

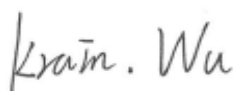
# FCC Radio Test Report

## FCC ID: 2AG7C-SPEED9S

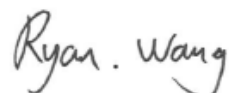
This report concerns: Original Grant

**Project No.** : 2003H043  
**Equipment** : CAMERA  
**Brand Name** : N/A  
**Test Model** : Speed 9S  
**Series Model** : Speed 9X  
**Applicant** : Hangzhou Meari Technology Co., Ltd.  
**Address** : No.91, Chutian Road, Xixing Block, Binjiang, Hangzhou, China 310051  
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**Date of Receipt** : Mar. 30, 2020  
**Date of Test** : Apr. 03, 2020 ~ Apr. 24, 2020  
**Issued Date** : Apr. 29, 2020  
**Report Version** : R00  
**Test Sample** : Engineering Sample No.: SH202004013-2, SH202004013-1  
**Standard(s)** : FCC Part15, Subpart C (15.247)  
 ANSI C63.10-2013  
 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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**BTL** represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

**BTL's** reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

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**BTL** is not responsible for the sampling stage, so the results only apply to the sample as received.

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.	Apr. 29, 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. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China  
BTL's Test Firm Registration Number for FCC: 476765  
BTL's Designation Number for FCC: CN1241

## 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)
SH-C01	CISPR	9 kHz ~ 150 MHz	2.92

### B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
SH-CB01	CISPR	9 KHz~30 MHz	V	3.79
		9 KHz~30 MHz	H	3.57
		30 MHz~200 MHz	V	4.04
		30 MHz~200 MHz	H	3.76
		200 MHz~1,000 MHz	V	4.24
		200 MHz~1,000 MHz	H	3.84
		1 GHz~18 GHz	V	4.46
		1 GHz~18 GHz	H	4.40
		18 GHz~40 GHz	V	3.95
		18 GHz~40 GHz	H	3.95

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	18°C	45%	AC 120V/60Hz	Bill Dong
Radiated Emissions-9K-30MHz	18°C	45%	AC 120V/60Hz	Bill Dong
Radiated Emissions-30 MHz to 1GHz	20°C	46%	AC 120V/60Hz	Vince Zong
Radiated Emissions-Above 1000 MHz	20°C	46%	AC 120V/60Hz	Vince Zong
Bandwidth	18°C	45%	AC 120V/60Hz	Bill Dong
Maximum output power & e.i.r.p.	18°C	45%	AC 120V/60Hz	Bill Dong
Conducted Spurious Emissions	18°C	45%	AC 120V/60Hz	Bill Dong
Power Spectral Density	18°C	45%	AC 120V/60Hz	Bill Dong



## 2. GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

Equipment	CAMERA
Brand Name	N/A
Test Model	Speed 9S
Series Model	Speed 9X
Model Difference(s)	Only model names and flash are different
Software Version	ppstrong-c5-tuya2_std-2.9.5
Hardware Version	PCB-SPEED9S-H1MB_F37 REV1_0
Power Source	DC voltage supplied from AC/DC adapter. Brand/Model: SZTY/ TPA-46B050100UU
Power Rating	I/P: 100-240V ~ 50/60Hz 0.2A O/P: 5.0V --- 1000mA
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 150 Mbps
Maximum Output Power	IEEE 802.11b: 14.81 dBm (0.0303 W) IEEE 802.11g: 26.08 dBm (0.4055 W) IEEE 802.11n (HT20): 25.94 dBm (0.3926 W) IEEE 802.11n (HT40): 25.67 dBm (0.3690 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) CH03 - CH09 for IEEE 802.11n (HT40)							
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)	Note
1	N/A	N/A	Integral	N/A	3	N/A

## 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 N-40 MHz Mode Channel 03/06/09
Mode 5	TX G Mode Channel 11

Following mode(s) as (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 5	TX G Mode Channel 11

Radiated emissions test - Below 1GHz	
Final Test Mode:	Description
Mode 5	TX G Mode Channel 11

Radiated emissions test- Above 1GHz	
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
Mode 4	TX N-40 MHz Mode Channel 03/06/09

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
Mode 4	TX N-40 MHz Mode Channel 03/06/09

**NOTE:**

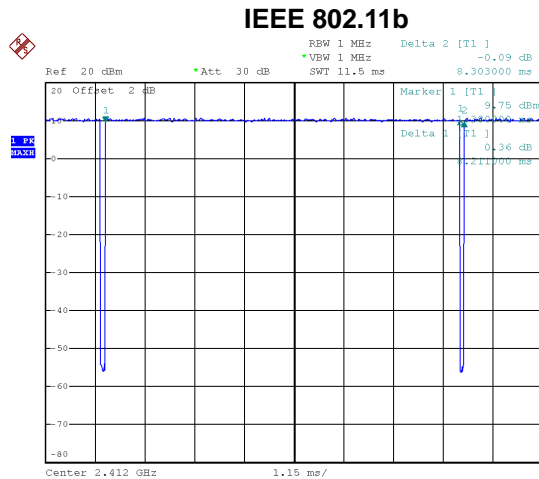
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: CCK (1 Mbps)  
802.11g mode: OFDM (6 Mbps)  
802.11n HT20 mode : BPSK (6.5 Mbps)  
802.11n HT40 mode : BPSK (13.5 Mbps)  
For radiated emission tests, the highest output powers were set for final test.
- (3) For radiated emission below 1 GHz test, the IEEE 802.11g Channel 11 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.

## 2.3 PARAMETERS OF TEST SOFTWARE

Test Software	MPTOOL		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	32	30	30
IEEE 802.11g	62	59	56
IEEE 802.11n (HT20)	59	59	56
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	56	56	53

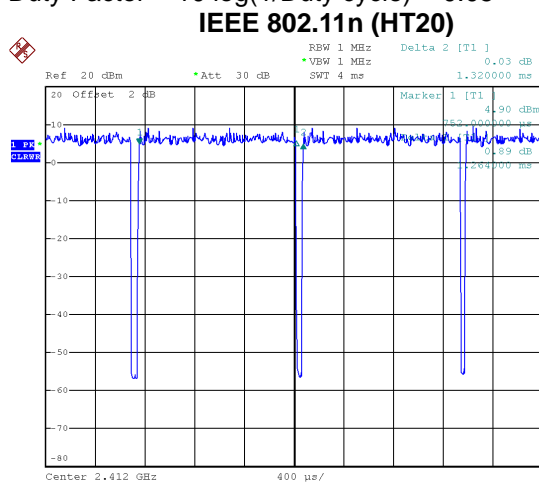
## 2.4 DUTY CYCLE

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.



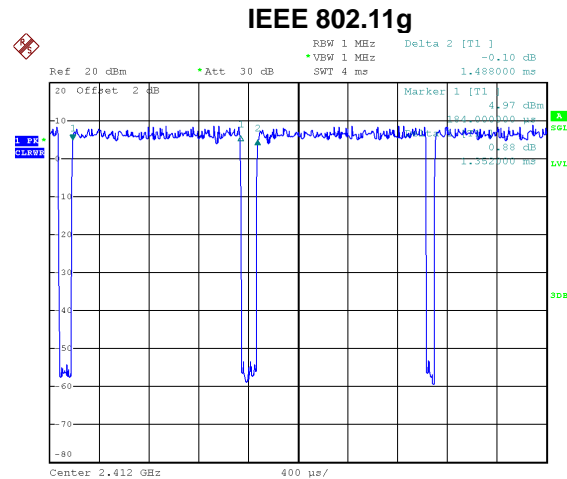
Date: 9.APR.2020 10:58:58

Duty cycle =  $8.211 \text{ ms} / 8.303 \text{ ms} = 98.89\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.05$



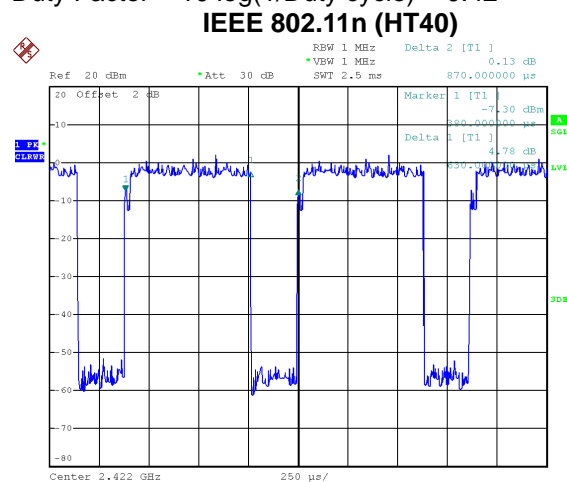
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Duty cycle =  $1.264 \text{ ms} / 1.320 \text{ ms} = 95.76\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.19$ ,



Date: 9.APR.2020 10:59:42

Duty cycle =  $1.352 \text{ ms} / 1.488 \text{ ms} = 90.86\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.42$



Date: 9.APR.2020 11:02:20

Duty cycle =  $0.630 \text{ ms} / 0.870 \text{ ms} = 72.41\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 1.40$

### NOTE:

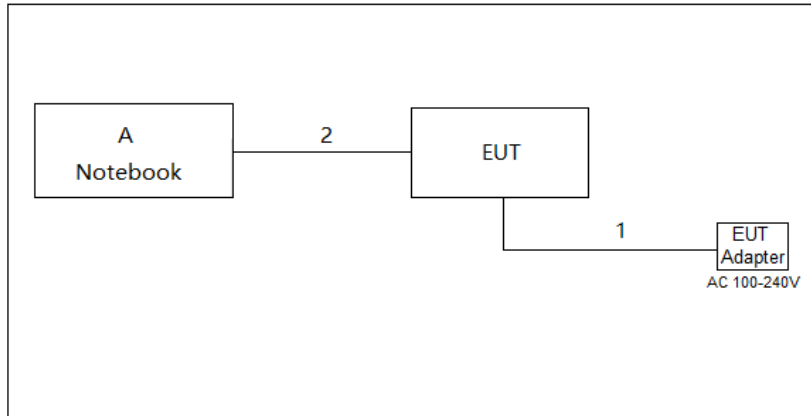
For IEEE 802.11g and IEEE 802.11n (HT20):

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  $< 98\%$ ).

For IEEE 802.11n (HT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 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.
A	Notebook	DELL	2017AP5019	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	2m
2	USB	NO	NO	0.2m

### 3. AC POWER LINE CONDUCTED EMISSIONS TEST

#### 3.1 LIMIT

Frequency of Emission (MHz)	Limit (dBμV)	
	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

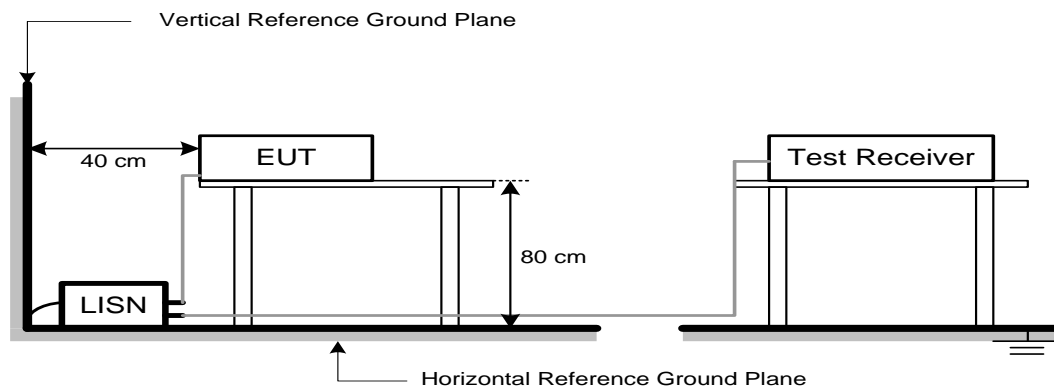
#### 3.2 TEST PROCEDURE

- 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)	(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).
- (4) The test result calculated as following:  
 Measurement Value = Reading Level + Correct Factor  
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)  
 Margin Level = Measurement Value - Limit Value



Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	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

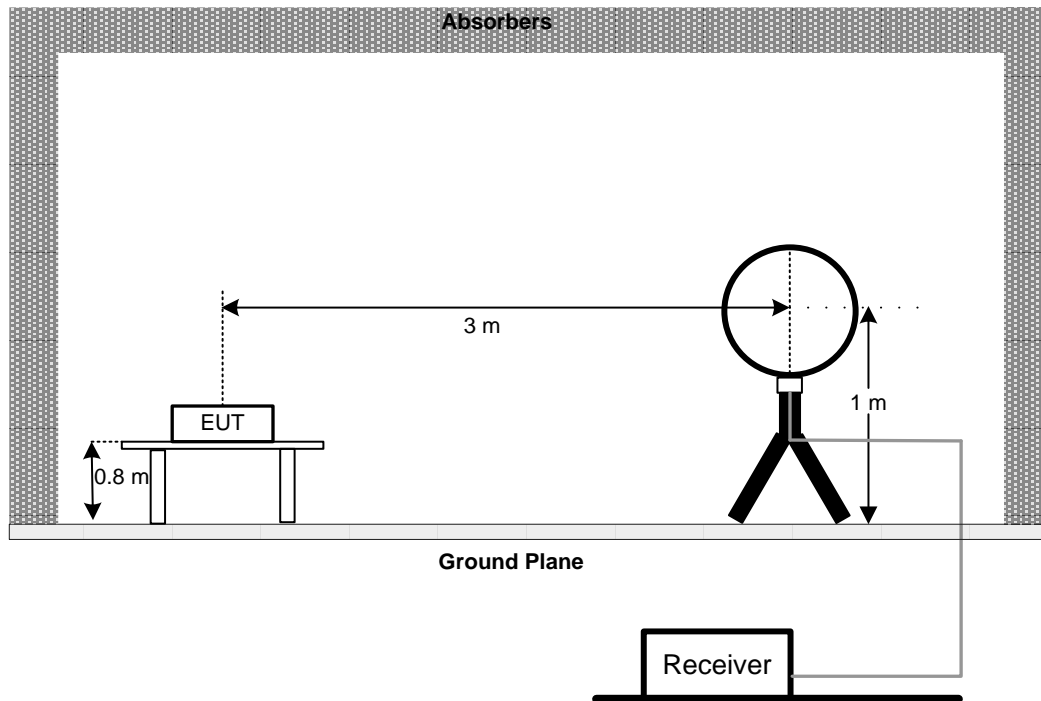
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- The measuring distance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

## 4.3 DEVIATION FROM TEST STANDARD

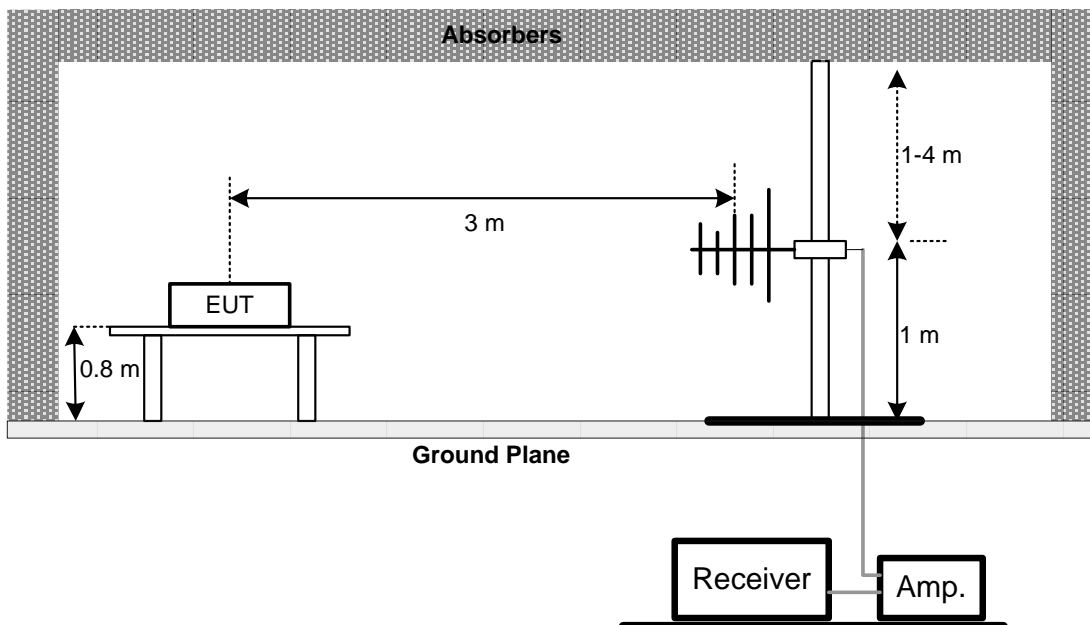
No deviation

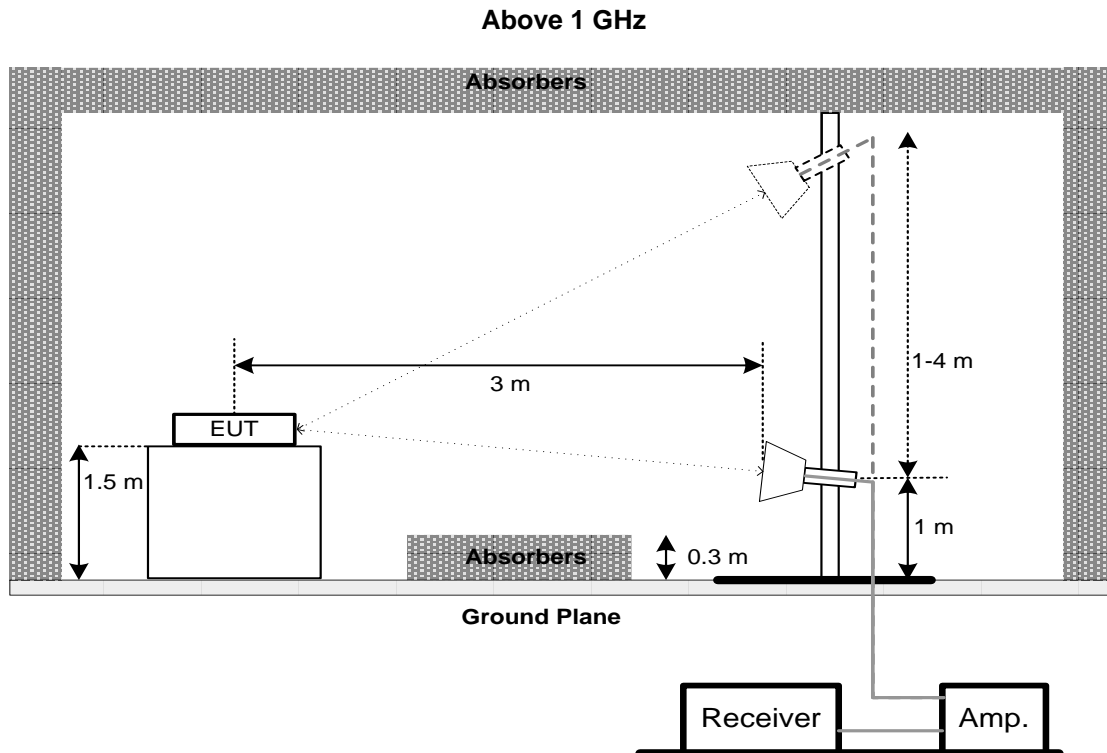
## 4.4 TEST SETUP

### 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	-

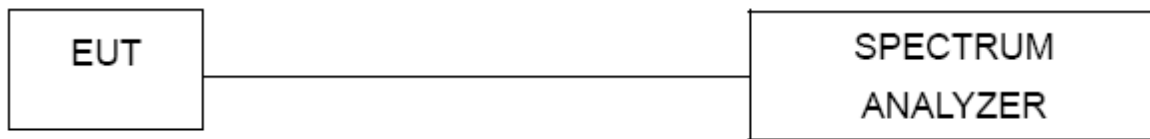
### 5.2 TEST PROCEDURE

- 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.
  - For 99% Emission Bandwidth N-40 Mode: RBW= 1 MHz, VBW=3 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 11.9.1.3 (for peak power) or 11.9.2.3.1 (for AVG power) 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.

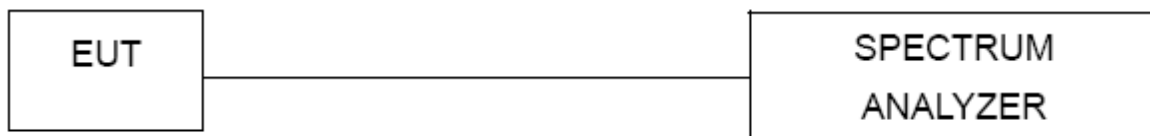
### 7.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- 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	Line Impedance Stabilisation Network	Schwarzbeck	NNLK 8121	8121-822	Mar. 21, 2021
2	TWO-LINE V-NETWORK	R&S	ENV216	101340	Sep. 01, 2020
3	Test Cable	emci	EMCRG400-BM-N M-10000	170628	Jul. 15, 2020
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 28, 2021
5	50Ω Terminator	SHX	TF2-1G-A	17051602	Mar. 21, 2021
6	50Ω coaxial switch	Anritsu	MP59B	6201750902	Mar. 21, 2021
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EMCI	EMCI LPA600	275	Mar. 28, 2021
2	EMI Test Receiver	R&S	ESCI	100082	Mar. 28, 2021
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	719	Mar. 28, 2021
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 21, 2021
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 21, 2021
4	Test Cable	emci	EMC104-SM-SM-7 000	170330	Apr. 16, 2021
5	Test Cable	emci	EMC104-SM-SM-1 000	170331	Apr. 16, 2021
6	Test Cable	emci	EMC104-SM-NM-3 500	170621	Apr. 16, 2021
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A



### Radiated Emissions - Above 1 GHz

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	9120D	00206960	Mar. 28, 2021
2	Pre-Amplifier	emci	EMC012645SE	980421	Mar. 28, 2021
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Mar. 21, 2021
4	Test Cable	emci	EMC104-SM-SM-7000	170330	Apr. 16, 2021
5	Test Cable	emci	EMC104-SM-SM-1000	170331	Apr. 16, 2021
6	Test Cable	emci	EMC104-SM-NM-3500	170621	Apr. 16, 2021
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 28, 2021

### Bandwidth

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 21, 2021

### Maximum Output Power

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyze	Keysight	8990B	MY51000507	Mar. 21, 2021
2	Wideband Power Sensor	Keysight	N9123A	MY58310003	Mar. 21, 2021

### Antenna Conducted Spurious Emissions

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 21, 2021

### Power Spectral Density

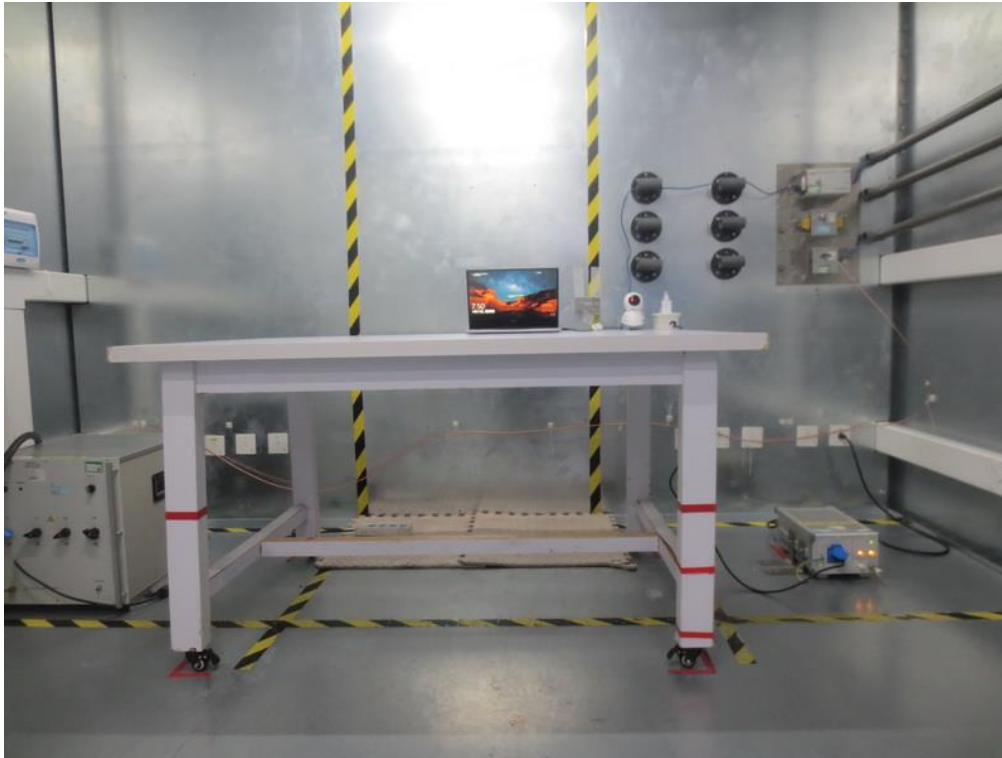
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 21, 2021

