

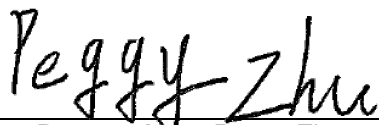
# FCC Radio Test Report

## FCC ID: TE7KP303V2

This report concerns: Original Grant

**Project No.** : 2010C041  
**Equipment** : Kasa Smart Wi-Fi Power Strip, 3-Outlet  
**Brand Name** : tp-link  
**Test Model** : KP303  
**Series Model** : N/A  
**Applicant** : TP-Link Technologies Co., Ltd.  
**Address** : Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China  
**Manufacturer** : TP-Link Technologies Co., Ltd.  
**Address** : Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China  
**Date of Receipt** : Oct. 14, 2020  
**Date of Test** : Oct. 14, 2020 ~ Dec. 07, 2020  
**Issued Date** : Dec. 11, 2020  
**Report Version** : R03  
**Test Sample** : Engineering Sample No.: DG2020101446 for conducted, DG2020101447 for radiated.  
**Standard(s)** : FCC Part15, Subpart C (15.247)  
ANSI C63.10-2013  
FCC KDB 558074 D01 15.247 Meas Guidance v05r02

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



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The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

**Limitation**

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

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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**REPORT ISSUED HISTORY**

Report Version	Description	Issued Date
R00	Original Issue.	Nov. 24, 2020
R01	1. Changed the applicant and manufacturer information. 2. Updated the FCC ID.	Nov. 26, 2020
R02	1. Updated the data of AC Power Line Conducted Emissions and Radiated Emissions below 1GHz. 2. Updated the test photos of AC Power Line Conducted Emissions and Radiated Emissions below 1GHz. 3. Added the description in section 2.2.	Dec. 07, 2020
R03	Added the data of Radiated Emissions Above 1GHz.	Dec. 11, 2020

## 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart C (15.247)				
Standard(s) Section	Test Item	Test Result	Judgment	Remark
15.207	AC Power Line Conducted Emissions	APPENDIX A	PASS	-----
15.247(d) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	-----
15.247(a)(2)	Bandwidth	APPENDIX E	PASS	-----
15.247(b)(3)	Maximum Average Output Power	APPENDIX F	PASS	-----
15.247(d)	Conducted Spurious Emissions	APPENDIX G	PASS	-----
15.247(e)	Power Spectral Density	APPENDIX H	PASS	-----
15.203	Antenna Requirement	-----	PASS	Note(2)

Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

### 1.1 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 Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

### 1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

#### A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U, (dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.68

#### B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9kHz ~ 30MHz	-	3.02
		30MHz ~ 200MHz	V	4.26
		30MHz ~ 200MHz	H	3.38
		200MHz ~ 1,000MHz	V	3.98
		200MHz ~ 1,000MHz	H	3.94
		1GHz ~ 6GHz	-	3.96
		6GHz ~ 18GHz	-	5.24
		18GHz ~ 26.5GHz	-	3.62
		26.5GHz ~ 40GHz	-	4.00

#### C. Other Measurement:

Test Item	Uncertainty
Bandwidth	±3.8 %
Maximum Output Power	±0.95 dB
Conducted Spurious Emission	±2.71 dB
Power Spectral Density	±0.86 dB
Temperature	±0.08 °C
Time	±0.58 %
Supply voltages	±0.3 %

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



**1.3 TEST ENVIRONMENT CONDITIONS**

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	25°C	53%	AC 120V/60Hz	Hand Huang
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-30 MHz to 1GHz	26°C	52%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-Above 1000 MHz	24°C	60%	AC 120V/60Hz	Kwok Guo
Bandwidth	22°C	36%	AC 120V/60Hz	Hayden Chen
Maximum Average Output Power	22°C	36%	AC 120V/60Hz	Hayden Chen
Conducted Spurious Emissions	22°C	36%	AC 120V/60Hz	Hayden Chen
Power Spectral Density	22°C	36%	AC 120V/60Hz	Hayden Chen

## 2. GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

Equipment	Kasa Smart Wi-Fi Power Strip, 3-Outlet
Brand Name	tp-link
Test Model	KP303
Series Model	N/A
Model Difference(s)	N/A
HVIN	KP303V2
Power Source	AC Mains.
Power Rating	100-240V~ 50/60Hz
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM
Bit Rate of Transmitter	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 72.2 Mbps
Maximum Average Output Power	IEEE 802.11b: 20.81 dBm (0.1205 W) IEEE 802.11g: 19.99 dBm (0.0998 W) IEEE 802.11n (HT20): 20.46 dBm (0.1112 W)

Note:

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

2. Channel List:

CH01 - CH11 for IEEE 802.11b, IEEE 802.11g, IEEE 802.11n (HT20)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. Antenna Specification:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	tp-link	6035500079	Internal	N/A	2.98

## 2.2 DESCRIPTION OF TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX B Mode Channel 06
Mode 5	TX B Mode Channel 01/02/06/10/11
Mode 6	TX G Mode Channel 01/02/06/10/11
Mode 7	TX N-20 MHz Mode Channel 01/02/06/10/11

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

<b>AC power line conducted emissions test</b>	
Final Test Mode	Description
Mode 4	TX B Mode Channel 06

<b>Radiated emissions test - Below 1GHz</b>	
Final Test Mode	Description
Mode 4	TX B Mode Channel 06

<b>Radiated emissions test- Above 1GHz</b>	
Final Test Mode	Description
Mode 5	TX B Mode Channel 01/02/06/10/11
Mode 6	TX G Mode Channel 01/02/06/10/11
Mode 7	TX N-20 MHz Mode Channel 01/02/06/10/11

<b>Conducted test</b>	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11

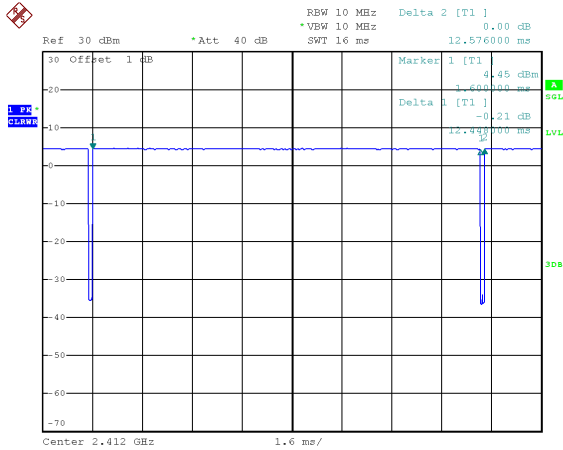
**NOTE:**

- (1) The measurements are performed at the high, middle, low available channels.
- (2) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (3) For radiated emission below 1 GHz test, the IEEE 802.11b Channel 06 is found to be the worst case and recorded.
- (4) For radiated emission above 1 GHz test, 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (5) For AC power line conducted emissions and radiated emissions below 1GHz test, Light load and Heavy load (1800W(Each of the load is 200W, Philips)) have been tested and Heavy load (1800W(Each of the load is 200W, Philips)) is found to be the worst case and recorded.
- (6) The EUT is considered a portable unit, it was pre-tested on the positioned of each 3 axis. The worst case was found positioned on X-plane. Therefore, only the test data of this X-plane was used for radiated emission measurement test.

## 2.3 DUTY CYCLE

If duty cycle is  $\geq 98\%$ , duty factor is not required.  
 If duty cycle is  $< 98\%$ , duty factor shall be considered.  
 The output power = measured power + duty factor.

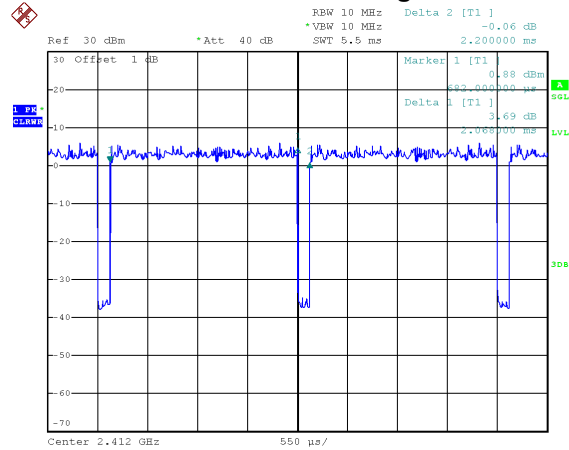
**IEEE 802.11b**



Date: 1.JAN.2003 11:51:27

Duty cycle =  $12.480 \text{ ms} / 12.608 \text{ ms} = 98.98\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.00$

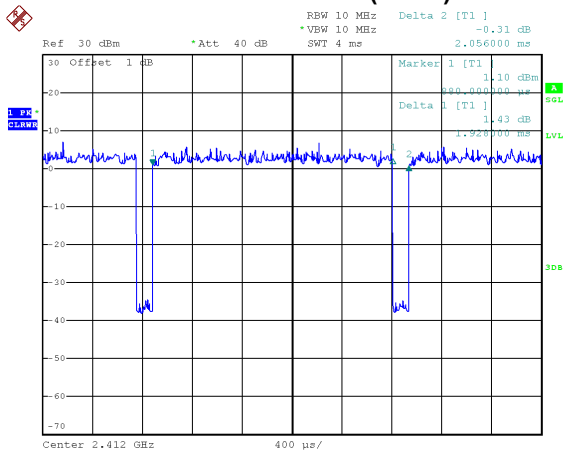
**IEEE 802.11g**



Date: 1.JAN.2003 11:51:51

Duty cycle =  $2.068 \text{ ms} / 2.200 \text{ ms} = 94.00\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.27$

**IEEE 802.11n (HT20)**



Date: 1.JAN.2003 11:52:13

Duty cycle =  $1.928 \text{ ms} / 2.056 \text{ ms} = 93.77\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.28$

**NOTE:**

For IEEE 802.11b, IEEE 802.11g and IEEE 802.11n (HT20):  
 For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle  $< 98\%$ ).

**2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED****2.5 SUPPORT UNITS**

Item	Equipment	Brand	Model No.	Series No.
-	-	-	-	-

Item	Cable Type	Shielded Type	Ferrite Core	Length
-	-	-	-	-

### 3. AC POWER LINE CONDUCTED EMISSIONS TEST

#### 3.1 LIMIT

Frequency of Emission (MHz)	Limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

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

The following table is the setting of the receiver

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

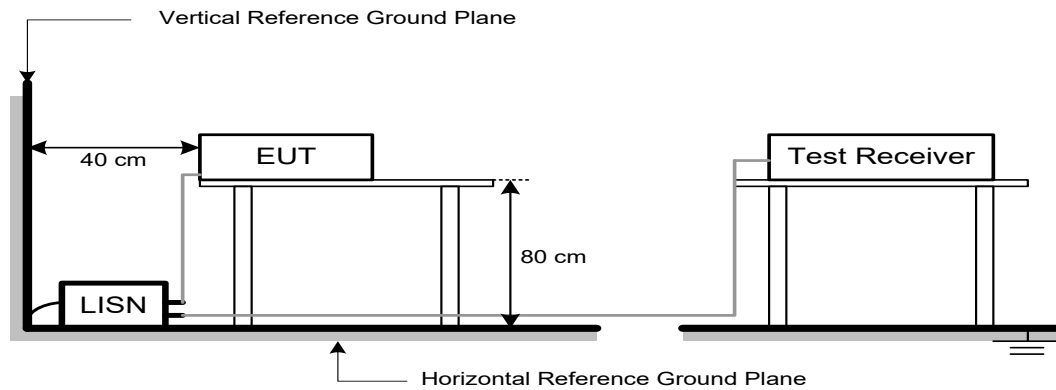
#### 3.2 TEST PROCEDURE

- 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.

#### 3.3 DEVIATION FROM TEST STANDARD

No deviation

### 3.4 TEST SETUP



### 3.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

### 3.6 TEST RESULTS

Please refer to the APPENDIX A.



## 4. RADIATED EMISSIONS TEST

### 4.1 LIMIT

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 (9 kHz-1000 MHz)

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
Above 960	500	3

#### LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	(dBuV/m at 3 m)	
	Peak	Average
Above 1000	74	54

#### NOTE:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1 MHz / 3 MHz for Peak, 1 MHz / 1/T for Average

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

#### 4.2 TEST PROCEDURE

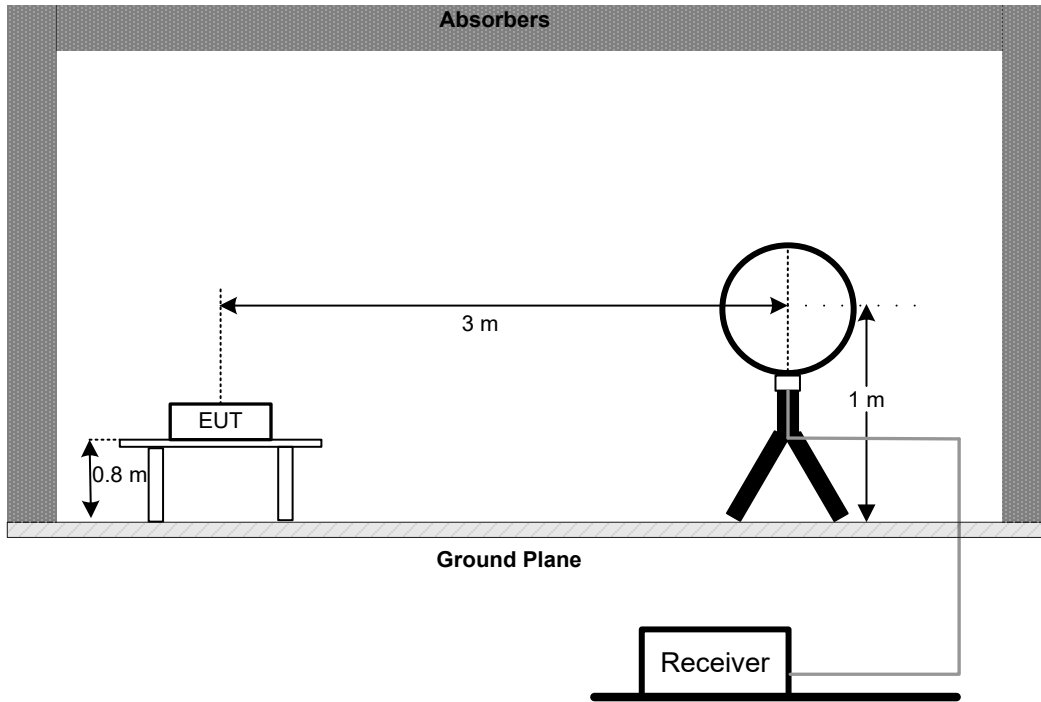
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b. The measuring distance 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 1 GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m 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. 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 1 GHz.
- 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 1 GHz)
- 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 1 GHz)
- i. For the actual test configuration, please refer to the related Item -EUT Test Photos.

#### 4.3 DEVIATION FROM TEST STANDARD

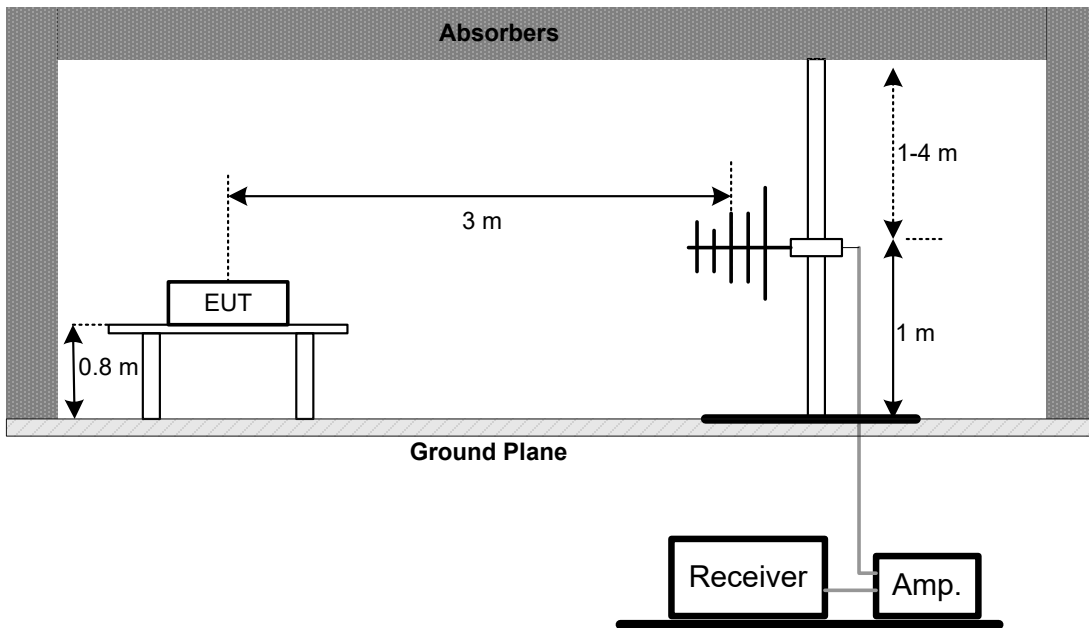
No deviation

**4.4 TEST SETUP**

**9 kHz-30 MHz**



**30 MHz to 1 GHz**





## 5. BANDWIDTH TEST

### 5.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(a)(2)	6 dB Bandwidth	Minimum 500 kHz
	99% Emission Bandwidth	-

### 5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting:
  - For 6 dB Bandwidth: RBW= 100 kHz, VBW=300 kHz, Sweep time = auto.
  - For 99% Emission Bandwidth B/G/N-20 Mode: RBW= 300 kHz, VBW=1 MHz, Sweep time = 2.5 ms.
- The bandwidth was performed in accordance with method 11.8.1 of ANSI C63.10-2013.

### 5.3 DEVIATION FROM STANDARD

No deviation.

### 5.4 TEST SETUP



### 5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 5.6 TEST RESULTS

Please refer to the APPENDIX E.

## 6. MAXIMUM AVERAGE OUTPUT POWER TEST

### 6.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(b)(3)	Maximum Average Output Power	1 Watt or 30dBm

### 6.2 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- The maximum conducted output power was performed in accordance with method 11.9.2.3.1 of ANSI C63.10-2013.

### 6.3 DEVIATION FROM STANDARD

No deviation.

### 6.4 TEST SETUP



### 6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 6.6 TEST RESULTS

Please refer to the APPENDIX F.

## 7. CONDUCTED SPURIOUS EMISSIONS

### 7.1 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 or a radiated measurement, provided the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required.

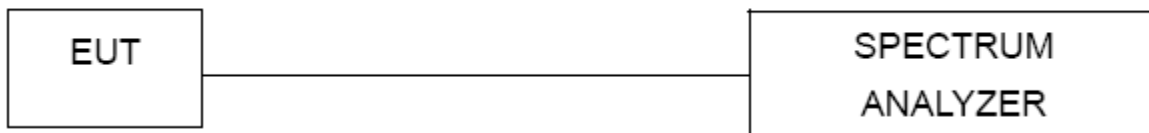
### 7.2 TEST PROCEDURE

- 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= 100 kHz, VBW=300 kHz, Sweep time = Auto.

### 7.3 DEVIATION FROM STANDARD

No deviation.

### 7.4 TEST SETUP



### 7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 7.6 TEST RESULTS

Please refer to the APPENDIX G.

## 8. POWER SPECTRAL DENSITY TEST

### 8.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(e)	Power Spectral Density	8 dBm (in any 3 kHz)

### 8.2 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=3 kHz, VBW=10 kHz, Sweep time = Auto.
- The Power Spectral Density was performed in accordance with method 11.10.2 of ANSI C63.10-2013.

### 8.3 DEVIATION FROM STANDARD

No deviation.

### 8.4 TEST SETUP



### 8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 8.6 TEST RESULTS

Please refer to the APPENDIX H.



**9. MEASUREMENT INSTRUMENTS LIST**

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Feb. 28, 2021
2	LISN	EMCO	3816/2	52765	Mar. 01, 2021
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Feb. 28, 2021
4	50Ω Terminator	SHX	TF5-3	15041305	Mar. 01, 2021
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 10, 2021
7	643 Shield Room	ETS	6*4*3m	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	EM	EM-6876-1	230	Apr. 16, 2021
2	Cable	N/A	RG 213/U	N/A	May 29, 2021
3	EMI Test Receiver	R&S	ESCI	100895	Feb. 28, 2021
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
5	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2021

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 09, 2021
2*	Amplifier	HP	8447D	2944A09673	Aug. 11, 2021
3	Receiver	Agilent	N9038A	MY52130039	Jul. 25, 2021
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	May 22, 2021
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2021

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	May 12, 2021
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jul. 07, 2021
3	Amplifier	Agilent	8449B	3008A02333	Mar. 01, 2021
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 07, 2021
5	Receiver	Agilent	N9038A	MY52130039	Jul. 25, 2021
6	Controller	CT	SC100	N/A	N/A
7	Controller	MF	MF-7802	MF780208416	N/A
8	Cable	N/A	EMC104-SM-SM-6000	N/A	May 09, 2021
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	Filter	STI	STI15-9912	N/A	Jul. 25, 2021
11	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2021

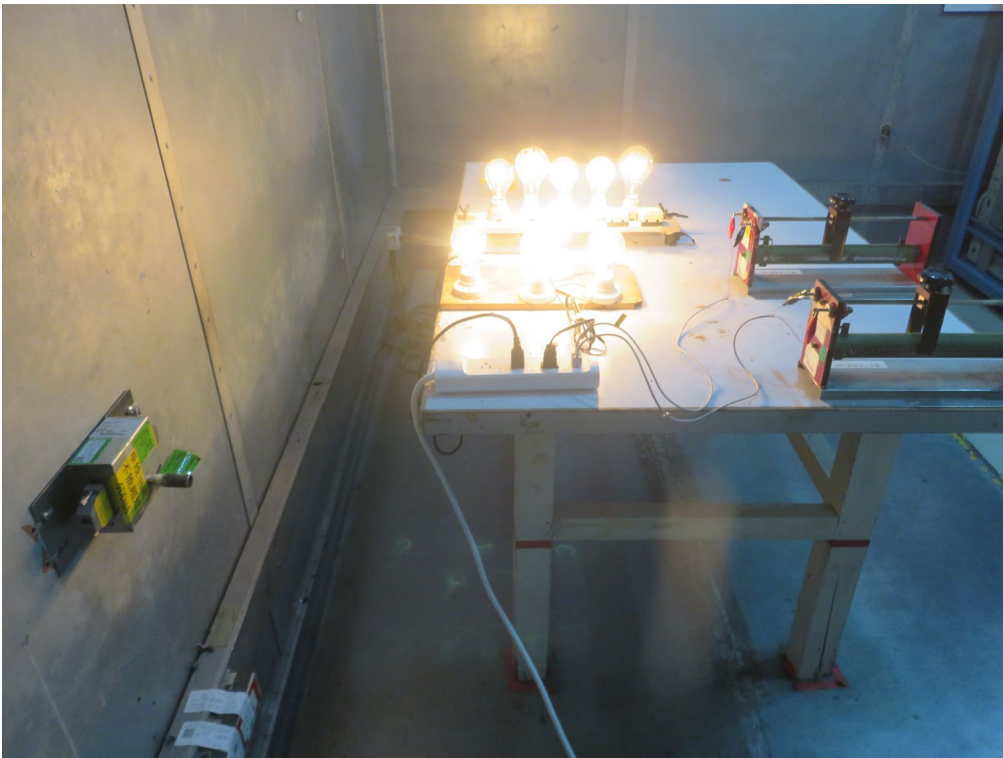
Bandwidth & Antenna Conducted Spurious Emissions & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 25, 2021
2	RF Cable	Tongkaichuan	N/A	N/A	N/A
3	DC Block	Mini	N/A	N/A	N/A

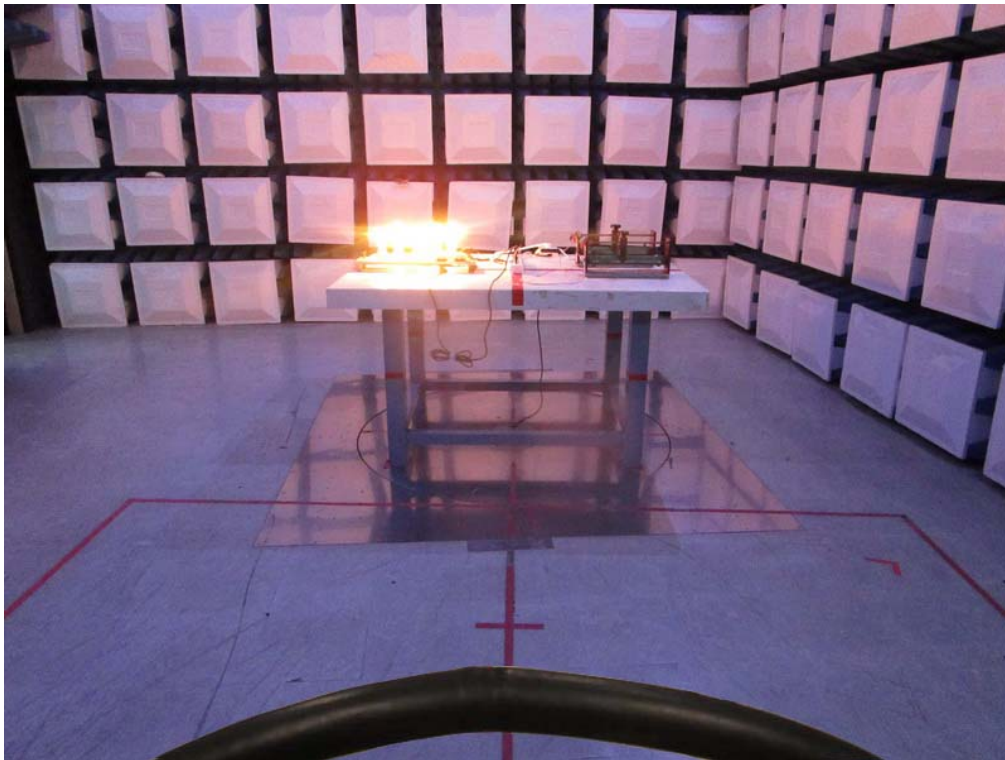
Maximum Average Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Aug. 07, 2021
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jul. 25, 2021
3	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 11, 2021
4	RF Cable	Tongkaichuan	N/A	N/A	N/A

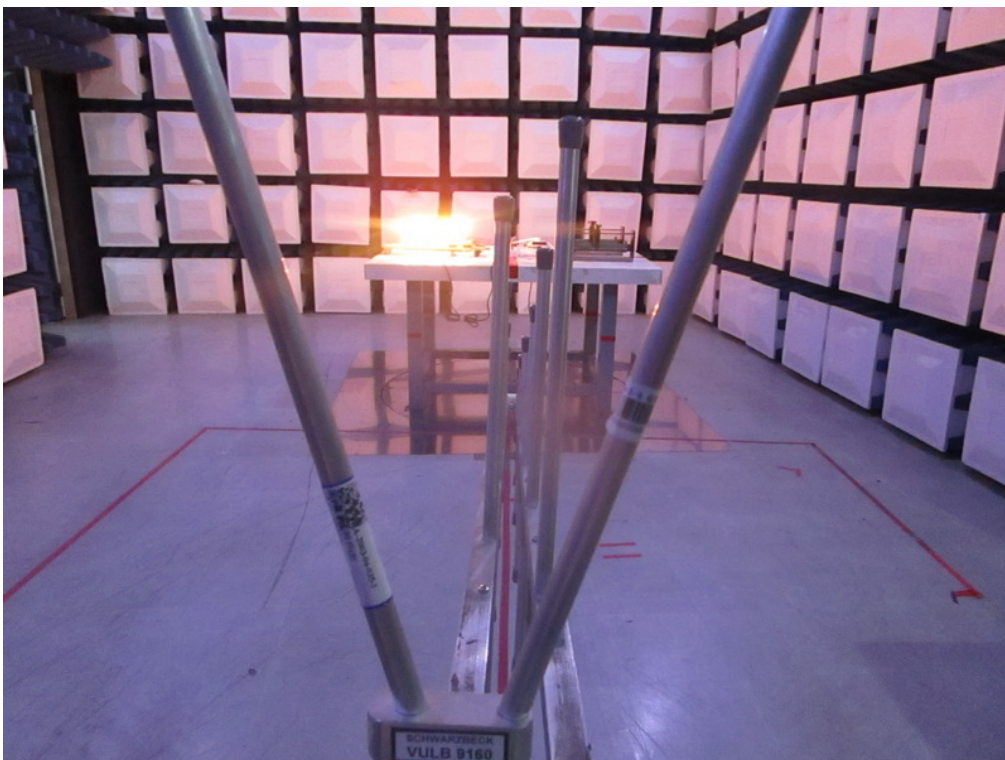
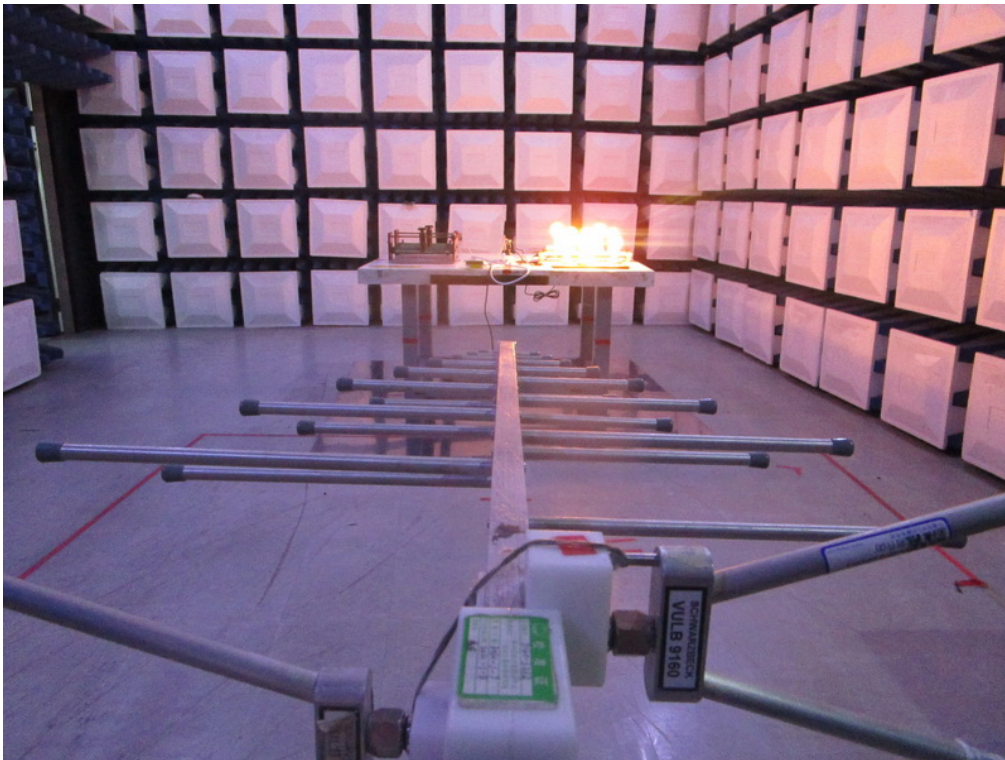
Remark: "N/A" denotes no model name, serial no. or calibration specified.

