

# FCC Radio Test Report

## FCC ID: R9C-CPH2185

This report concerns: Original Grant

**Project No.** : 2008C120  
**Equipment** : Mobile Phone  
**Brand Name** : OPPO  
**Test Model** : CPH2185  
**Series Model** : N/A  
**Applicant** : Guangdong OPPO Mobile Telecommunications Corp., Ltd.  
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**Address** : NO.18 HaiBin Road, Wusha Village, Chang An Town, DongGuan City, Guangdong,China  
**Date of Receipt** : Aug. 26, 2020  
**Date of Test** : Aug. 26, 2020 ~ Sep. 18, 2020  
**Issued Date** : Sep. 23, 2020  
**Report Version** : R00  
**Test Sample** : Engineering Sample No.: DG2020083155 for conducted, DG2020083151 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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**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.	Sep. 23, 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 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	2.60

### B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9kHz ~ 30MHz	V	3.79
		9kHz ~ 30MHz	H	3.57
		30MHz ~ 200MHz	V	4.88
		30MHz ~ 200MHz	H	4.14
		200MHz ~ 1,000MHz	V	4.62
		200MHz ~ 1,000MHz	H	4.80
		1GHz ~ 6GHz	-	4.58
		6GHz ~ 18GHz	-	5.18
		18GHz ~ 26.5GHz	-	3.62
		26.5GHz ~ 40GHz	-	4.00

### C. Other Measurement:

Parameter	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	Kwok Guo
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	26°C	52%	AC 120V/60Hz	Kwok Guo
Bandwidth	24.3°C	49%	DC 3.85V	Jesse Wang
Maximum output power	24.3°C	49%	DC 3.85V	Hand Huang
Conducted Spurious Emissions	24.3°C	49%	DC 3.85V	Jesse Wang
Power Spectral Density	24.3°C	49%	DC 3.85V	Jesse Wang



## 2. GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

Equipment	Mobile Phone
Brand Name	OPPO
Test Model	CPH2185
Series Model	N/A
Model Difference(s)	N/A
Hardware Version	11
Software Version	Color OS V7.2
Power Source	1. DC Voltage supplied from AC adapter. 1# Model: OP52YAUH 2# Model: OP52JAUH 3# Model: OP52KAUH 4# Model: OP52JBUH 2. Supplied from Li-ion Polymer battery. Model: BLP817 3. Supplied from USB port.
Power Rating	1. I/P:100-240V~ 50/60Hz 0.4A O/P:5V---2A 2. 3.85Vdc, 4100mAh/15.78Wh 3. DC 5V
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 Output Power	IEEE 802.11b: 16.74 dBm (0.0472 W) IEEE 802.11g: 17.38 dBm (0.0547 W) IEEE 802.11n (HT20): 17.03 dBm (0.0505 W)

Note:

- 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	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PIFA	N/A	-3

## 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 01/02/06/10/11
Mode 5	TX G Mode Channel 01/02/06/10/11
Mode 6	TX N-20 MHz Mode Channel 01/02/06/10/11
Mode 7	TX G Mode Channel 06

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

AC power line conducted emissions test	
Final Test Mode	Description
Mode 7	TX G Mode Channel 06

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 7	TX G Mode Channel 06

Radiated emissions test- Above 1GHz	
Final Test Mode	Description
Mode 4	TX B Mode Channel 01/02/06/10/11
Mode 5	TX G Mode Channel 01/02/06/10/11
Mode 6	TX N-20 MHz Mode Channel 01/02/06/10/11

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

**NOTE:**

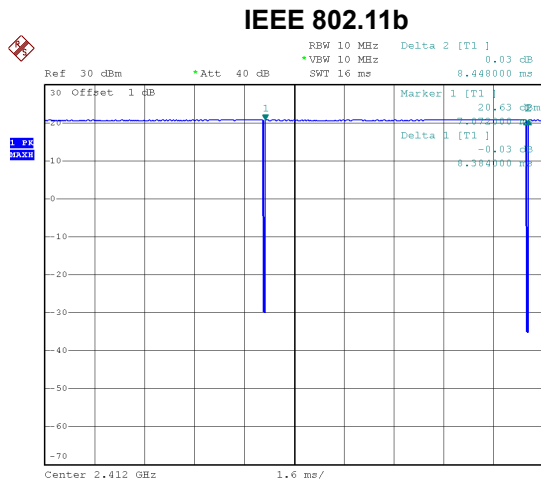
- (1) The measurements are performed at the high, middle, low available channels.
- (2) For radiated emission below 1 GHz test, the IEEE 802.11g Channel 06 is found to be the worst case and recorded.
- (3) For radiated emission above 1 GHz test, 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (4) For AC power line conducted emissions and radiated spurious emissions below 1 GHz test, all adapters had been pre-tested and in this report only recorded the worst case.

### 2.3 PARAMETERS OF TEST SOFTWARE

Test Software	*#36116337#				
Frequency (MHz)	2412	2417	2437	2457	2462
IEEE 802.11b	14	17	17	17	14
IEEE 802.11g	14	17	17	17	14
IEEE 802.11n (HT20)	14	17	17	17	14

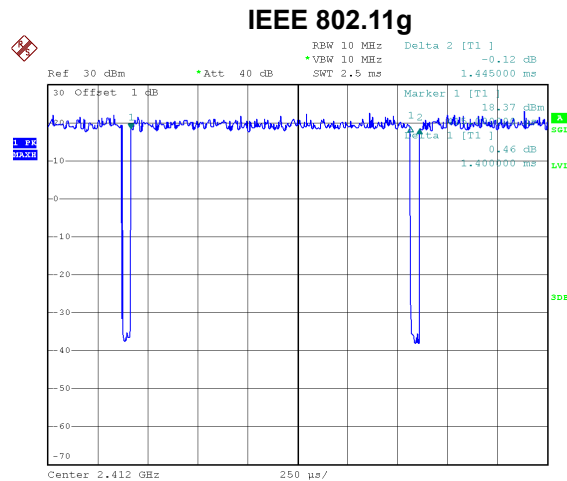
## 2.4 DUTY CYCLE

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.



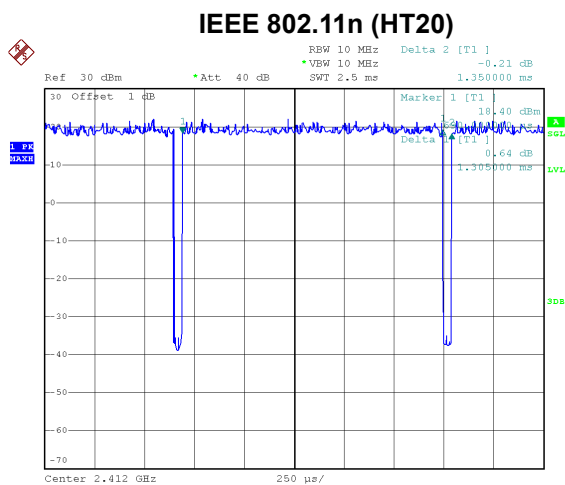
Date: 8.SEP.2020 10:17:59

Duty cycle = 8.395 ms / 8.441 ms = 99.46%  
Duty Factor = 10 log(1/Duty cycle) = 0.00



Date: 8.SEP.2020 10:20:20

Duty cycle = 1.392 ms / 1.440 ms = 96.67%  
Duty Factor = 10 log(1/Duty cycle) = 0.15



Date: 8.SEP.2020 10:20:50

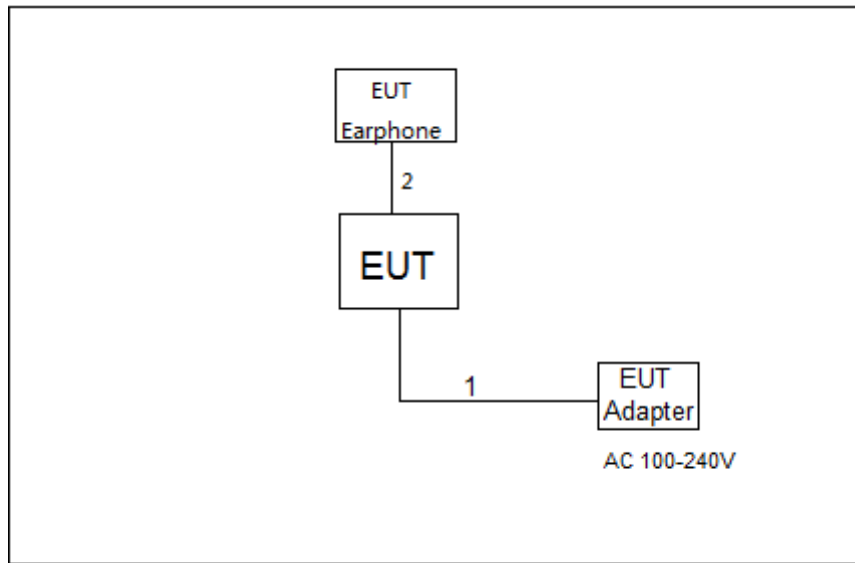
Duty cycle = 1.310 ms / 1.355 ms = 96.68%  
Duty Factor = 10 log(1/Duty cycle) = 0.15

NOTE:

For 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%).

## 2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



## 2.6 SUPPORT UNITS

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

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	USB Cable	YES	NO	1m
2	Audio Cable	NO	NO	1m

### 3. AC POWER LINE CONDUCTED EMISSIONS TEST

#### 3.1 LIMIT

Frequency of Emission (MHz)	Limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15 - 0.50	66 to 56*	56 to 46*
0.50 - 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

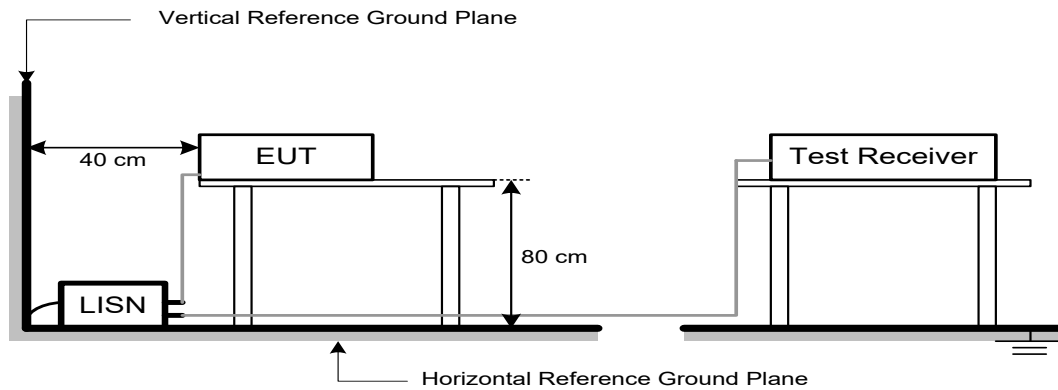
#### 3.2 TEST PROCEDURE

- 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)	Band edge/ Harmonic at 3m (dBμV/m)		Harmonic at 1.5m (dBμV/m)	
	Peak	Average	Peak	Average
Above 1000	74	54	80 (Note 5)	60(Note 5)

#### 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

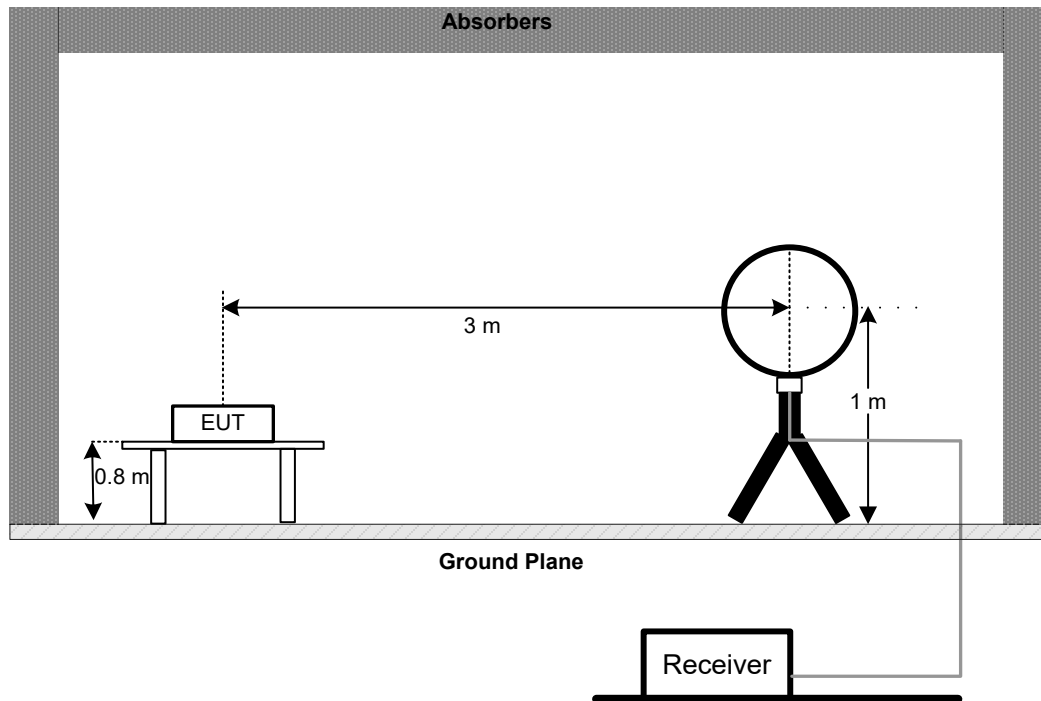
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b. The measuring distance of 3 m or 1.5m 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 0.8m 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

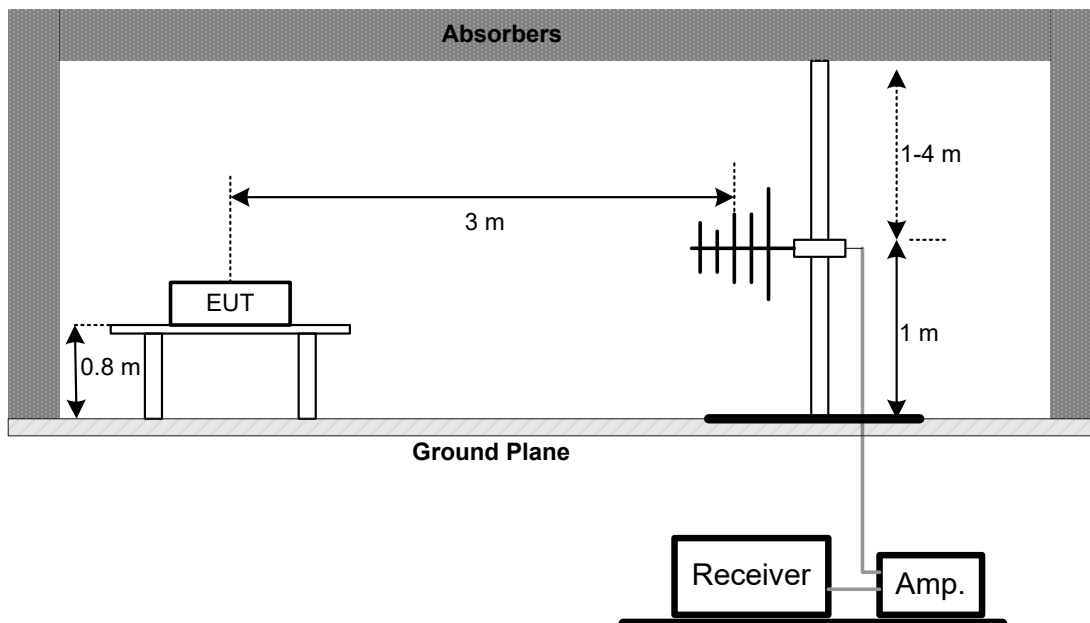
No deviation

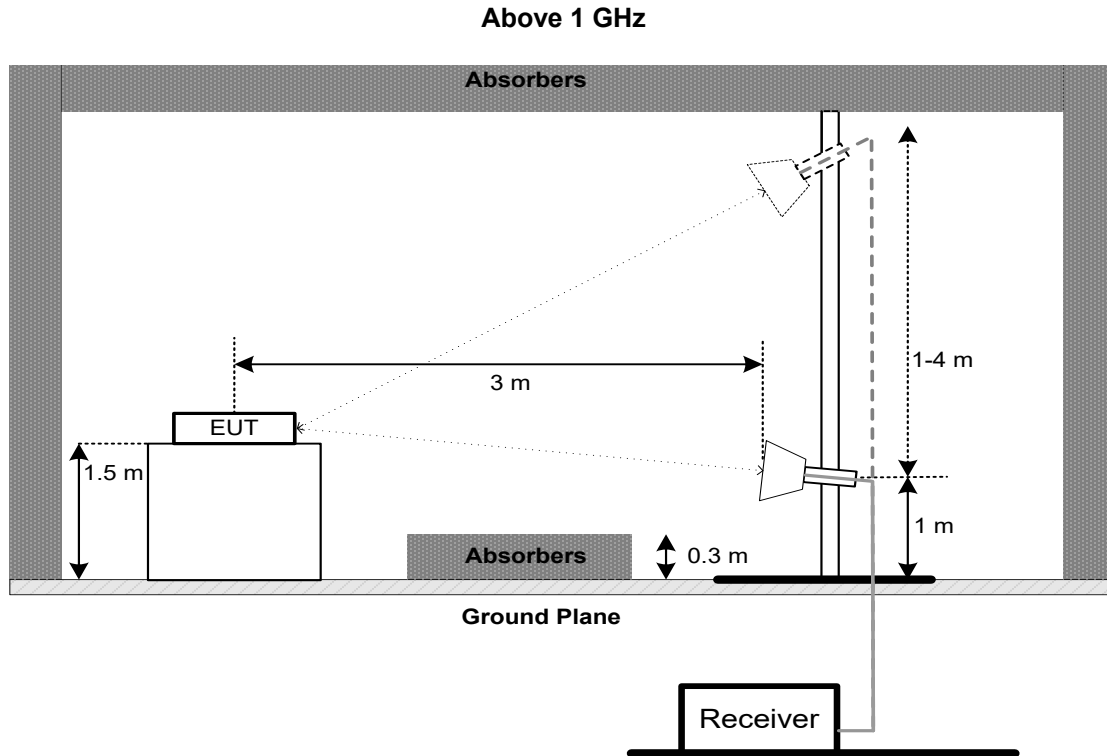
## 4.4 TEST SETUP

9 kHz-30 MHz



30 MHz to 1 GHz





#### 4.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 4.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B

Remark:

- (1) Distance extrapolation factor =  $40 \log (\text{specific distance} / \text{test distance})$  (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

#### 4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

#### 4.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

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

## 5. BANDWIDTH TEST

### 5.1 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 OUTPUT POWER TEST

### 6.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(b)(3)	Maximum 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.

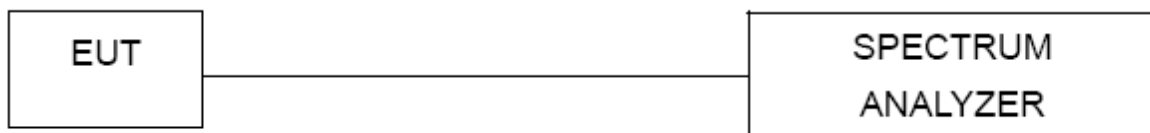
### **7.2 TEST PROCEDURE**

- 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)

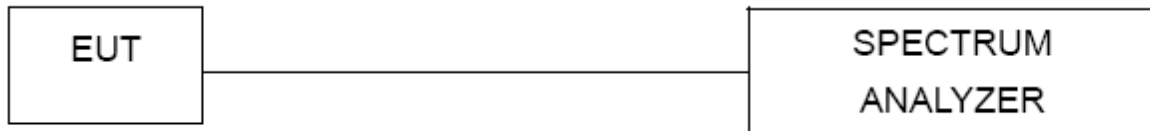
### 8.2 TEST PROCEDURE

- 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-6 000	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 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.

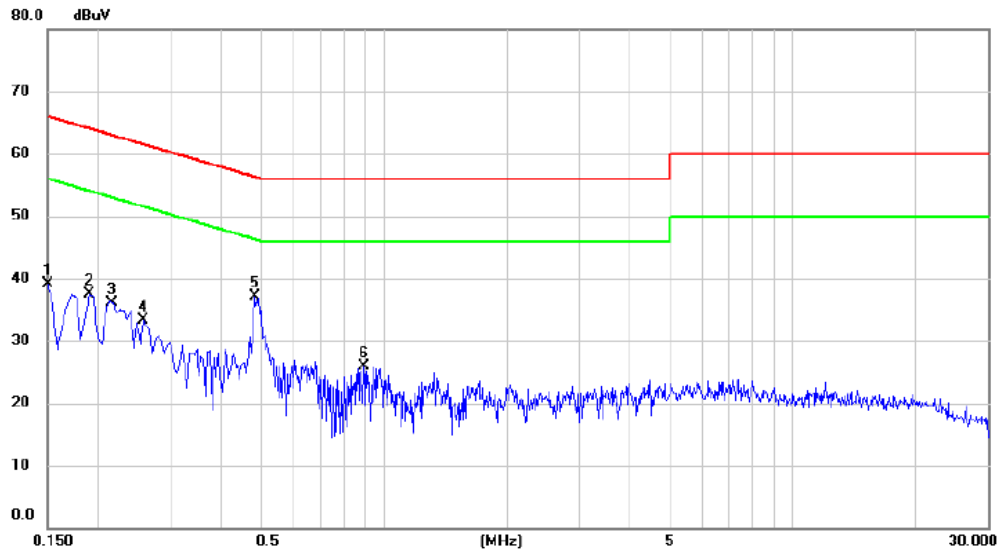
"\*" calibration period of equipment list is three year.

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

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

Test Mode: TX G Mode Channel 06

## Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	29.46	9.67	39.13	66.00	-26.87	peak	
2		0.1905	27.53	9.88	37.41	64.01	-26.60	peak	
3		0.2162	26.22	9.90	36.12	62.96	-26.84	peak	
4		0.2580	23.48	9.88	33.36	61.50	-28.14	peak	
5	*	0.4830	27.14	9.95	37.09	56.29	-19.20	peak	
6		0.8925	15.95	10.00	25.95	56.00	-30.05	peak	

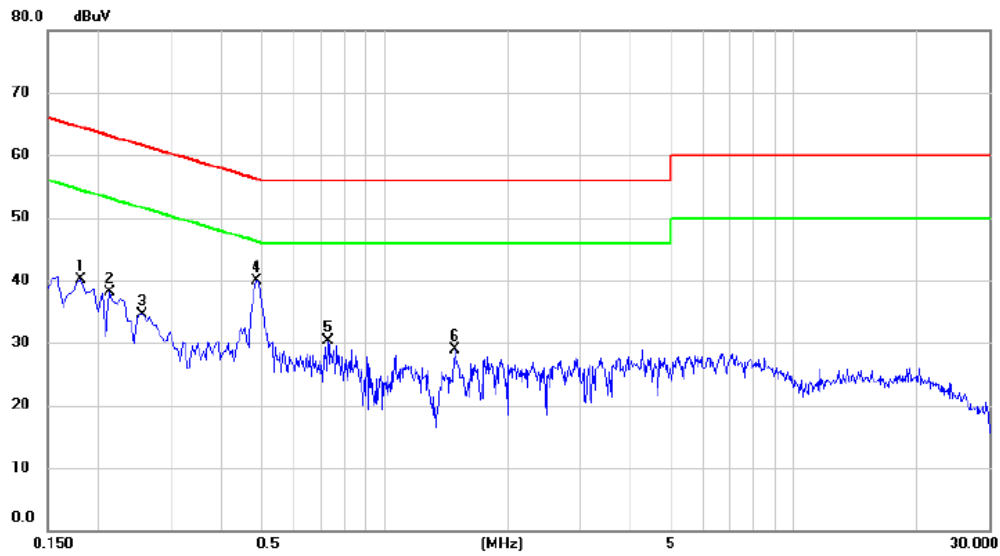
### REMARKS:

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

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

Test Mode: TX G 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	30.14	9.94	40.08	64.42	-24.34	peak	
2		0.2130	28.07	10.00	38.07	63.09	-25.02	peak	
3		0.2548	24.55	9.98	34.53	61.60	-27.07	peak	
4	*	0.4875	29.80	10.13	39.93	56.21	-16.28	peak	
5		0.7260	20.07	10.14	30.21	56.00	-25.79	peak	
6		1.4865	18.57	10.36	28.93	56.00	-27.07	peak	

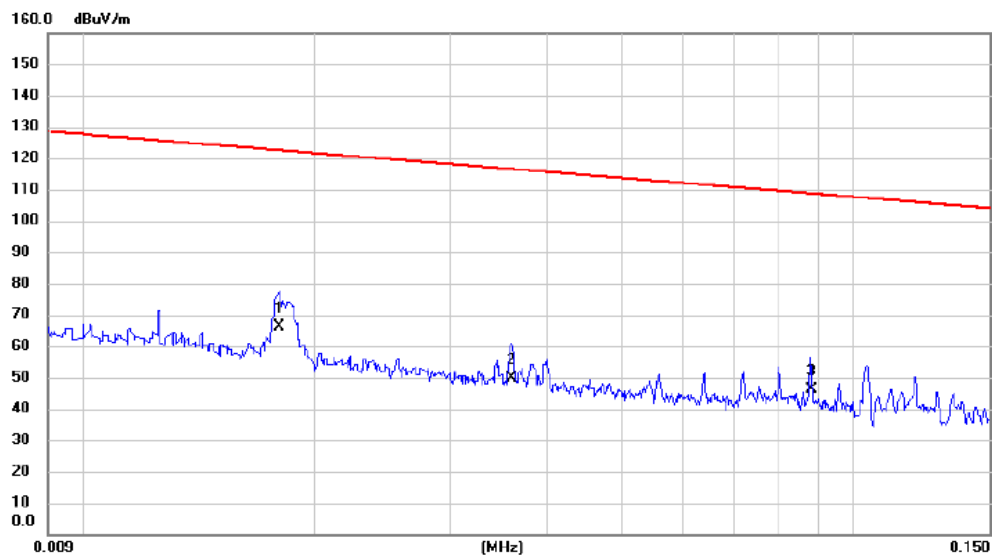
### REMARKS:

- (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 G Mode Channel 06

Ant 0°



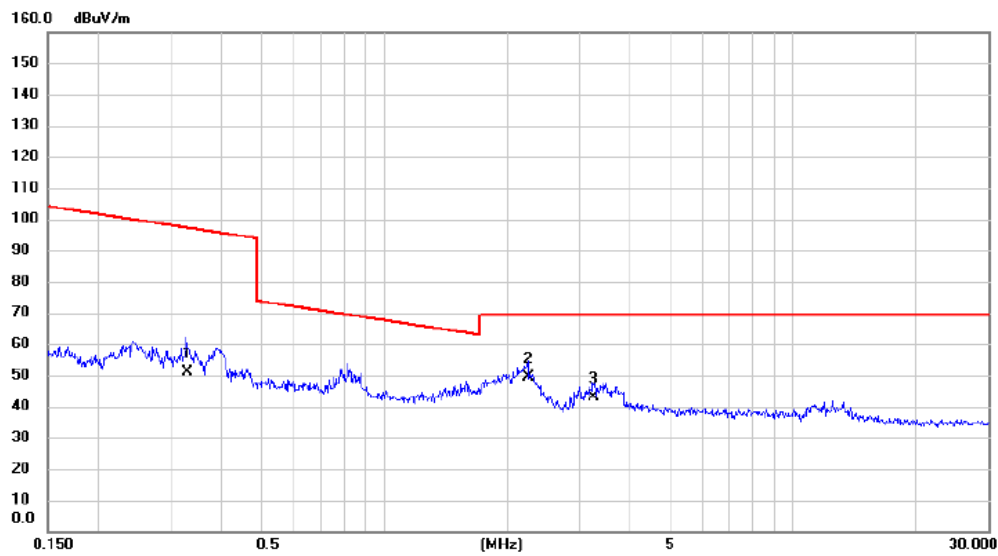
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0180	52.46	13.84	66.30	122.50	-56.20	AVG	
2		0.0360	37.15	12.79	49.94	116.48	-66.54	AVG	
3		0.0881	33.65	12.65	46.30	108.71	-62.41	AVG	