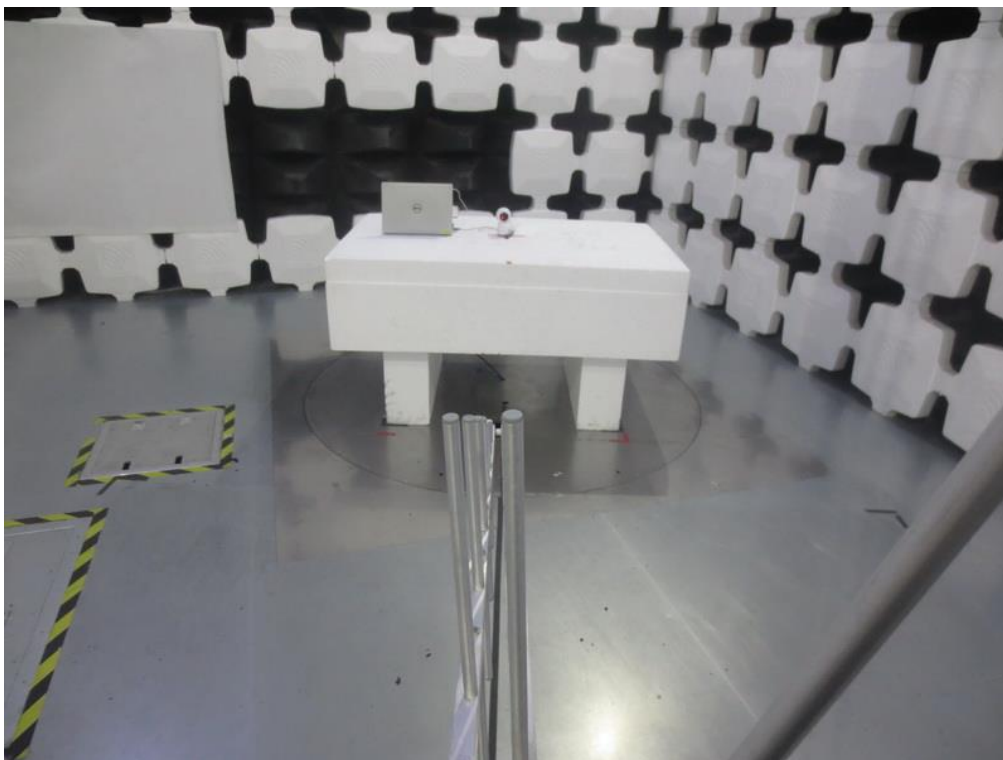
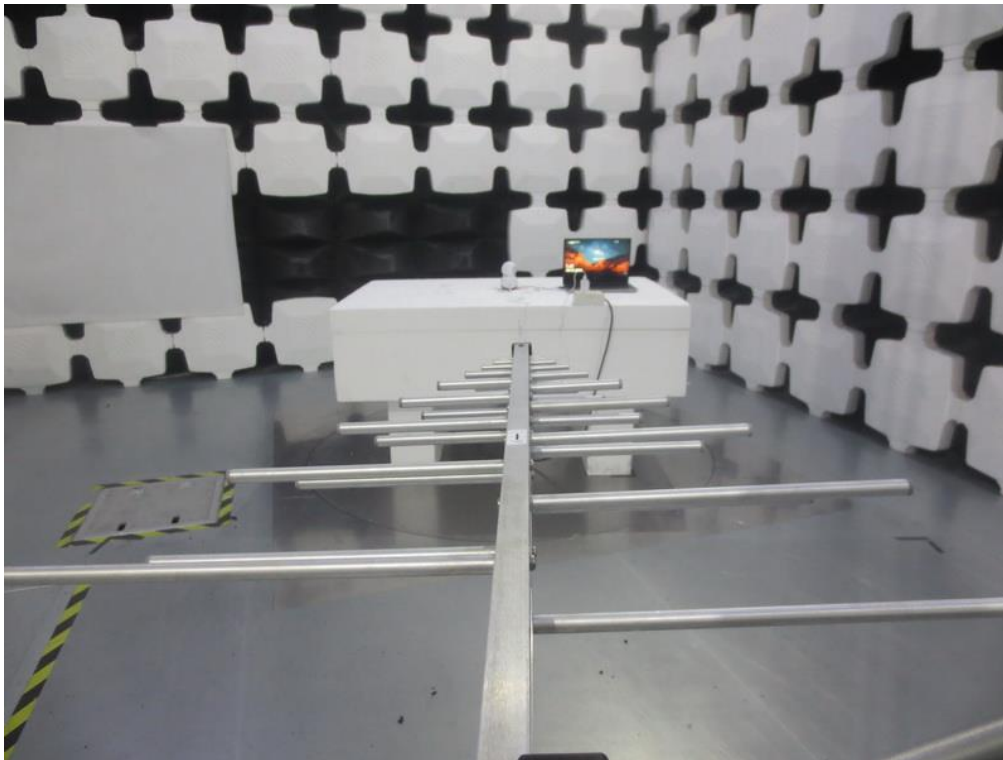
Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

## 10. EUT TEST PHOTO

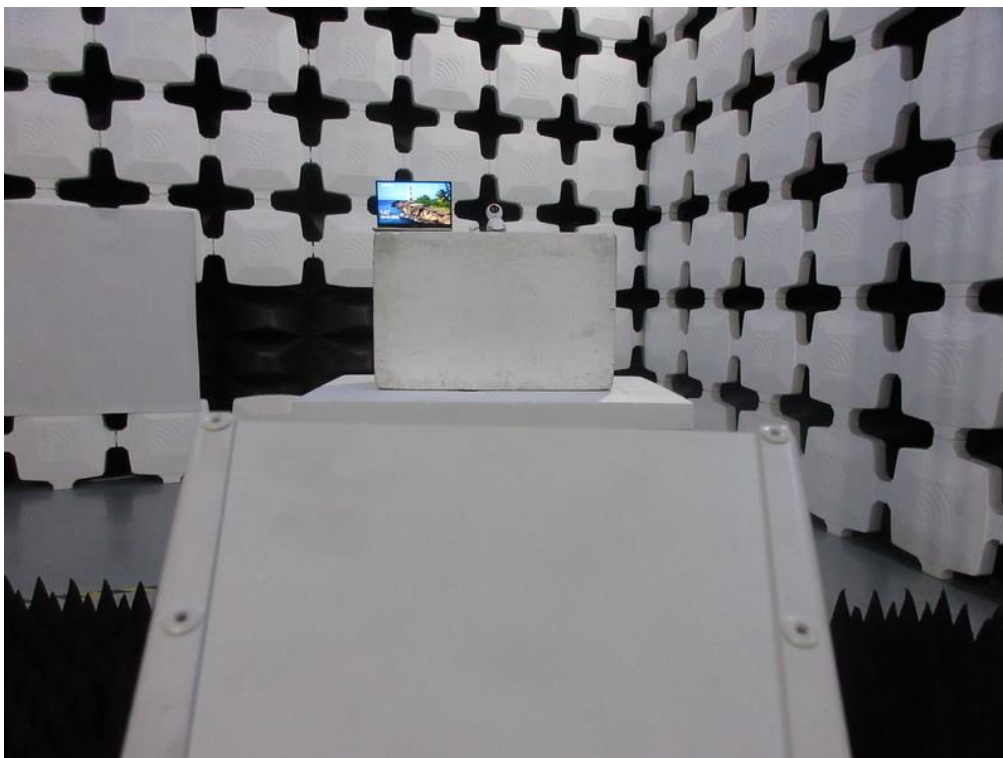
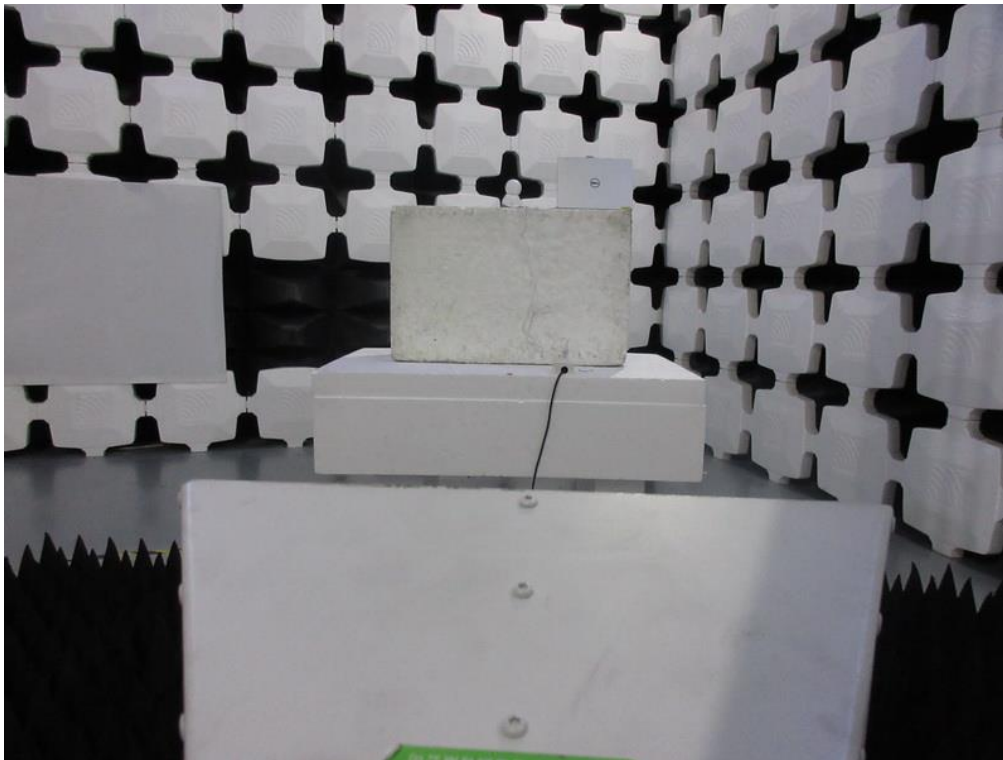
### Conducted Emissions Test Photos



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

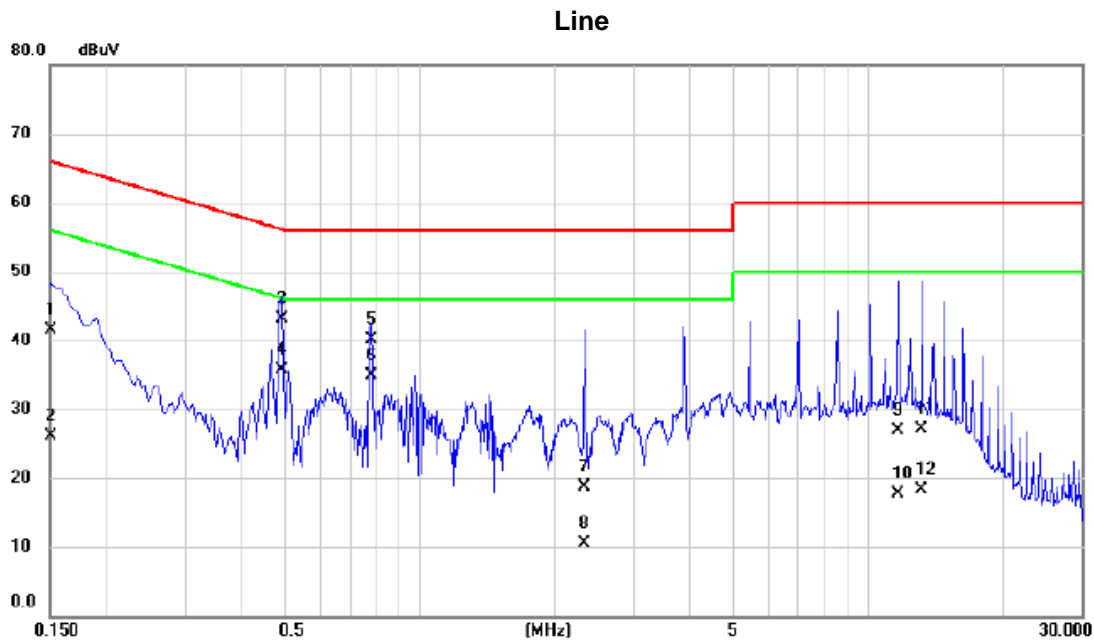
# Radiated Emissions Test Photos

Above 1 GHz



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

Test Mode: TX G Mode Channel 11



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	31.70	9.73	41.43	66.00	-24.57	QP	
2		0.1500	16.40	9.73	26.13	56.00	-29.87	AVG	
3		0.4920	33.20	9.90	43.10	56.13	-13.03	QP	
4	*	0.4920	25.90	9.90	35.80	46.13	-10.33	AVG	
5		0.7800	30.20	9.81	40.01	56.00	-15.99	QP	
6		0.7800	25.00	9.81	34.81	46.00	-11.19	AVG	
7		2.3280	8.80	9.82	18.62	56.00	-37.38	QP	
8		2.3280	0.60	9.82	10.42	46.00	-35.58	AVG	
9		11.7015	16.70	10.20	26.90	60.00	-33.10	QP	
10		11.7015	7.60	10.20	17.80	50.00	-32.20	AVG	
11		13.2180	17.00	10.19	27.19	60.00	-32.81	QP	
12		13.2180	8.20	10.19	18.39	50.00	-31.61	AVG	

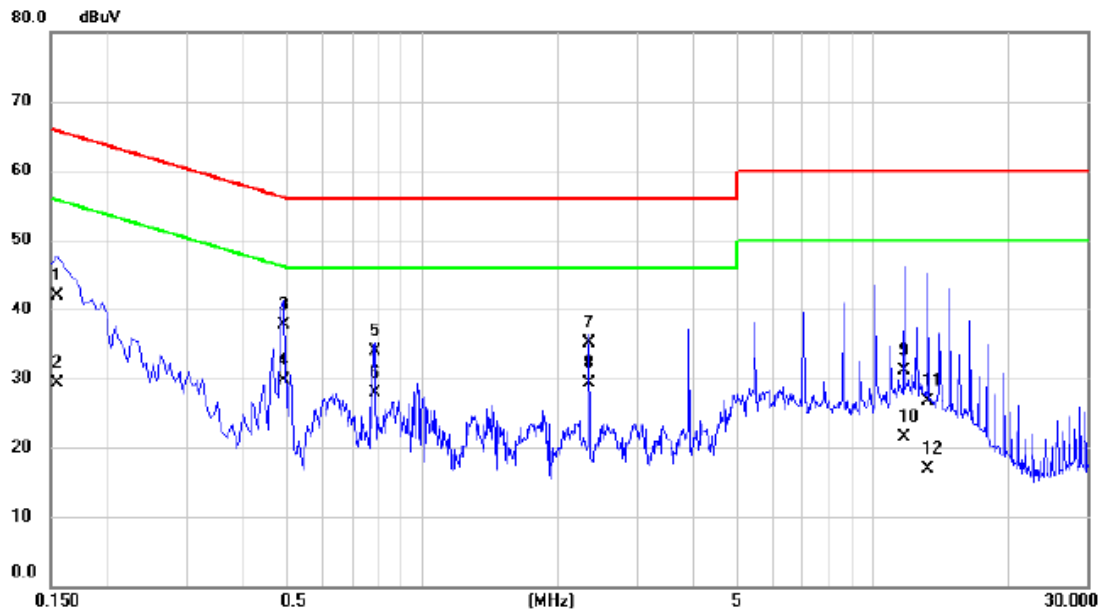
## REMARKS:

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



Test Mode: TX G Mode Channel 11

## Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1545	32.20	9.61	41.81	65.75	-23.94	QP	
2		0.1545	19.70	9.61	29.31	55.75	-26.44	AVG	
3		0.4920	28.00	9.69	37.69	56.13	-18.44	QP	
4	*	0.4920	20.00	9.69	29.69	46.13	-16.44	AVG	
5		0.7845	24.20	9.71	33.91	56.00	-22.09	QP	
6		0.7845	18.10	9.71	27.81	46.00	-18.19	AVG	
7		2.3460	25.20	9.81	35.01	56.00	-20.99	QP	
8		2.3460	19.50	9.81	29.31	46.00	-16.69	AVG	
9		11.7285	21.00	10.16	31.16	60.00	-28.84	QP	
10		11.7285	11.30	10.16	21.46	50.00	-28.54	AVG	
11		13.2945	16.60	10.15	26.75	60.00	-33.25	QP	
12		13.2945	6.80	10.15	16.95	50.00	-33.05	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**

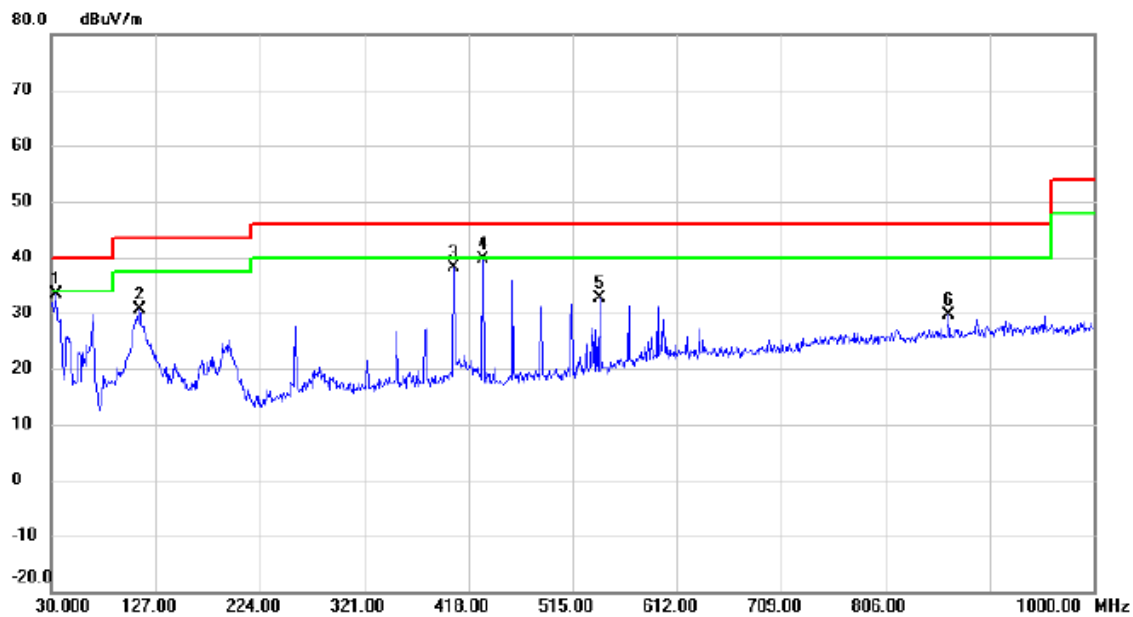
Note: Below 30MHz, The measured value have enough margin over 20dB than the limit,  
therefore they are not reported



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

Test Mode: TX G Mode Channel 11

## Vertical



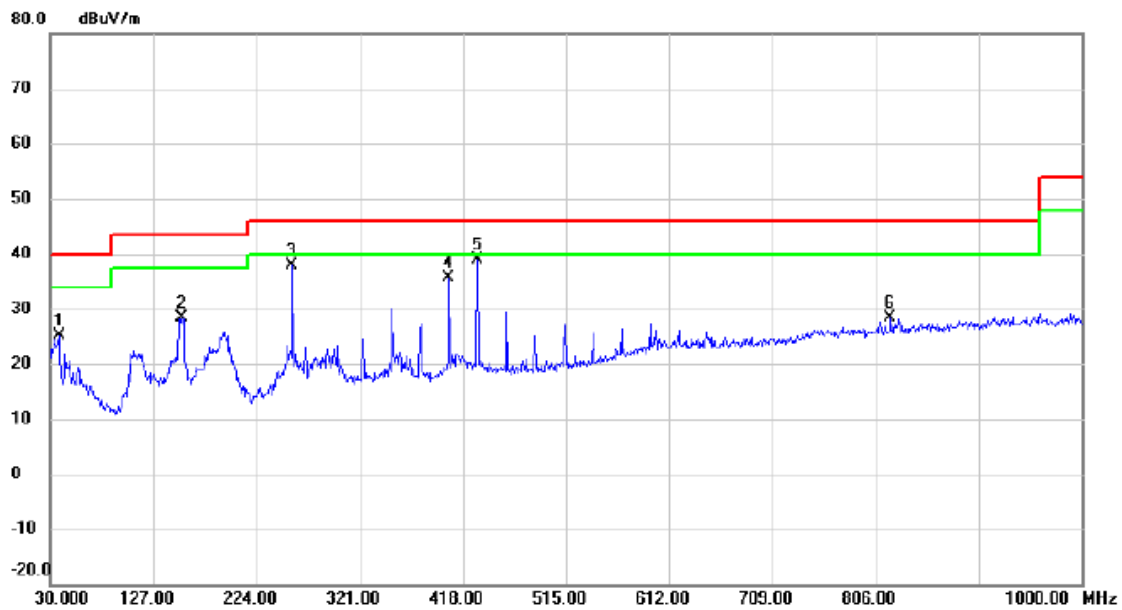
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		34.3650	50.53	-17.27	33.26	40.00	-6.74	peak	
2		111.9650	48.50	-17.95	30.55	43.50	-12.95	peak	
3		404.9050	51.88	-13.69	38.19	46.00	-7.81	peak	
4	*	432.0650	52.68	-12.95	39.73	46.00	-6.27	peak	
5		540.2200	44.06	-11.51	32.55	46.00	-13.45	peak	
6		864.2000	35.39	-5.86	29.53	46.00	-16.47	peak	

### REMARKS:

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

Test Mode: TX G Mode Channel 11

## Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		37.7600	41.87	-16.66	25.21	40.00	-14.79	peak	
2		153.1900	43.29	-14.96	28.33	43.50	-15.17	peak	
3		256.9800	54.38	-16.57	37.81	46.00	-8.19	peak	
4		404.9050	49.30	-13.69	35.61	46.00	-10.39	peak	
5	*	432.0650	51.85	-12.95	38.90	46.00	-7.10	peak	
6		819.5800	34.56	-6.29	28.27	46.00	-17.73	peak	

### REMARKS:

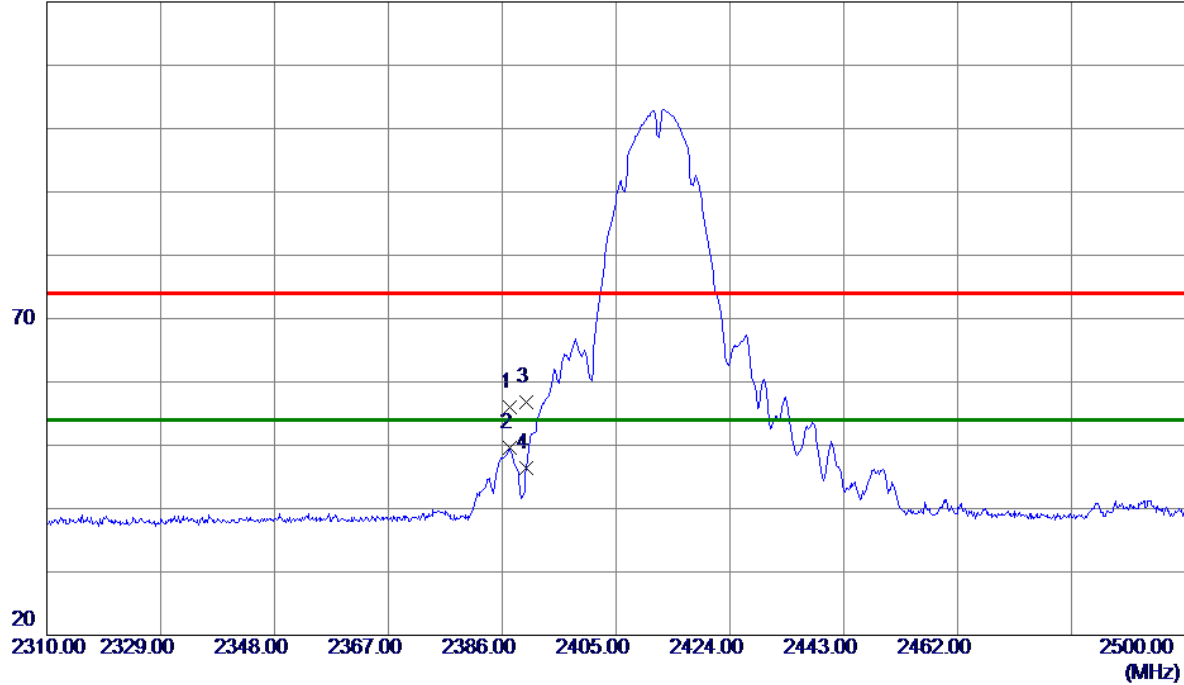
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