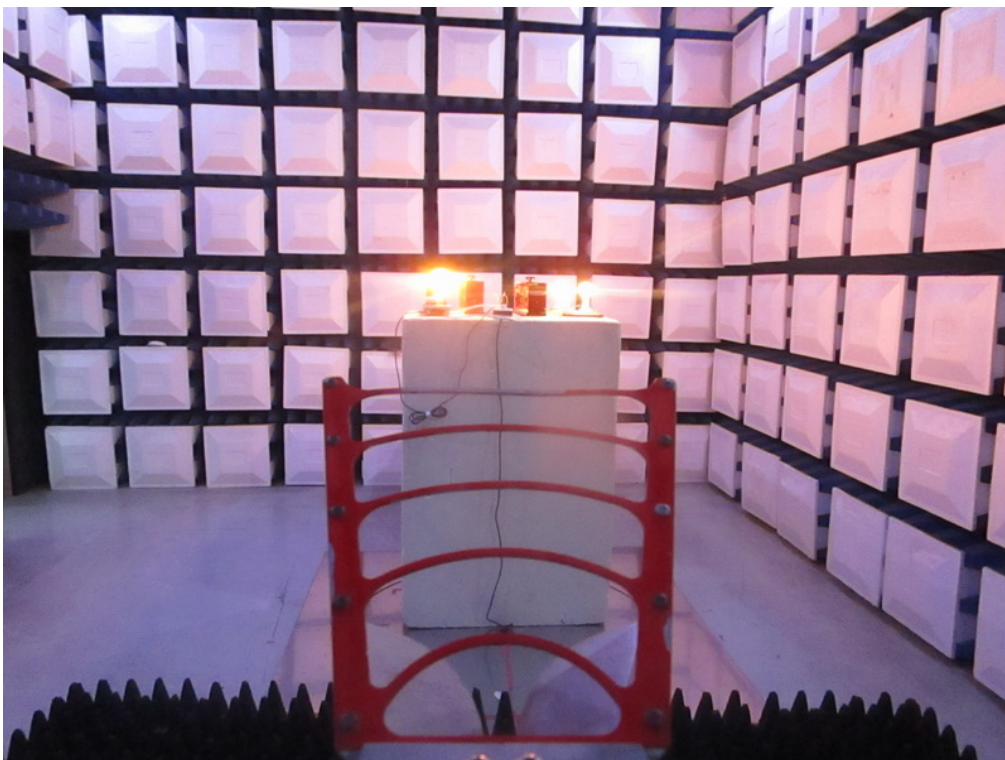
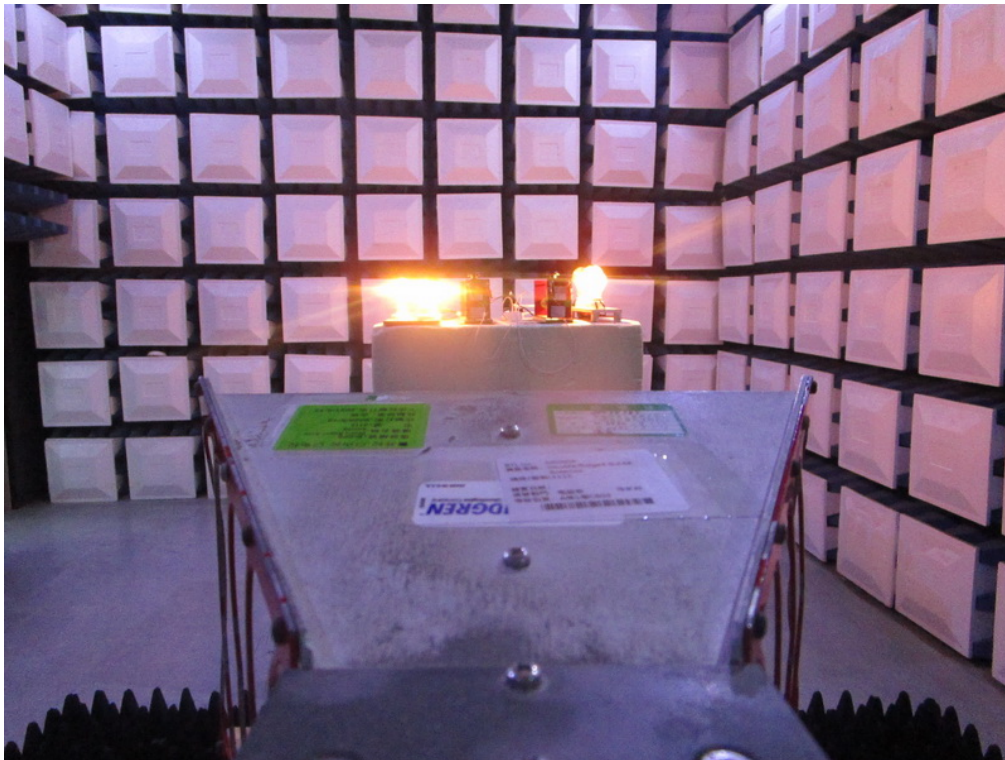
"\*\*" calibration period of equipment list is three year.

Except \* item, all calibration period of equipment list is one year.

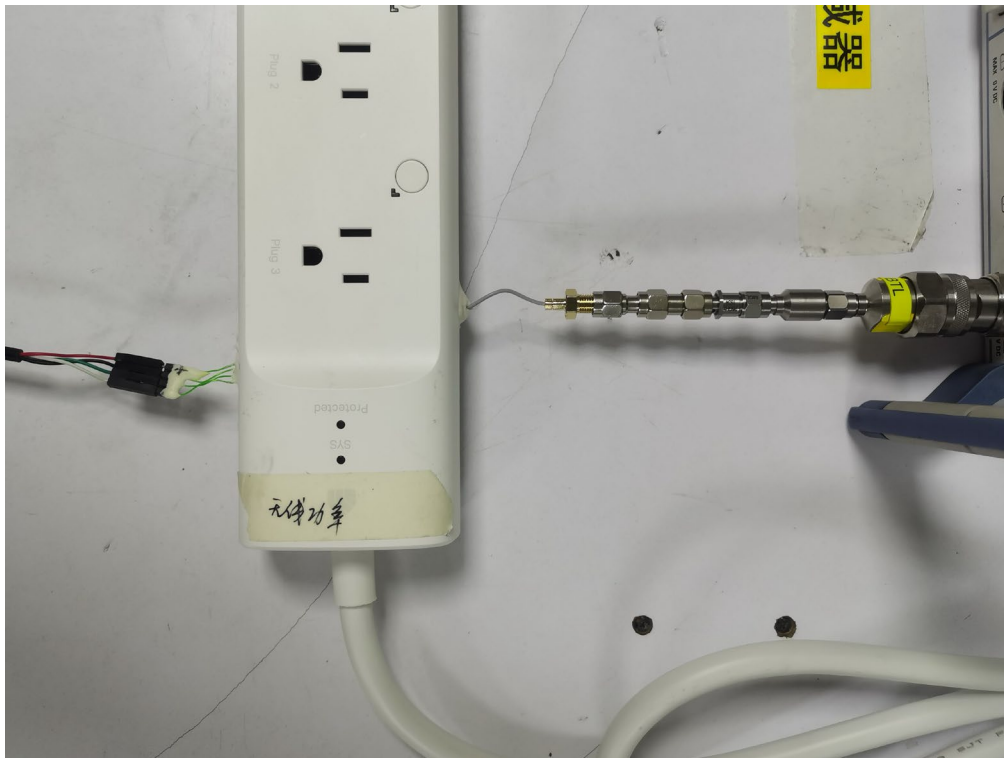
**10. EUT TEST PHOTO****AC Power Line Conducted Emissions Test Photos**

**Radiated Emissions Test Photos****9 kHz to 30 MHz**

**Radiated Emissions Test Photos****30 MHz to 1 GHz**

**Radiated Emissions Test Photos****Above 1 GHz**

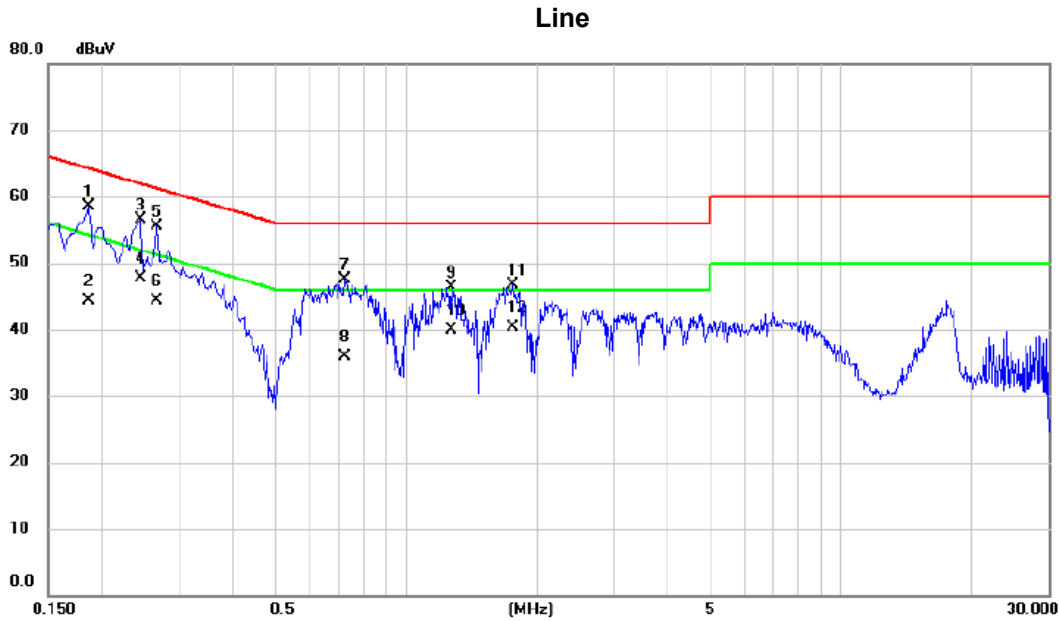
### Conducted Test Photos



## **APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS**



Test Mode: TX B Mode Channel 06



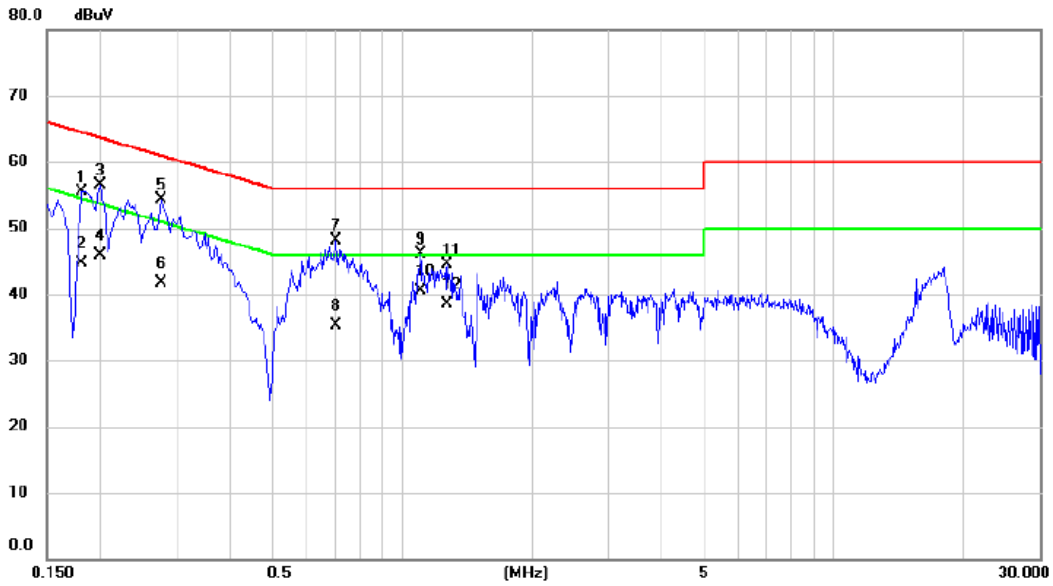
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1860	48.64	9.86	58.50	64.21	-5.71	peak	
2		0.1860	34.50	9.86	44.36	54.21	-9.85	AVG	
3		0.2445	46.64	9.87	56.51	61.94	-5.43	peak	
4	*	0.2445	37.90	9.87	47.77	51.94	-4.17	AVG	
5		0.2670	45.64	9.88	55.52	61.21	-5.69	peak	
6		0.2670	34.50	9.88	44.38	51.21	-6.83	AVG	
7		0.7214	37.57	9.89	47.46	56.00	-8.54	peak	
8		0.7214	25.93	9.89	35.82	46.00	-10.18	AVG	
9		1.2750	36.37	10.03	46.40	56.00	-9.60	peak	
10		1.2750	29.78	10.03	39.81	46.00	-6.19	AVG	
11		1.7610	36.64	10.07	46.71	56.00	-9.29	peak	
12		1.7610	30.27	10.07	40.34	46.00	-5.66	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode Channel 06

### Neutral



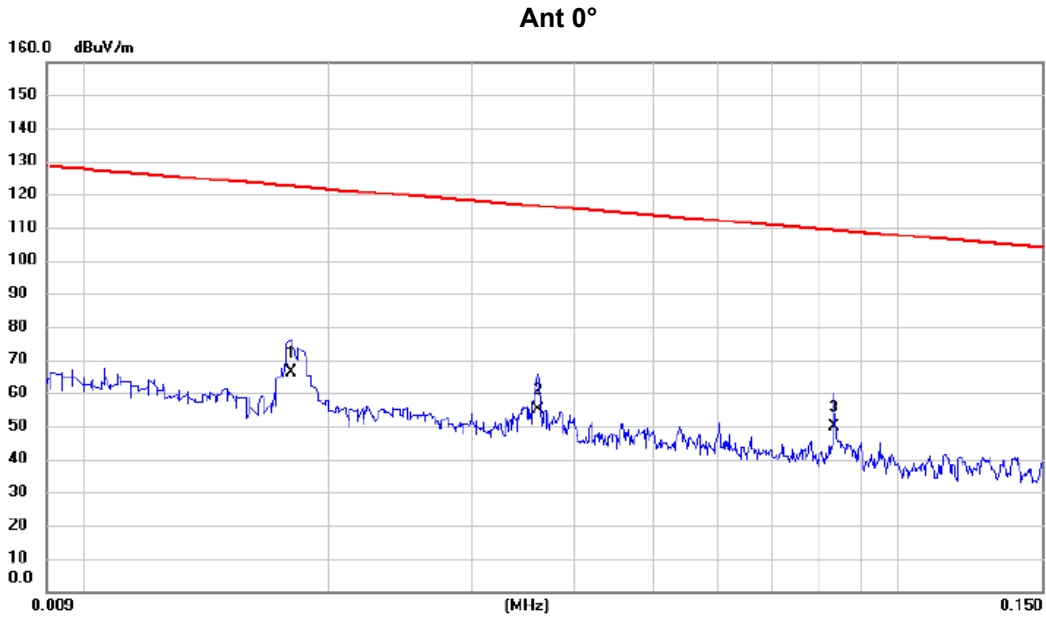
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1815	45.65	9.94	55.59	64.42	-8.83	peak	
2		0.1815	34.70	9.94	44.64	54.42	-9.78	AVG	
3		0.1995	46.40	10.01	56.41	63.63	-7.22	peak	
4		0.1995	35.80	10.01	45.81	53.63	-7.82	AVG	
5		0.2760	44.38	10.00	54.38	60.94	-6.56	peak	
6		0.2760	31.70	10.00	41.70	50.94	-9.24	AVG	
7		0.7034	37.95	10.11	48.06	56.00	-7.94	peak	
8		0.7034	25.20	10.11	35.31	46.00	-10.69	AVG	
9		1.1040	35.84	10.32	46.16	56.00	-9.84	peak	
10	*	1.1040	30.10	10.32	40.42	46.00	-5.58	AVG	
11		1.2750	34.11	10.33	44.44	56.00	-11.56	peak	
12		1.2750	28.11	10.33	38.44	46.00	-7.56	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

**APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ**

Test Mode: TX B Mode Channel 06



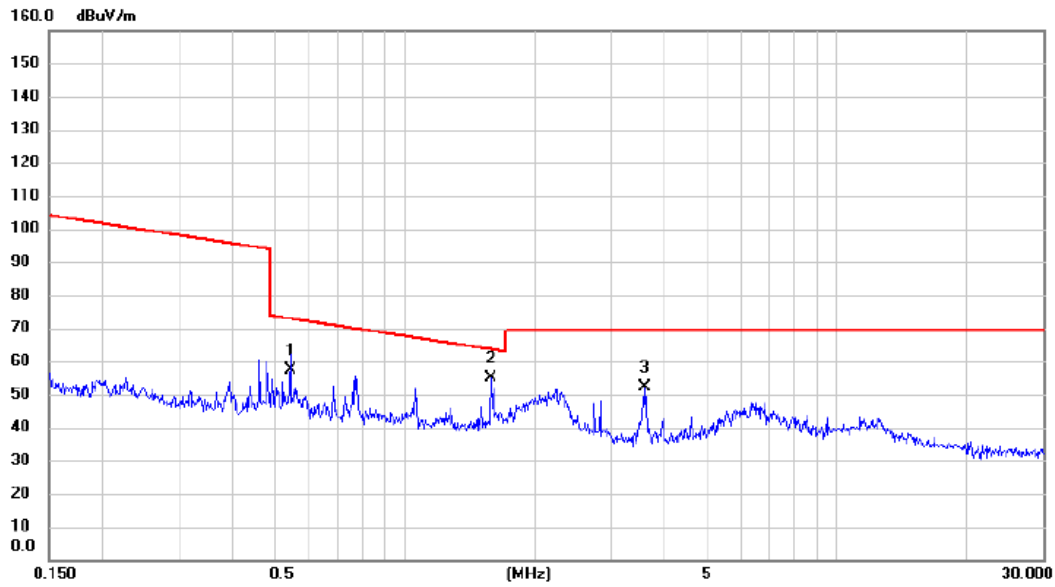
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	0.0180	52.44	13.84	66.28	122.50	-56.22	AVG	
2		0.0361	42.12	12.79	54.91	116.45	-61.54	AVG	
3		0.0834	37.33	12.62	49.95	109.18	-59.23	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode Channel 06

Ant 0°



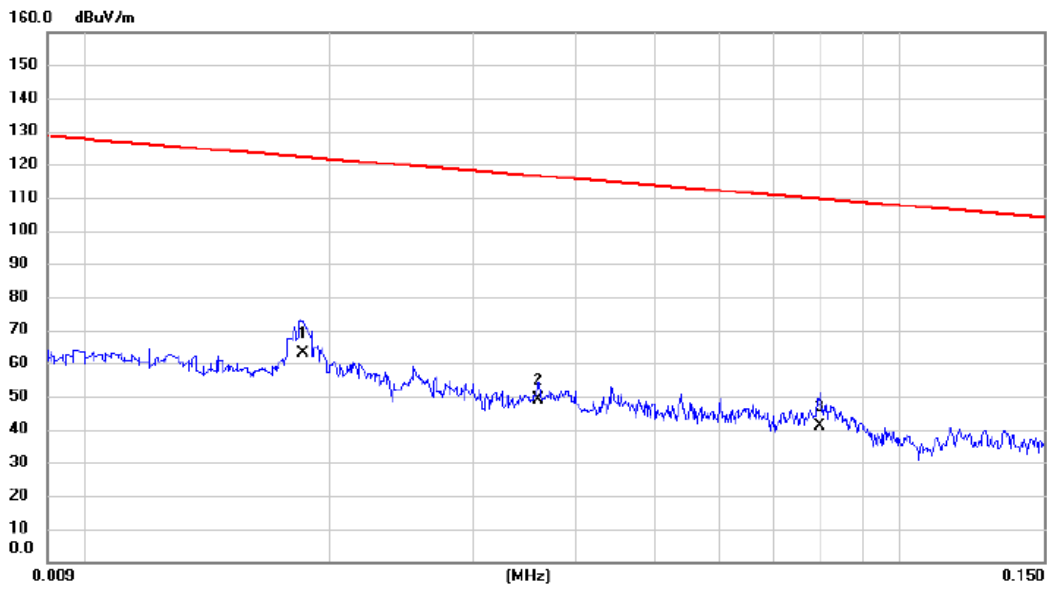
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.5435	45.34	11.99	57.33	72.90	-15.57	QP	
2 *	1.5850	43.47	11.51	54.98	63.60	-8.62	QP	
3	3.6033	41.49	10.90	52.39	69.54	-17.15	QP	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode Channel 06

**Ant 90°**



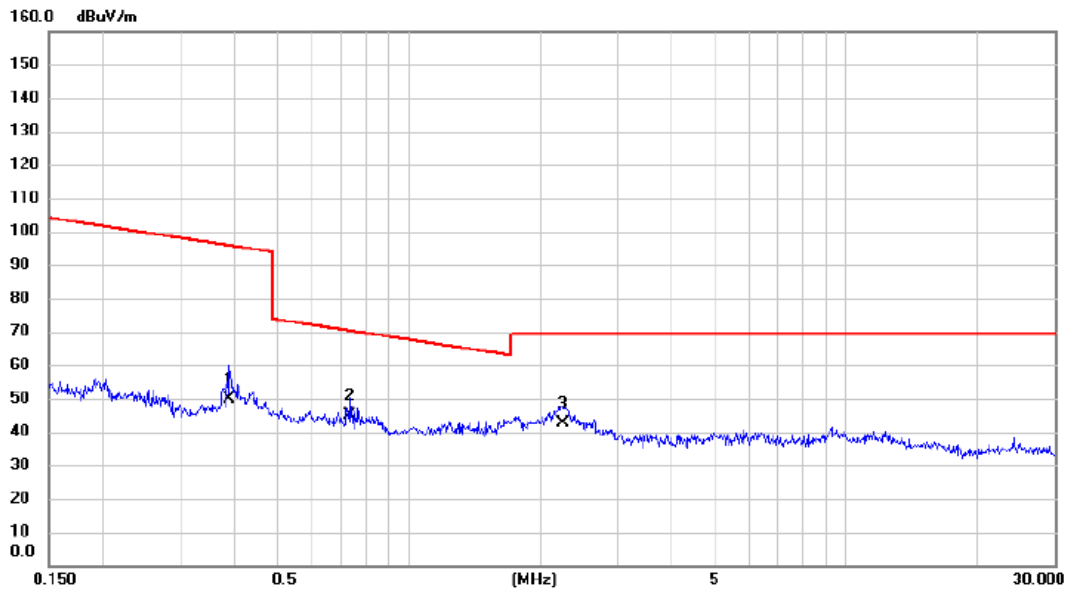
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	0.0185	49.45	13.68	63.13	122.26	-59.13	AVG	
2		0.0360	36.39	12.79	49.18	116.48	-67.30	AVG	
3		0.0798	28.49	12.60	41.09	109.56	-68.47	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode Channel 06

**Ant 90°**



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.3892	37.71	12.29	50.00	95.80	-45.80	AVG	
2	*	0.7351	33.14	11.92	45.06	70.28	-25.22	QP	
3		2.2605	31.44	11.17	42.61	69.54	-26.93	QP	

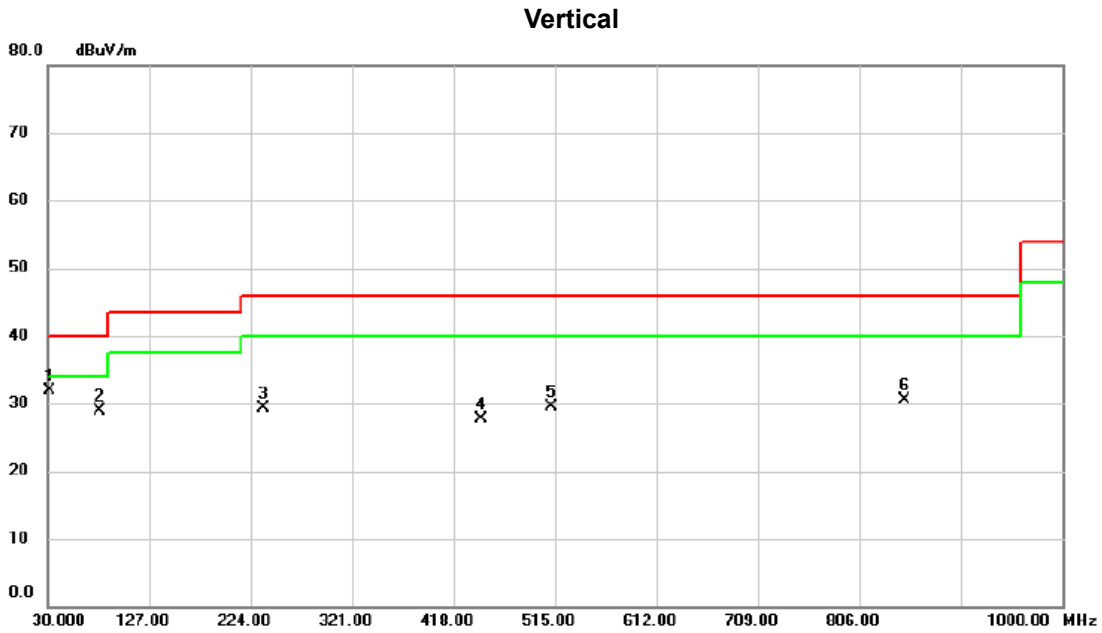
**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