## REMARKS:

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

Test Mode: TX G Mode Channel 06

Ant 0°



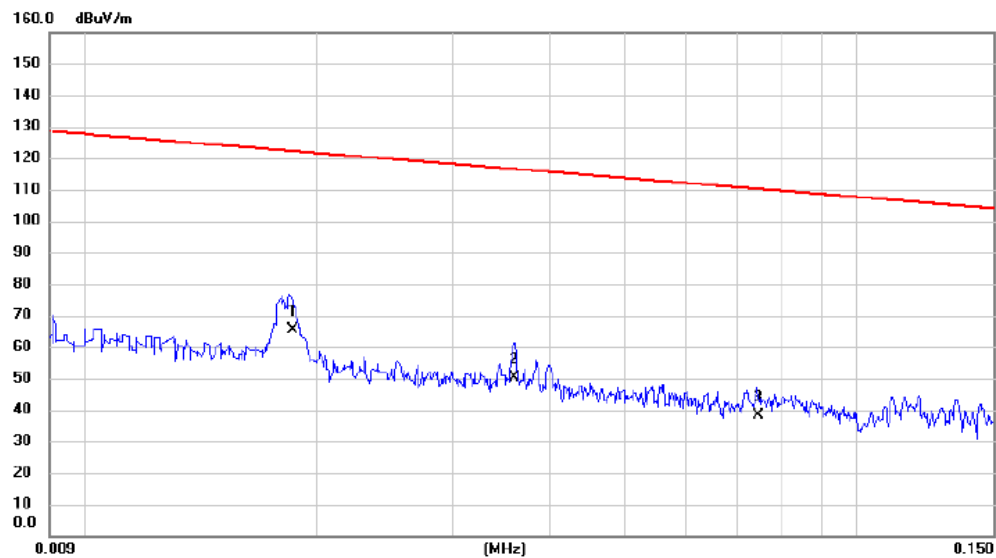
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.3286	38.58	12.44	51.02	97.27	-46.25	AVG	
2	*	2.2486	38.15	11.18	49.33	69.54	-20.21	QP	
3		3.2411	32.35	10.84	43.19	69.54	-26.35	QP	

## REMARKS:

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

Test Mode: TX G Mode Channel 06

Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0186	51.68	13.65	65.33	122.21	-56.88	AVG	
2		0.0360	37.58	12.79	50.37	116.48	-66.11	AVG	
3		0.0744	25.77	12.57	38.34	110.17	-71.83	AVG	

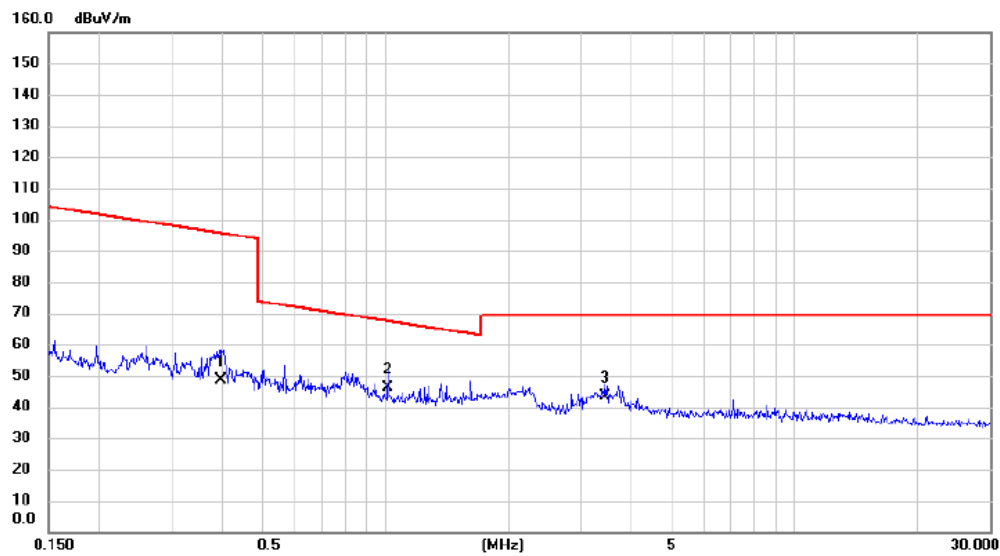
## REMARKS:

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



Test Mode: TX G 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		0.3955	36.53	12.27	48.80	95.66	-46.86	AVG	
2	*	1.0157	34.25	11.79	46.04	67.47	-21.43	QP	
3		3.4538	32.53	10.87	43.40	69.54	-26.14	QP	

## REMARKS:

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

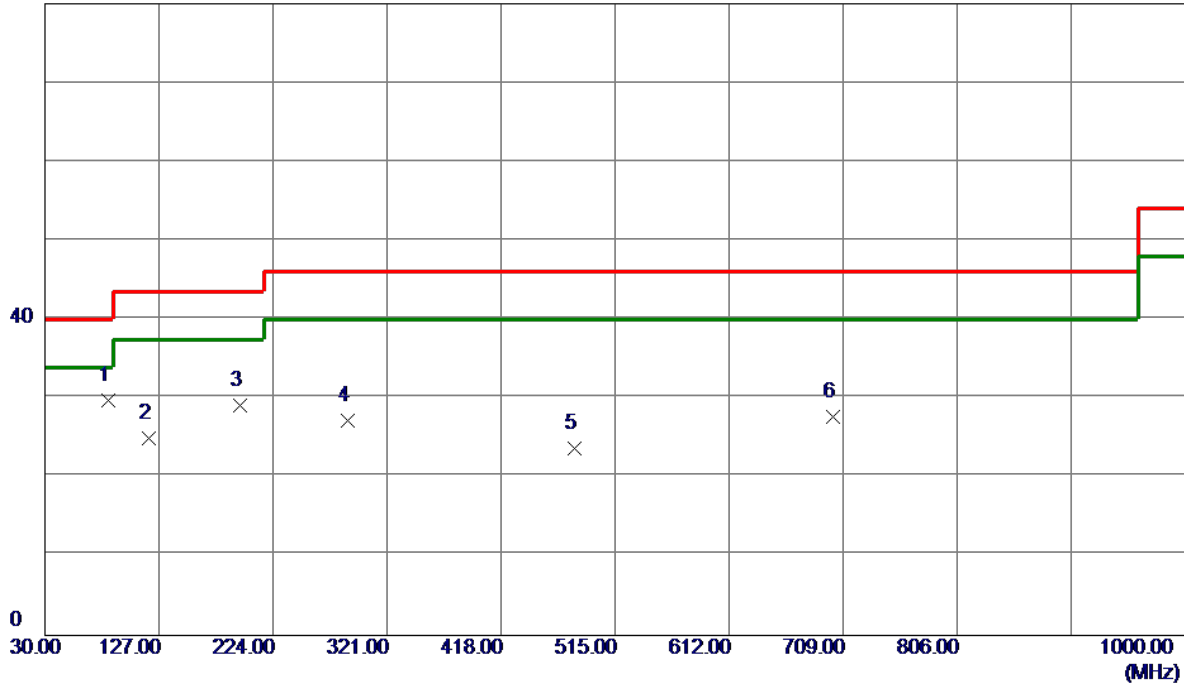
(2) Margin Level = Measurement Value - Limit Value.

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

Test Mode: TX G Mode Channel 06

## 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 *	84.3200	46.58	-16.89	29.69	40.00	-10.31	Peak	
2	118.2700	37.96	-13.00	24.96	43.50	-18.54	Peak	
3	195.8700	43.63	-14.51	29.12	43.50	-14.38	Peak	
4	288.0200	38.87	-11.62	27.25	46.00	-18.75	Peak	
5	480.0800	31.10	-7.41	23.69	46.00	-22.31	Peak	
6	700.2700	31.20	-3.58	27.62	46.00	-18.38	Peak	

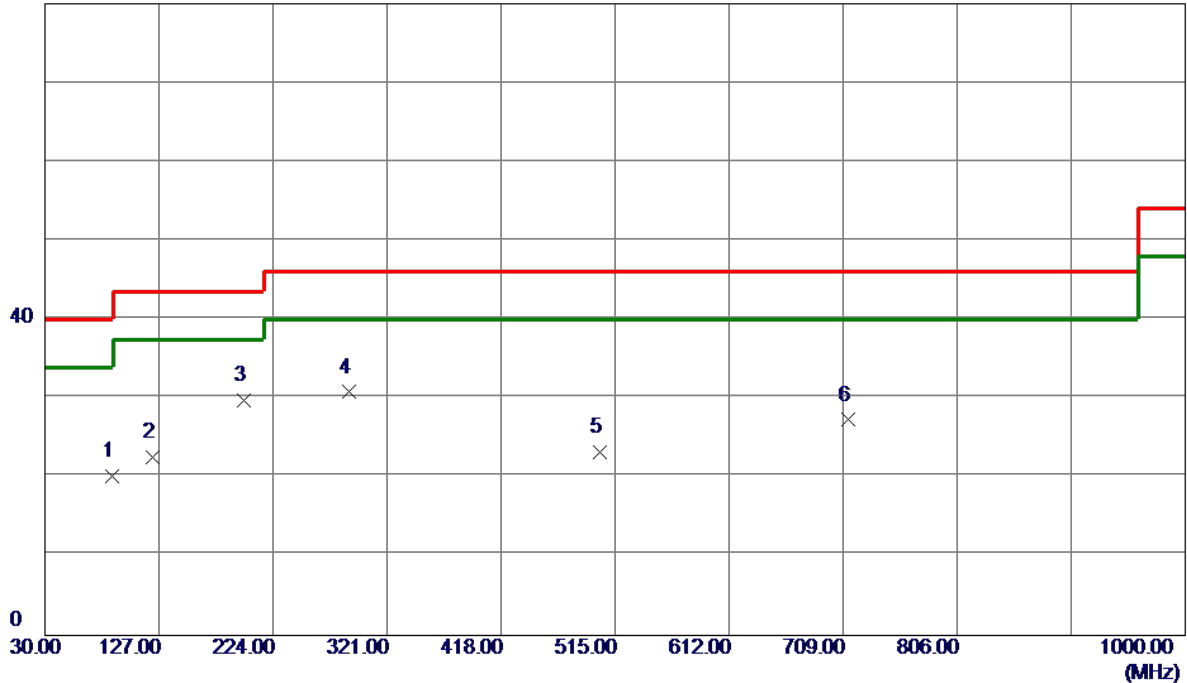
### REMARKS:

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

Test Mode: TX G Mode Channel 06

## Horizontal

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	87.2300	36.42	-16.29	20.13	40.00	-19.87	Peak	
2	121.1800	35.32	-12.74	22.58	43.50	-20.92	Peak	
3 *	198.7800	44.45	-14.72	29.73	43.50	-13.77	Peak	
4	288.9900	42.35	-11.55	30.80	46.00	-15.20	Peak	
5	502.3900	30.43	-7.24	23.19	46.00	-22.81	Peak	
6	712.8800	30.76	-3.48	27.28	46.00	-18.72	Peak	

### REMARKS:

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

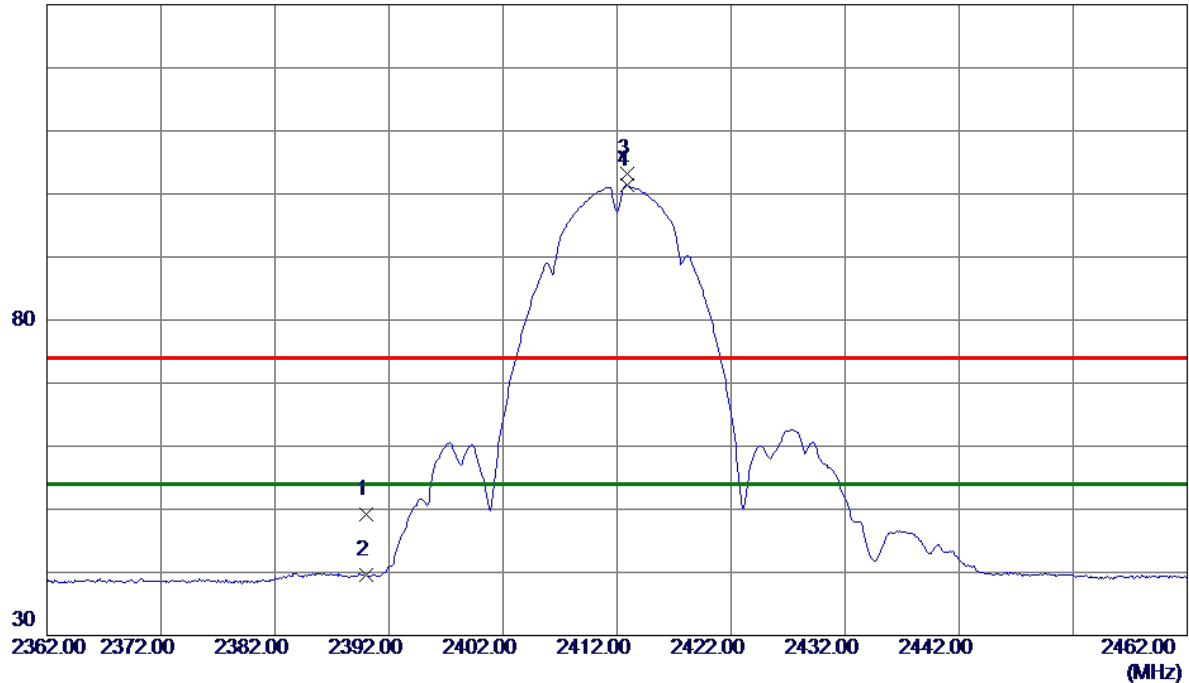
(2) Margin Level = Measurement Value - Limit Value.

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

Test Mode: TX B Mode 2412 MHz

## Vertical

130 dBuV/m



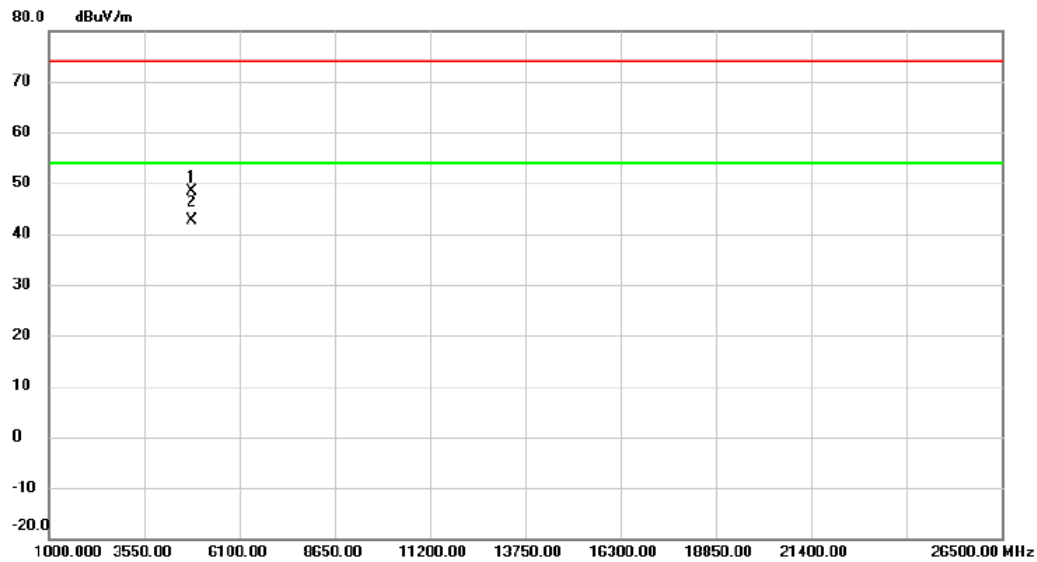
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	40.96	8.29	49.25	74.00	-24.75	Peak	
2	2390.0000	31.29	8.29	39.58	54.00	-14.42	AVG	
3	2412.9000	94.80	8.31	103.11	74.00	29.11	Peak	No Limit
4 *	2412.9000	93.11	8.31	101.42	54.00	47.42	AVG	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.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4823.941	43.13	5.32	48.45	74.00	-25.55	peak	
2	*	4824.004	37.23	5.32	42.55	54.00	-11.45	AVG	

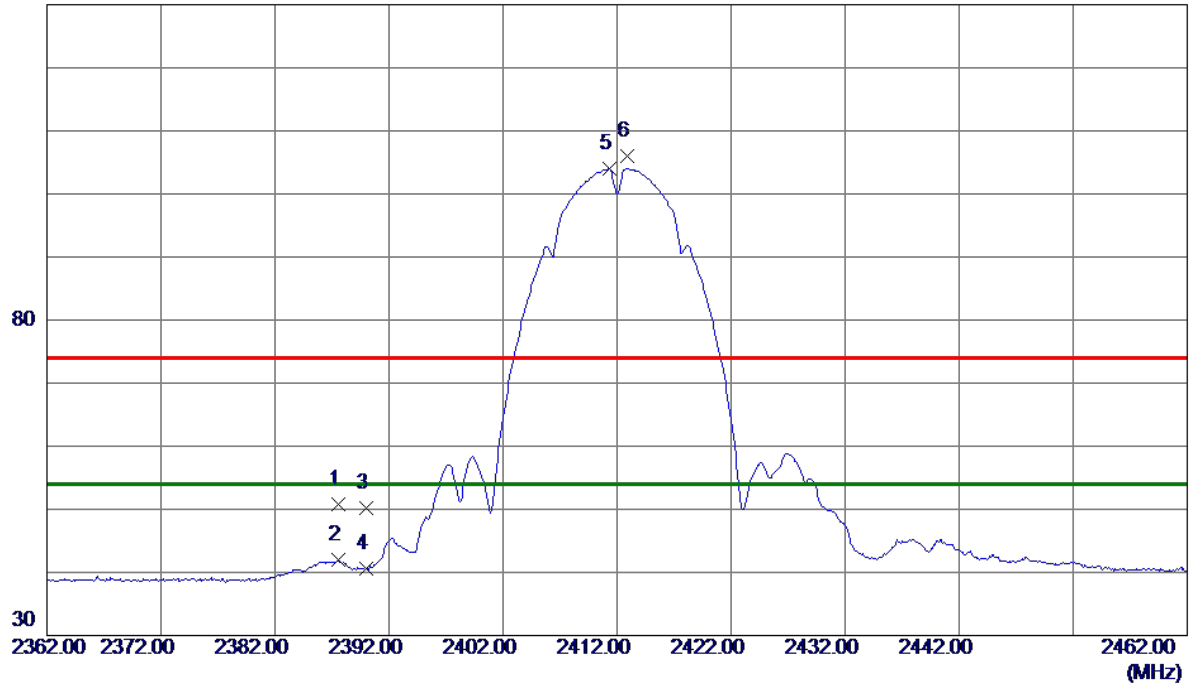
### REMARKS:

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

Test Mode: TX B Mode 2412 MHz

## Horizontal

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	2387.6000	42.45	8.28	50.73	74.00	-23.27	Peak	
2	2387.6000	33.72	8.28	42.00	54.00	-12.00	AVG	
3	2390.0000	42.00	8.29	50.29	74.00	-23.71	Peak	
4	2390.0000	32.34	8.29	40.63	54.00	-13.37	AVG	
5 *	2411.3000	95.69	8.31	104.00	54.00	50.00	AVG	No Limit
6	2412.9000	97.70	8.31	106.01	74.00	32.01	Peak	No Limit

### REMARKS:

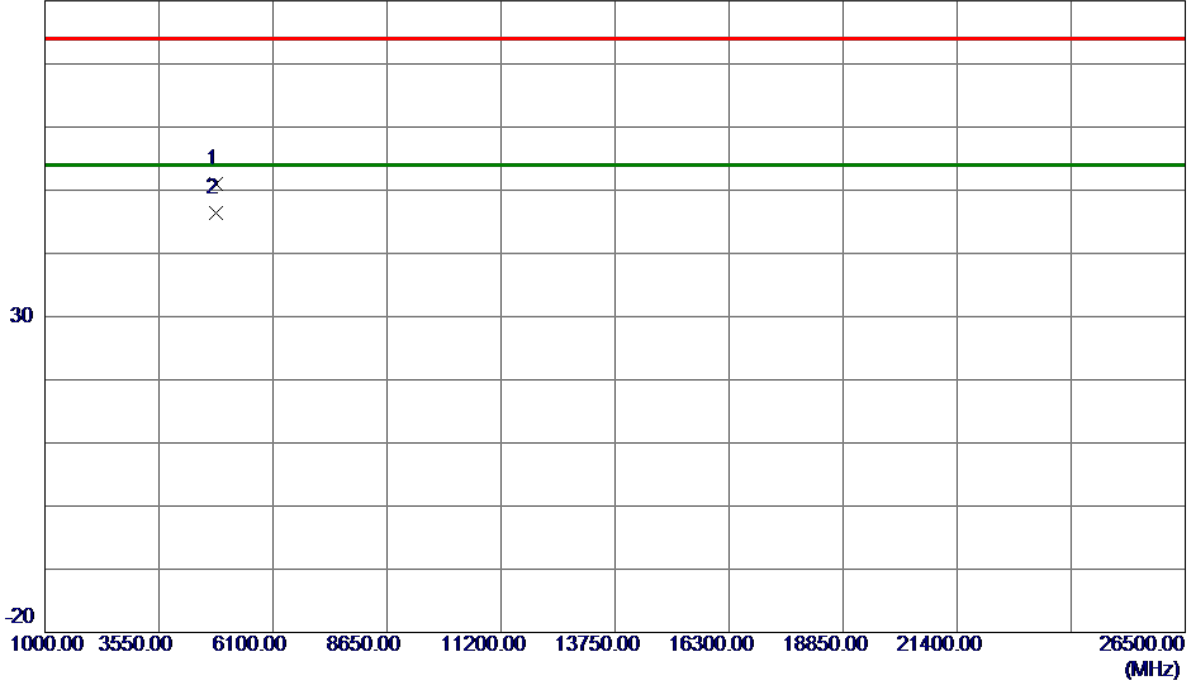
- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.



Test Mode:	TX B Mode 2412 MHz
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## Horizontal

80 dBuV/m



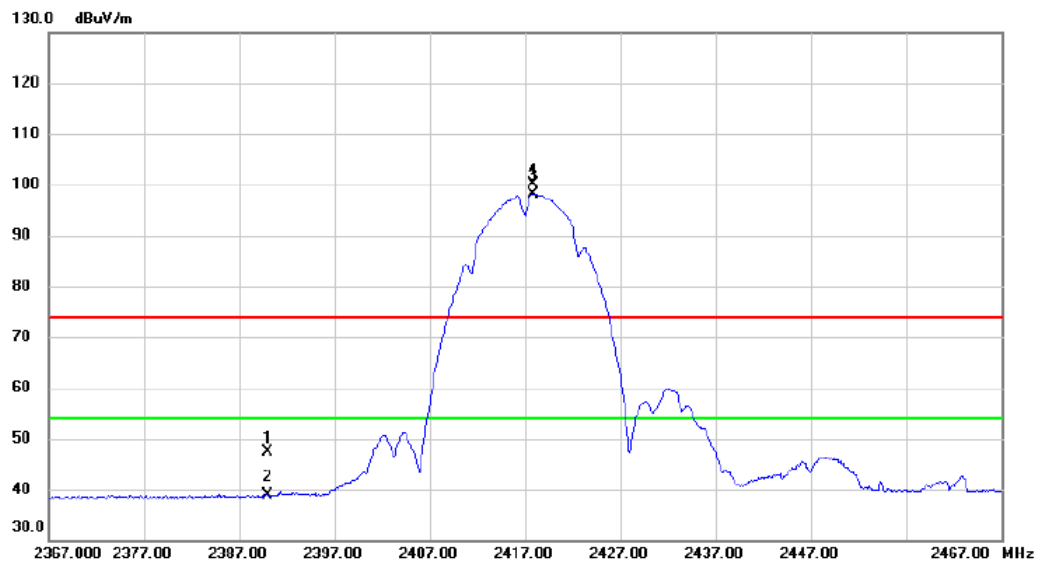
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.9380	45.75	5.32	51.07	74.00	-22.93	Peak	
2 *	4824.0190	41.02	5.32	46.34	54.00	-7.66	AVG	

### REMARKS:

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

Test Mode: TX B Mode 2417 MHz

## Vertical



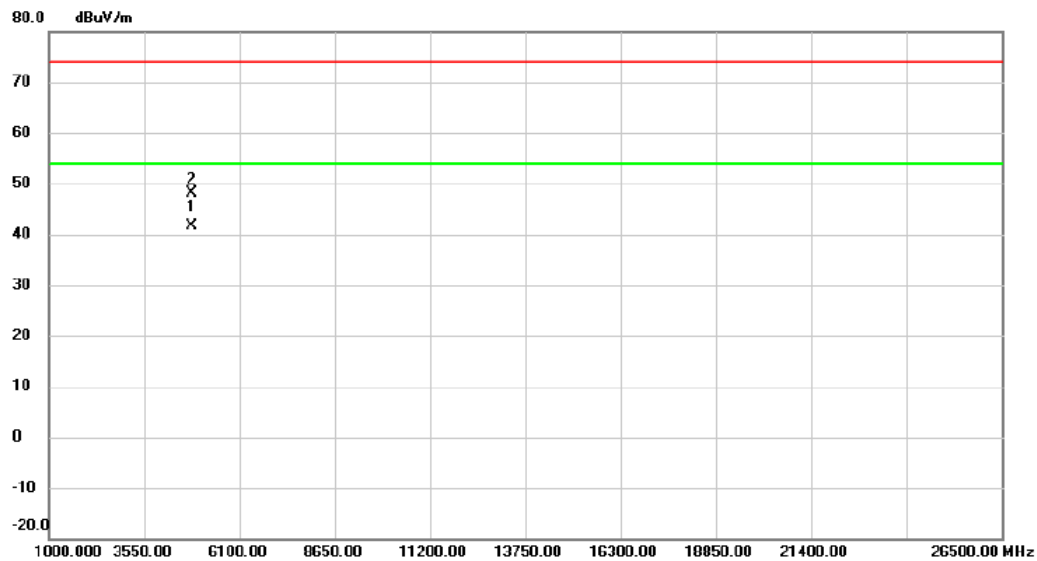
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	39.19	8.29	47.48	74.00	-26.52	peak	
2		2390.000	30.52	8.29	38.81	54.00	-15.19	AVG	
3	*	2417.800	89.82	8.32	98.14	54.00	44.14	AVG	No Limit
4	X	2417.900	91.81	8.32	100.13	74.00	26.13	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
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## Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4833.966	36.28	5.35	41.63	54.00	-12.37	AVG	
2		4834.330	42.83	5.36	48.19	74.00	-25.81	peak	

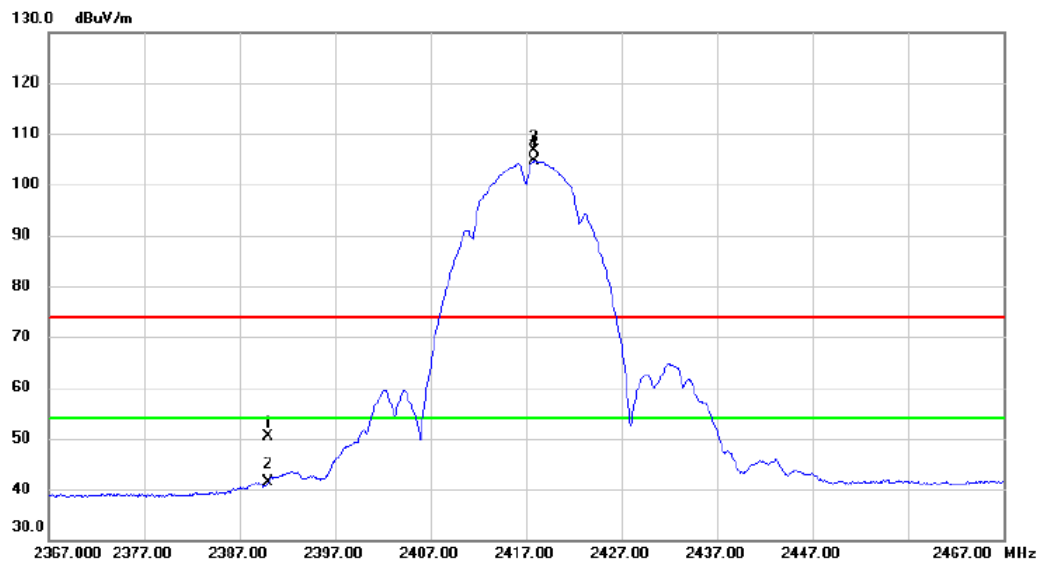
### REMARKS:

(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	42.20	8.29	50.49	74.00	-23.51	peak	
2		2390.000	33.11	8.29	41.40	54.00	-12.60	AVG	
3	X	2417.900	98.19	8.32	106.51	74.00	32.51	peak	No Limit
4	*	2417.900	96.23	8.32	104.55	54.00	50.55	AVG	No Limit

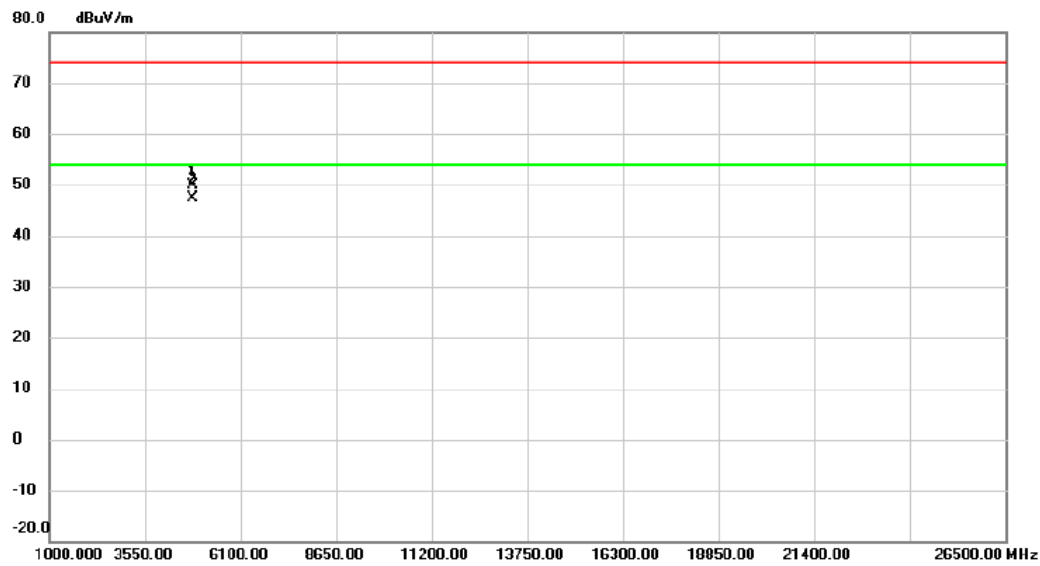
### REMARKS:

(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.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4833.590	44.55	5.35	49.90	74.00	-24.10	peak	
2	*	4833.985	41.95	5.35	47.30	54.00	-6.70	AVG	

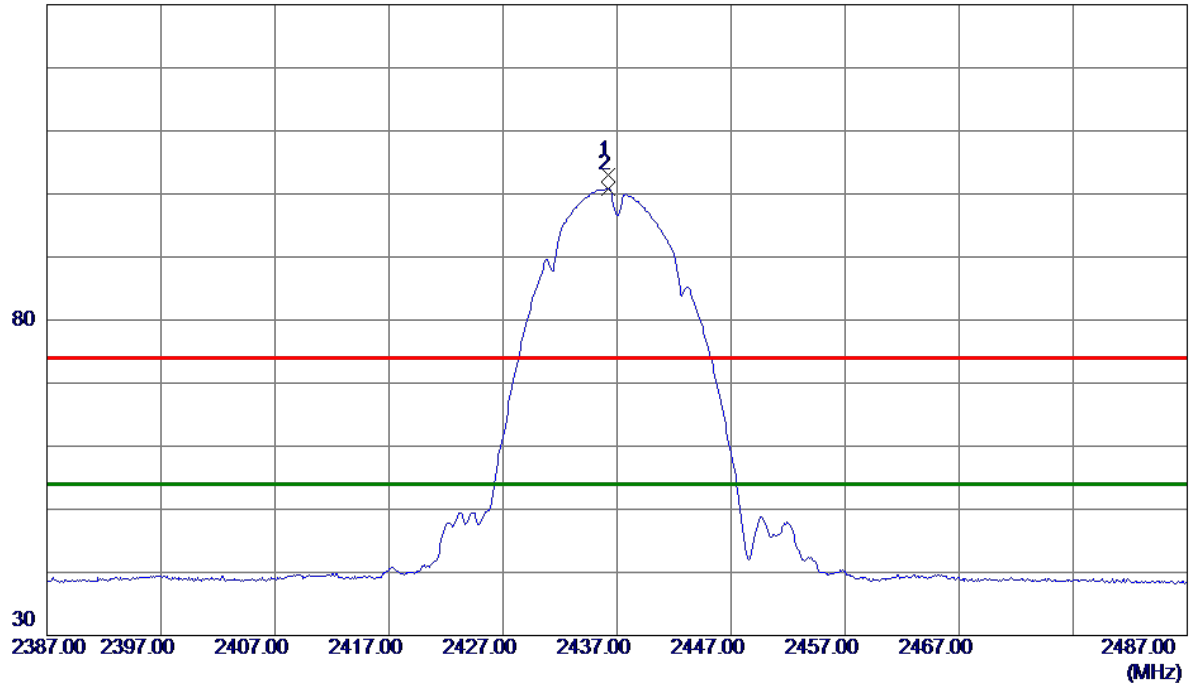
### REMARKS:

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

Test Mode: TX B Mode 2437 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	2436.2000	94.57	8.34	102.91	74.00	28.91	Peak	No Limit
2 *	2436.2000	92.47	8.34	100.81	54.00	46.81	AVG	No Limit

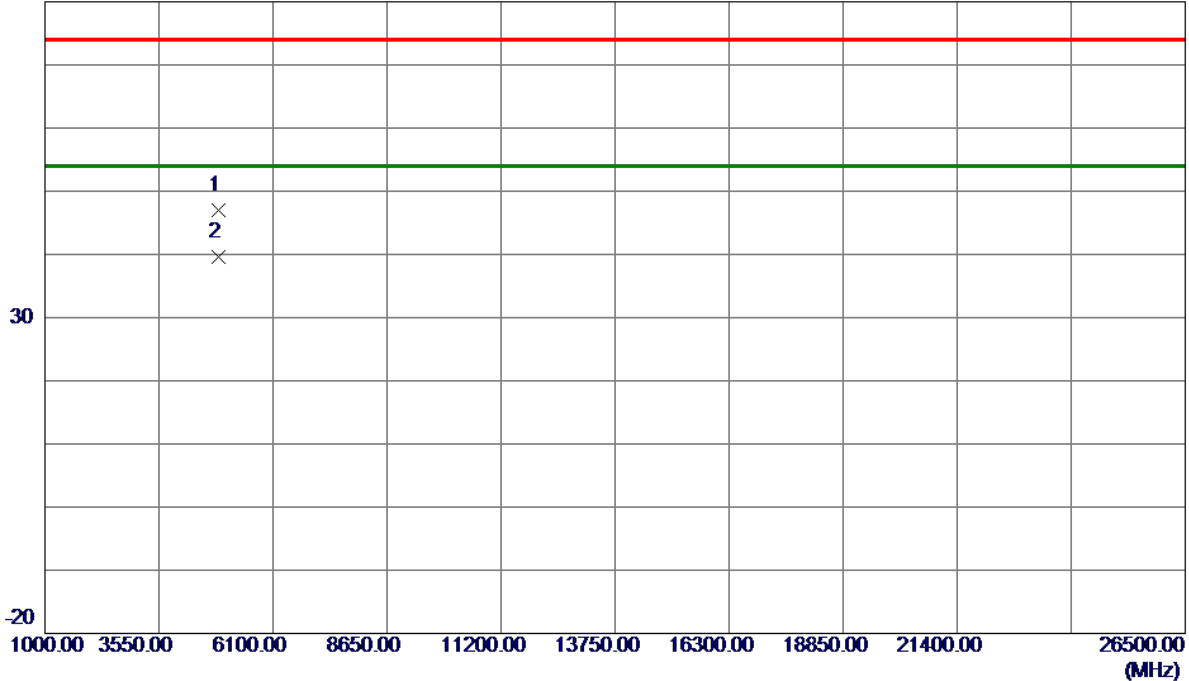
### REMARKS:

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

Test Mode: TX B Mode 2437 MHz

## Vertical

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	4873.8889	41.57	5.46	47.03	74.00	-26.97	Peak	
2 *	4873.9110	34.17	5.46	39.63	54.00	-14.37	AVG	

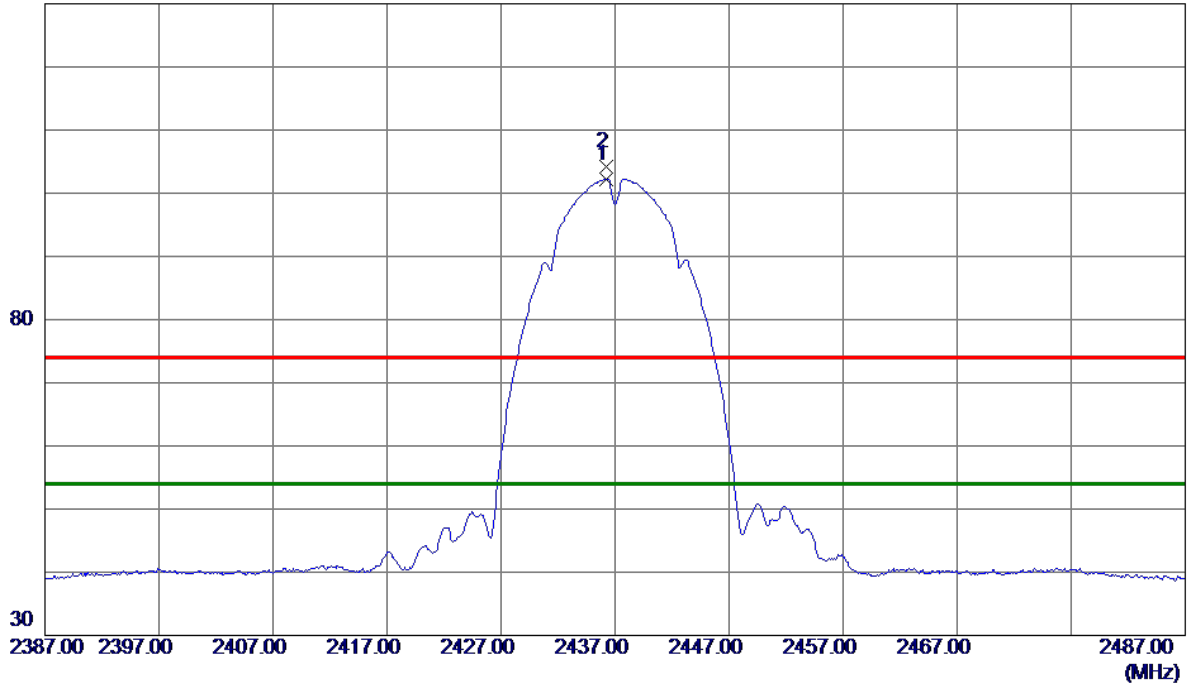
### REMARKS:

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

Test Mode: TX B Mode 2437 MHz

## Horizontal

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	2436.2000	93.94	8.34	102.28	74.00	28.28	Peak	No Limit
2 *	2436.2000	95.84	8.34	104.18	54.00	50.18	AVG	No Limit

### REMARKS:

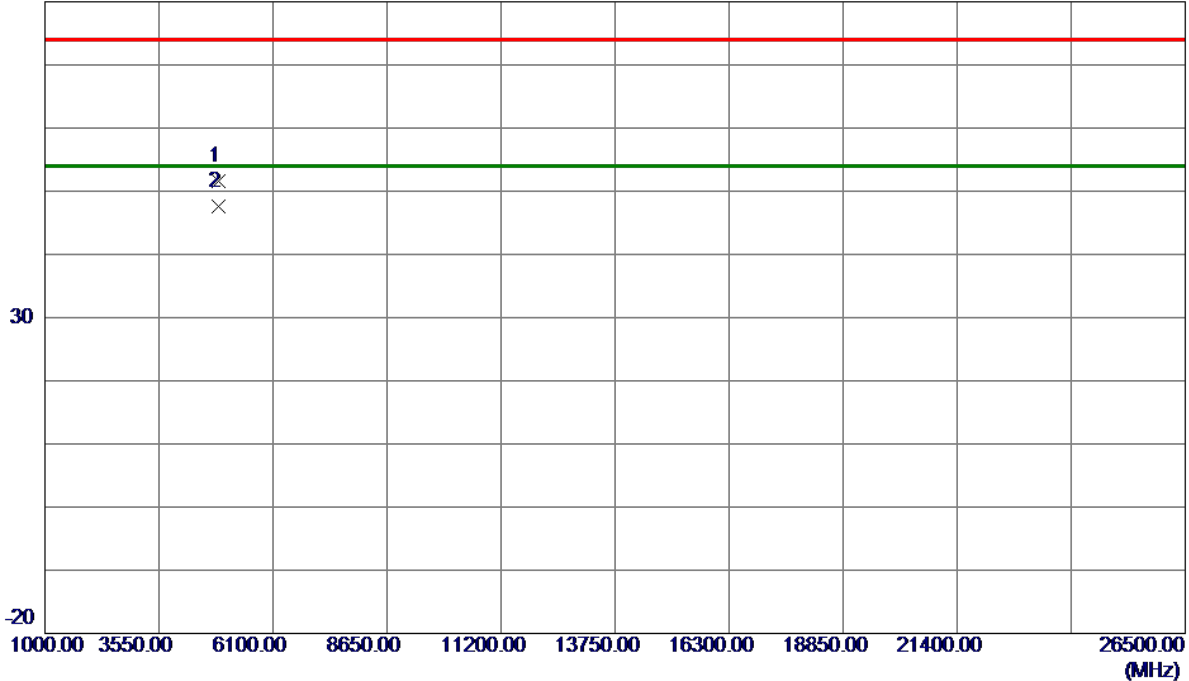
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.



Test Mode: TX B Mode 2437 MHz

## Horizontal

80 dBuV/m



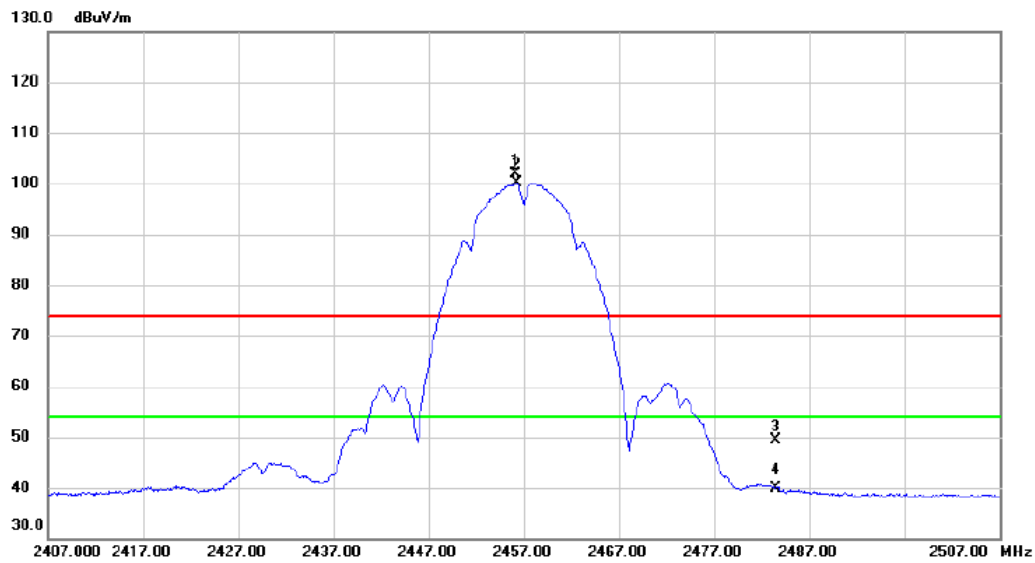
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.9580	46.21	5.46	51.67	74.00	-22.33	Peak	
2 *	4874.0139	42.12	5.46	47.58	54.00	-6.42	AVG	

### REMARKS:

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

Test Mode: TX B Mode 2457 MHz

## Vertical



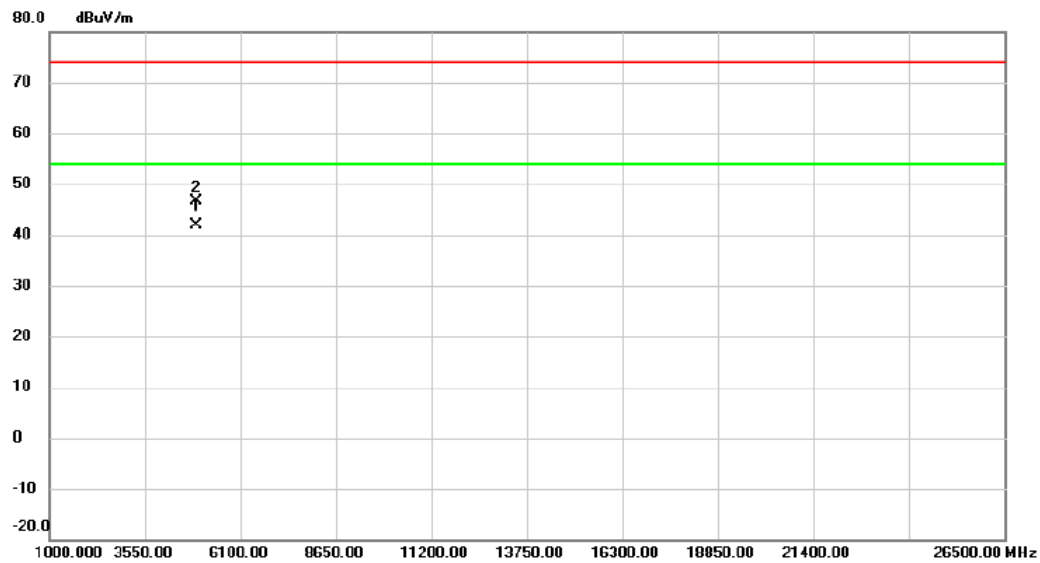
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2456.100	93.63	8.36	101.99	74.00	27.99	peak	No Limit
2	*	2456.300	91.76	8.36	100.12	54.00	46.12	AVG	No Limit
3		2483.500	41.04	8.39	49.43	74.00	-24.57	peak	
4		2483.500	31.48	8.39	39.87	54.00	-14.13	AVG	

### REMARKS:

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

Test Mode: TX B Mode 2457 MHz

## Vertical



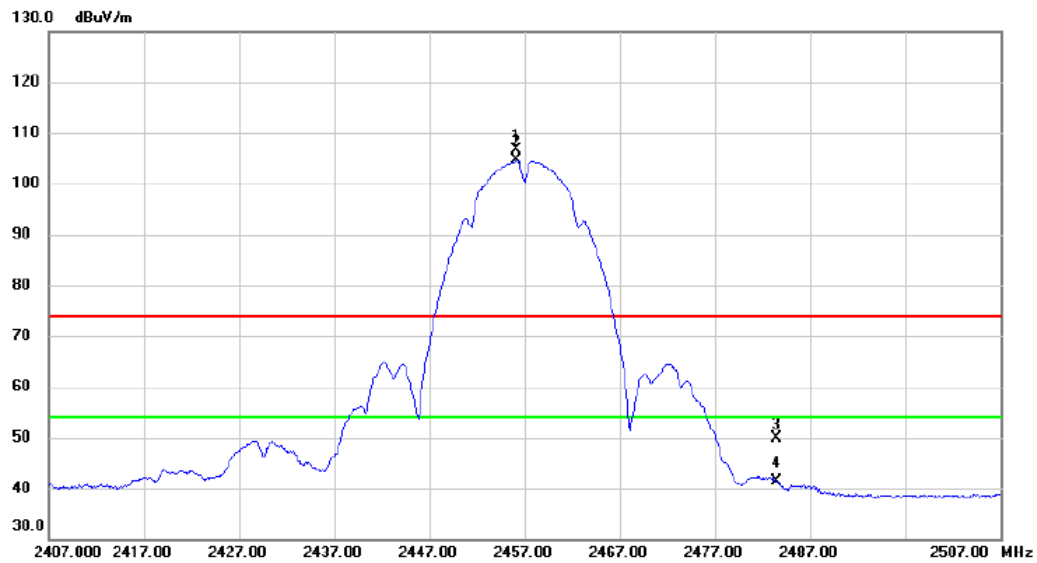
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4914.003	36.43	5.56	41.99	54.00	-12.01	AVG	
2		4914.012	41.19	5.56	46.75	74.00	-27.25	peak	

### REMARKS:

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

Test Mode: TX B Mode 2457 MHz

## Horizontal



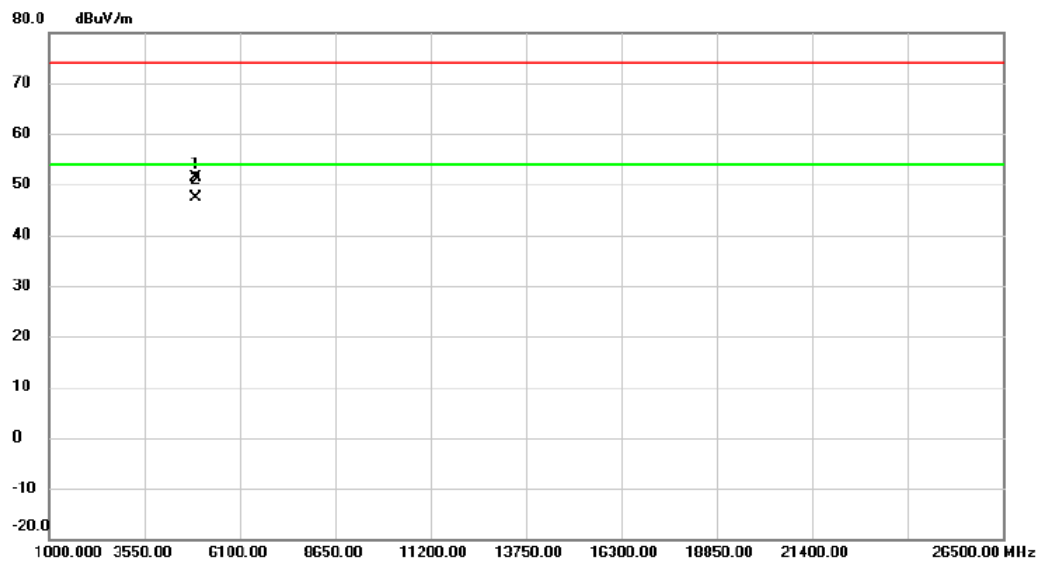
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2456.200	98.28	8.36	106.64	74.00	32.64	peak	No Limit
2	*	2456.200	96.21	8.36	104.57	54.00	50.57	AVG	No Limit
3		2483.500	41.50	8.39	49.89	74.00	-24.11	peak	
4		2483.500	33.11	8.39	41.50	54.00	-12.50	AVG	

### REMARKS:

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

Test Mode: TX B Mode 2457 MHz

## Horizontal



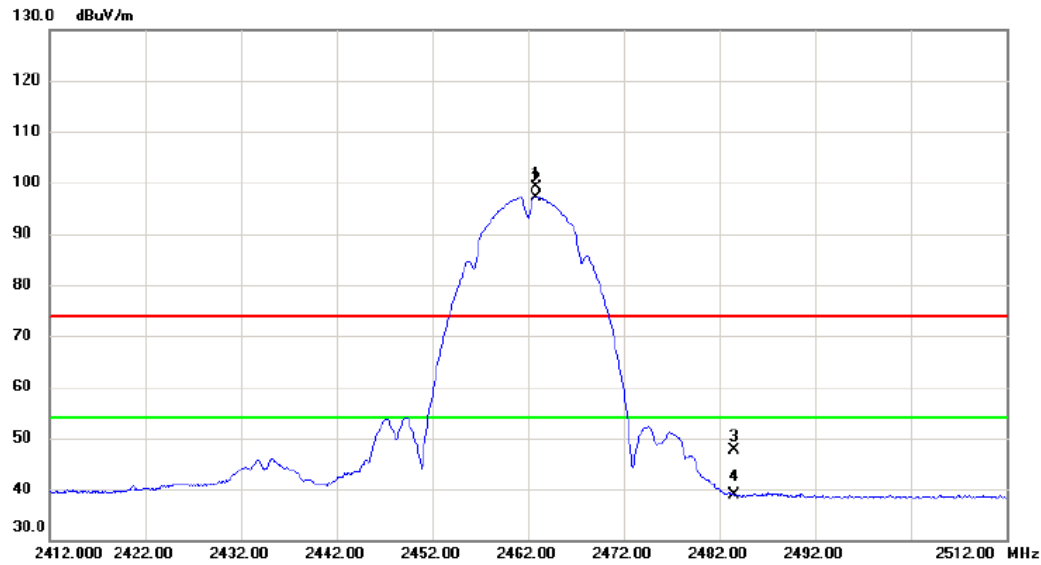
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4913.988	45.77	5.56	51.33	74.00	-22.67	peak	
2	*	4913.997	41.76	5.56	47.32	54.00	-6.68	AVG	

### REMARKS:

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

Test Mode: TX B Mode 2462 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	2462.900	90.67	8.37	99.04	74.00	25.04	peak	No Limit
2	*	2462.900	88.85	8.37	97.22	54.00	43.22	AVG	No Limit
3		2483.500	39.17	8.39	47.56	74.00	-26.44	peak	
4		2483.500	30.56	8.39	38.95	54.00	-15.05	AVG	

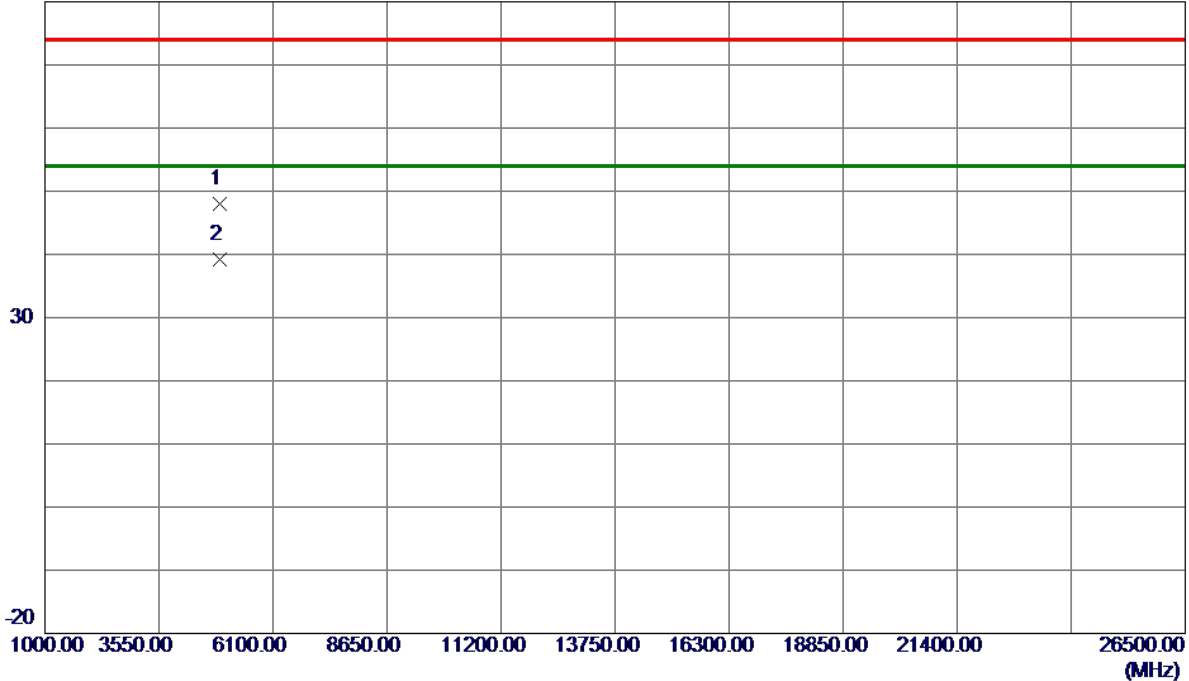
### REMARKS:

- (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	4923.9220	42.34	5.59	47.93	74.00	-26.07	Peak	
2 *	4924.0030	33.70	5.59	39.29	54.00	-14.71	AVG	

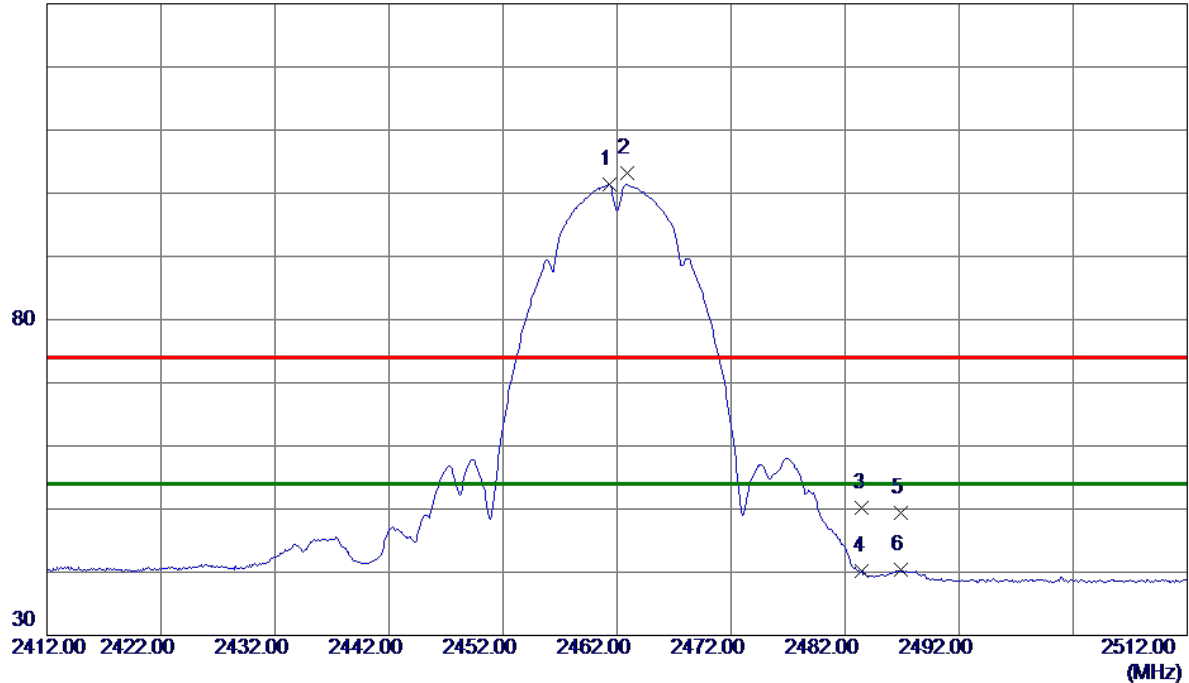
### REMARKS:

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

Test Mode: TX B Mode 2462 MHz

## Horizontal

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 *	2461.3000	93.01	8.36	101.37	54.00	47.37	AVG	No Limit
2	2462.9000	94.78	8.37	103.15	74.00	29.15	Peak	No Limit
3	2483.5000	41.83	8.39	50.22	74.00	-23.78	Peak	
4	2483.5000	31.73	8.39	40.12	54.00	-13.88	AVG	
5	2486.9000	41.10	8.39	49.49	74.00	-24.51	Peak	
6	2486.9000	31.93	8.39	40.32	54.00	-13.68	AVG	

### REMARKS:

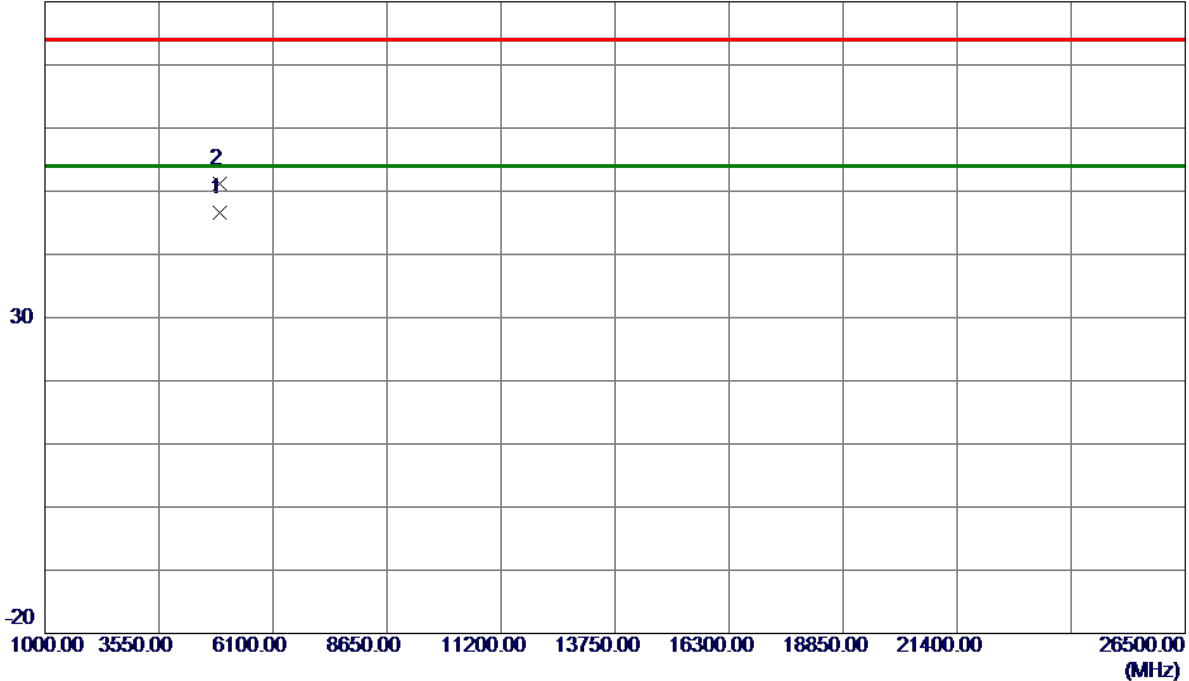
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.



Test Mode: TX B Mode 2462 MHz

## Horizontal

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 *	4924.0400	41.00	5.59	46.59	54.00	-7.41	AVG	
2	4924.0880	45.52	5.59	51.11	74.00	-22.89	Peak	

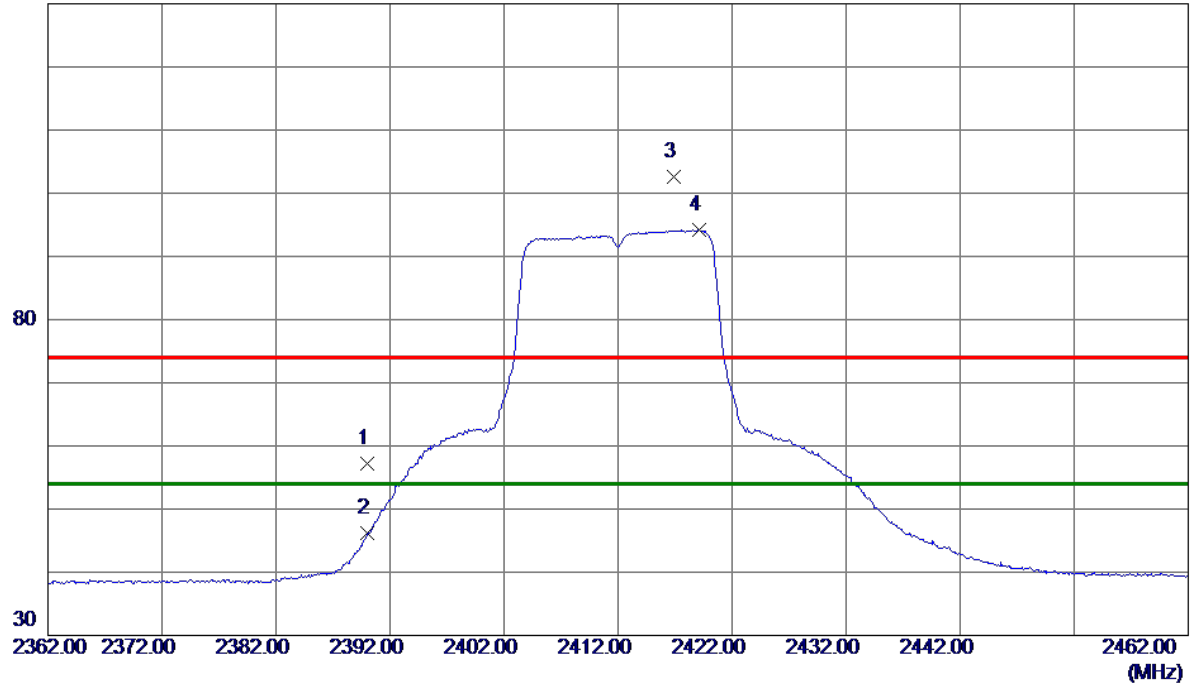
### REMARKS:

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

Test Mode: TX G 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	48.89	8.29	57.18	74.00	-16.82	Peak	
2	2390.0000	37.87	8.29	46.16	54.00	-7.84	AVG	
3	2416.9000	94.27	8.32	102.59	74.00	28.59	Peak	No Limit
4 *	2419.1000	85.86	8.32	94.18	54.00	40.18	AVG	No Limit

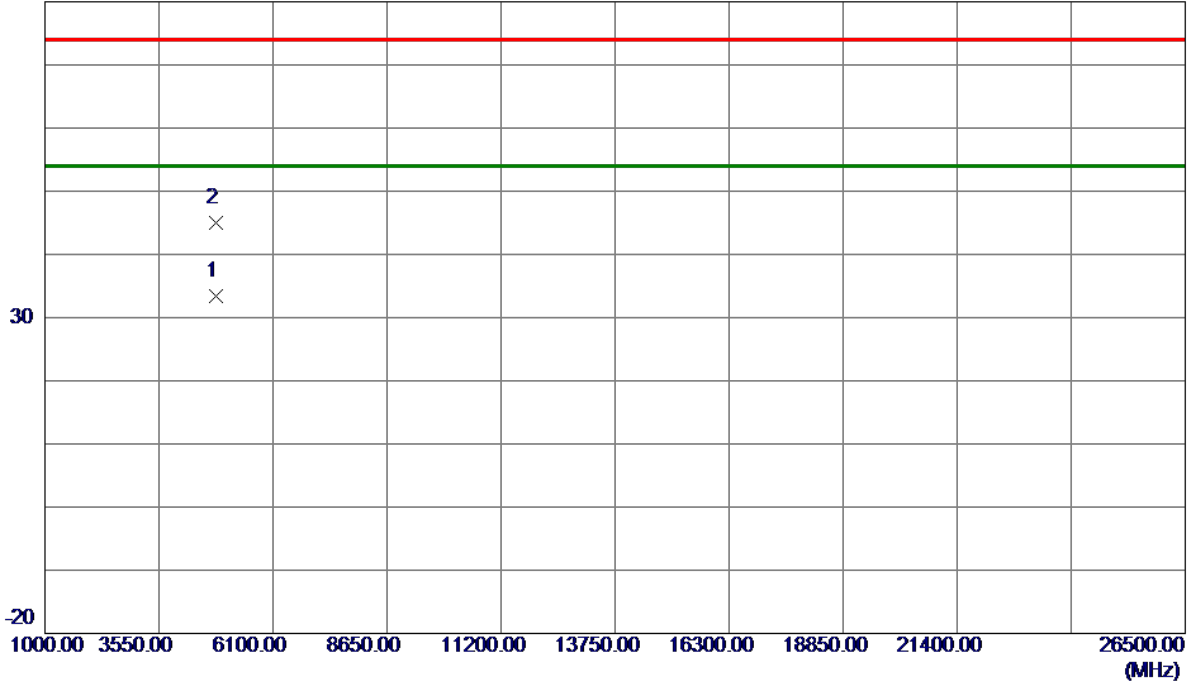
### REMARKS:

- (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 *	4823.4280	28.02	5.32	33.34	54.00	-20.66	AVG	
2	4824.5080	39.68	5.32	45.00	74.00	-29.00	Peak	

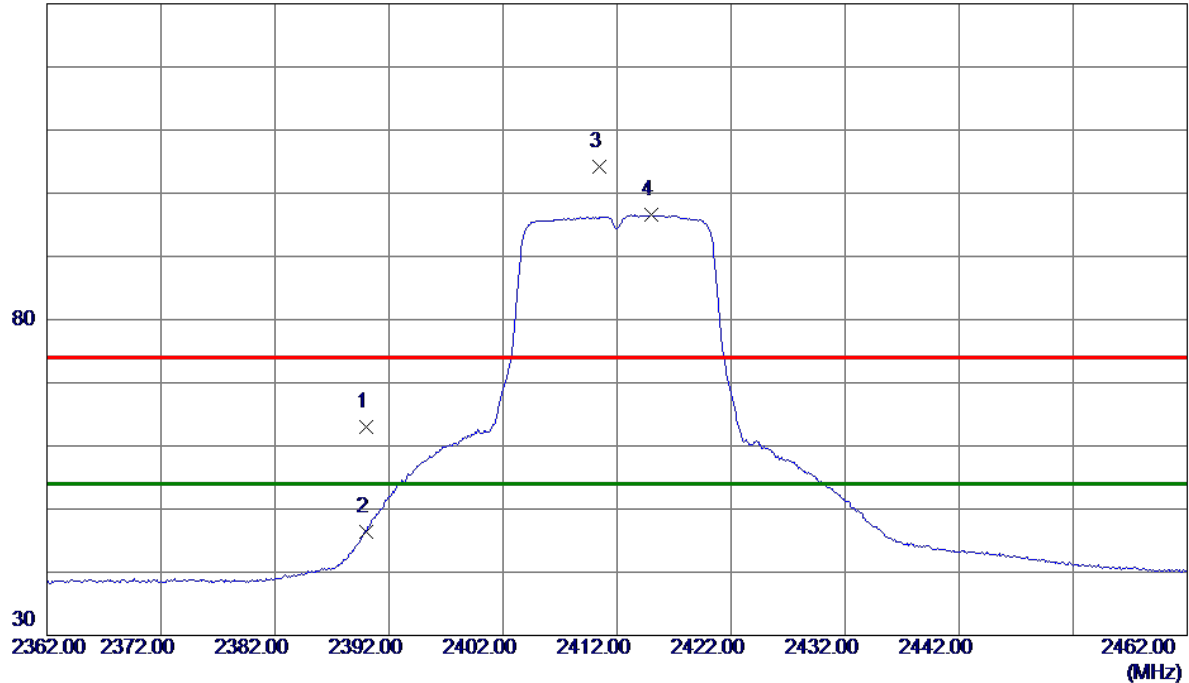
### REMARKS:

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

Test Mode: TX G Mode 2412 MHz

## Horizontal

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	54.64	8.29	62.93	74.00	-11.07	Peak	
2	2390.0000	38.16	8.29	46.45	54.00	-7.55	AVG	
3	2410.4000	95.81	8.31	104.12	74.00	30.12	Peak	No Limit
4 *	2415.0000	88.21	8.31	96.52	54.00	42.52	AVG	No Limit

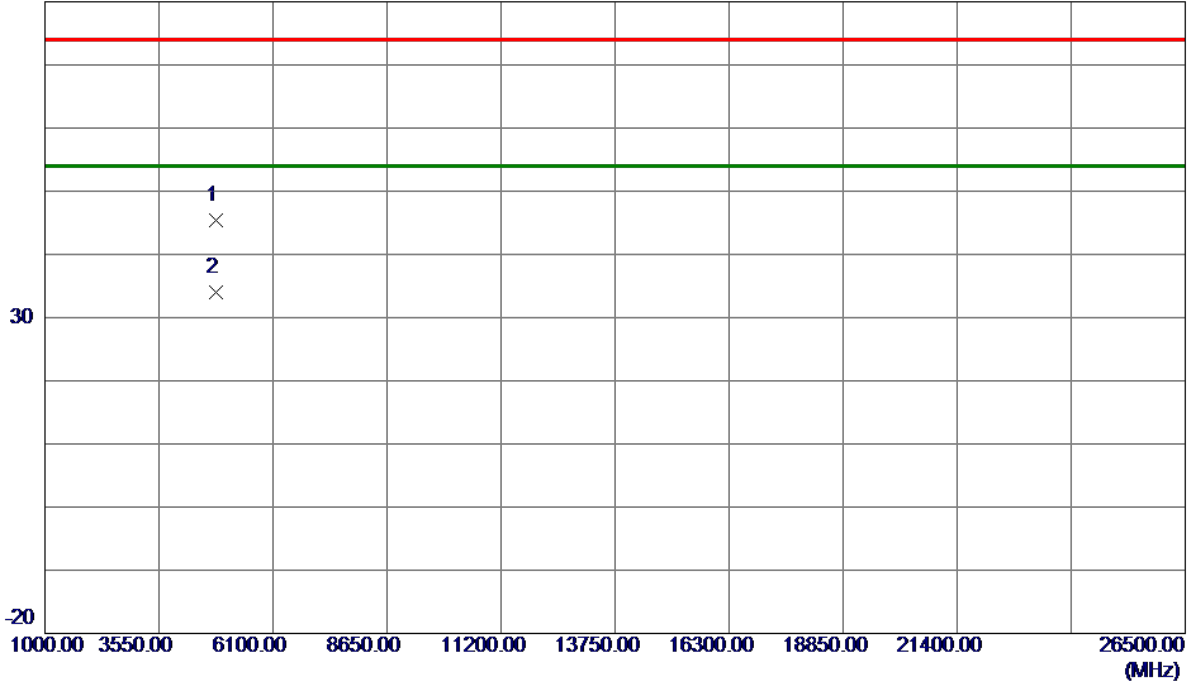
### REMARKS:

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

Test Mode: TX G Mode 2412 MHz

## Horizontal

80 dBuV/m



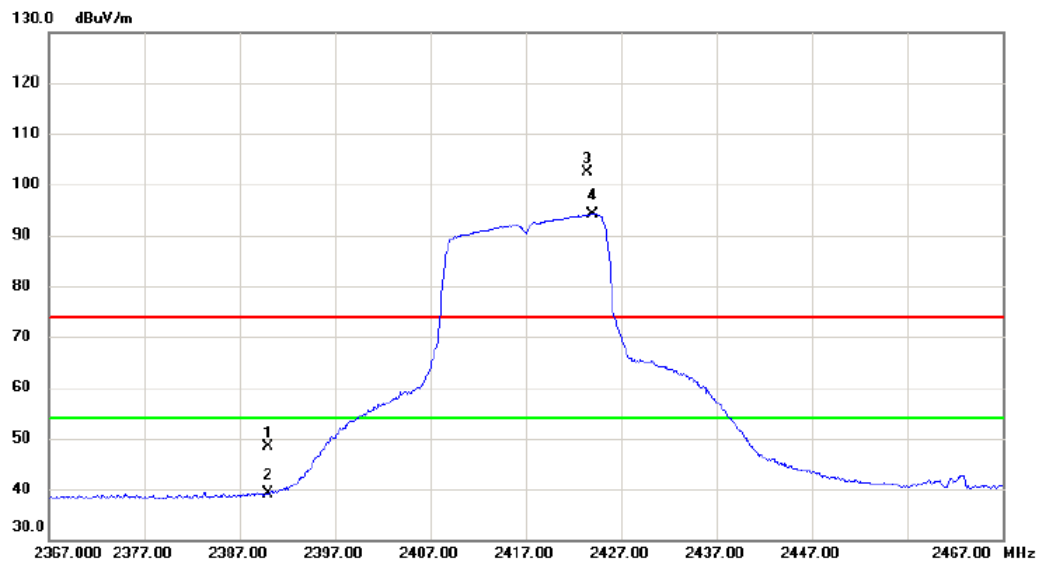
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4823.8360	40.10	5.32	45.42	54.00	-8.58	AVG	
2	4824.4410	28.77	5.32	34.09	74.00	-39.91	Peak	

### REMARKS:

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

Test Mode: TX G Mode 2417 MHz

## Vertical



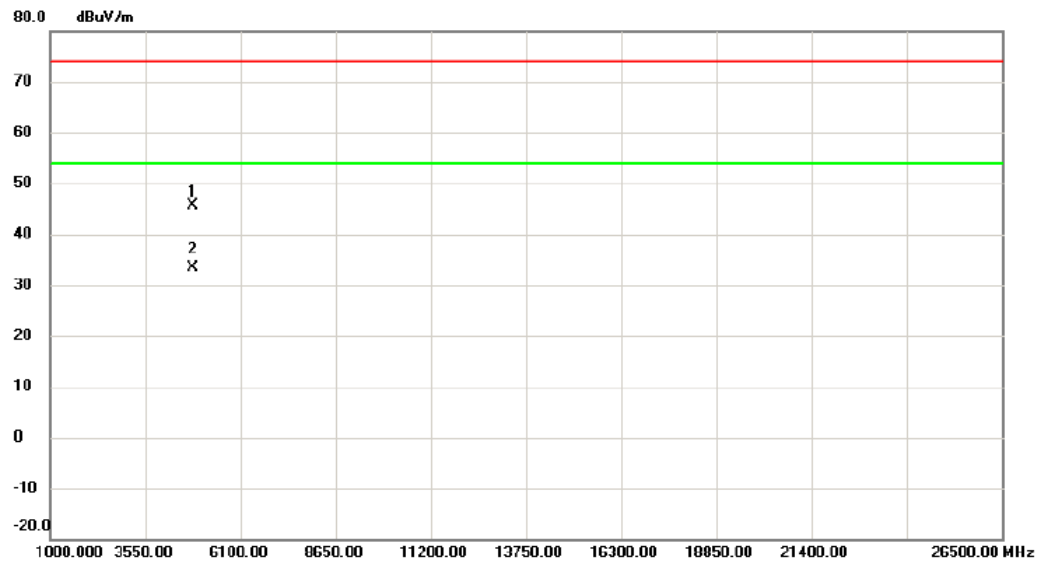
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	40.01	8.29	48.30	74.00	-25.70	peak	
2		2390.000	30.89	8.29	39.18	54.00	-14.82	AVG	
3	X	2423.500	93.93	8.33	102.26	74.00	28.26	peak	No Limit
4	*	2424.000	85.75	8.33	94.08	54.00	40.08	AVG	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.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4834.468	40.24	5.36	45.60	74.00	-28.40	peak	
2	*	4834.829	27.97	5.36	33.33	54.00	-20.67	AVG	

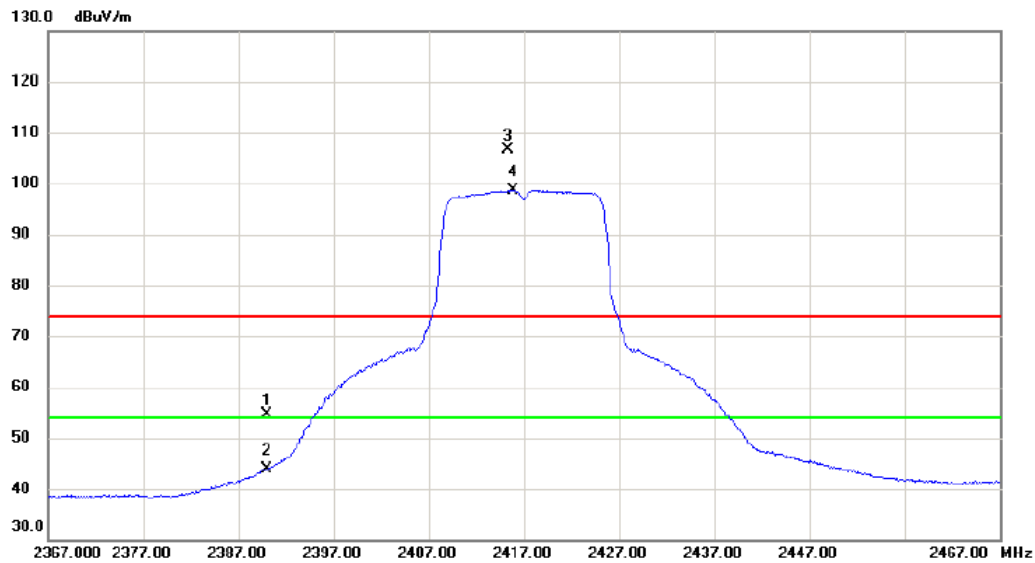
### REMARKS:

(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. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	46.42	8.29	54.71	74.00	-19.29	peak	
2		2390.000	35.50	8.29	43.79	54.00	-10.21	AVG	
3	X	2415.300	98.29	8.32	106.61	74.00	32.61	peak	No Limit
4	*	2415.800	90.33	8.32	98.65	54.00	44.65	AVG	No Limit

### REMARKS:

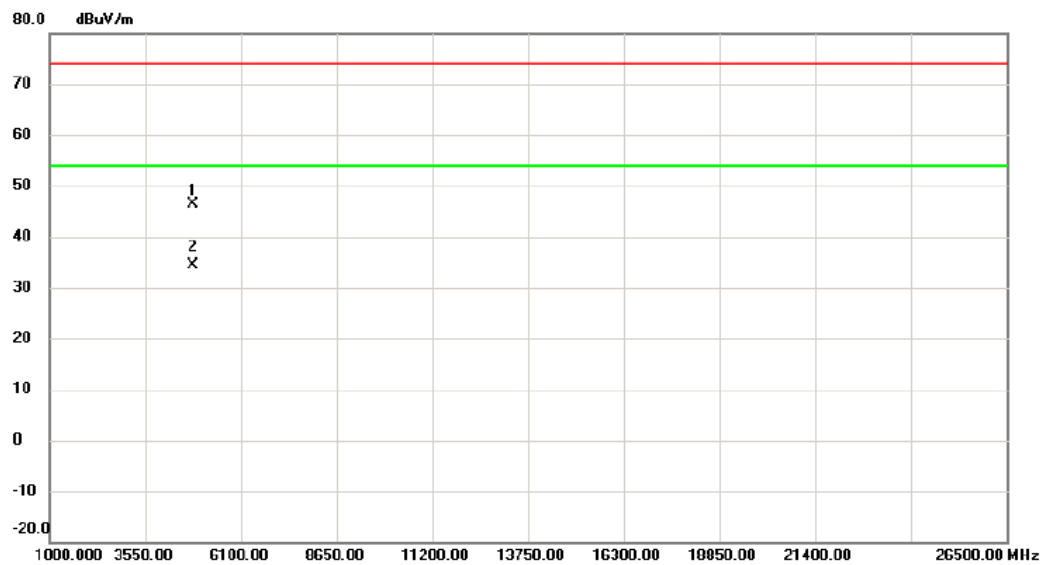
(1) Measurement Value = Reading Level + Correct Factor.