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

Test Mode: TX B Mode 2412 MHz

## Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2387.2350	23.68	32.39	56.07	74.00	-17.93	Peak	
2 *	2387.2350	17.15	32.39	49.54	54.00	-4.46	AVG	
3	2390.0000	24.33	32.39	56.72	74.00	-17.28	Peak	
4	2390.0000	14.00	32.39	46.39	54.00	-7.61	AVG	

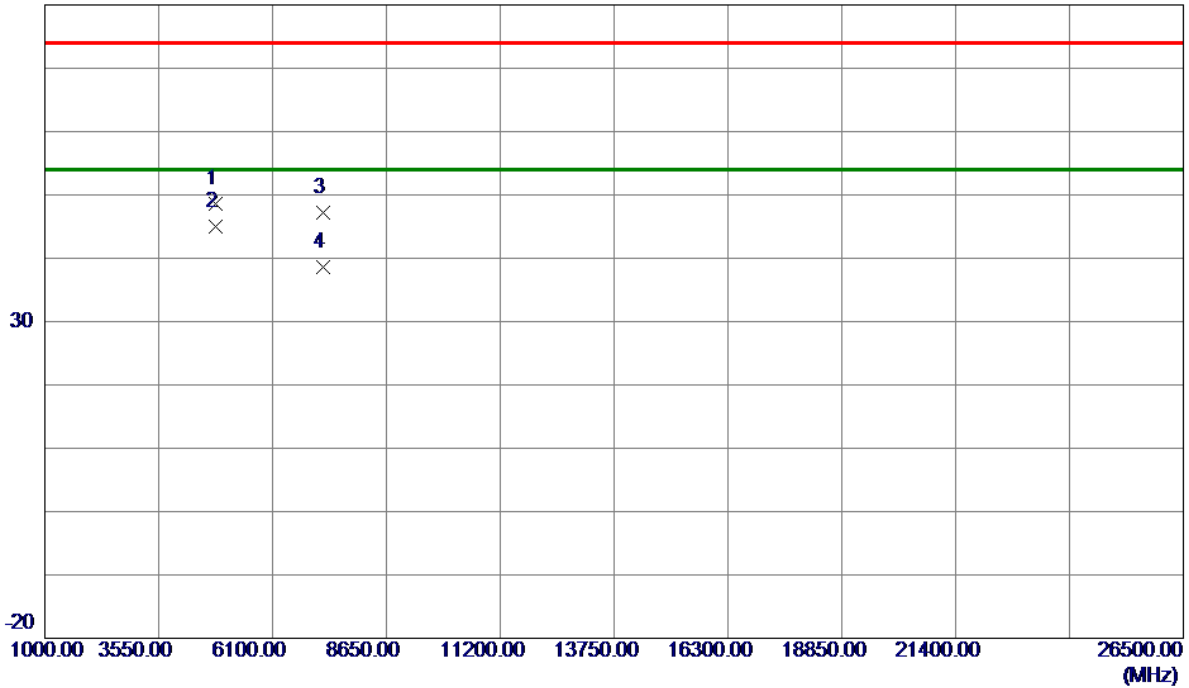
### REMARKS:

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

Test Mode: TX B 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	4825.0000	62.18	-13.54	48.64	74.00	-25.36	Peak	
2 *	4825.0000	58.63	-13.54	45.09	54.00	-8.91	AVG	
3	7237.3000	53.30	-6.16	47.14	74.00	-26.86	Peak	
4	7237.3000	44.73	-6.16	38.57	54.00	-15.43	AVG	

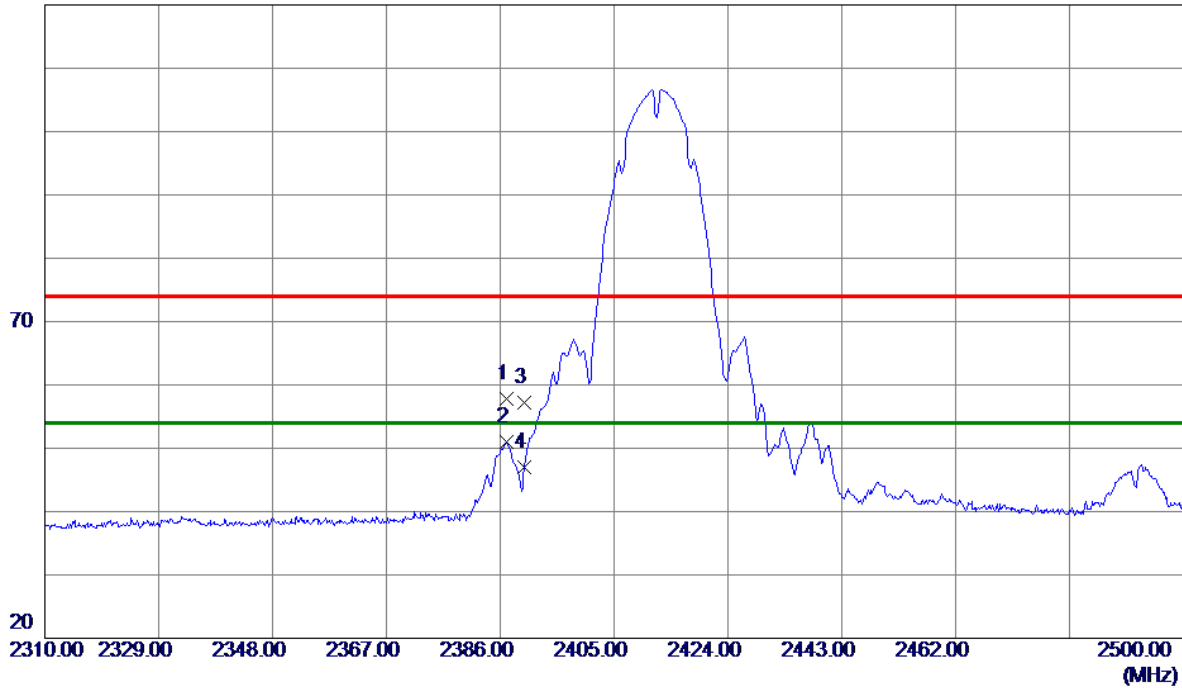
### REMARKS:

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

Test Mode: TX B Mode 2412 MHz

## Horizontal

120 dBuV/m



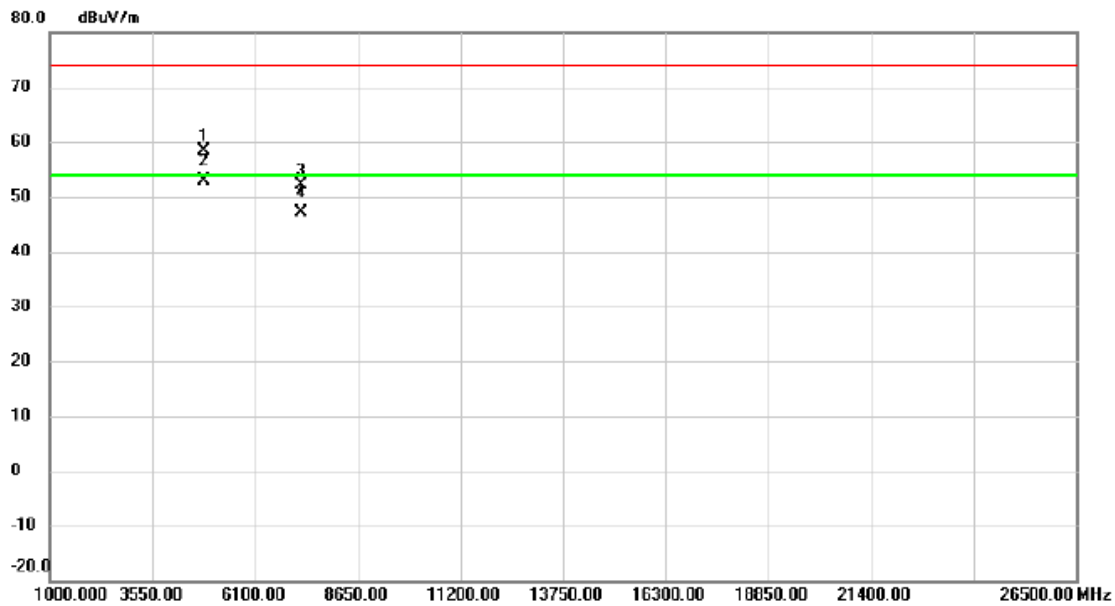
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2387.1399	25.51	32.38	57.89	74.00	-16.11	Peak	
2 *	2387.1399	18.60	32.38	50.98	54.00	-3.02	AVG	
3	2390.0000	24.72	32.39	57.11	74.00	-16.89	Peak	
4	2390.0000	14.66	32.39	47.05	54.00	-6.95	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	4825.000	71.94	-13.55	58.39	74.00	-15.61	peak	
2 *	4825.000	66.54	-13.55	52.99	54.00	-1.01	AVG	
3	7234.750	58.22	-6.17	52.05	74.00	-21.95	peak	
4	7234.750	53.38	-6.17	47.21	54.00	-6.79	AVG	

### REMARKS:

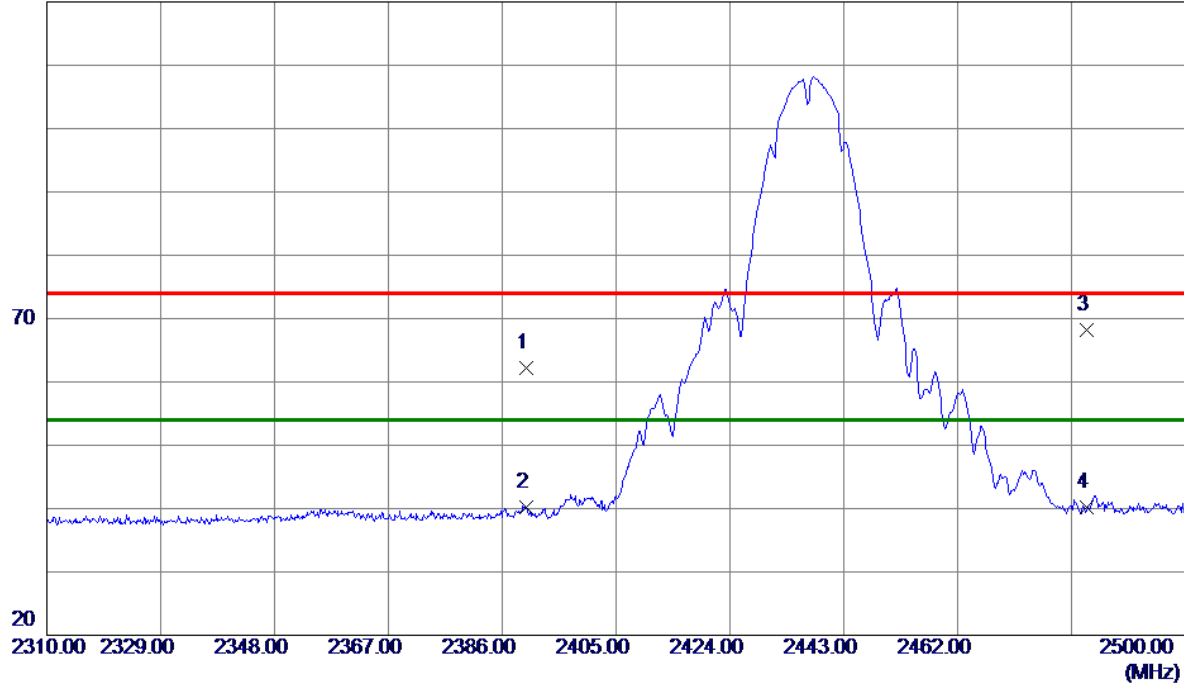
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.



Test Mode: TX B Mode 2437 MHz

## Vertical

120 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	29.74	32.39	62.13	74.00	-11.87	Peak	
2	2390.0000	7.76	32.39	40.15	54.00	-13.85	AVG	
3 *	2483.5000	35.63	32.66	68.29	74.00	-5.71	Peak	
4	2483.5000	7.46	32.66	40.12	54.00	-13.88	AVG	

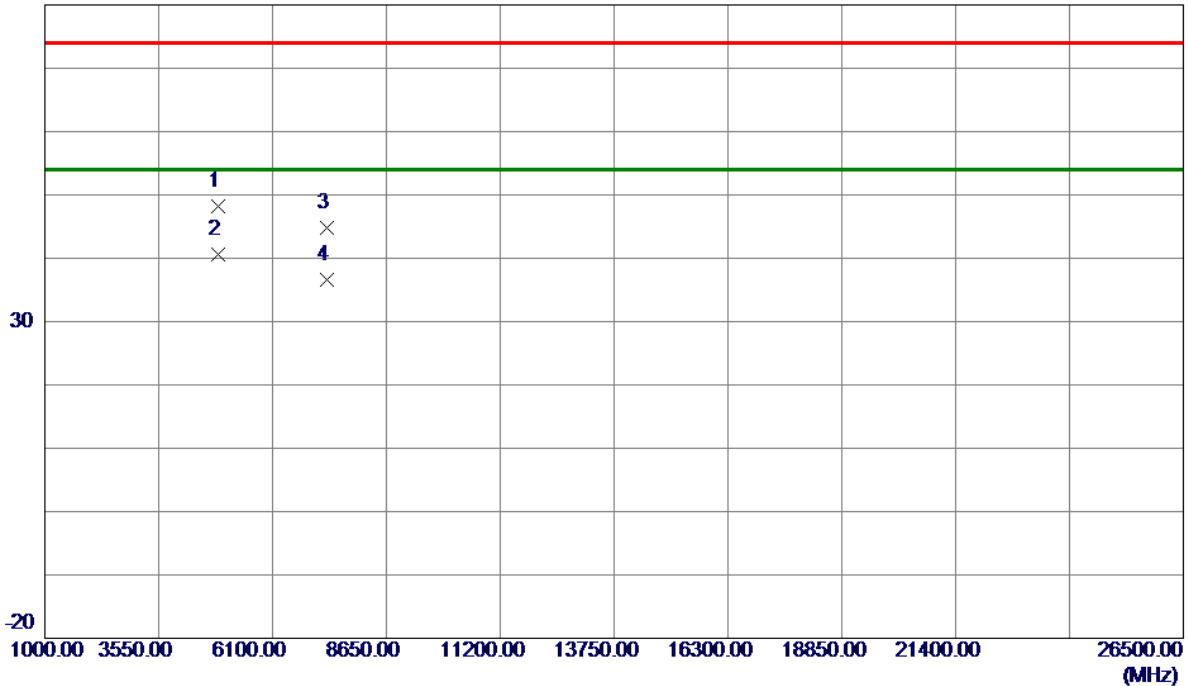
### REMARKS:

- (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	4873.4500	61.51	-13.37	48.14	74.00	-25.86	Peak	
2 *	4873.5000	54.04	-13.37	40.67	54.00	-13.33	AVG	
3	7308.7000	50.74	-5.98	44.76	74.00	-29.24	Peak	
4	7311.3000	42.60	-5.97	36.63	54.00	-17.37	AVG	

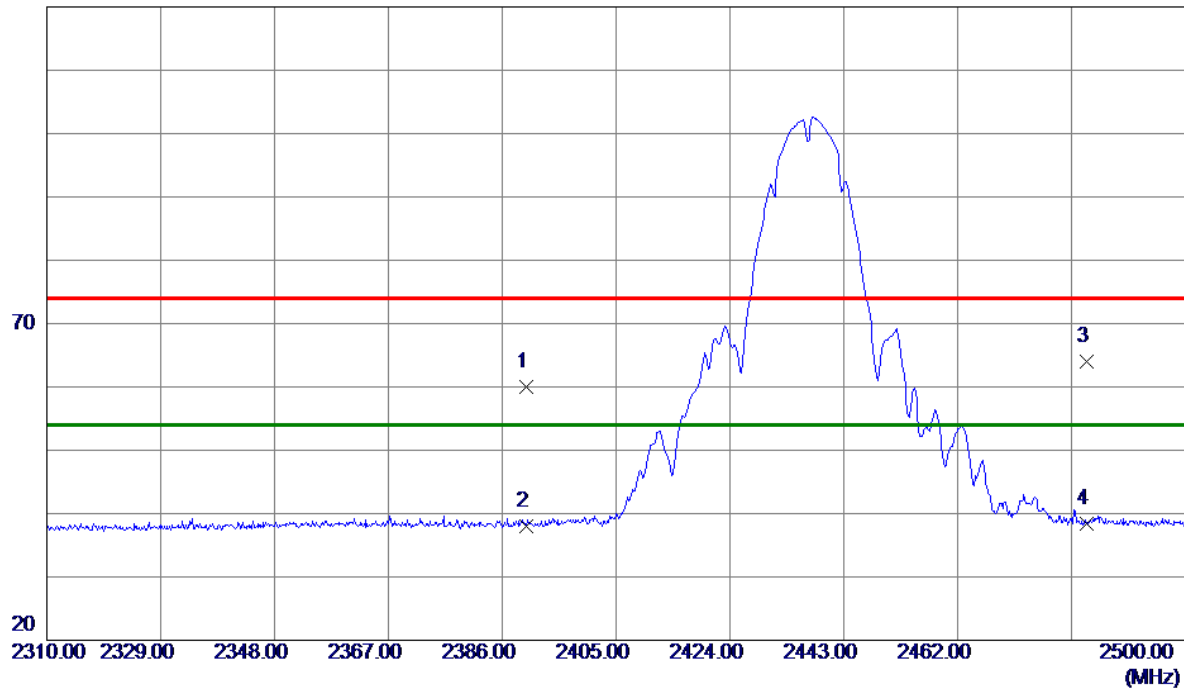
### REMARKS:

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

Test Mode: TX B Mode 2437 MHz

## Horizontal

120 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	27.68	32.39	60.07	74.00	-13.93	Peak	
2	2390.0000	5.62	32.39	38.01	54.00	-15.99	AVG	
3 *	2483.5000	31.27	32.66	63.93	74.00	-10.07	Peak	
4	2483.5000	5.79	32.66	38.45	54.00	-15.55	AVG	

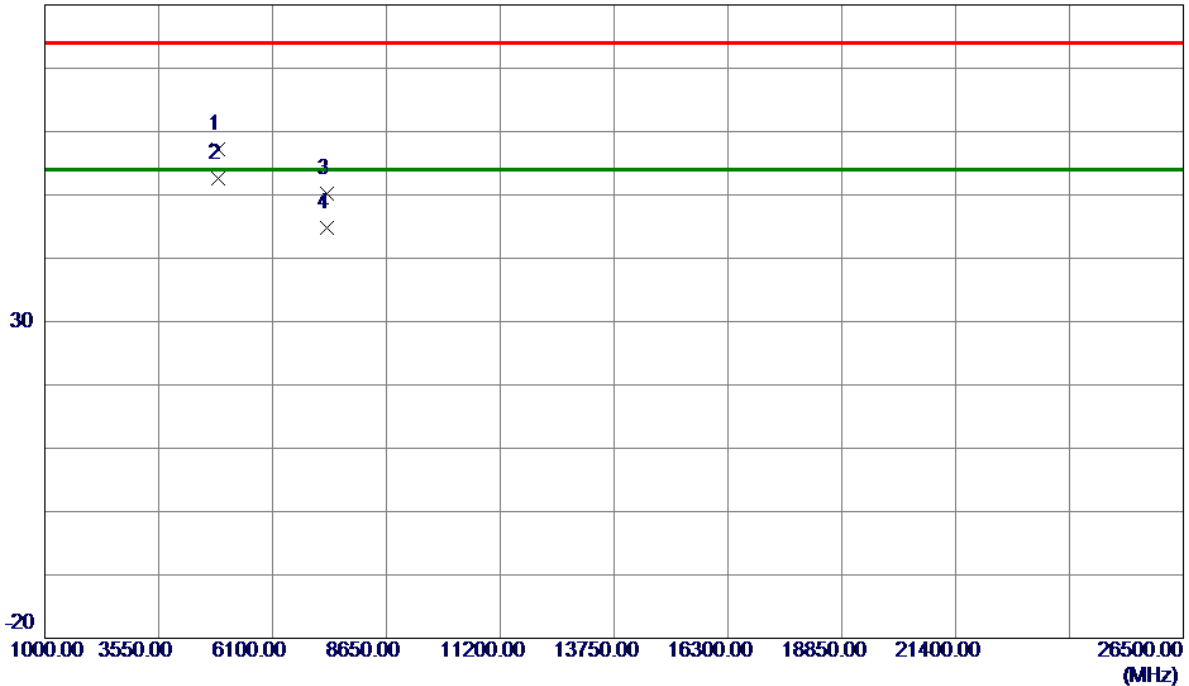
### REMARKS:

- (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	4873.4500	70.60	-13.37	57.23	74.00	-16.77	Peak	
2 *	4873.5000	65.97	-13.37	52.60	54.00	-1.40	AVG	
3	7311.2500	56.24	-5.97	50.27	74.00	-23.73	Peak	
4	7311.3000	50.81	-5.97	44.84	54.00	-9.16	AVG	

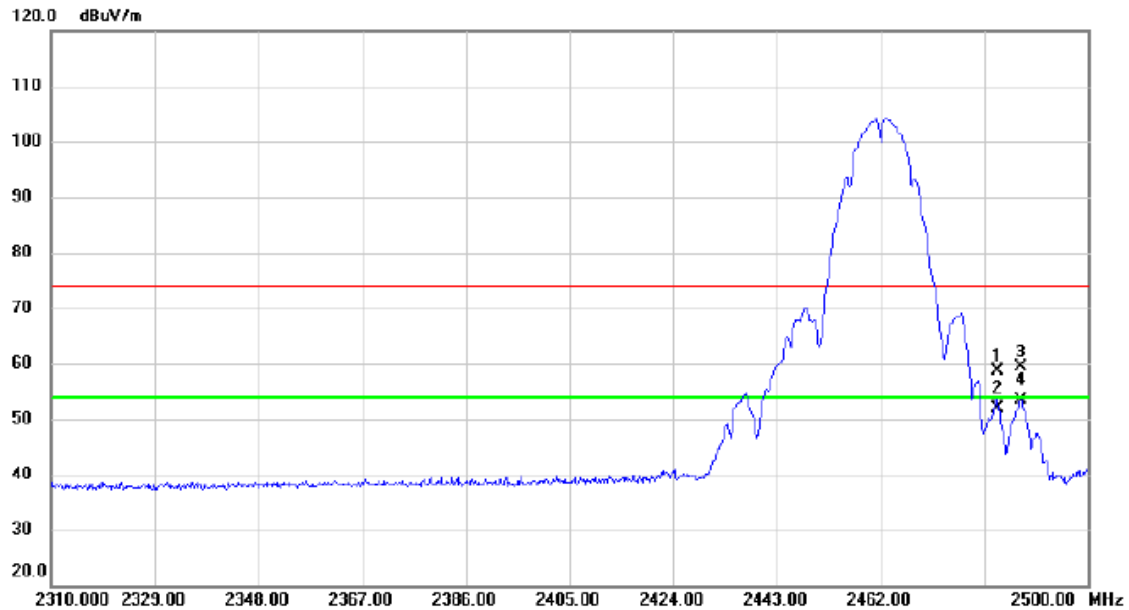
### REMARKS:

(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		2483.500	25.99	32.66	58.65	74.00	-15.35	peak	
2		2483.500	19.31	32.66	51.97	54.00	-2.03	AVG	
3		2487.745	26.75	32.67	59.42	74.00	-14.58	peak	
4	*	2487.745	20.66	32.67	53.33	54.00	-0.67	AVG	