## **APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ**



Test Mode: TX B Mode Channel 06



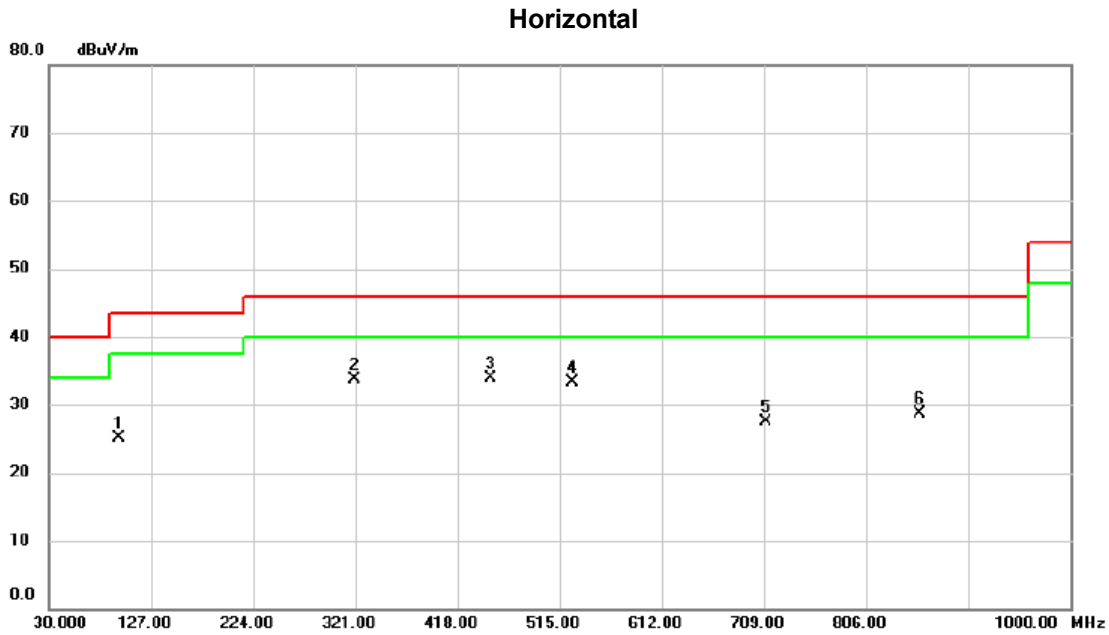
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	31.940	46.28	-14.44	31.84	40.00	-8.16	peak	
2		79.470	46.49	-17.60	28.89	40.00	-11.11	peak	
3		235.640	42.94	-13.71	29.23	46.00	-16.77	peak	
4		444.190	35.40	-7.79	27.61	46.00	-18.39	peak	
5		512.090	36.58	-7.16	29.42	46.00	-16.58	peak	
6		849.650	32.34	-1.75	30.59	46.00	-15.41	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode Channel 06



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		95.960	40.26	-15.20	25.06	43.50	-18.44	peak	
2		320.030	44.31	-10.68	33.63	46.00	-12.37	peak	
3	*	450.010	41.48	-7.64	33.84	46.00	-12.16	peak	
4		526.640	40.29	-7.01	33.28	46.00	-12.72	peak	
5		710.940	30.99	-3.50	27.49	46.00	-18.51	peak	
6		857.410	30.33	-1.66	28.67	46.00	-17.33	peak	

REMARKS:

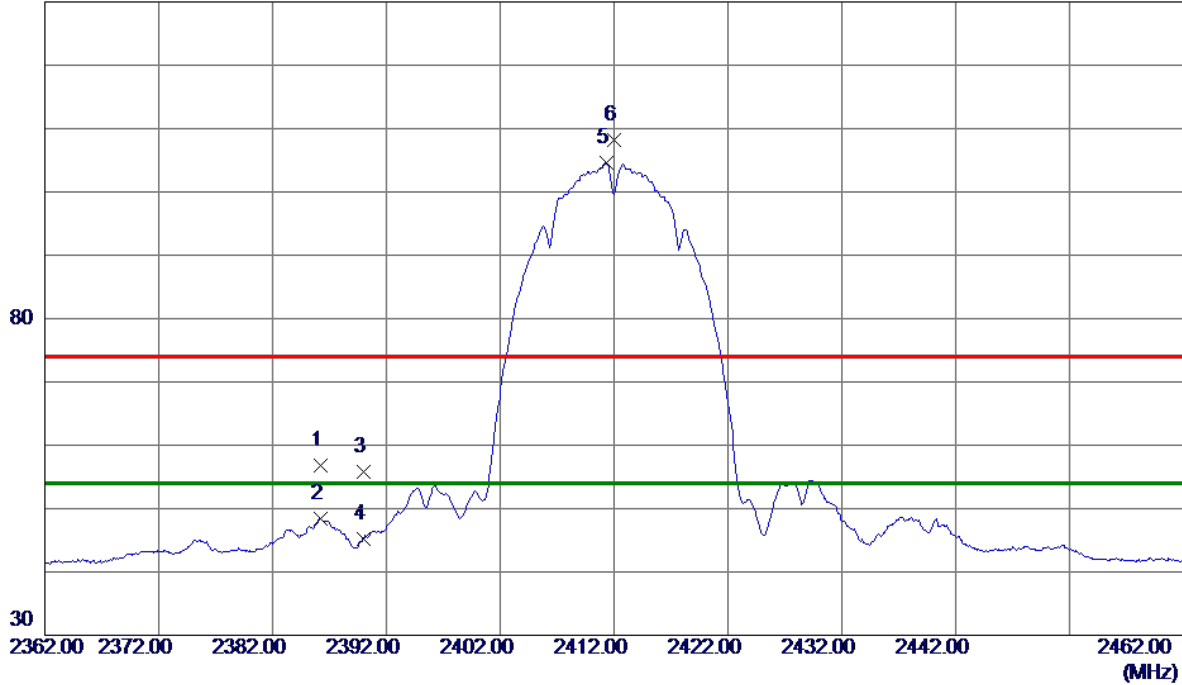
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

## **APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ**

Test Mode: TX B Mode 2412 MHz

### Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2386.2000	46.12	10.61	56.73	74.00	-17.27	Peak	
2	2386.2000	37.79	10.61	48.40	54.00	-5.60	AVG	
3	2390.0000	45.13	10.62	55.75	74.00	-18.25	Peak	
4	2390.0000	34.64	10.62	45.26	54.00	-8.74	AVG	
5 *	2411.3000	93.84	10.69	104.53	54.00	50.53	AVG	No Limit
6	2412.0000	97.43	10.69	108.12	74.00	34.12	Peak	No Limit

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2412 MHz

### Vertical



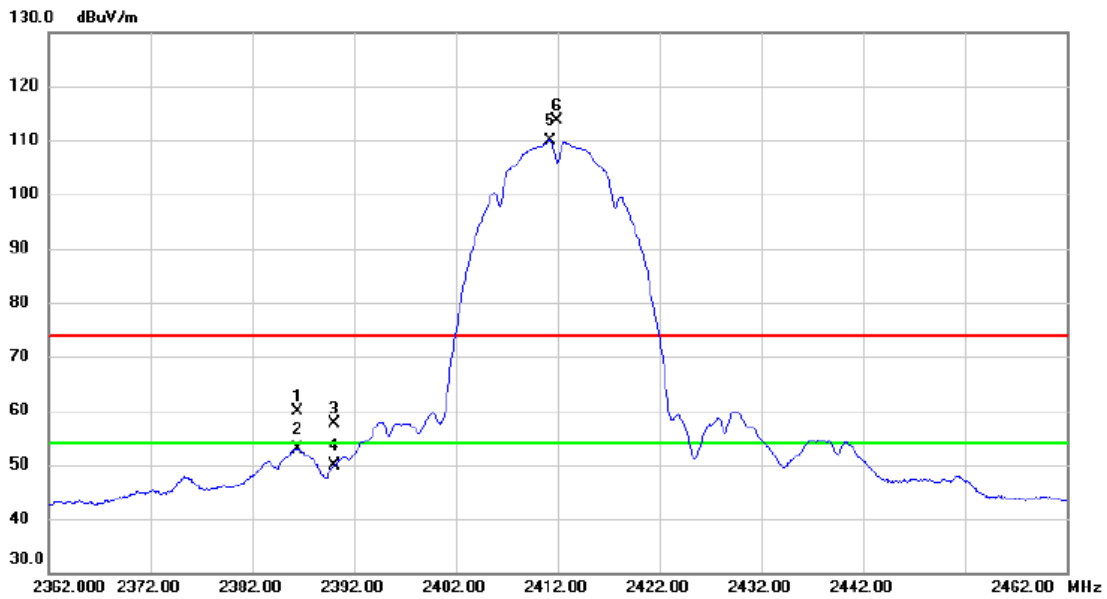
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.9480	47.51	7.86	55.37	74.00	-18.63	Peak	
2 *	4824.0000	45.43	7.86	53.29	54.00	-0.71	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2412 MHz

### Horizontal



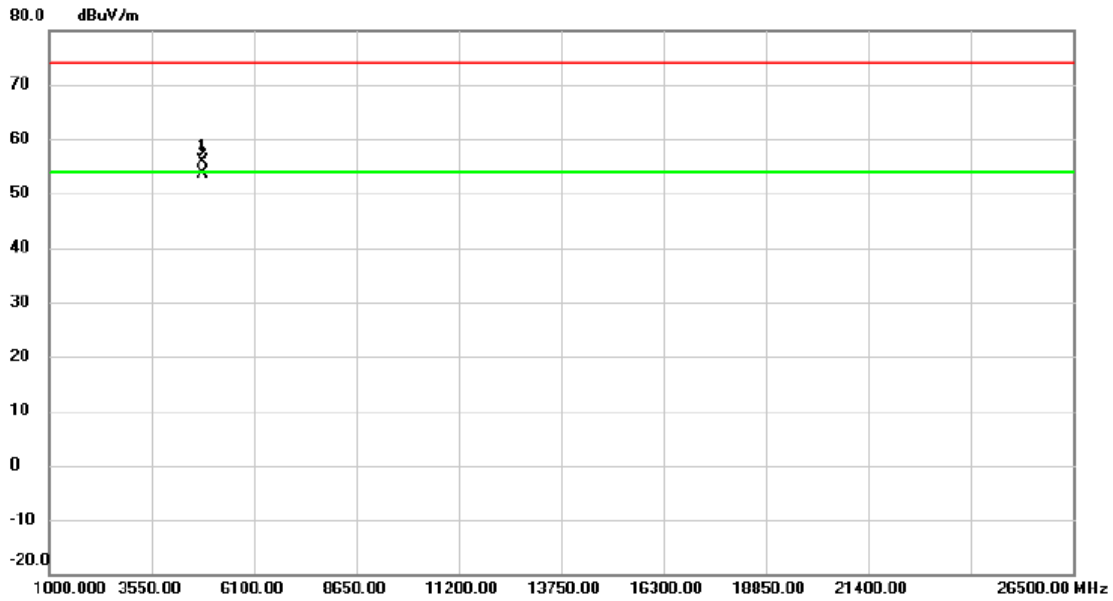
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2386.400	49.39	10.61	60.00	74.00	-14.00	peak	
2		2386.400	42.39	10.61	53.00	54.00	-1.00	AVG	
3		2390.000	47.03	10.63	57.66	74.00	-16.34	peak	
4		2390.000	39.23	10.63	49.86	54.00	-4.14	AVG	
5	*	2411.300	99.32	10.68	110.00	54.00	56.00	AVG	No Limit
6	X	2411.950	102.88	10.69	113.57	74.00	39.57	peak	No Limit

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2412 MHz

### Horizontal



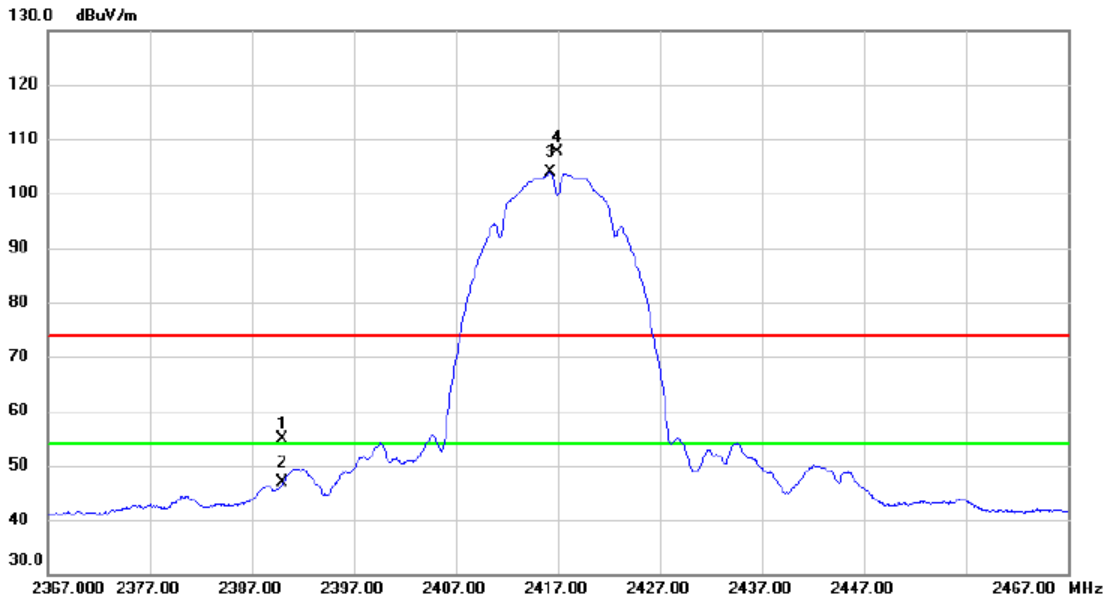
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4823.938	47.96	7.86	55.82	74.00	-18.18	peak	
2	*	4824.020	45.66	7.86	53.52	54.00	-0.48	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2417 MHz

### 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	44.25	10.63	54.88	74.00	-19.12	peak	
2		2390.000	36.18	10.63	46.81	54.00	-7.19	AVG	
3	*	2416.250	93.24	10.70	103.94	54.00	49.94	AVG	No Limit
4	X	2416.950	97.02	10.70	107.72	74.00	33.72	peak	No Limit

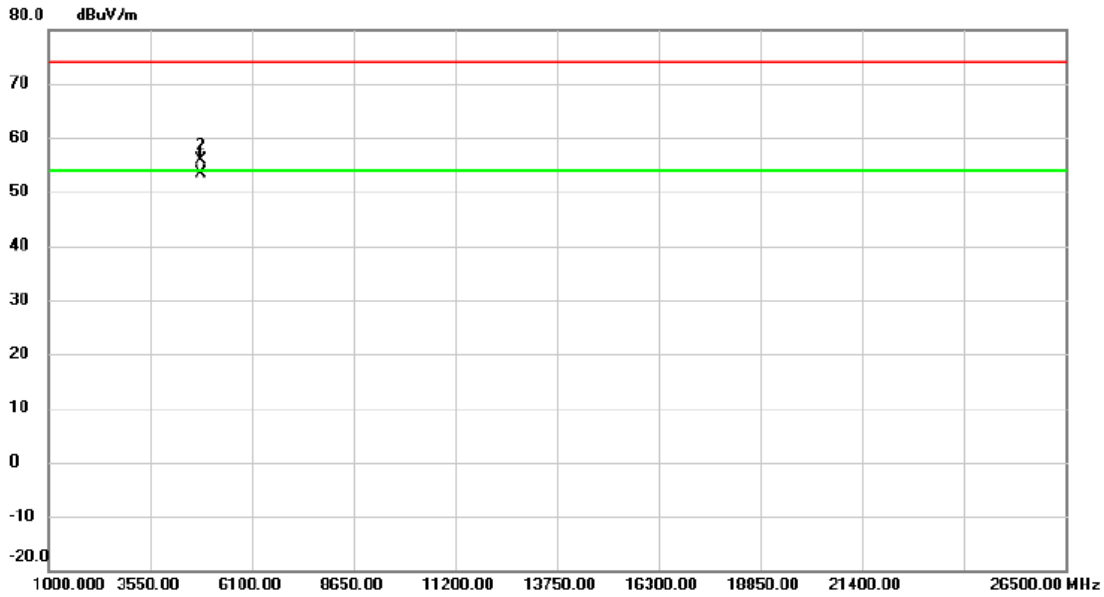
**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.



Test Mode: TX B Mode 2417 MHz

### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4833.995	45.57	7.89	53.46	54.00	-0.54	AVG	
2		4834.000	47.92	7.89	55.81	74.00	-18.19	peak	

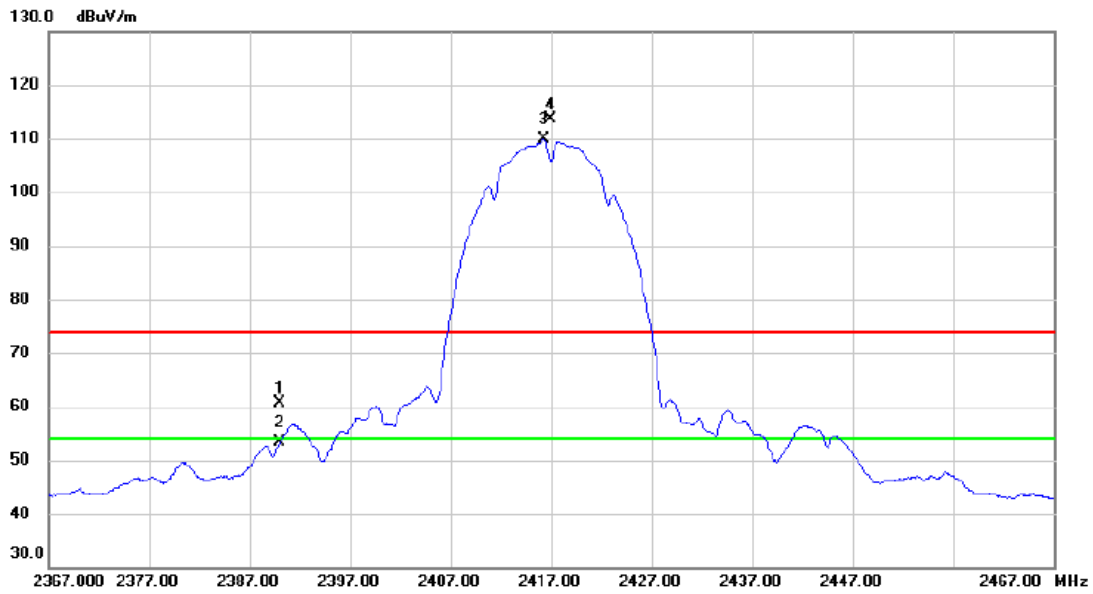
**REMARKS:**

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2417 MHz

### Horizontal



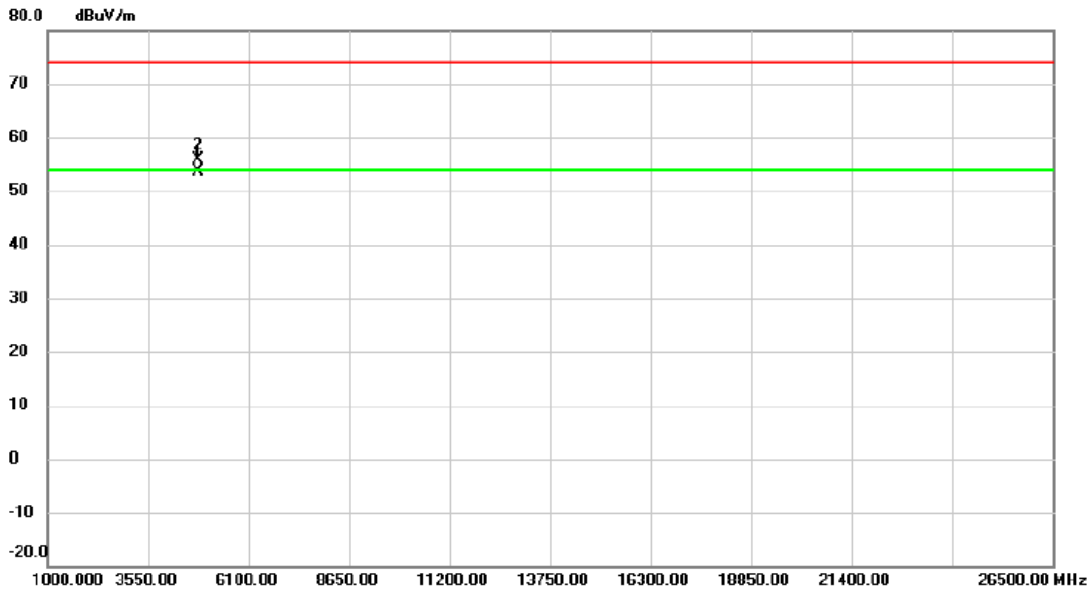
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	50.03	10.63	60.66	74.00	-13.34	peak	
2		2390.000	42.78	10.63	53.41	54.00	-0.59	AVG	
3	*	2416.250	99.13	10.70	109.83	54.00	55.83	AVG	No Limit
4	X	2416.900	102.95	10.70	113.65	74.00	39.65	peak	No Limit

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2417 MHz

### Horizontal



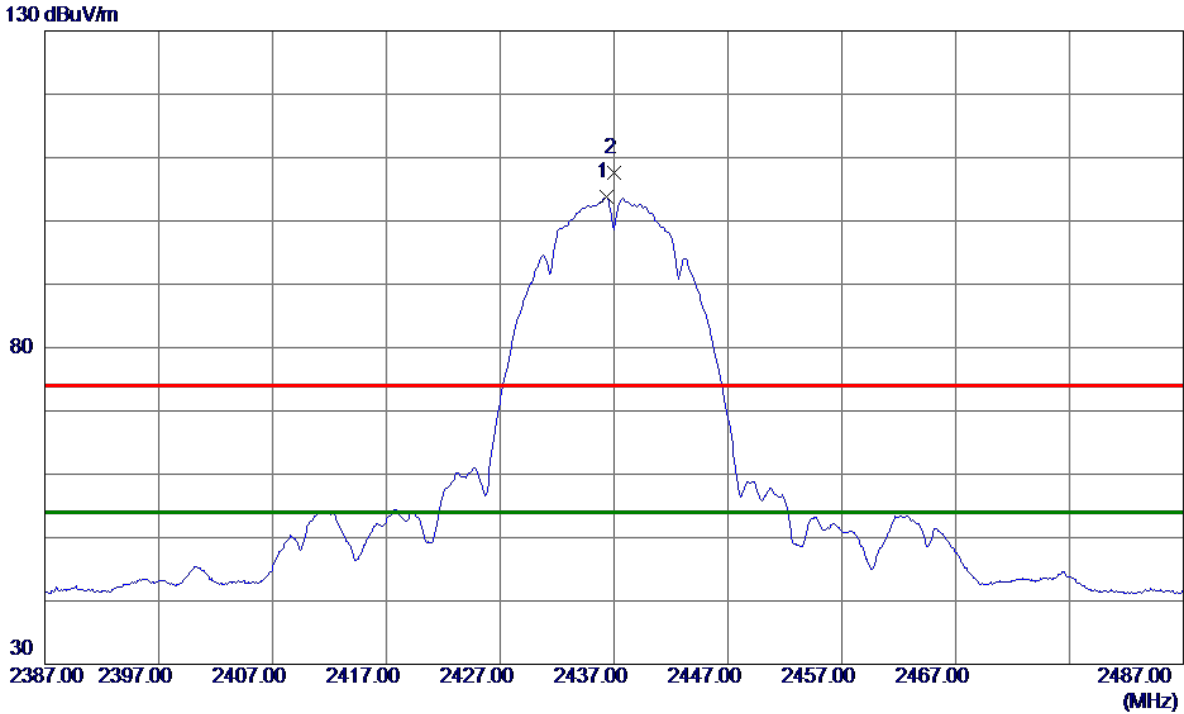
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4833.938	45.71	7.89	53.60	54.00	-0.40	AVG	
2		4834.070	47.98	7.89	55.87	74.00	-18.13	peak	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2437 MHz

**Vertical**



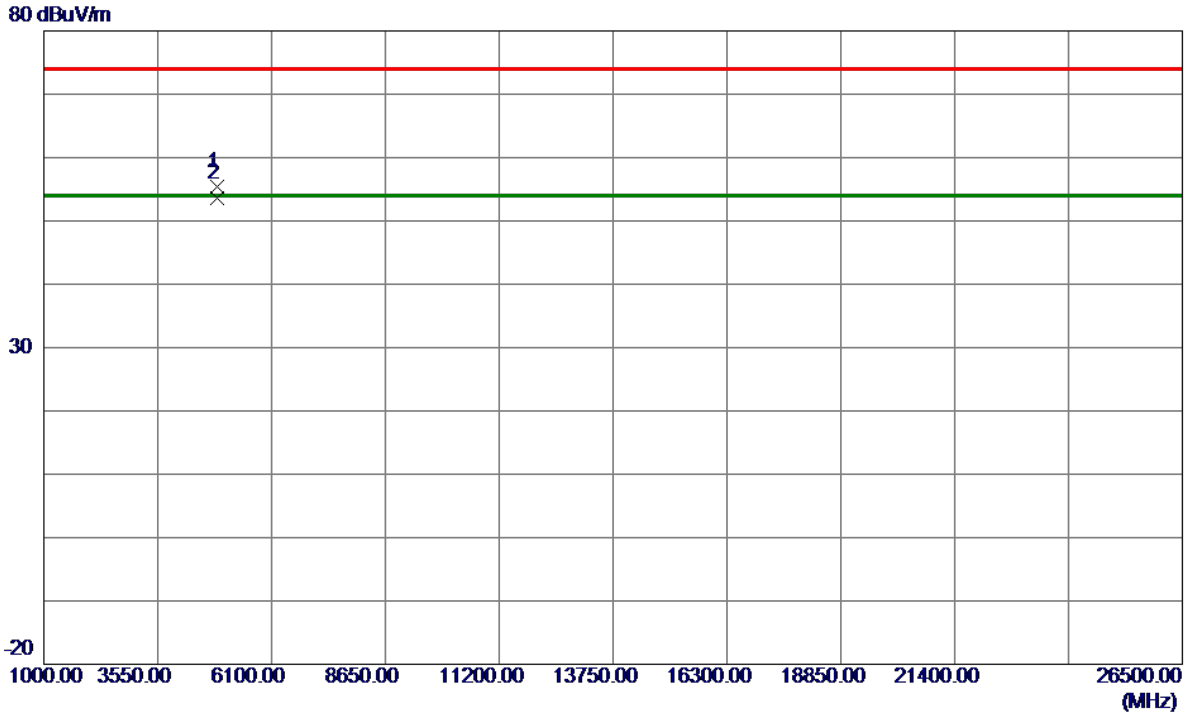
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2436.3500	92.97	10.76	103.73	54.00	49.73	AVG	No Limit
2	2437.0500	96.75	10.76	107.51	74.00	33.51	Peak	No Limit

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2437 MHz

### Vertical



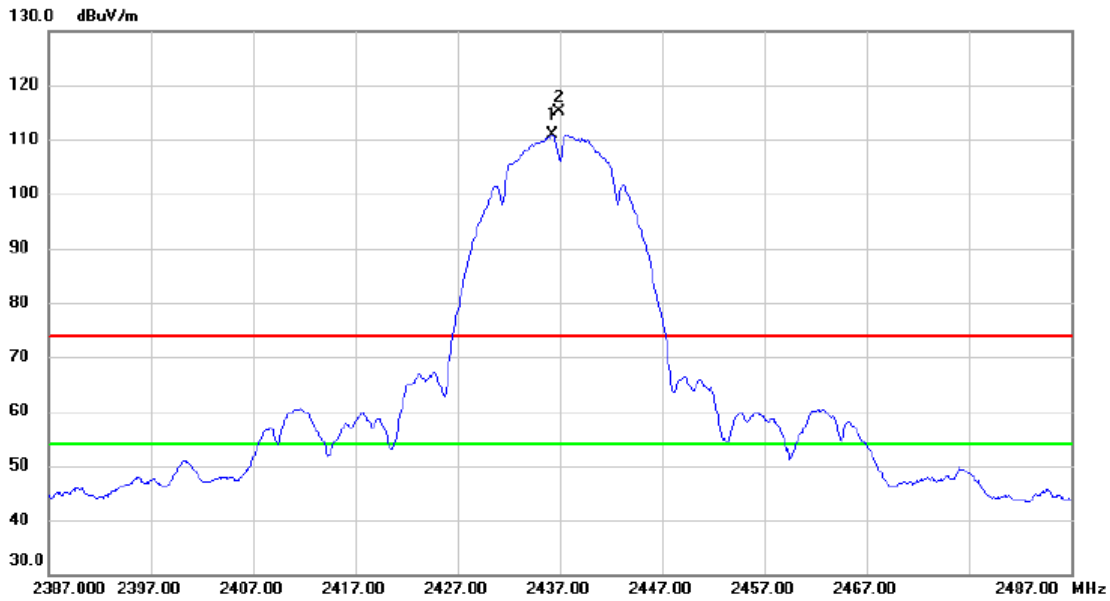
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.8750	47.42	8.06	55.48	74.00	-18.52	Peak	
2 *	4874.0350	45.50	8.06	53.56	54.00	-0.44	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2437 MHz

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2436.300	100.19	10.76	110.95	54.00	56.95	AVG	No Limit
2	X	2436.950	104.27	10.76	115.03	74.00	41.03	peak	No Limit