(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		4833.496	41.00	5.35	46.35	74.00	-27.65	peak	
2	*	4834.213	29.01	5.36	34.37	54.00	-19.63	AVG	

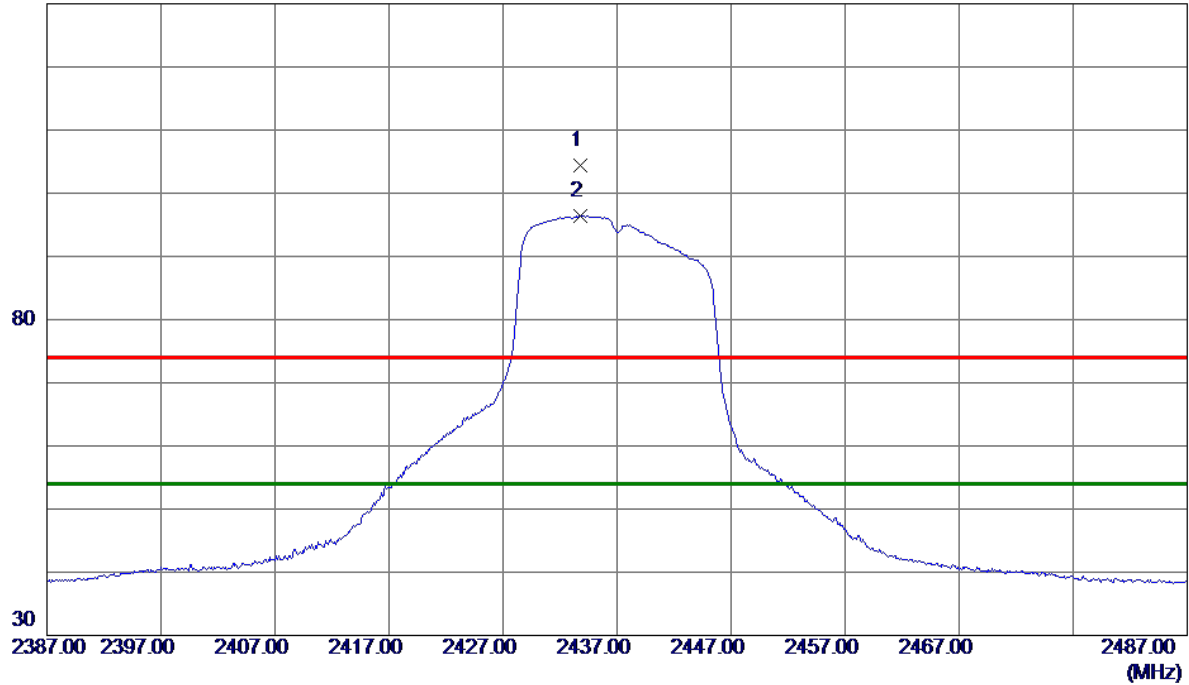
### REMARKS:

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

Test Mode: TX G Mode 2437 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	2433.8000	96.07	8.33	104.40	74.00	30.40	Peak	No Limit
2 *	2433.8000	88.08	8.33	96.41	54.00	42.41	AVG	No Limit

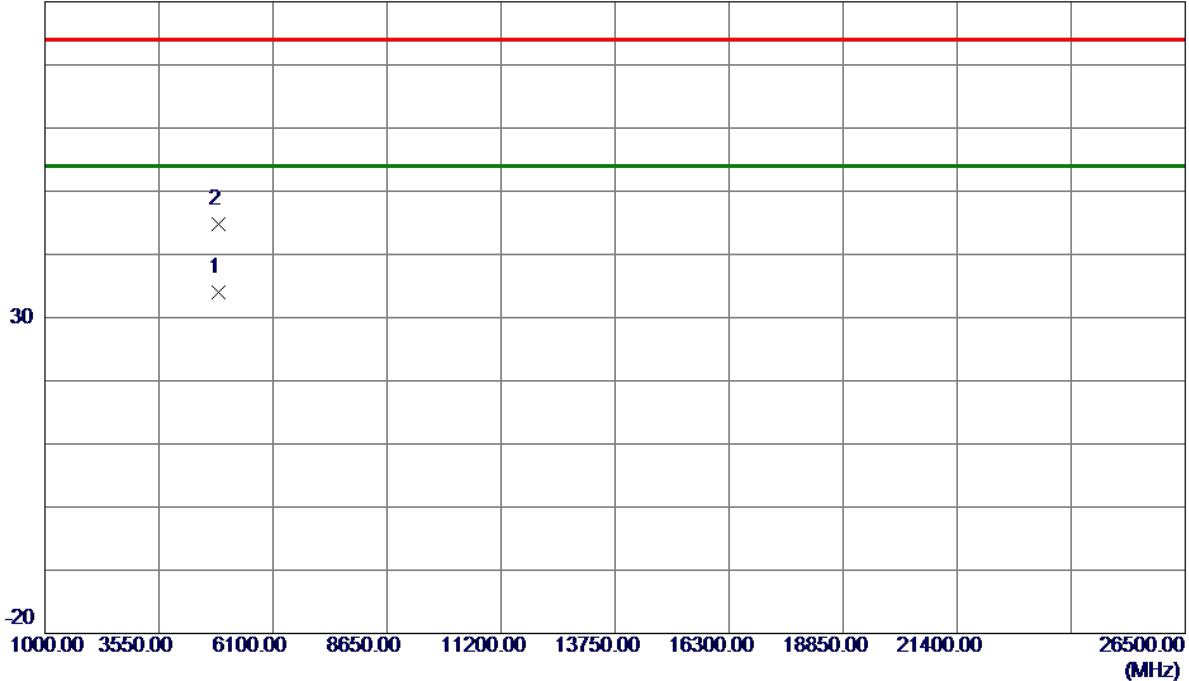
### REMARKS:

- (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 *	4873.2820	28.45	5.46	33.91	54.00	-20.09	AVG	
2	4874.9990	39.31	5.46	44.77	74.00	-29.23	Peak	

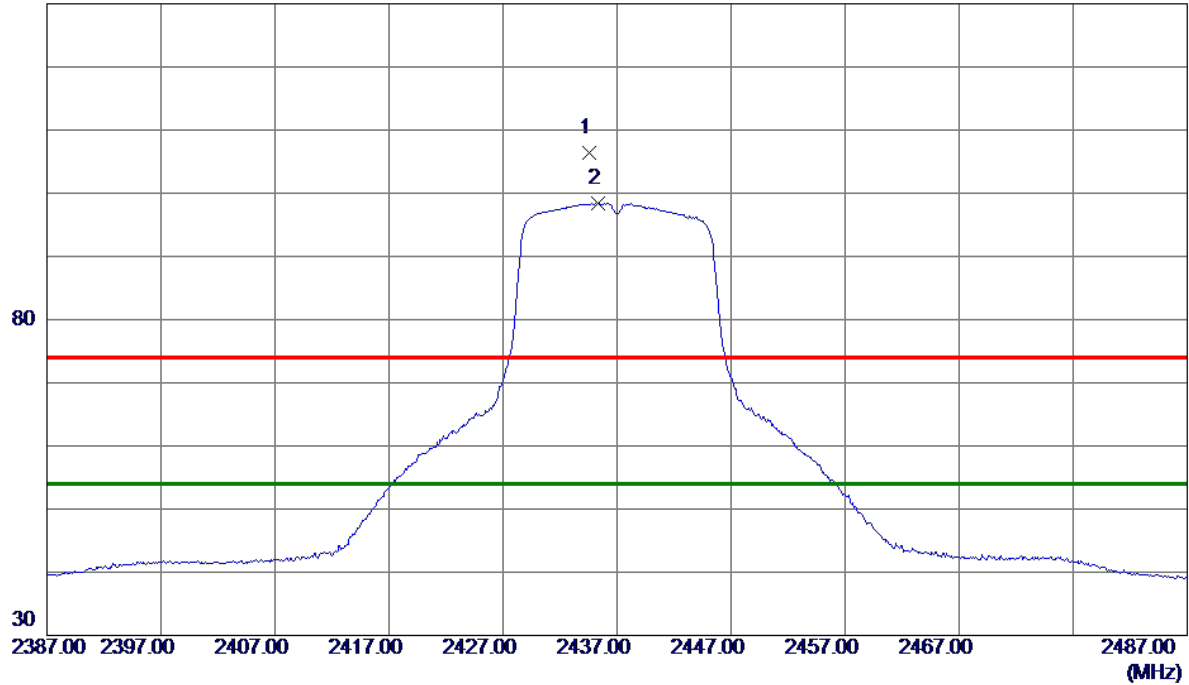
### REMARKS:

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

Test Mode: TX G Mode 2437 MHz

## Horizontal

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	2434.6000	98.13	8.34	106.47	74.00	32.47	Peak	No Limit
2 *	2435.3000	90.15	8.34	98.49	54.00	44.49	AVG	No Limit

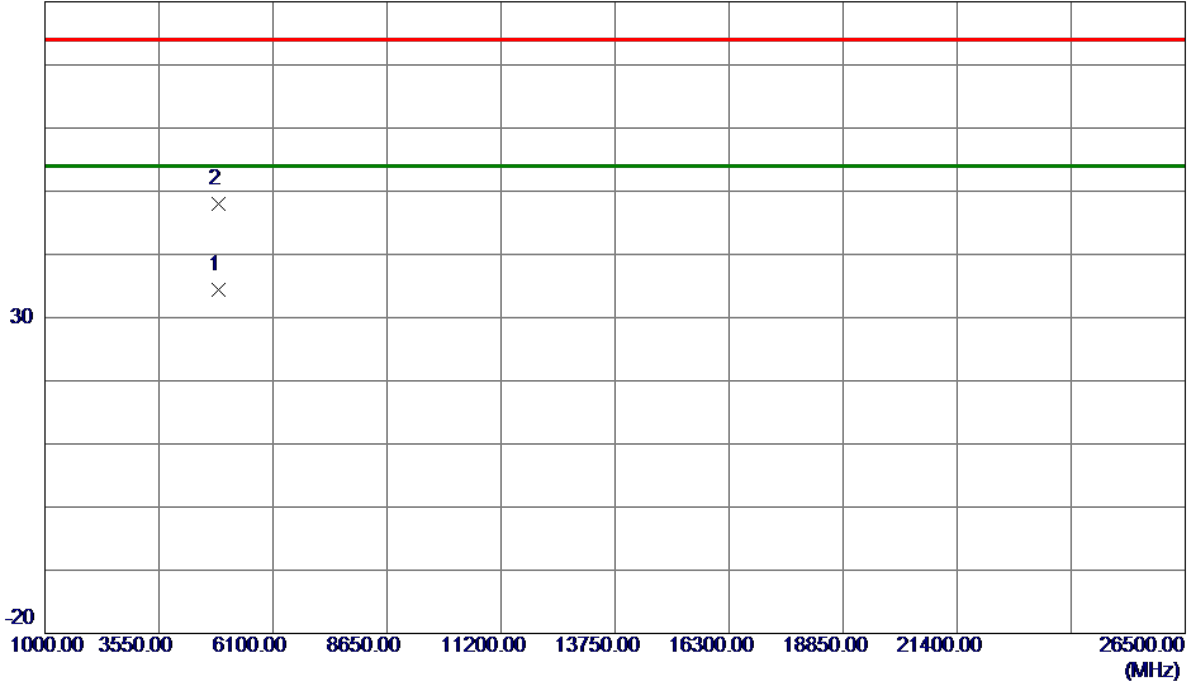
### REMARKS:

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

Test Mode: TX G Mode 2437 MHz

## Horizontal

80 dBuV/m



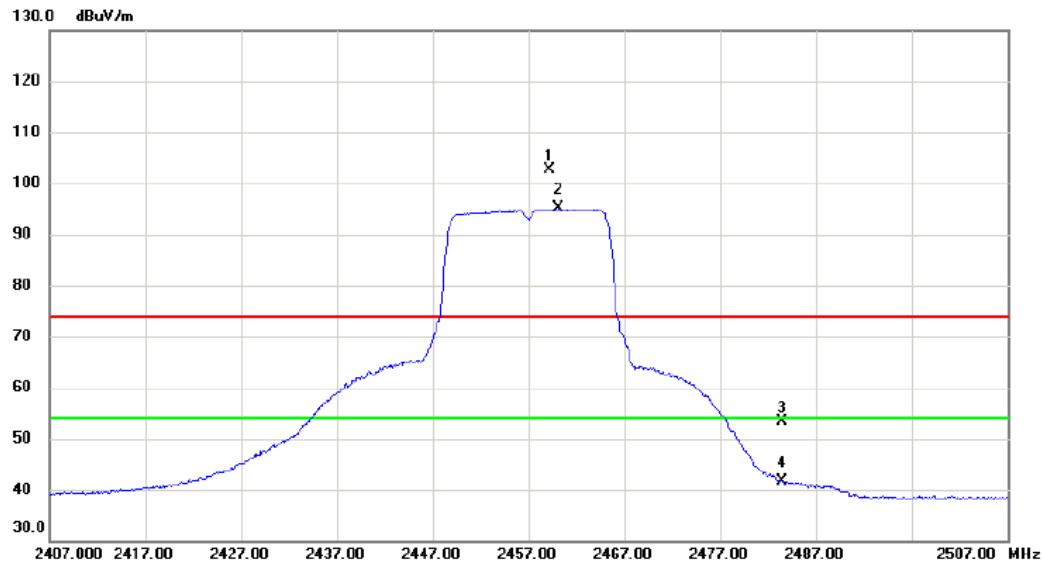
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.7370	29.00	5.46	34.46	54.00	-19.54	AVG	
2	4874.8809	42.46	5.46	47.92	74.00	-26.08	Peak	

### REMARKS:

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

Test Mode: TX G Mode 2457 MHz

## Vertical



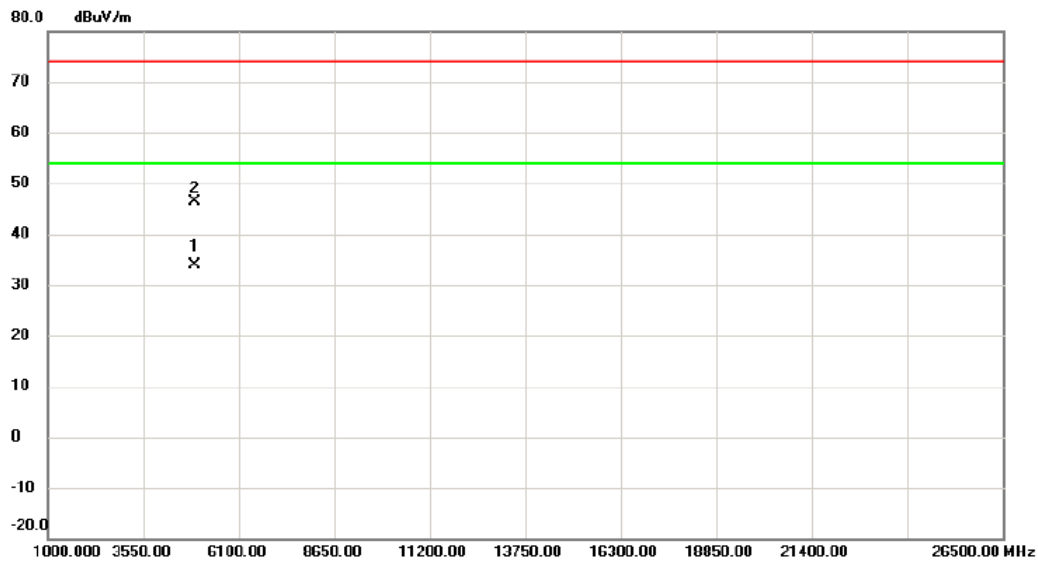
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2459.200	94.27	8.37	102.64	74.00	28.64	peak	No Limit
2	*	2460.100	86.64	8.37	95.01	54.00	41.01	AVG	No Limit
3		2483.500	45.06	8.39	53.45	74.00	-20.55	peak	
4		2483.500	33.36	8.39	41.75	54.00	-12.25	AVG	

### REMARKS:

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

Test Mode: TX G Mode 2457 MHz

## Vertical



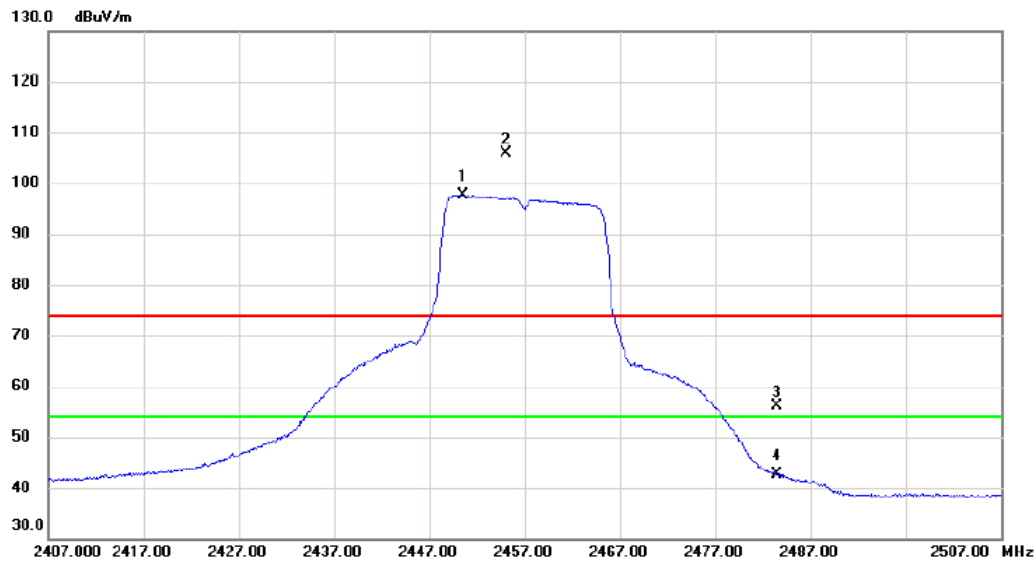
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4914.521	28.38	5.56	33.94	54.00	-20.06	AVG	
2		4914.945	40.72	5.56	46.28	74.00	-27.72	peak	

### 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	*	2450.500	89.31	8.35	97.66	54.00	43.66	AVG	No Limit
2	X	2455.000	97.59	8.35	105.94	74.00	31.94	peak	No Limit
3		2483.500	47.73	8.39	56.12	74.00	-17.88	peak	
4		2483.500	34.22	8.39	42.61	54.00	-11.39	AVG	

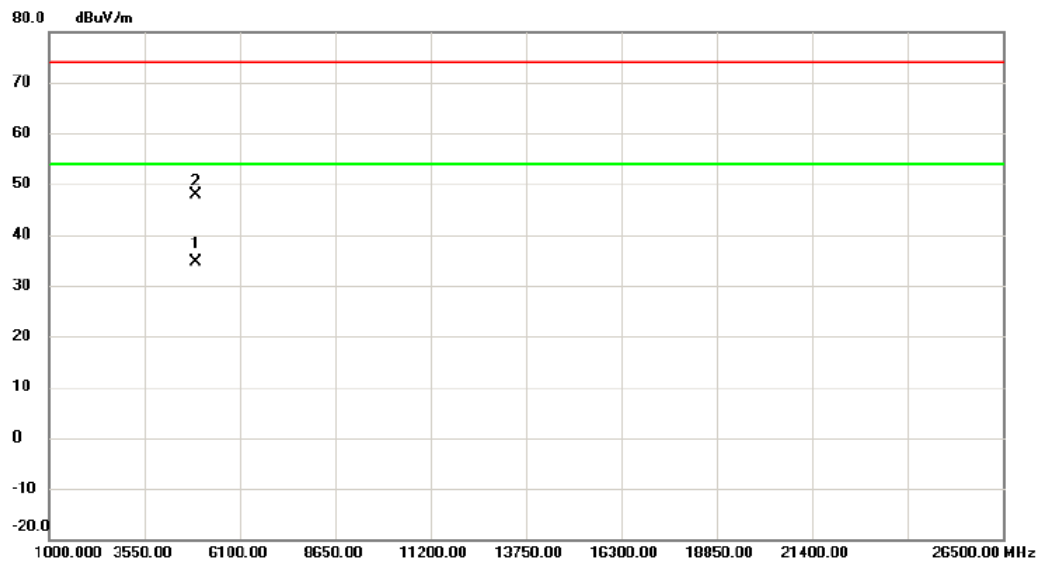
### REMARKS:

- (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	*	4913.160	28.96	5.56	34.52	54.00	-19.48	AVG	
2		4914.774	42.28	5.56	47.84	74.00	-26.16	peak	

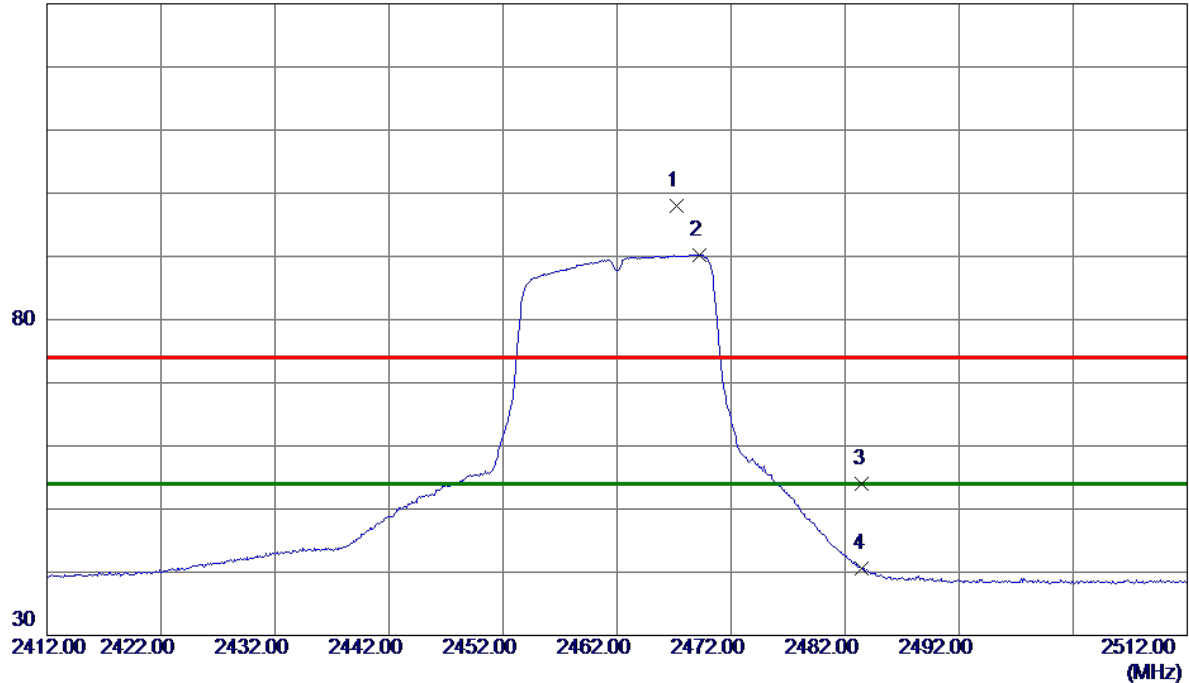
### REMARKS:

- (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	2467.2000	89.73	8.37	98.10	74.00	24.10	Peak	No Limit
2 *	2469.2000	81.88	8.37	90.25	54.00	36.25	AVG	No Limit
3	2483.5000	45.61	8.39	54.00	74.00	-20.00	Peak	
4	2483.5000	32.16	8.39	40.55	54.00	-13.45	AVG	

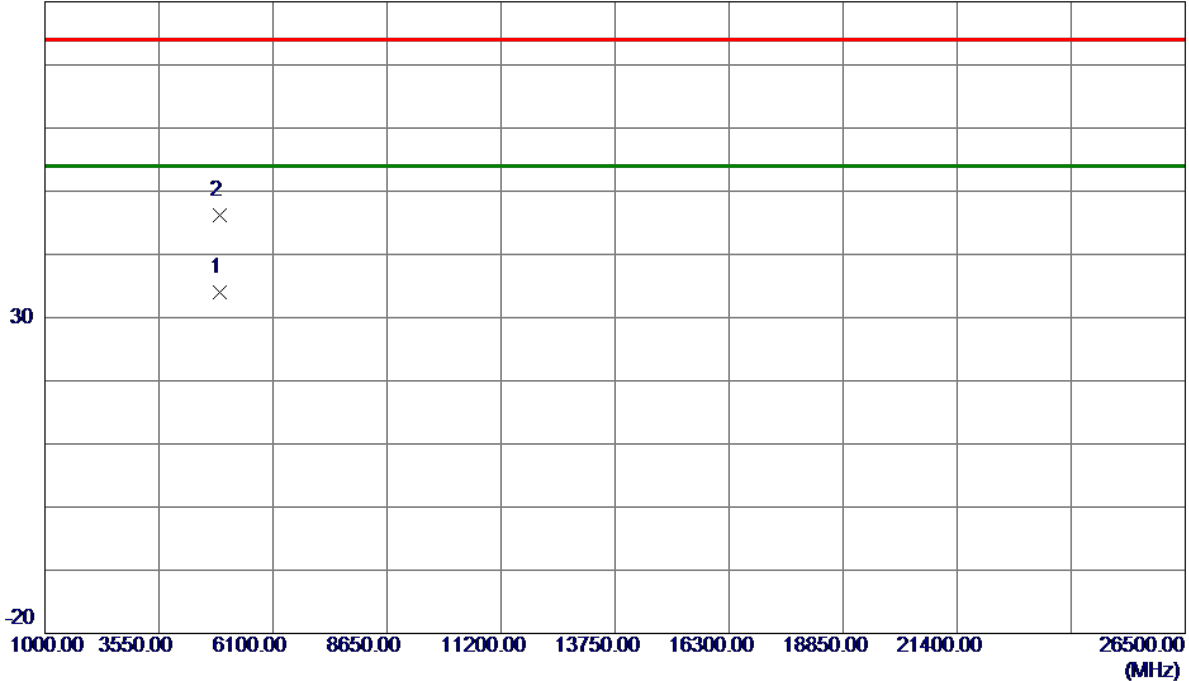
### REMARKS:

- (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 *	4923.3809	28.35	5.59	33.94	54.00	-20.06	AVG	
2	4923.7180	40.60	5.59	46.19	74.00	-27.81	Peak	

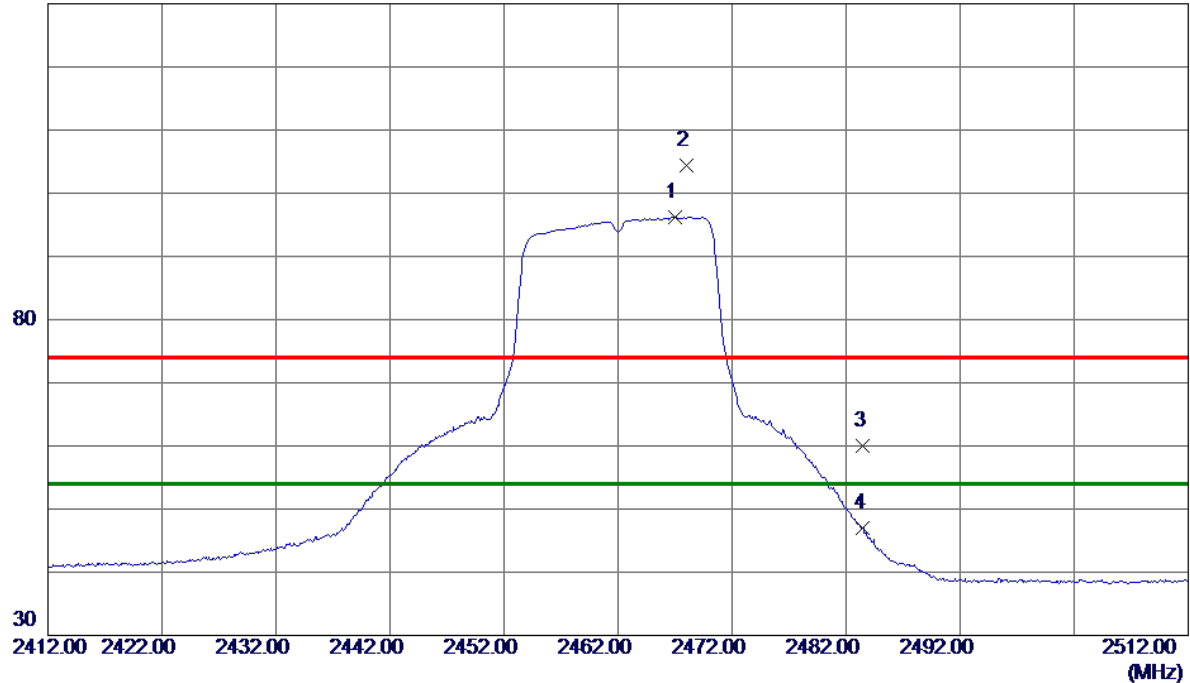
### REMARKS:

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

Test Mode: TX G Mode 2462 MHz

## Horizontal

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 *	2467.0000	87.83	8.37	96.20	54.00	42.20	AVG	No Limit
2	2468.0000	96.00	8.37	104.37	74.00	30.37	Peak	No Limit
3	2483.5000	51.55	8.39	59.94	74.00	-14.06	Peak	
4	2483.5000	38.58	8.39	46.97	54.00	-7.03	AVG	