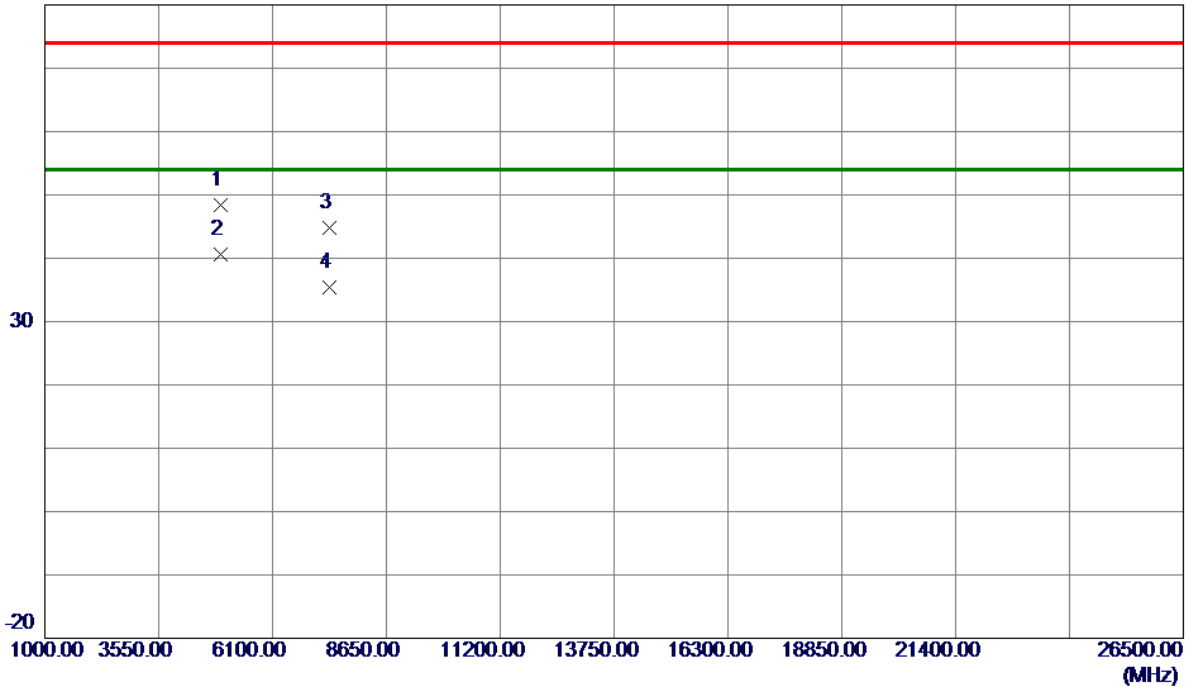
### REMARKS:

- (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	4924.4500	61.66	-13.18	48.48	74.00	-25.52	Peak	
2 *	4924.4500	53.69	-13.18	40.51	54.00	-13.49	AVG	
3	7387.7500	50.53	-5.77	44.76	74.00	-29.24	Peak	
4	7387.7500	41.24	-5.77	35.47	54.00	-18.53	AVG	

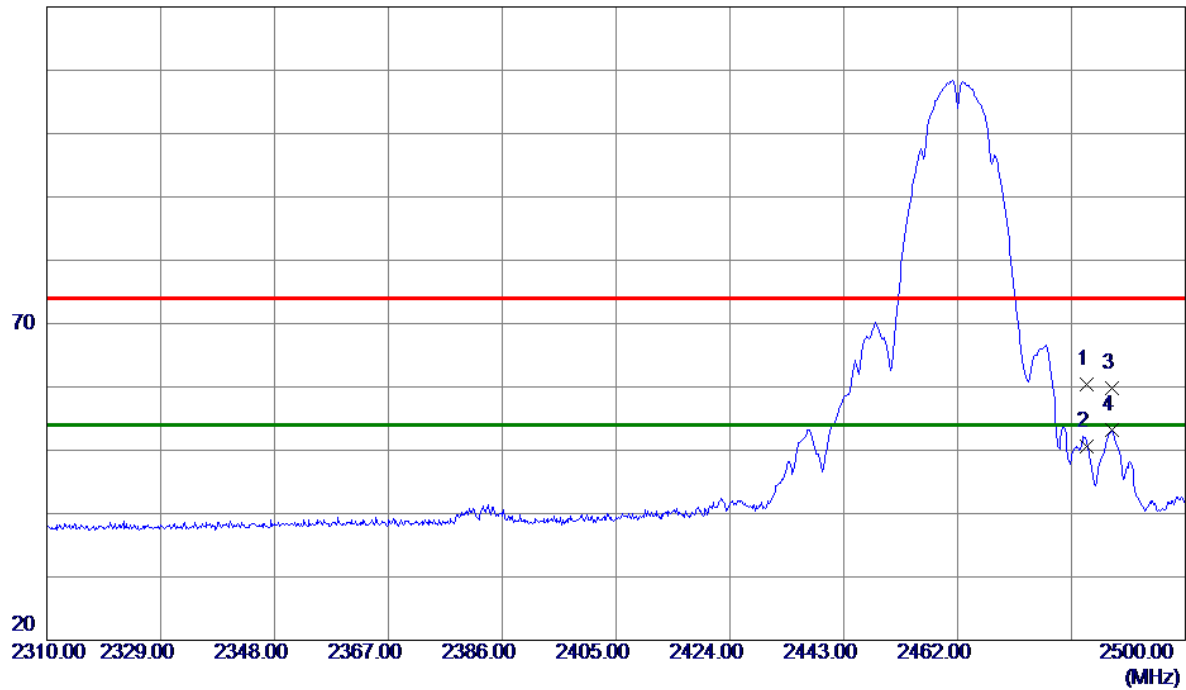
### REMARKS:

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

Test Mode: TX B Mode 2462 MHz

## Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2483.5000	27.82	32.66	60.48	74.00	-13.52	Peak	
2	2483.5000	17.98	32.66	50.64	54.00	-3.36	AVG	
3	2487.7450	27.09	32.67	59.76	74.00	-14.24	Peak	
4 *	2487.7450	20.49	32.67	53.16	54.00	-0.84	AVG	

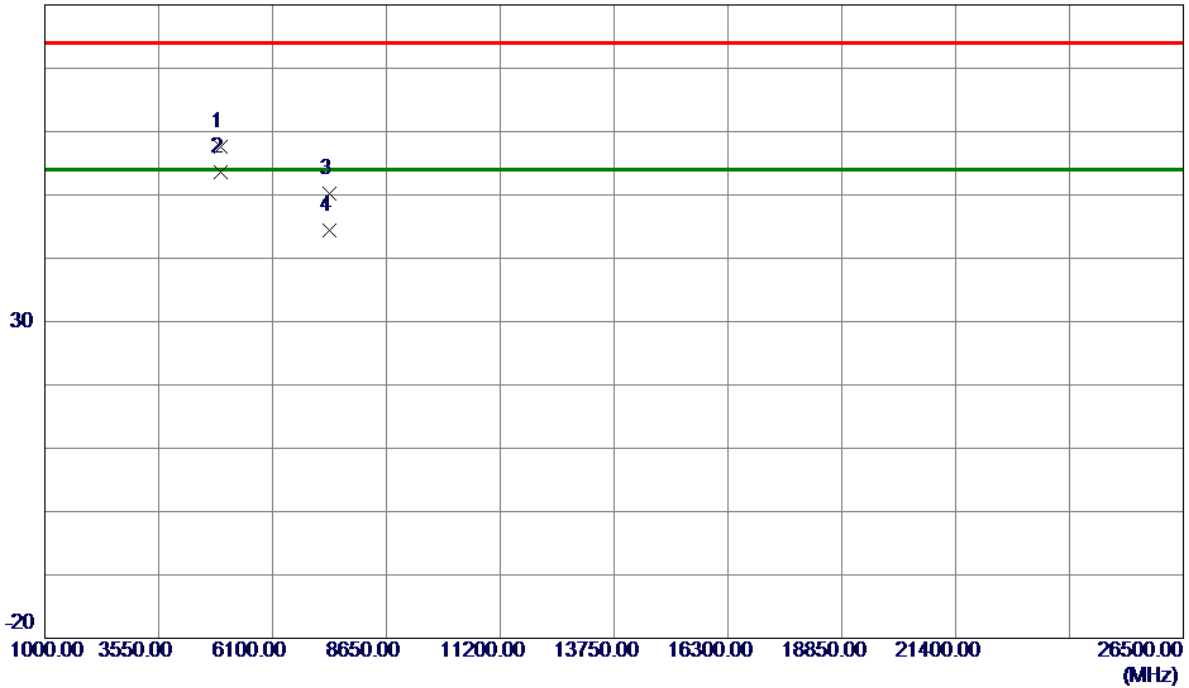
### REMARKS:

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

Test Mode: TX 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	4924.4500	70.77	-13.18	57.59	74.00	-16.41	Peak	
2 *	4924.4500	66.87	-13.18	53.69	54.00	-0.31	AVG	
3	7385.2000	56.06	-5.77	50.29	74.00	-23.71	Peak	
4	7385.2000	50.22	-5.77	44.45	54.00	-9.55	AVG	

### REMARKS:

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

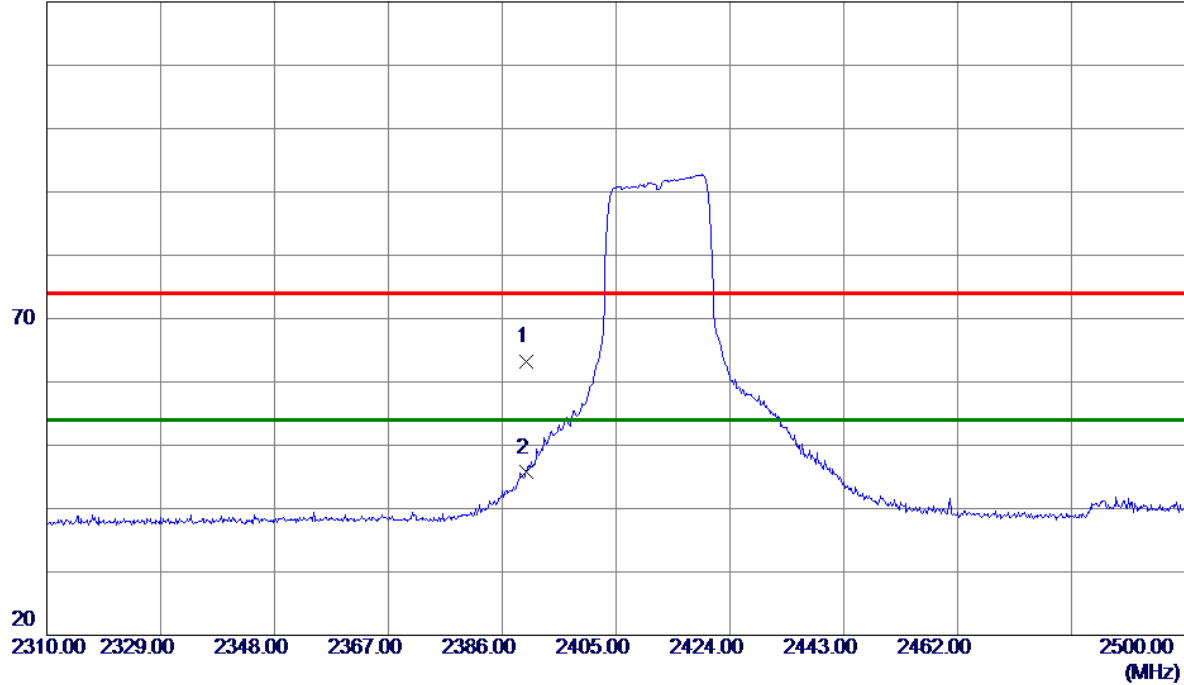
(2) Margin Level = Measurement Value - Limit Value.



Test Mode: TX G Mode 2412 MHz

## Vertical

120 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	30.73	32.39	63.12	74.00	-10.88	Peak	
2 *	2390.0000	13.31	32.39	45.70	54.00	-8.30	AVG	

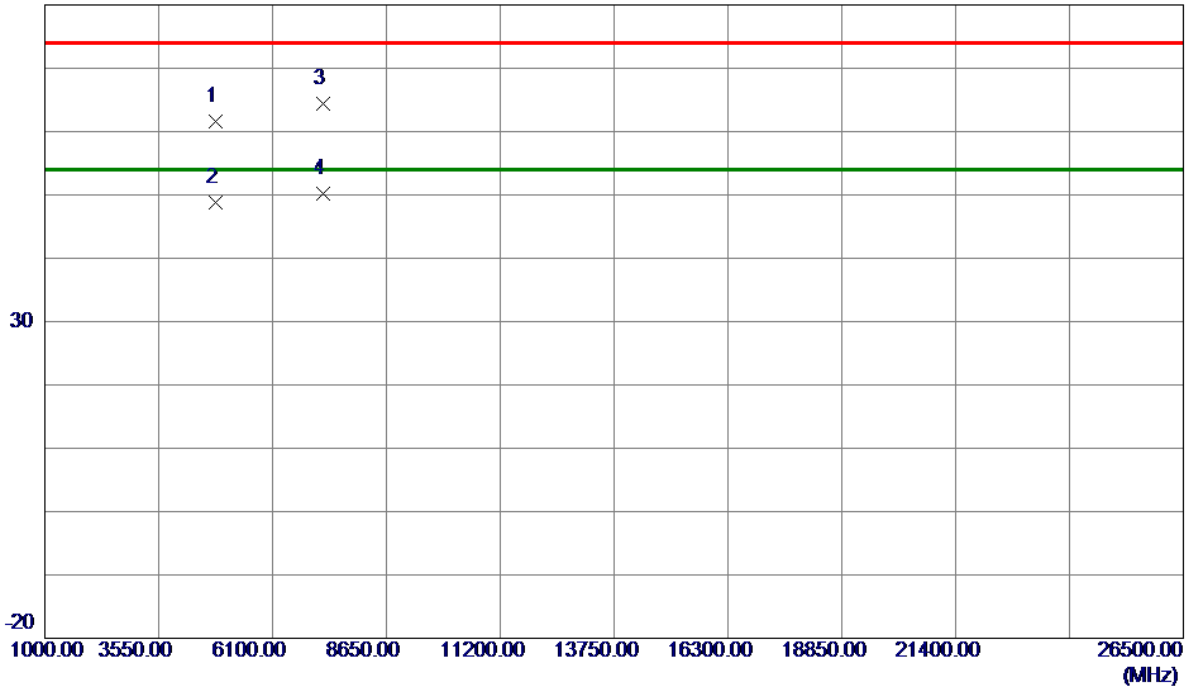
### REMARKS:

- (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	4822.3849	75.08	-13.55	61.53	74.00	-12.47	Peak	
2	4825.0650	62.37	-13.54	48.83	54.00	-5.17	AVG	
3	7231.7000	70.49	-6.18	64.31	74.00	-9.69	Peak	
4 *	7237.8200	56.44	-6.16	50.28	54.00	-3.72	AVG	

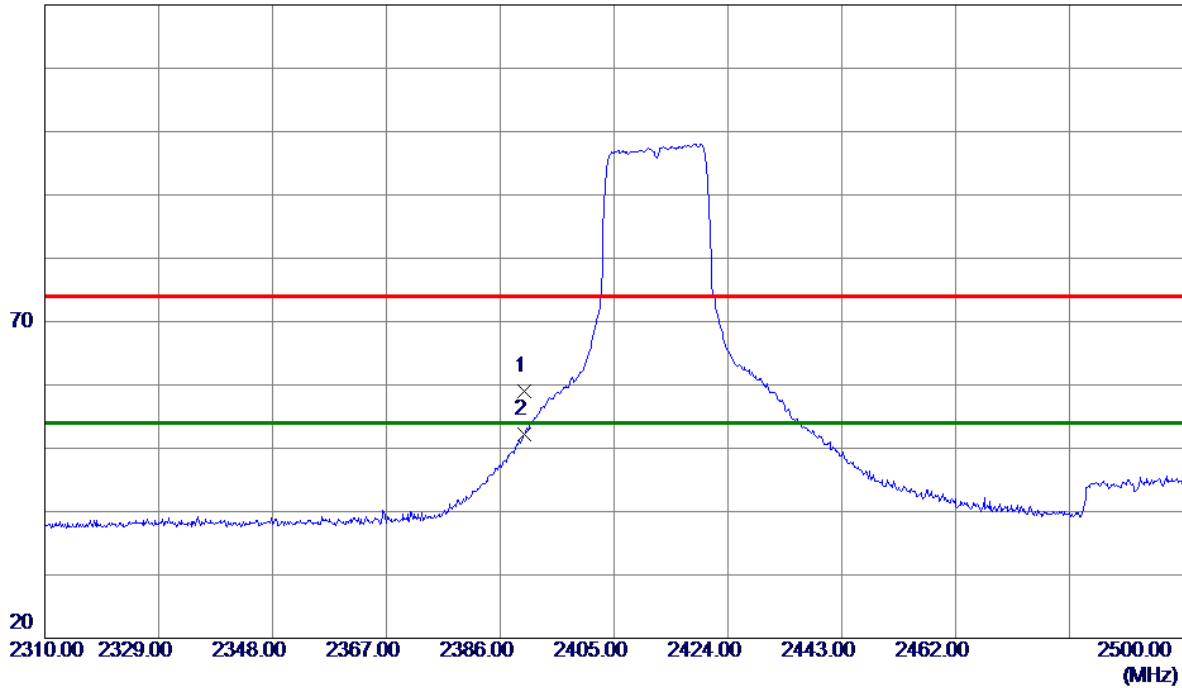
### REMARKS:

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

Test Mode: TX G Mode 2412 MHz

## Horizontal

120 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	26.61	32.39	59.00	74.00	-15.00	Peak	
2 *	2390.0000	19.88	32.39	52.27	54.00	-1.73	AVG	

### 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

30

-20

1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00  
(MHz)

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.2450	78.90	-13.55	65.35	74.00	-8.65	Peak	
2	4824.3000	66.42	-13.55	52.87	54.00	-1.13	AVG	
3	7236.7950	73.30	-6.16	67.14	74.00	-6.86	Peak	
4 *	7241.3400	59.37	-6.15	53.22	54.00	-0.78	AVG	

### REMARKS:

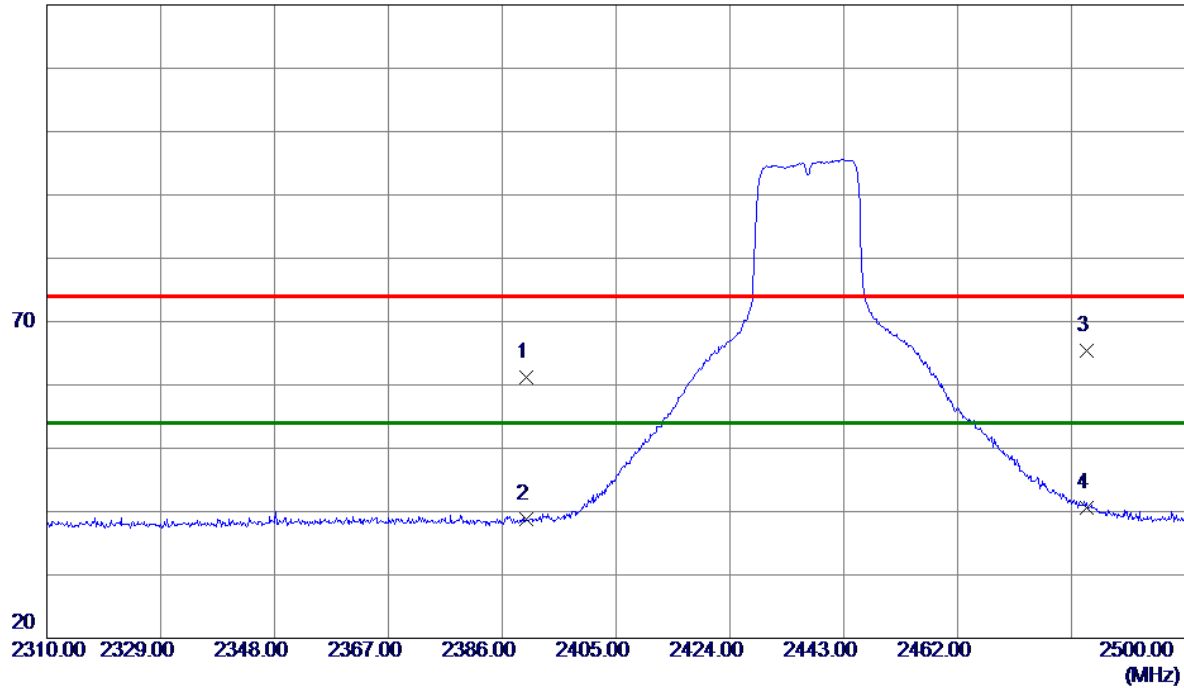
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode: TX G Mode 2437 MHz

## Vertical

120 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	28.77	32.39	61.16	74.00	-12.84	Peak	
2	2390.0000	6.42	32.39	38.81	54.00	-15.19	AVG	
3 *	2483.5000	32.66	32.66	65.32	74.00	-8.68	Peak	
4	2483.5000	7.89	32.66	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 2437 MHz

## Vertical

80 dBuV/m

30

-20

1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00  
(MHz)

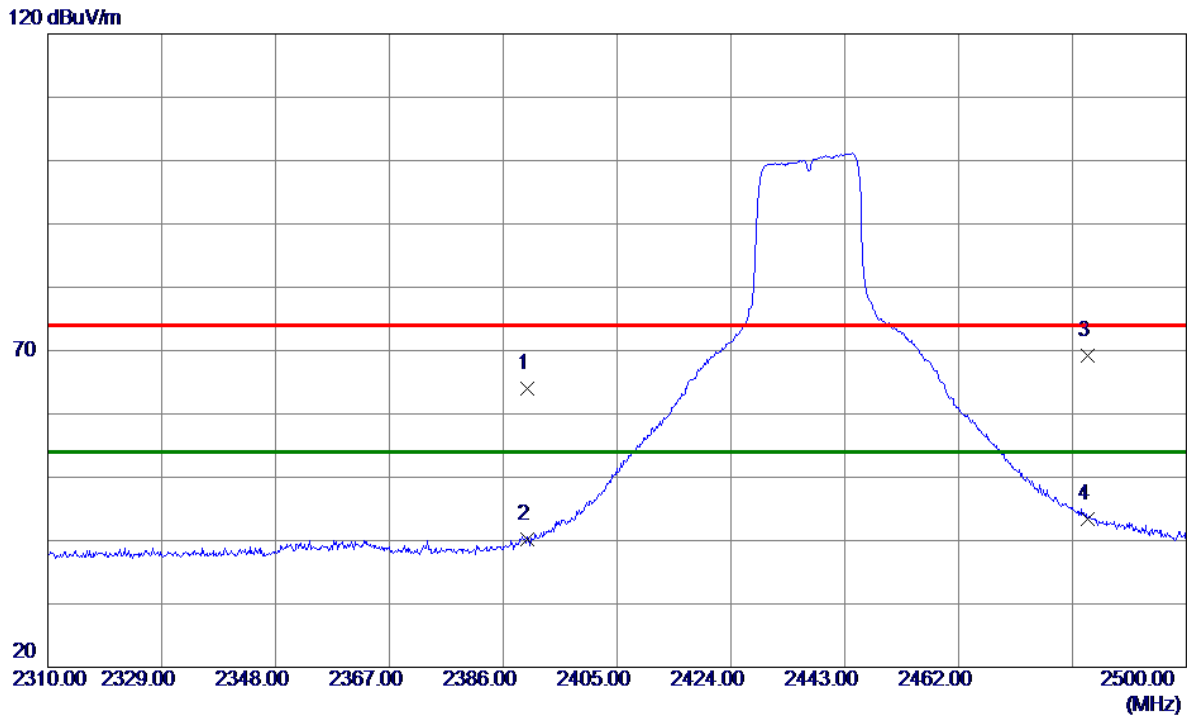
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.8100	71.66	-13.36	58.30	74.00	-15.70	Peak	
2 *	4874.9100	59.73	-13.36	46.37	54.00	-7.63	AVG	
3	7309.7200	52.18	-5.97	46.21	54.00	-7.79	AVG	
4	7313.8100	66.14	-5.96	60.18	74.00	-13.82	Peak	

### REMARKS:

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

Test Mode: TX G Mode 2437 MHz

## Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	31.62	32.39	64.01	74.00	-9.99	Peak	
2	2390.0000	7.75	32.39	40.14	54.00	-13.86	AVG	
3 *	2483.5000	36.45	32.66	69.11	74.00	-4.89	Peak	
4	2483.5000	10.81	32.66	43.47	54.00	-10.53	AVG	