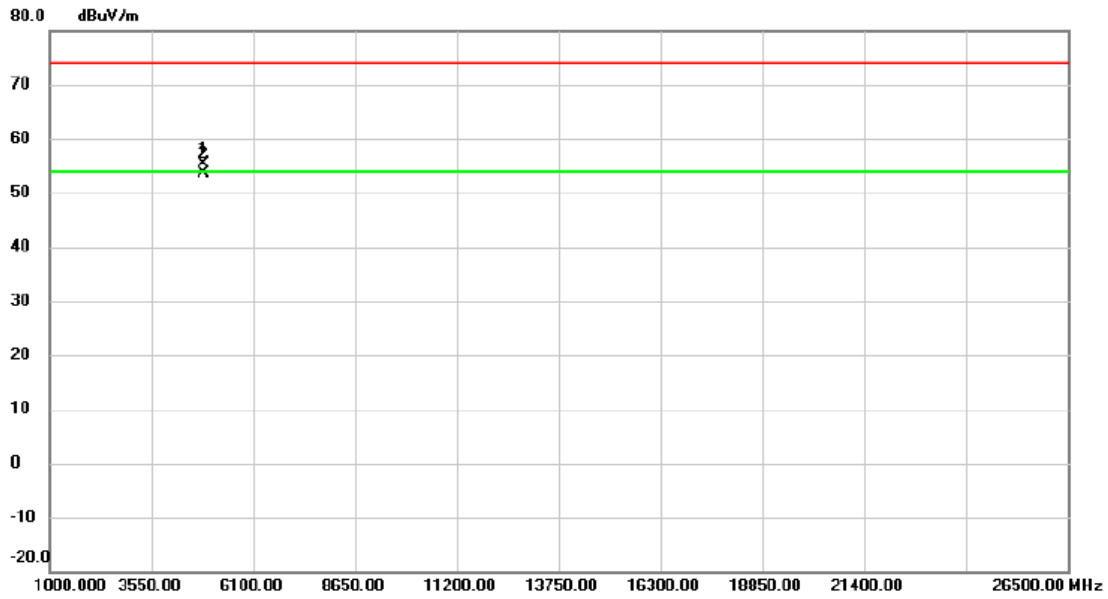
**REMARKS:**

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2437 MHz

### Horizontal



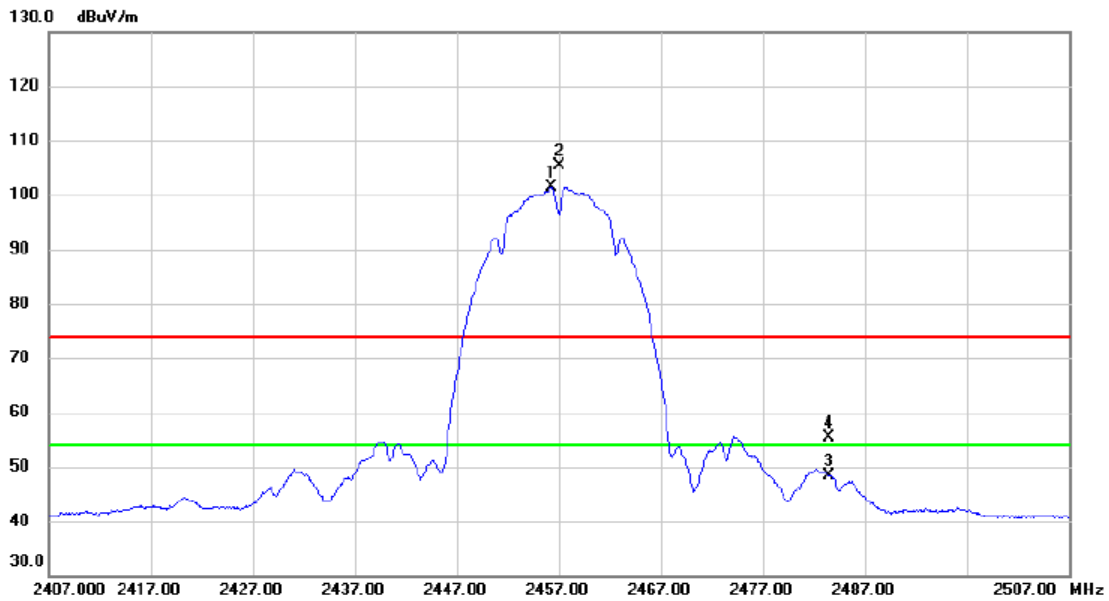
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.017	47.41	8.06	55.47	74.00	-18.53	peak	
2 *	4874.023	45.54	8.06	53.60	54.00	-0.40	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Value + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2457 MHz

### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2456.250	90.62	10.81	101.43	74.00	27.43	peak	No Limit
2	*	2457.050	94.56	10.83	105.39	74.00	31.39	peak	No Limit
3		2483.500	37.40	10.90	48.30	74.00	-25.70	peak	
4		2483.500	44.53	10.90	55.43	74.00	-18.57	peak	

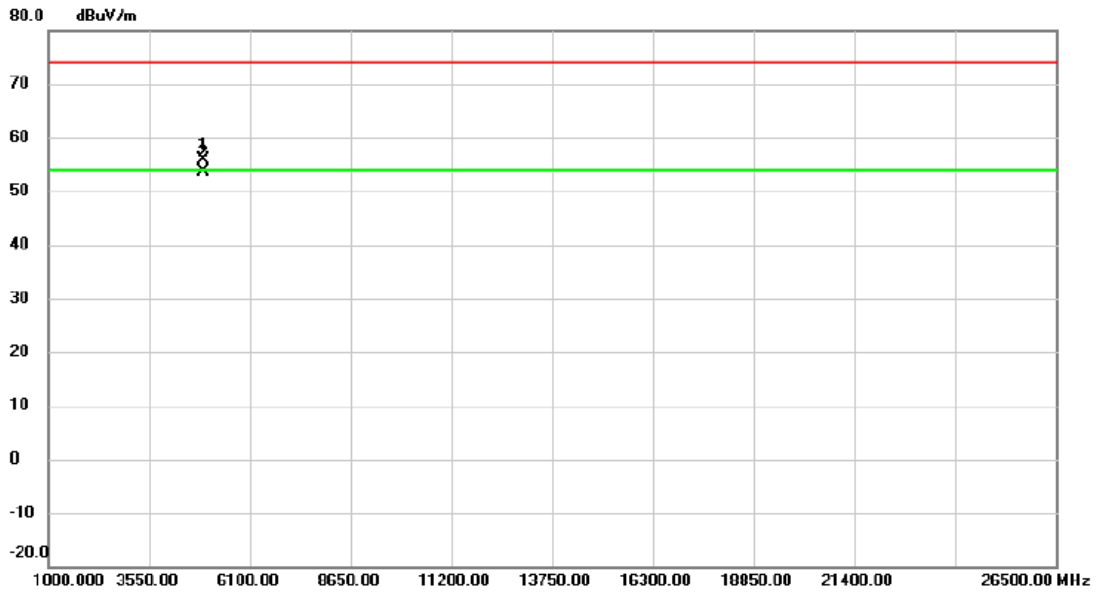
**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.



Test Mode: TX B Mode 2457 MHz

### Vertical



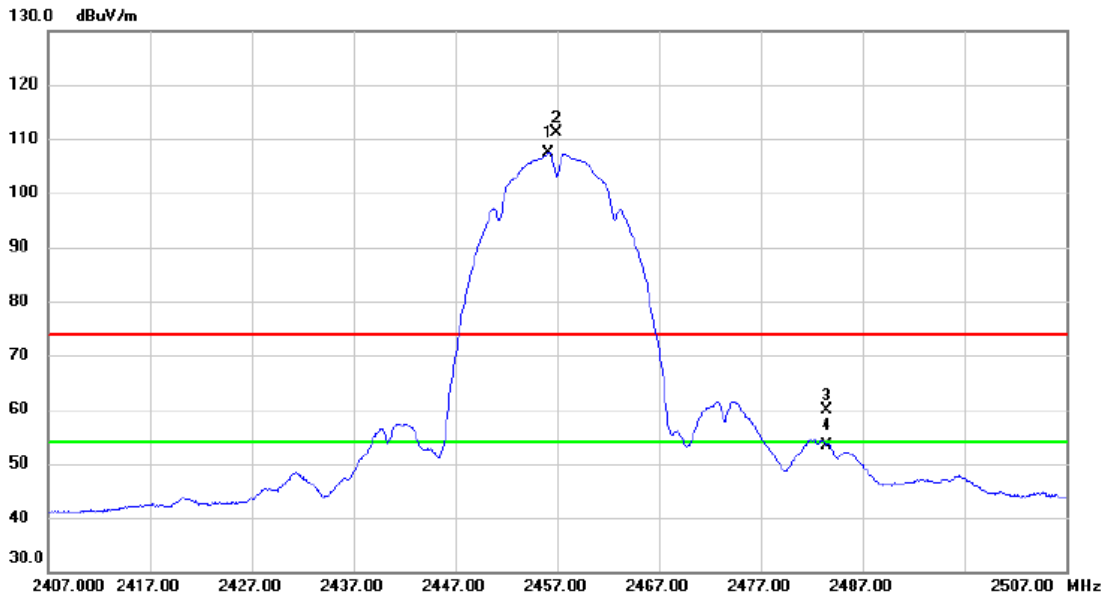
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4913.955	47.76	8.22	55.98	74.00	-18.02	peak	
2	*	4914.030	45.45	8.22	53.67	54.00	-0.33	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2457 MHz

### Horizontal



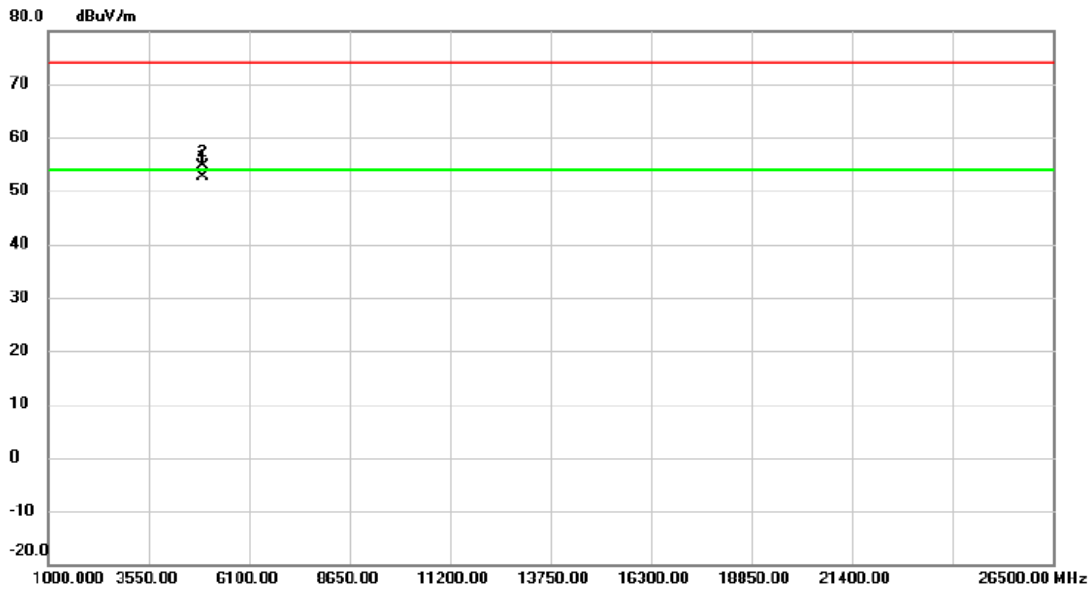
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2456.200	96.66	10.81	107.47	54.00	53.47	AVG	No Limit
2	X	2456.950	100.30	10.82	111.12	74.00	37.12	peak	No Limit
3		2483.500	48.91	10.90	59.81	74.00	-14.19	peak	
4		2483.500	42.54	10.90	53.44	54.00	-0.56	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2457 MHz

### Horizontal



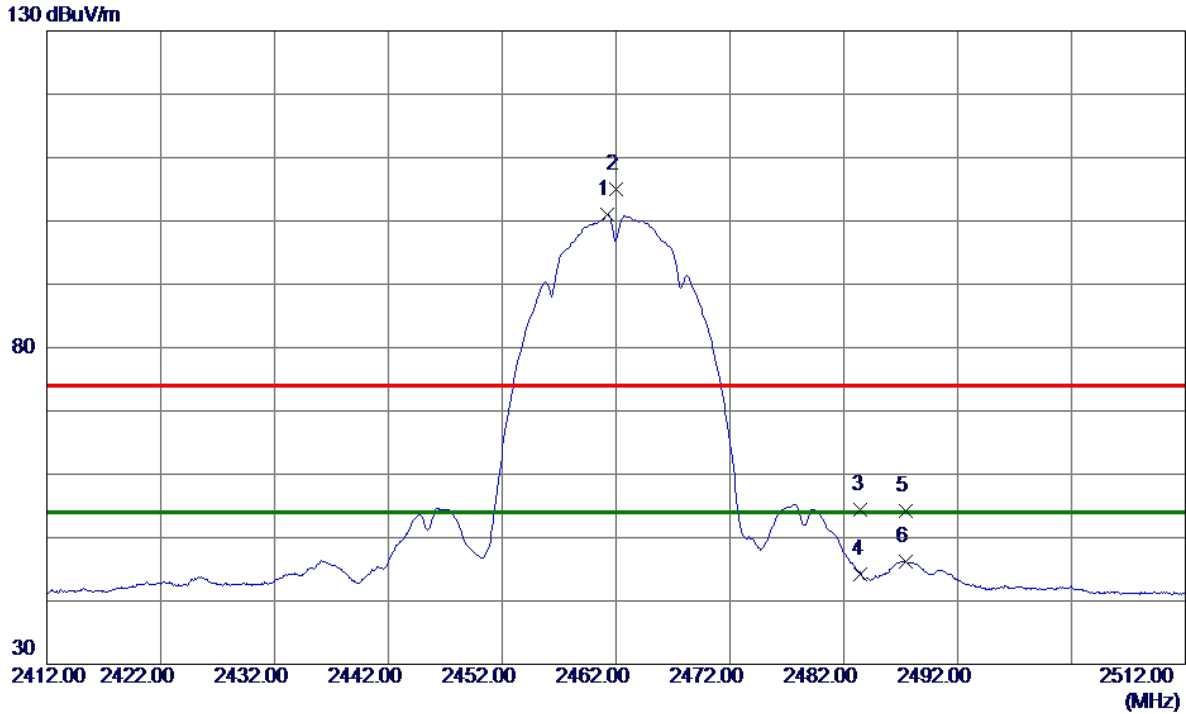
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4914.007	44.33	8.22	52.55	54.00	-1.45	AVG	
2		4914.065	46.52	8.22	54.74	74.00	-19.26	peak	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2462 MHz

**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2461.2500	90.12	10.83	100.95	54.00	46.95	AVG	No Limit
2	2461.9500	94.06	10.84	104.90	74.00	30.90	Peak	No Limit
3	2483.5000	43.51	10.90	54.41	74.00	-19.59	Peak	
4	2483.5000	33.37	10.90	44.27	54.00	-9.73	AVG	
5	2487.4000	43.30	10.91	54.21	74.00	-19.79	Peak	
6	2487.4000	35.38	10.91	46.29	54.00	-7.71	AVG	

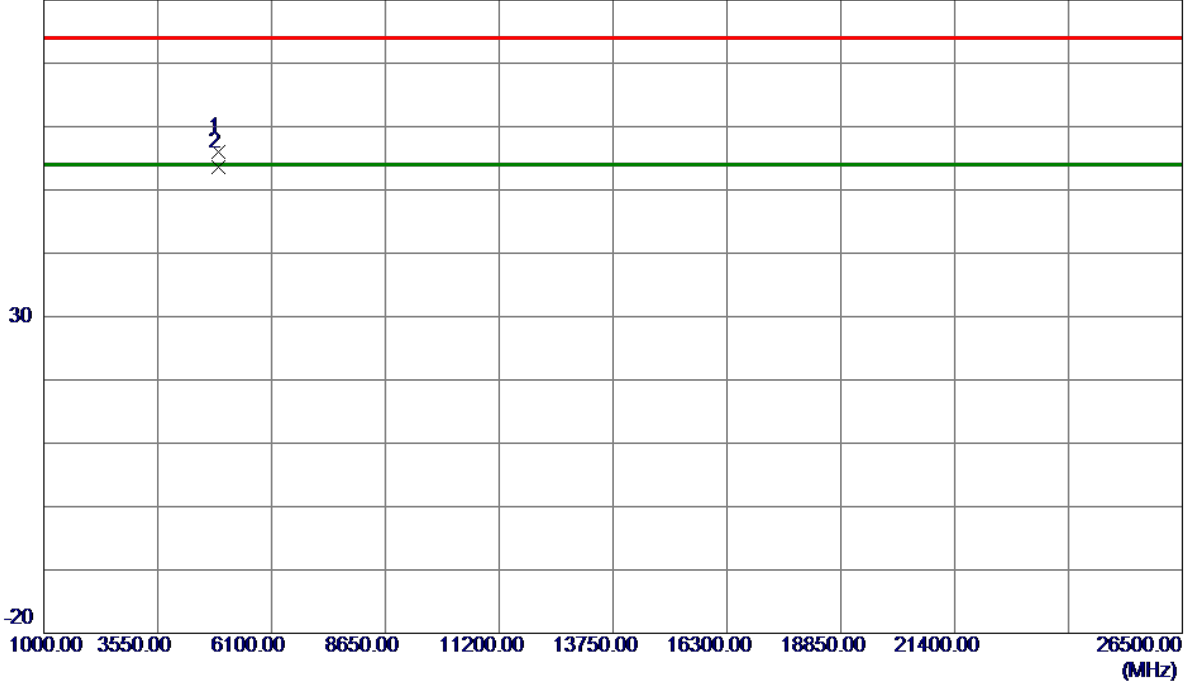
**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2462 MHz

### Vertical

80 dBuV/m



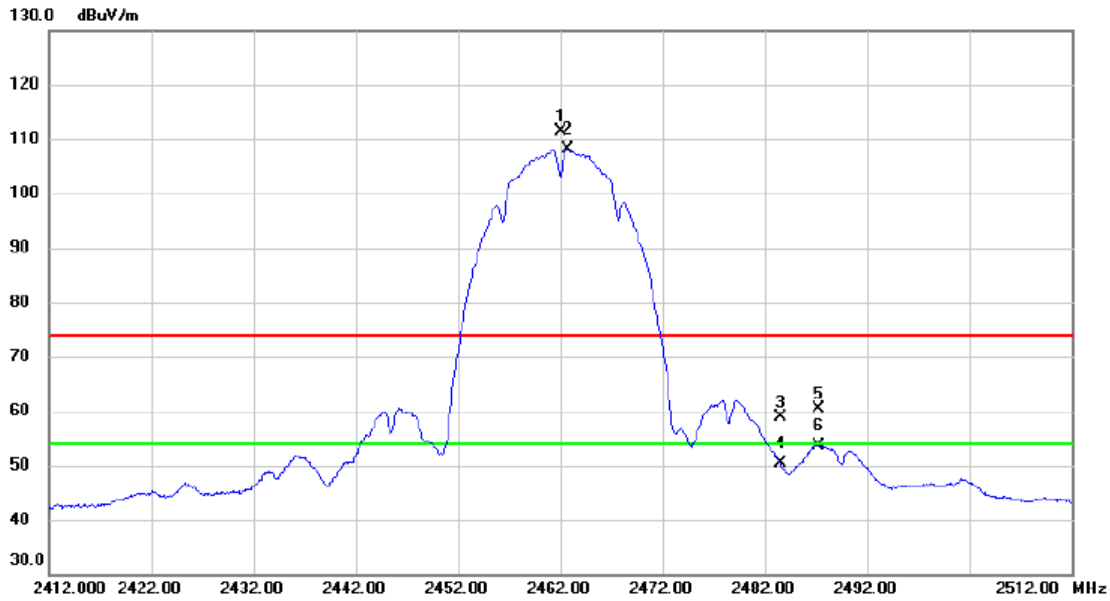
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.9030	47.73	8.26	55.99	74.00	-18.01	Peak	
2 *	4923.9650	45.31	8.26	53.57	54.00	-0.43	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2462 MHz

### Horizontal



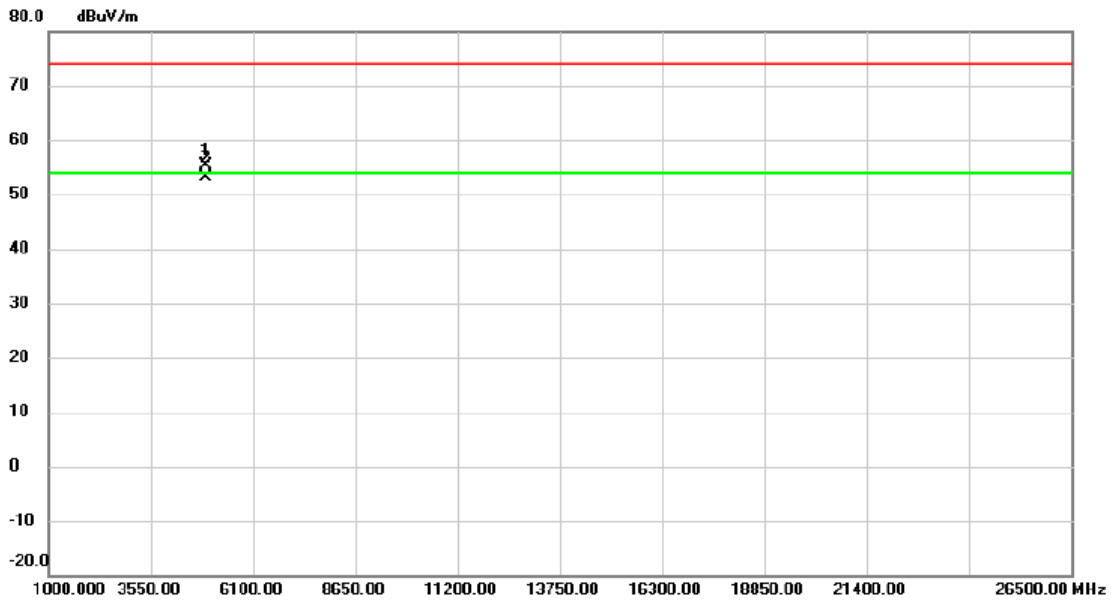
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2462.000	100.48	10.84	111.32	74.00	37.32	peak	No Limit
2	*	2462.700	97.37	10.84	108.21	54.00	54.21	AVG	No Limit
3		2483.500	47.86	10.90	58.76	74.00	-15.24	peak	
4		2483.500	39.56	10.90	50.46	54.00	-3.54	AVG	
5		2487.250	49.41	10.91	60.32	74.00	-13.68	peak	
6		2487.250	42.81	10.91	53.72	54.00	-0.28	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX B Mode 2462 MHz

### Horizontal



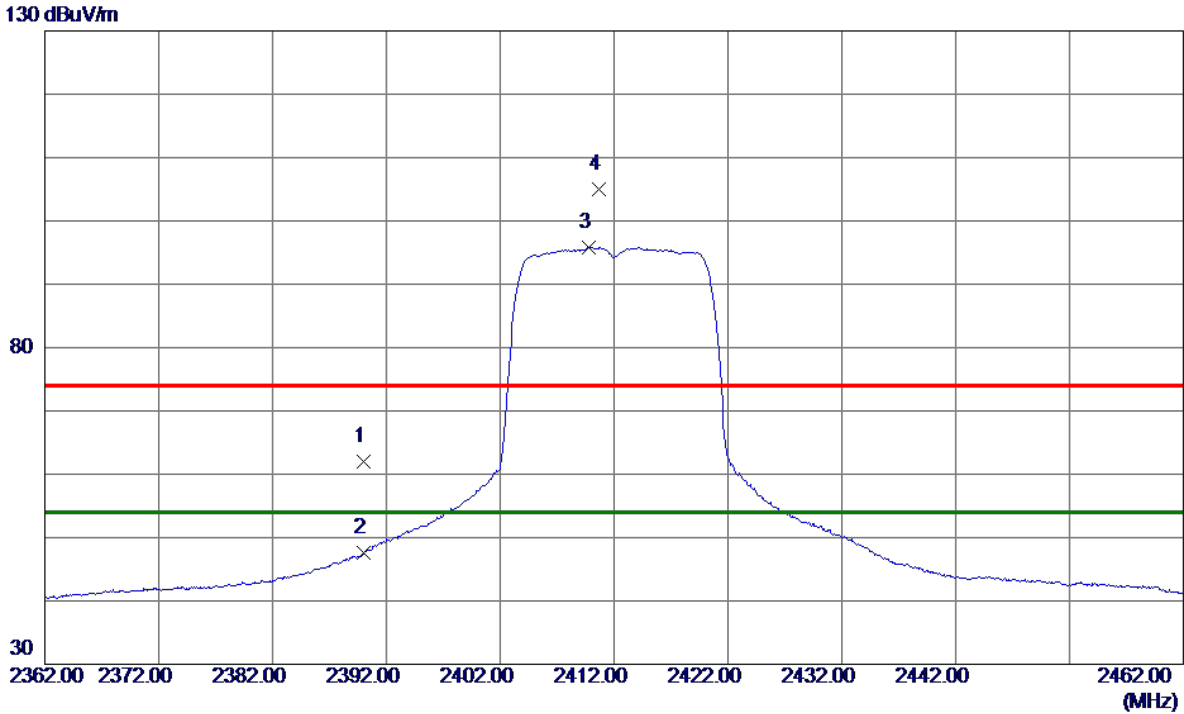
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4923.935	47.17	8.26	55.43	74.00	-18.57	peak	
2	*	4924.002	44.84	8.26	53.10	54.00	-0.90	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2412 MHz

### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	51.33	10.62	61.95	74.00	-12.05	Peak	
2	2390.0000	37.01	10.62	47.63	54.00	-6.37	AVG	
3 *	2409.8000	85.17	10.68	95.85	54.00	41.85	AVG	No Limit
4	2410.6500	94.29	10.68	104.97	74.00	30.97	Peak	No Limit

**REMARKS:**

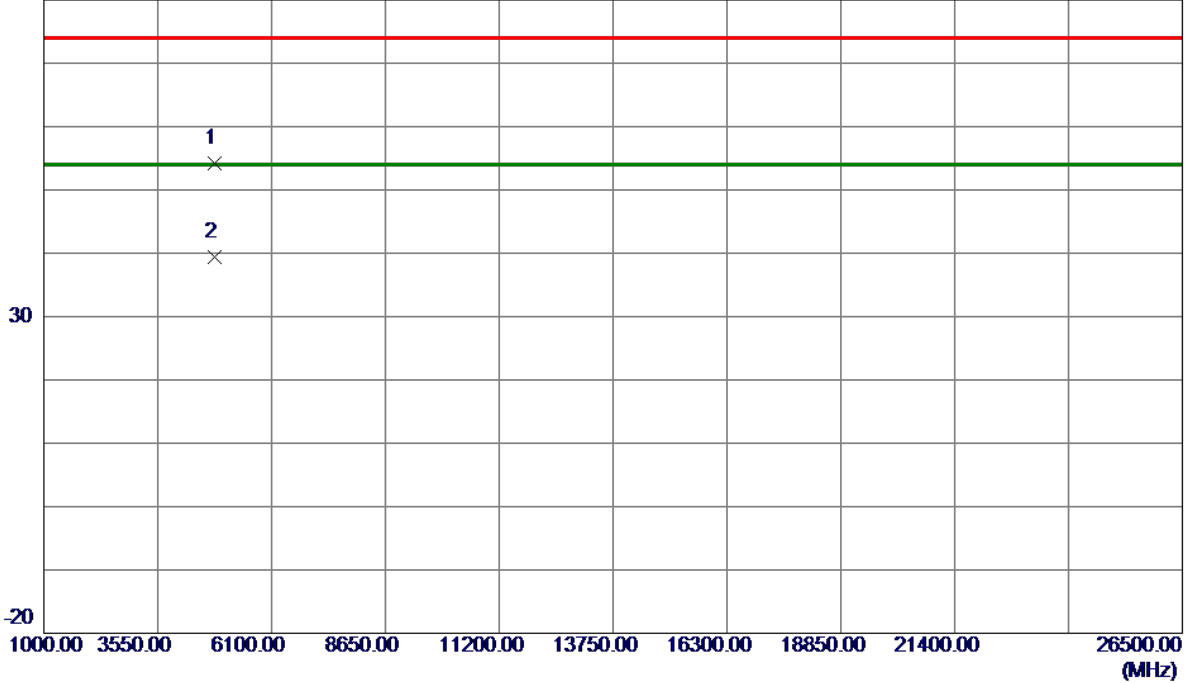
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.