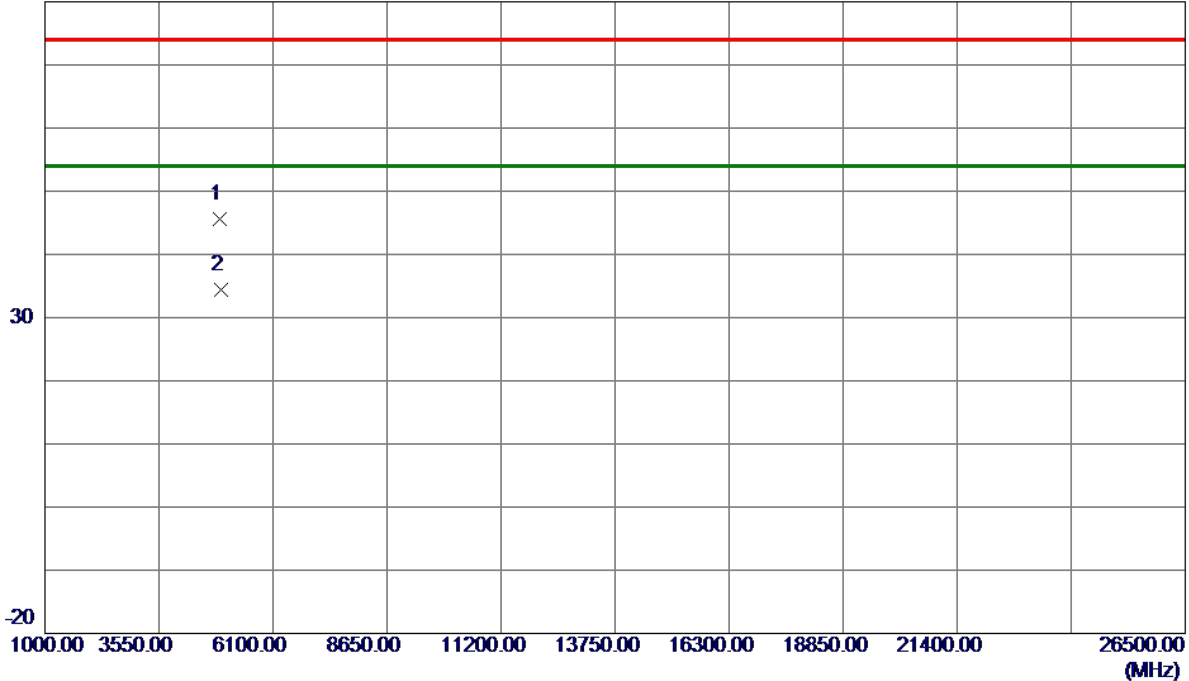
### REMARKS:

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

Test Mode: TX G Mode 2462 MHz

## Horizontal

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	4923.1360	39.95	5.59	45.54	74.00	-28.46	Peak	
2 *	4924.7020	28.76	5.60	34.36	54.00	-19.64	AVG	

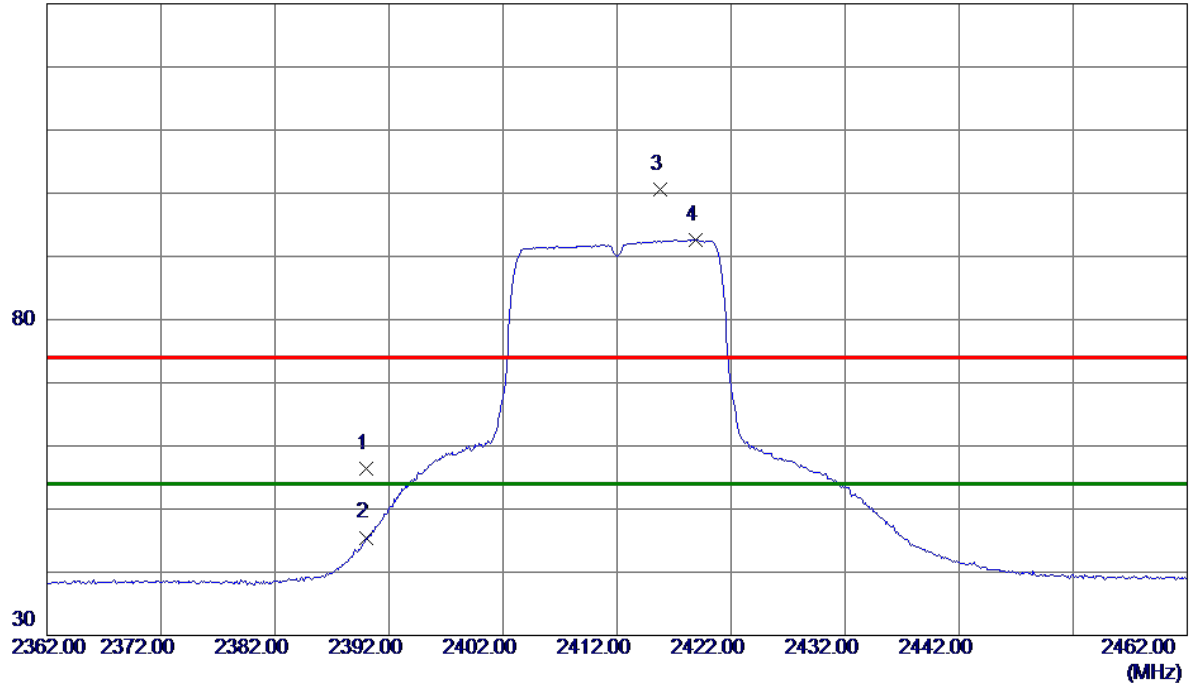
### REMARKS:

- (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	48.18	8.29	56.47	74.00	-17.53	Peak	
2	2390.0000	37.21	8.29	45.50	54.00	-8.50	AVG	
3	2415.8000	92.37	8.31	100.68	74.00	26.68	Peak	No Limit
4 *	2418.9000	84.33	8.32	92.65	54.00	38.65	AVG	No Limit

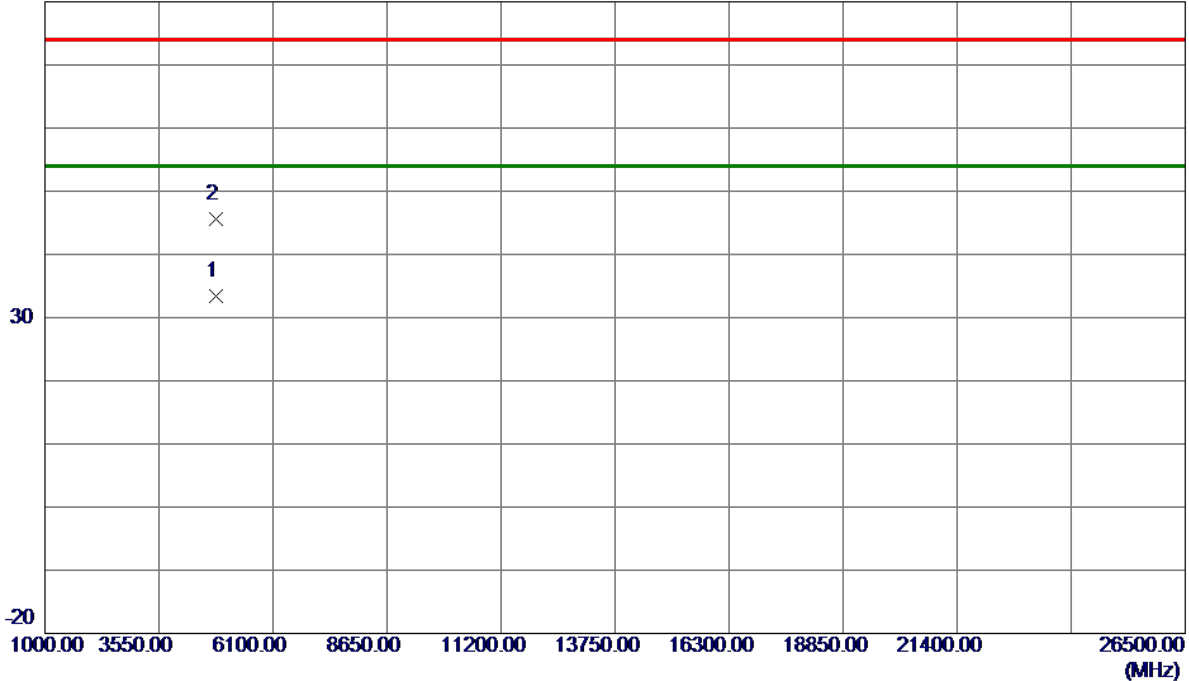
### REMARKS:

- (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 *	4824.6860	28.03	5.32	33.35	54.00	-20.65	AVG	
2	4824.7890	40.21	5.33	45.54	74.00	-28.46	Peak	

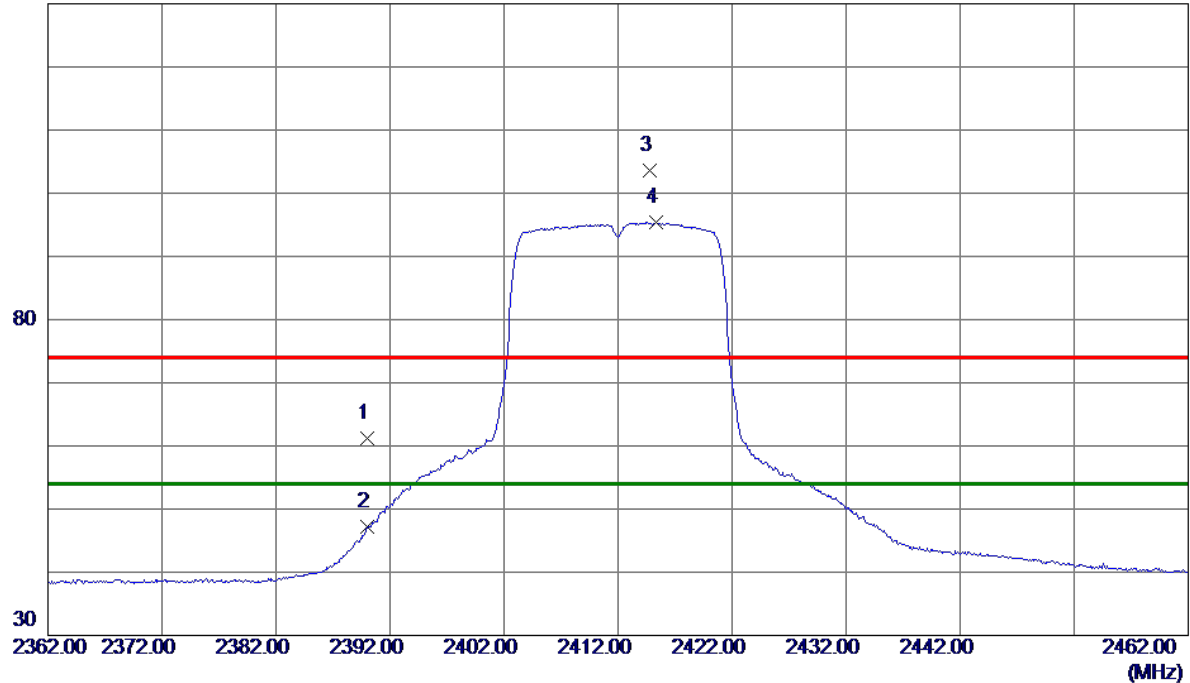
### REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

## Horizontal

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	52.84	8.29	61.13	74.00	-12.87	Peak	
2	2390.0000	38.87	8.29	47.16	54.00	-6.84	AVG	
3	2414.8000	95.23	8.31	103.54	74.00	29.54	Peak	No Limit
4 *	2415.3000	87.05	8.31	95.36	54.00	41.36	AVG	No Limit

### REMARKS:

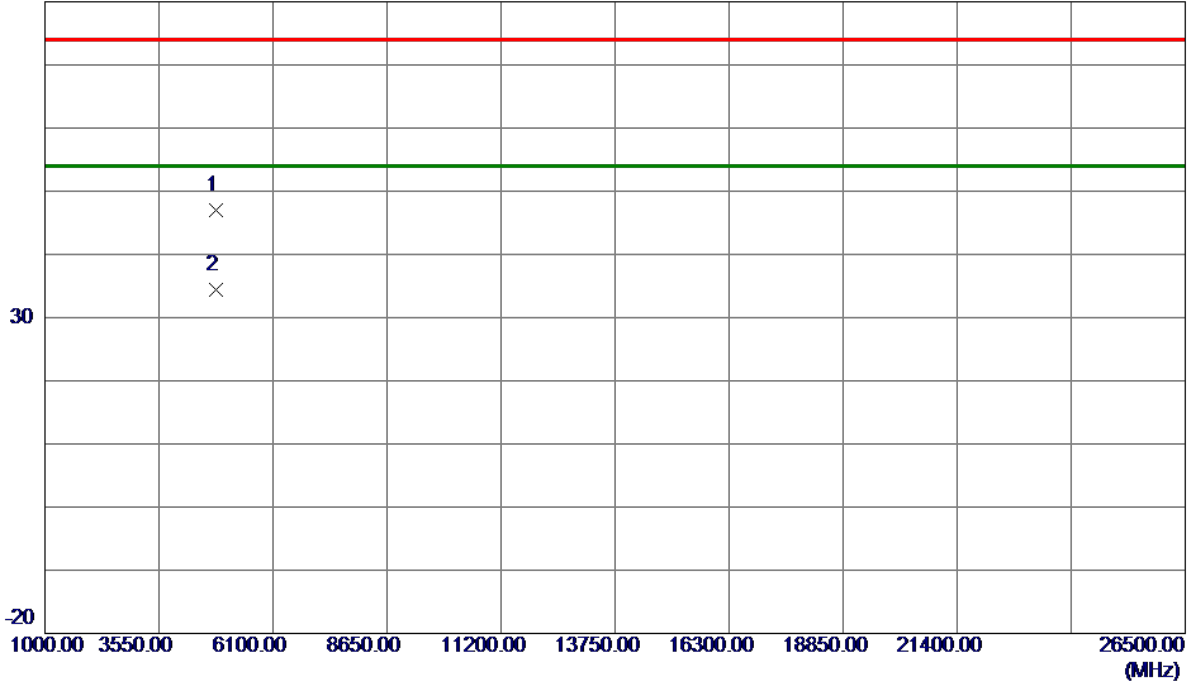
- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.



Test Mode:	TX N-20M Mode 2412 MHz
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## Horizontal

80 dBuV/m



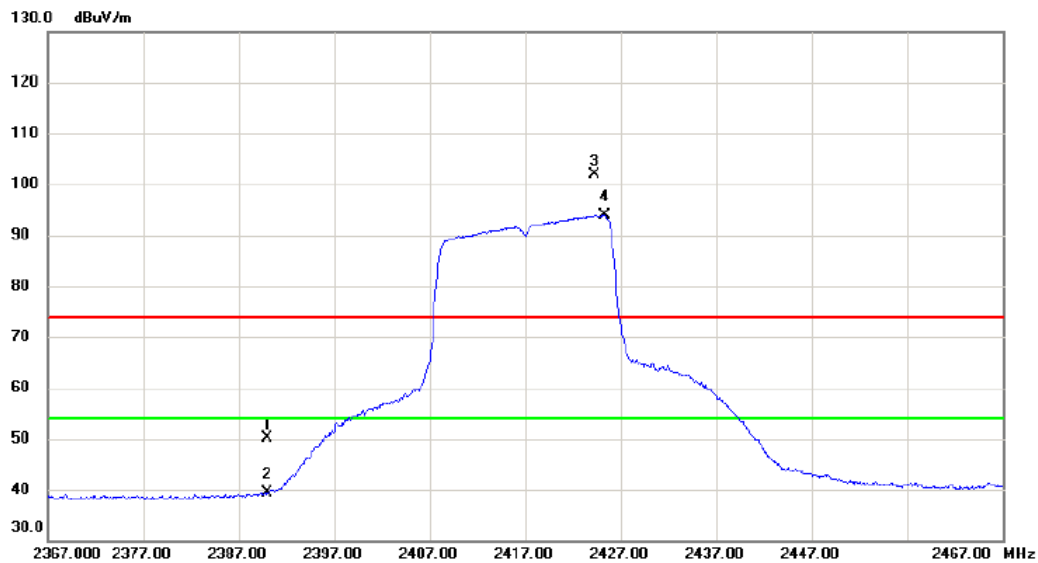
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.2839	41.64	5.32	46.96	74.00	-27.04	Peak	
2 *	4824.3330	29.08	5.32	34.40	54.00	-19.60	AVG	

### REMARKS:

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

Test Mode: TX N-20M Mode 2417 MHz

## Vertical



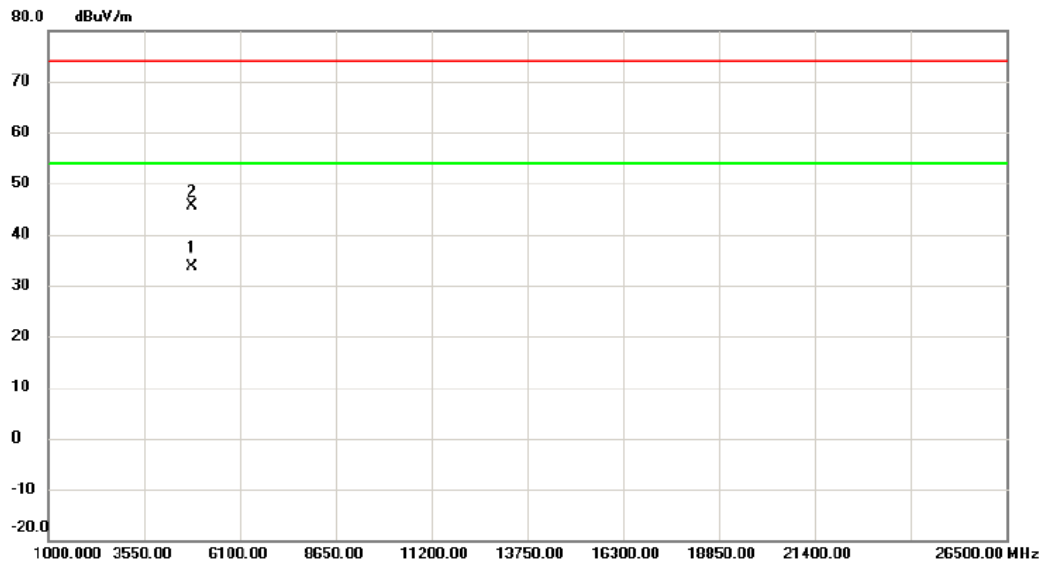
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	41.89	8.29	50.18	74.00	-23.82	peak	
2		2390.000	31.07	8.29	39.36	54.00	-14.64	AVG	
3	X	2424.300	93.56	8.33	101.89	74.00	27.89	peak	No Limit
4	*	2425.300	85.61	8.32	93.93	54.00	39.93	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



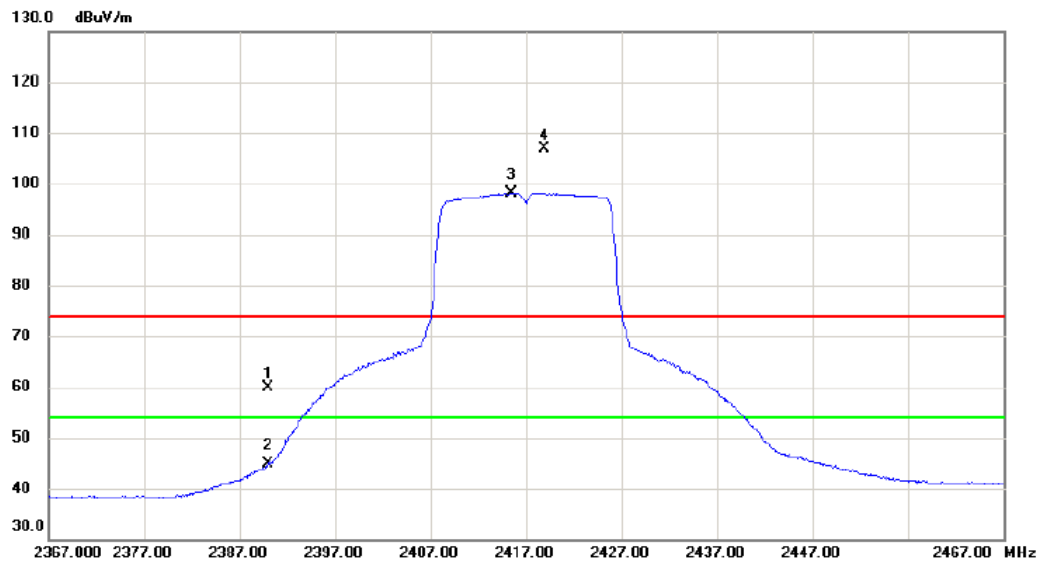
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4833.402	28.23	5.35	33.58	54.00	-20.42	AVG	
2		4834.272	40.28	5.36	45.64	74.00	-28.36	peak	

### REMARKS:

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

Test Mode: TX N-20M Mode 2417 MHz

## Horizontal



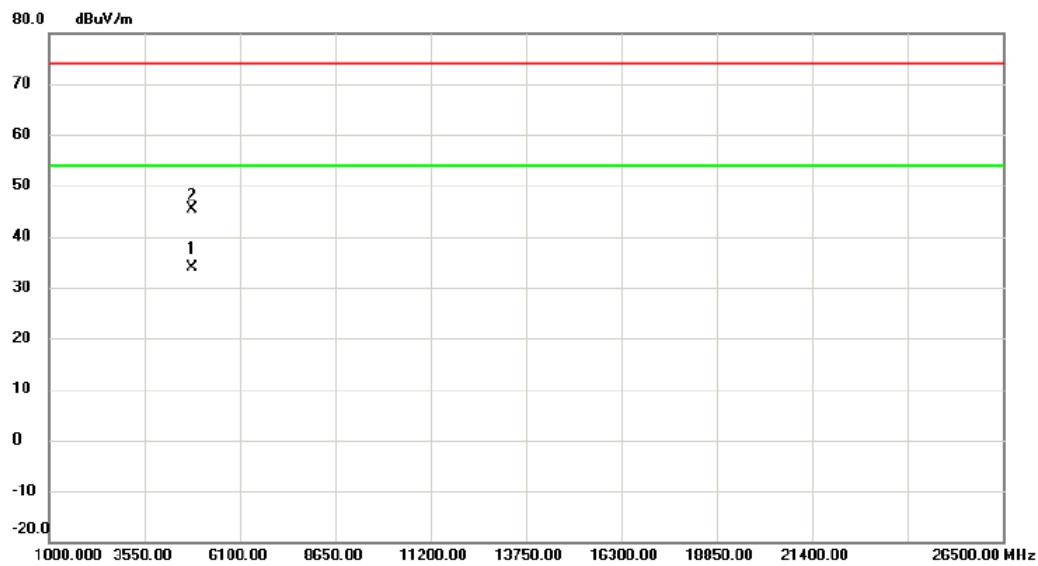
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	51.48	8.29	59.77	74.00	-14.23	peak	
2		2390.000	36.55	8.29	44.84	54.00	-9.16	AVG	
3	*	2415.500	89.91	8.32	98.23	54.00	44.23	AVG	No Limit
4	X	2418.900	98.48	8.32	106.80	74.00	32.80	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.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4833.746	28.58	5.35	33.93	54.00	-20.07	AVG	
2		4833.903	40.06	5.35	45.41	74.00	-28.59	peak	

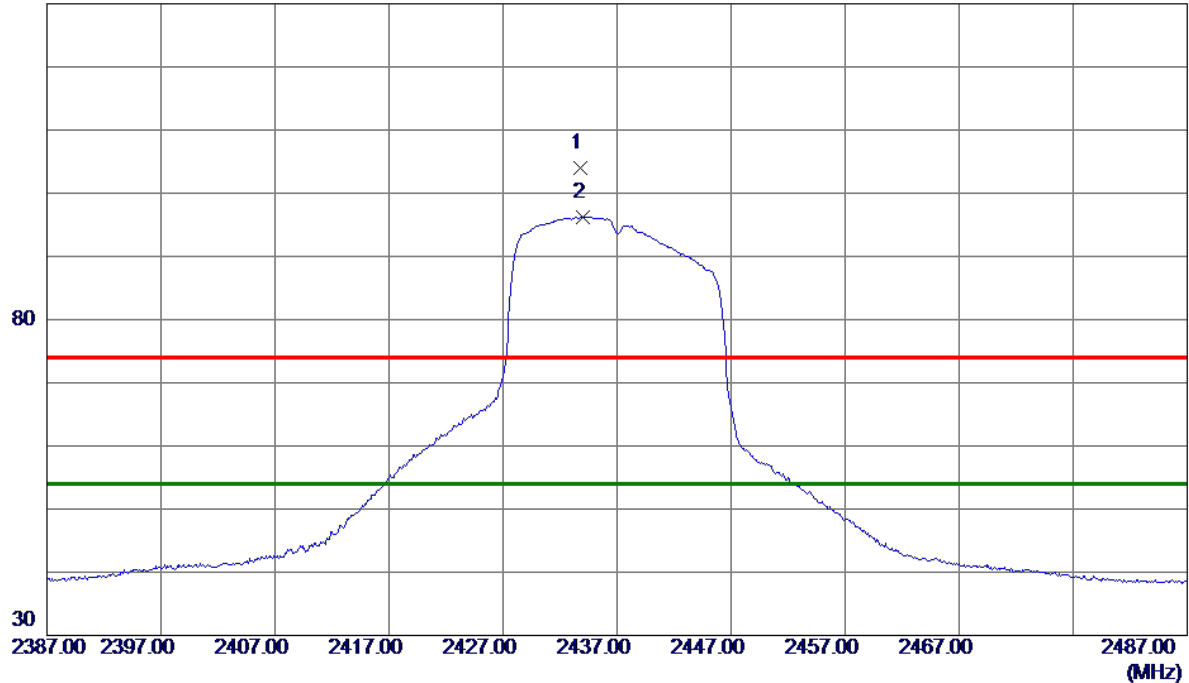
### REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

## Vertical

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	2433.8000	95.70	8.33	104.03	74.00	30.03	Peak	No Limit
2 *	2434.0000	87.93	8.33	96.26	54.00	42.26	AVG	No Limit

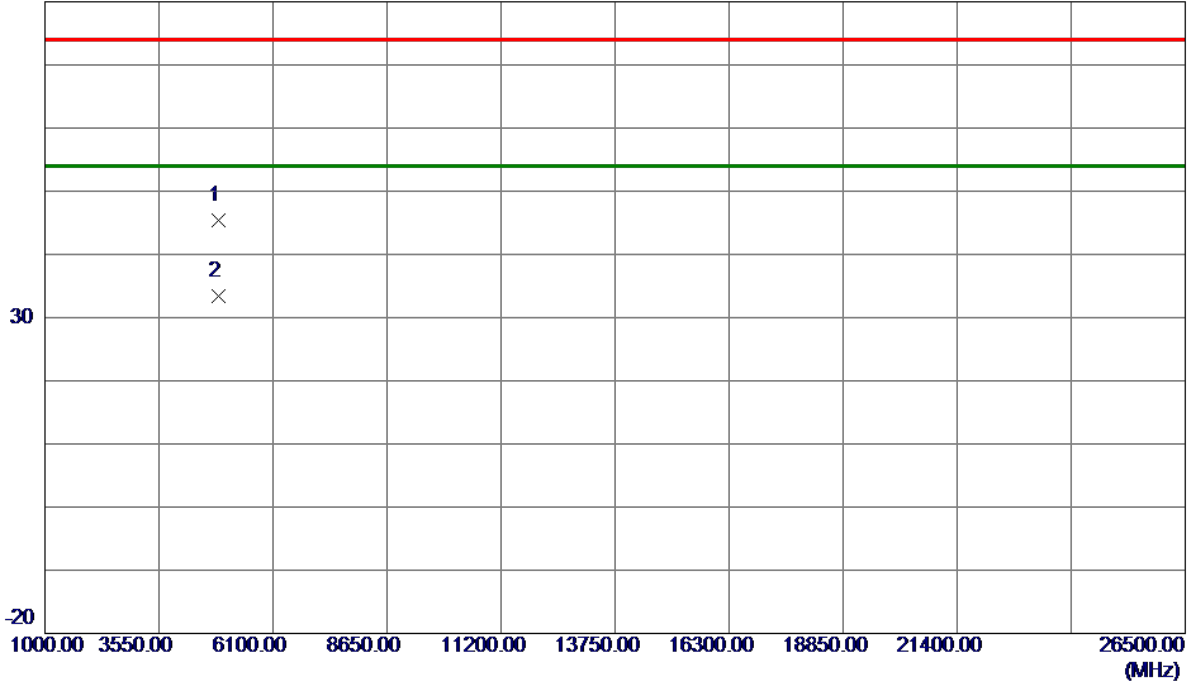
### REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