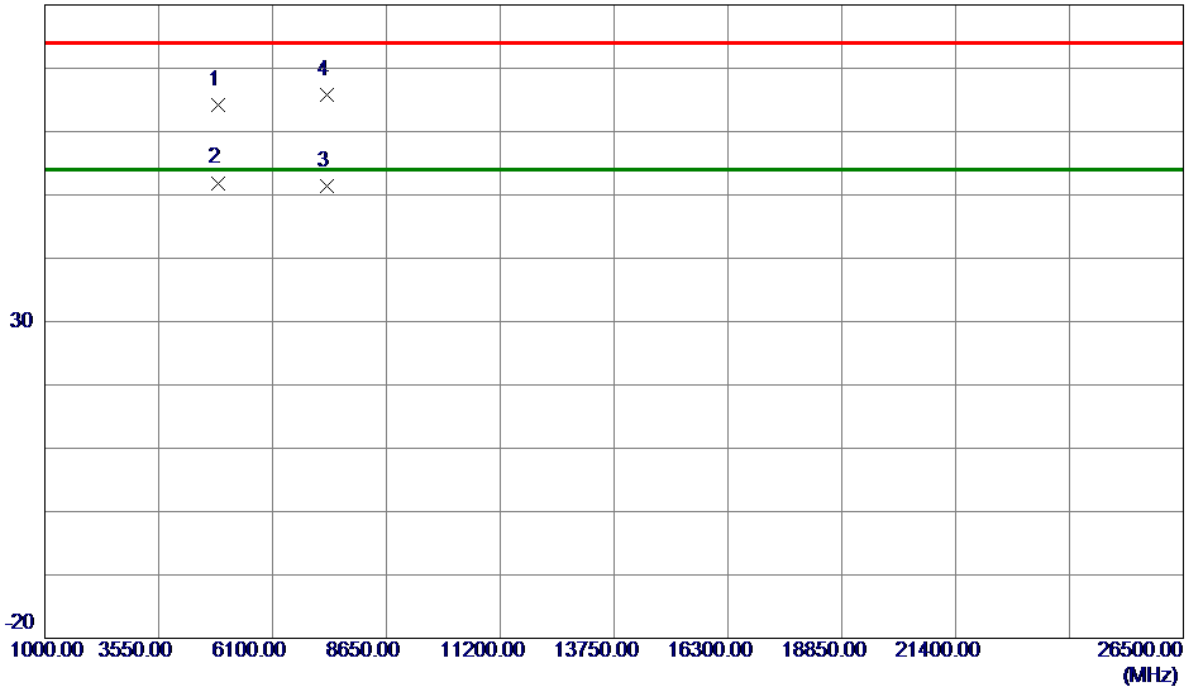
### REMARKS:

- (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	4871.0099	77.54	-13.37	64.17	74.00	-9.83	Peak	
2 *	4873.6850	65.26	-13.36	51.90	54.00	-2.10	AVG	
3	7309.7850	57.45	-5.97	51.48	54.00	-2.52	AVG	
4	7315.8250	71.69	-5.96	65.73	74.00	-8.27	Peak	

### REMARKS:

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

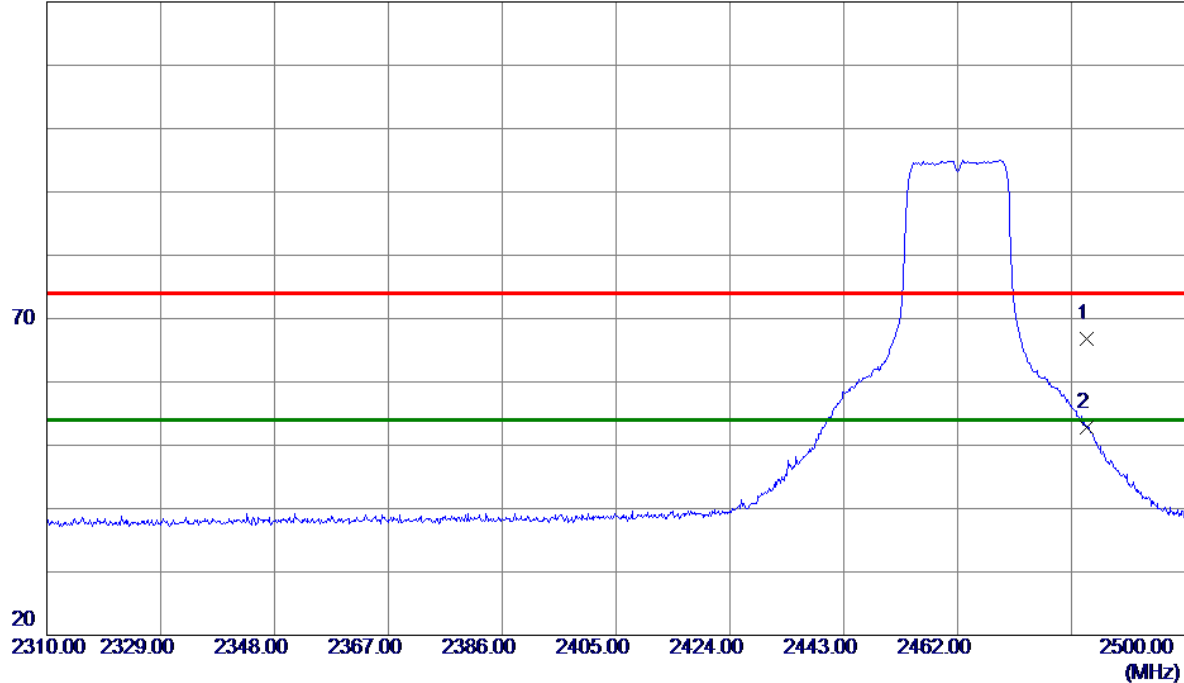
(2) Margin Level = Measurement Value - Limit Value.



Test Mode:	TX G Mode 2462 MHz
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## Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2483.5000	34.21	32.66	66.87	74.00	-7.13	Peak	
2 *	2483.5000	20.06	32.66	52.72	54.00	-1.28	AVG	

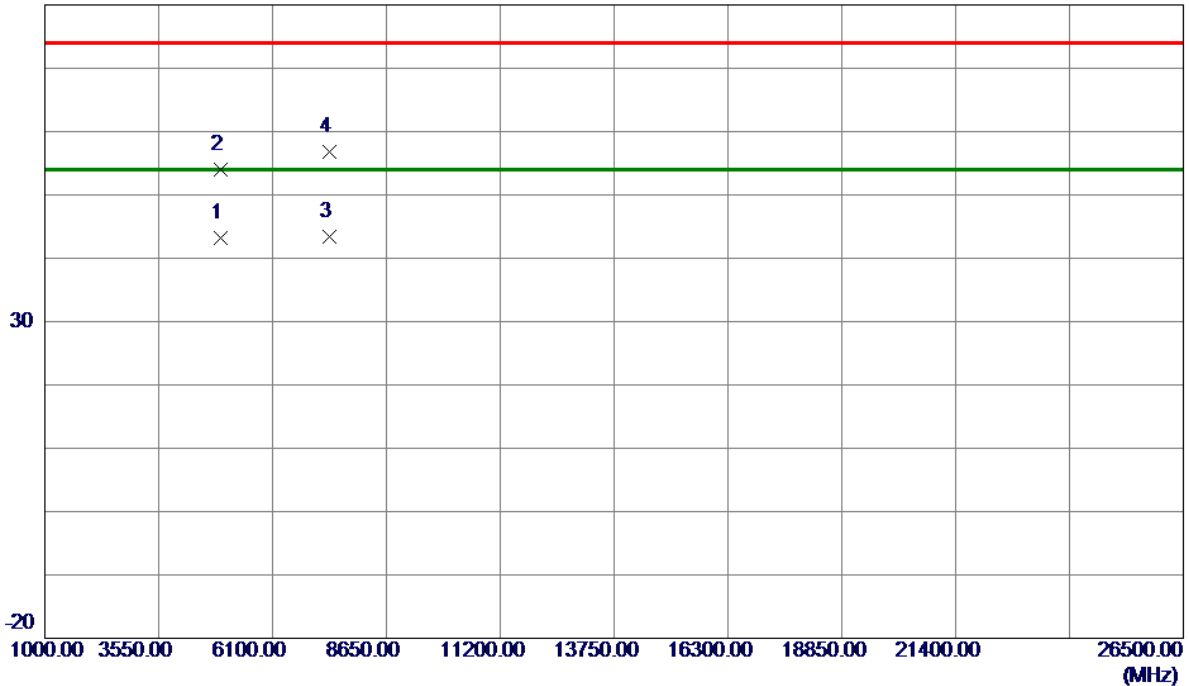
### REMARKS:

- (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	4924.3150	56.35	-13.18	43.17	54.00	-10.83	AVG	
2	4924.6600	67.22	-13.18	54.04	74.00	-19.96	Peak	
3 *	7387.4850	49.09	-5.77	43.32	54.00	-10.68	AVG	
4	7388.5000	62.65	-5.76	56.89	74.00	-17.11	Peak	

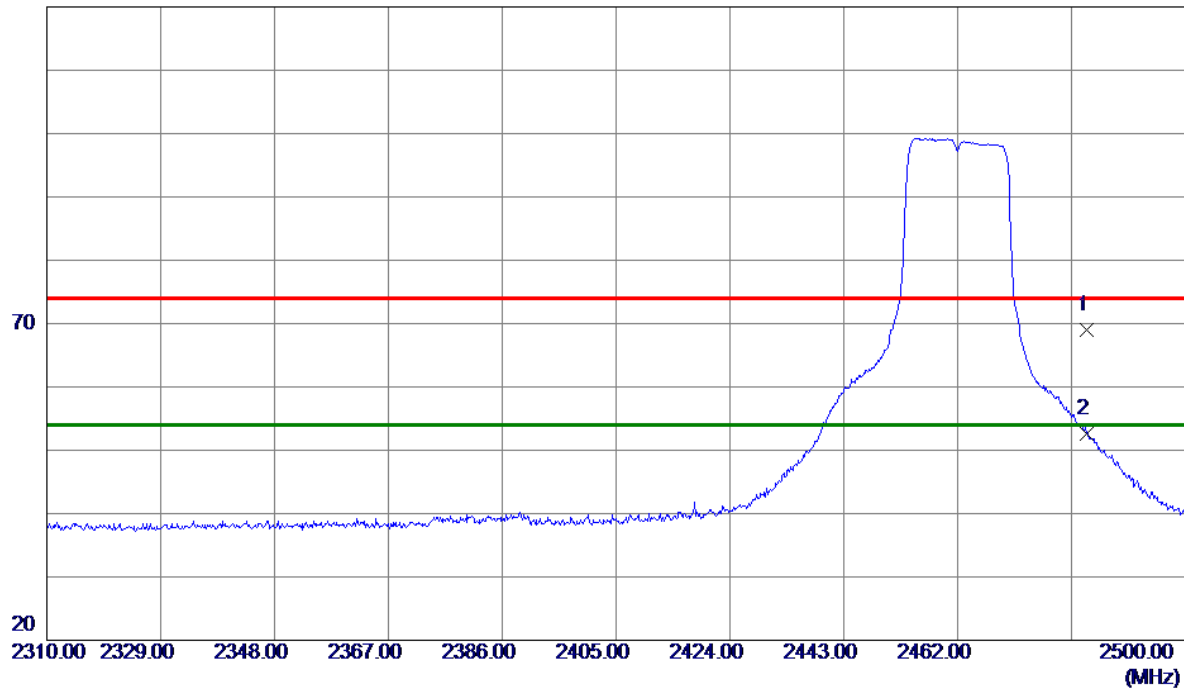
### REMARKS:

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

Test Mode: TX G Mode 2462 MHz

## Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2483.5000	36.42	32.66	69.08	74.00	-4.92	Peak	
2 *	2483.5000	19.89	32.66	52.55	54.00	-1.45	AVG	

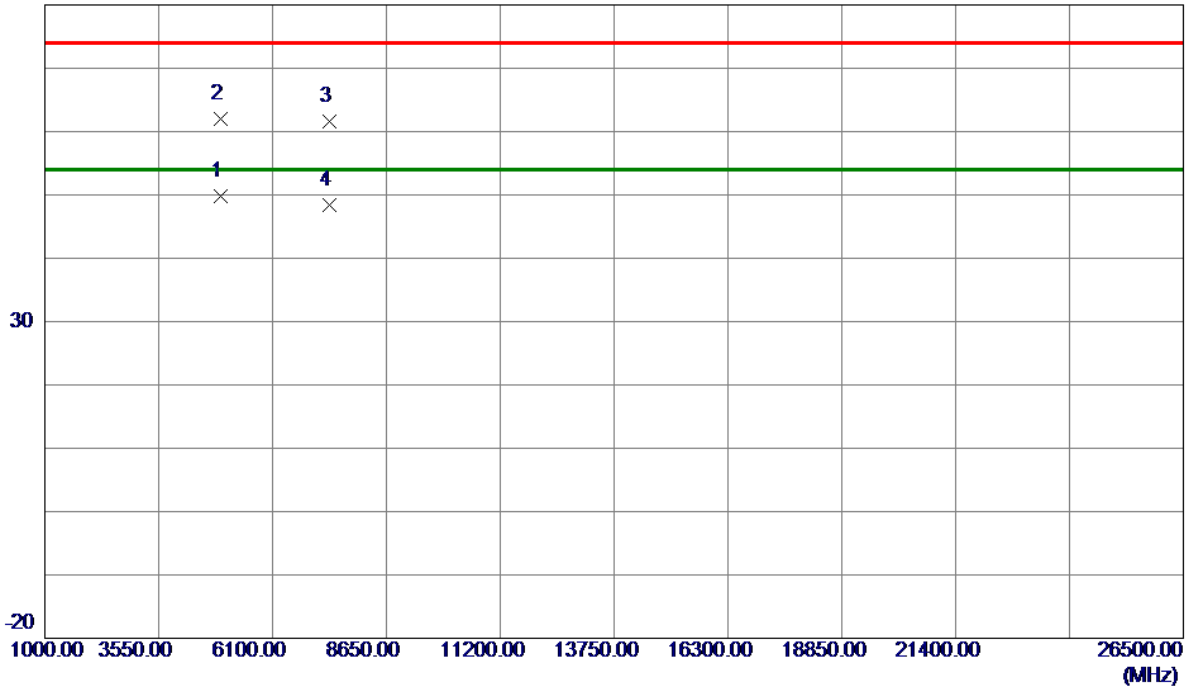
### REMARKS:

- (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 *	4924.2150	63.06	-13.18	49.88	54.00	-4.12	AVG	
2	4925.8350	75.15	-13.17	61.98	74.00	-12.02	Peak	
3	7381.8550	67.37	-5.78	61.59	74.00	-12.41	Peak	
4	7387.1200	54.26	-5.77	48.49	54.00	-5.51	AVG	

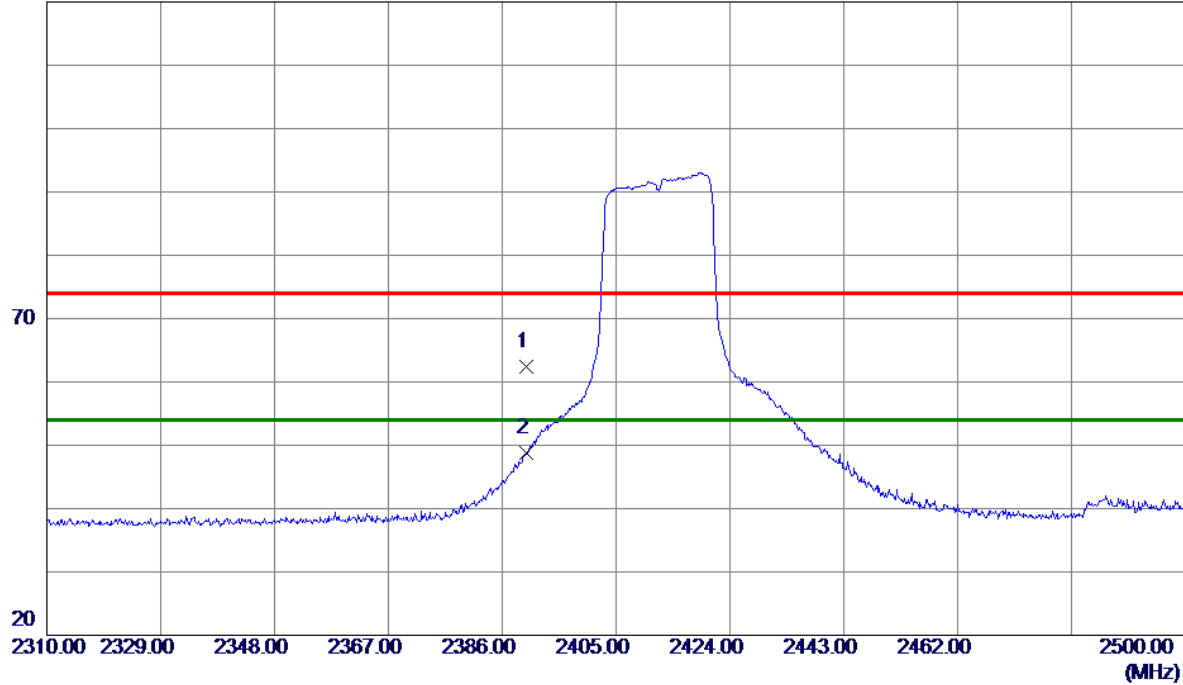
### REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

## Vertical

120 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	29.99	32.39	62.38	74.00	-11.62	Peak	
2 *	2390.0000	16.50	32.39	48.89	54.00	-5.11	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

80 dBuV/m

30

-20

1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00 (MHz)

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.7850	71.21	-13.55	57.66	74.00	-16.34	Peak	
2	4824.2150	58.99	-13.55	45.44	54.00	-8.56	AVG	
3	7228.6150	66.98	-6.19	60.79	74.00	-13.21	Peak	
4 *	7237.0250	52.19	-6.16	46.03	54.00	-7.97	AVG	

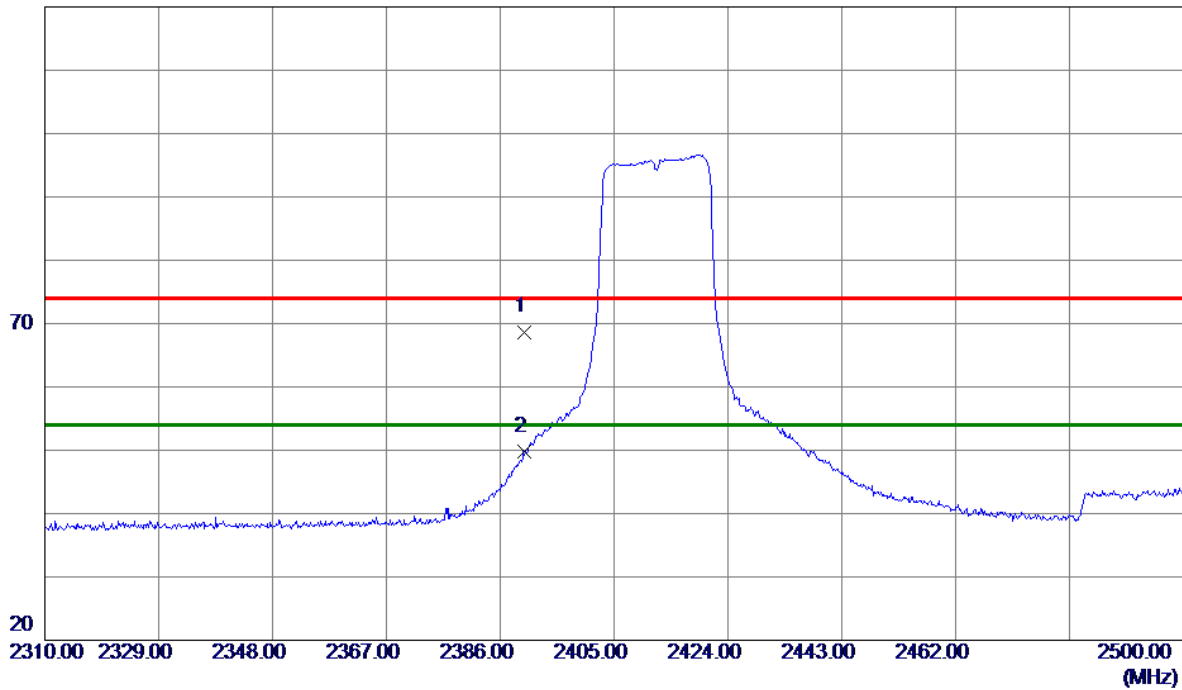
### REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

## Horizontal

120 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	36.31	32.39	68.70	74.00	-5.30	Peak	
2 *	2390.0000	17.32	32.39	49.71	54.00	-4.29	AVG	

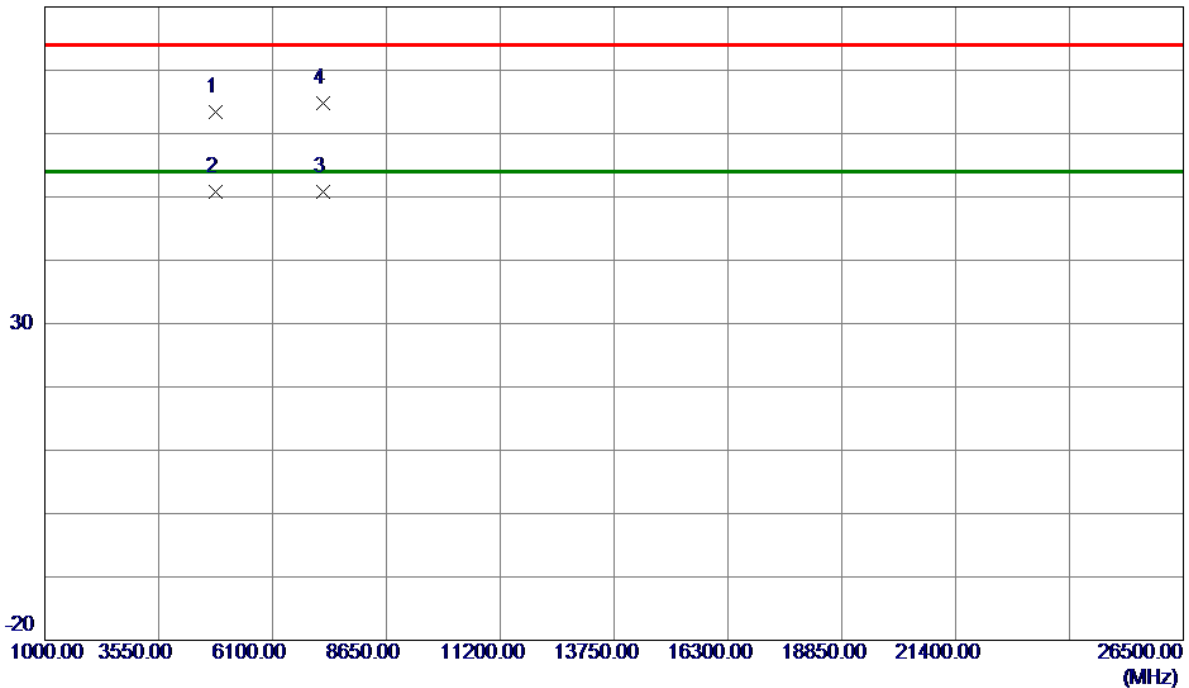
### REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

## Horizontal

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	4822.7900	76.86	-13.55	63.31	74.00	-10.69	Peak	
2	4823.9000	64.35	-13.55	50.80	54.00	-3.20	AVG	
3 *	7239.3500	57.01	-6.16	50.85	54.00	-3.15	AVG	
4	7239.8950	71.02	-6.16	64.86	74.00	-9.14	Peak	

### REMARKS:

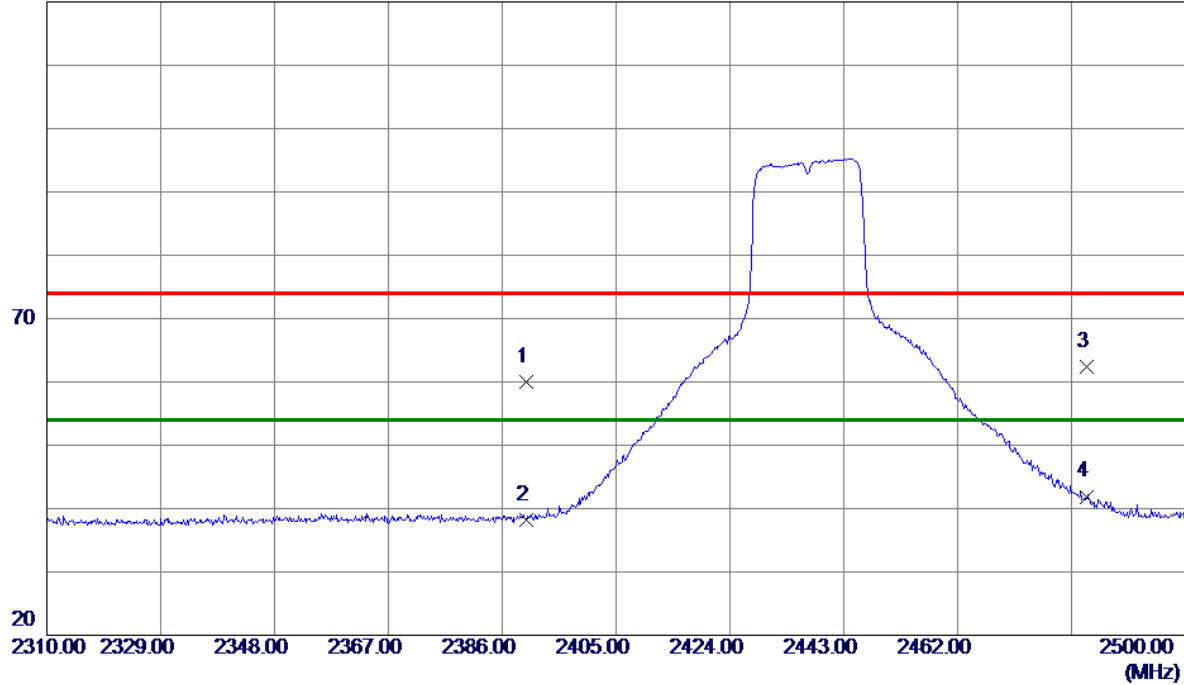
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.