Test Mode: TX G Mode 2412 MHz

### Vertical

80 dBuV/m



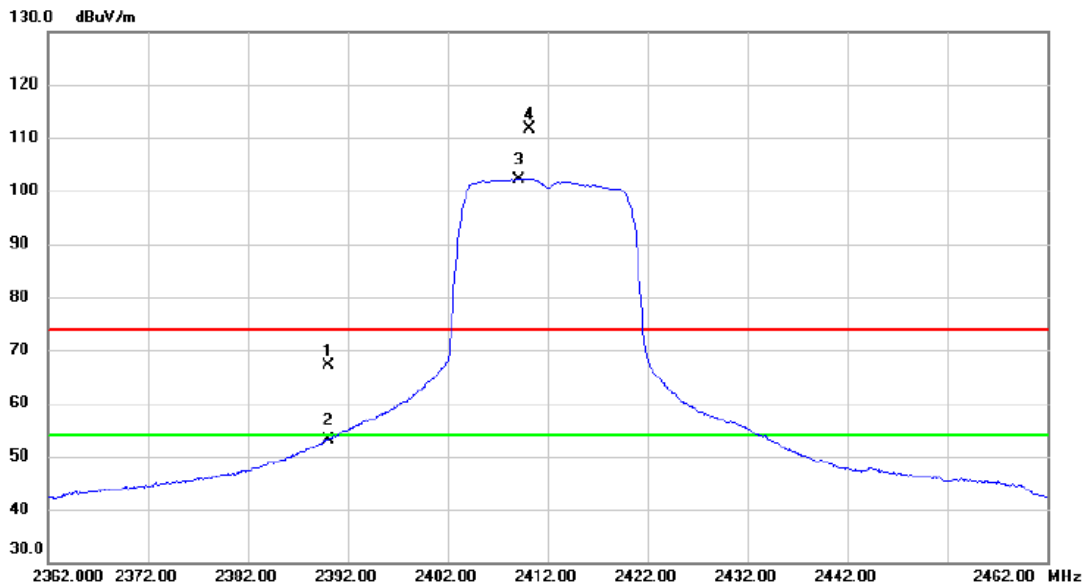
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4822.8330	46.39	7.85	54.24	74.00	-19.76	Peak	
2 *	4824.2000	31.63	7.86	39.49	54.00	-14.51	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2412 MHz

### Horizontal



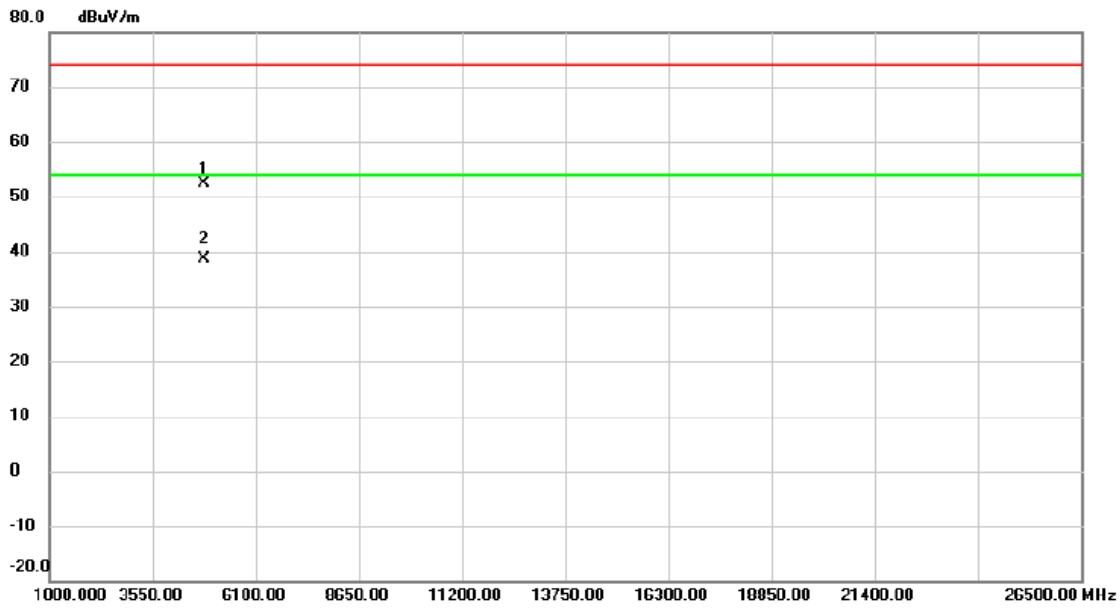
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	56.43	10.63	67.06	74.00	-6.94	peak	
2		2390.000	42.48	10.63	53.11	54.00	-0.89	AVG	
3	*	2409.150	91.45	10.68	102.13	54.00	48.13	AVG	No Limit
4	X	2410.200	100.94	10.68	111.62	74.00	37.62	peak	No Limit

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2412 MHz

### Horizontal



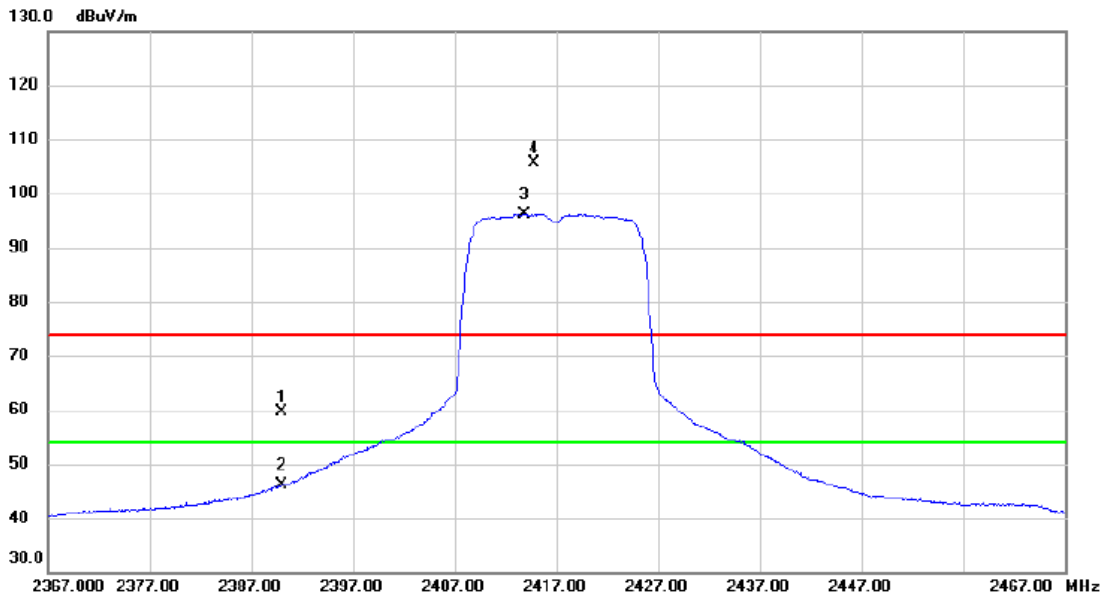
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.655	44.62	7.86	52.48	74.00	-21.52	peak	
2 *	4823.745	30.77	7.86	38.63	54.00	-15.37	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2417 MHz

### Vertical



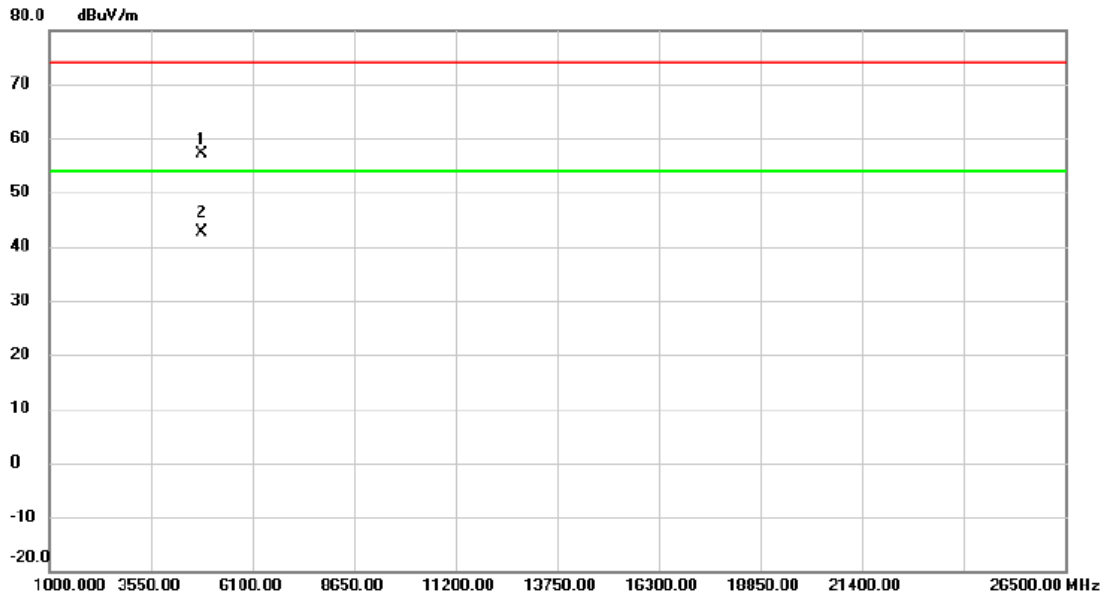
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	48.95	10.63	59.58	74.00	-14.42	peak	
2		2390.000	35.42	10.63	46.05	54.00	-7.95	AVG	
3	*	2413.850	85.47	10.69	96.16	54.00	42.16	AVG	No Limit
4	X	2414.850	95.04	10.69	105.73	74.00	31.73	peak	No Limit

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2417 MHz

### Vertical



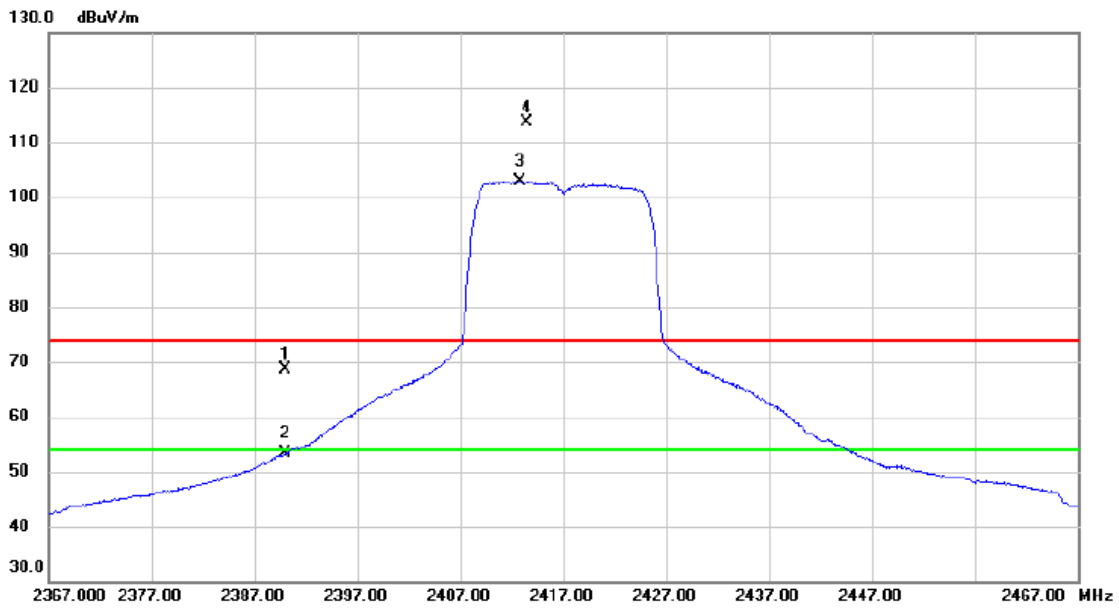
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4833.177	49.21	7.89	57.10	74.00	-16.90	peak	
2	*	4833.410	34.67	7.89	42.56	54.00	-11.44	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2417 MHz

### Horizontal



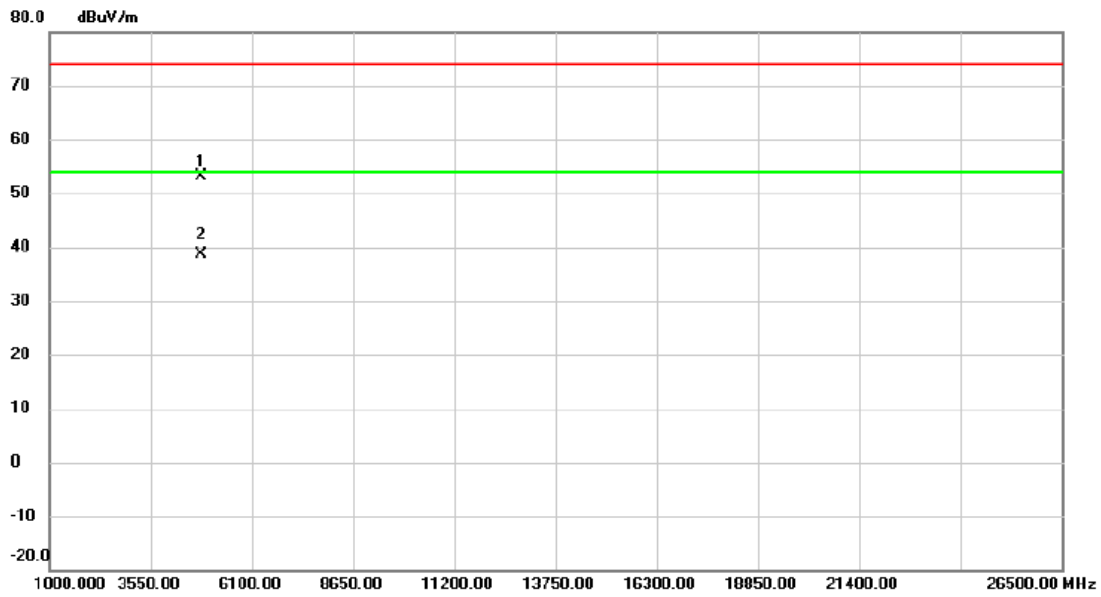
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	57.90	10.63	68.53	74.00	-5.47	peak	
2		2390.000	42.69	10.63	53.32	54.00	-0.68	AVG	
3	*	2412.800	92.28	10.69	102.97	54.00	48.97	AVG	No Limit
4	X	2413.450	102.88	10.69	113.57	74.00	39.57	peak	No Limit

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2417 MHz

### Horizontal



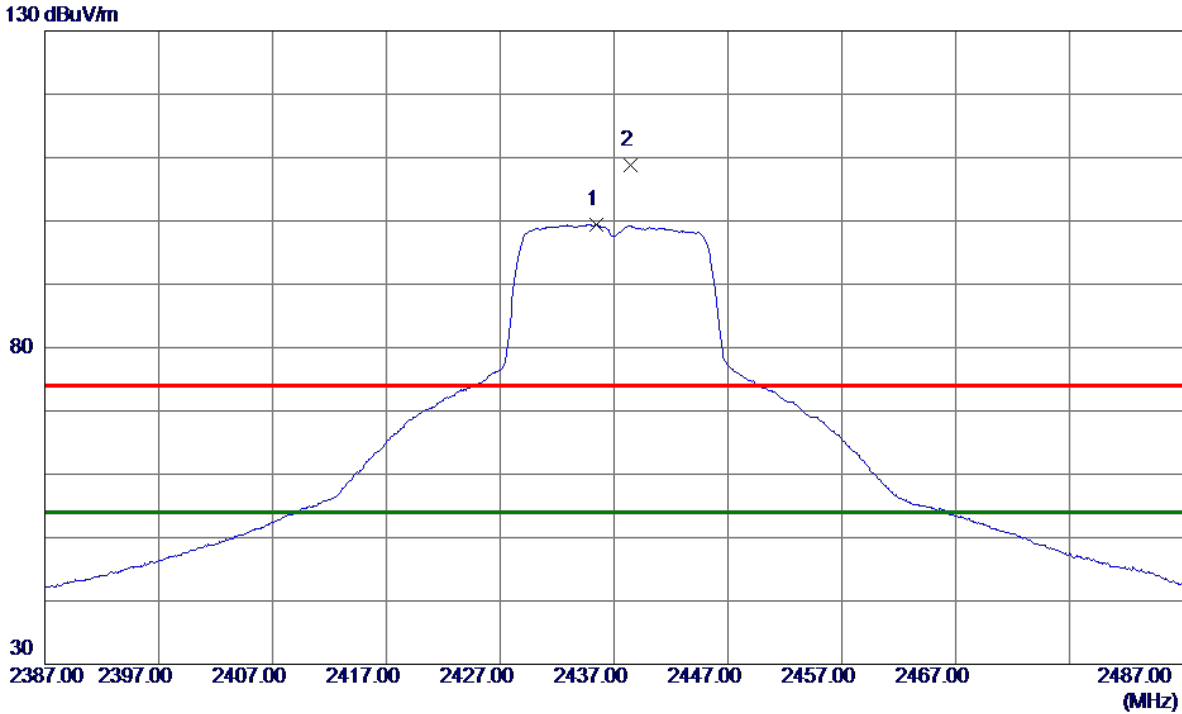
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4833.705	45.15	7.89	53.04	74.00	-20.96	peak	
2	*	4833.870	30.78	7.89	38.67	54.00	-15.33	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2437 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2435.4500	88.64	10.76	99.40	54.00	45.40	AVG	No Limit
2	2438.4500	98.09	10.77	108.86	74.00	34.86	Peak	No Limit

REMARKS:

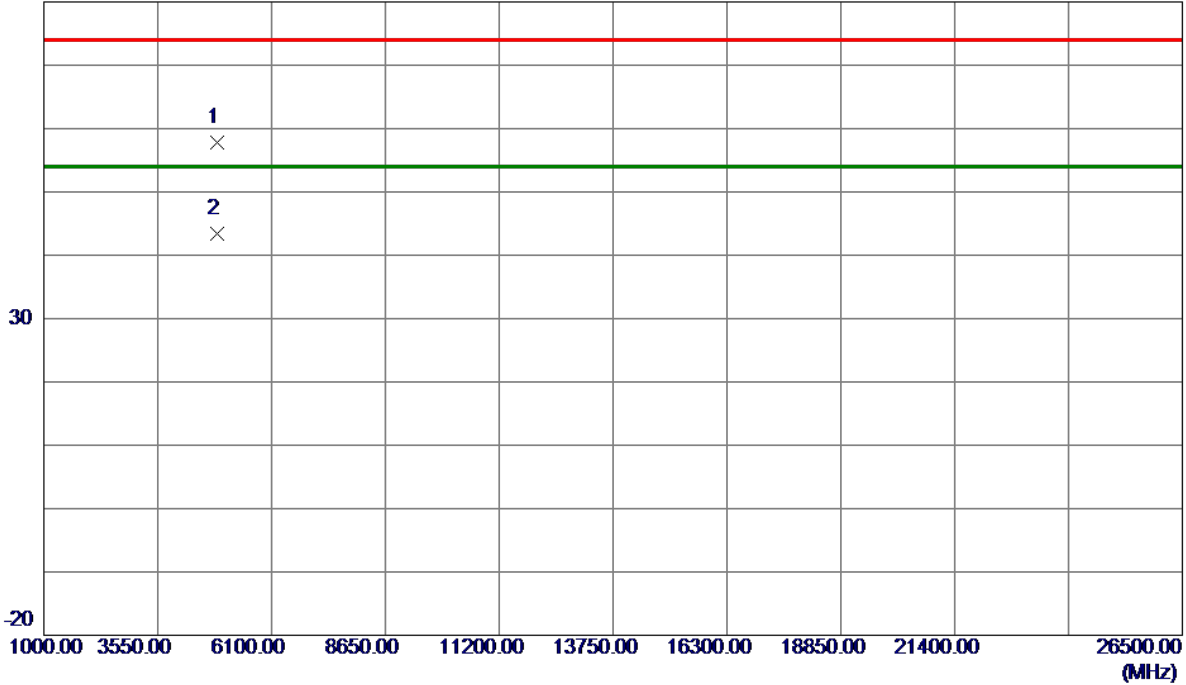
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.



Test Mode: TX G Mode 2437 MHz

### Vertical

80 dBuV/m



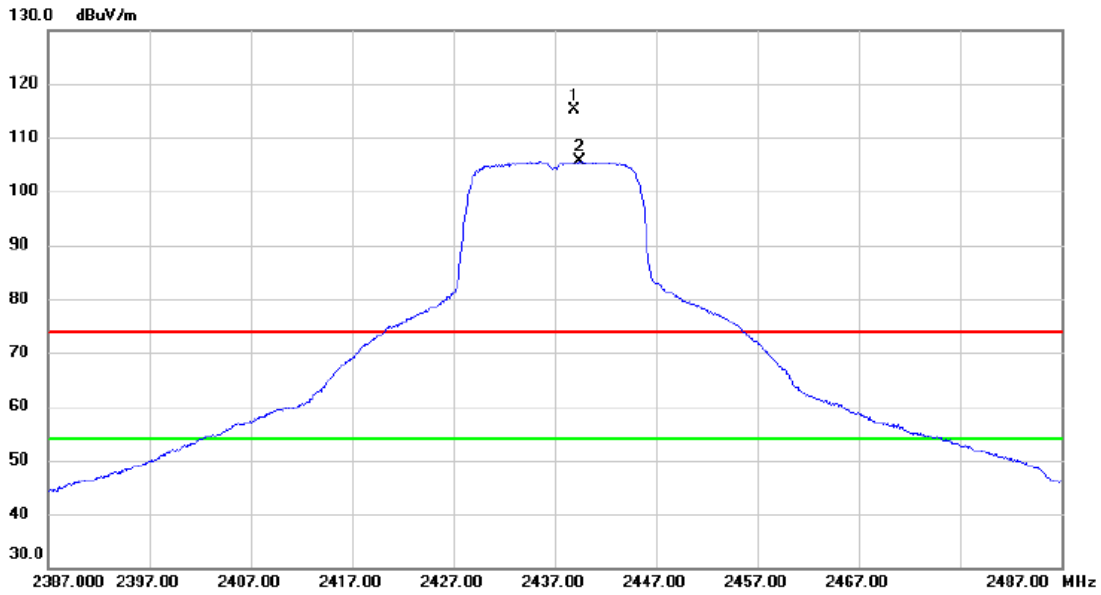
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.8420	49.74	8.06	57.80	74.00	-16.20	Peak	
2 *	4875.1300	35.37	8.06	43.43	54.00	-10.57	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2437 MHz

### Horizontal



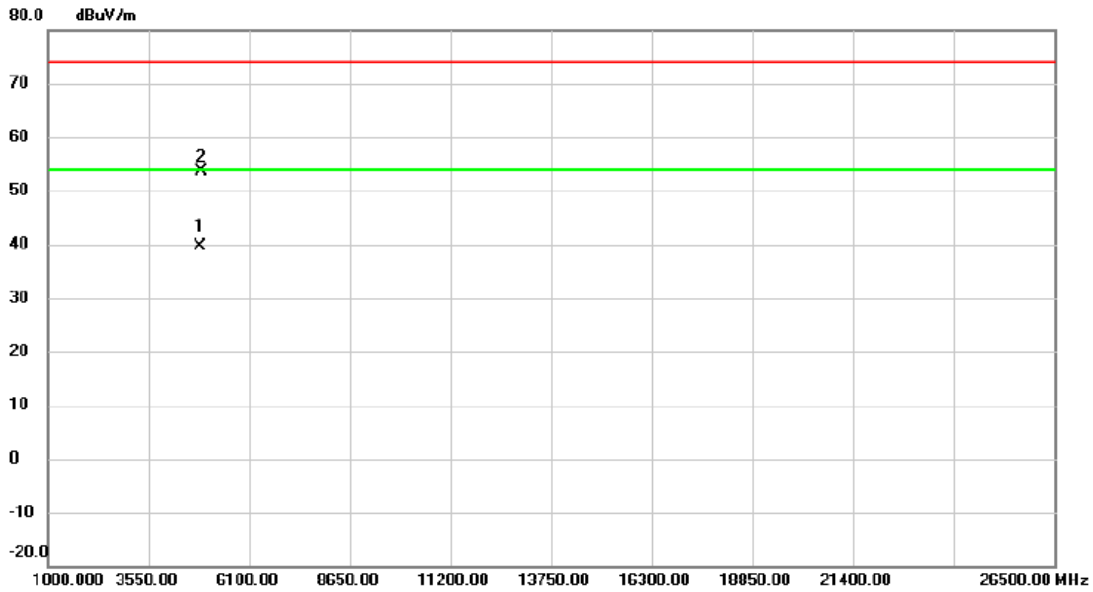
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2438.950	104.46	10.77	115.23	74.00	41.23	peak	No Limit
2	X	2439.450	94.81	10.77	105.58	74.00	31.58	peak	No Limit

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2437 MHz

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4874.323	31.55	8.06	39.61	54.00	-14.39	AVG	
2		4876.432	45.64	8.06	53.70	74.00	-20.30	peak	

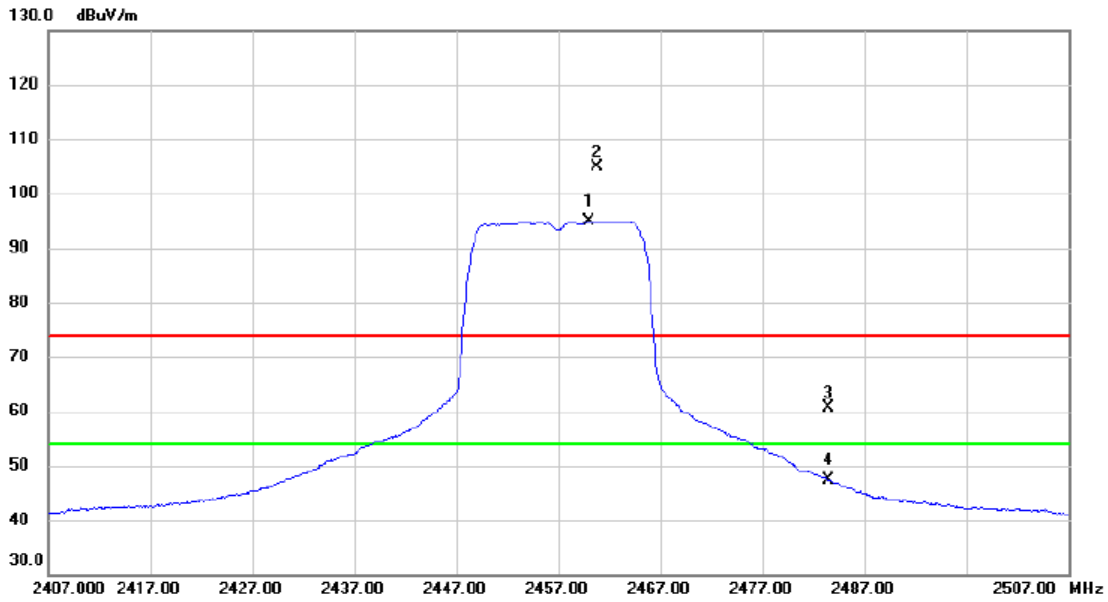
**REMARKS:**

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2457 MHz

### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2460.000	84.01	10.83	94.84	54.00	40.84	AVG	No Limit
2	X	2460.850	93.98	10.83	104.81	74.00	30.81	peak	No Limit
3		2483.500	49.63	10.90	60.53	74.00	-13.47	peak	
4		2483.500	36.40	10.90	47.30	54.00	-6.70	AVG	

