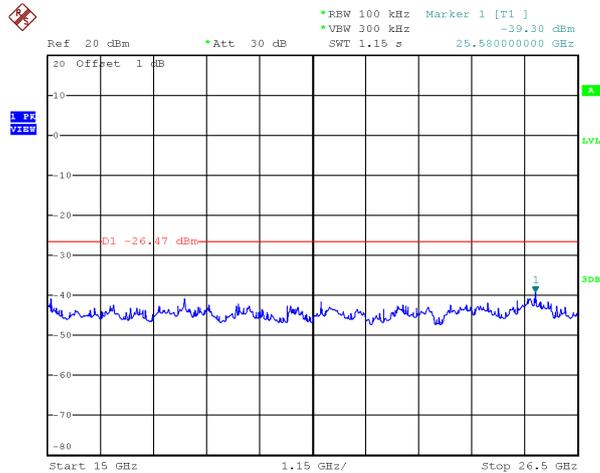
### 2480MHz (10<sup>th</sup> Harmonic of the frequency)



Date: 11.JAN.2017 22:14:23



Date: 11.JAN.2017 22:14:31

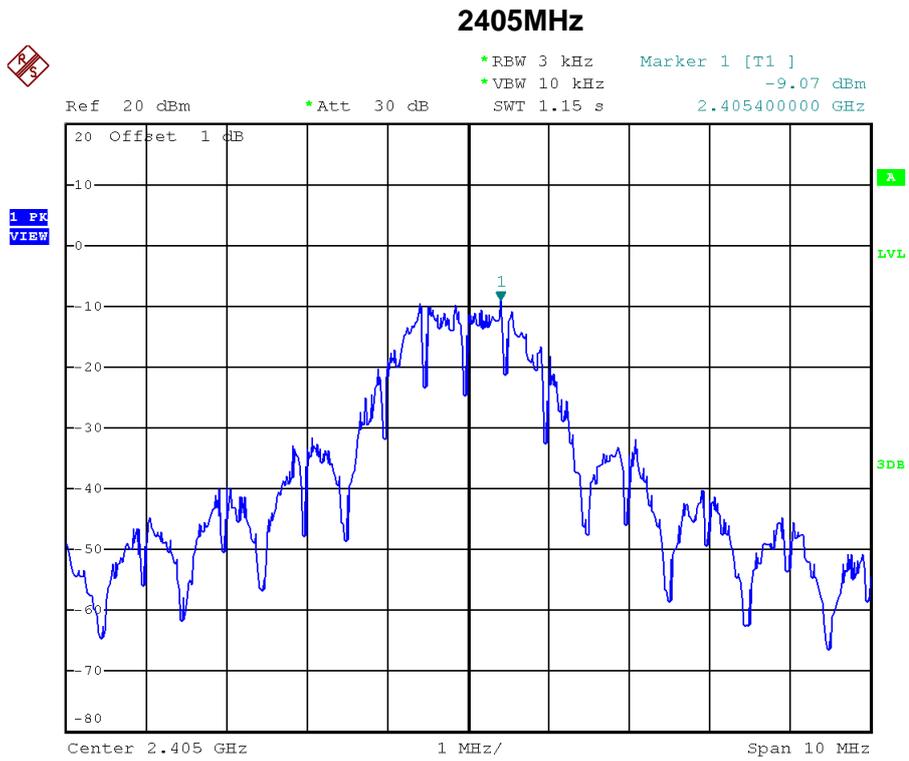


Date: 11.JAN.2017 22:14:38

## ATTACHMENT H - POWER SPECTRAL DENSITY TEST

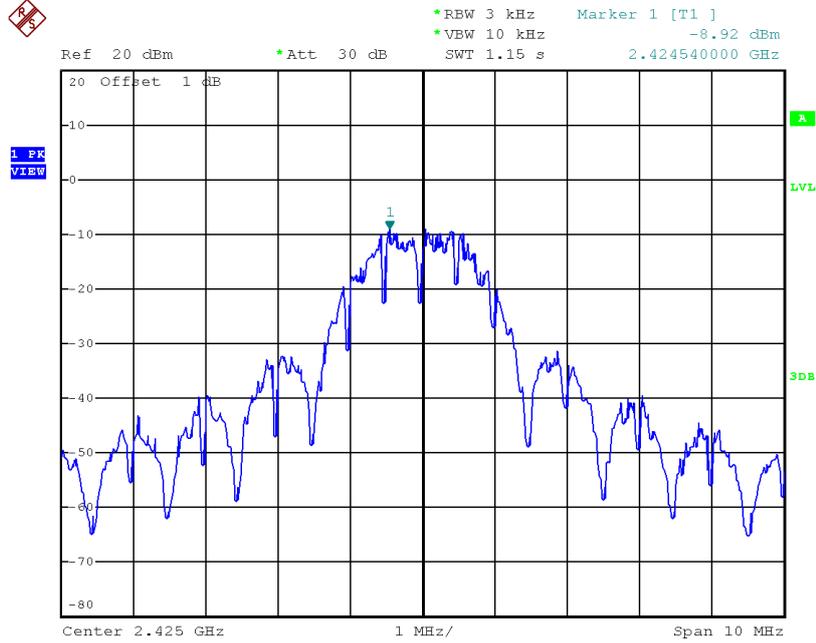
Test Mode : TX Mode

Frequency (MHz)	Power Density (dBm)	Max. Limit (dBm)
2405	-9.07	8
2425	-8.92	8
2440	-7.80	8
2445	-8.11	8
2450	-8.36	8
2475	-8.67	8
2480	-18.64	8