Test Mode: TX N-20M Mode 2437 MHz

## Vertical

120 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	27.64	32.39	60.03	74.00	-13.97	Peak	
2	2390.0000	5.80	32.39	38.19	54.00	-15.81	AVG	
3 *	2443.5000	29.83	32.66	62.49	74.00	-11.51	Peak	
4	2443.5000	9.24	32.66	41.90	54.00	-12.10	AVG	

### 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

30

-20

1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00  
(MHz)

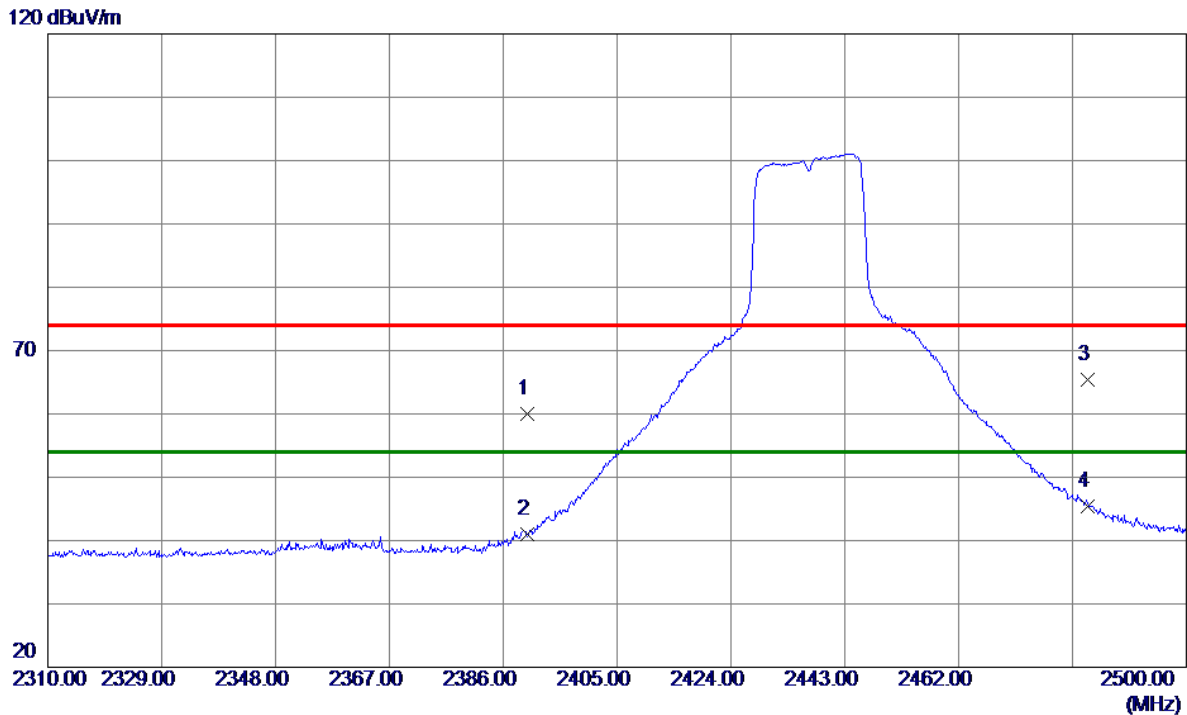
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4872.8450	72.76	-13.37	59.39	74.00	-14.61	Peak	
2 *	4874.4800	59.38	-13.36	46.02	54.00	-7.98	AVG	
3	7309.5100	65.18	-5.97	59.21	74.00	-14.79	Peak	
4	7311.1550	51.48	-5.97	45.51	54.00	-8.49	AVG	

### 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.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	27.63	32.39	60.02	74.00	-13.98	Peak	
2	2390.0000	8.69	32.39	41.08	54.00	-12.92	AVG	
3 *	2483.5000	32.65	32.66	65.31	74.00	-8.69	Peak	
4	2483.5000	12.65	32.66	45.31	54.00	-8.69	AVG	

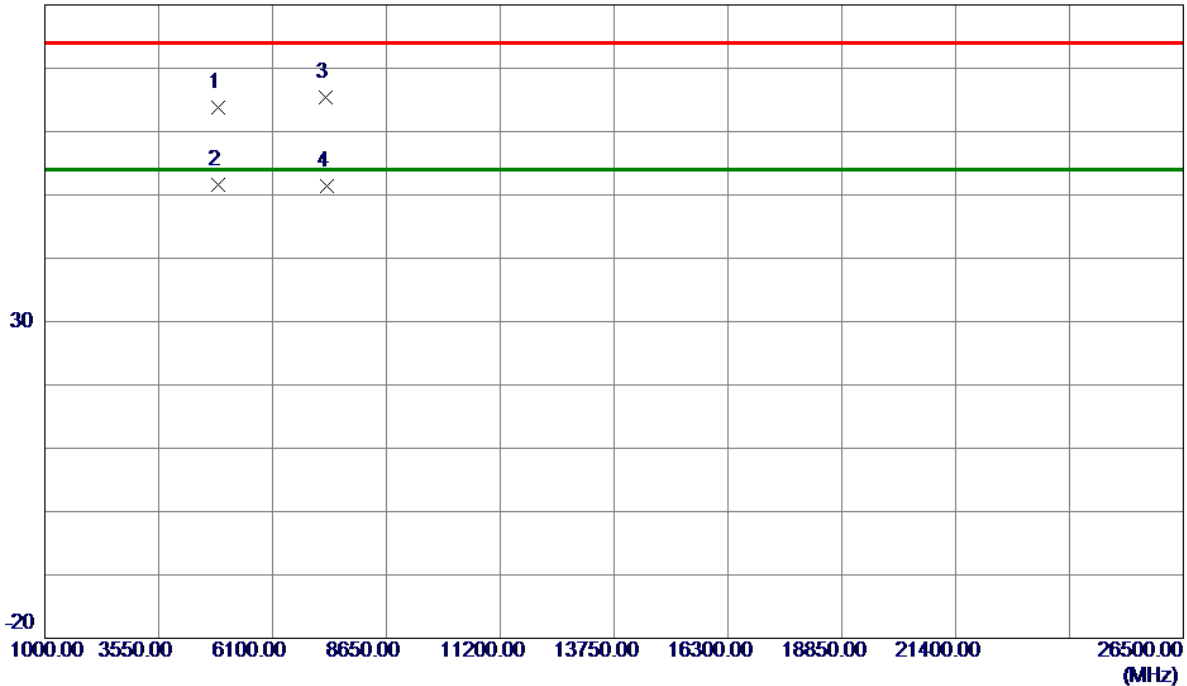
### REMARKS:

- (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	4870.5840	77.14	-13.38	63.76	74.00	-10.24	Peak	
2 *	4873.7860	65.02	-13.36	51.66	54.00	-2.34	AVG	
3	7301.1100	71.45	-6.00	65.45	74.00	-8.55	Peak	
4	7309.7950	57.46	-5.97	51.49	54.00	-2.51	AVG	

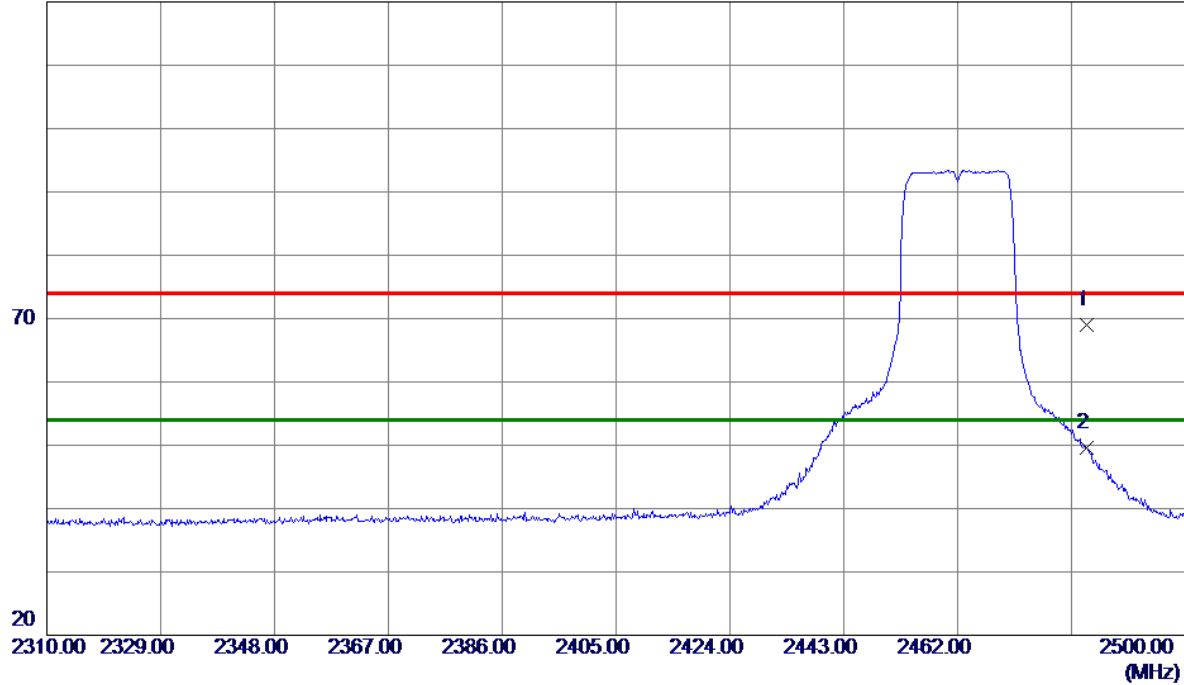
### REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

## Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2483.5000	36.34	32.66	69.00	74.00	-5.00	Peak	
2 *	2483.5000	16.92	32.66	49.58	54.00	-4.42	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

80 dBuV/m

30

-20

1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00  
(MHz)

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4918.6300	69.05	-13.20	55.85	74.00	-18.15	Peak	
2 *	4922.6850	56.00	-13.18	42.82	54.00	-11.18	AVG	
3	7380.1650	60.84	-5.79	55.05	74.00	-18.95	Peak	
4	7386.1650	48.50	-5.77	42.73	54.00	-11.27	AVG	

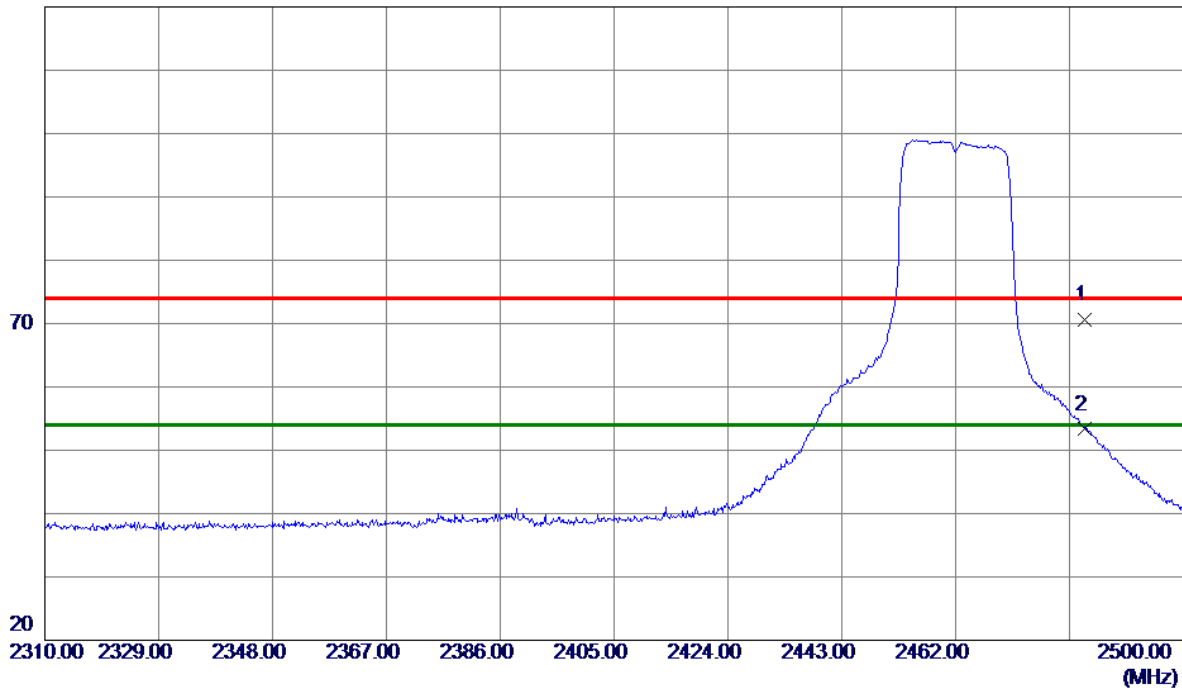
### REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

## Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2483.5000	37.90	32.66	70.56	74.00	-3.44	Peak	
2 *	2483.5000	20.64	32.66	53.30	54.00	-0.70	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

80 dBuV/m

30

-20

1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00 (MHz)

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4922.6100	61.60	-13.18	48.42	54.00	-5.58	AVG	
2	4926.6300	74.61	-13.17	61.44	74.00	-12.56	Peak	
3	7388.9550	53.87	-5.76	48.11	54.00	-5.89	AVG	
4	7393.5400	67.58	-5.75	61.83	74.00	-12.17	Peak	

### REMARKS:

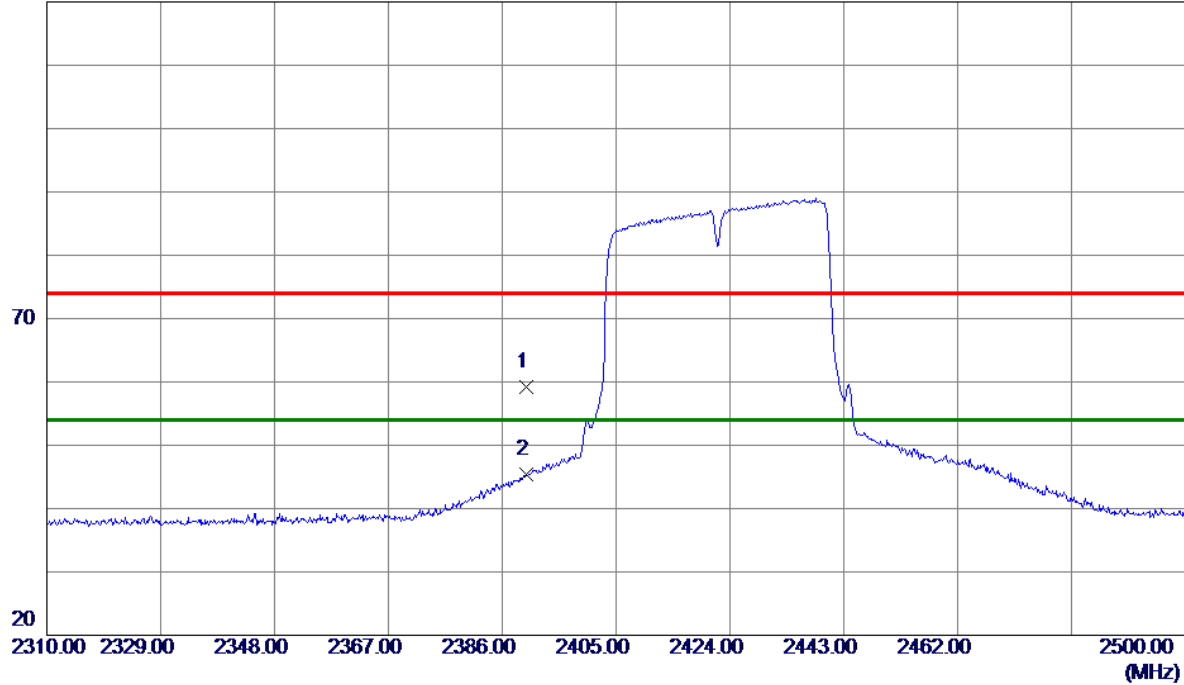
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.



Test Mode: TX N-40M Mode 2422MHz

## Vertical

120 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	26.76	32.39	59.15	74.00	-14.85	Peak	
2 *	2390.0000	13.09	32.39	45.48	54.00	-8.52	AVG	

### REMARKS:

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

Test Mode: TX N-40M Mode 2422MHz

## Vertical

80 dBuV/m

30

-20

1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00 (MHz)

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4840.2000	66.66	-13.49	53.17	74.00	-20.83	Peak	
2	4843.7400	54.91	-13.48	41.43	54.00	-12.57	AVG	
3 *	7274.8800	47.68	-6.06	41.62	54.00	-12.38	AVG	
4	7275.0400	61.82	-6.06	55.76	74.00	-18.24	Peak	

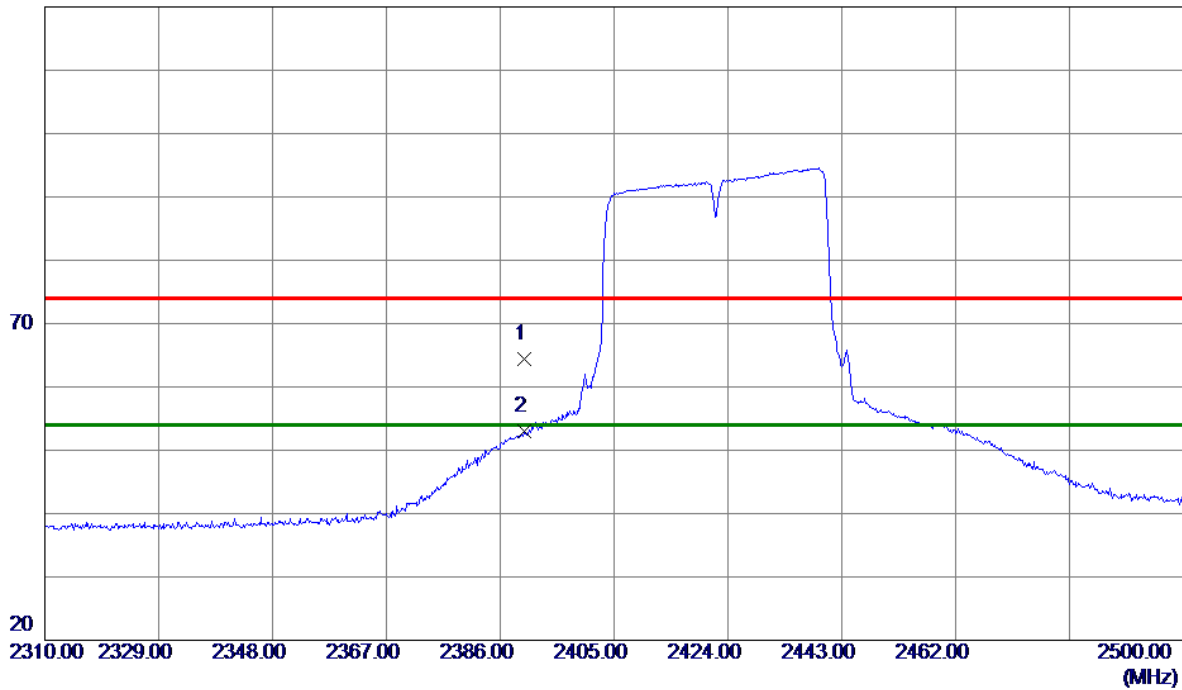
### REMARKS:

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

Test Mode: TX N-40M Mode 2422MHz

## Horizontal

120 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	31.99	32.39	64.38	74.00	-9.62	Peak	
2 *	2390.0000	20.57	32.39	52.96	54.00	-1.04	AVG	

### REMARKS:

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

Test Mode: TX N-40M Mode 2422MHz

## Horizontal

80 dBuV/m

30

-20

1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00  
(MHz)

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4840.1700	73.88	-13.49	60.39	74.00	-13.61	Peak	
2 *	4843.9400	59.74	-13.47	46.27	54.00	-7.73	AVG	
3	7258.1000	65.91	-6.11	59.80	74.00	-14.20	Peak	
4	7274.7100	51.94	-6.06	45.88	54.00	-8.12	AVG	

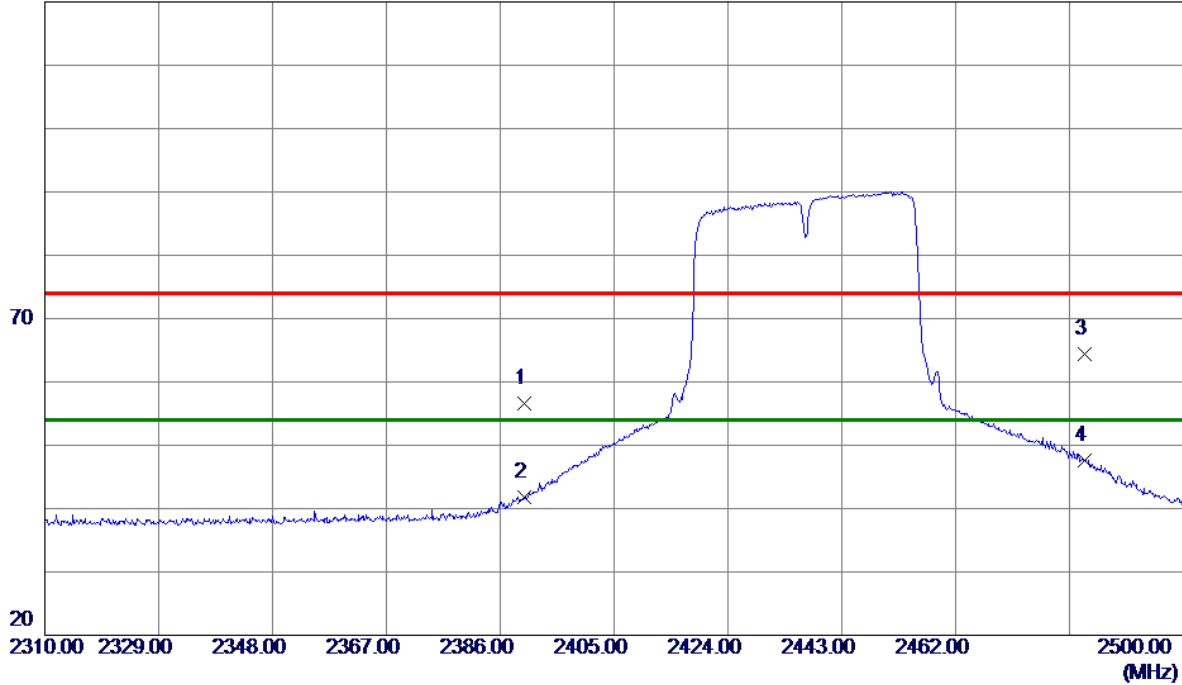
### REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

## Vertical

120 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	24.25	32.39	56.64	74.00	-17.36	Peak	
2	2390.0000	9.40	32.39	41.79	54.00	-12.21	AVG	
3	2483.5000	31.73	32.66	64.39	74.00	-9.61	Peak	
4 *	2483.5000	15.03	32.66	47.69	54.00	-6.31	AVG	

### REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

## Vertical

80 dBuV/m

30

-20

1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00  
(MHz)

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4872.3600	68.47	-13.37	55.10	74.00	-18.90	Peak	
2 *	4874.1700	55.40	-13.36	42.04	54.00	-11.96	AVG	
3	7303.1900	46.96	-5.99	40.97	54.00	-13.03	AVG	
4	7319.4500	59.90	-5.95	53.95	74.00	-20.05	Peak	