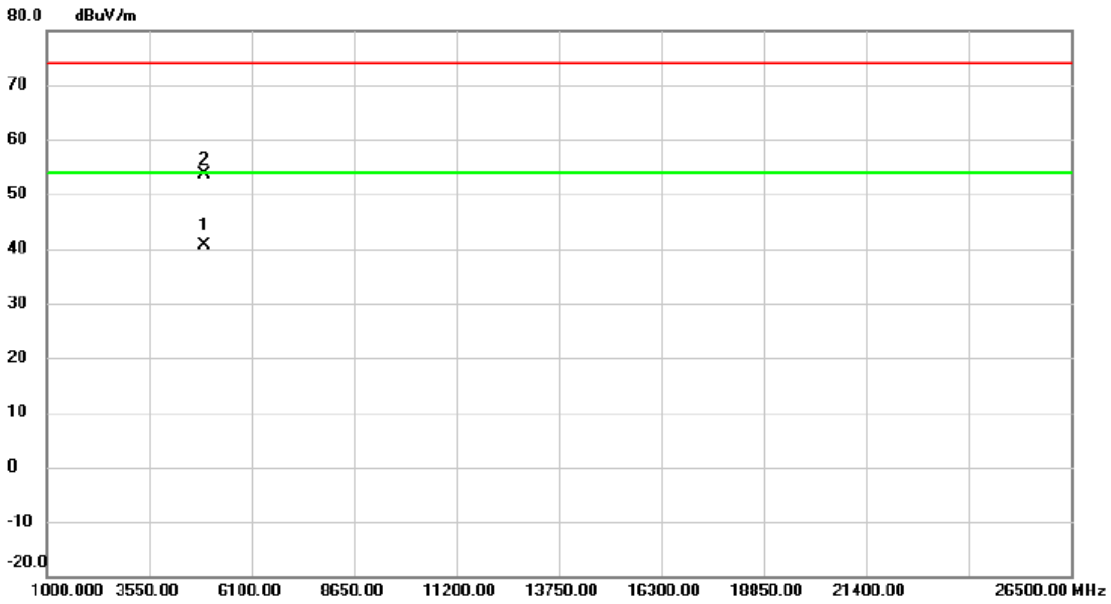
**REMARKS:**

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2457 MHz

### Vertical



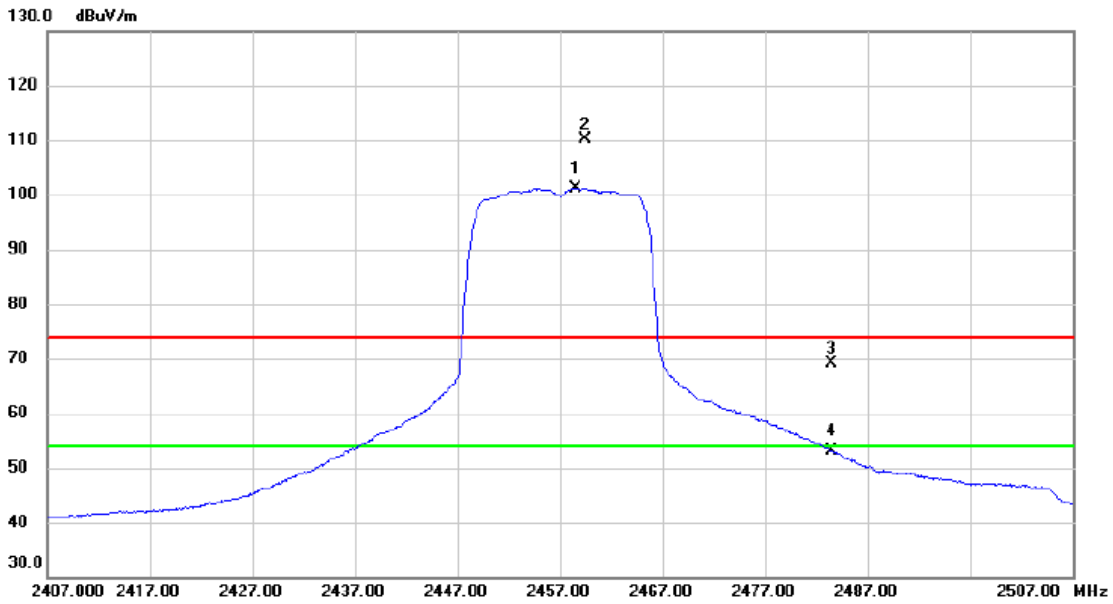
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4914.057	32.30	8.22	40.52	54.00	-13.48	AVG	
2		4915.845	45.48	8.23	53.71	74.00	-20.29	peak	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2457 MHz

### Horizontal



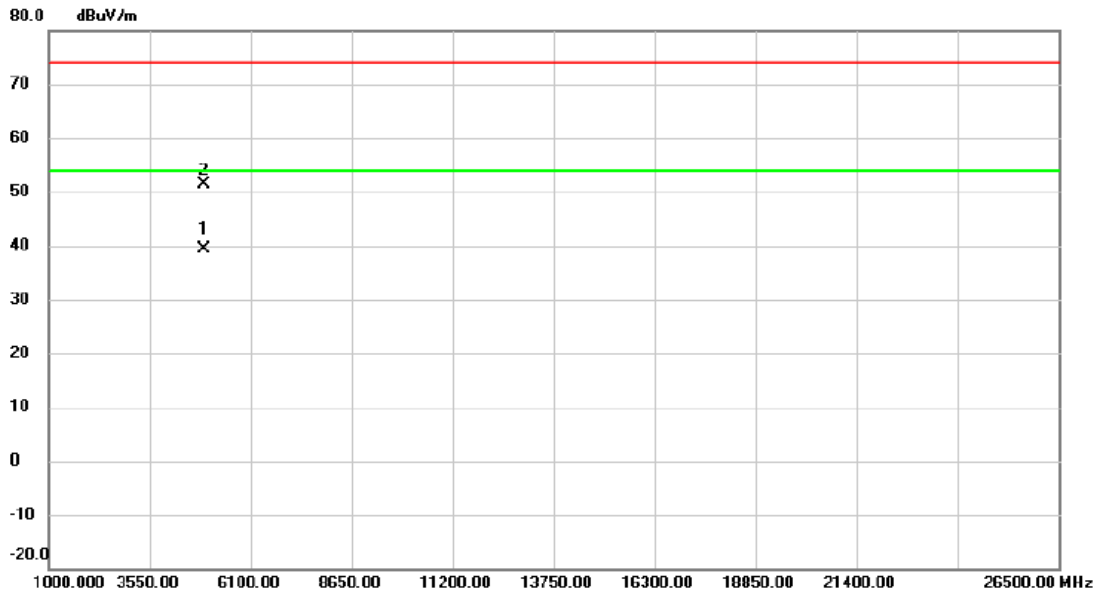
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2458.500	90.41	10.83	101.24	54.00	47.24	AVG	No Limit
2	X	2459.450	99.40	10.83	110.23	74.00	36.23	peak	No Limit
3		2483.500	58.11	10.90	69.01	74.00	-4.99	peak	
4		2483.500	42.26	10.90	53.16	54.00	-0.84	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2457 MHz

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4913.837	31.05	8.22	39.27	54.00	-14.73	AVG	
2		4914.238	43.20	8.22	51.42	74.00	-22.58	peak	

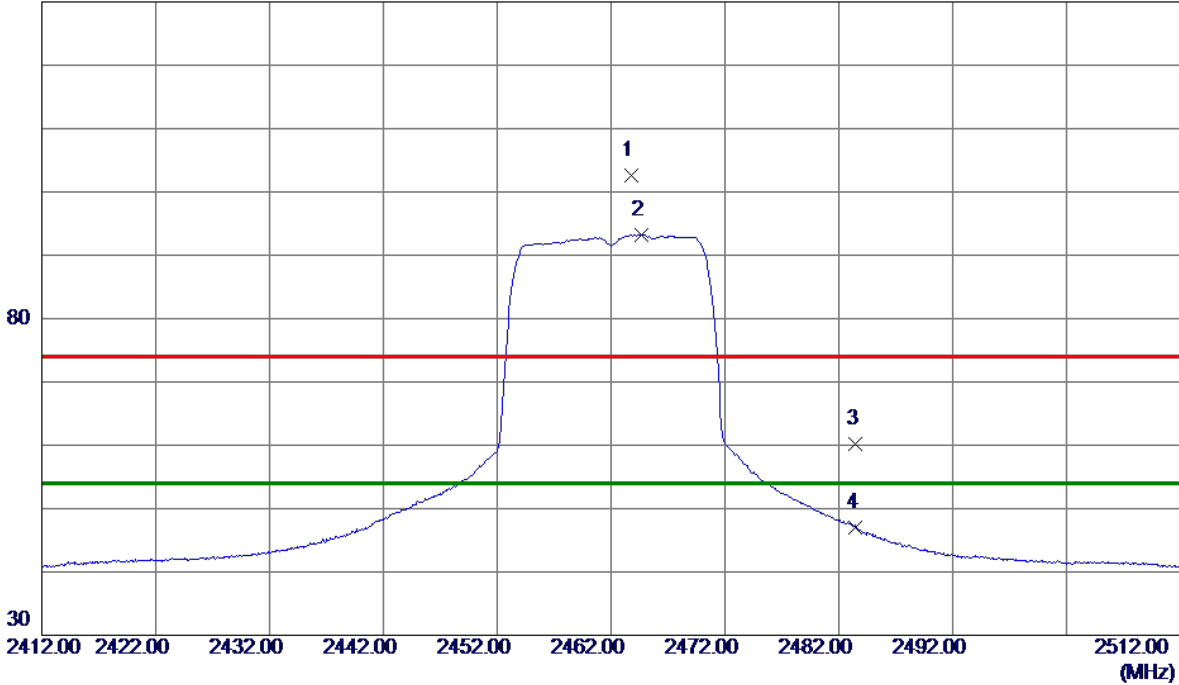
**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2462 MHz

### Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2463.8000	91.81	10.84	102.65	74.00	28.65	Peak	No Limit
2 *	2464.6500	82.45	10.84	93.29	54.00	39.29	AVG	No Limit
3	2483.5000	49.27	10.90	60.17	74.00	-13.83	Peak	
4	2483.5000	36.05	10.90	46.95	54.00	-7.05	AVG	

**REMARKS:**

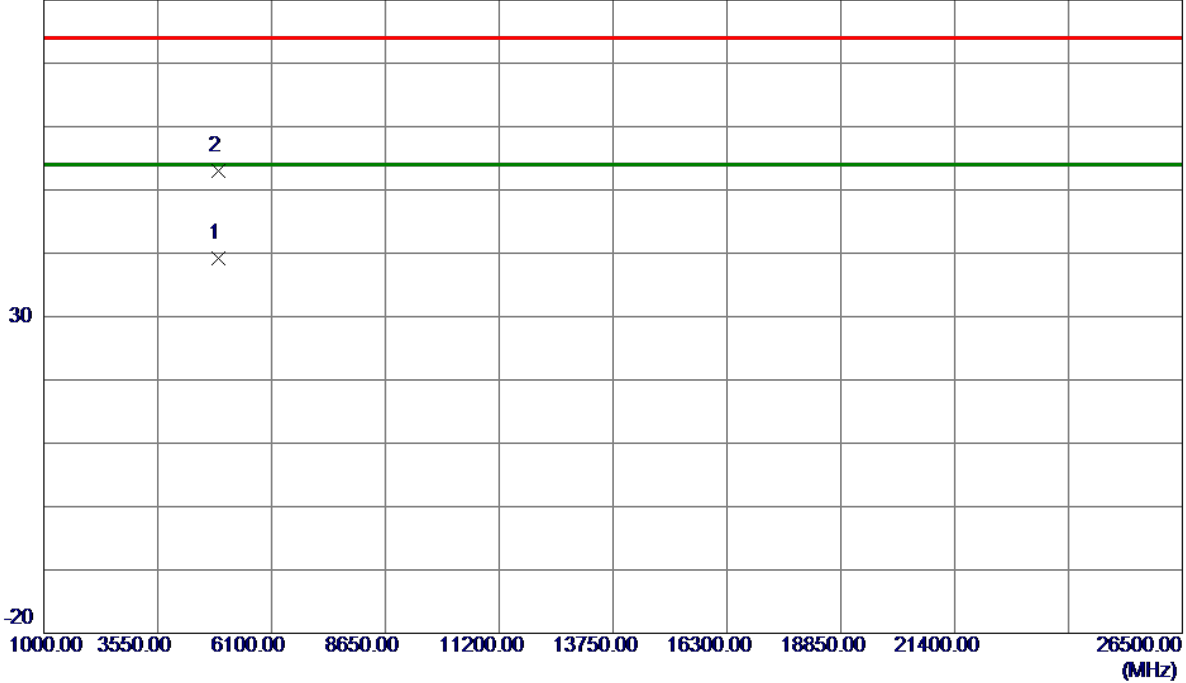
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.



Test Mode: TX G Mode 2462 MHz

### Vertical

80 dBuV/m



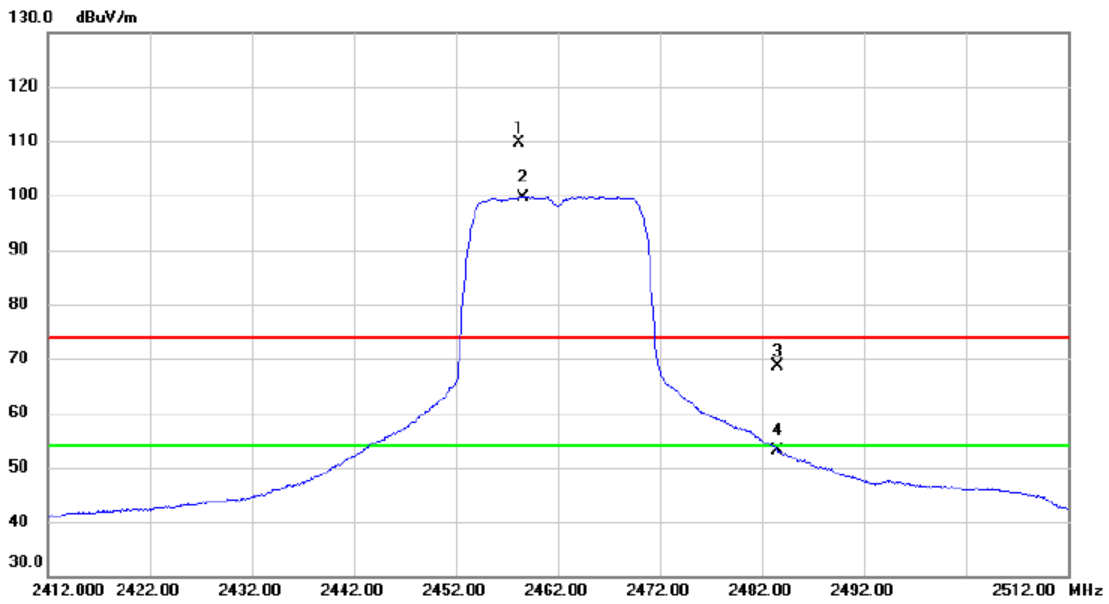
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4923.4700	31.02	8.25	39.27	54.00	-14.73	AVG	
2	4924.0099	44.75	8.26	53.01	74.00	-20.99	Peak	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2462 MHz

### Horizontal



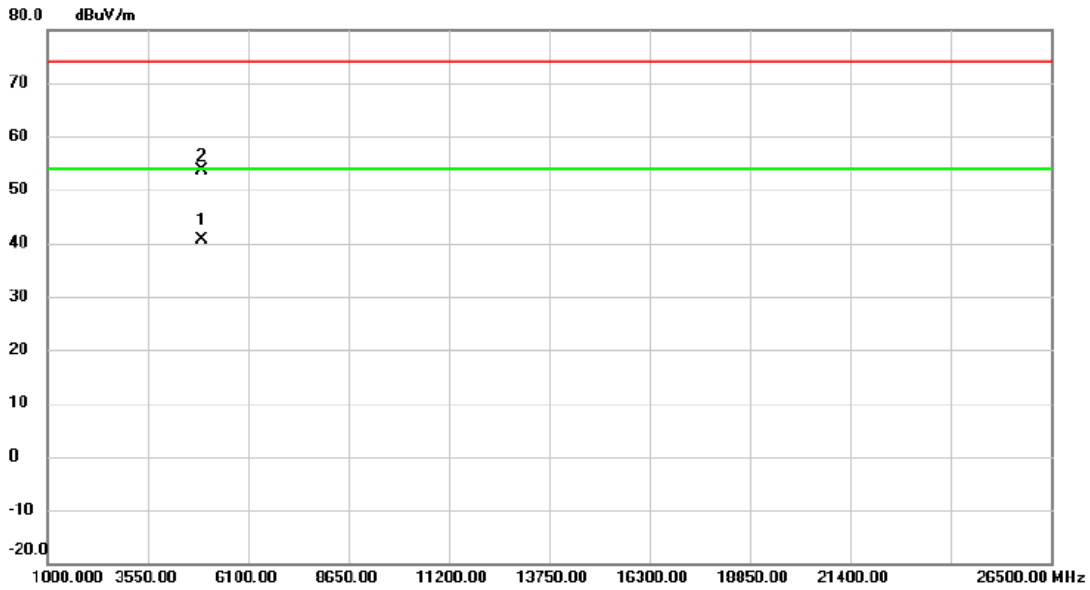
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2458.200	98.81	10.83	109.64	74.00	35.64	peak	No Limit
2	*	2458.650	88.88	10.83	99.71	54.00	45.71	AVG	No Limit
3		2483.500	57.74	10.90	68.64	74.00	-5.36	peak	
4		2483.500	42.30	10.90	53.20	54.00	-0.80	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX G Mode 2462 MHz

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4923.752	32.29	8.26	40.55	54.00	-13.45	AVG	
2		4924.640	45.26	8.26	53.52	74.00	-20.48	peak	

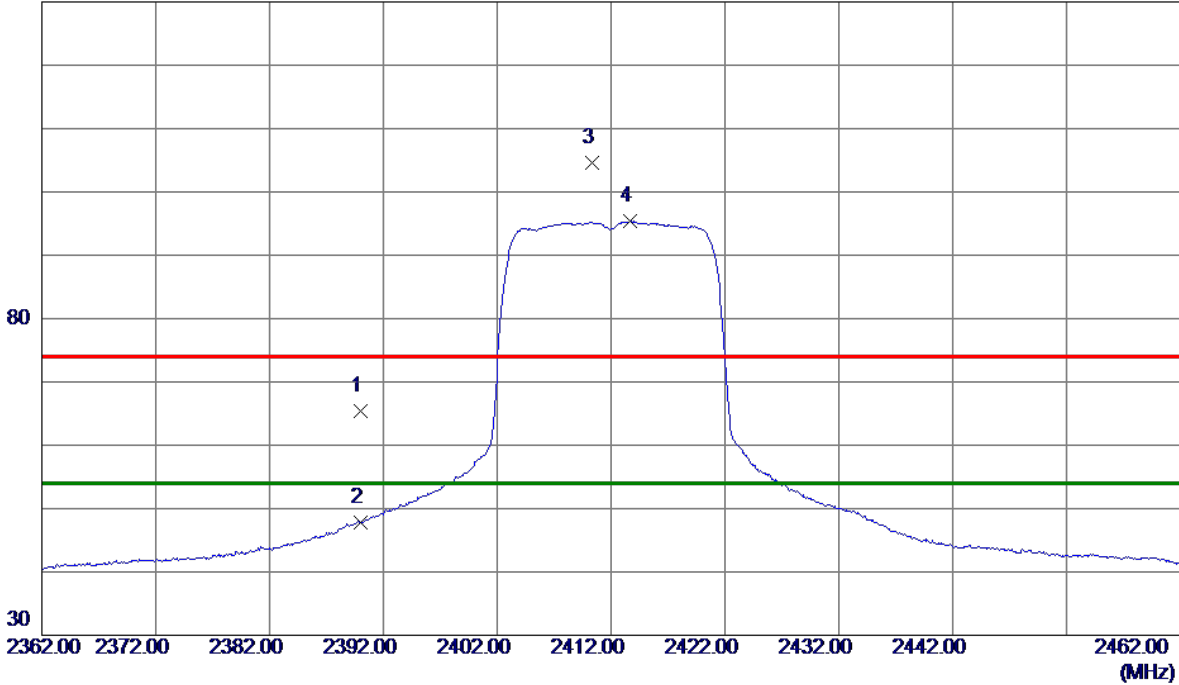
**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2412 MHz

### Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	54.80	10.62	65.42	74.00	-8.58	Peak	
2	2390.0000	37.16	10.62	47.78	54.00	-6.22	AVG	
3	2410.3000	93.91	10.68	104.59	74.00	30.59	Peak	No Limit
4 *	2413.6500	84.66	10.69	95.35	54.00	41.35	AVG	No Limit

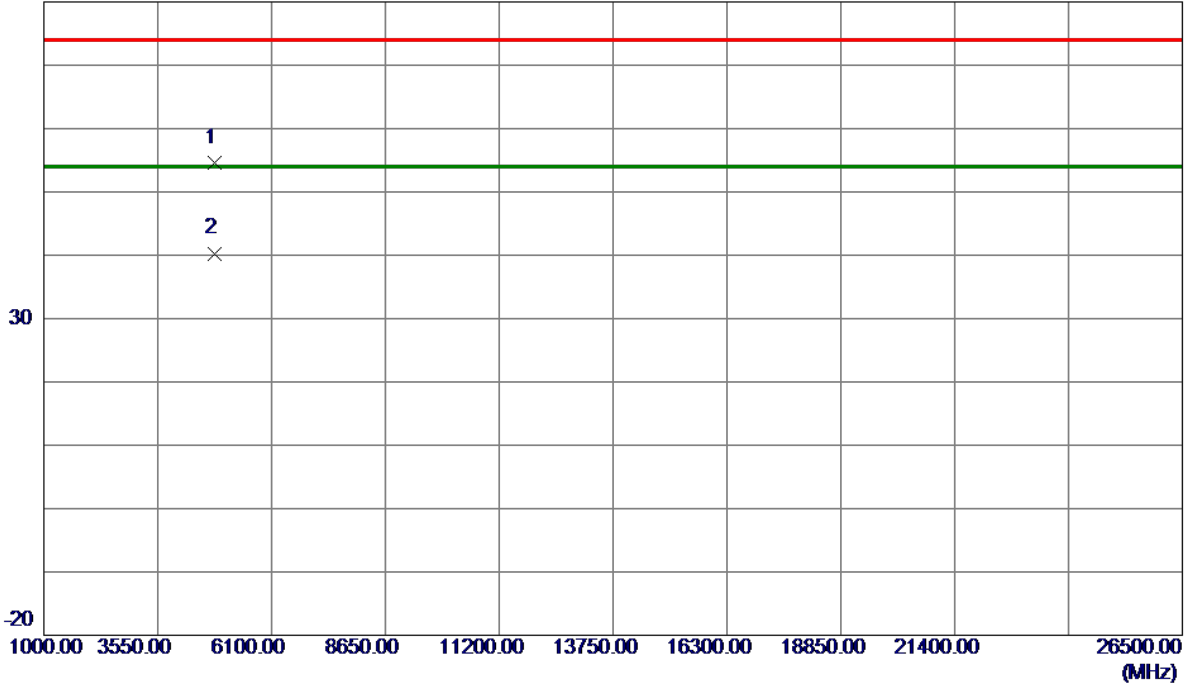
**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2412 MHz

### Vertical

80 dBuV/m



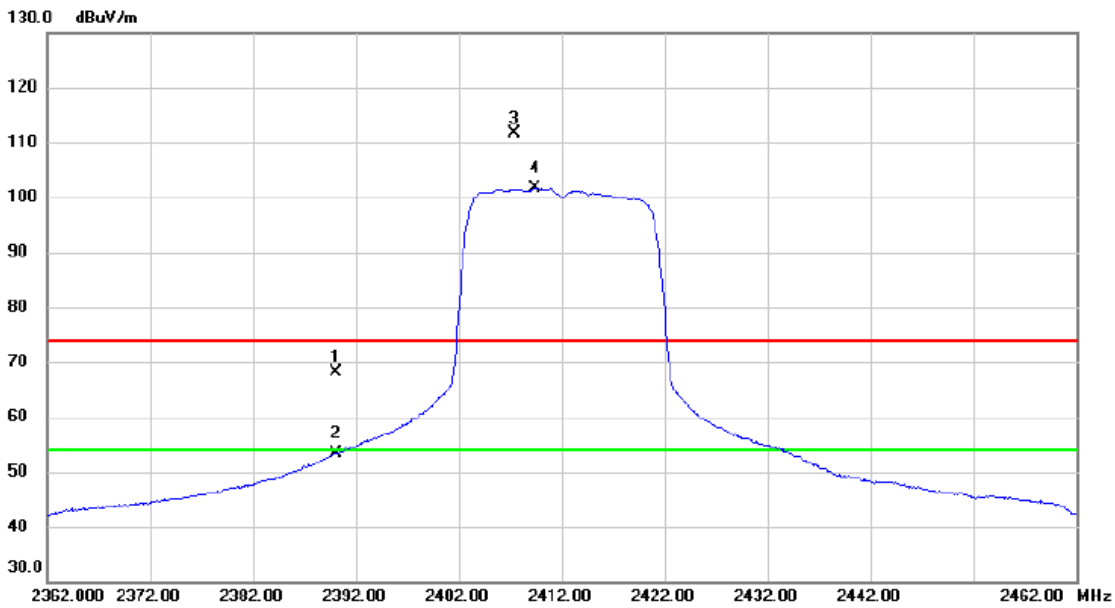
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.6930	46.69	7.86	54.55	74.00	-19.45	Peak	
2 *	4823.7300	32.44	7.86	40.30	54.00	-13.70	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2412 MHz

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	57.51	10.63	68.14	74.00	-5.86	peak	
2		2390.000	42.72	10.63	53.35	54.00	-0.65	AVG	
3	X	2407.450	100.85	10.68	111.53	74.00	37.53	peak	No Limit
4	*	2409.450	91.04	10.68	101.72	54.00	47.72	AVG	No Limit

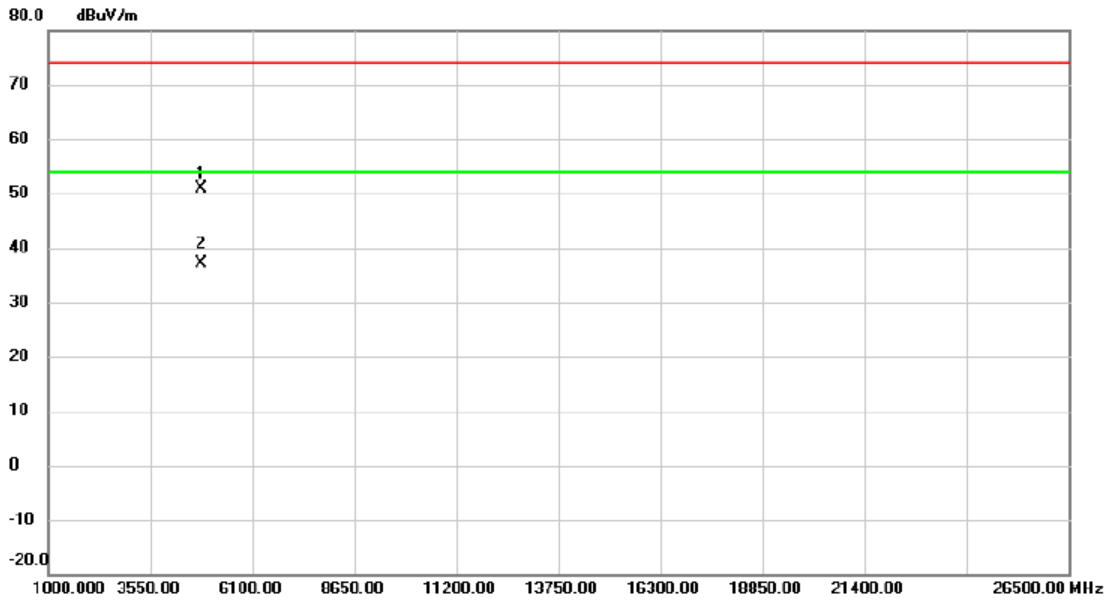
**REMARKS:**

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2412 MHz

### Horizontal



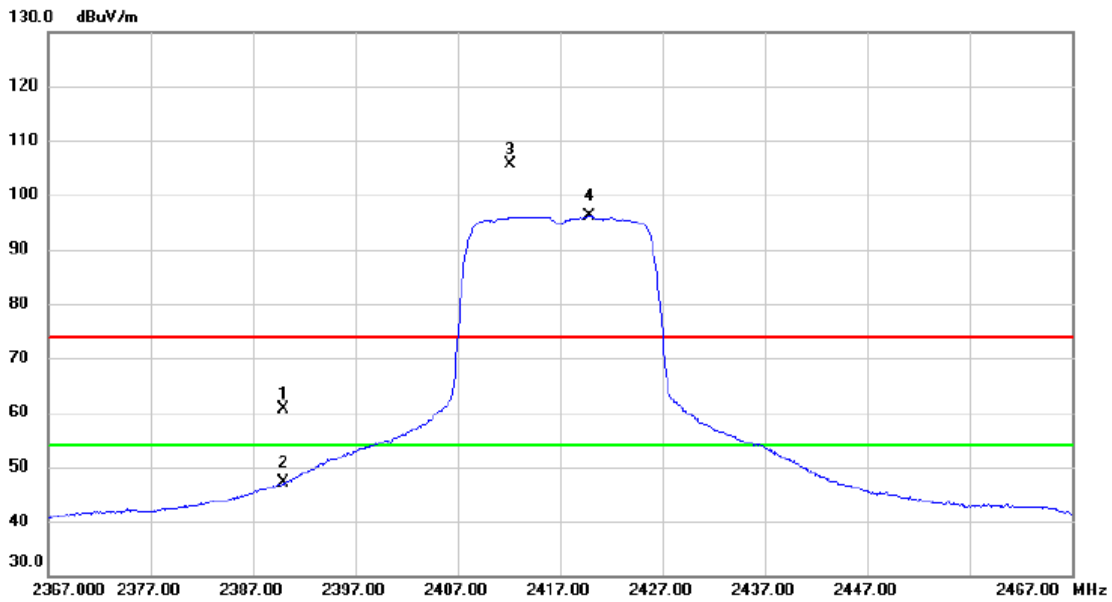
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4822.540	43.00	7.85	50.85	74.00	-23.15	peak	
2 *	4823.988	29.25	7.86	37.11	54.00	-16.89	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2417 MHz

### 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	50.06	10.63	60.69	74.00	-13.31	peak	
2		2390.000	36.51	10.63	47.14	54.00	-6.86	AVG	
3	X	2412.200	94.91	10.69	105.60	74.00	31.60	peak	No Limit
4	*	2419.900	85.43	10.71	96.14	54.00	42.14	AVG	No Limit

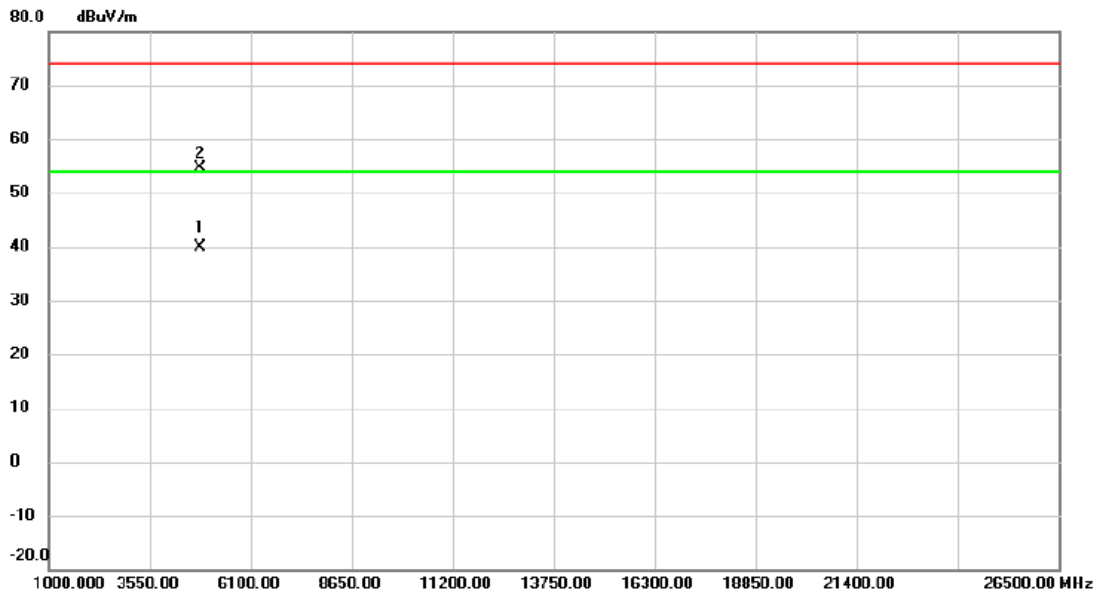
**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.