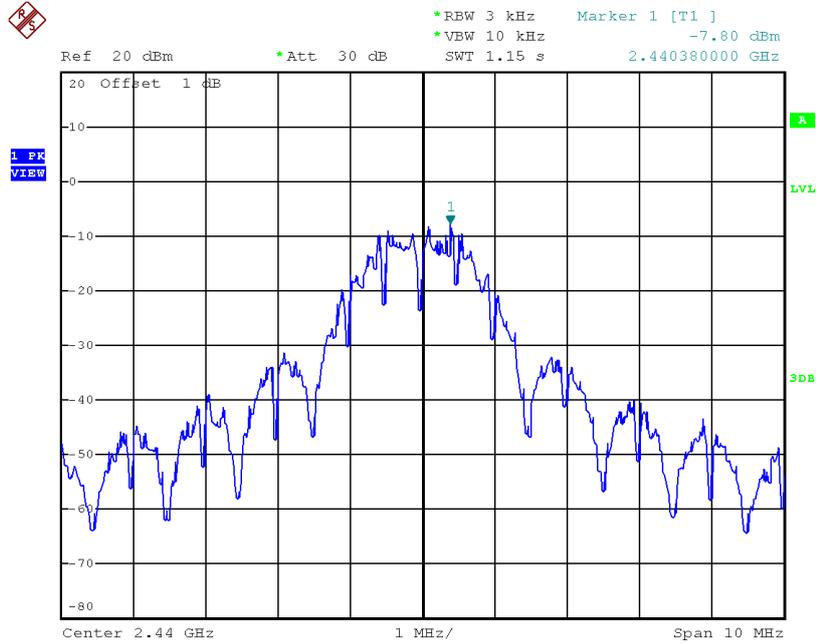
Date: 11.JAN.2017 22:06:52

### 2425MHz



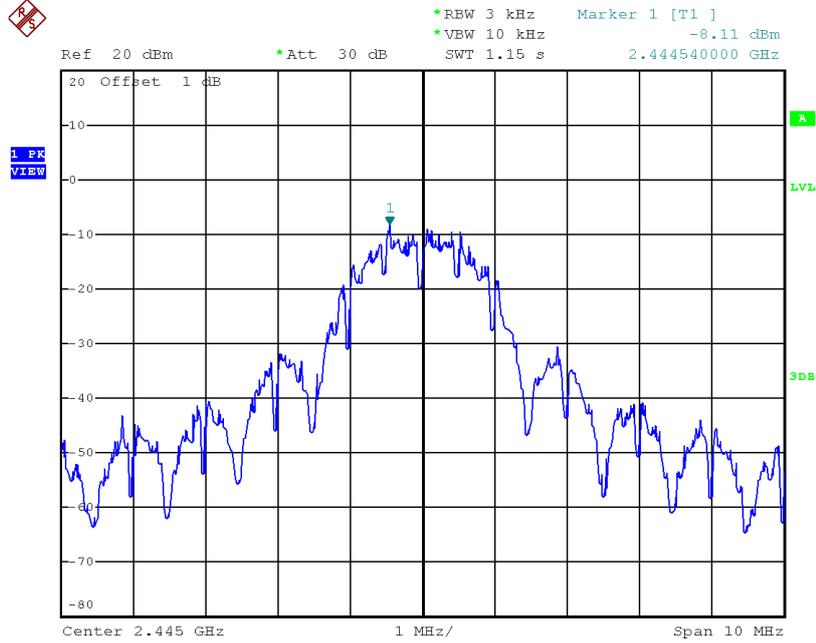
Date: 11.JAN.2017 22:05:50

### 2440MHz



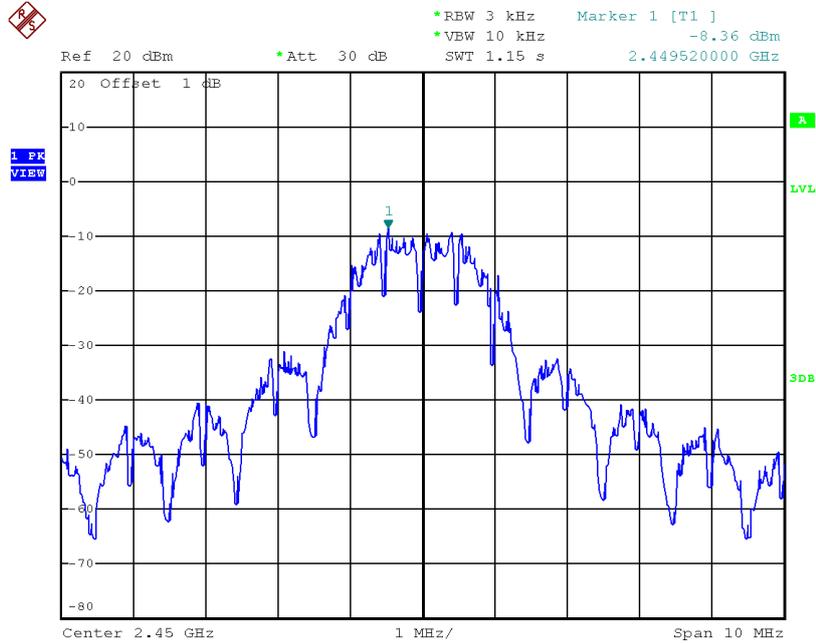
Date: 11.JAN.2017 22:05:10