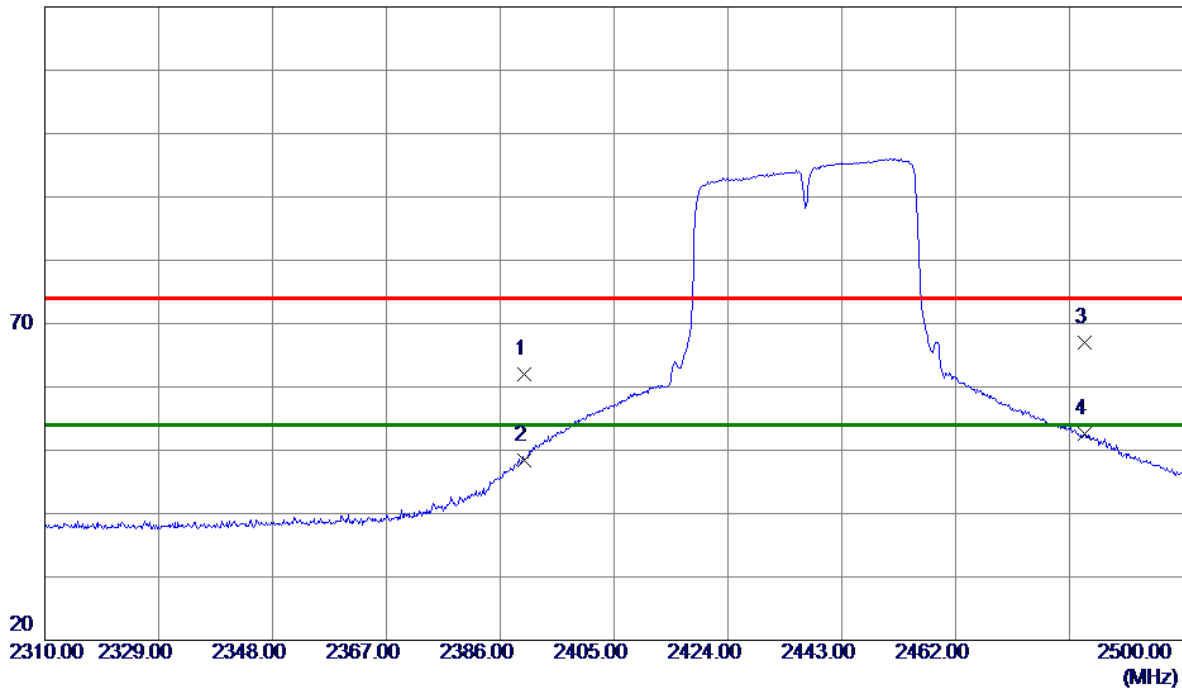
### REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

## Horizontal

120 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	29.53	32.39	61.92	74.00	-12.08	Peak	
2	2390.0000	16.01	32.39	48.40	54.00	-5.60	AVG	
3	2483.5000	34.32	32.66	66.98	74.00	-7.02	Peak	
4 *	2483.5000	20.02	32.66	52.68	54.00	-1.32	AVG	

### REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

## Horizontal

80 dBuV/m

30

-20

1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00  
(MHz)

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4871.2300	74.92	-13.37	61.55	74.00	-12.45	Peak	
2 *	4873.7400	60.88	-13.36	47.52	54.00	-6.48	AVG	
3	7300.5800	65.43	-6.00	59.43	74.00	-14.57	Peak	
4	7312.1700	52.29	-5.97	46.32	54.00	-7.68	AVG	

### REMARKS:

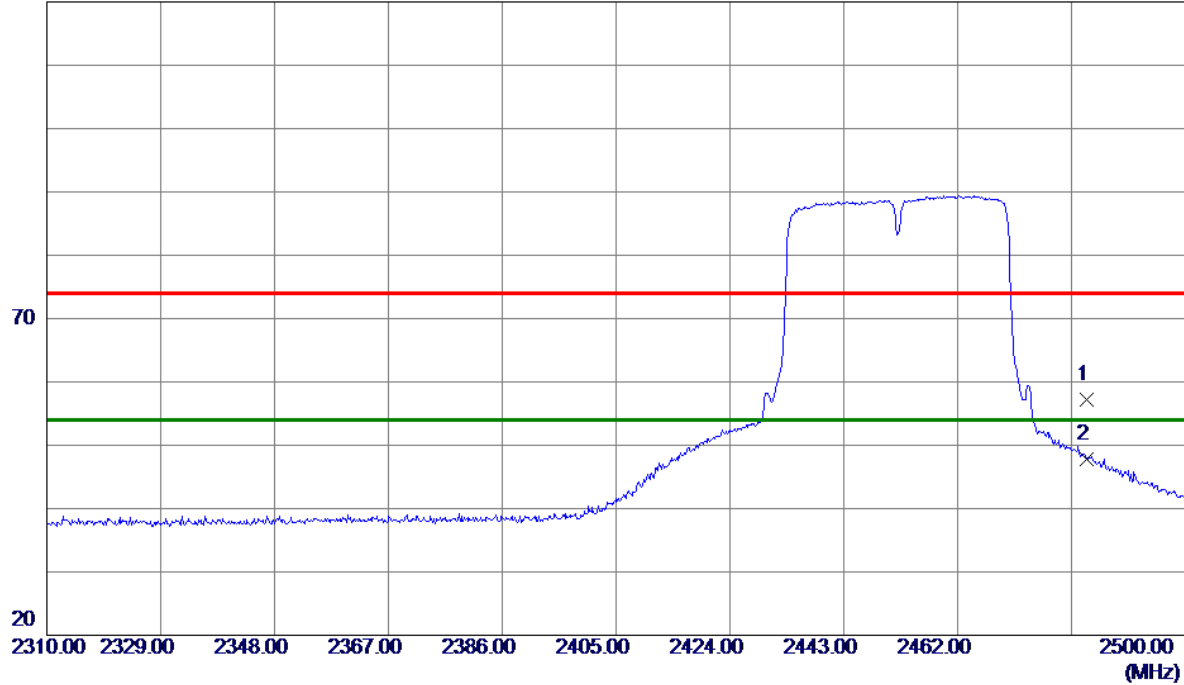
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.



Test Mode: TX N-40M Mode 2452 MHz

## Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2483.5000	24.61	32.66	57.27	74.00	-16.73	Peak	
2 *	2483.5000	15.07	32.66	47.73	54.00	-6.27	AVG	

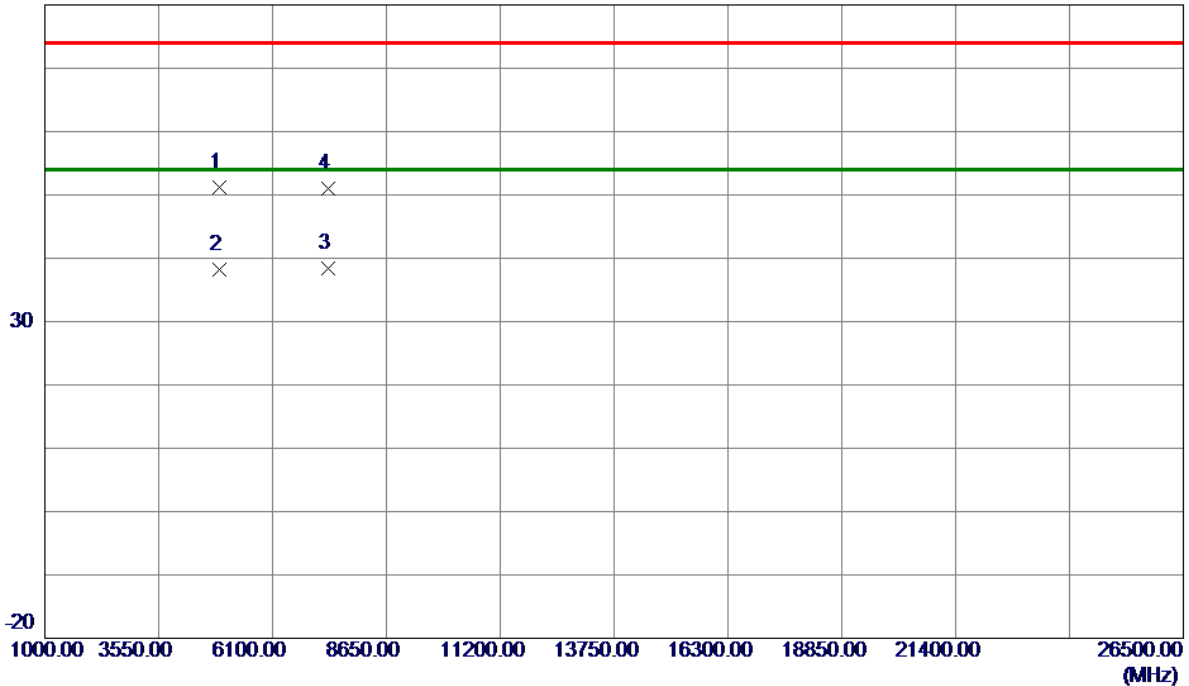
### REMARKS:

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

Test Mode: TX N-40M Mode 2452 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	4900.9200	64.49	-13.26	51.23	74.00	-22.77	Peak	
2	4902.3500	51.47	-13.26	38.21	54.00	-15.79	AVG	
3 *	7349.4400	44.35	-5.87	38.48	54.00	-15.52	AVG	
4	7350.1800	56.81	-5.87	50.94	74.00	-23.06	Peak	

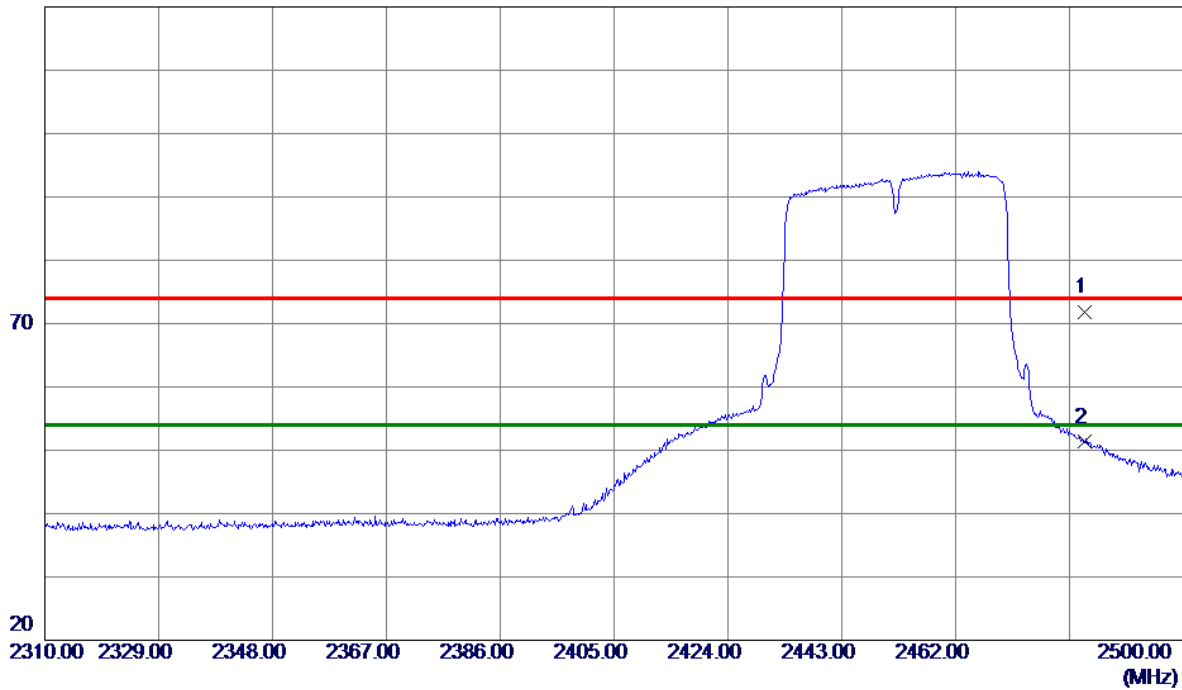
### REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

## Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2483.5000	39.08	32.66	71.74	74.00	-2.26	Peak	
2	2483.5000	18.64	32.66	51.30	54.00	-2.70	AVG	

### REMARKS:

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

Test Mode:	TX N-40M Mode 2452 MHz
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## Horizontal

80 dBuV/m

30

-20

1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00  
(MHz)

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4899.5200	69.82	-13.27	56.55	74.00	-17.45	Peak	
2 *	4903.7950	58.42	-13.25	45.17	54.00	-8.83	AVG	
3	7340.4500	62.70	-5.89	56.81	74.00	-17.19	Peak	
4	7350.8300	49.63	-5.86	43.77	54.00	-10.23	AVG	

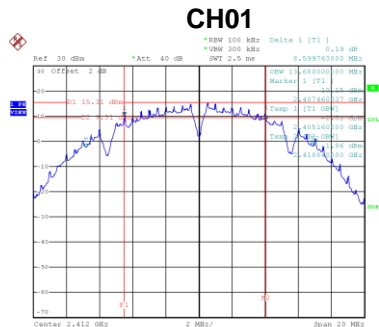
### REMARKS:

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

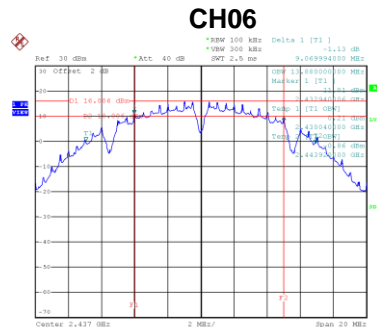
## **APPENDIX E - BANDWIDTH**

Test Mode	TX B Mode
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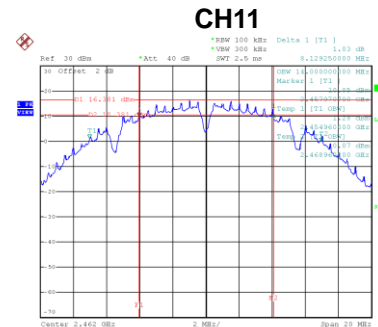
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	8.60	500	Complies
06	2437	9.07	500	Complies
11	2462	8.13	500	Complies



Date: 10.APR.2020 07:10:15

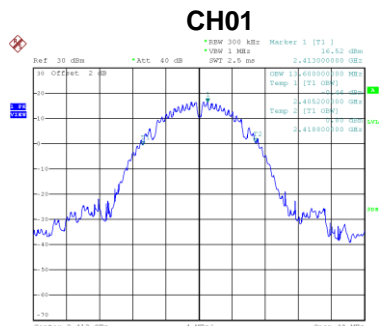


Date: 10.APR.2020 07:11:32

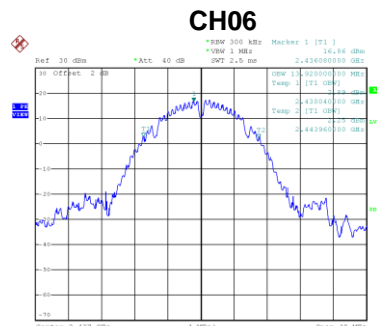


Date: 10.APR.2020 07:11:32

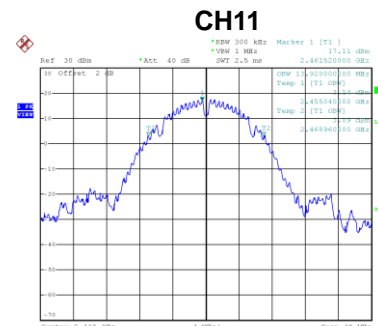
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	13.60	Complies
06	2437	13.92	Complies
11	2462	13.92	Complies



Date: 10.APR.2020 07:10:15



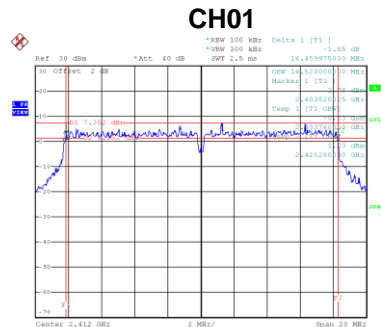
Date: 10.APR.2020 07:11:38



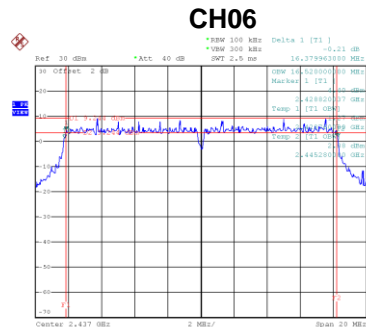
Date: 10.APR.2020 07:11:39

Test Mode	TX G Mode
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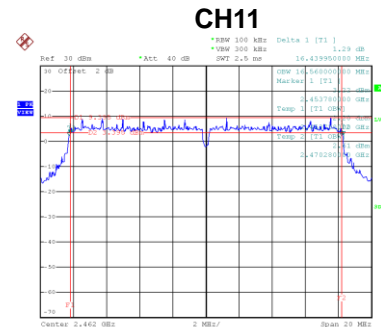
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	16.46	500	Complies
06	2437	16.38	500	Complies
11	2462	16.44	500	Complies



Date: 10.APR.2020 07:15:07

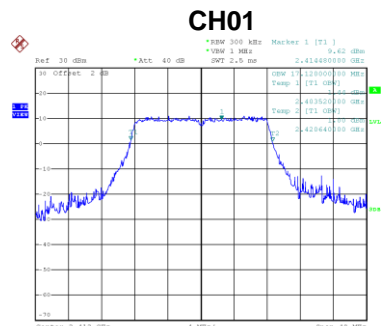


Date: 10.APR.2020 07:16:38

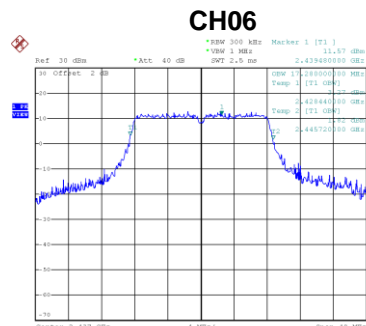


Date: 10.APR.2020 07:18:14

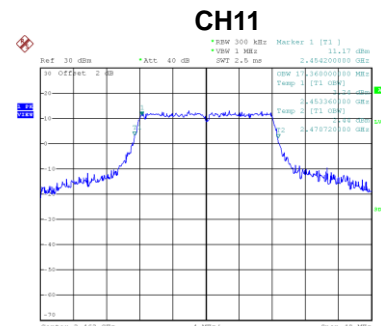
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	17.12	Complies
06	2437	17.28	Complies
11	2462	17.36	Complies



Date: 10.APR.2020 07:15:13



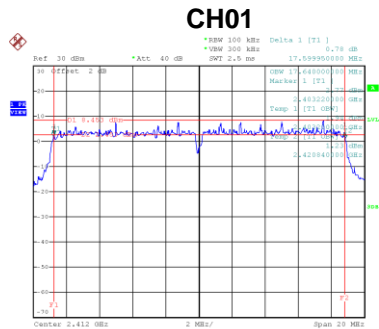
Date: 10.APR.2020 07:16:45



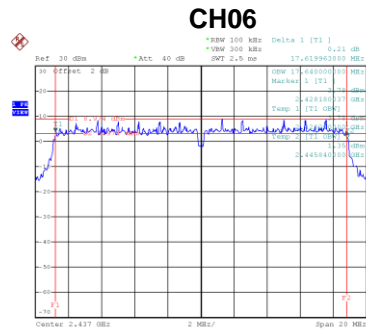
Date: 10.APR.2020 07:18:21

Test Mode	TX N-20M Mode
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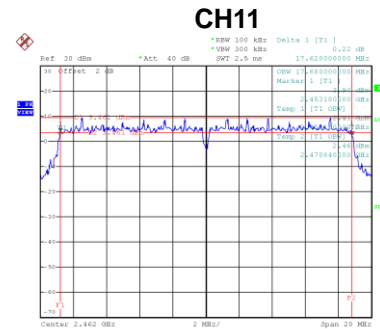
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	17.60	500	Complies
06	2437	17.62	500	Complies
11	2462	17.62	500	Complies



Date: 10.APR.2020 07:19:50

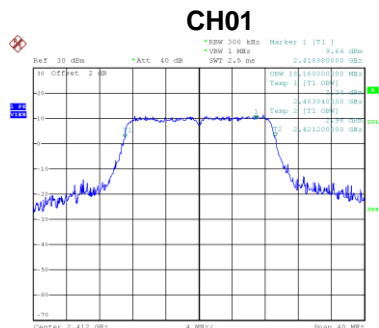


Date: 10.APR.2020 07:21:21

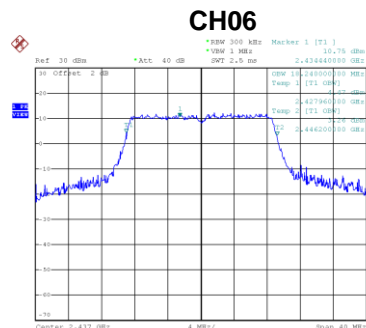


Date: 10.APR.2020 07:22:49

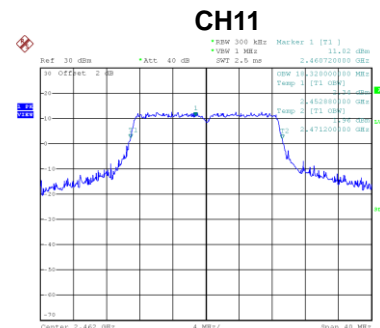
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	18.16	Complies
06	2437	18.24	Complies
11	2462	18.32	Complies



Date: 10.APR.2020 07:19:56



Date: 10.APR.2020 07:21:28

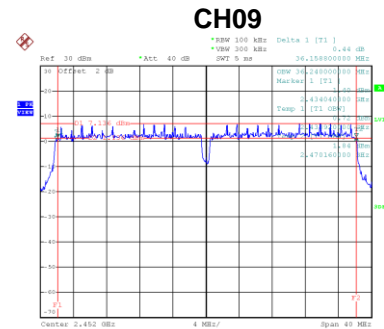
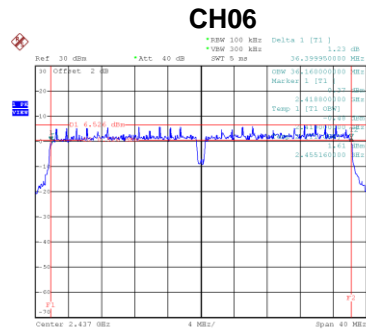
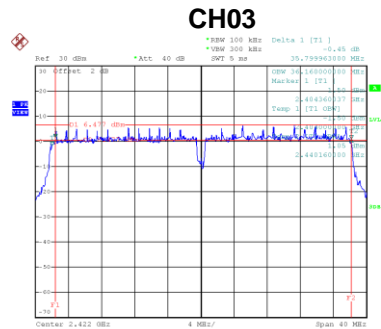


Date: 10.APR.2020 07:22:56

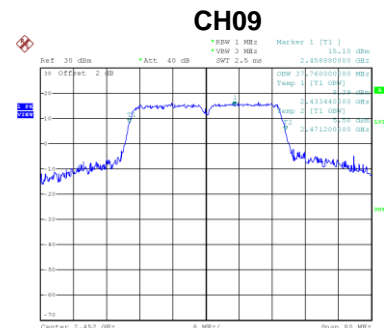
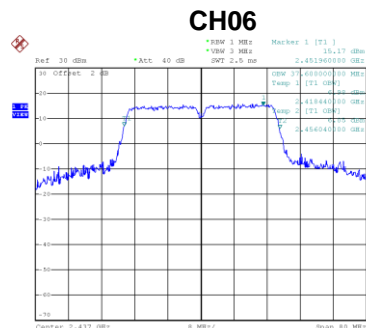
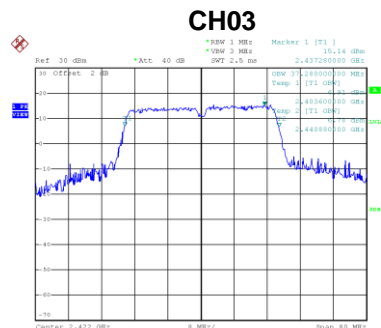


Test Mode	TX N-40M Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
03	2422	35.80	500	Complies
06	2437	36.40	500	Complies
09	2452	36.16	500	Complies



Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
03	2422	37.28	Complies
06	2437	37.60	Complies
09	2452	37.76	Complies



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

Test Mode	TX B Mode
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.49	30.00	1.0000	Complies
06	2437	14.35	30.00	1.0000	Complies
11	2462	14.81	30.00	1.0000	Complies

Test Mode	TX G Mode
-----------	-----------

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	25.51	30.00	1.0000	Complies
06	2437	25.83	30.00	1.0000	Complies
11	2462	26.08	30.00	1.0000	Complies

Test Mode	TX N-20M Mode
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	25.26	30.00	1.0000	Complies
06	2437	25.72	30.00	1.0000	Complies
11	2462	25.94	30.00	1.0000	Complies

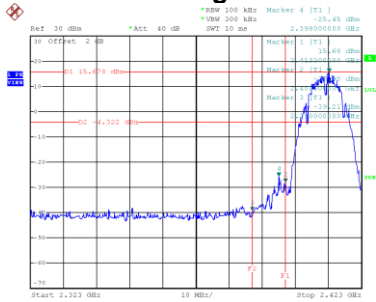
Test Mode	TX N-40M Mode
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	25.49	30.00	1.0000	Complies
06	2437	25.67	30.00	1.0000	Complies
09	2452	23.98	30.00	1.0000	Complies

