

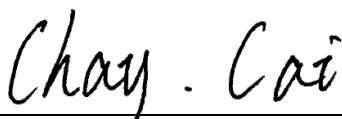
FCC Radio Test Report

FCC ID: VW3FAST286

This report concerns: Original Grant

Project No. : 2007C003
Equipment : Smart Wi-Fi extender
Brand Name : SAGEMCOM
Test Model : F286 US
Series Model : N/A
Applicant : SAGEMCOM BROADBAND SAS
Address : 250 Route de l' Empereur - 92848 RUEIL MALMAISONCEDEX-FRANCE
Manufacturer : SAGEMCOM BROADBAND SAS
Address : 250 Route de l' Empereur - 92848 RUEIL MALMAISONCEDEX-FRANCE
Date of Receipt : Jul. 01, 2020
Date of Test : Jul. 02, 2020 ~ Aug. 03, 2020
Issued Date : Jun. 02, 2021
Report Version : R00
Test Sample : Engineering Sample No.: DG20200701165 for conducted, DG20200701166 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.	Jun. 02, 2021

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	Sheldon Ou
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V/60Hz	Sheldon Ou
Radiated Emissions-30 MHz to 1GHz	22°C	54%	AC 120V/60Hz	Sheldon Ou
Radiated Emissions-Above 1000 MHz	22°C	54%	AC 120V/60Hz	Sheldon Ou
Bandwidth	24°C	62%	DC 12V	Hayden Chen
Maximum Output Power	24°C	62%	DC 12V	Laughing Zhang
Conducted Spurious Emissions	24°C	62%	DC 12V	Hayden Chen
Power Spectral Density	24°C	62%	DC 12V	Hayden Chen

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Smart Wi-Fi extender
Brand Name	SAGEMCOM
Test Model	F286 US
Series Model	N/A
Model Difference(s)	N/A
Hardware Version	SagemcomFast286-01
Software Version	10.10.131.34
Power Source	DC voltage supplied from AC adapter. 1# Manufacturer / Model: MOSO / MSG-V1500NR120-01810-US 2# Manufacturer / Model: HONOR / ADS-18FQA-12 12018EPCU-L
Power Rating	I/P:100-127V~ 50/60Hz 0.7A max. O/P: 12.0V $\overline{=}$ 1.5A
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 300 Mbps
Maximum Output Power _Non Beamforming	IEEE 802.11b: 28.42 dBm (0.6950 W) IEEE 802.11g: 26.76 dBm (0.4742 W) IEEE 802.11n (HT20): 28.22 dBm (0.6637 W) IEEE 802.11n (HT40): 20.28 dBm (0.1067 W)
Maximum Output Power Beamforming	IEEE 802.11n (HT20): 27.93 dBm (0.6209 W) IEEE 802.11n (HT40): 19.96 dBm (0.0991 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)
1	N/A	N/A	Internal	N/A	3
2	N/A	N/A	Internal	N/A	3

Note:

- This EUT supports MIMO 2X2, and all antennas have the same gain, any transmit signals are uncorrelated with each other, so the Directional Gain=Antenna Gain=3.
- Beamforming Gain: 1.5 dB. So the Directional gain=1.5+3=4.5.

4. Table for Antenna Configuration:
For Non Beamforming:

Operating Mode	TX Mode	1TX	2TX
IEEE 802.11b		V (Ant. 1)	-
IEEE 802.11g		V (Ant. 1)	-
IEEE 802.11n (HT20)		-	V (Ant. 1 + Ant. 2)
IEEE 802.11n (HT40)		-	V (Ant. 1 + Ant. 2)

For Beamforming:

Operating Mode	TX Mode	2TX
IEEE 802.11n (HT20)		V (Ant. 1 + Ant. 2)
IEEE 802.11n (HT40)		V (Ant. 1 + Ant. 2)

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 B 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 5	TX B Mode Channel 06

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 5	TX B Mode Channel 06

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

Maximum Output Power test_Non Beamforming	
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

Maximum Output Power test_Beamforming	
Final Test Mode	Description
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) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (3) For radiated emission below 1 GHz test, the IEEE 802.11b Channel 06 is found to be the worst case and recorded.
- (4) For radiated emission above 1 GHz test, 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (5) The measurements for Output Power were tested, the Non Beamforming and Beamforming are recorded in the report. The worst case was Non Beamforming and only worst case were documented for other test items.
- (6) All adapters had been pre-tested and in this report only recorded the worst case.

2.3 PARAMETERS OF TEST SOFTWARE

Non Beamforming

Test Software	accessMTool V3.1.0.3		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	89	110	95
IEEE 802.11g	63	106	81
IEEE 802.11n (HT20)	55	100	78
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	48	63	71

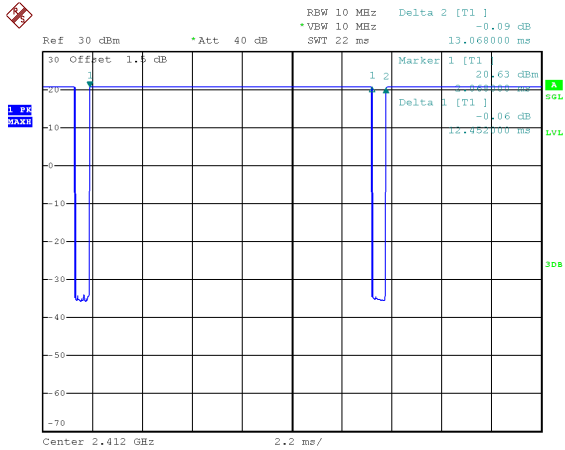
Beamforming

Test Software	accessMTool V3.1.0.3		
Frequency (MHz)	2412	2437	2462
IEEE 802.11n (HT20)	54	99	77
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	47	62	70

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.

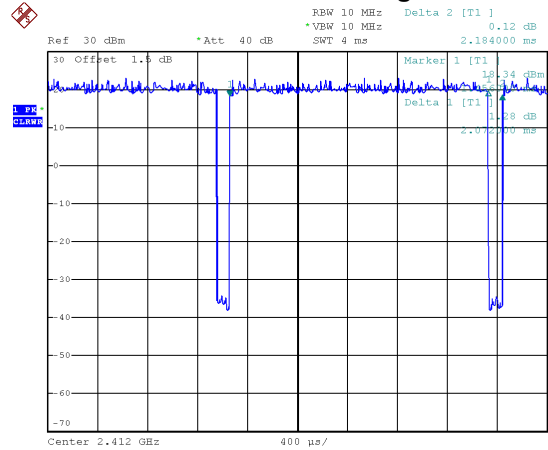
IEEE 802.11b



Date: 15.JUL.2020 14:12:31

Duty cycle = 12.452 ms / 13.068 ms = 95.29%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.21$

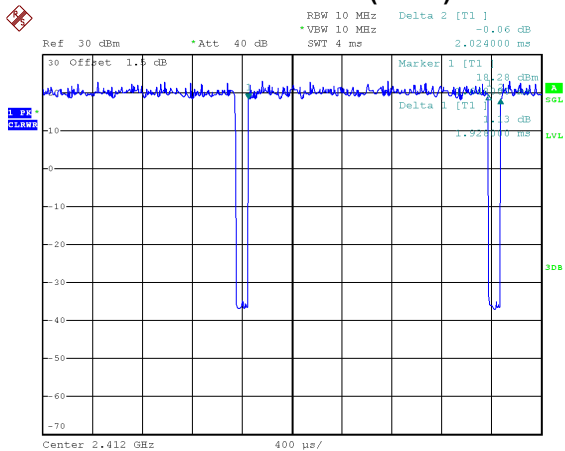
IEEE 802.11g



Date: 15.JUL.2020 14:12:52

Duty cycle = 2.072 ms / 2.184 ms = 94.87%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.23$

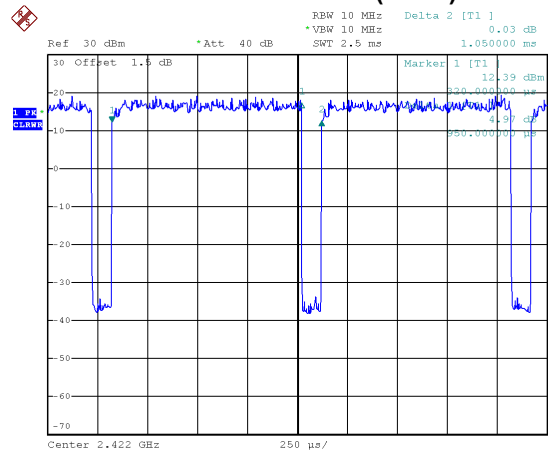
IEEE 802.11n (HT20)



Date: 15.JUL.2020 14:13:09

Duty cycle = 1.928 ms / 2.024 ms = 95.26%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.21$

IEEE 802.11n (HT40)



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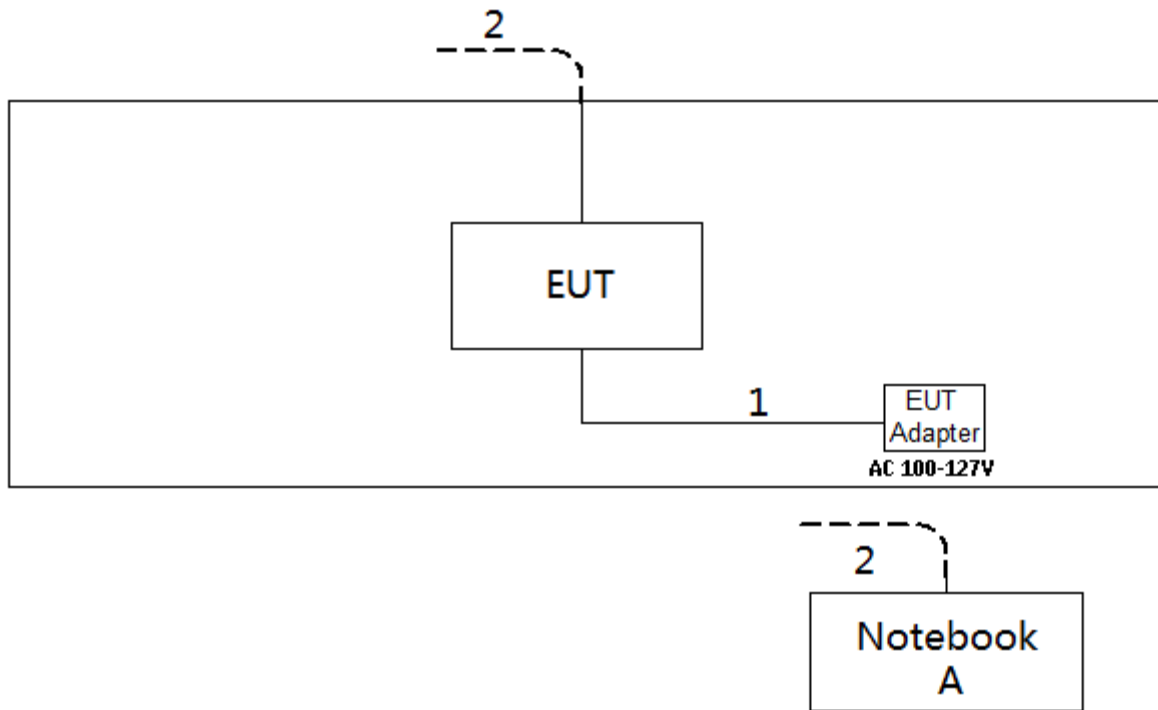
Duty cycle = 0.950 ms / 1.050 ms = 90.48%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.43$

NOTE:

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

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	Inspiron 15-7559	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.5m
2	RJ45 Cable	NO	NO	10m

3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

Frequency of Emission (MHz)	Limit (dB μ 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

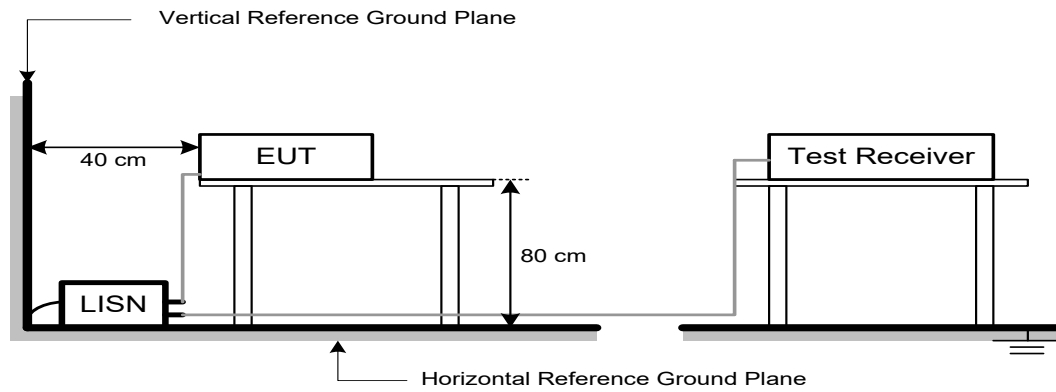
3.2 TEST PROCEDURE

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

NOTE:

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

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

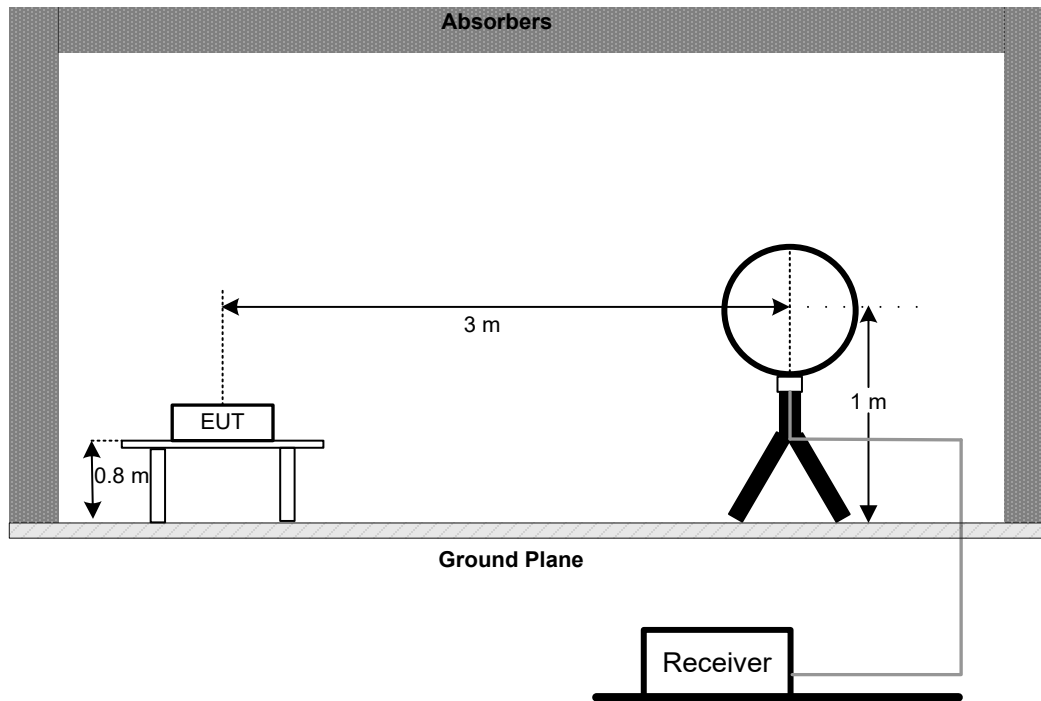
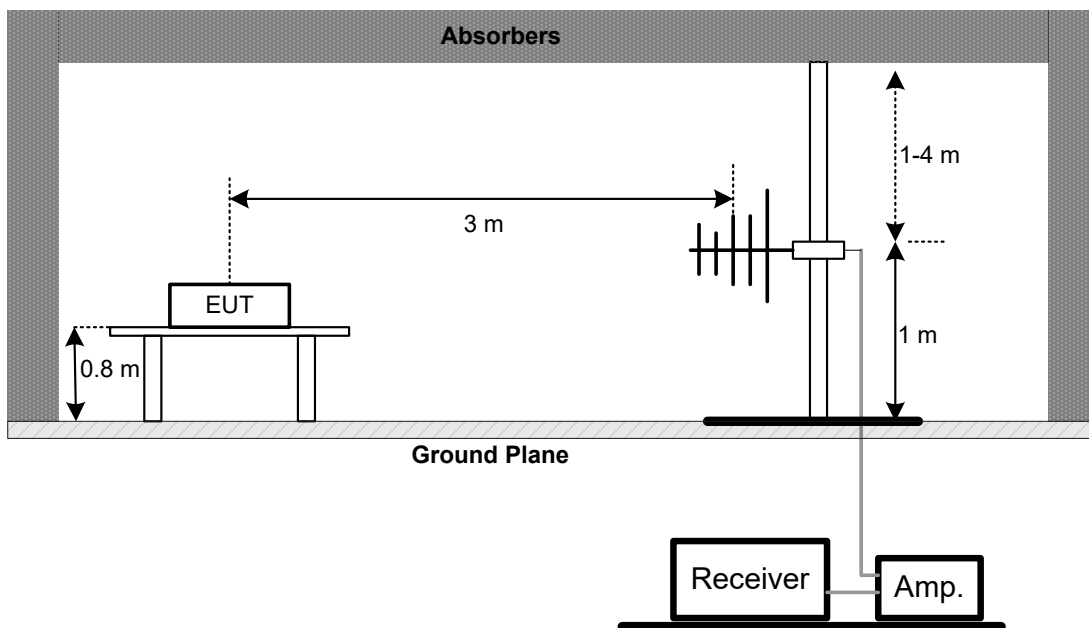
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000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

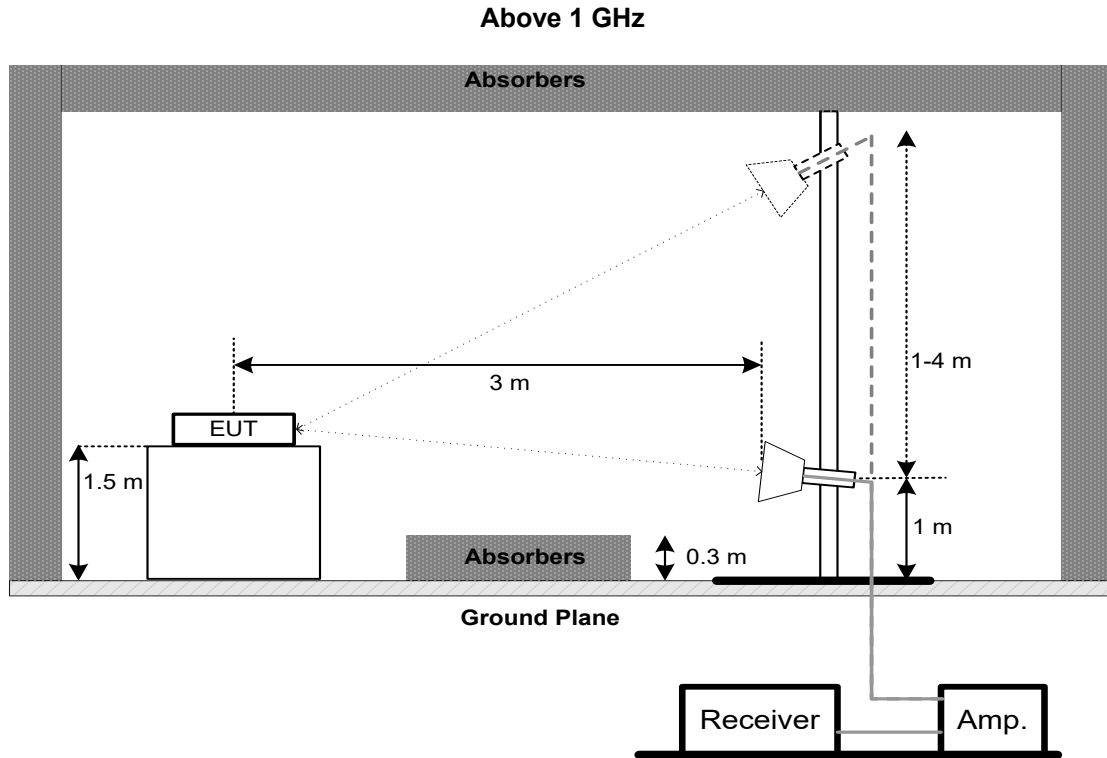
4.2 TEST PROCEDURE

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

4.3 DEVIATION FROM TEST STANDARD

No deviation

4.4 TEST SETUP**9 kHz-30 MHz****30 MHz to 1 GHz**



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

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. 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.
- c. 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 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

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.

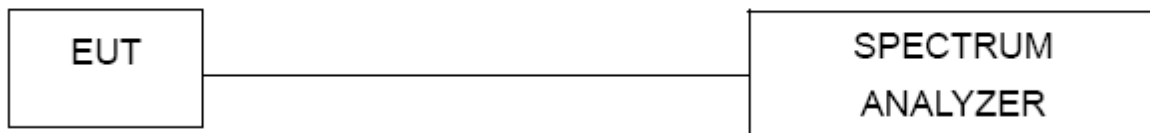
7.2 TEST PROCEDURE

- 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

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

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

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

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

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Jul. 25, 2021
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jul. 25, 2021

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

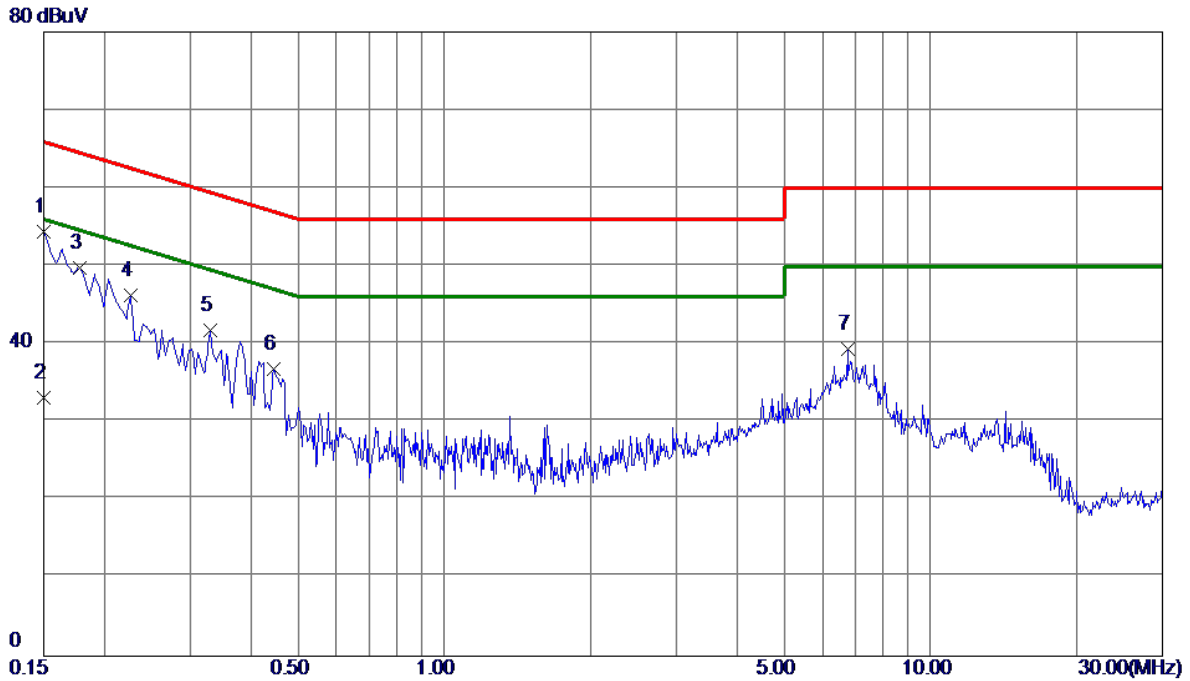
"**" calibration period of equipment list is three year.