### 2445MHz



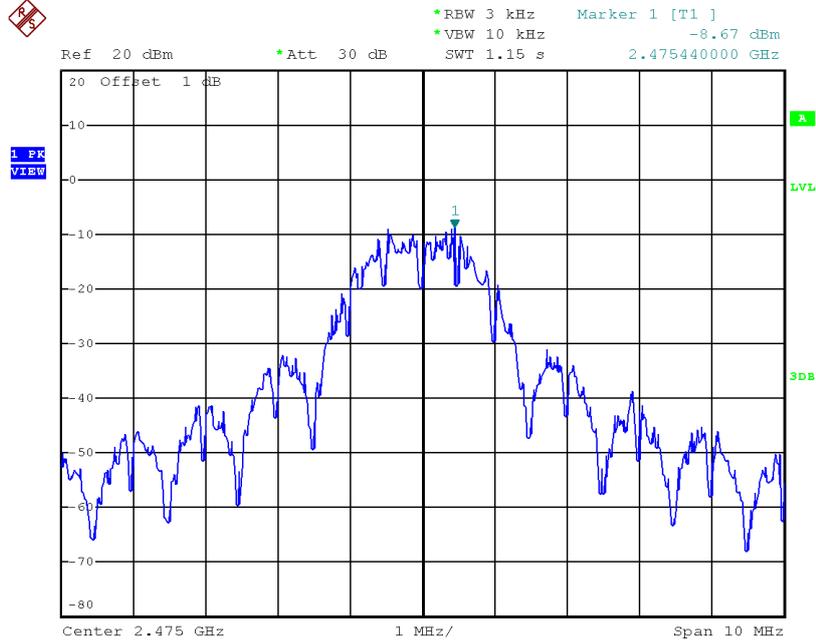
Date: 11.JAN.2017 22:04:04

### 2450MHz



Date: 11.JAN.2017 22:03:26

### 2475MHz



Date: 11.JAN.2017 22:01:52

### 2480MHz



Date: 11.JAN.2017 21:43:05