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

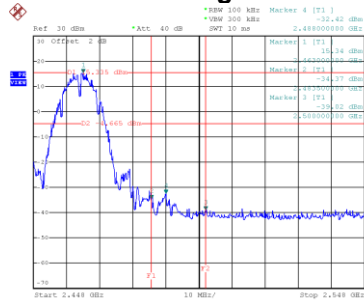
TX B Mode

## Bandedge-CH01



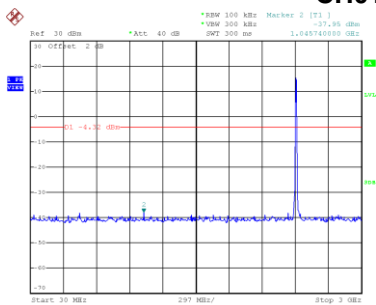
Date: 10.APR.2020 07:10:12

## Bandedge-CH11

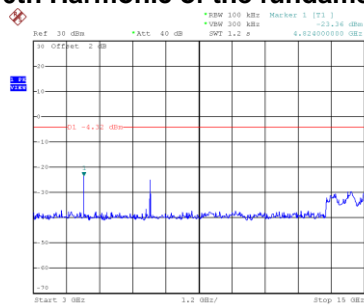


Date: 10.APR.2020 07:13:46

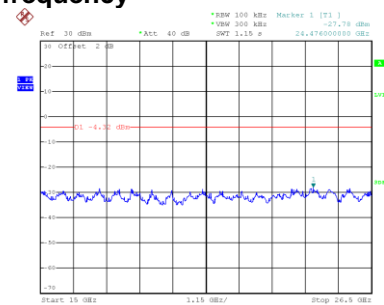
**CH01 – 10th Harmonic of the fundamental frequency**



Date: 10.APR.2020 07:10:25

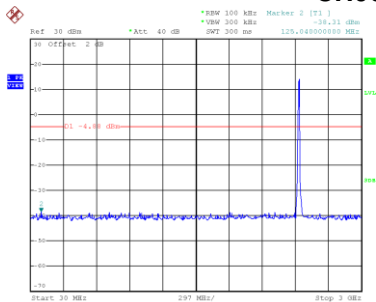


Date: 10.APR.2020 07:10:32

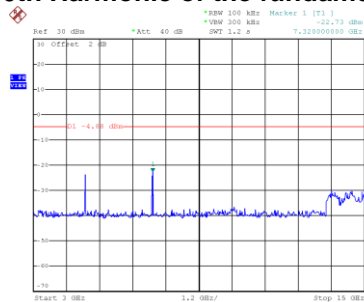


Date: 10.APR.2020 07:10:39

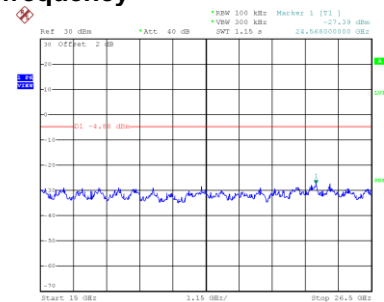
### CH06 – 10th Harmonic of the fundamental frequency



Date: 10.APR.2020 07:11:58

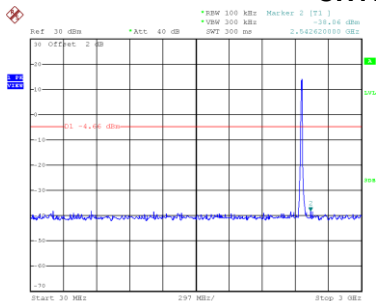


Date: 10.APR.2020 07:12:05

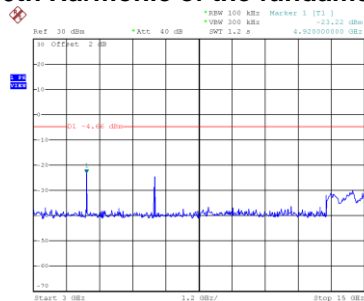


Date: 10.APR.2020 07:12:13

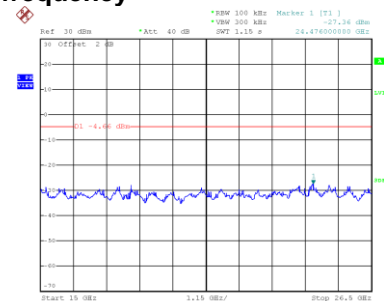
### CH11 – 10th Harmonic of the fundamental frequency



Date: 10.APR.2020 07:13:59



Date: 10.APR.2020 07:14:06

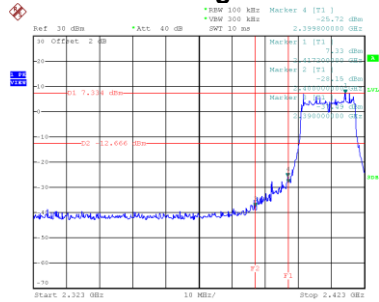


Date: 10.APR.2020 07:14:13

Test Mode

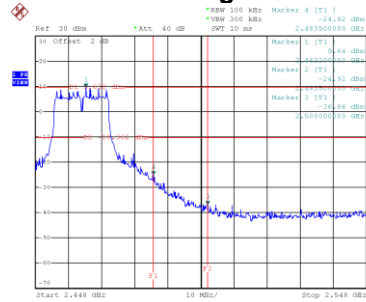
TX G Mode

## Bandedge-CH01



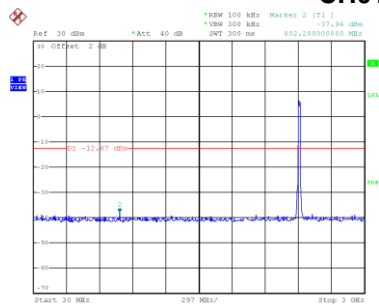
Date: 10.APR.2020 07:15:20

## Bandedge-CH11

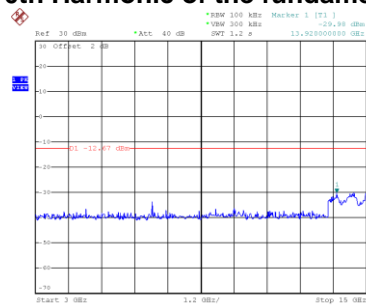


Date: 10.APR.2020 07:18:28

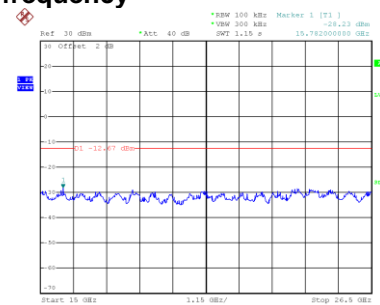
**CH01 – 10th Harmonic of the fundamental frequency**



Date: 10.APR.2020 07:15:33

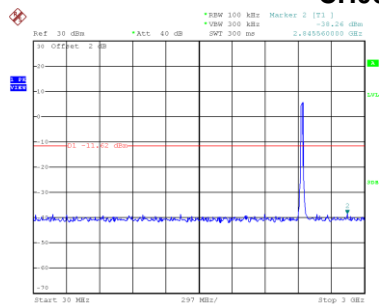


Date: 10.APR.2020 07:15:40

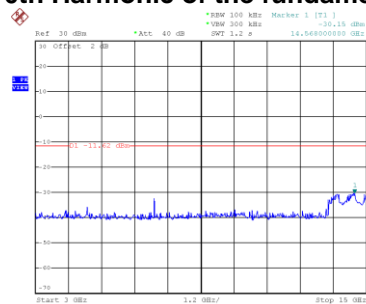


Date: 10.APR.2020 07:15:47

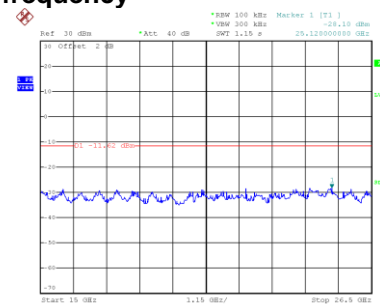
### CH06 – 10th Harmonic of the fundamental frequency



Date: 10.APR.2020 07:17:05

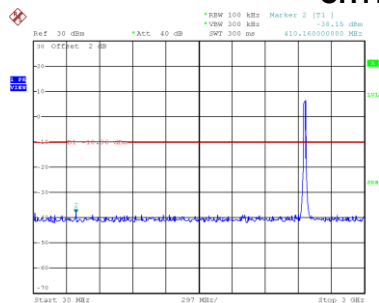


Date: 10.APR.2020 07:17:12

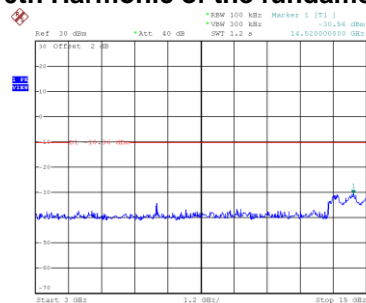


Date: 10.APR.2020 07:17:20

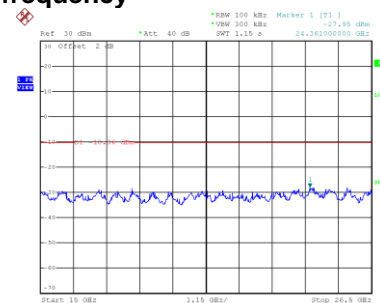
### CH11 – 10th Harmonic of the fundamental frequency



Date: 10.APR.2020 07:18:41



Date: 10.APR.2020 07:18:48

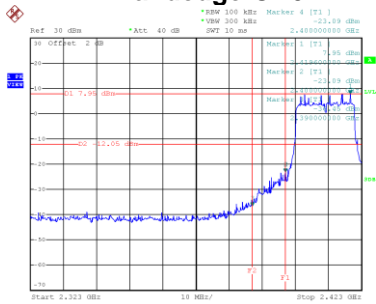


Date: 10.APR.2020 07:18:55

Test Mode

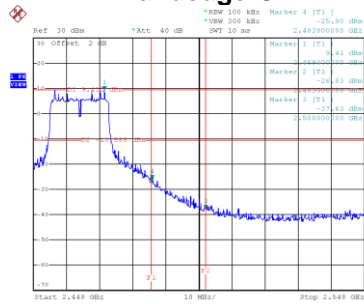
TX N-20M Mode

## Bandedge-CH01



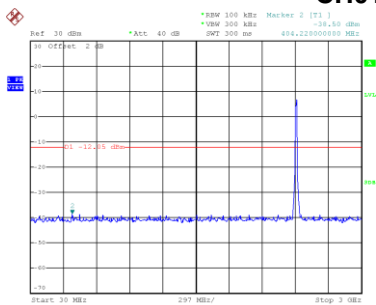
Date: 10.APR.2020 07:20:03

## Bandedge-CH11

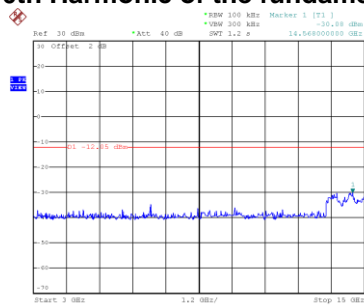


Date: 10.APR.2020 07:23:03

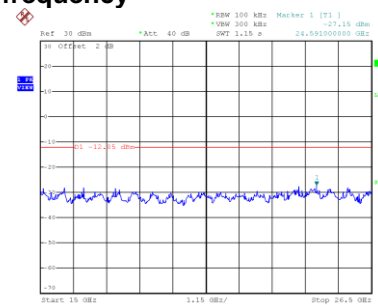
**CH01 – 10th Harmonic of the fundamental frequency**



Date: 10.APR.2020 07:20:16

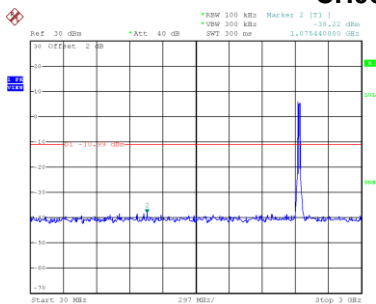


Date: 10.APR.2020 07:20:23

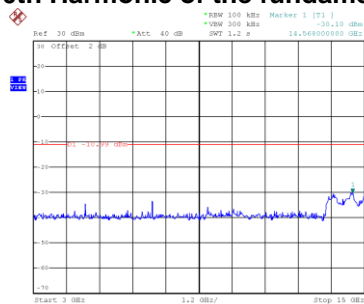


Date: 10.APR.2020 07:20:30

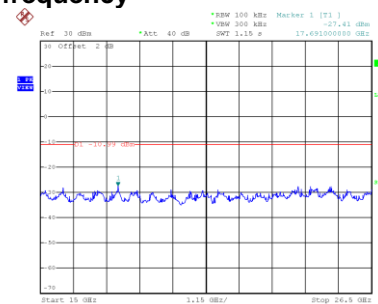
### CH06 – 10th Harmonic of the fundamental frequency



Date: 10.APR.2020 07:21:48

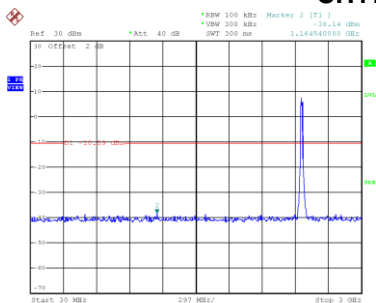


Date: 10.APR.2020 07:21:55

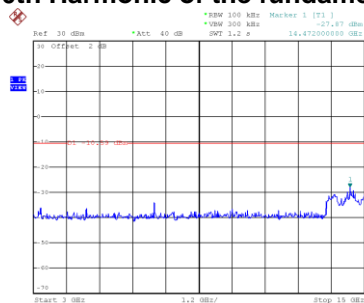


Date: 10.APR.2020 07:22:02

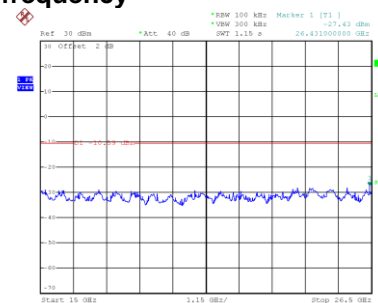
### CH11 – 10th Harmonic of the fundamental frequency



Date: 10.APR.2020 07:23:16



Date: 10.APR.2020 07:23:24

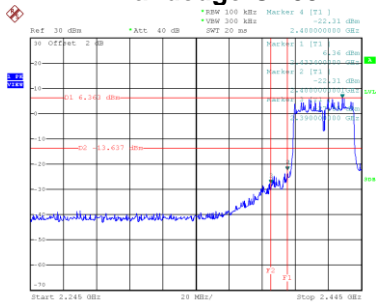


Date: 10.APR.2020 07:23:31

Test Mode

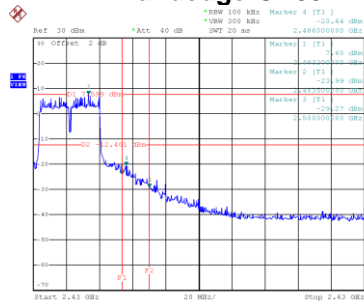
TX N-40M Mode

## Bandedge-CH03



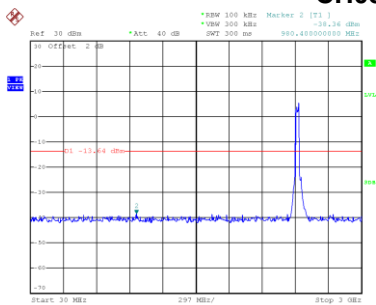
Date: 10.APR.2020 07:24:41

## Bandedge-CH09

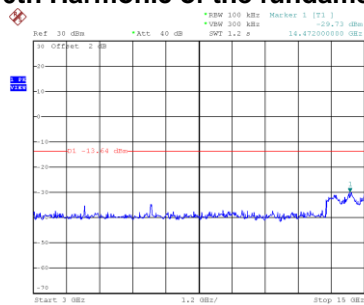


Date: 10.APR.2020 07:27:45

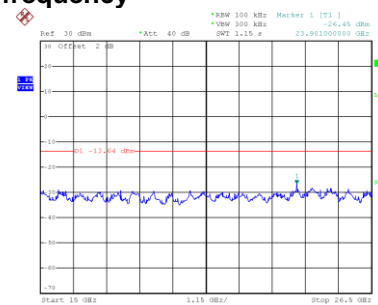
### CH03 – 10th Harmonic of the fundamental frequency



Date: 10.APR.2020 07:24:54

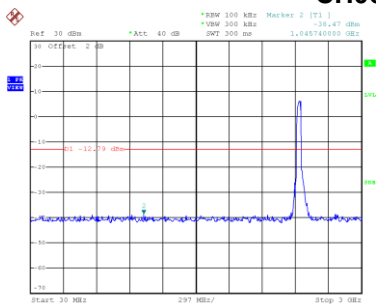


Date: 10.APR.2020 07:25:01

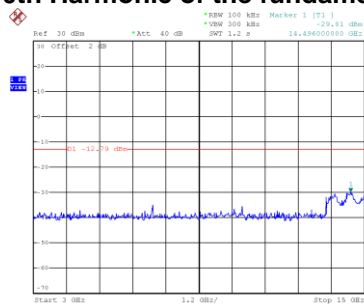


Date: 10.APR.2020 07:25:08

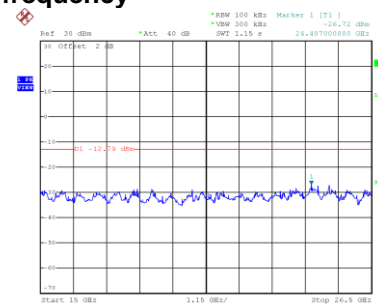
### CH06 – 10th Harmonic of the fundamental frequency



Date: 10.APR.2020 07:26:26

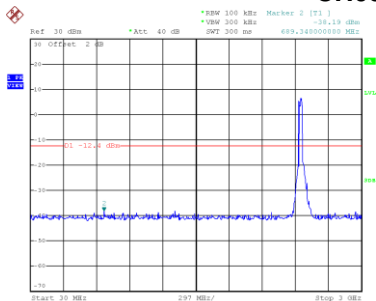


Date: 10.APR.2020 07:26:34

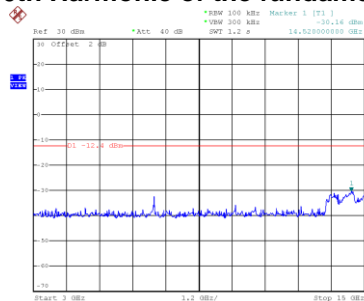


Date: 10.APR.2020 07:26:41

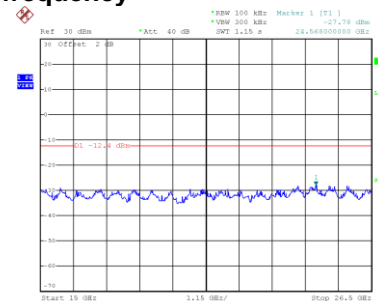
### CH09 – 10th Harmonic of the fundamental frequency



Date: 10.APR.2020 07:27:58



Date: 10.APR.2020 07:28:05



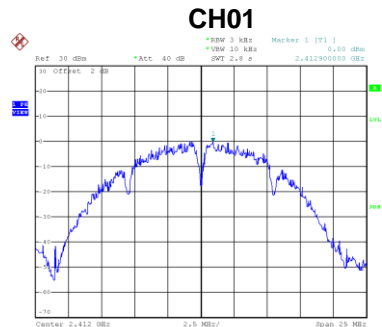
Date: 10.APR.2020 07:28:12



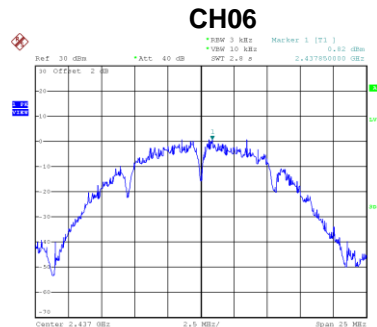
## **APPENDIX H - POWER SPECTRAL DENSITY**

Test Mode	TX B Mode
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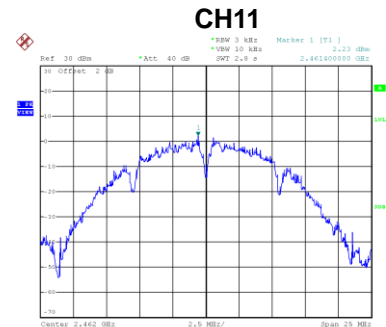
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	0.00	8	Complies
06	2437	0.82	8	Complies
11	2462	2.23	8	Complies



Date: 10.APR.2020 07:10:21



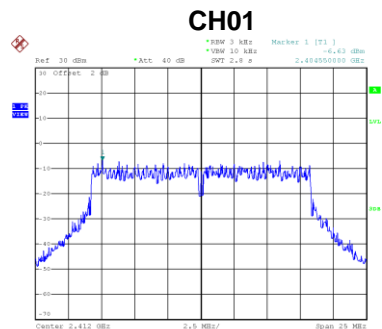
Date: 10.APR.2020 07:11:21



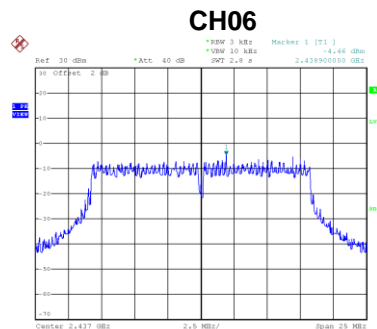
Date: 10.APR.2020 07:11:22

Test Mode	TX G Mode
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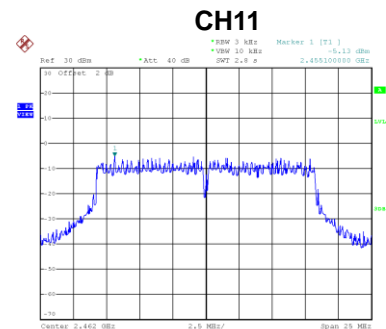
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-6.63	8	Complies
06	2437	-4.46	8	Complies
11	2462	-5.13	8	Complies



Date: 10.APR.2020 07:15:56



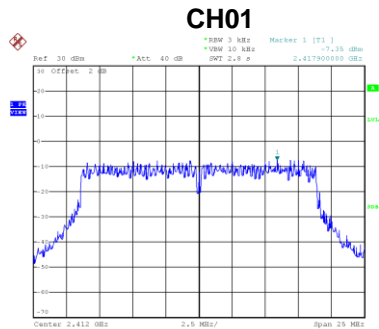
Date: 10.APR.2020 07:17:28



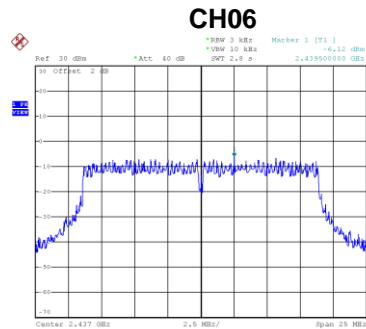
Date: 10.APR.2020 07:19:04

Test Mode	TX N-20M Mode
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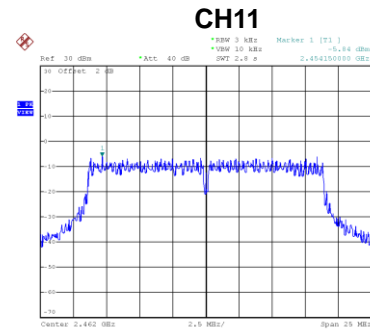
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-7.35	8	Complies
06	2437	-6.12	8	Complies
11	2462	-5.84	8	Complies



Date: 10.APR.2020 07:120139



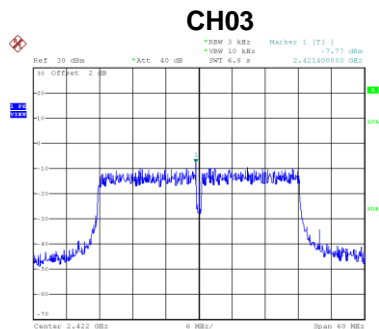
Date: 10.APR.2020 07:122110



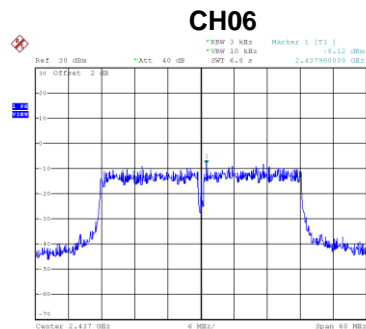
Date: 10.APR.2020 07:123139

Test Mode	TX N-40M Mode
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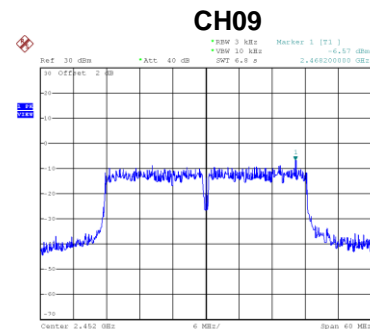
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-7.77	8	Complies
06	2437	-8.12	8	Complies
09	2452	-6.57	8	Complies



Date: 10.APR.2020 07:125120



Date: 10.APR.2020 07:126152



Date: 10.APR.2020 07:128124

End of Test Report