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

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode: TX B Mode Channel 06

Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1500	44.75	9.67	54.42	66.00	-11.58	Peak	
2	0.1500	23.40	9.67	33.07	56.00	-22.93	AVG	
3	0.1777	39.91	9.84	49.75	64.59	-14.84	Peak	
4	0.2265	36.36	9.89	46.25	62.58	-16.33	Peak	
5	0.3300	31.93	9.90	41.83	59.45	-17.62	Peak	
6	0.4470	26.83	9.93	36.76	56.93	-20.17	Peak	
7	6.7560	28.87	10.46	39.33	60.00	-20.67	Peak	

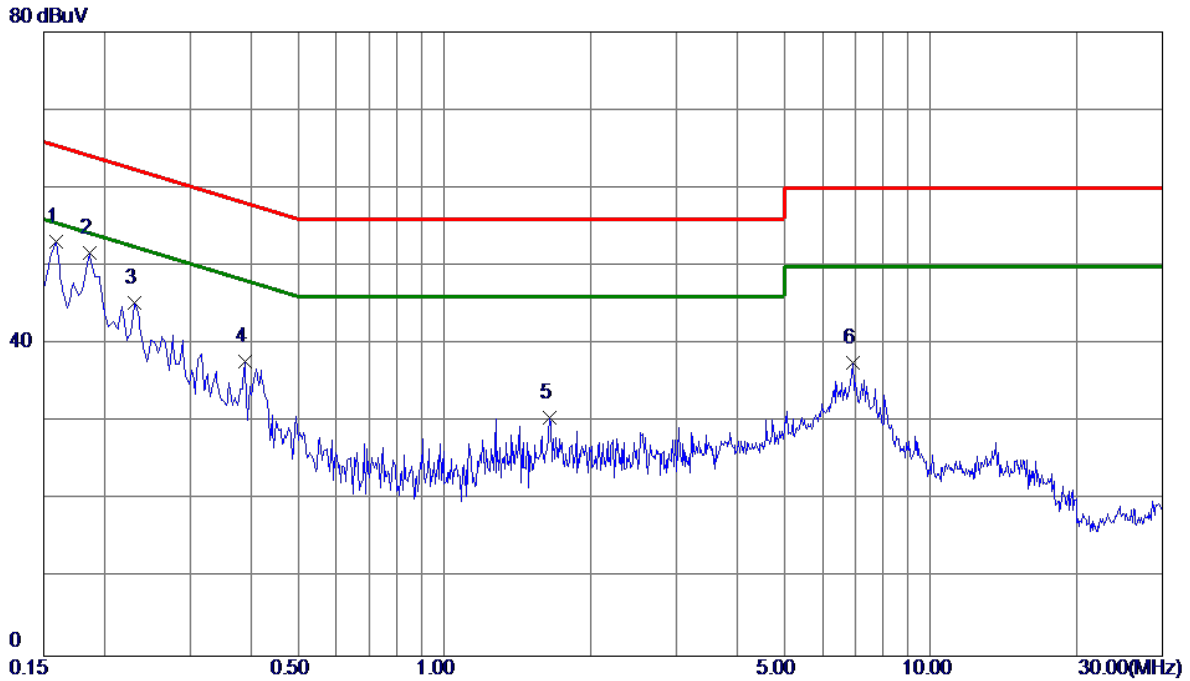
REMARKS:

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

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

Test Mode: TX B Mode Channel 06

Neutral



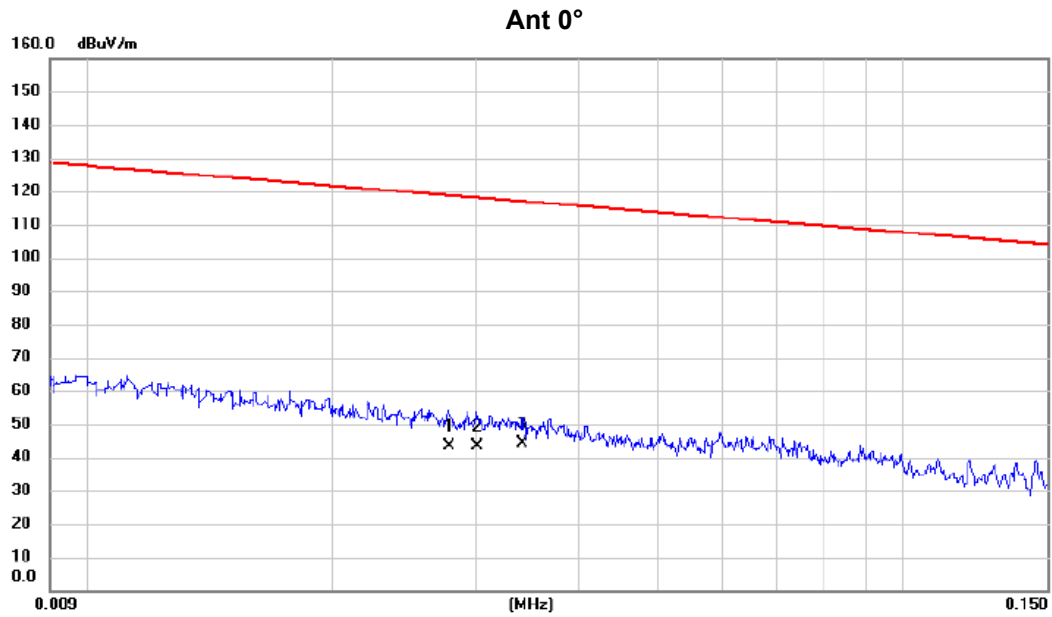
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1590	43.24	9.81	53.05	65.52	-12.47	Peak	
2	0.1860	41.74	9.96	51.70	64.21	-12.51	Peak	
3	0.2310	35.36	9.99	45.35	62.41	-17.06	Peak	
4	0.3885	27.67	10.08	37.75	58.10	-20.35	Peak	
5	1.6485	20.22	10.38	30.60	56.00	-25.40	Peak	
6	6.9090	26.77	10.81	37.58	60.00	-22.42	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 B Mode Channel 06

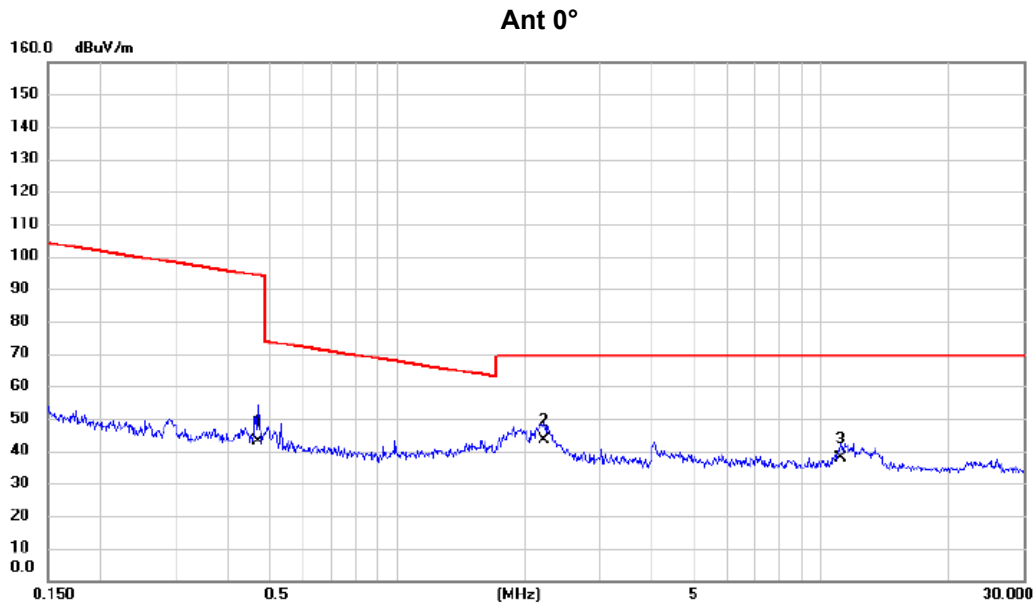


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		0.0278	30.46	12.92	43.38	118.72	-75.34	AVG		
2		0.0301	30.62	12.86	43.48	118.03	-74.55	AVG		
3	*	0.0342	31.62	12.76	44.38	116.92	-72.54	AVG		

REMARKS:

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

Test Mode: TX B Mode Channel 06



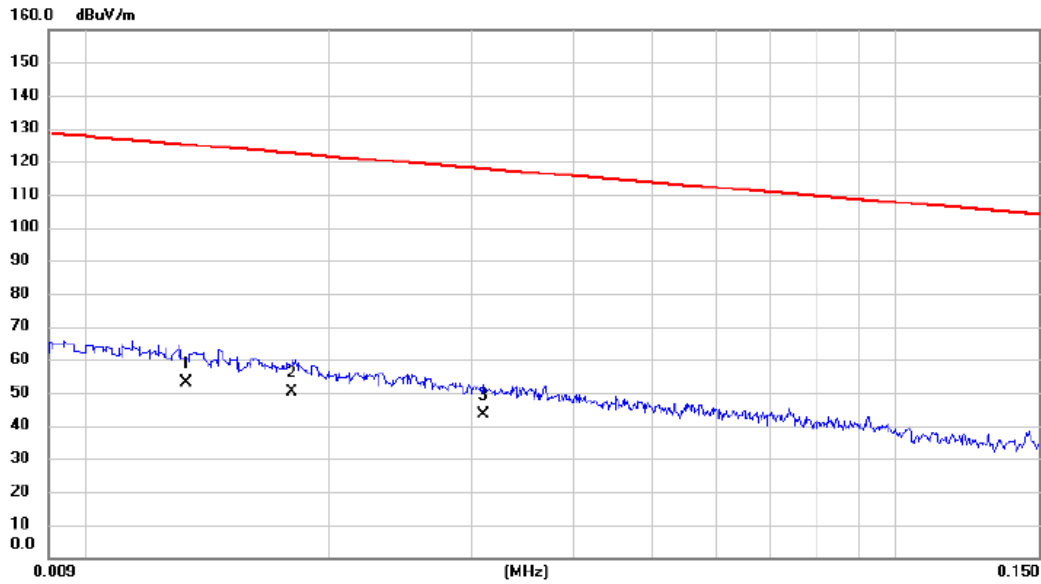
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		0.4686	31.32	11.88	43.20	94.19	-50.99	AVG		
2	*	2.2250	32.63	10.96	43.59	69.54	-25.95	QP		
3		11.1386	26.86	11.07	37.93	69.54	-31.61	QP		

REMARKS:

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

Test Mode: TX B Mode Channel 06

Ant 90°

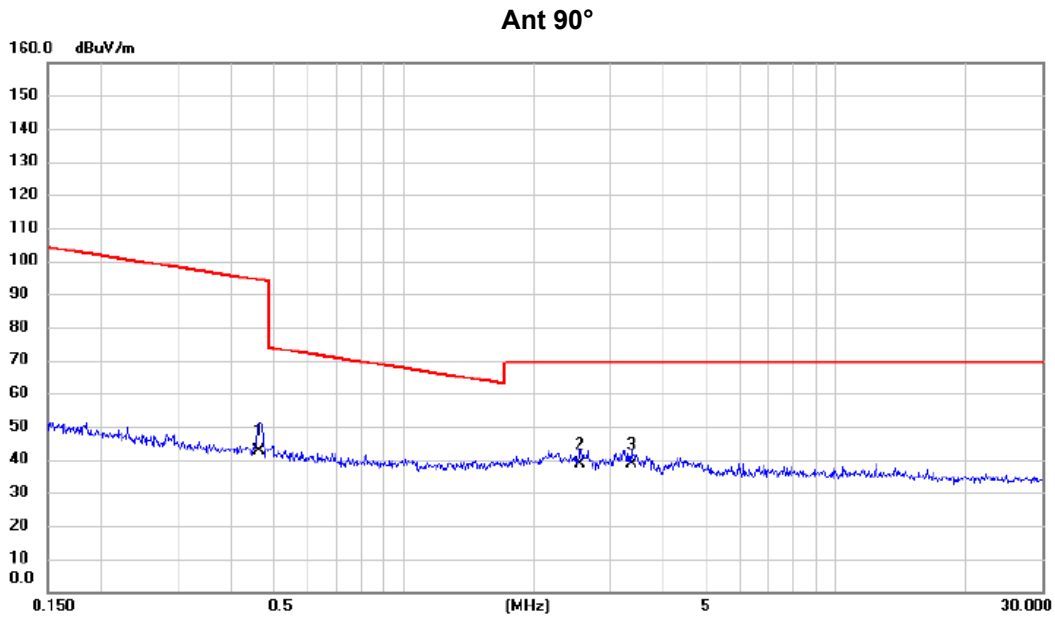


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	0.0133	37.62	15.21	52.83	125.13	-72.30	AVG		
2		0.0180	36.32	13.75	50.07	122.50	-72.43	AVG		
3		0.0310	30.61	12.84	43.45	117.78	-74.33	AVG		

REMARKS:

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

Test Mode: TX B Mode Channel 06



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		0.4637	30.62	11.90	42.52	94.28	-51.76			AVG
2	*	2.5671	27.95	10.77	38.72	69.54	-30.82			QP
3		3.3635	28.13	10.56	38.69	69.54	-30.85			QP

REMARKS:

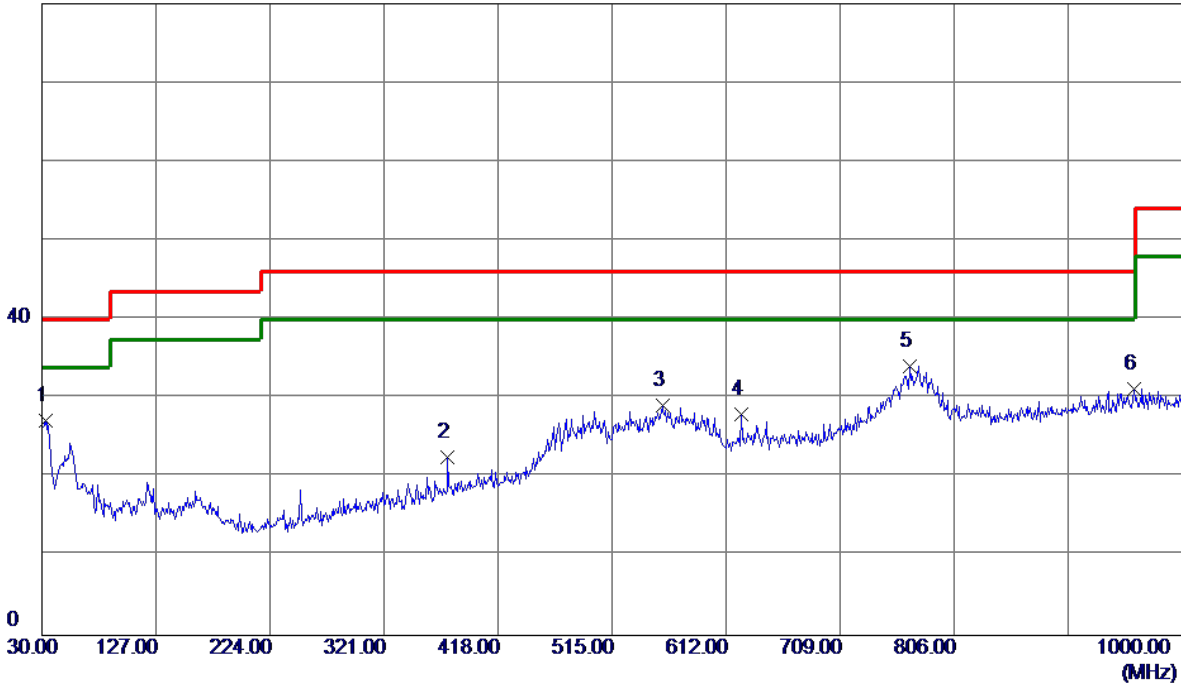
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode: TX B Mode Channel 06

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	32.9100	41.83	-14.61	27.22	40.00	-12.78	Peak	
2	375.3200	32.20	-9.60	22.60	46.00	-23.40	Peak	
3	557.6800	35.67	-6.58	29.09	46.00	-16.91	Peak	
4	624.6100	32.86	-4.82	28.04	46.00	-17.96	Peak	
5 *	768.1700	37.02	-2.96	34.06	46.00	-11.94	Peak	
6	959.2600	30.92	0.32	31.24	46.00	-14.76	Peak	

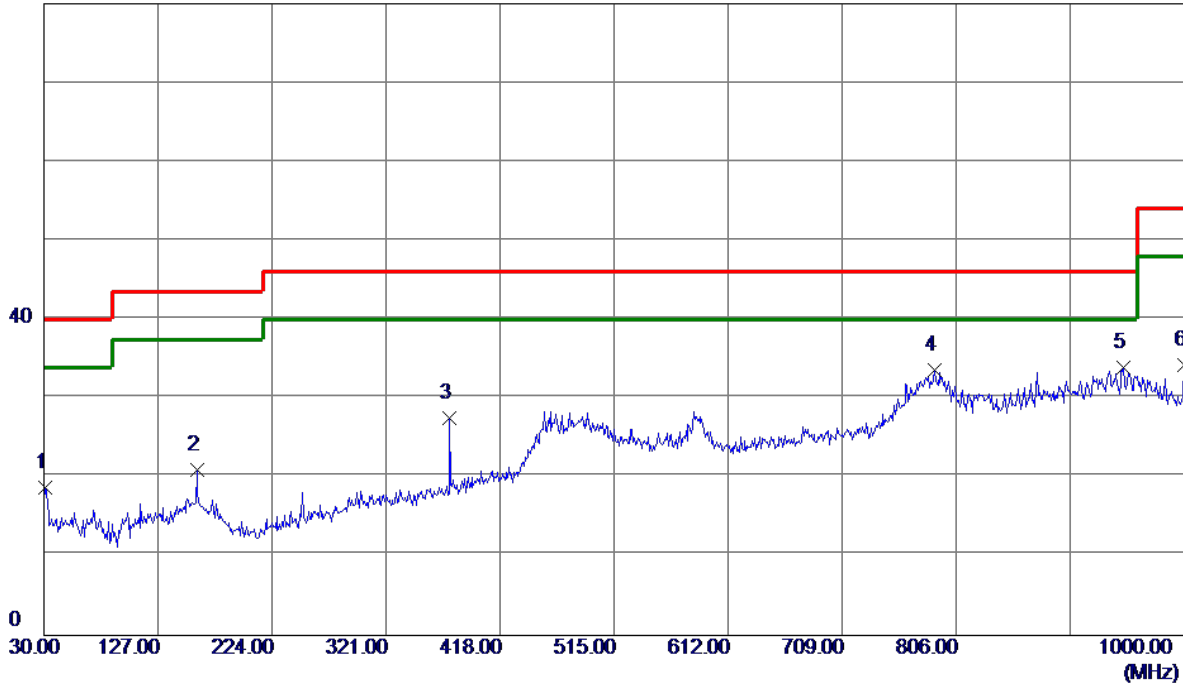
REMARKS:

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

Test Mode: TX B 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	30.9700	33.26	-14.55	18.71	40.00	-21.29	Peak	
2	159.9800	31.64	-10.67	20.97	43.50	-22.53	Peak	
3	375.3200	37.17	-9.60	27.57	46.00	-18.43	Peak	
4	787.5700	36.37	-2.70	33.67	46.00	-12.33	Peak	
5 *	948.5900	33.86	0.10	33.96	46.00	-12.04	Peak	
6	1000.0000	33.07	1.12	34.19	54.00	-19.81	Peak	

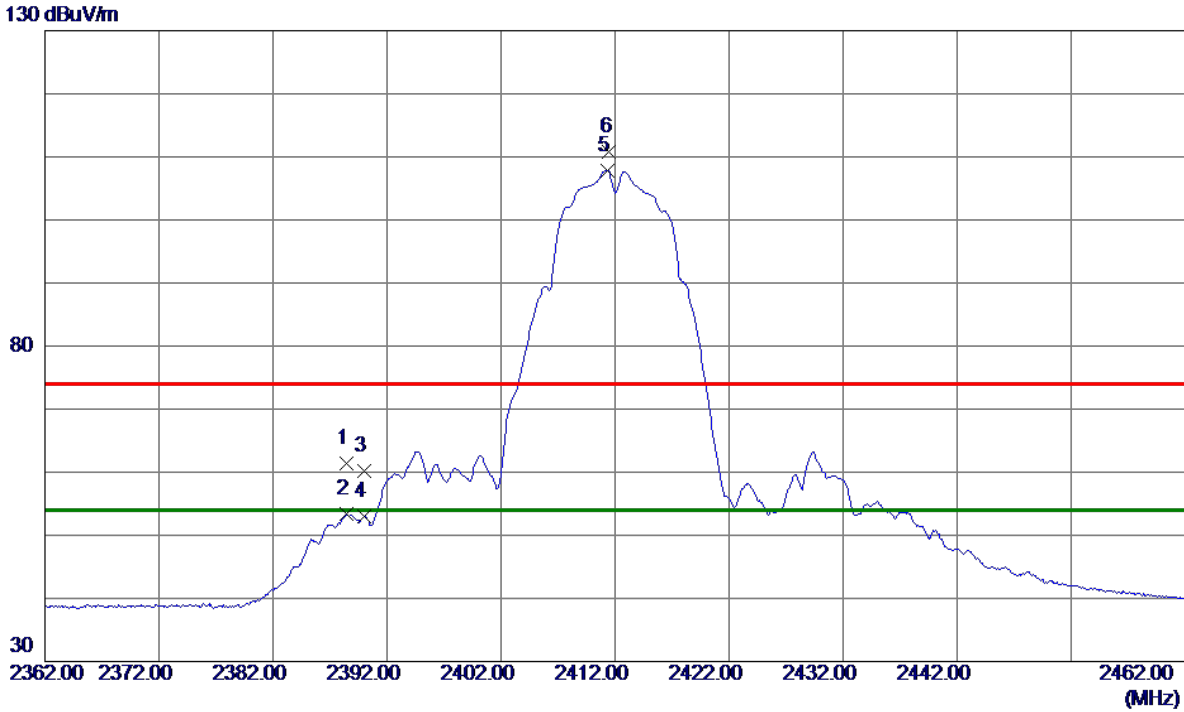
REMARKS:

- (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



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2388.4000	53.12	8.29	61.41	74.00	-12.59	Peak	
2	2388.4000	45.02	8.29	53.31	54.00	-0.69	AVG	
3	2390.0000	51.84	8.29	60.13	74.00	-13.87	Peak	
4	2390.0000	44.77	8.29	53.06	54.00	-0.94	AVG	
5 *	2411.3000	99.58	8.31	107.89	54.00	53.89	AVG	No Limit
6	2411.5000	102.48	8.31	110.79	74.00	36.79	Peak	No Limit

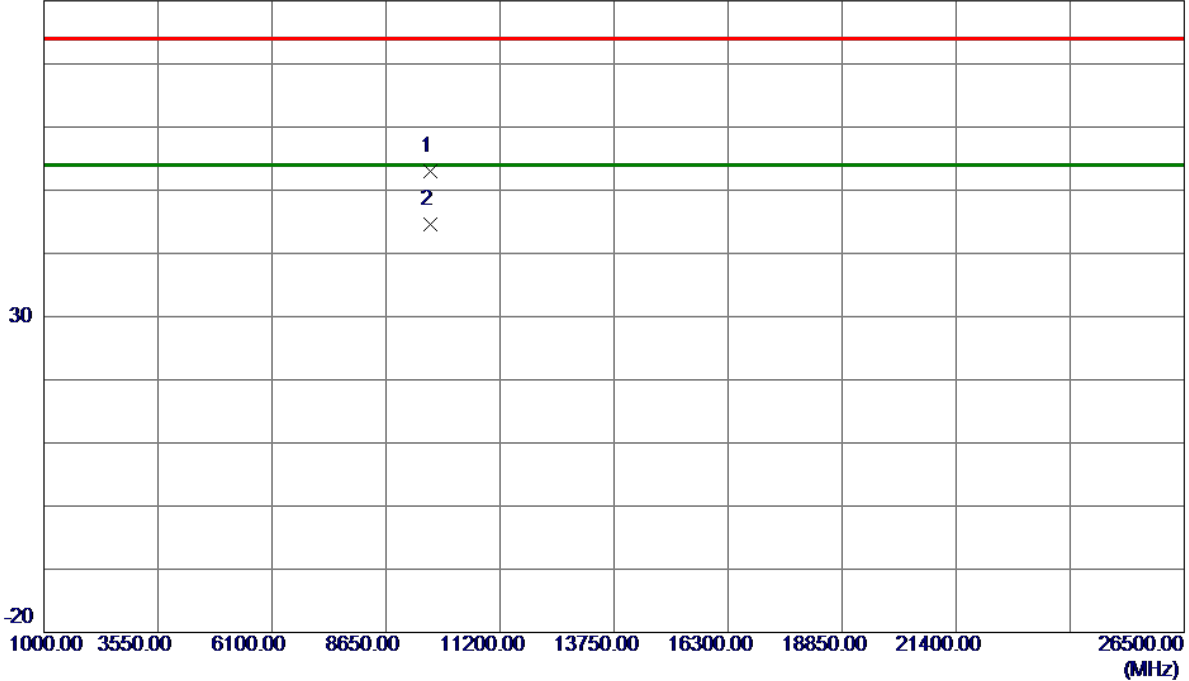
REMARKS:

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

Test Mode: TX B Mode 2412 MHz

Vertical

80 dBuV/m



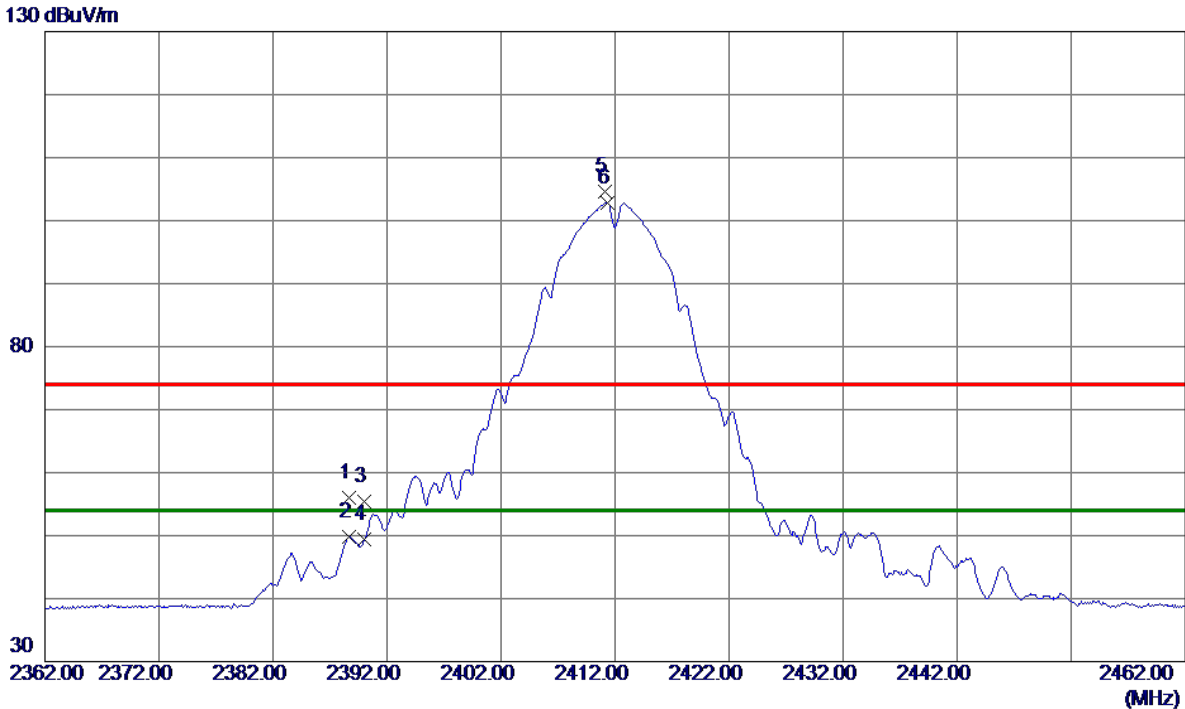
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9647.9400	40.03	12.88	52.91	74.00	-21.09	Peak	
2 *	9647.9400	31.67	12.88	44.55	54.00	-9.45	AVG	

REMARKS:

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

Test Mode: TX B Mode 2412 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2388.7000	47.71	8.29	56.00	74.00	-18.00	Peak	
2	2388.7000	41.48	8.29	49.77	54.00	-4.23	AVG	
3	2390.0000	47.02	8.29	55.31	74.00	-18.69	Peak	
4	2390.0000	41.05	8.29	49.34	54.00	-4.66	AVG	
5	2411.1000	96.30	8.31	104.61	74.00	30.61	Peak	No Limit
6 *	2411.3000	94.54	8.31	102.85	54.00	48.85	AVG	No Limit

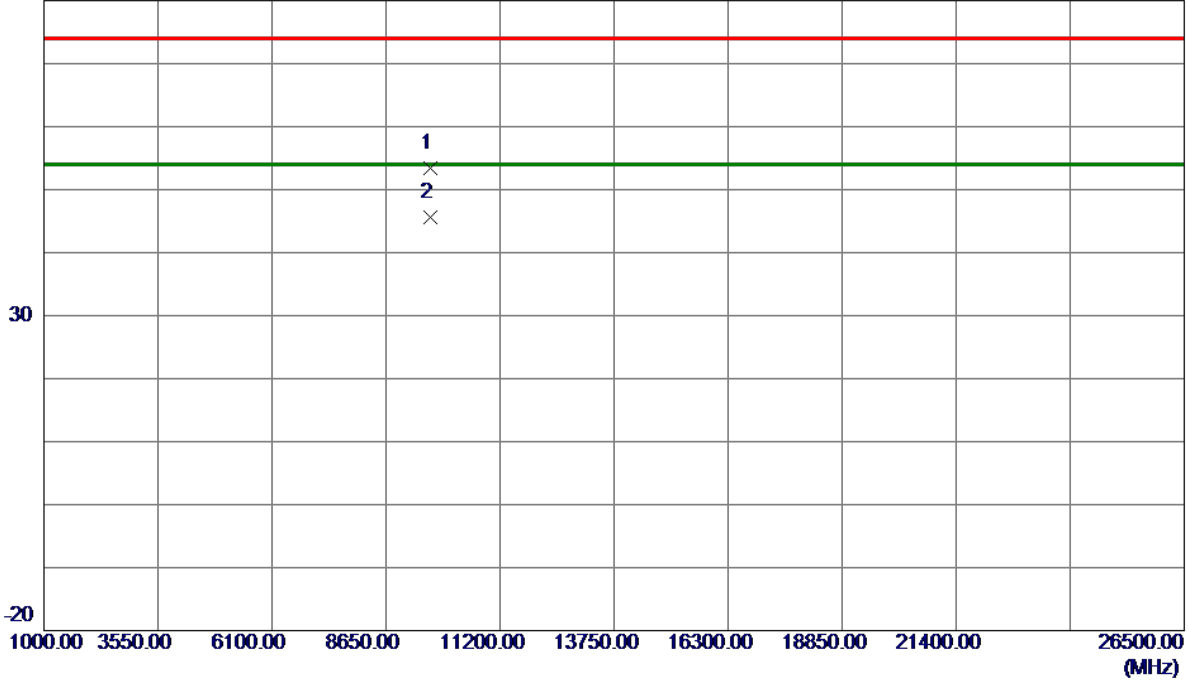
REMARKS:

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

Test Mode: TX B Mode 2412 MHz

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	9647.7550	40.58	12.88	53.46	74.00	-20.54	Peak	
2 *	9647.9150	32.73	12.88	45.61	54.00	-8.39	AVG	

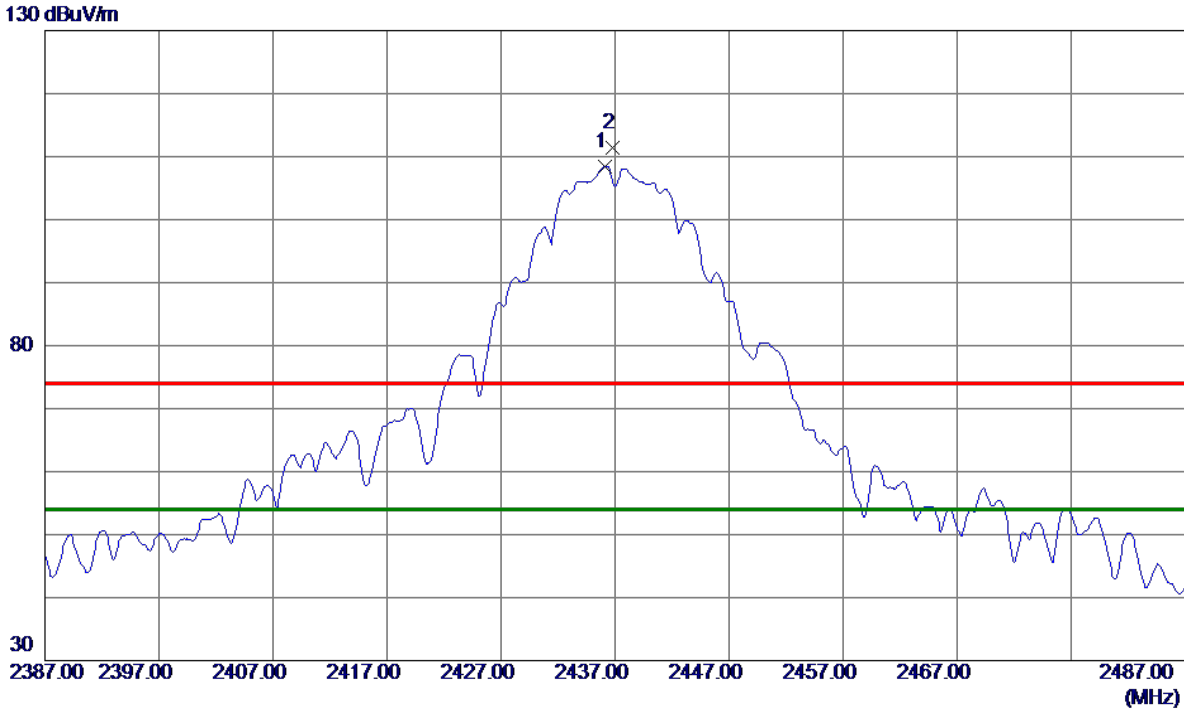
REMARKS:

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

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

Test Mode: TX B Mode 2437 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2436.1000	100.15	8.34	108.49	54.00	54.49	AVG	No Limit
2	2436.8000	103.14	8.34	111.48	74.00	37.48	Peak	No Limit

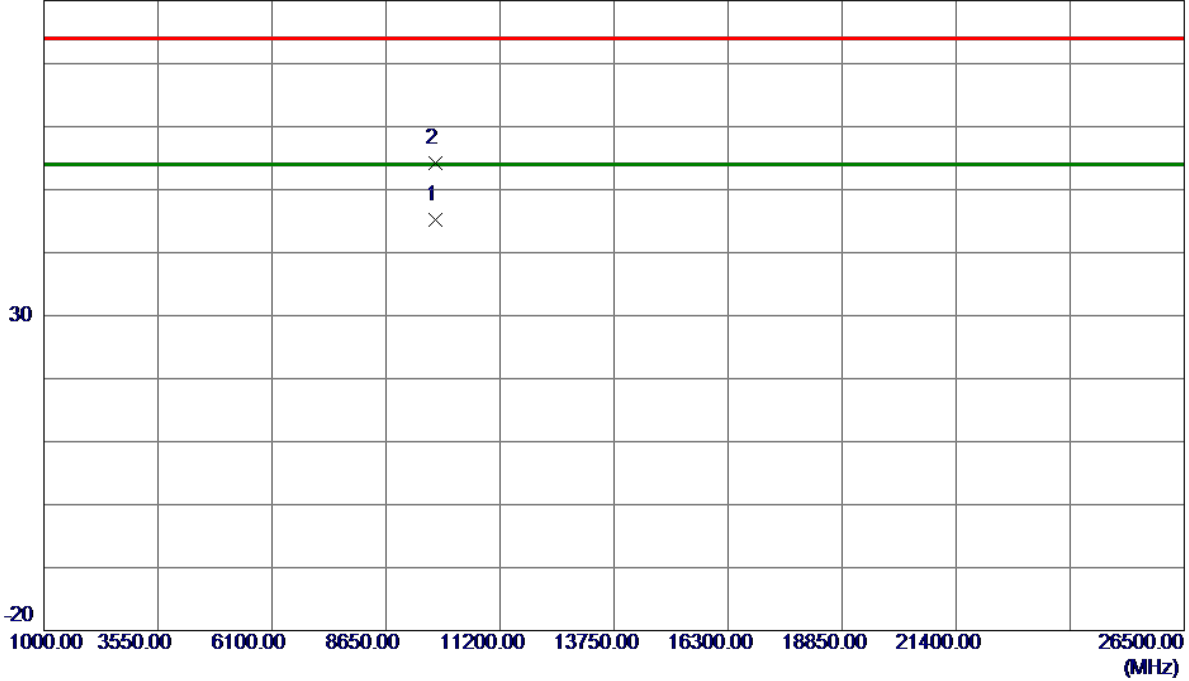
REMARKS:

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

Test Mode: TX B Mode 2437 MHz

Vertical

80 dBuV/m



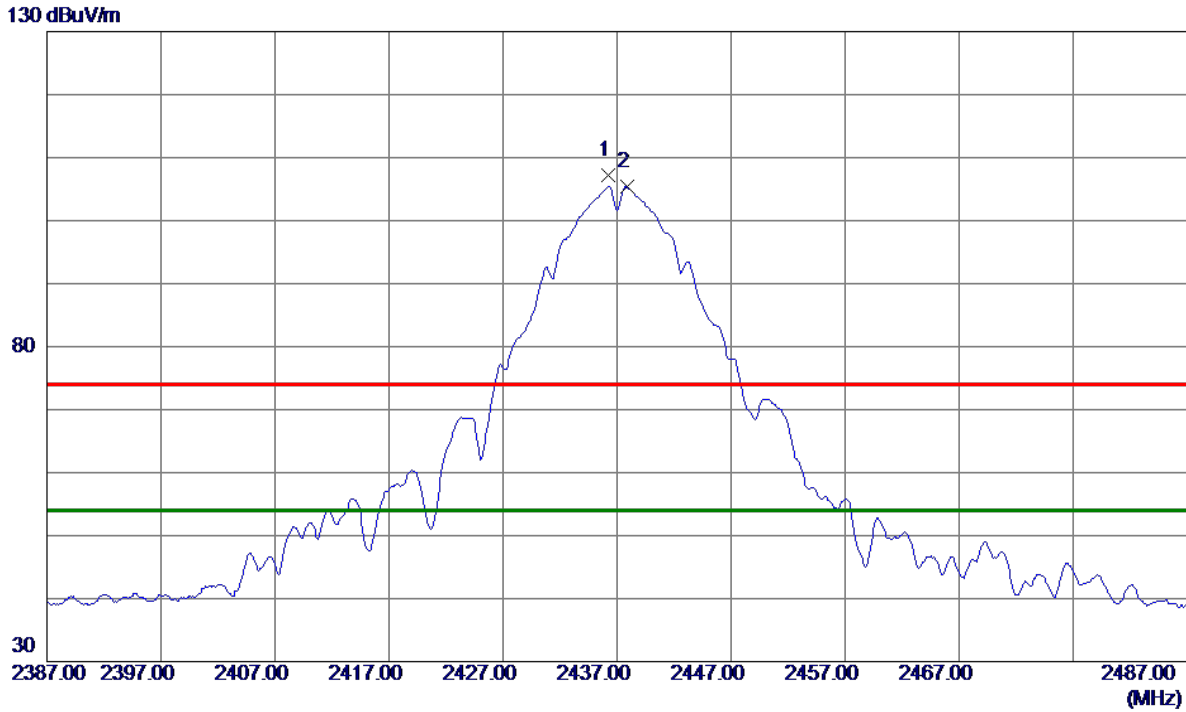
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	9747.9500	32.24	12.97	45.21	54.00	-8.79	AVG	
2	9750.3650	41.25	12.97	54.22	74.00	-19.78	Peak	

REMARKS:

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

Test Mode: TX B 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	2436.2000	98.87	8.34	107.21	74.00	33.21	Peak	No Limit
2 *	2437.9000	97.12	8.34	105.46	54.00	51.46	AVG	No Limit

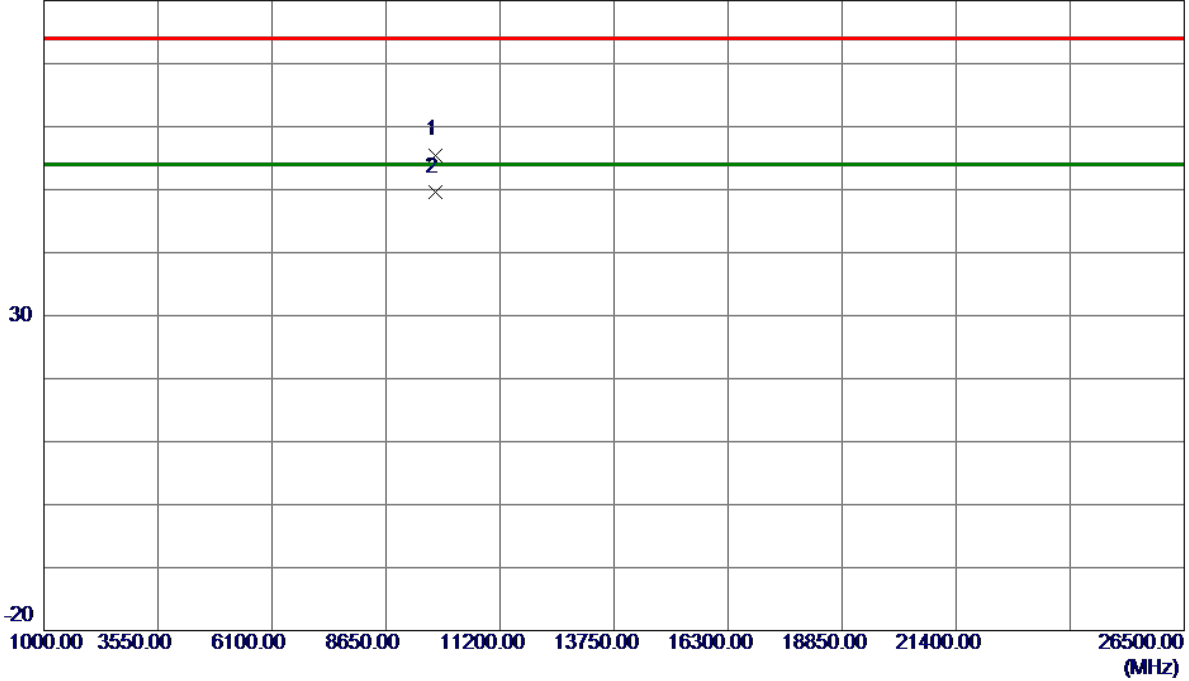
REMARKS:

- (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



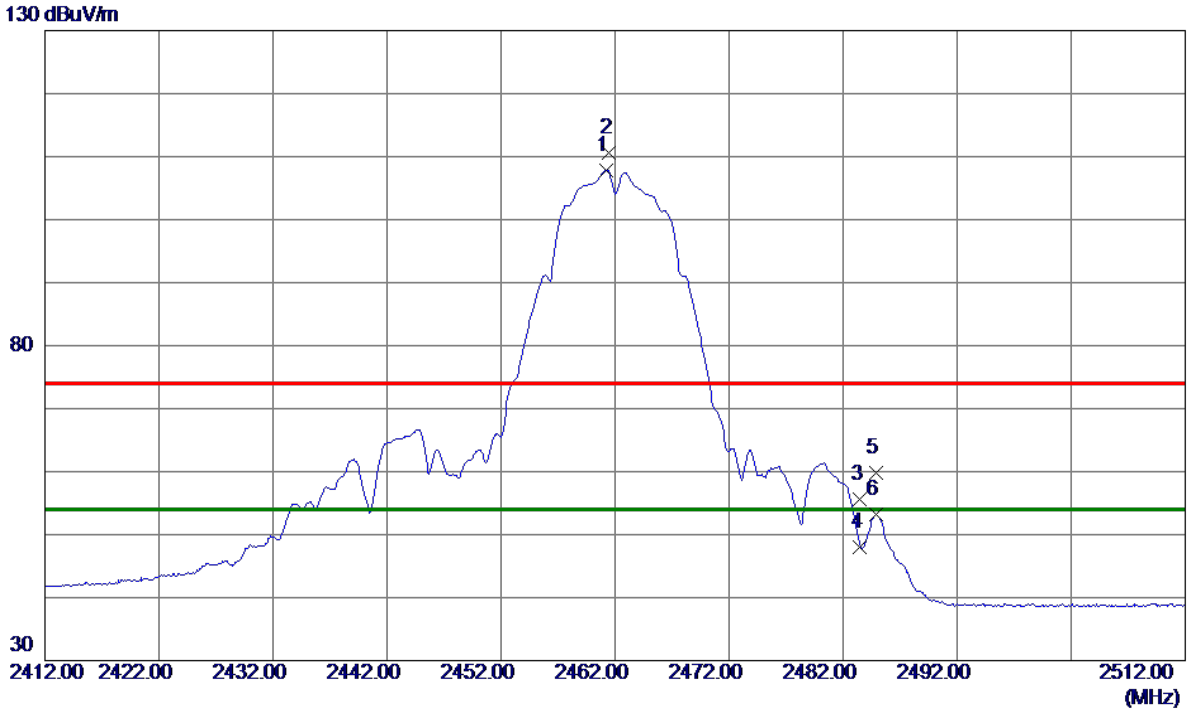
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9747.5700	42.53	12.97	55.50	74.00	-18.50	Peak	
2 *	9747.9600	36.56	12.97	49.53	54.00	-4.47	AVG	

REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2461.2000	99.45	8.36	107.81	54.00	53.81	AVG	No Limit
2	2461.5000	102.26	8.36	110.62	74.00	36.62	Peak	No Limit
3	2483.5000	47.26	8.39	55.65	74.00	-18.35	Peak	
4	2483.5000	39.63	8.39	48.02	54.00	-5.98	AVG	
5	2484.9000	51.35	8.39	59.74	74.00	-14.26	Peak	
6	2484.9000	44.77	8.39	53.16	54.00	-0.84	AVG	

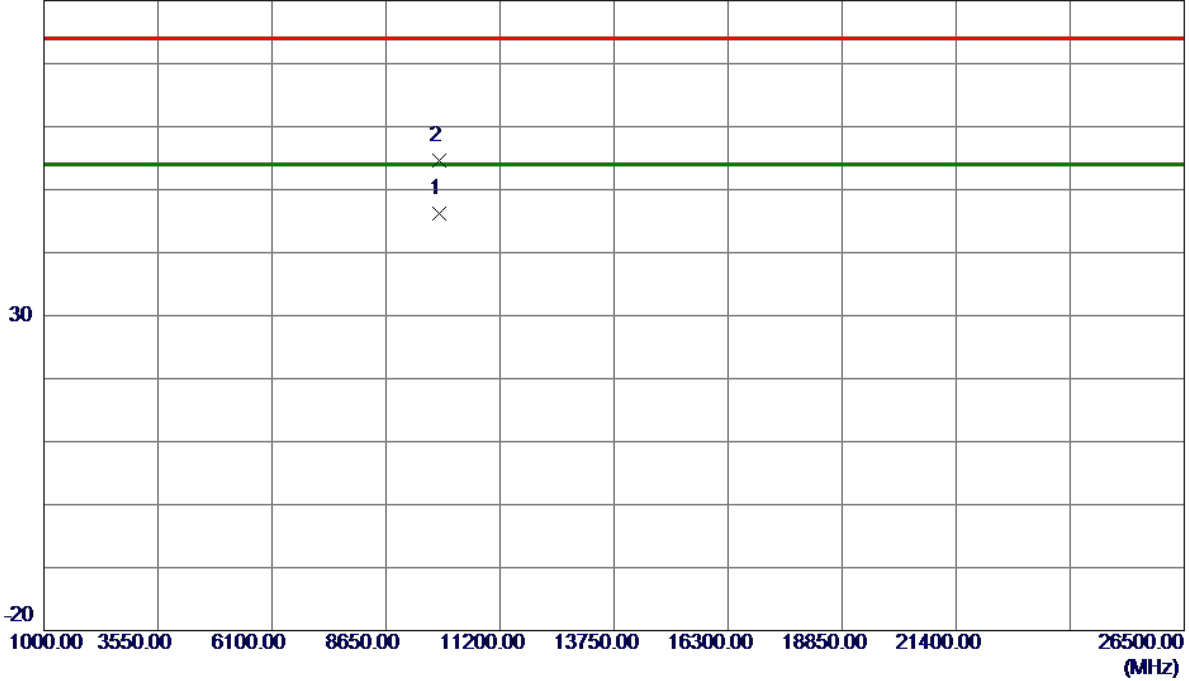
REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Vertical

80 dBuV/m



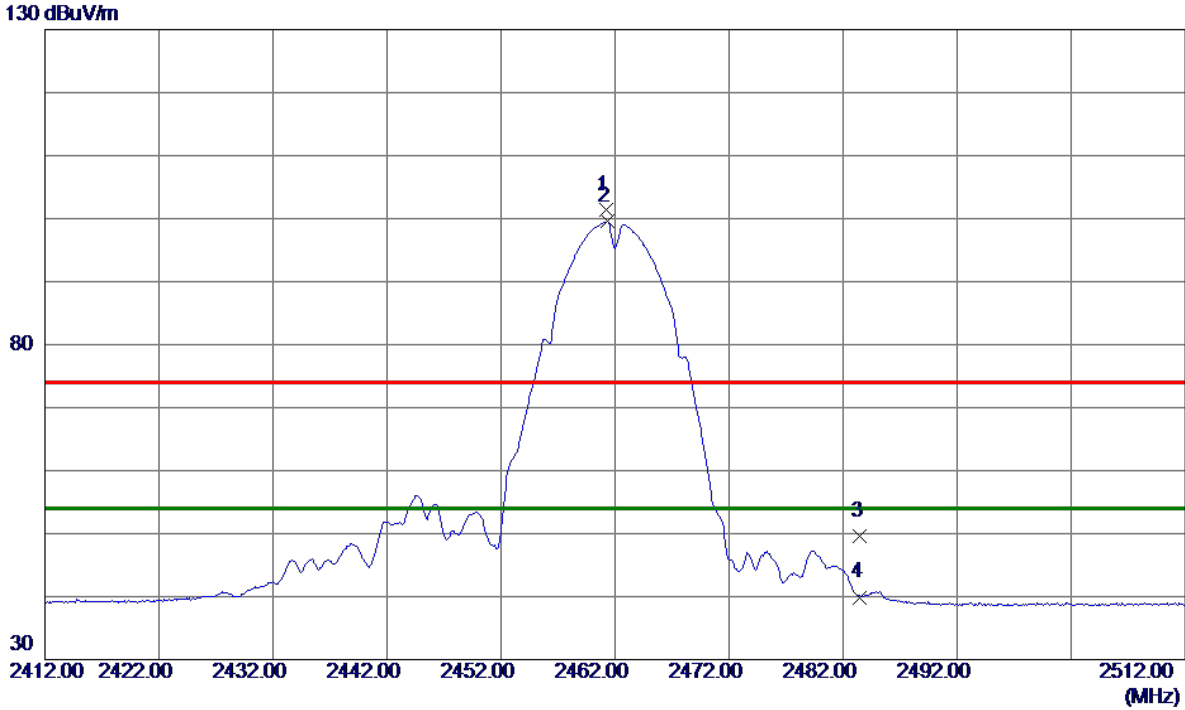
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	9847.8650	33.21	13.05	46.26	54.00	-7.74	AVG	
2	9847.9250	41.48	13.05	54.53	74.00	-19.47	Peak	

REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.2000	92.97	8.36	101.33	74.00	27.33	Peak	No Limit
2 *	2461.3000	91.15	8.36	99.51	54.00	45.51	AVG	No Limit
3	2483.5000	41.16	8.39	49.55	74.00	-24.45	Peak	
4	2483.5000	31.51	8.39	39.90	54.00	-14.10	AVG	

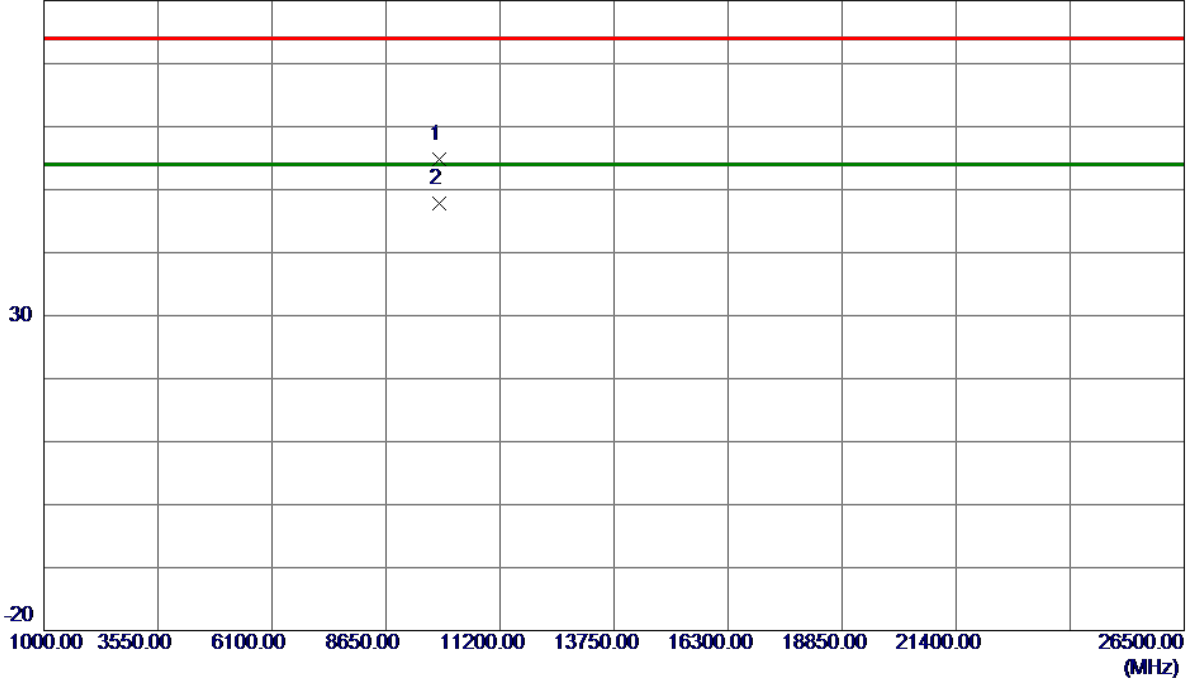
REMARKS:

- (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	9847.7850	41.74	13.05	54.79	74.00	-19.21	Peak	
2 *	9847.8600	34.82	13.05	47.87	54.00	-6.13	AVG	

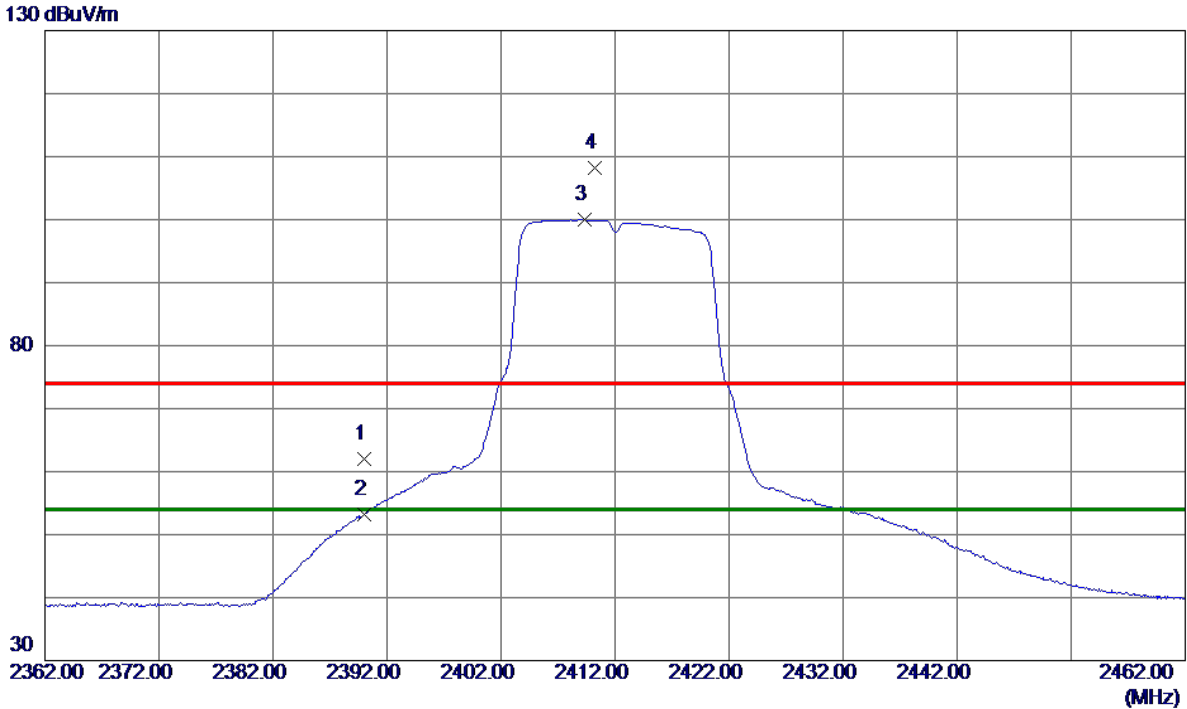
REMARKS:

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

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

Test Mode: TX G Mode 2412 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	53.75	8.29	62.04	74.00	-11.96	Peak	
2	2390.0000	44.82	8.29	53.11	54.00	-0.89	AVG	
3 *	2409.3000	91.62	8.31	99.93	54.00	45.93	AVG	No Limit
4	2410.2000	99.87	8.31	108.18	74.00	34.18	Peak	No Limit

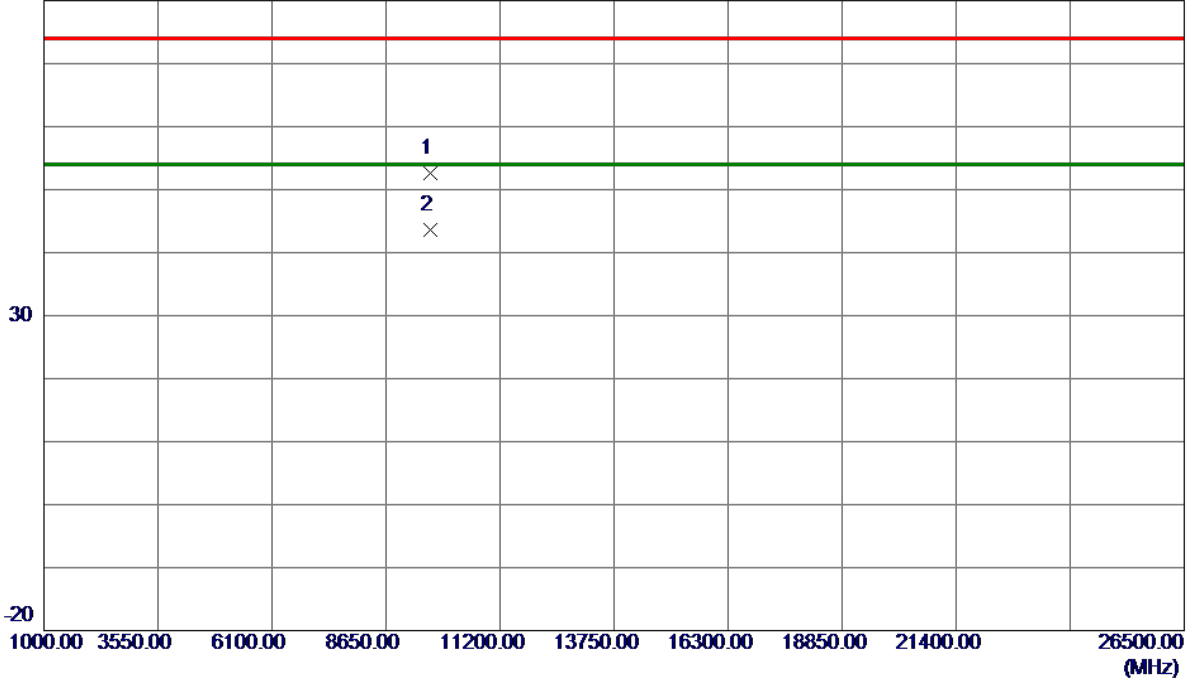
REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Vertical

80 dBuV/m



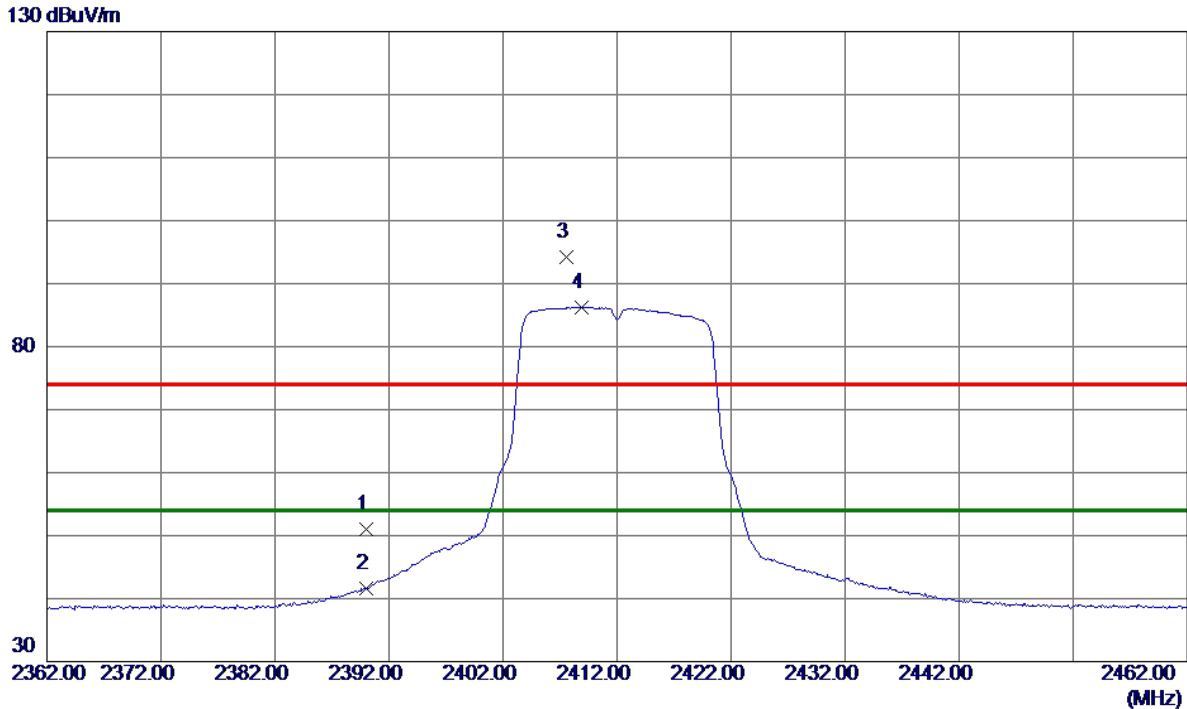
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9647.9300	39.76	12.88	52.64	74.00	-21.36	Peak	
2 *	9647.9800	30.72	12.88	43.60	54.00	-10.40	AVG	

REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	42.73	8.29	51.02	74.00	-22.98	Peak	
2	2390.0000	33.24	8.29	41.53	54.00	-12.47	AVG	
3	2407.6000	85.85	8.31	94.16	74.00	20.16	Peak	No Limit
4 *	2408.9000	77.92	8.31	86.23	54.00	32.23	AVG	No Limit