## 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 *	4873.0440	39.88	5.46	45.34	54.00	-8.66	AVG	
2	4874.6190	27.99	5.46	33.45	74.00	-40.55	Peak	

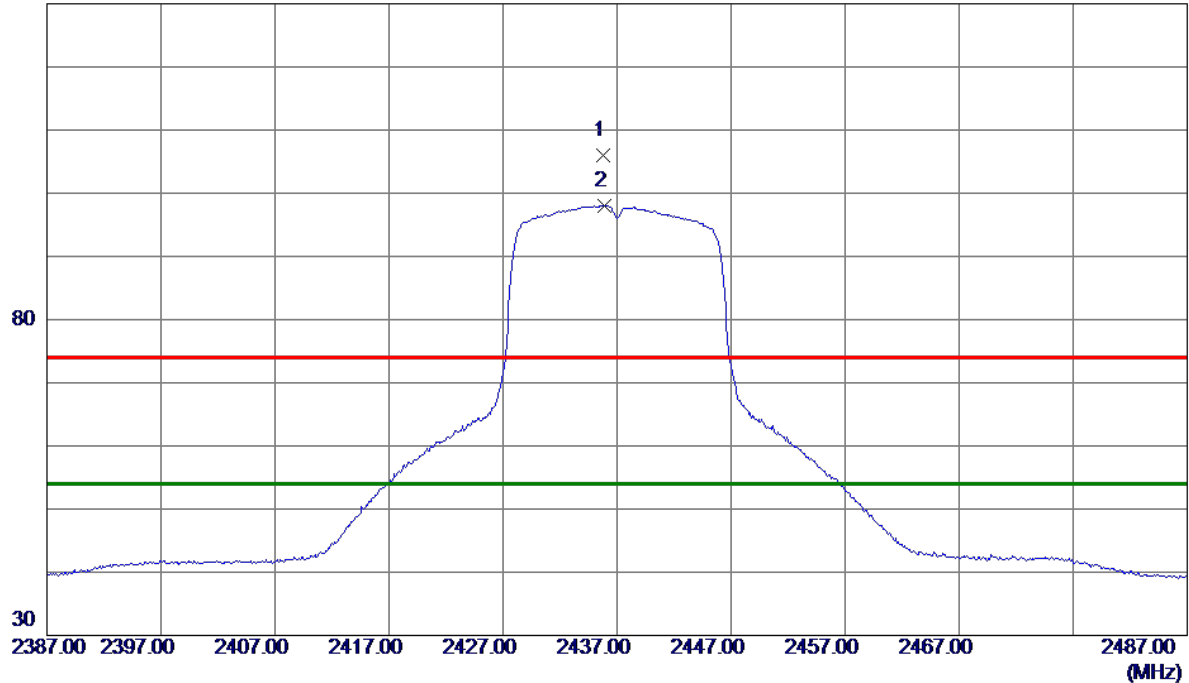
### REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

## Horizontal

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	2435.8000	97.60	8.34	105.94	74.00	31.94	Peak	No Limit
2 *	2435.9000	89.71	8.34	98.05	54.00	44.05	AVG	No Limit

### REMARKS:

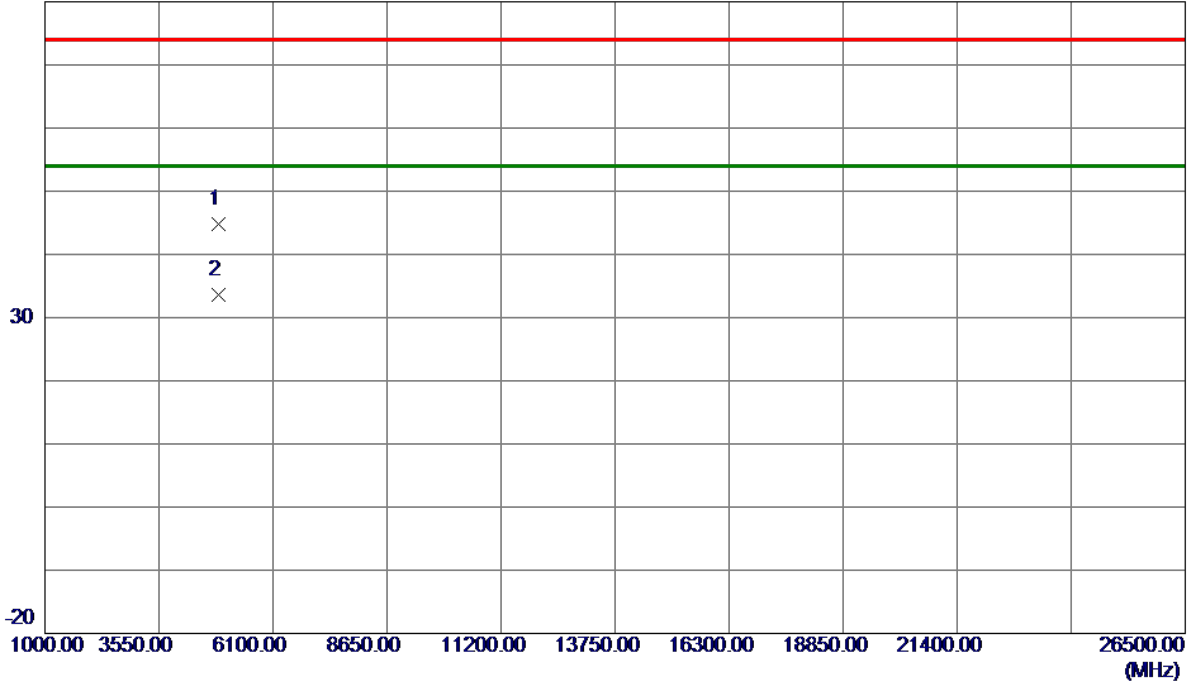
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.



Test Mode:	TX N-20M Mode 2437 MHz
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## Horizontal

80 dBuV/m



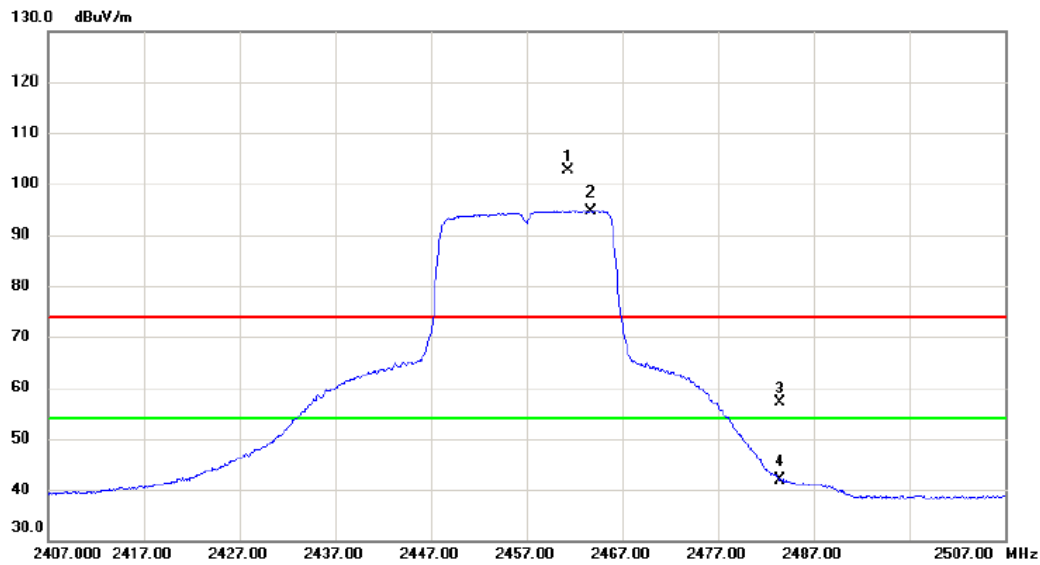
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.4160	39.43	5.46	44.89	74.00	-29.11	Peak	
2 *	4874.6500	28.17	5.46	33.63	54.00	-20.37	AVG	

### 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	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2461.300	94.35	8.37	102.72	74.00	28.72	peak	No Limit
2	*	2463.700	86.25	8.37	94.62	54.00	40.62	AVG	No Limit
3		2483.500	48.81	8.39	57.20	74.00	-16.80	peak	
4		2483.500	33.59	8.39	41.98	54.00	-12.02	AVG	

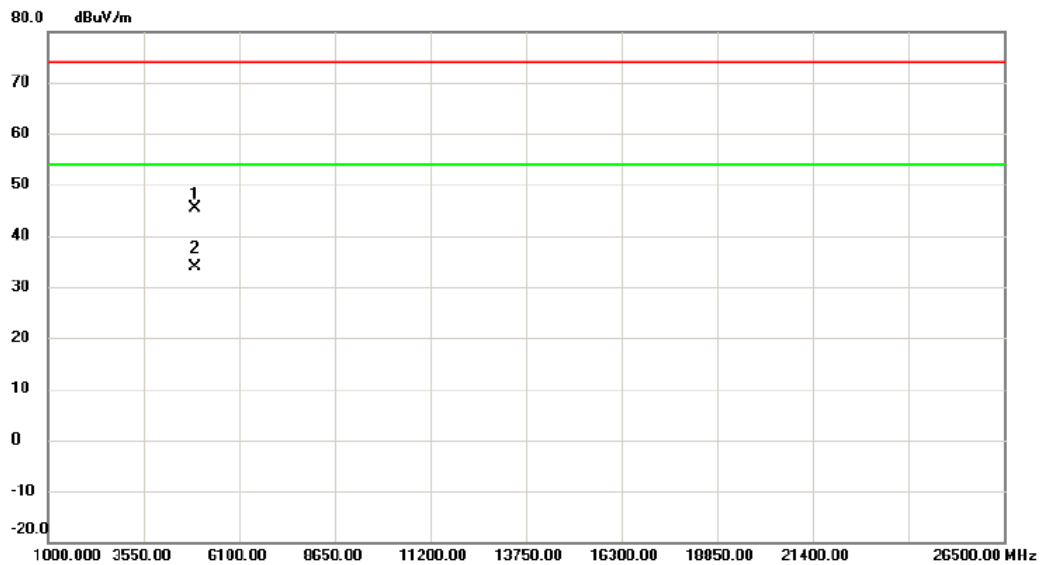
### REMARKS:

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

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

Test Mode: TX N-20M Mode 2457 MHz

## Vertical



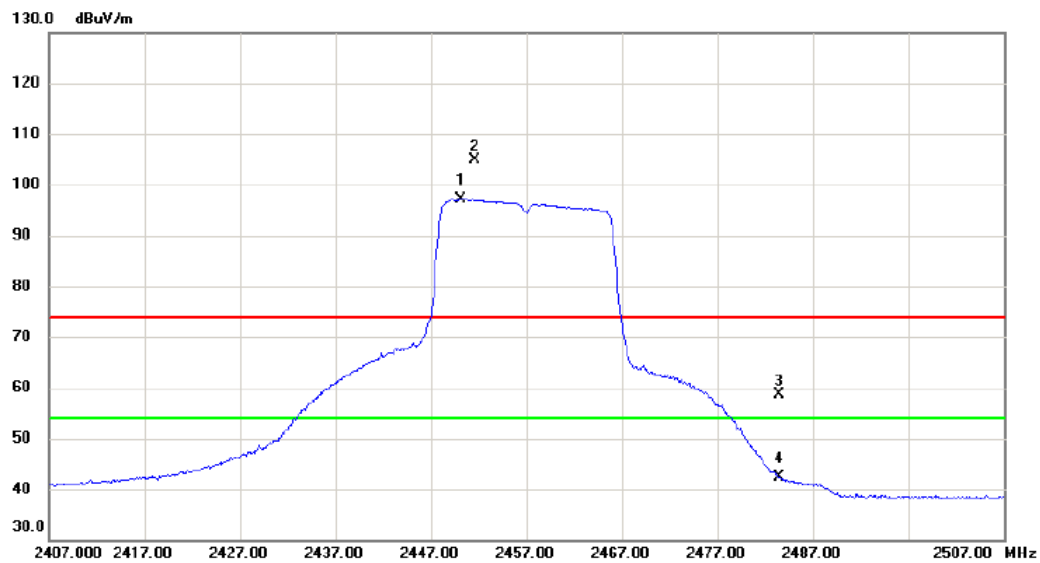
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4914.312	39.81	5.56	45.37	74.00	-28.63	peak	
2	*	4914.871	28.24	5.56	33.80	54.00	-20.20	AVG	

### 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	*	2450.200	88.87	8.35	97.22	54.00	43.22	AVG	No Limit
2	X	2451.600	96.65	8.35	105.00	74.00	31.00	peak	No Limit
3		2483.500	50.12	8.39	58.51	74.00	-15.49	peak	
4		2483.500	33.95	8.39	42.34	54.00	-11.66	AVG	

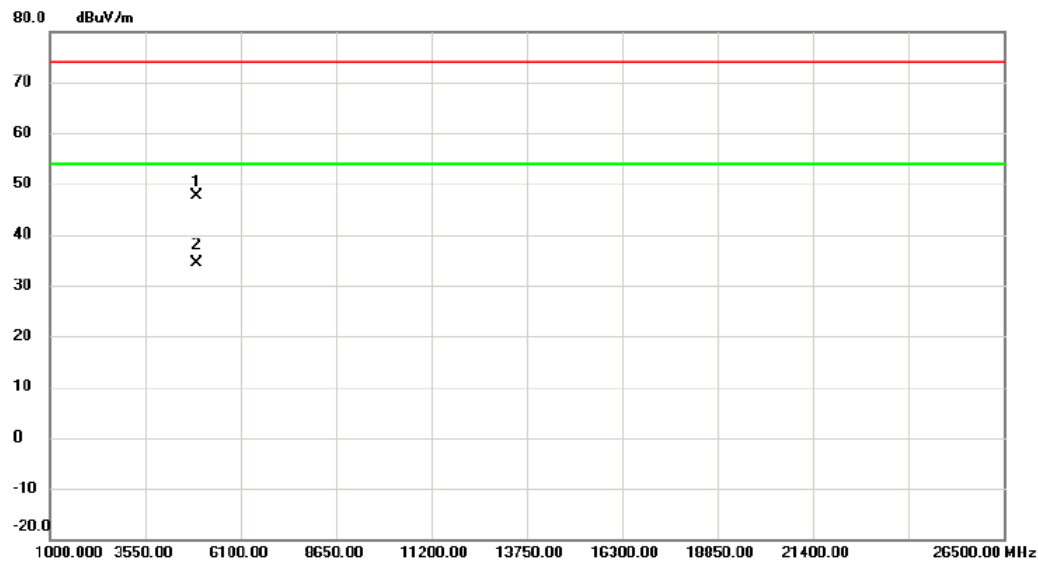
### REMARKS:

(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		4913.386	42.12	5.56	47.68	74.00	-26.32	peak	
2	*	4913.568	28.83	5.56	34.39	54.00	-19.61	AVG	

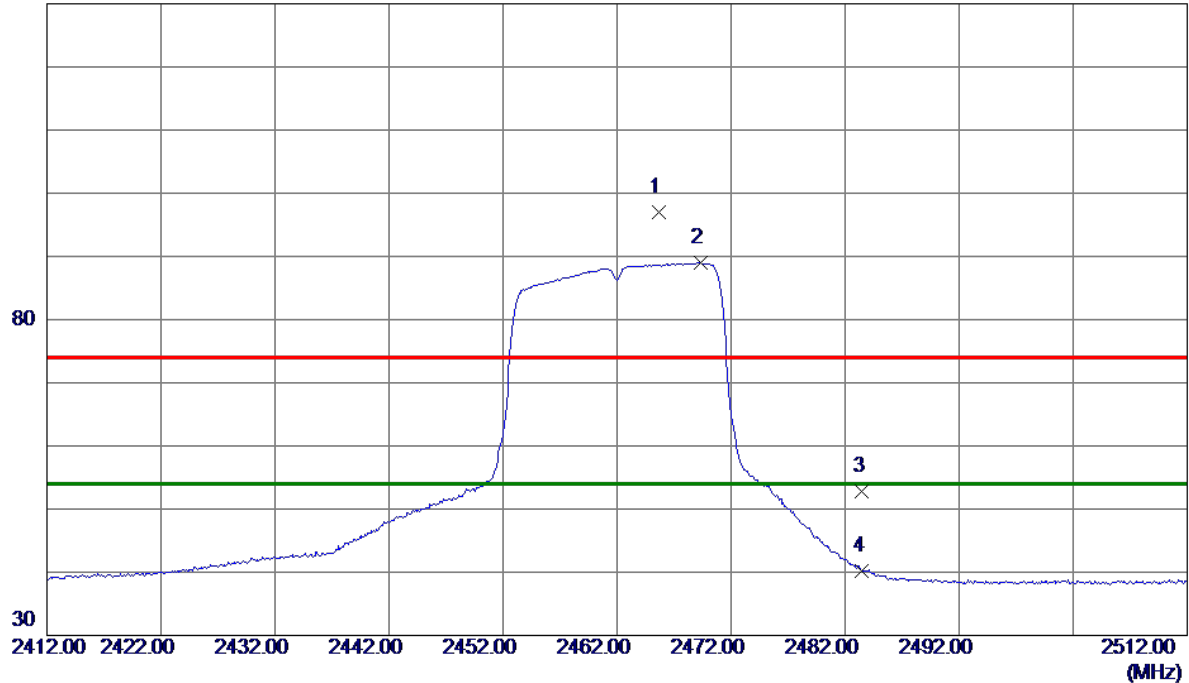
### REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

## Vertical

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	2465.7000	88.70	8.37	97.07	74.00	23.07	Peak	No Limit
2 *	2469.3000	80.62	8.37	88.99	54.00	34.99	AVG	No Limit
3	2483.5000	44.41	8.39	52.80	74.00	-21.20	Peak	
4	2483.5000	31.86	8.39	40.25	54.00	-13.75	AVG	

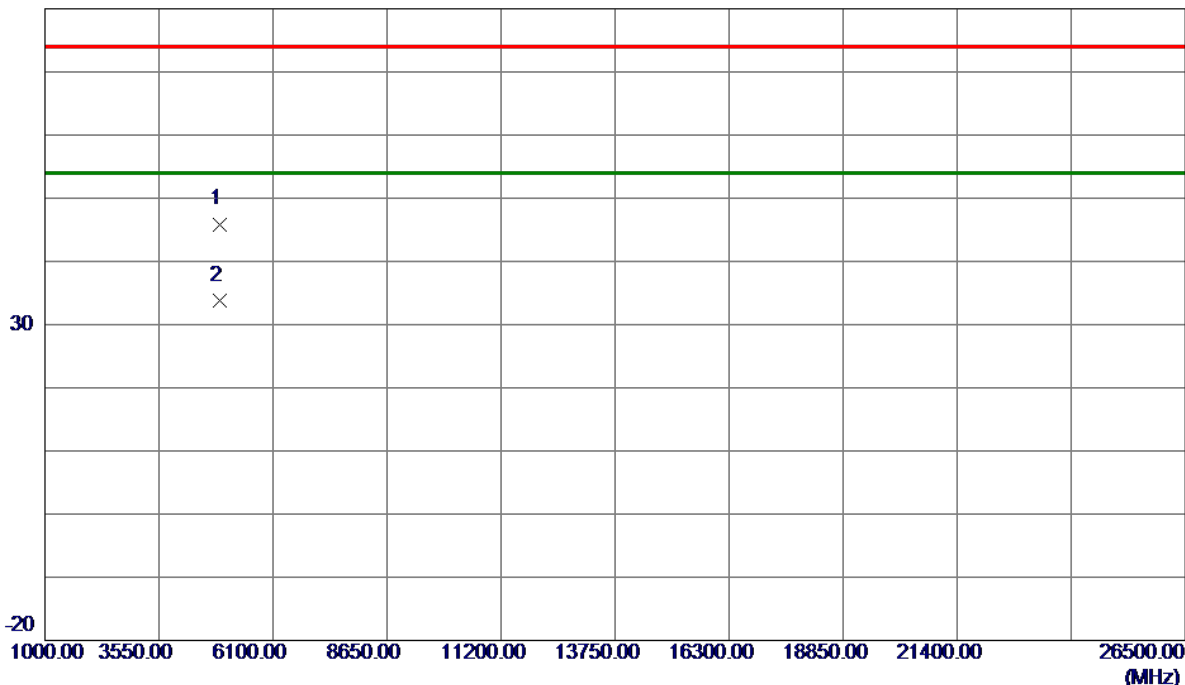
### REMARKS:

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

Test Mode:	TX N-20M Mode 2462 MHz
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## 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	4923.4960	40.31	5.59	45.90	74.00	-28.10	Peak	
2 *	4923.8840	28.17	5.59	33.76	54.00	-20.24	AVG	

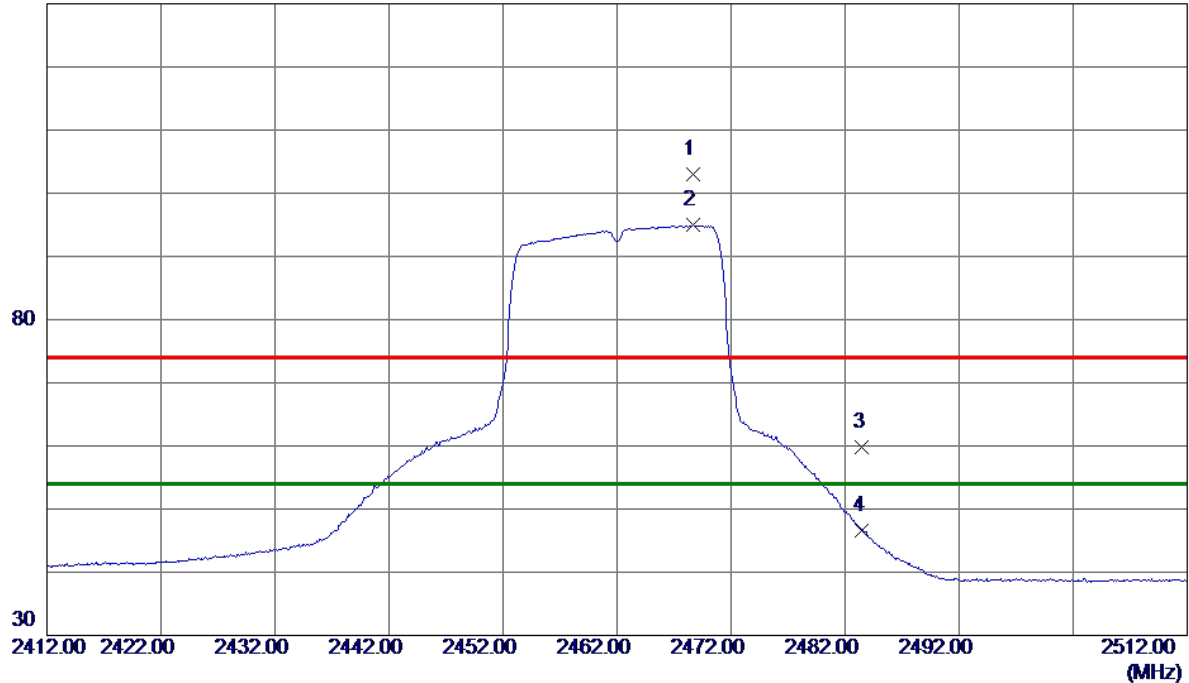
### REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

## Horizontal

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	2468.7000	94.55	8.37	102.92	74.00	28.92	Peak	No Limit
2 *	2468.7000	86.59	8.37	94.96	54.00	40.96	AVG	No Limit
3	2483.5000	51.44	8.39	59.83	74.00	-14.17	Peak	
4	2483.5000	38.16	8.39	46.55	54.00	-7.45	AVG	

### REMARKS:

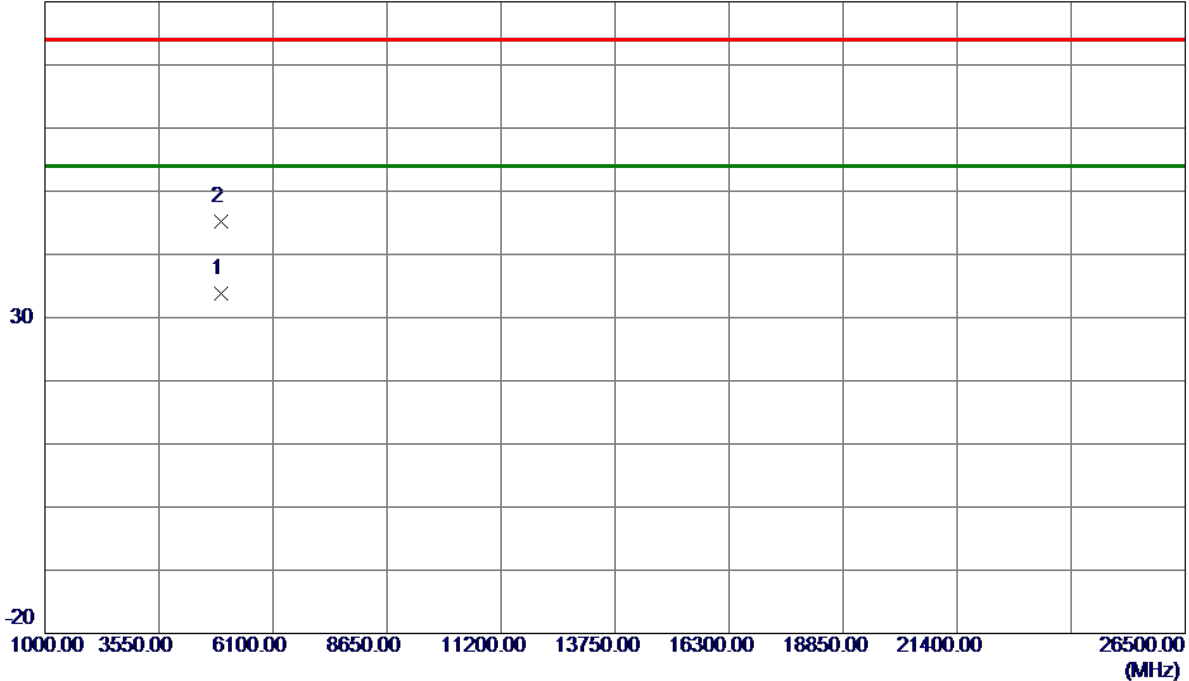
- (1) Measurement Value = Reading Level + Correct Factor.  
(2) Margin Level = Measurement Value - Limit Value.