Test Mode: TX N-20M Mode 2417 MHz

### Vertical



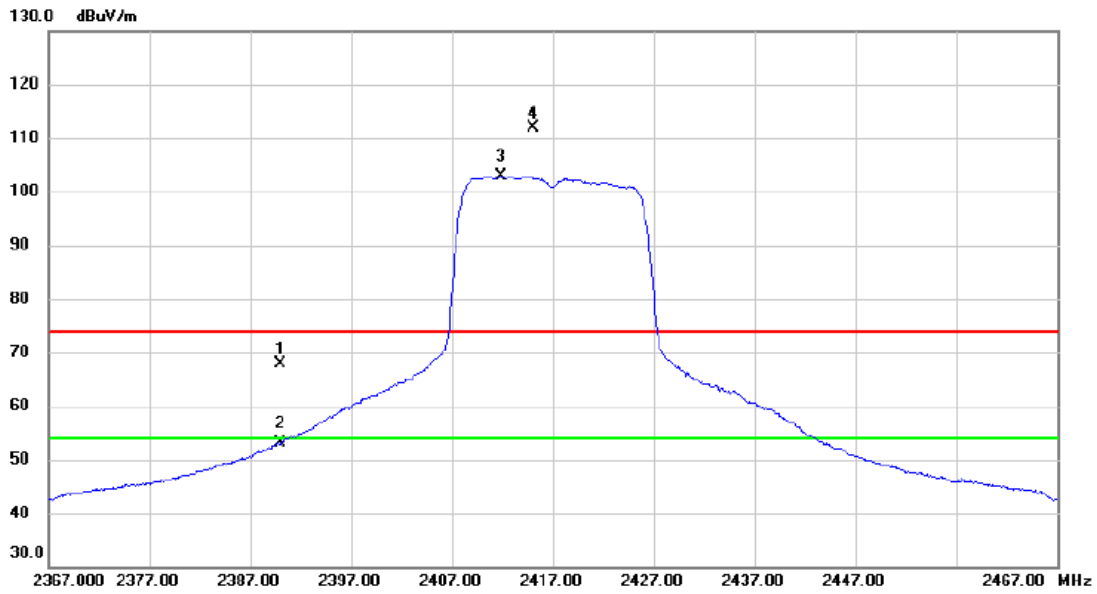
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4832.752	32.06	7.89	39.95	54.00	-14.05	AVG	
2		4833.523	46.62	7.89	54.51	74.00	-19.49	peak	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2417 MHz

### Horizontal



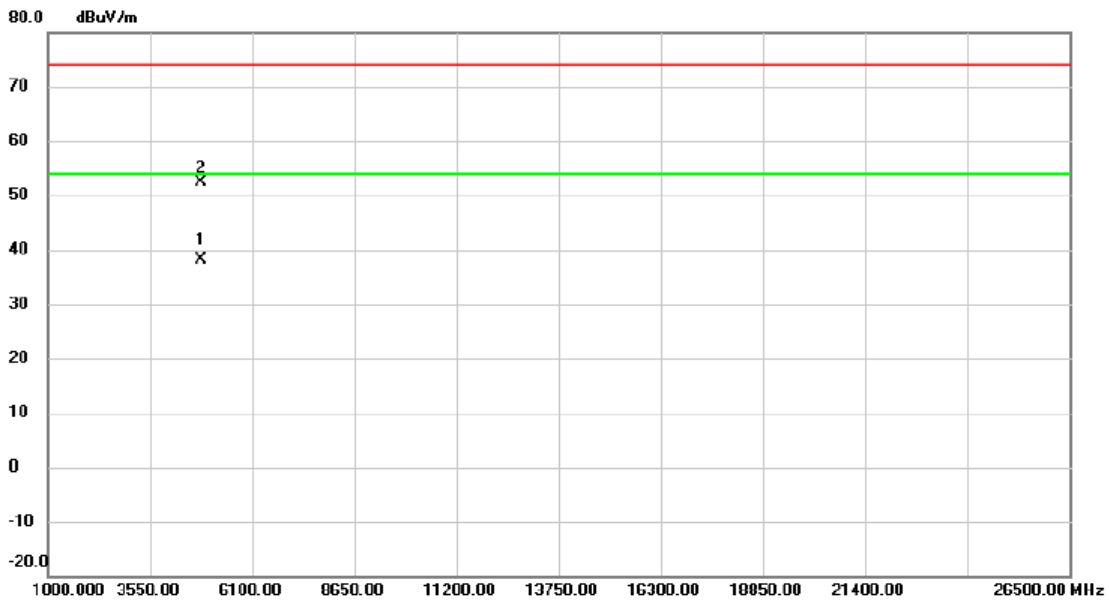
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	57.21	10.63	67.84	74.00	-6.16	peak	
2		2390.000	42.60	10.63	53.23	54.00	-0.77	AVG	
3	*	2411.850	92.15	10.69	102.84	54.00	48.84	AVG	No Limit
4	X	2415.000	101.19	10.69	111.88	74.00	37.88	peak	No Limit

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2417 MHz

### Horizontal



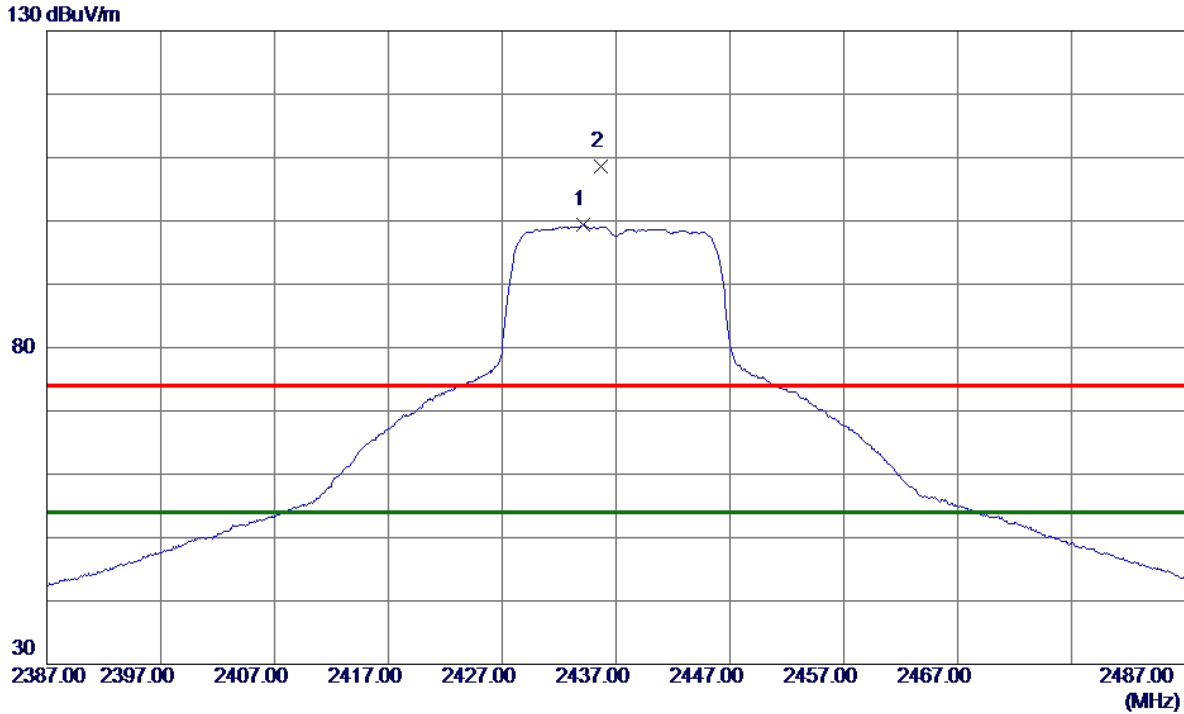
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4833.833	30.31	7.89	38.20	54.00	-15.80	AVG	
2		4834.520	44.57	7.90	52.47	74.00	-21.53	peak	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2437 MHz

### Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2434.1500	88.61	10.75	99.36	54.00	45.36	AVG	No Limit
2	2435.7000	97.91	10.76	108.67	74.00	34.67	Peak	No Limit

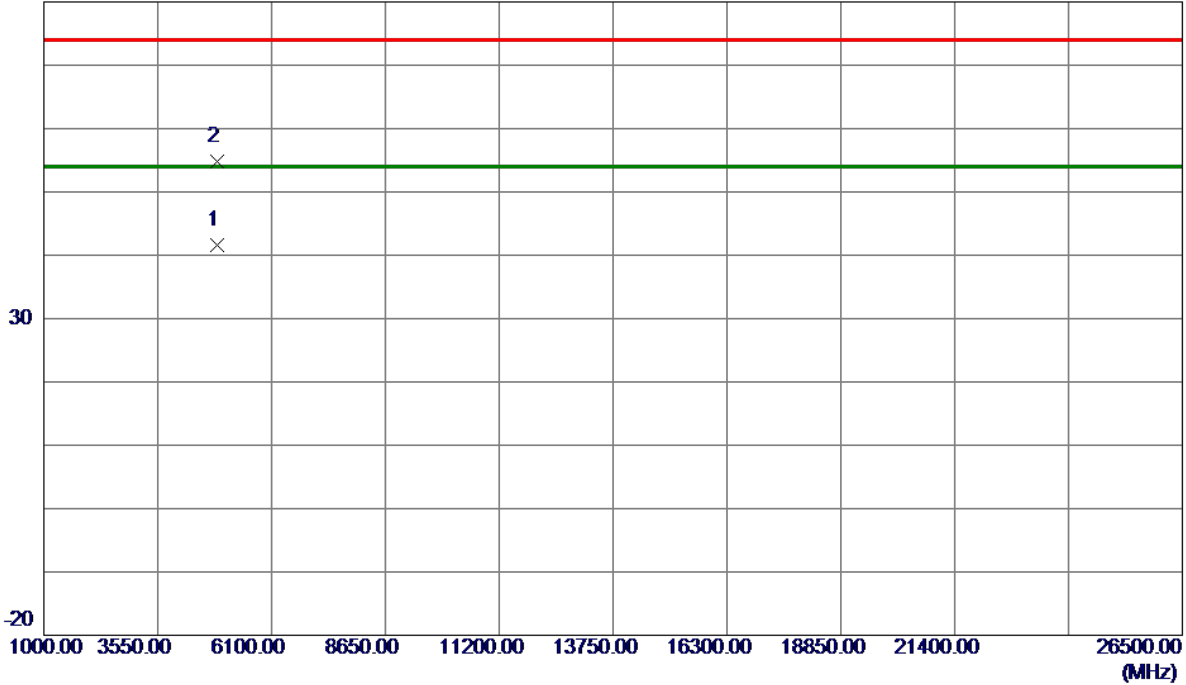
**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2437 MHz

### Vertical

80 dBuV/m



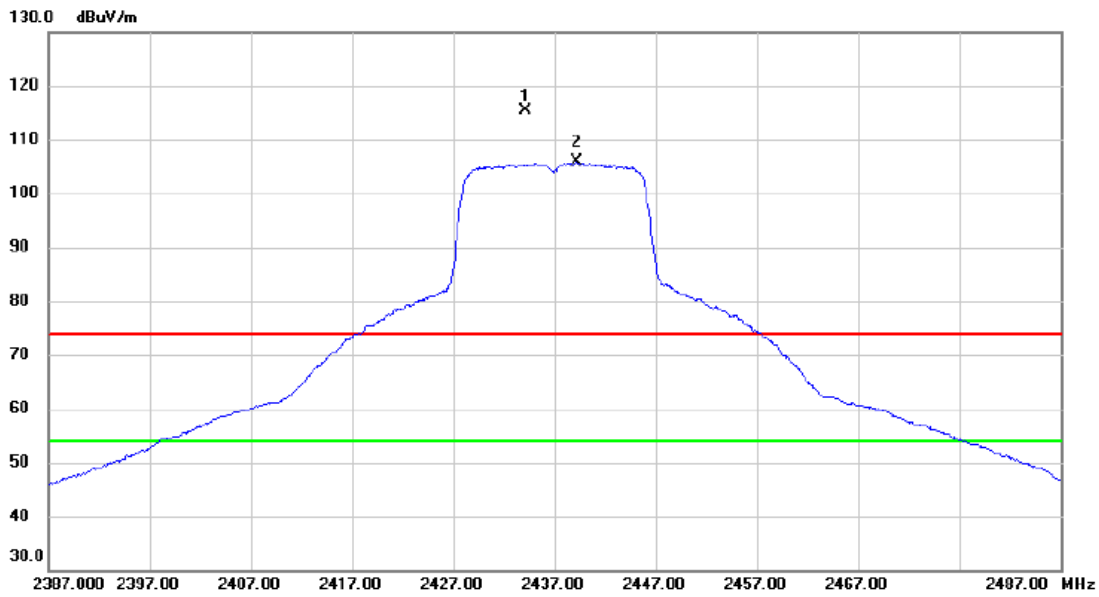
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4873.6250	33.50	8.06	41.56	54.00	-12.44	AVG	
2	4875.6549	46.75	8.06	54.81	74.00	-19.19	Peak	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2437 MHz

### Horizontal



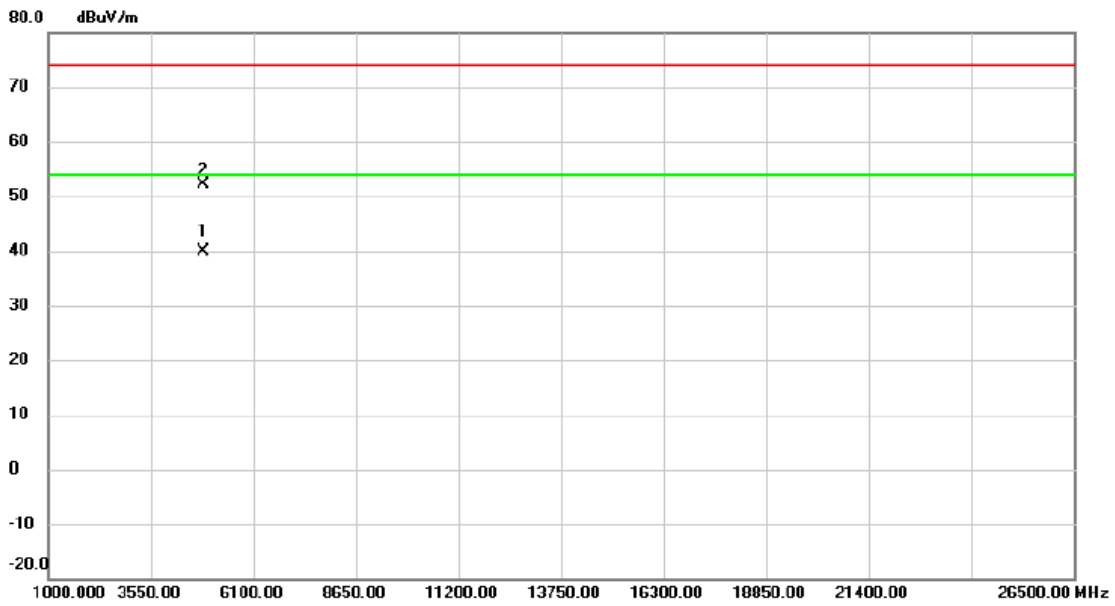
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2434.150	104.58	10.76	115.34	74.00	41.34	peak	No Limit
2	*	2439.200	95.05	10.77	105.82	54.00	51.82	AVG	No Limit

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2437 MHz

### Horizontal



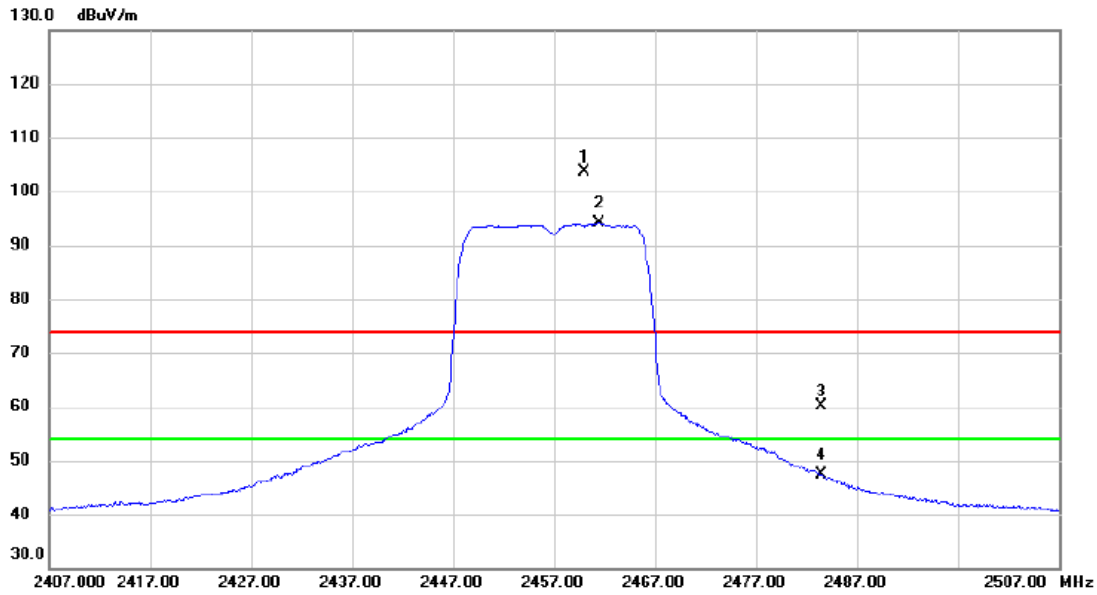
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.430	31.74	8.06	39.80	54.00	-14.20	AVG	
2	4874.770	44.01	8.06	52.07	74.00	-21.93	peak	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2457 MHz

### Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2459.950	92.90	10.83	103.73	74.00	29.73	peak	No Limit
2	*	2461.450	83.22	10.84	94.06	54.00	40.06	AVG	No Limit
3		2483.500	49.17	10.90	60.07	74.00	-13.93	peak	
4		2483.500	36.57	10.90	47.47	54.00	-6.53	AVG	

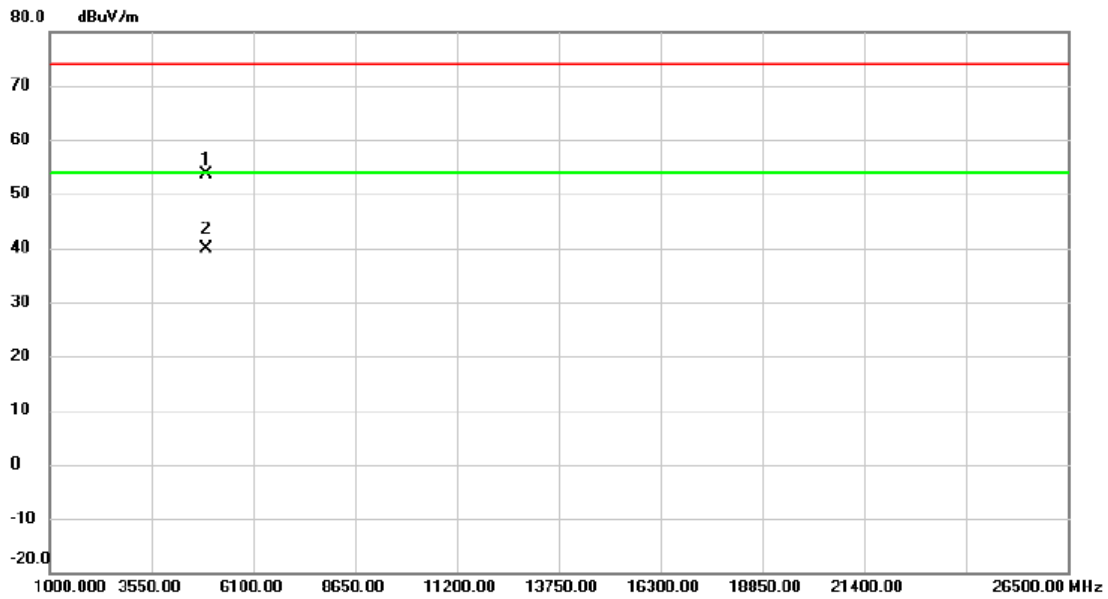
**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.



Test Mode: TX N-20M Mode 2457 MHz

### Vertical



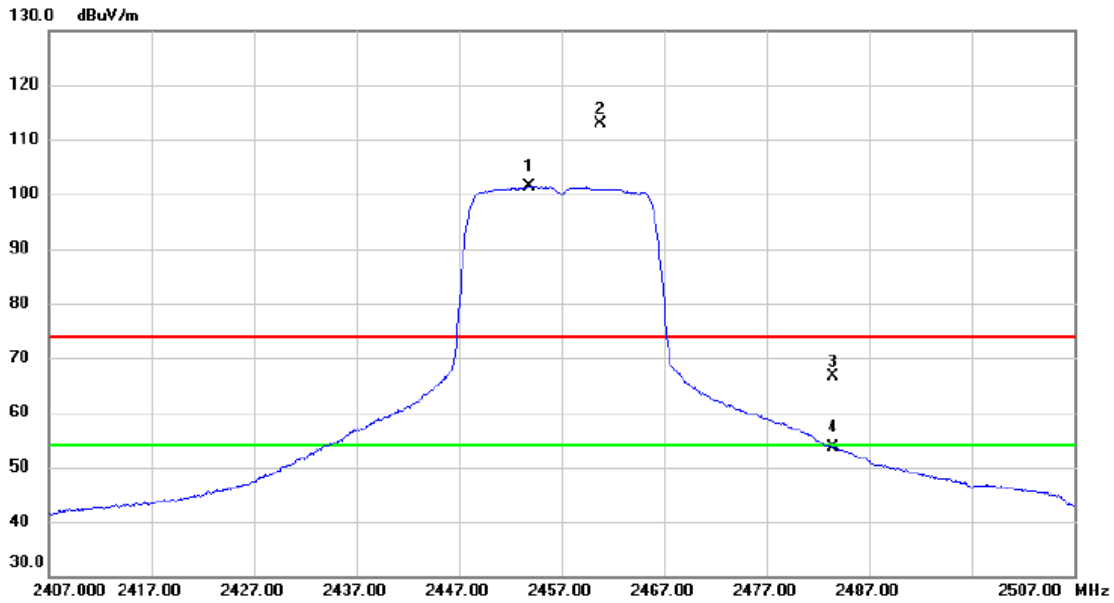
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4913.552	45.40	8.22	53.62	74.00	-20.38	peak	
2 *	4914.065	31.64	8.22	39.86	54.00	-14.14	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2457 MHz

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2453.850	90.55	10.81	101.36	54.00	47.36	AVG	No Limit
2	X	2460.750	102.09	10.83	112.92	74.00	38.92	peak	No Limit
3		2483.500	55.78	10.90	66.68	74.00	-7.32	peak	
4		2483.500	42.69	10.90	53.59	54.00	-0.41	AVG	

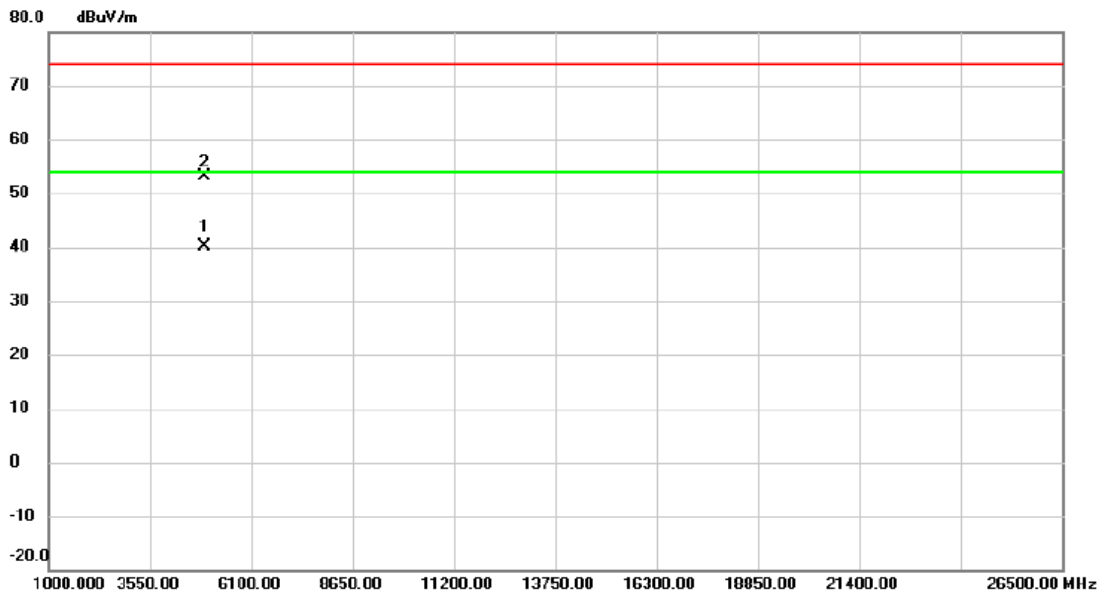
**REMARKS:**

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2457 MHz

### Horizontal



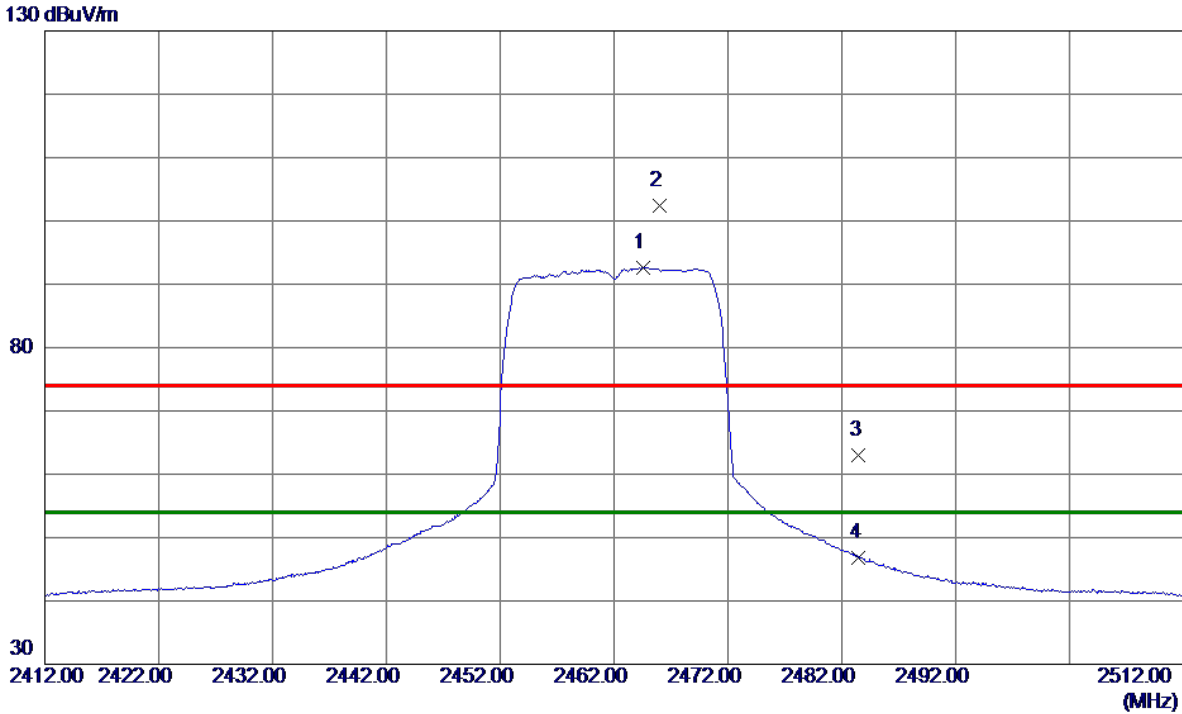
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4913.972	31.88	8.22	40.10	54.00	-13.90	AVG	
2		4915.292	44.79	8.22	53.01	74.00	-20.99	peak	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2462 MHz