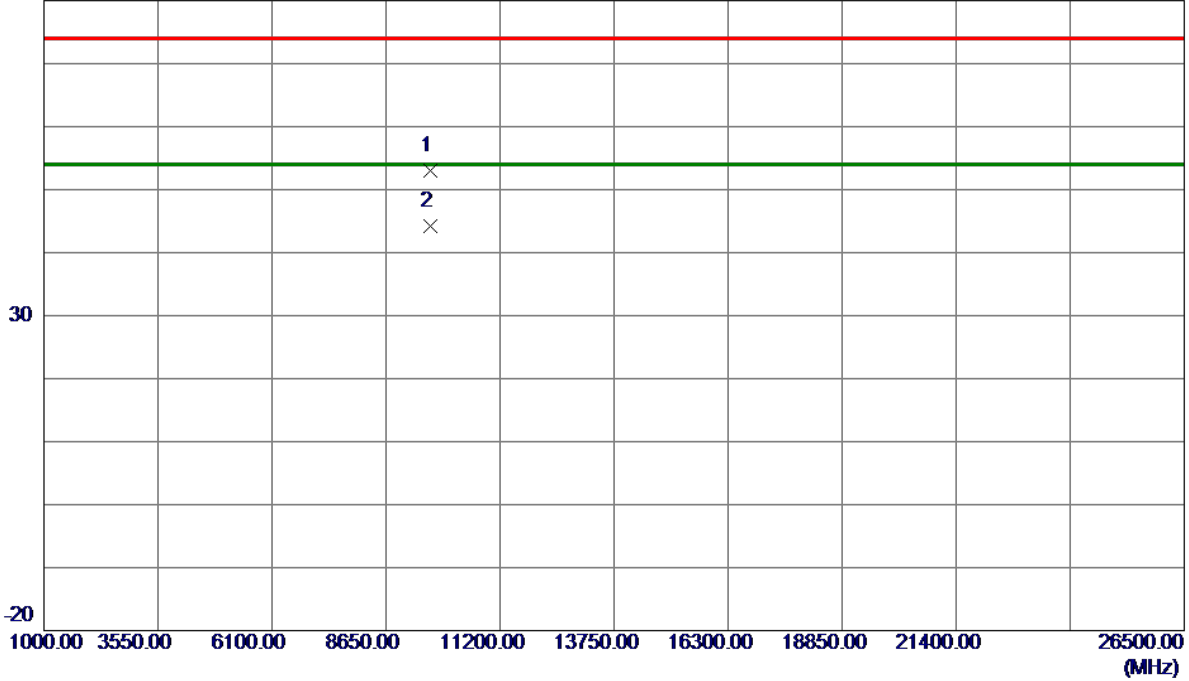
REMARKS:

- (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



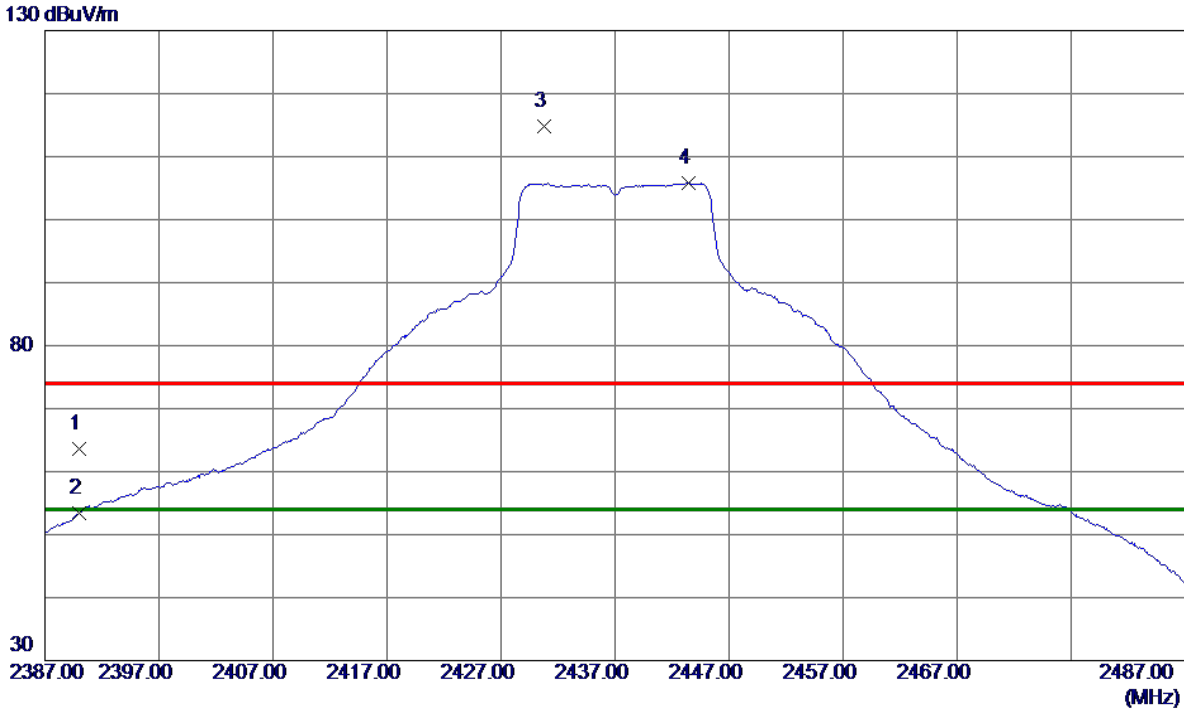
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9647.7000	40.19	12.88	53.07	74.00	-20.93	Peak	
2 *	9647.9850	31.25	12.88	44.13	54.00	-9.87	AVG	

REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	55.31	8.29	63.60	74.00	-10.40	Peak	
2	2390.0000	45.05	8.29	53.34	54.00	-0.66	AVG	
3	2430.8000	106.40	8.33	114.73	74.00	40.73	Peak	No Limit
4 *	2443.4000	97.44	8.34	105.78	54.00	51.78	AVG	No Limit

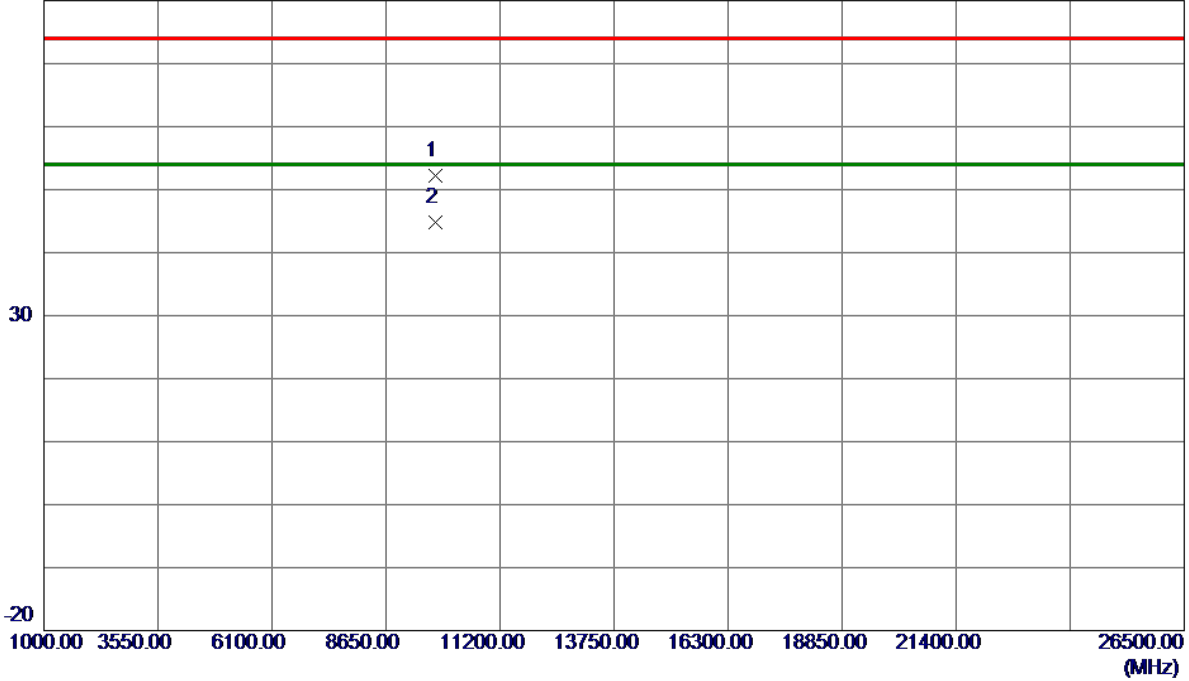
REMARKS:

- (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



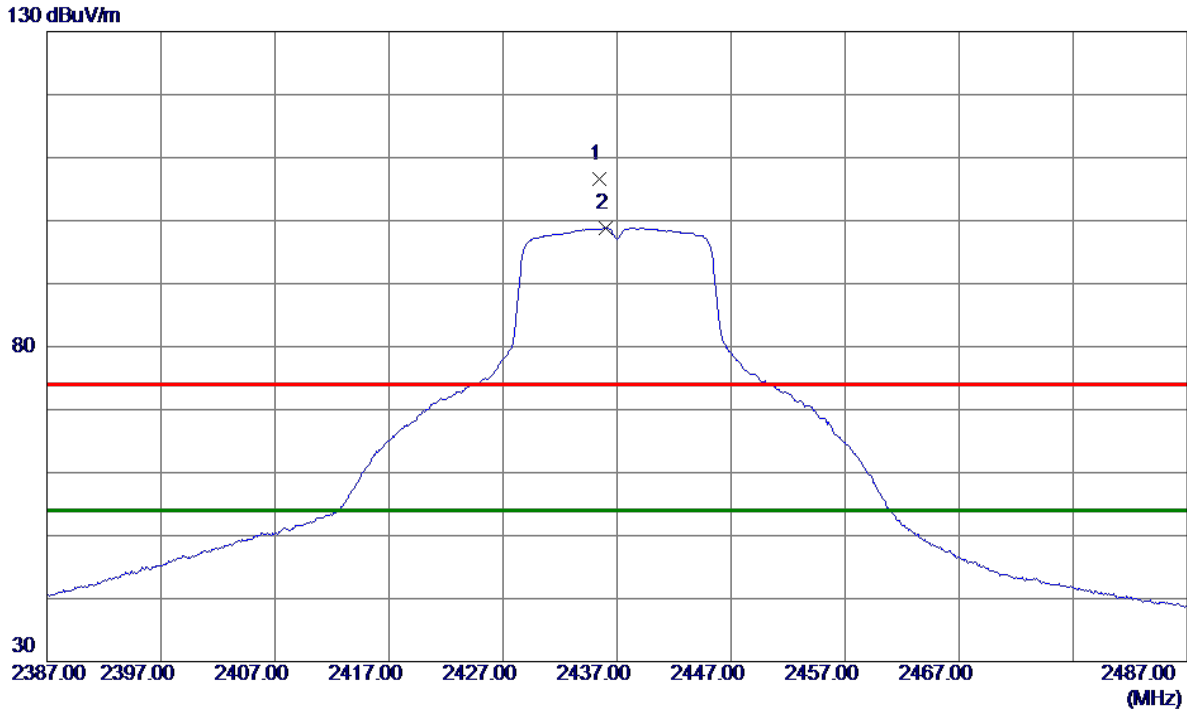
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9747.7100	39.14	12.97	52.11	74.00	-21.89	Peak	
2 *	9747.9500	31.84	12.97	44.81	54.00	-9.19	AVG	

REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2435.4000	98.20	8.34	106.54	74.00	32.54	Peak	No Limit
2 *	2436.0000	90.42	8.34	98.76	54.00	44.76	AVG	No Limit

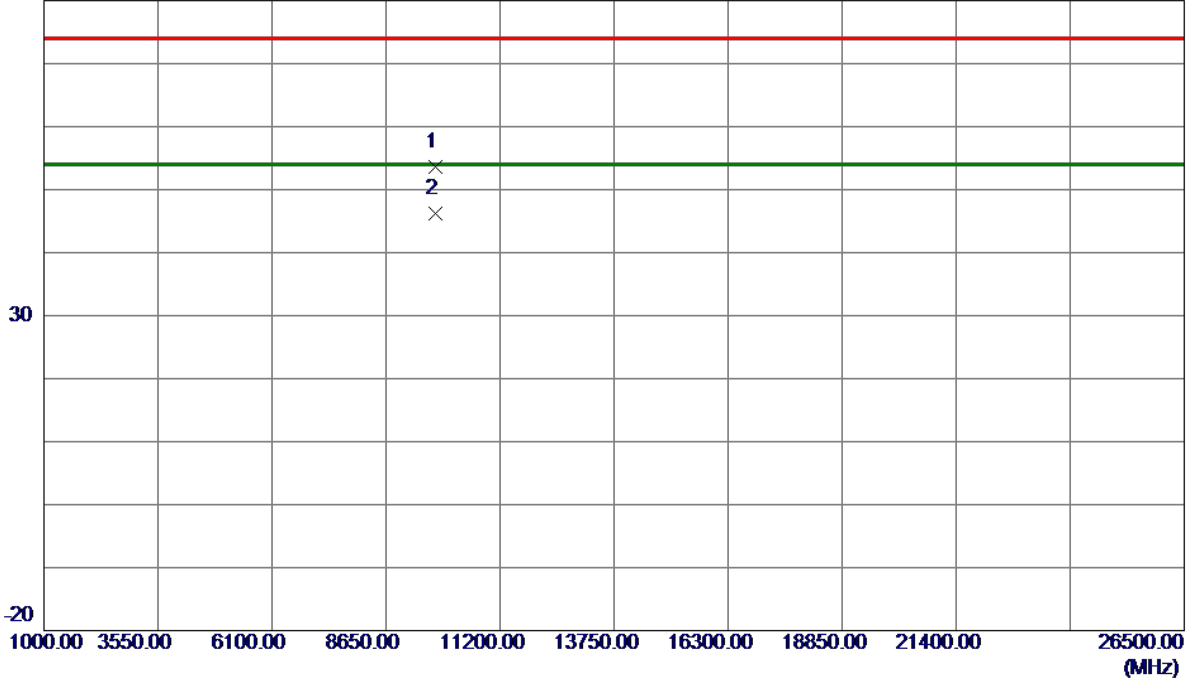
REMARKS:

- (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	9747.7950	40.61	12.97	53.58	74.00	-20.42	Peak	
2 *	9747.8550	33.22	12.97	46.19	54.00	-7.81	AVG	

REMARKS:

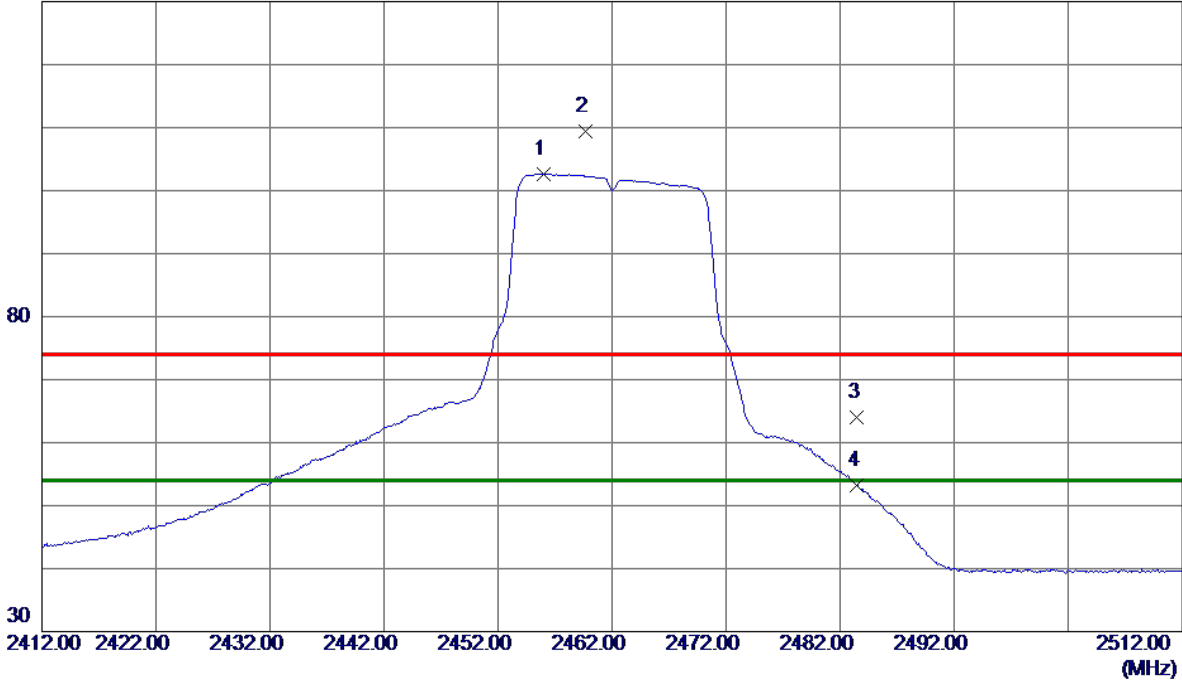
(1) Measurement Value = Reading Level + Correct Factor.

(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 *	2456.0000	94.27	8.36	102.63	54.00	48.63	AVG	No Limit
2	2459.7000	101.01	8.36	109.37	74.00	35.37	Peak	No Limit
3	2483.5000	55.55	8.39	63.94	74.00	-10.06	Peak	
4	2483.5000	44.81	8.39	53.20	54.00	-0.80	AVG	

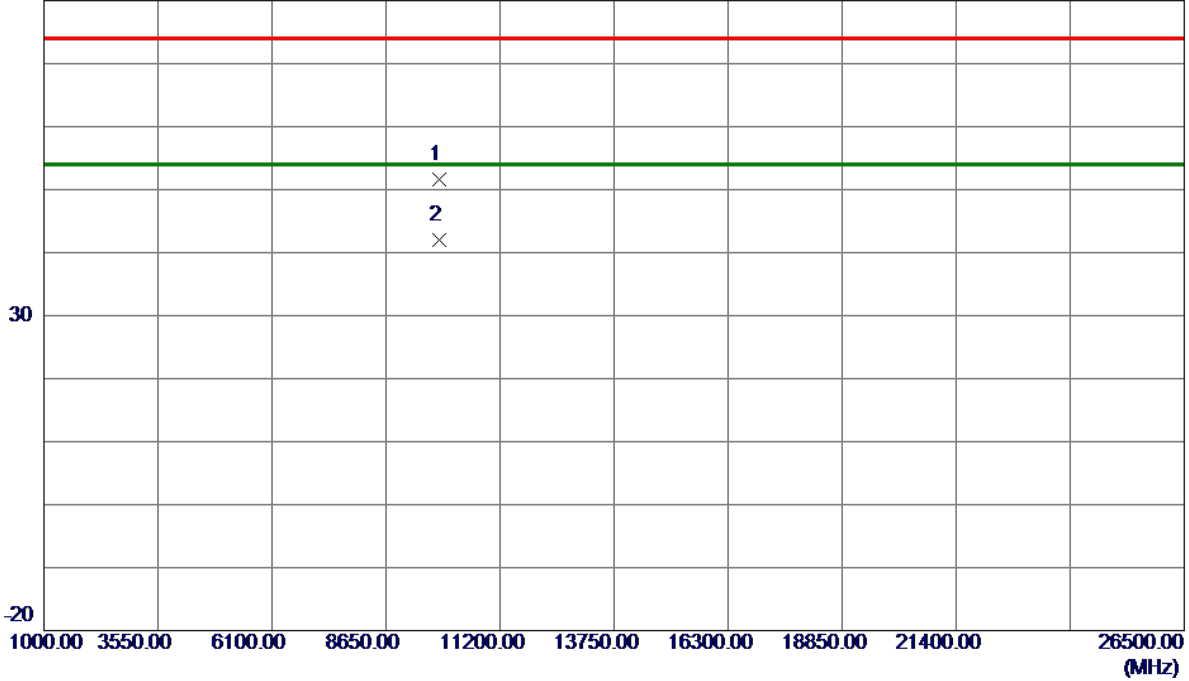
REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Vertical

80 dBuV/m



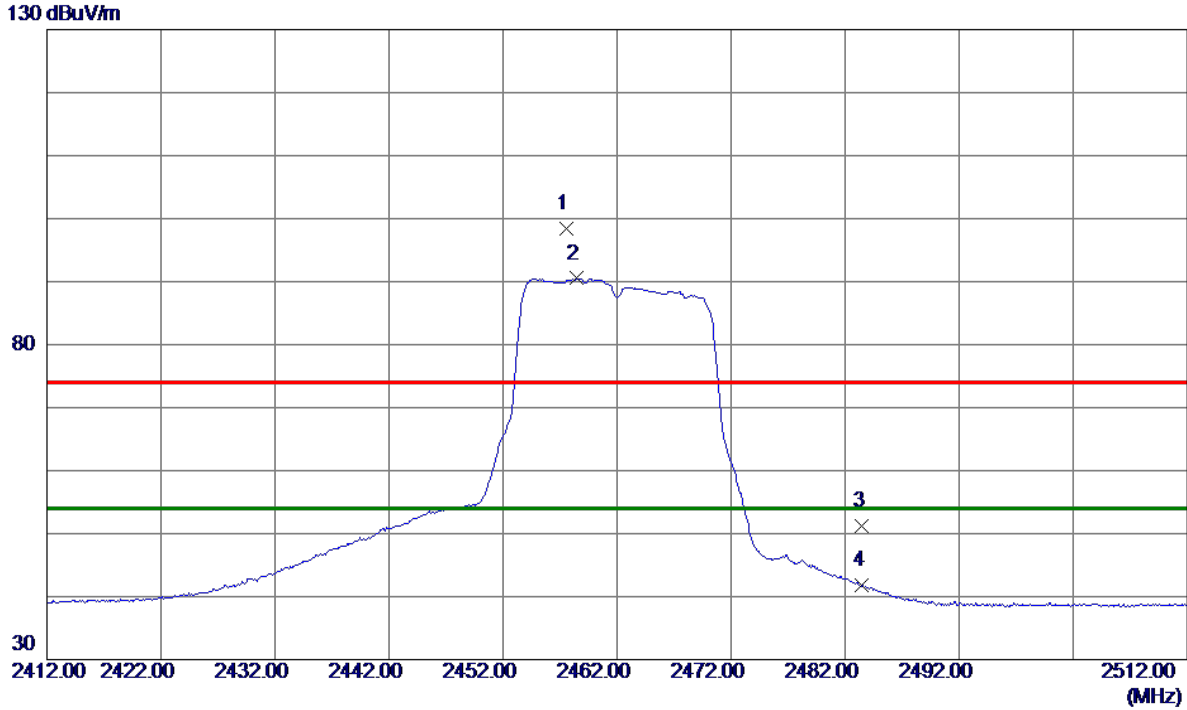
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9848.2200	38.62	13.05	51.67	74.00	-22.33	Peak	
2 *	9849.3550	28.95	13.05	42.00	54.00	-12.00	AVG	

REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2457.6000	90.12	8.36	98.48	74.00	24.48	Peak	No Limit
2 *	2458.4000	82.14	8.36	90.50	54.00	36.50	AVG	No Limit
3	2483.5000	42.90	8.39	51.29	74.00	-22.71	Peak	
4	2483.5000	33.41	8.39	41.80	54.00	-12.20	AVG	