Test Mode:	TX N-20M Mode 2462 MHz
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## Horizontal

80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924.4690	28.17	5.60	33.77	54.00	-20.23	AVG	
2	4924.9730	39.60	5.60	45.20	74.00	-28.80	Peak	

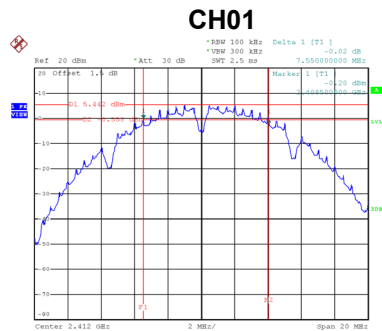
### REMARKS:

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

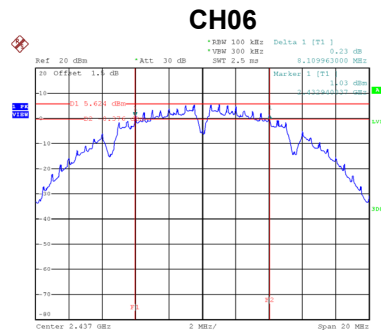
## **APPENDIX E - BANDWIDTH**

Test Mode	TX B Mode
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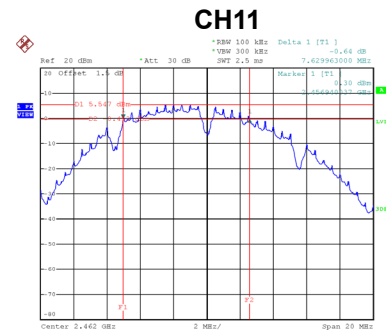
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	7.55	500	Complies
06	2437	8.11	500	Complies
11	2462	7.63	500	Complies



Date: 12.SEP.2020 10:18:47

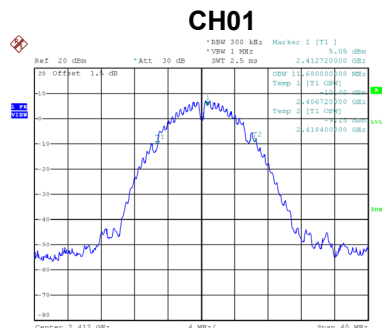


Date: 12.SEP.2020 10:23:32

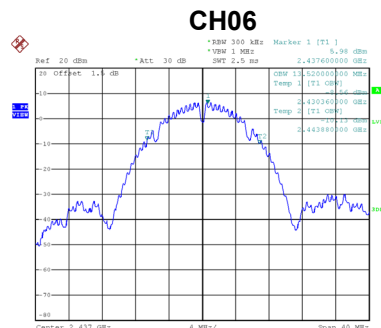


Date: 12.SEP.2020 10:26:22

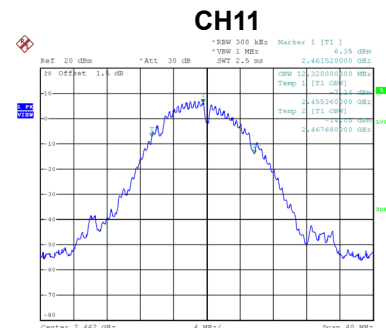
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	11.68	Complies
06	2437	13.52	Complies
11	2462	12.32	Complies



Date: 12.SEP.2020 10:18:54



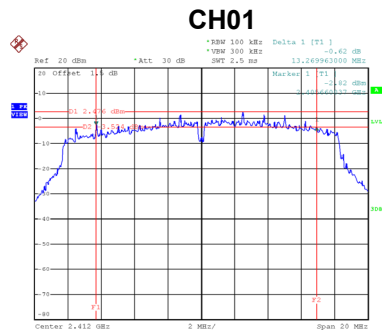
Date: 12.SEP.2020 10:23:38



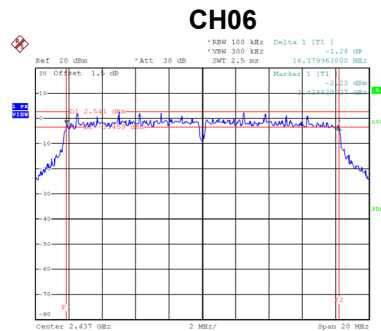
Date: 12.SEP.2020 10:26:29

Test Mode	TX G Mode
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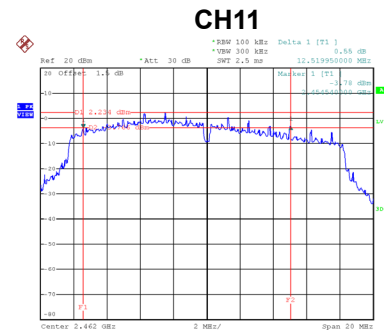
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	13.27	500	Complies
06	2437	16.38	500	Complies
11	2462	12.52	500	Complies



Date: 12.SEP.2020 10:36:20

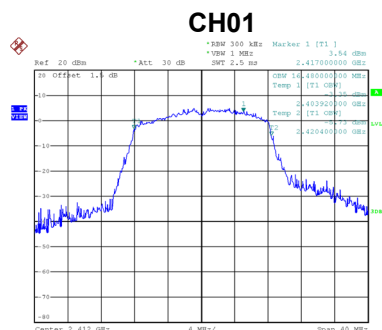


Date: 12.SEP.2020 10:37:57

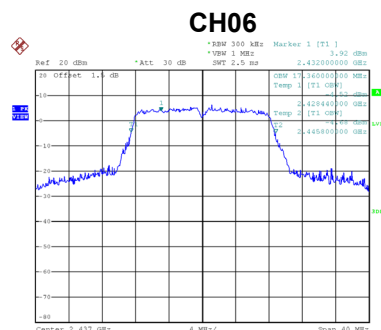


Date: 12.SEP.2020 10:39:53

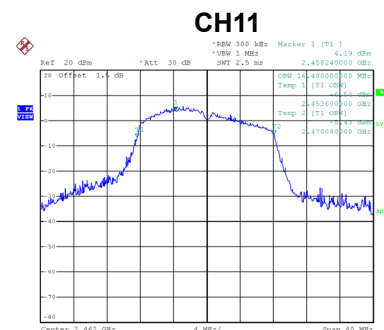
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	16.48	Complies
06	2437	17.36	Complies
11	2462	16.48	Complies



Date: 12.SEP.2020 10:36:27



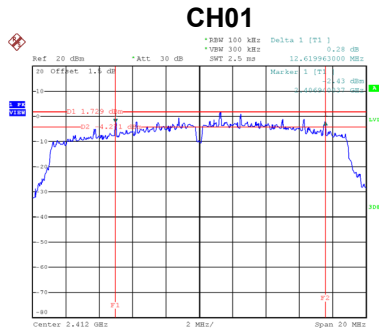
Date: 12.SEP.2020 10:38:04



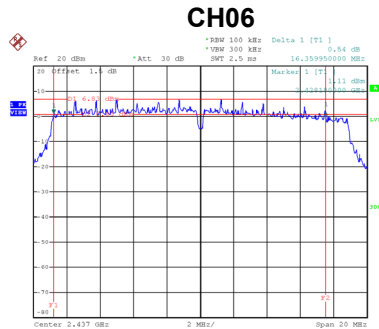
Date: 12.SEP.2020 10:40:00

Test Mode	TX N-20M Mode
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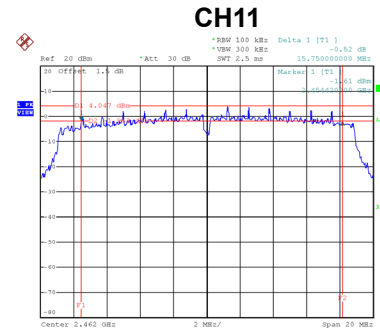
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	12.62	500	Complies
06	2437	16.36	500	Complies
11	2462	15.75	500	Complies



Date: 12.SEP.2020 10:41:44

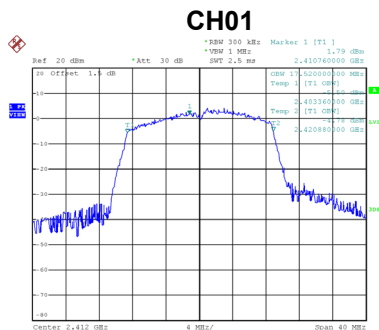


Date: 12.SEP.2020 10:42:58

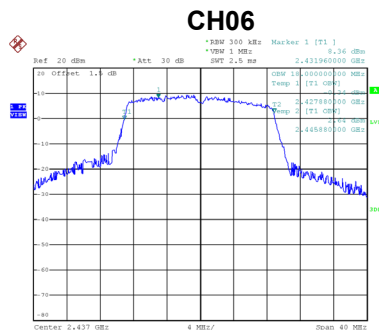


Date: 12.SEP.2020 10:45:12

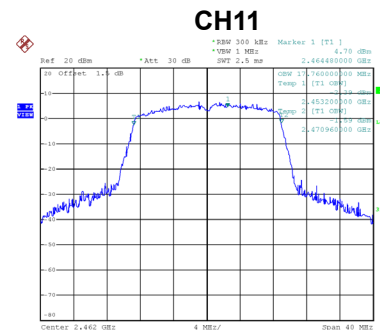
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	17.52	Complies
06	2437	18.00	Complies
11	2462	17.76	Complies



Date: 12.SEP.2020 10:41:50



Date: 12.SEP.2020 10:43:04



Date: 12.SEP.2020 10:45:19

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

Test Mode	TX B Mode
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Channel	Frequency (MHz)	Avg Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.02	0.00	14.02	30.00	1.0000	Complies
02	2417	16.64	0.00	16.64	30.00	1.0000	Complies
06	2437	16.74	0.00	16.74	30.00	1.0000	Complies
10	2457	16.57	0.00	16.57	30.00	1.0000	Complies
11	2462	13.91	0.00	13.91	30.00	1.0000	Complies

Test Mode	TX G Mode
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Channel	Frequency (MHz)	Avg Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.19	0.15	14.34	30.00	1.0000	Complies
02	2417	17.23	0.15	17.38	30.00	1.0000	Complies
06	2437	17.13	0.15	17.28	30.00	1.0000	Complies
10	2457	16.87	0.15	17.02	30.00	1.0000	Complies
11	2462	13.93	0.15	14.08	30.00	1.0000	Complies

Test Mode	TX N-20M Mode
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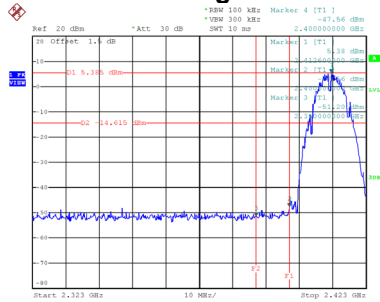
Channel	Frequency (MHz)	Avg Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.11	0.15	14.26	30.00	1.0000	Complies
02	2417	16.88	0.15	17.03	30.00	1.0000	Complies
06	2437	16.80	0.15	16.95	30.00	1.0000	Complies
10	2457	16.83	0.15	16.98	30.00	1.0000	Complies
11	2462	13.76	0.15	13.91	30.00	1.0000	Complies

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



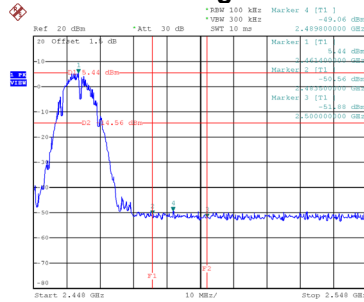
Test Mode TX B Mode

## Bandedge-CH01



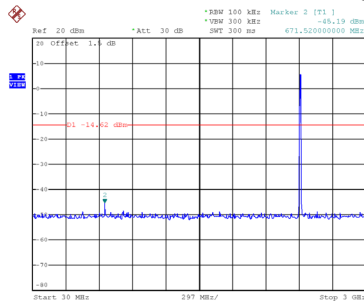
Date: 12.SEP.2020 10:19:01

## Bandedge-CH11

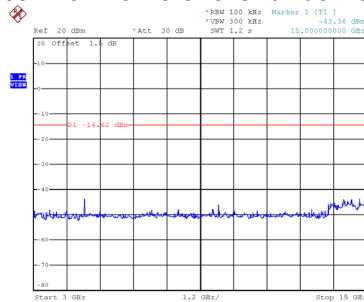


Date: 12.SEP.2020 10:26:36

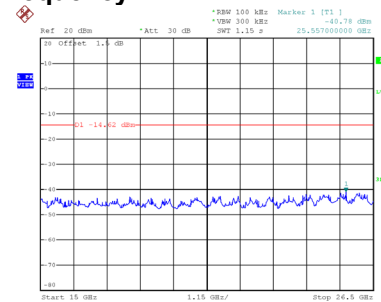
## CH01 – 10th Harmonic of the fundamental frequency



Date: 12.SEP.2020 10:19:13

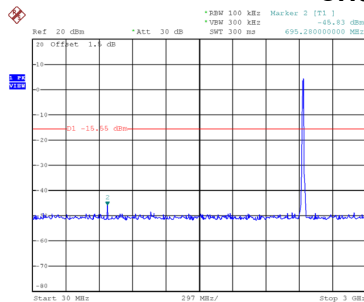


Date: 12.SEP.2020 10:19:21

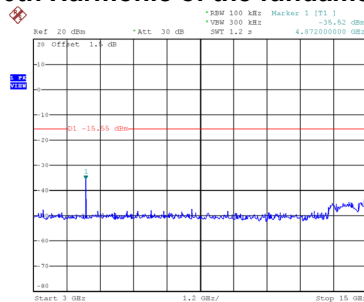


Date: 12.SEP.2020 10:19:27

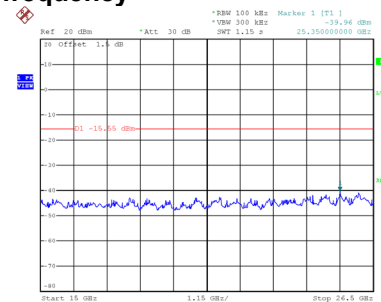
## CH06 – 10th Harmonic of the fundamental frequency



Date: 12.SEP.2020 10:23:58

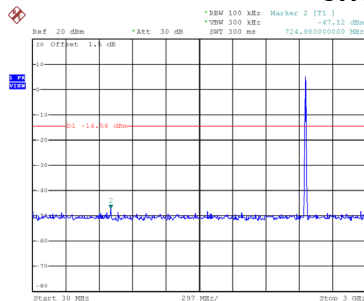


Date: 12.SEP.2020 10:24:05

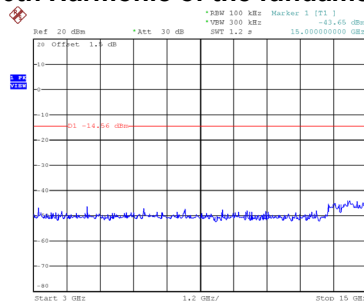


Date: 12.SEP.2020 10:24:11

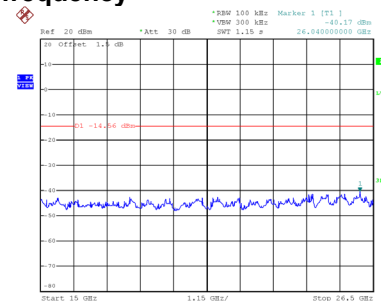
## CH11 – 10th Harmonic of the fundamental frequency



Date: 12.SEP.2020 10:26:48



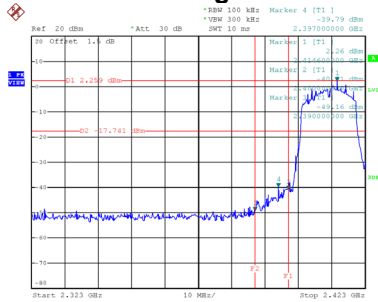
Date: 12.SEP.2020 10:26:55



Date: 12.SEP.2020 10:27:01

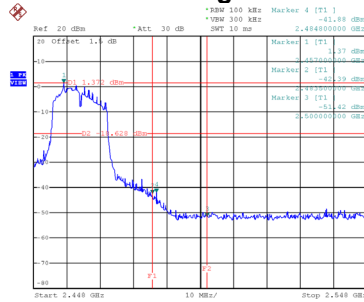
Test Mode TX G Mode

## Bandedge-CH01



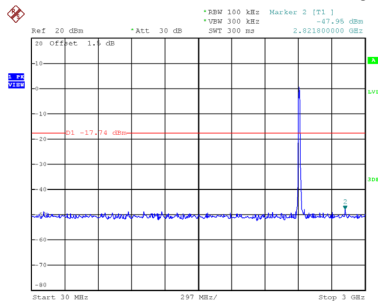
Date: 12.SEP.2020 10:36:34

## Bandedge-CH11

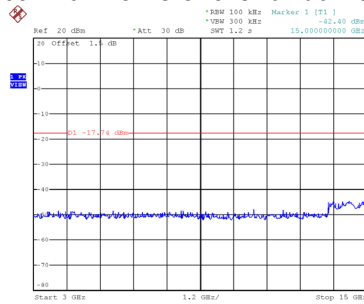


Date: 12.SEP.2020 10:40:06

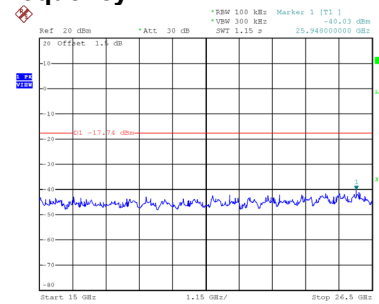
## CH01 – 10th Harmonic of the fundamental frequency



Date: 12.SEP.2020 10:36:46

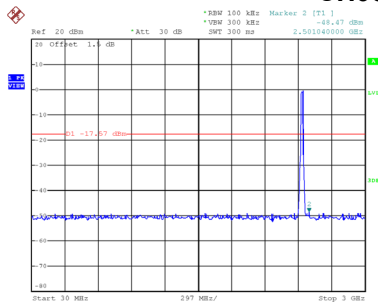


Date: 12.SEP.2020 10:36:53

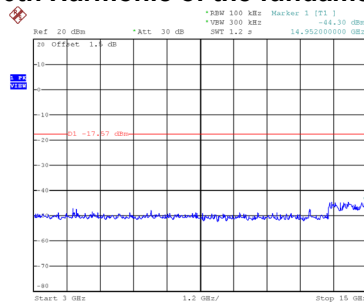


Date: 12.SEP.2020 10:37:00

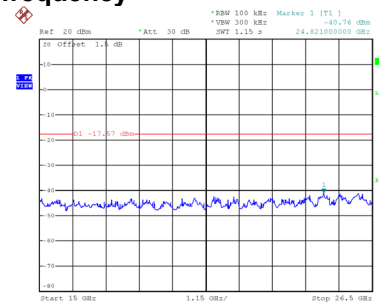
## CH06 – 10th Harmonic of the fundamental frequency



Date: 12.SEP.2020 10:38:23

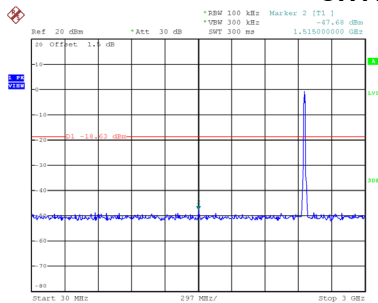


Date: 12.SEP.2020 10:38:30

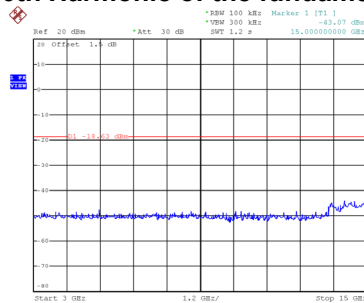


Date: 12.SEP.2020 10:38:37

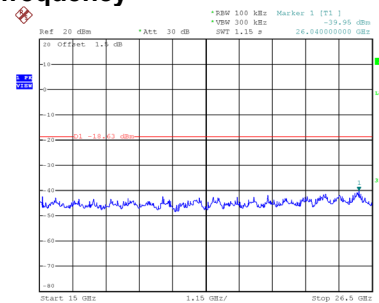
## CH11 – 10th Harmonic of the fundamental frequency



Date: 12.SEP.2020 10:40:19



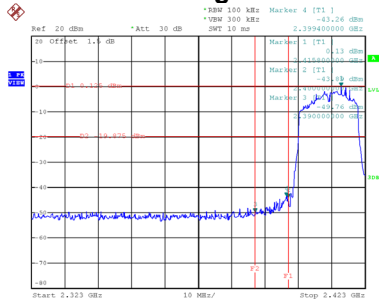
Date: 12.SEP.2020 10:40:26



Date: 12.SEP.2020 10:40:32

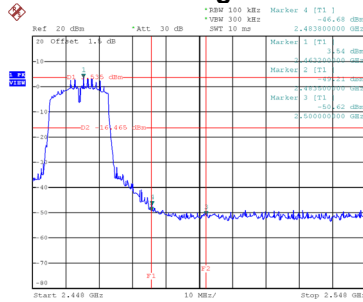
Test Mode TX N-20M Mode

## Bandedge-CH01



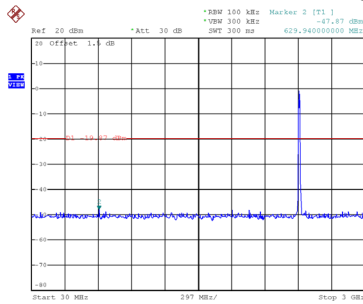
Date: 12.SEP.2020 10:41:57

## Bandedge-CH11

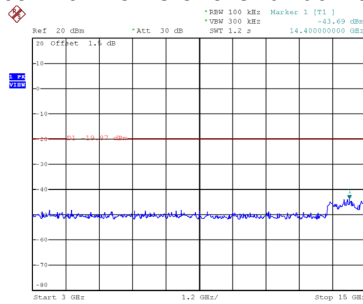


Date: 12.SEP.2020 10:45:26

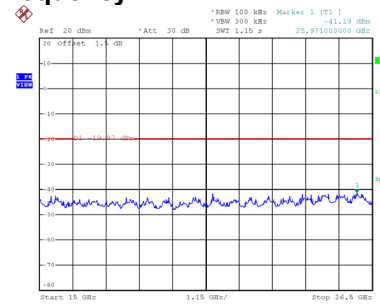
## CH01 – 10th Harmonic of the fundamental frequency



Date: 12.SEP.2020 10:42:10

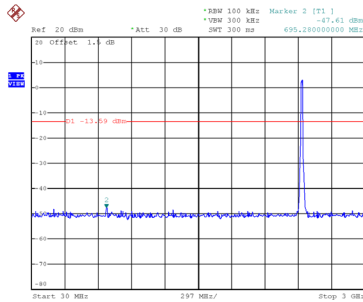


Date: 12.SEP.2020 10:42:16

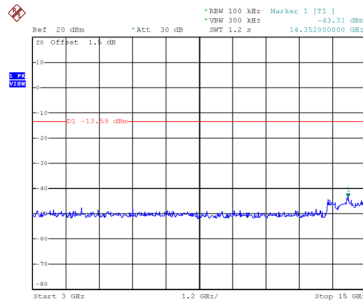


Date: 12.SEP.2020 10:42:23

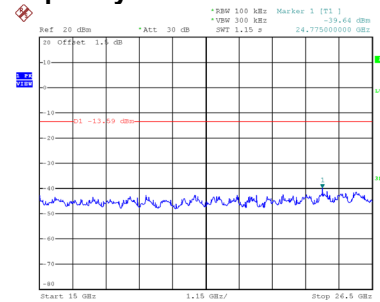
## CH06 – 10th Harmonic of the fundamental frequency



Date: 12.SEP.2020 10:43:24

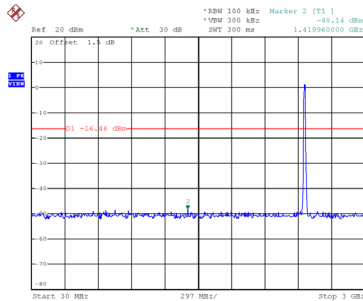


Date: 12.SEP.2020 10:43:30

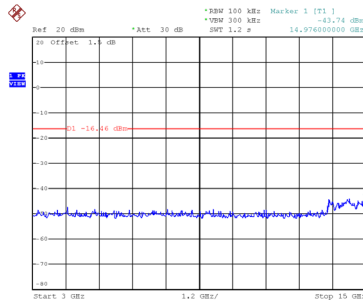


Date: 12.SEP.2020 10:43:37

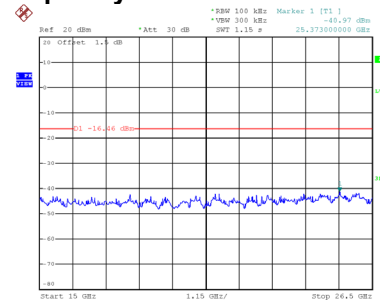
## CH11 – 10th Harmonic of the fundamental frequency



Date: 12.SEP.2020 10:45:39



Date: 12.SEP.2020 10:45:46

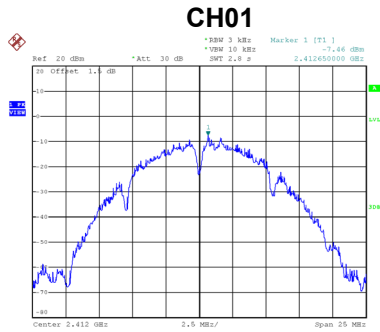


Date: 12.SEP.2020 10:45:52

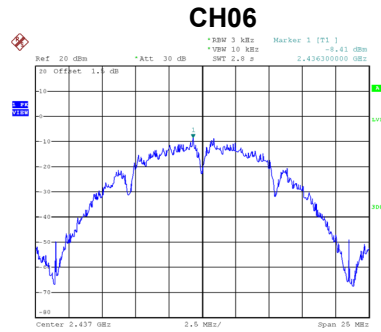
## **APPENDIX H - POWER SPECTRAL DENSITY**

Test Mode	TX B Mode
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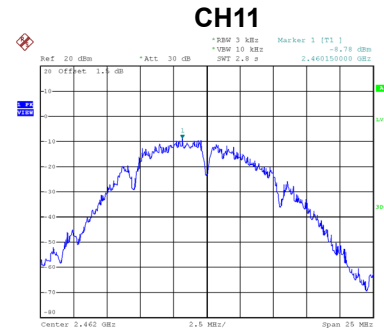
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-7.46	8	Complies
06	2437	-8.41	8	Complies
11	2462	-8.78	8	Complies



Date: 12.SEP.2020 10:18:22



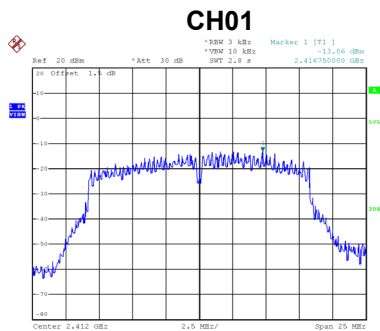
Date: 12.SEP.2020 10:23:07



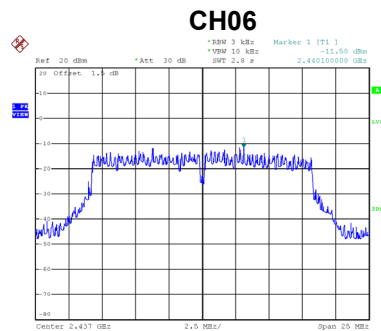
Date: 12.SEP.2020 10:25:55

Test Mode	TX G Mode
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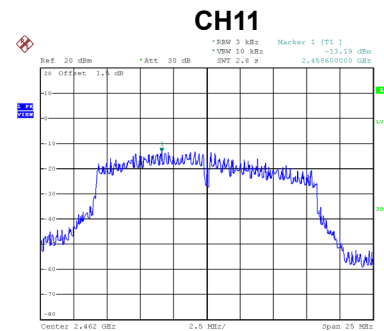
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-13.06	8	Complies
06	2437	-11.50	8	Complies
11	2462	-13.19	8	Complies



Date: 12.SEP.2020 10:36:01



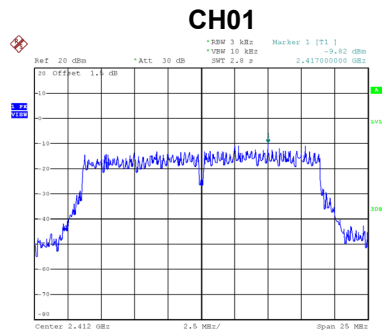
Date: 12.SEP.2020 10:38:45



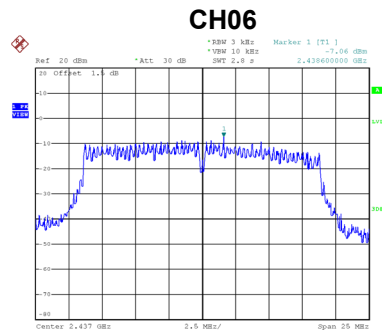
Date: 12.SEP.2020 10:40:41

Test Mode	TX N-20M Mode
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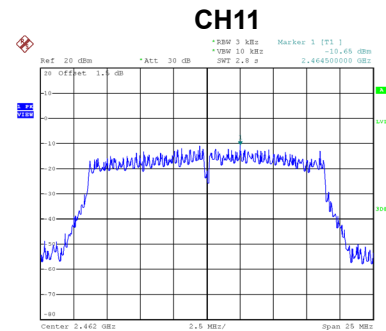
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-9.82	8	Complies
06	2437	-7.06	8	Complies
11	2462	-10.65	8	Complies



Date: 12.SEP.2020 10:42:31



Date: 12.SEP.2020 10:43:46



Date: 12.SEP.2020 10:46:00

End of Test Report