### Vertical



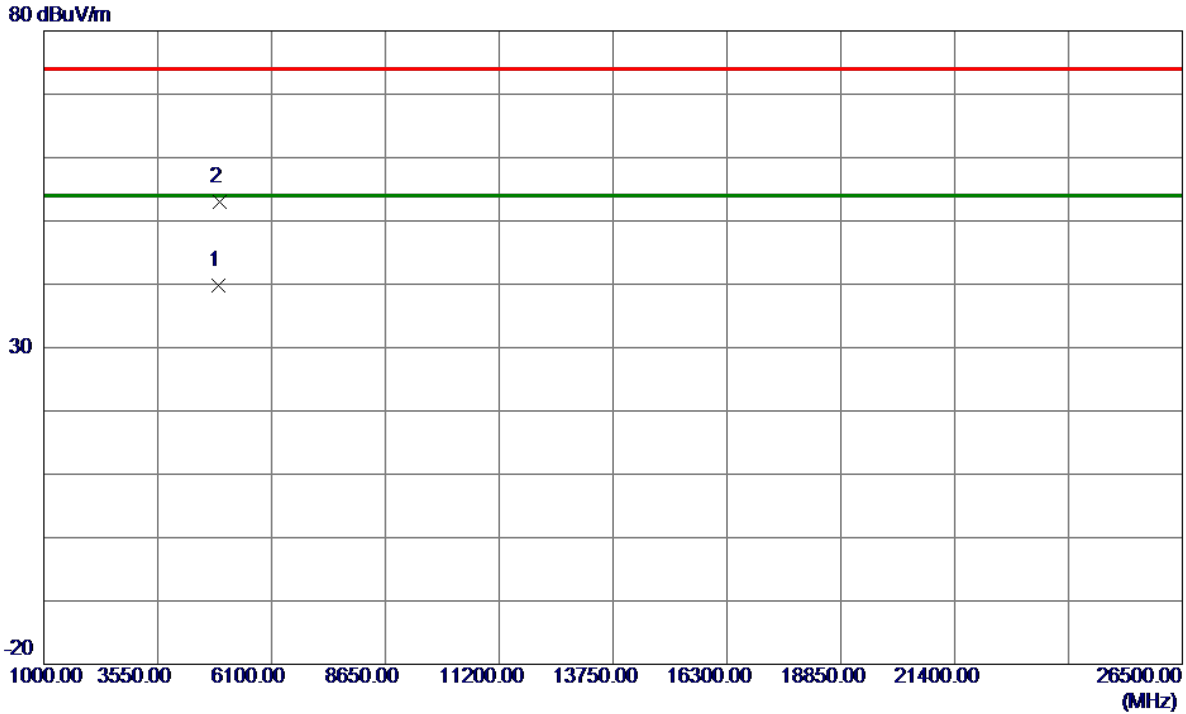
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2464.5500	81.75	10.84	92.59	54.00	38.59	AVG	No Limit
2	2465.9500	91.56	10.85	102.41	74.00	28.41	Peak	No Limit
3	2483.5000	52.11	10.90	63.01	74.00	-10.99	Peak	
4	2483.5000	35.92	10.90	46.82	54.00	-7.18	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2462 MHz

### Vertical



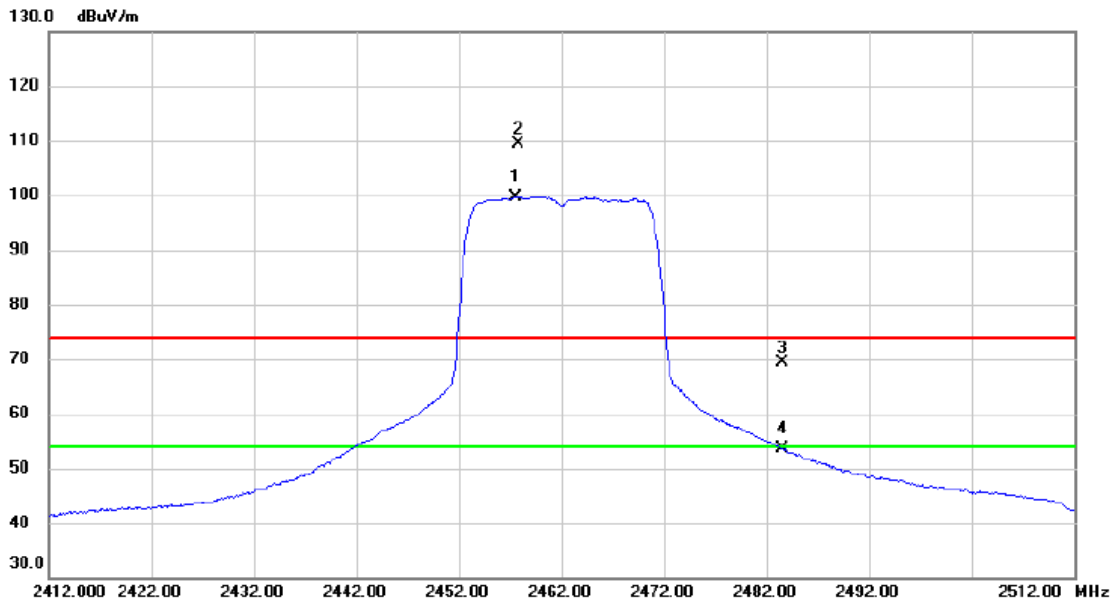
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.7250	31.58	8.26	39.84	74.00	-34.16	Peak	
2 *	4924.6500	44.78	8.26	53.04	74.00	-20.96	Peak	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2462 MHz

### Horizontal



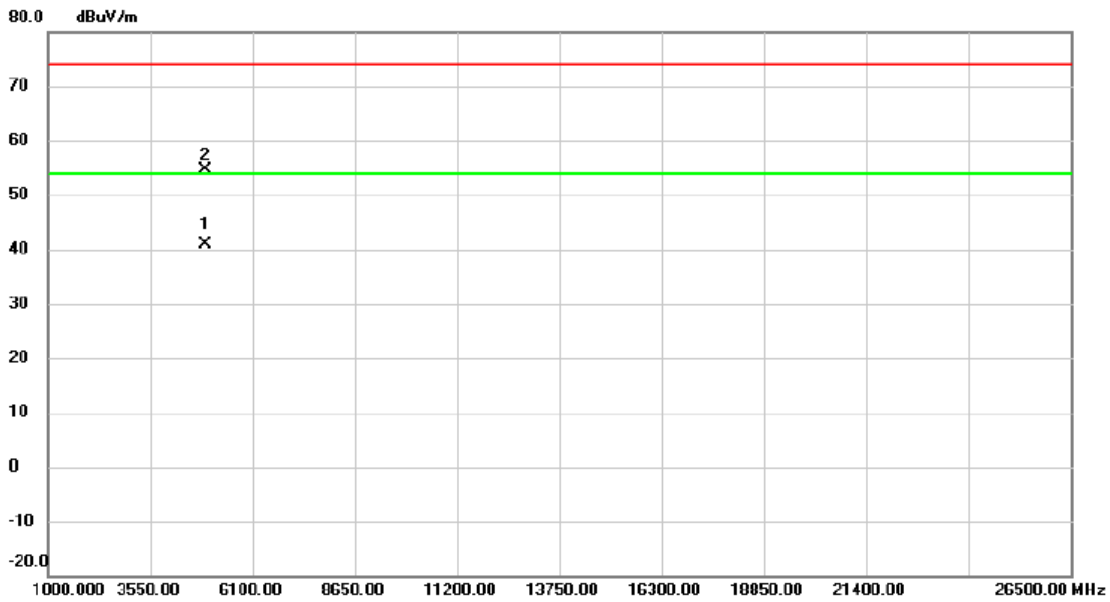
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2457.550	88.89	10.83	99.72	54.00	45.72	AVG	No Limit
2	X	2457.800	98.61	10.83	109.44	74.00	35.44	peak	No Limit
3		2483.500	58.48	10.90	69.38	74.00	-4.62	peak	
4		2483.500	42.76	10.90	53.66	54.00	-0.34	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Value + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX N-20M Mode 2462 MHz

### Horizontal



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4923.597	32.74	8.26	41.00	54.00	-13.00	AVG	
2	4924.613	46.26	8.26	54.52	74.00	-19.48	peak	

**REMARKS:**

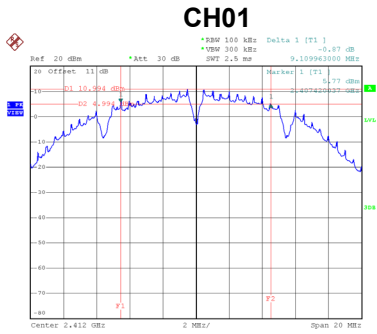
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

## APPENDIX E - BANDWIDTH

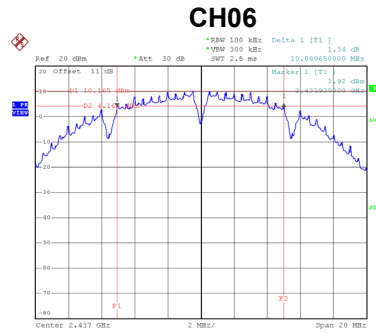


Test Mode	TX B Mode
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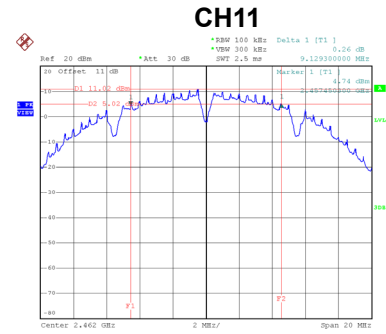
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	9.11	500	Complies
06	2437	10.09	500	Complies
11	2462	9.13	500	Complies



Date: 22.OCT.2020 11:46:19

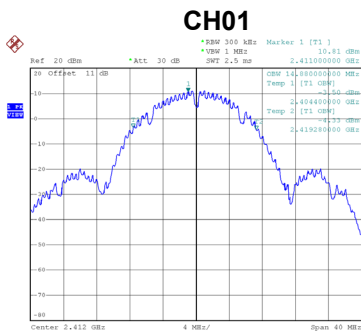


Date: 22.OCT.2020 11:53:03

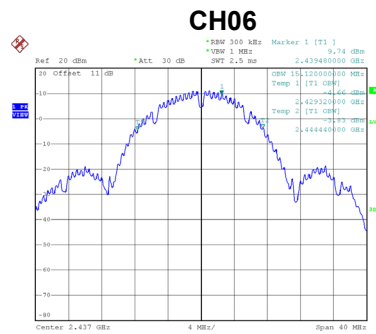


Date: 22.OCT.2020 11:55:04

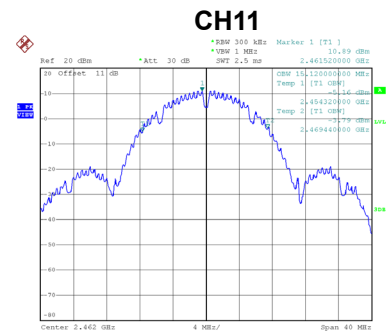
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	14.88	Complies
06	2437	15.12	Complies
11	2462	15.12	Complies



Date: 22.OCT.2020 11:46:57



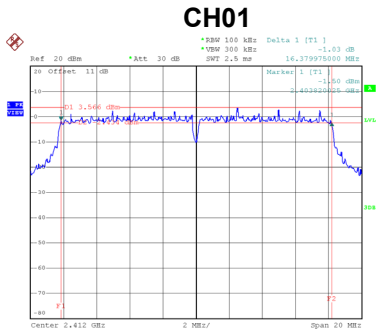
Date: 22.OCT.2020 11:53:11



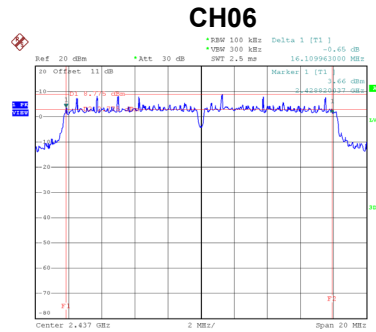
Date: 22.OCT.2020 11:55:12

Test Mode	TX G Mode
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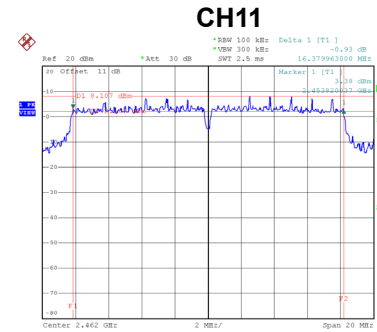
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	16.38	500	Complies
06	2437	16.11	500	Complies
11	2462	16.38	500	Complies



Date: 22.OCT.2020 12:04:46

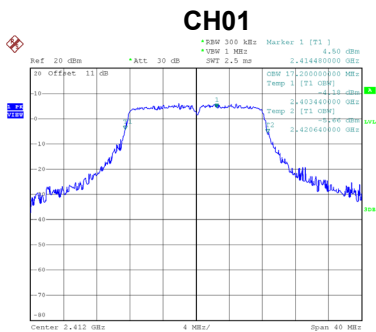


Date: 22.OCT.2020 13:46:34

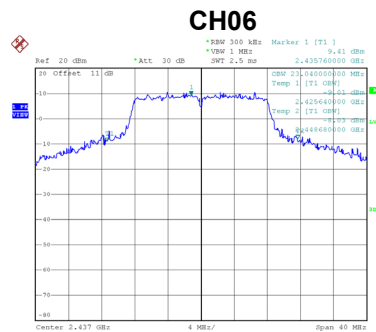


Date: 22.OCT.2020 13:48:27

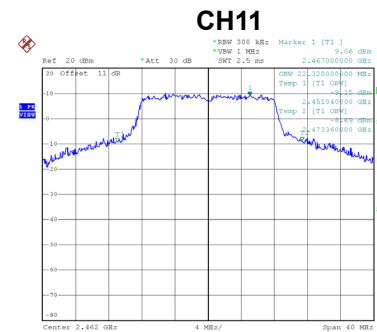
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	17.20	Complies
06	2437	23.04	Complies
11	2462	22.32	Complies



Date: 22.OCT.2020 12:04:53



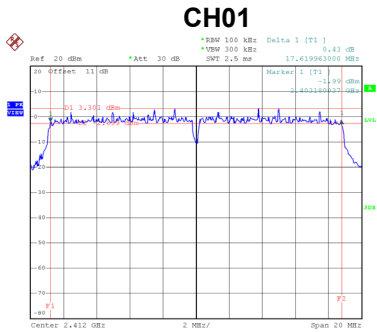
Date: 22.OCT.2020 13:46:41



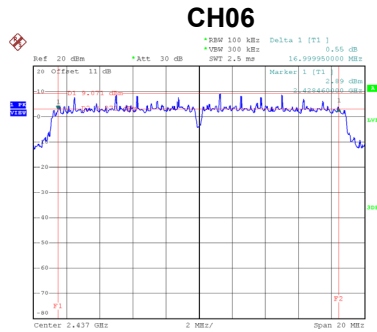
Date: 22.OCT.2020 13:48:34

Test Mode	TX N-20M Mode
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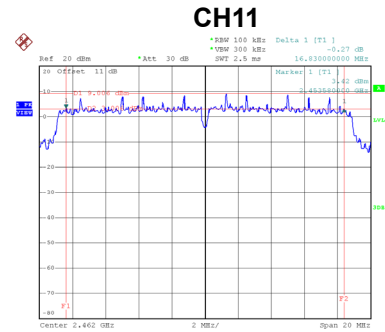
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	17.62	500	Complies
06	2437	17.00	500	Complies
11	2462	16.83	500	Complies



Date: 22.OCT.2020 13:52:17

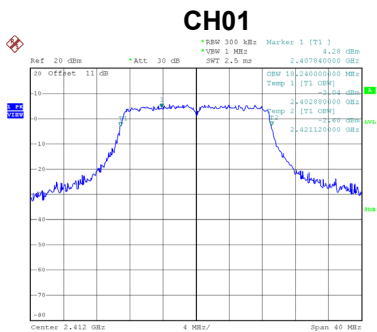


Date: 22.OCT.2020 13:55:40

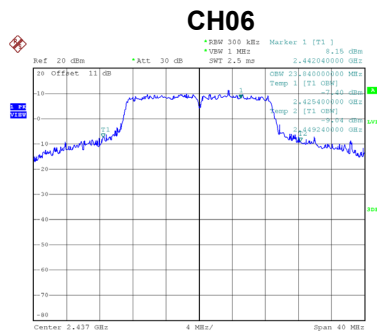


Date: 22.OCT.2020 13:57:58

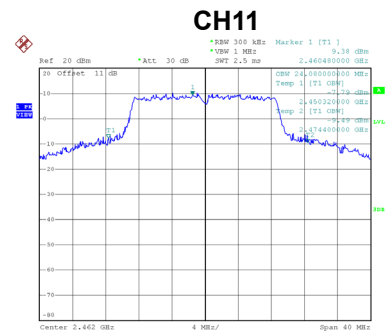
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	18.24	Complies
06	2437	23.84	Complies
11	2462	24.08	Complies



Date: 22.OCT.2020 13:52:25



Date: 22.OCT.2020 13:55:48



Date: 22.OCT.2020 13:58:05

## **APPENDIX F - MAXIMUM AVERAGE OUTPUT POWER**

Test Mode	TX B Mode
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.16	0.00	20.16	30.00	1.0000	Complies
06	2437	20.81	0.00	20.81	30.00	1.0000	Complies
11	2462	19.73	0.00	19.73	30.00	1.0000	Complies

Test Mode	TX G Mode
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	18.64	0.27	18.91	30.00	1.0000	Complies
06	2437	19.72	0.27	19.99	30.00	1.0000	Complies
11	2462	17.05	0.27	17.32	30.00	1.0000	Complies

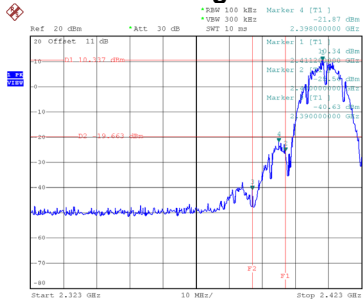
Test Mode	TX N-20M Mode
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	18.03	0.28	18.31	30.00	1.0000	Complies
06	2437	20.18	0.28	20.46	30.00	1.0000	Complies
11	2462	16.18	0.28	16.46	30.00	1.0000	Complies

## **APPENDIX G - CONDUCTED SPURIOUS EMISSIONS**

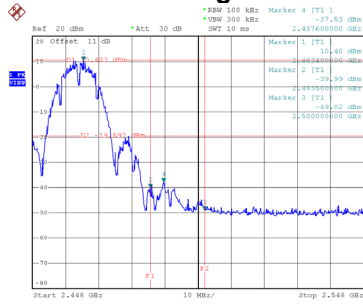
Test Mode TX B Mode

### Bandedge-CH01



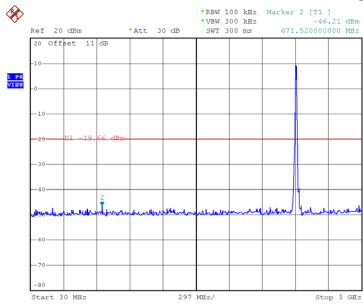
Date: 22.OCT.2020 11:47:06

### Bandedge-CH11

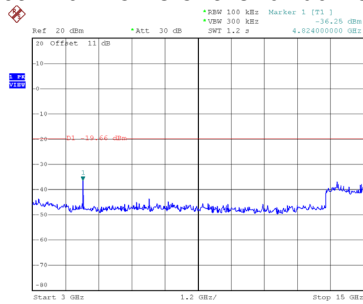


Date: 22.OCT.2020 11:55:20

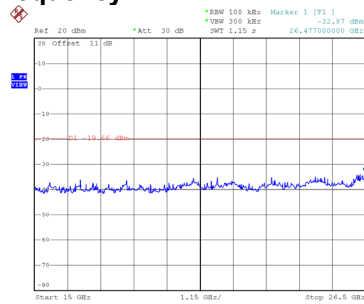
### CH01 – 10th Harmonic of the fundamental frequency



Date: 22.OCT.2020 11:47:20

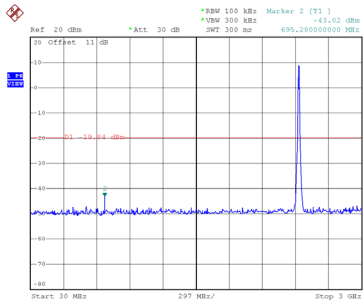


Date: 22.OCT.2020 11:47:28

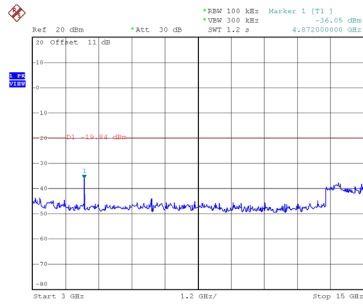


Date: 22.OCT.2020 11:47:37

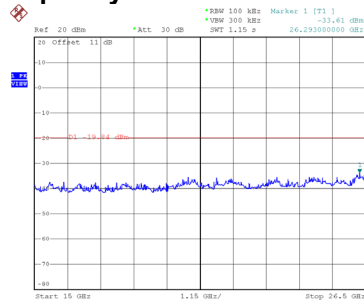
### CH06 – 10th Harmonic of the fundamental frequency



Date: 22.OCT.2020 11:53:33

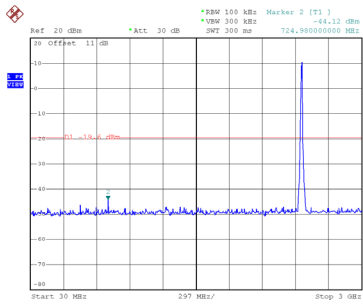


Date: 22.OCT.2020 11:53:42

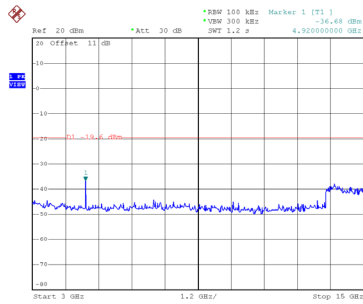


Date: 22.OCT.2020 11:53:50

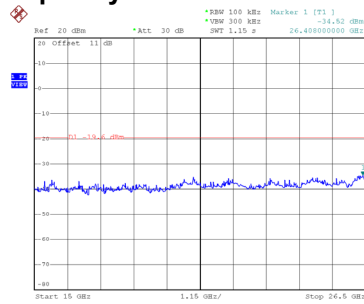
### CH11 – 10th Harmonic of the fundamental frequency



Date: 22.OCT.2020 11:55:34



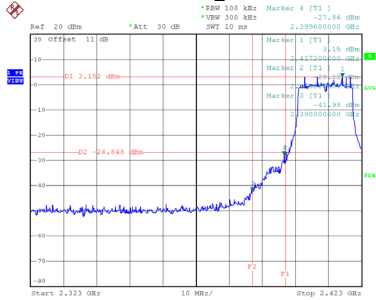
Date: 22.OCT.2020 11:55:43



Date: 22.OCT.2020 11:55:51

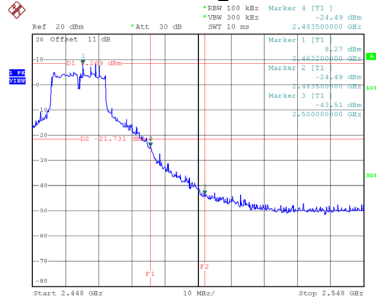
Test Mode TX G Mode

### Bandedge-CH01



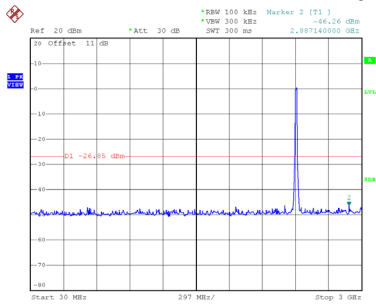
Date: 22.OCT.2020 12:04:25

### Bandedge-CH11

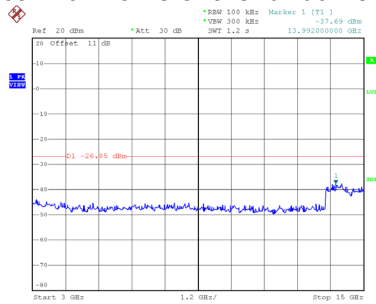


Date: 22.OCT.2020 13:48:07

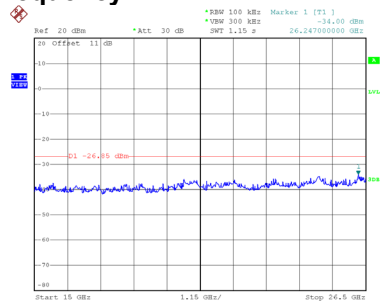
### CH01 – 10th Harmonic of the fundamental frequency



Date: 22.OCT.2020 12:05:08

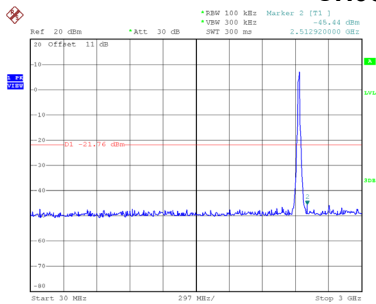


Date: 22.OCT.2020 12:05:16

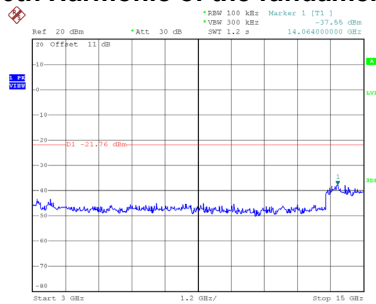


Date: 22.OCT.2020 12:05:25

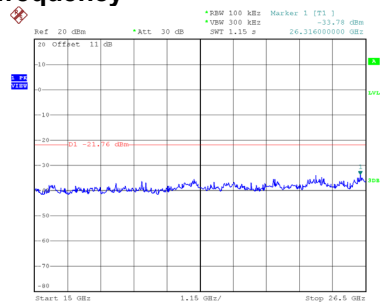
### CH06 – 10th Harmonic of the fundamental frequency



Date: 22.OCT.2020 13:46:56

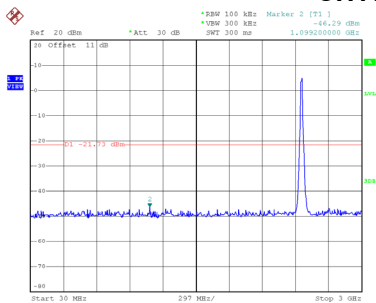


Date: 22.OCT.2020 13:47:04

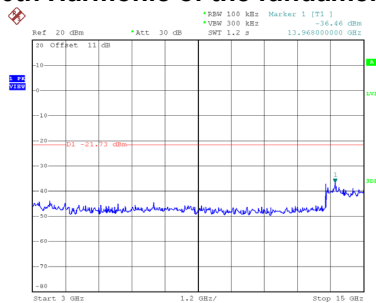


Date: 22.OCT.2020 13:47:13

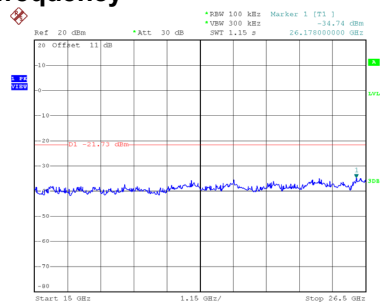
### CH11 – 10th Harmonic of the fundamental frequency



Date: 22.OCT.2020 13:48:48



Date: 22.OCT.2020 13:48:57



Date: 22.OCT.2020 13:49:05