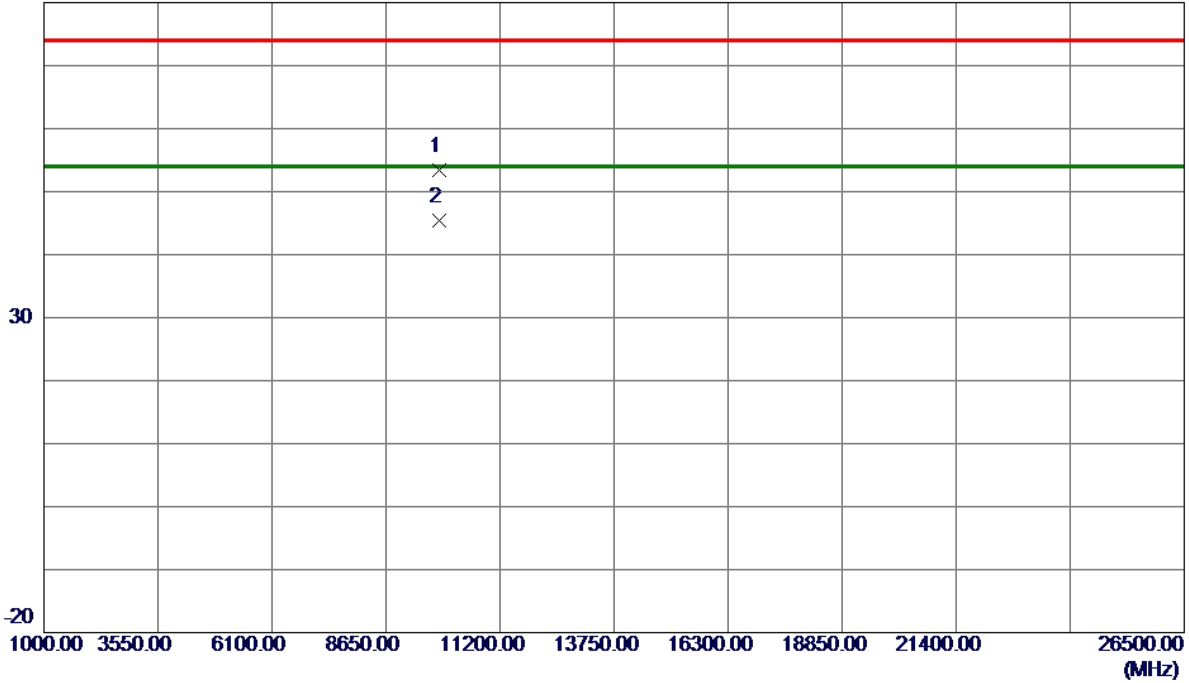
REMARKS:

- (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



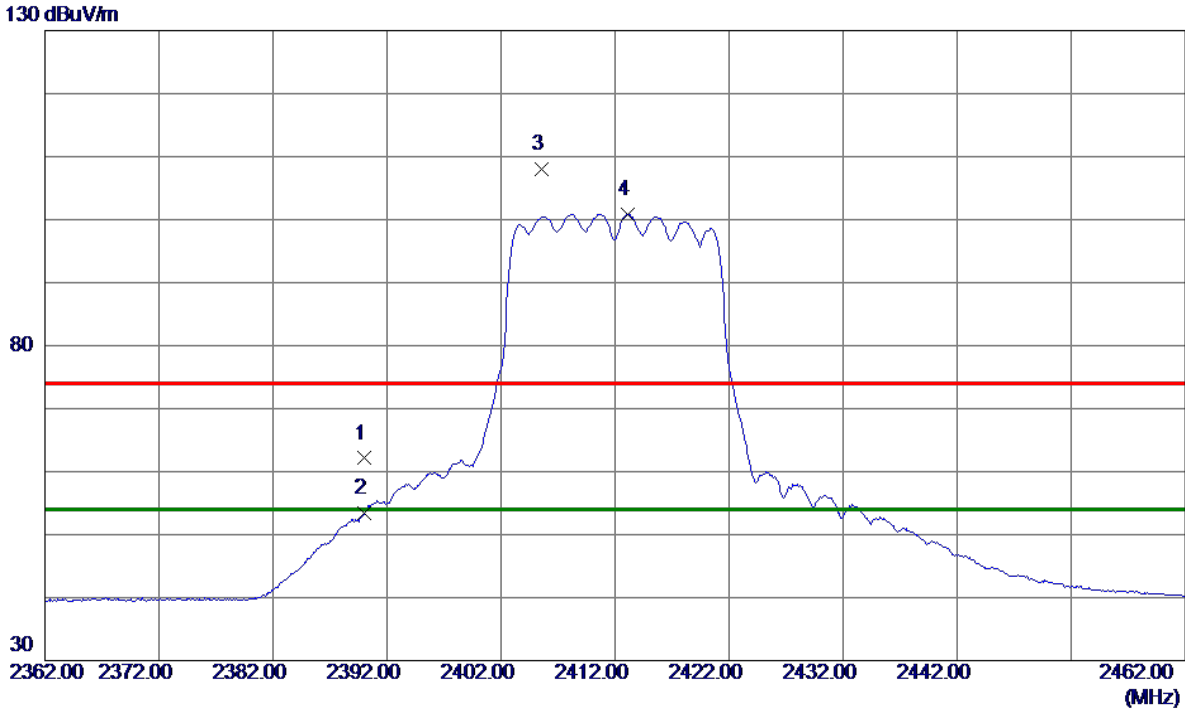
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9847.1000	40.25	13.05	53.30	74.00	-20.70	Peak	
2 *	9848.4100	32.25	13.05	45.30	54.00	-8.70	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	53.81	8.29	62.10	74.00	-11.90	Peak	
2	2390.0000	45.09	8.29	53.38	54.00	-0.62	AVG	
3	2405.6000	99.62	8.30	107.92	74.00	33.92	Peak	No Limit
4 *	2413.1000	92.58	8.31	100.89	54.00	46.89	AVG	No Limit

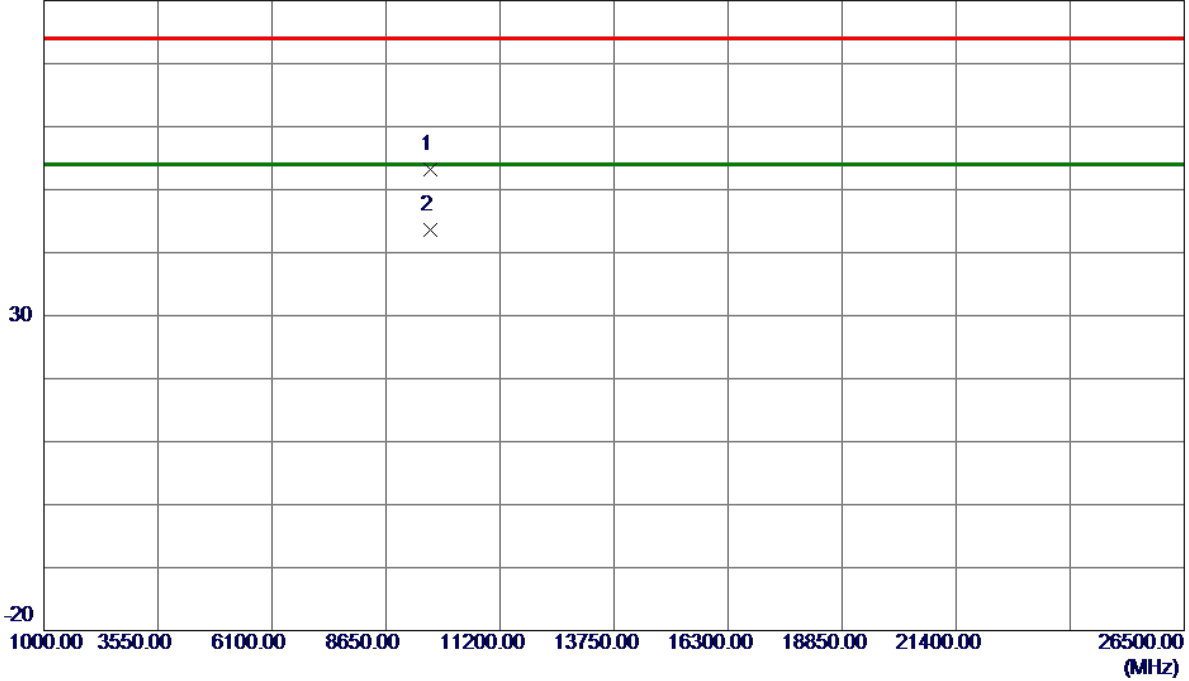
REMARKS:

- (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



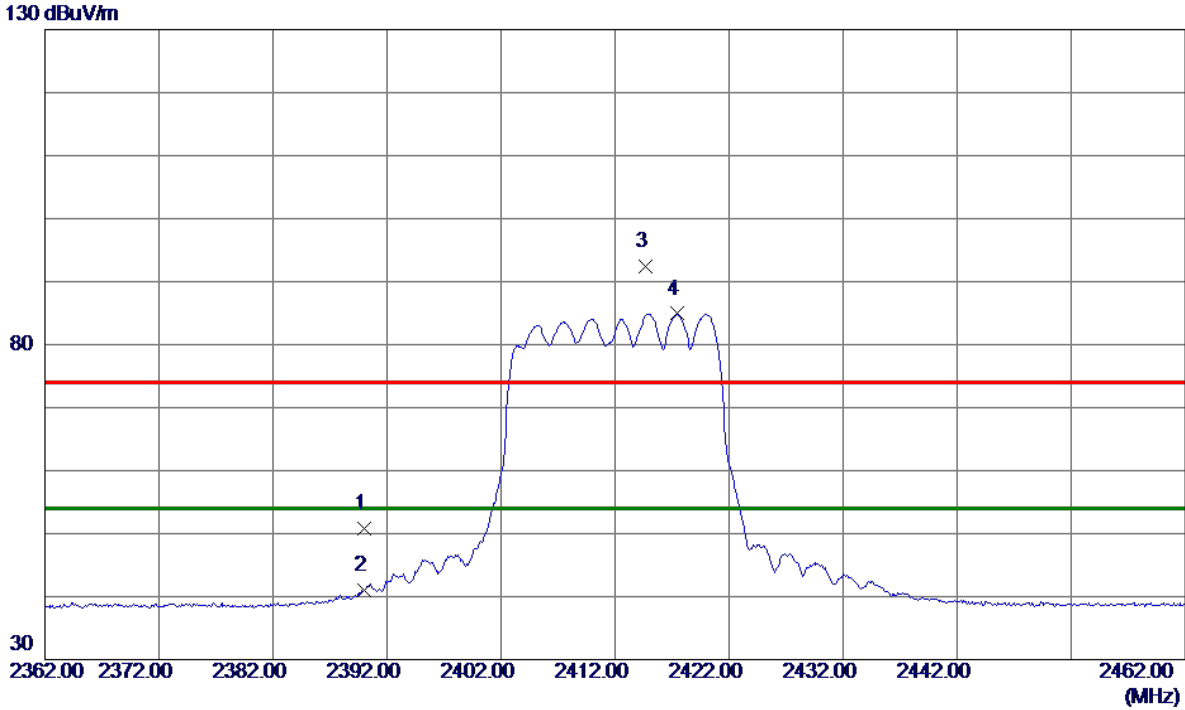
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9647.6150	40.34	12.88	53.22	74.00	-20.78	Peak	
2 *	9647.9300	30.76	12.88	43.64	54.00	-10.36	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	42.46	8.29	50.75	74.00	-23.25	Peak	
2	2390.0000	32.71	8.29	41.00	54.00	-13.00	AVG	
3	2414.7000	84.08	8.31	92.39	74.00	18.39	Peak	No Limit
4 *	2417.4000	76.58	8.32	84.90	54.00	30.90	AVG	No Limit

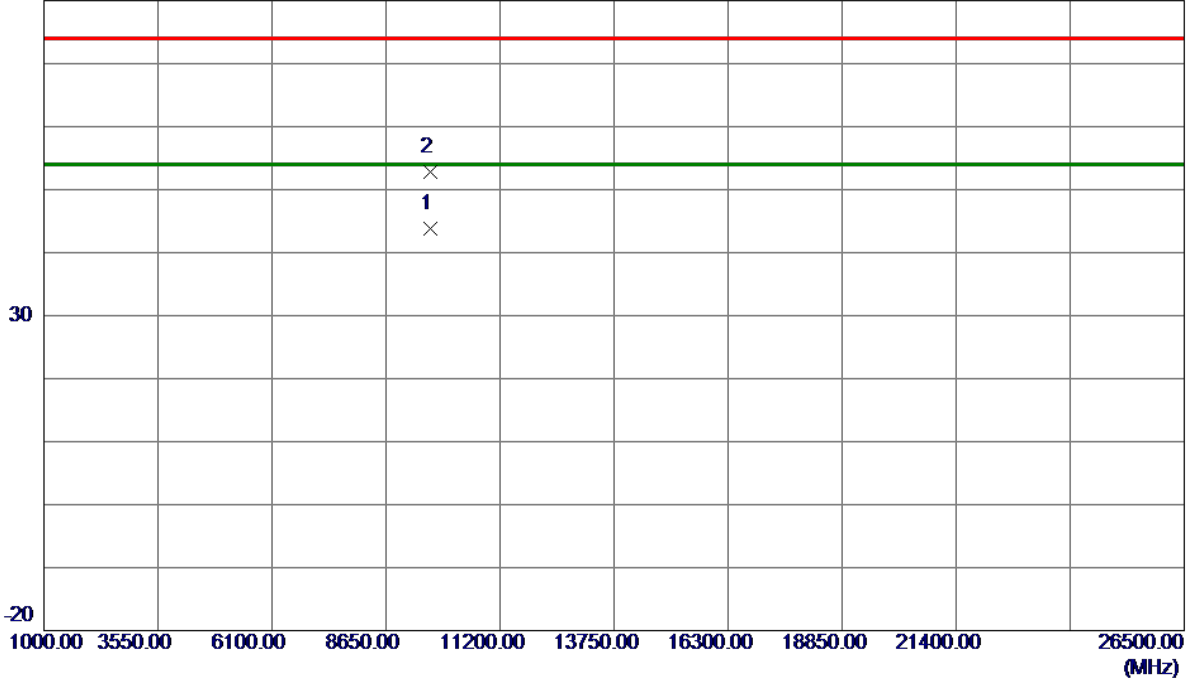
REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Horizontal

80 dBuV/m



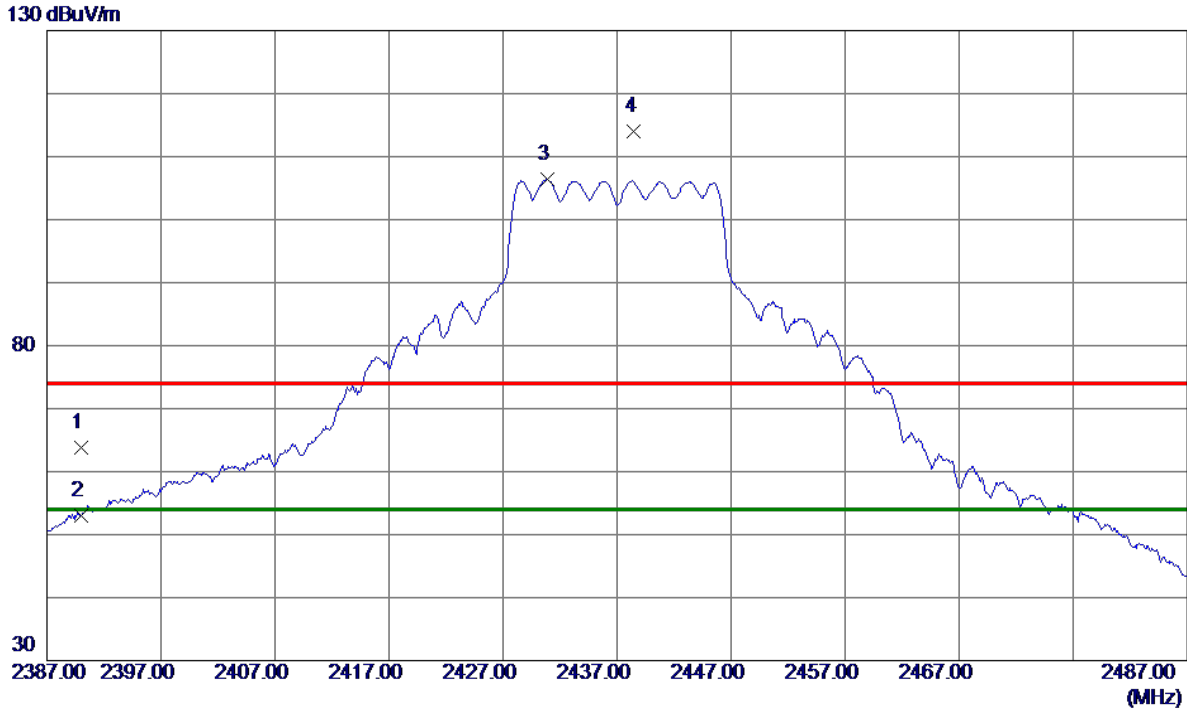
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	9647.9050	30.91	12.88	43.79	54.00	-10.21	AVG	
2	9648.2950	39.86	12.88	52.74	74.00	-21.26	Peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	55.58	8.29	63.87	74.00	-10.13	Peak	
2	2390.0000	44.78	8.29	53.07	54.00	-0.93	AVG	
3 *	2430.9000	98.00	8.33	106.33	54.00	52.33	AVG	No Limit
4	2438.5000	105.59	8.34	113.93	74.00	39.93	Peak	No Limit

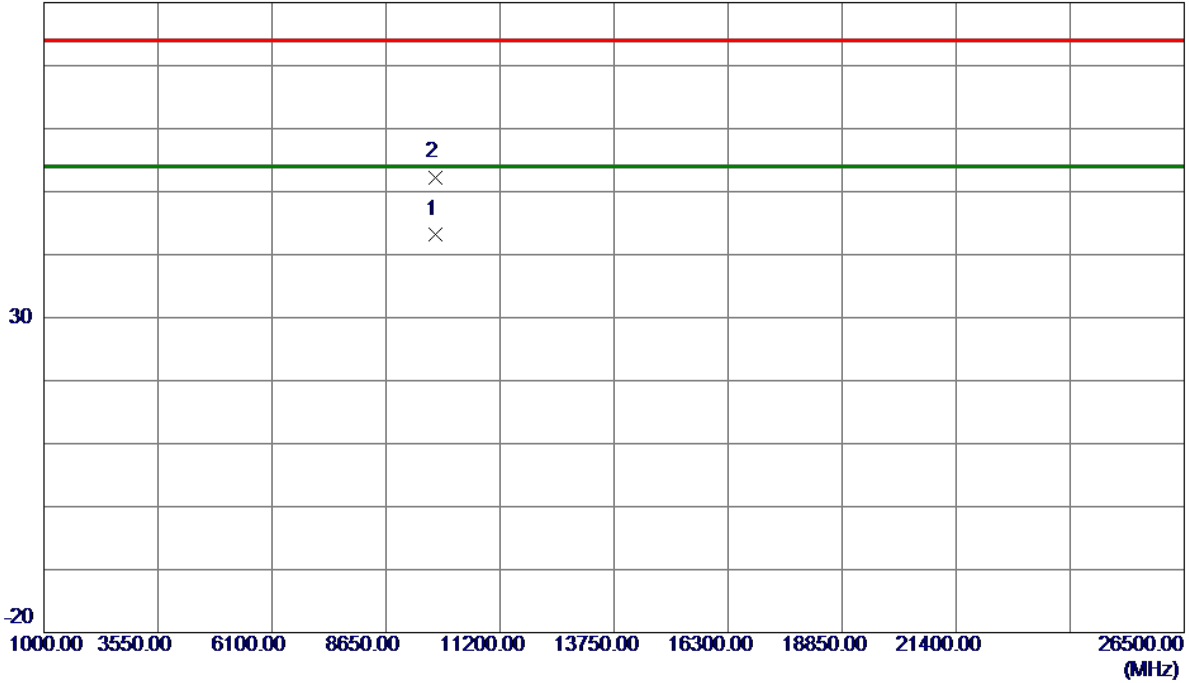
REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Vertical

80 dBuV/m



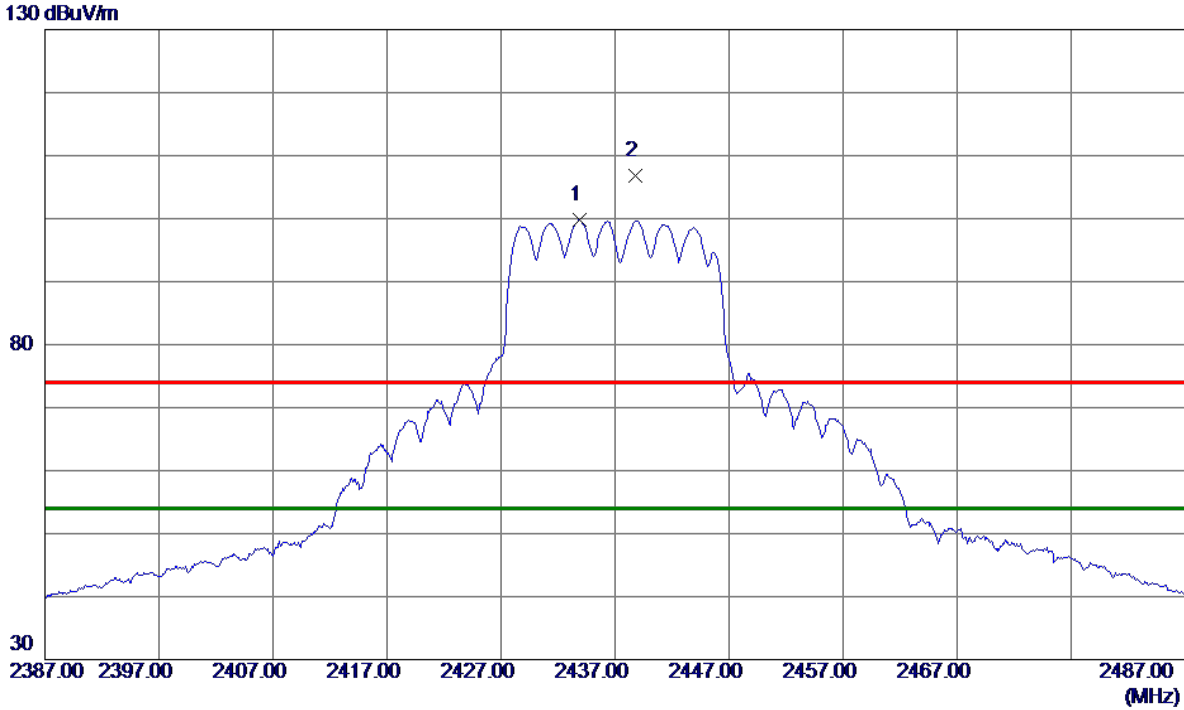
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	9746.4850	30.21	12.96	43.17	54.00	-10.83	AVG	
2	9748.0100	39.33	12.97	52.30	74.00	-21.70	Peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2433.9000	91.39	8.33	99.72	54.00	45.72	AVG	No Limit
2	2438.8000	98.41	8.34	106.75	74.00	32.75	Peak	No Limit

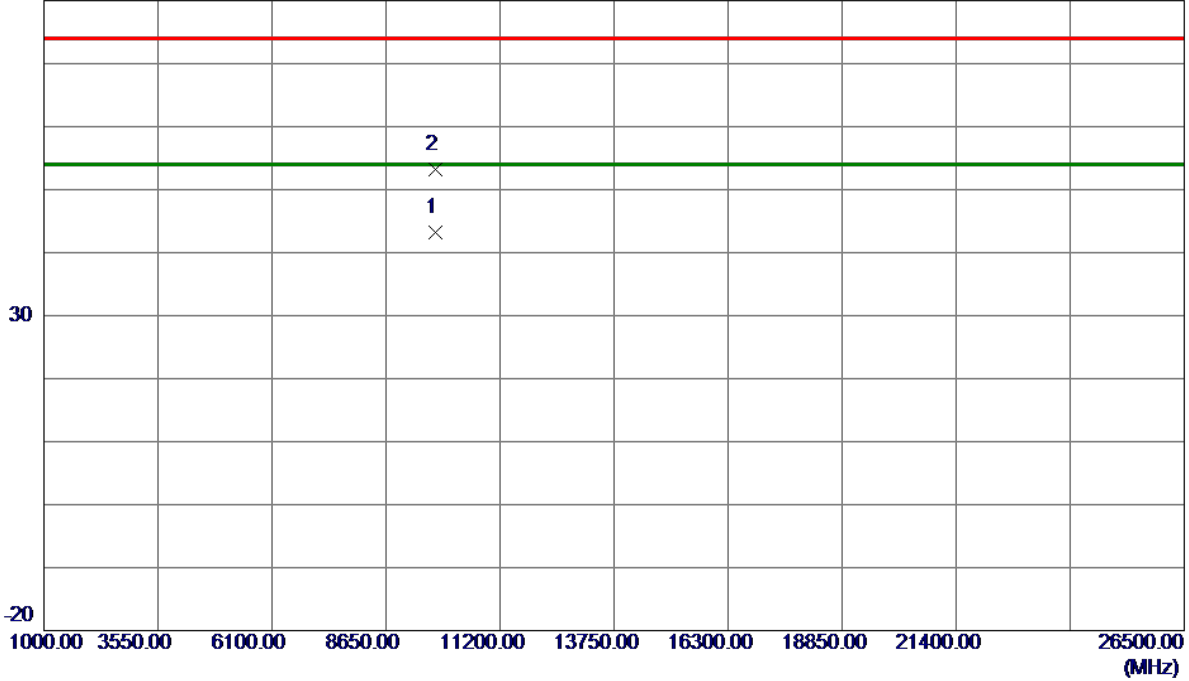
REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Horizontal

80 dBuV/m



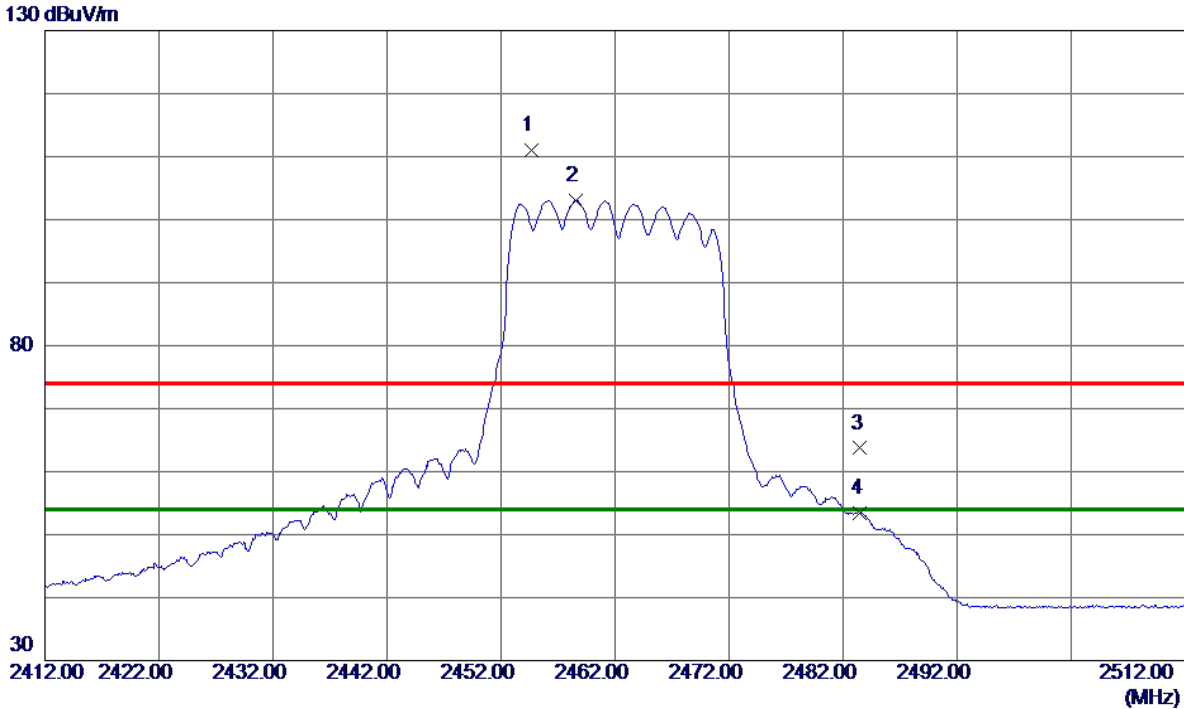
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	9745.8850	30.25	12.96	43.21	54.00	-10.79	AVG	
2	9749.0750	40.20	12.97	53.17	74.00	-20.83	Peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2454.7000	102.62	8.36	110.98	74.00	36.98	Peak	No Limit
2 *	2458.6000	94.70	8.36	103.06	54.00	49.06	AVG	No Limit
3	2483.5000	55.31	8.39	63.70	74.00	-10.30	Peak	
4	2483.5000	44.97	8.39	53.36	54.00	-0.64	AVG	

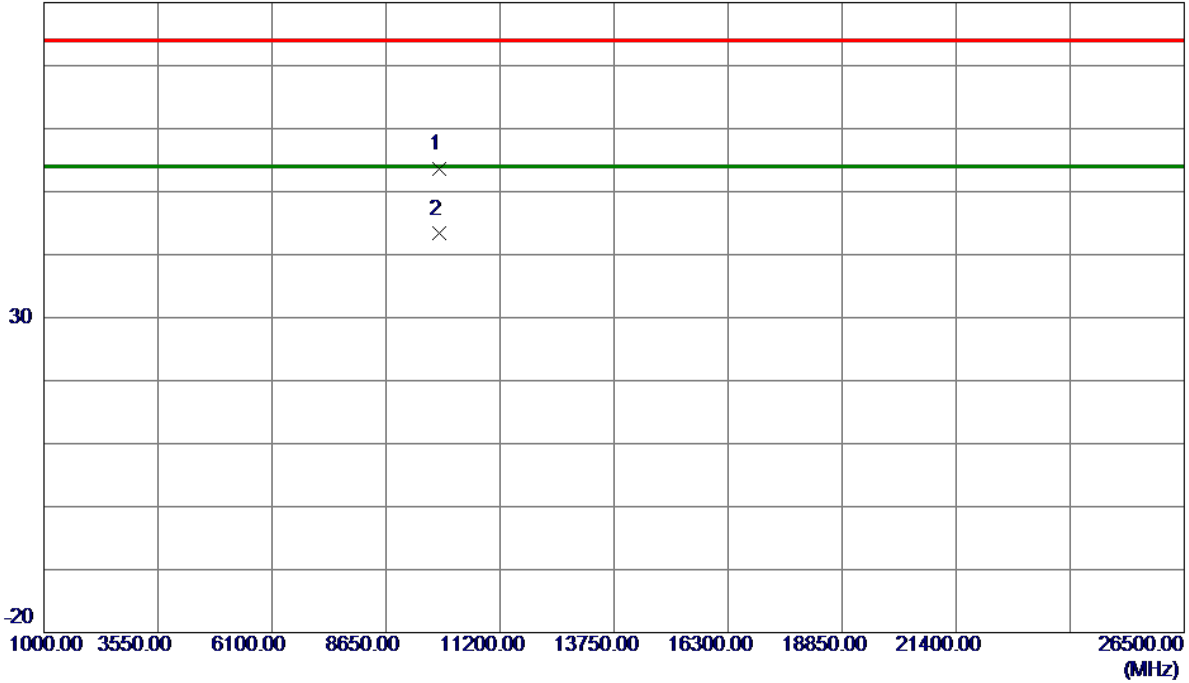
REMARKS:

- (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



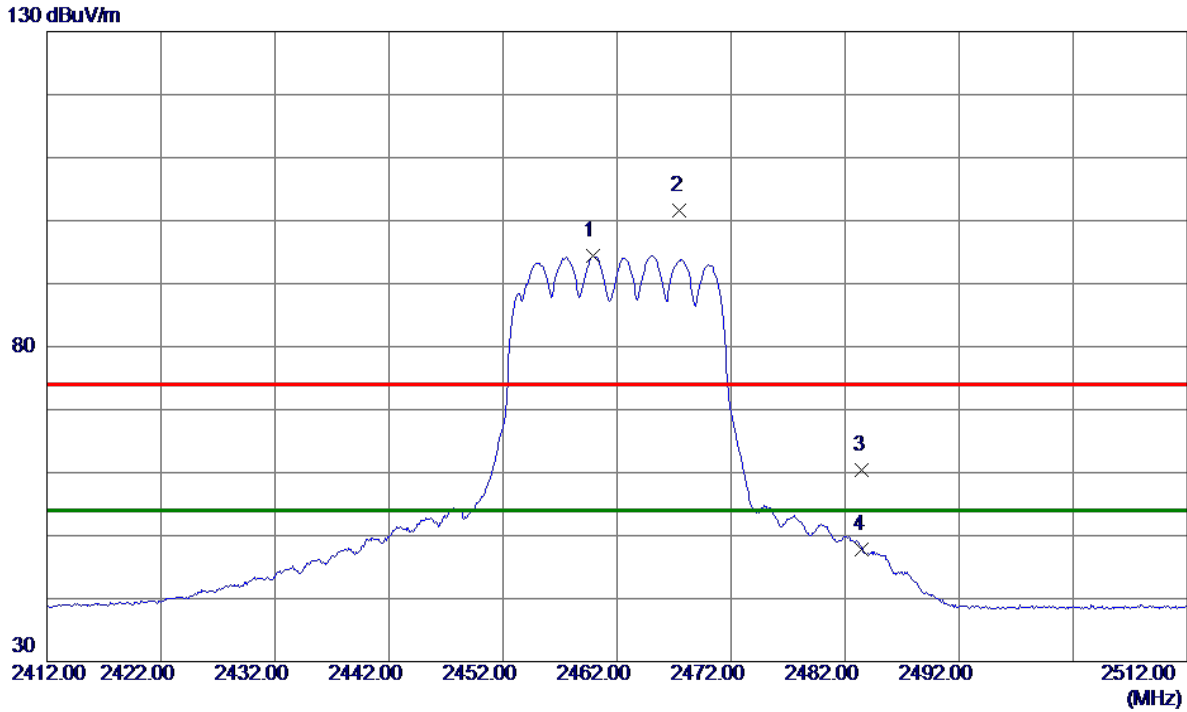
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9847.5400	40.58	13.05	53.63	74.00	-20.37	Peak	
2 *	9849.8949	30.25	13.05	43.30	54.00	-10.70	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2459.9000	86.03	8.36	94.39	54.00	40.39	AVG	No Limit
2	2467.5000	93.30	8.37	101.67	74.00	27.67	Peak	No Limit
3	2483.5000	51.93	8.39	60.32	74.00	-13.68	Peak	
4	2483.5000	39.34	8.39	47.73	54.00	-6.27	AVG	

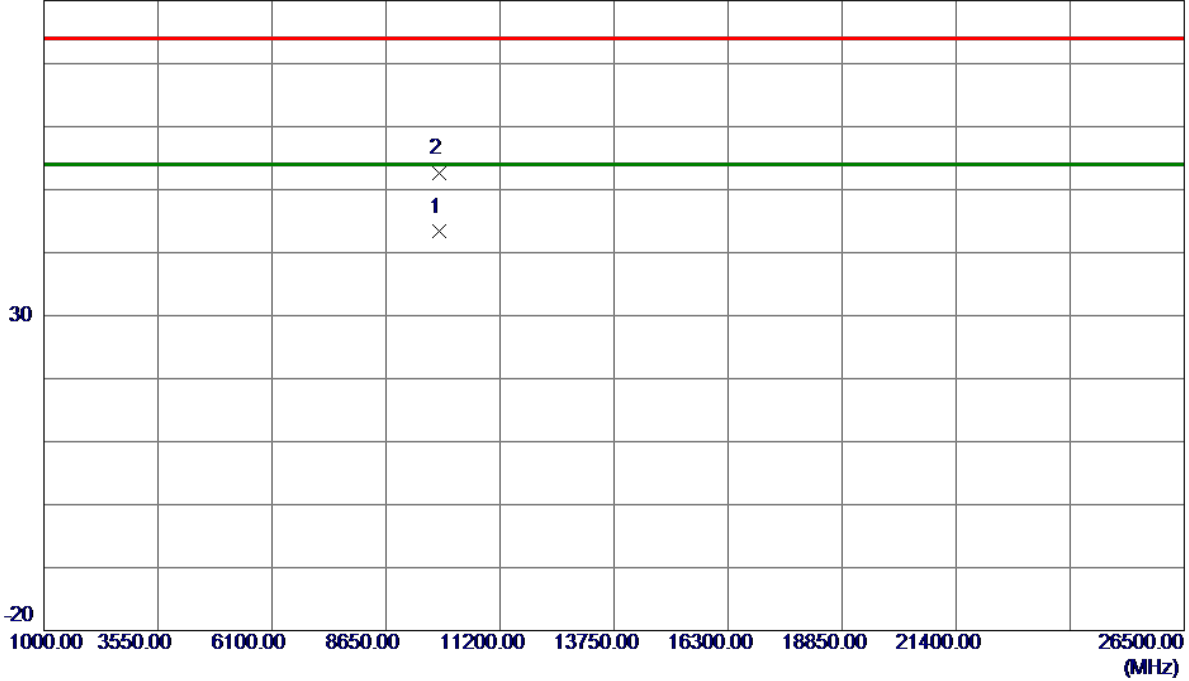
REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Horizontal

80 dBuV/m



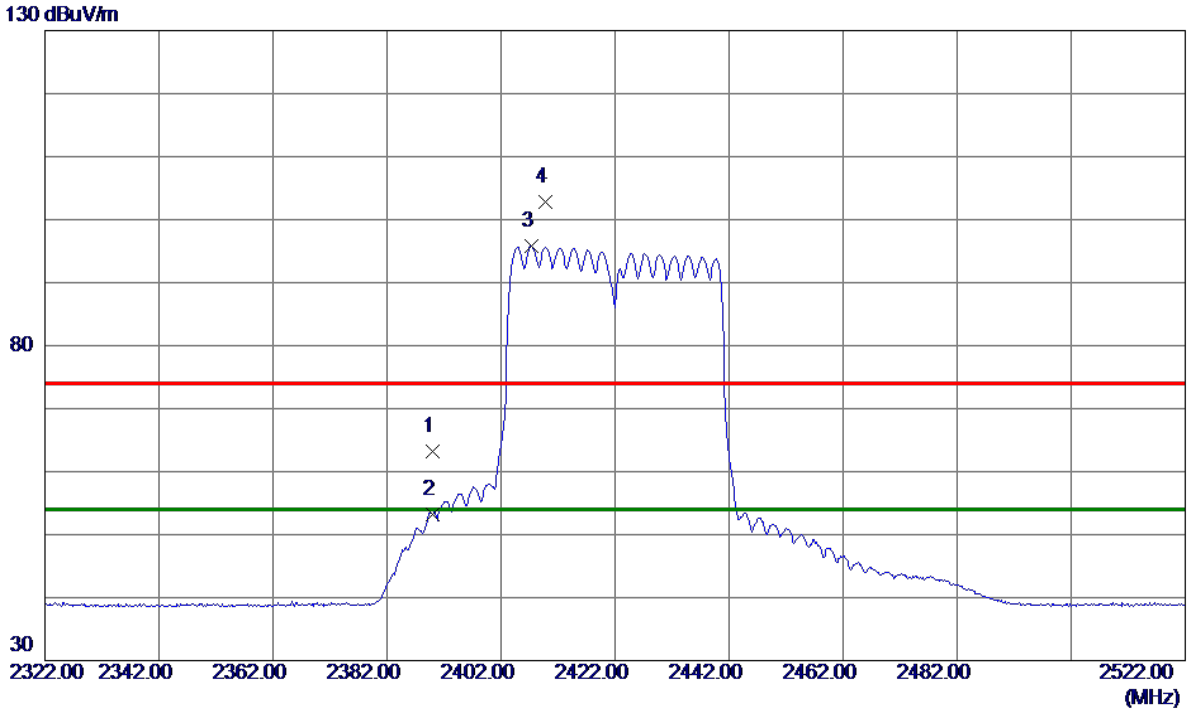
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	9849.1350	30.25	13.05	43.30	54.00	-10.70	AVG	
2	9850.4150	39.48	13.05	52.53	74.00	-21.47	Peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2422 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	54.84	8.29	63.13	74.00	-10.87	Peak	
2	2390.0000	45.00	8.29	53.29	54.00	-0.71	AVG	
3 *	2407.4000	87.44	8.31	95.75	54.00	41.75	AVG	No Limit
4	2409.8000	94.58	8.31	102.89	74.00	28.89	Peak	No Limit

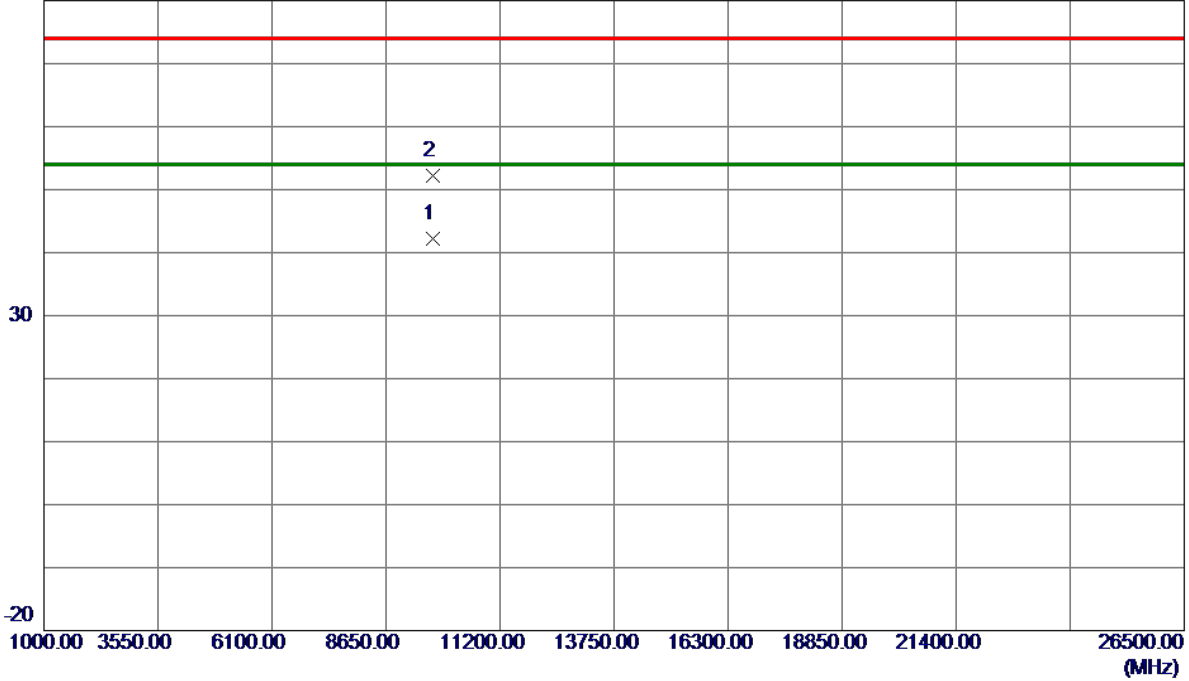
REMARKS:

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

Test Mode: TX N-40M Mode 2422 MHz

Vertical

80 dBuV/m



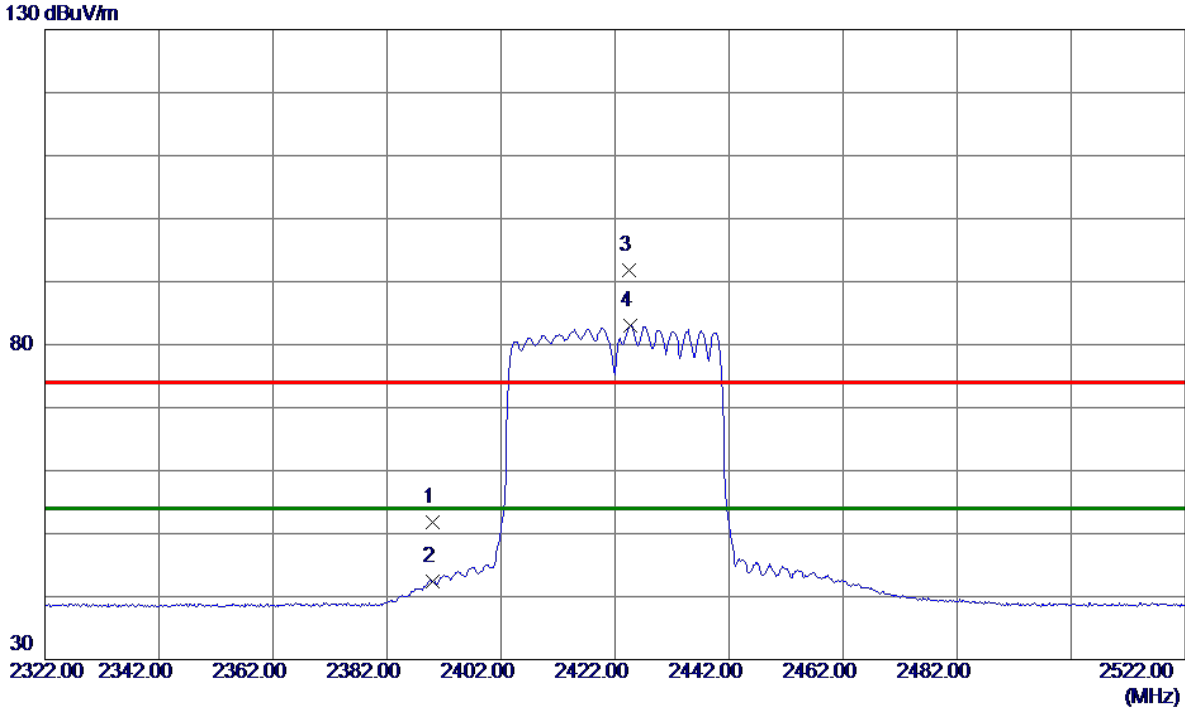
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	9688.9800	29.24	12.92	42.16	54.00	-11.84	AVG	
2	9689.7200	39.37	12.92	52.29	74.00	-21.71	Peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2422 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	43.52	8.29	51.81	74.00	-22.19	Peak	
2	2390.0000	34.04	8.29	42.33	54.00	-11.67	AVG	
3	2424.4000	83.56	8.32	91.88	74.00	17.88	Peak	No Limit
4 *	2424.6000	74.65	8.32	82.97	54.00	28.97	AVG	No Limit

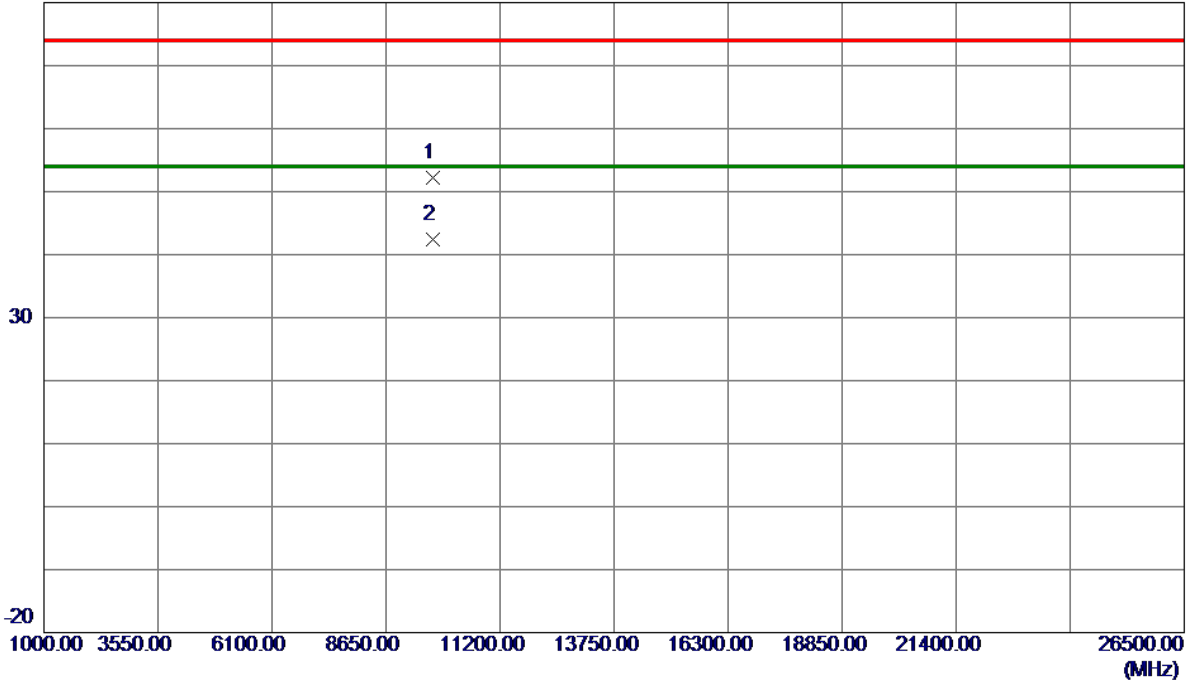
REMARKS:

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

Test Mode: TX N-40M Mode 2422 MHz

Horizontal

80 dBuV/m



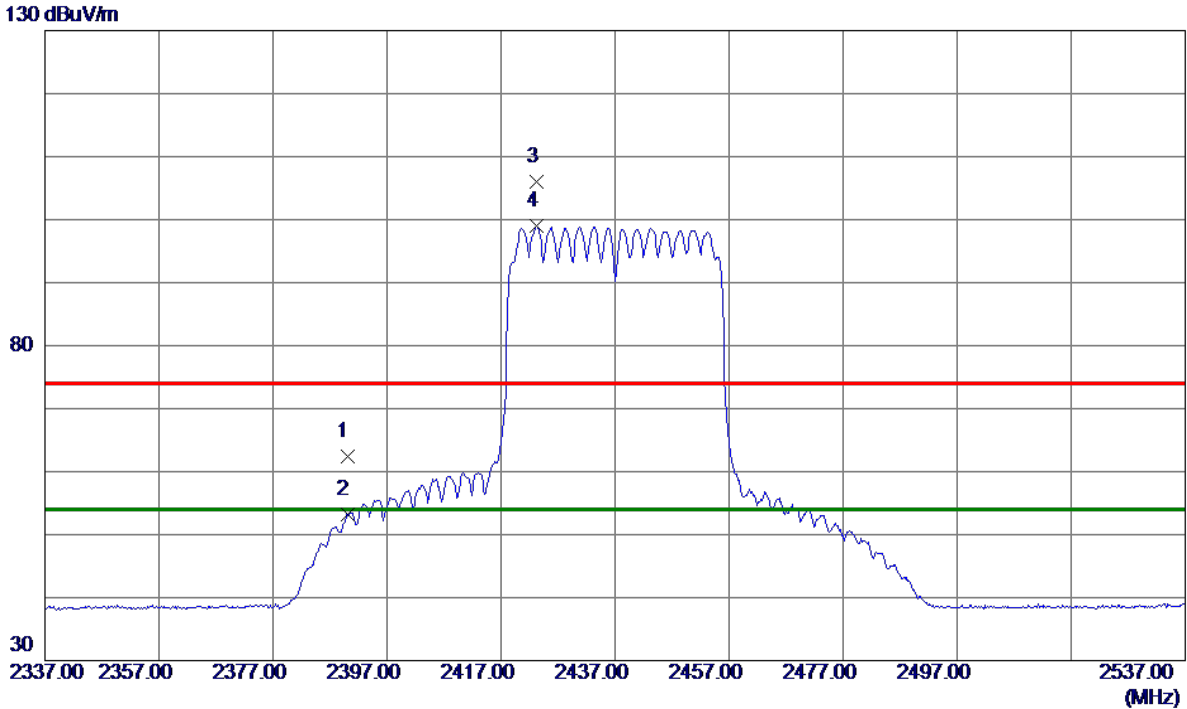
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9687.5199	39.24	12.91	52.15	74.00	-21.85	Peak	
2 *	9687.6100	29.58	12.91	42.49	54.00	-11.51	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	54.18	8.29	62.47	74.00	-11.53	Peak	
2	2390.0000	44.86	8.29	53.15	54.00	-0.85	AVG	
3	2423.2000	97.62	8.32	105.94	74.00	31.94	Peak	No Limit
4 *	2423.2000	90.64	8.32	98.96	54.00	44.96	AVG	No Limit

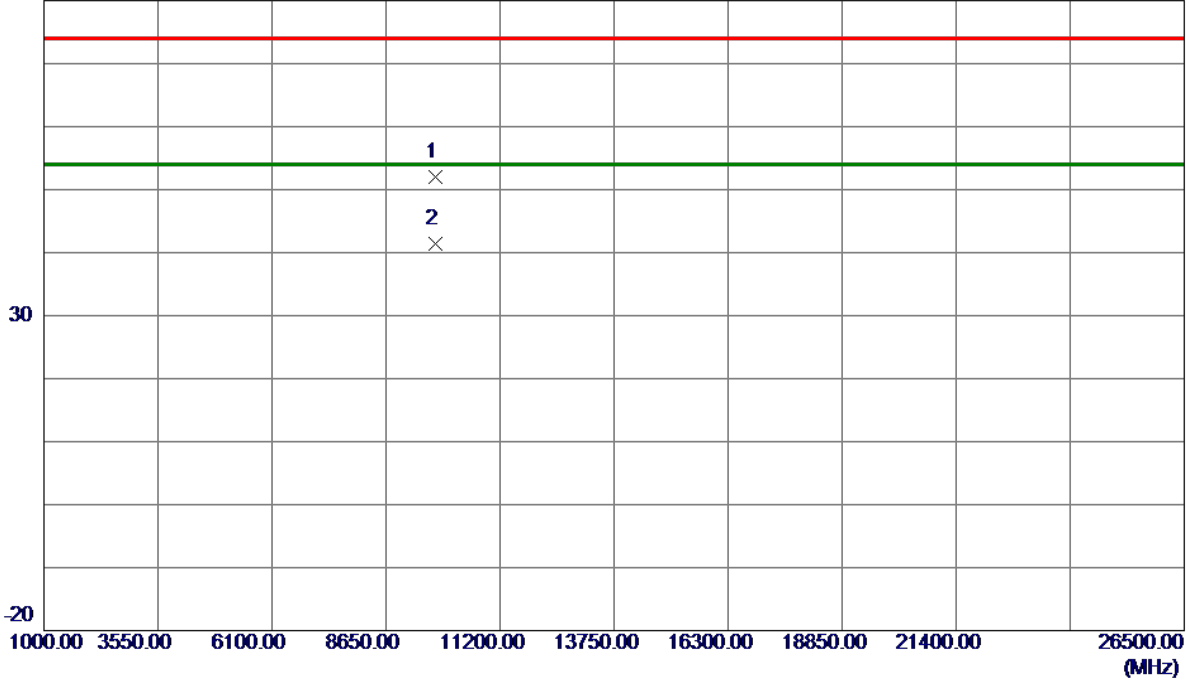
REMARKS:

- (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



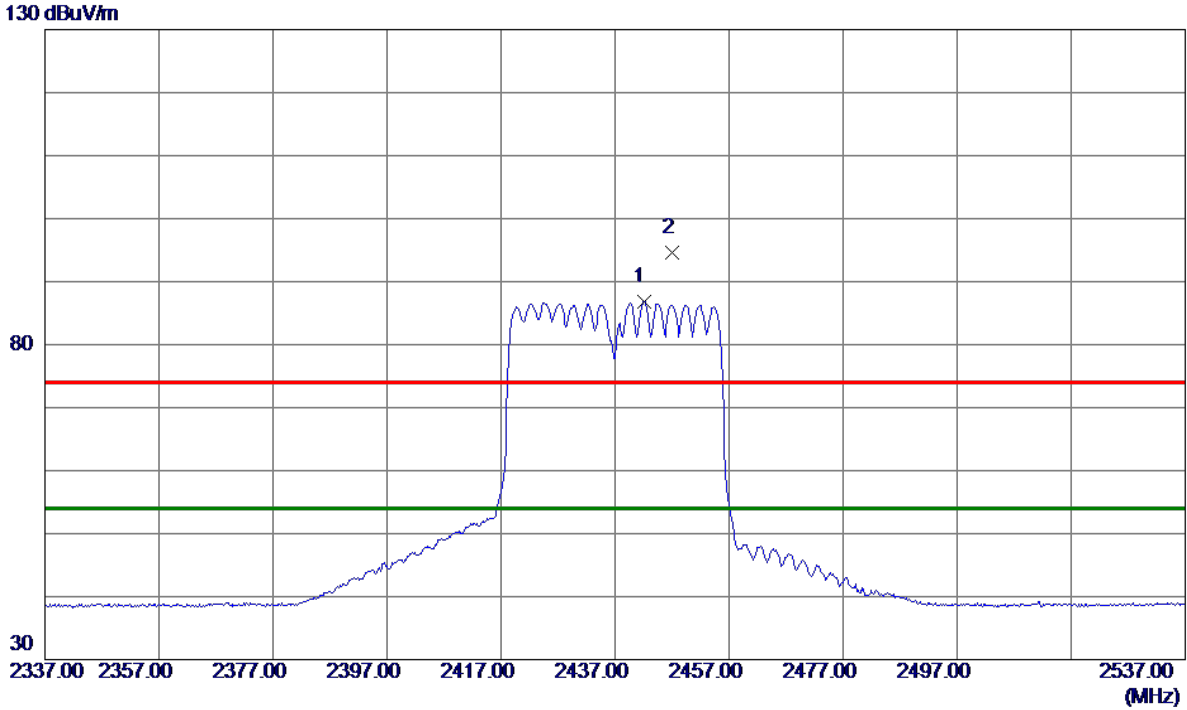
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9746.1449	38.96	12.96	51.92	74.00	-22.08	Peak	
2 *	9749.3800	28.46	12.97	41.43	54.00	-12.57	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2442.0000	78.46	8.34	86.80	54.00	32.80	AVG	No Limit
2	2447.0000	86.21	8.35	94.56	74.00	20.56	Peak	No Limit

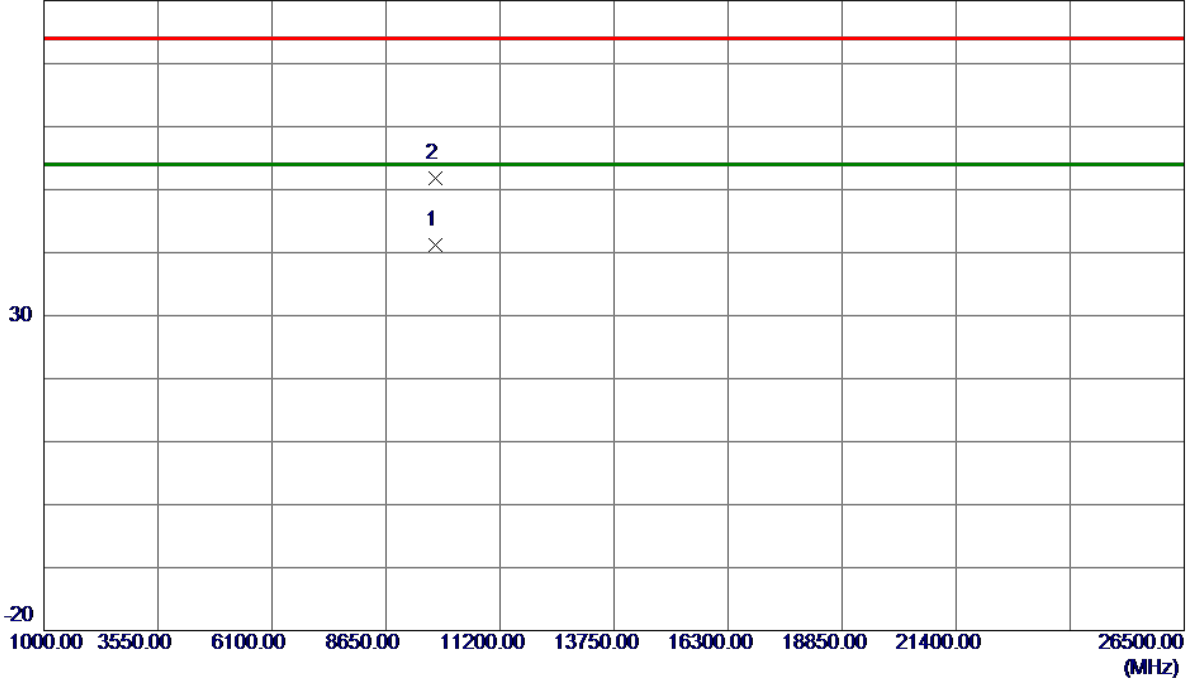
REMARKS:

- (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



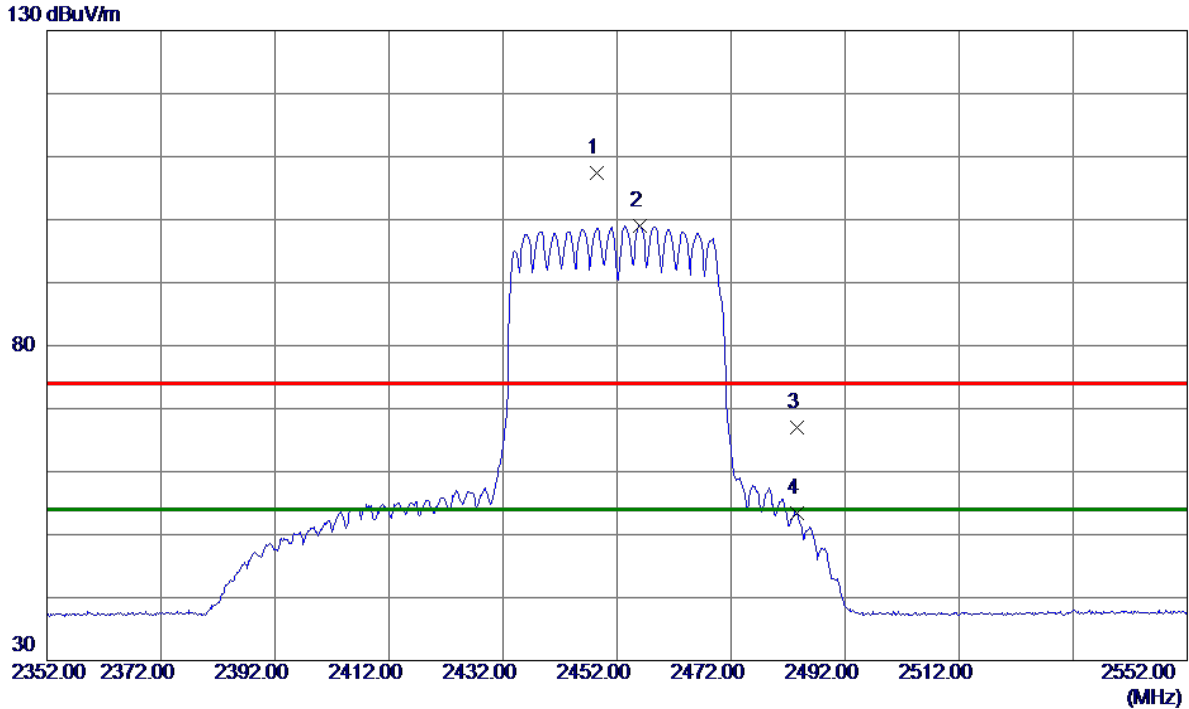
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	9747.2400	28.25	12.97	41.22	54.00	-12.78	AVG	
2	9749.3500	38.89	12.97	51.86	74.00	-22.14	Peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2448.4000	99.10	8.35	107.45	74.00	33.45	Peak	No Limit
2 *	2456.0000	90.64	8.36	99.00	54.00	45.00	AVG	No Limit
3	2483.5000	58.70	8.39	67.09	74.00	-6.91	Peak	
4	2483.5000	44.93	8.39	53.32	54.00	-0.68	AVG	

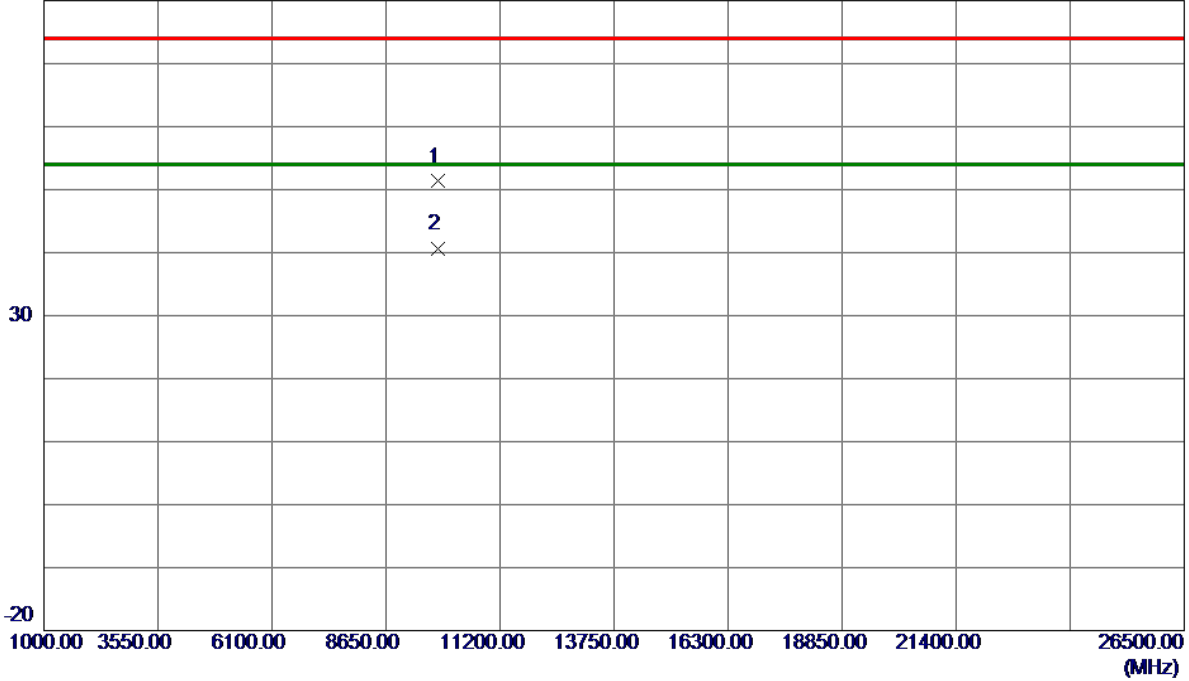
REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

Vertical

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	9808.3900	38.28	13.02	51.30	74.00	-22.70	Peak	
2 *	9810.1950	27.49	13.02	40.51	54.00	-13.49	AVG	

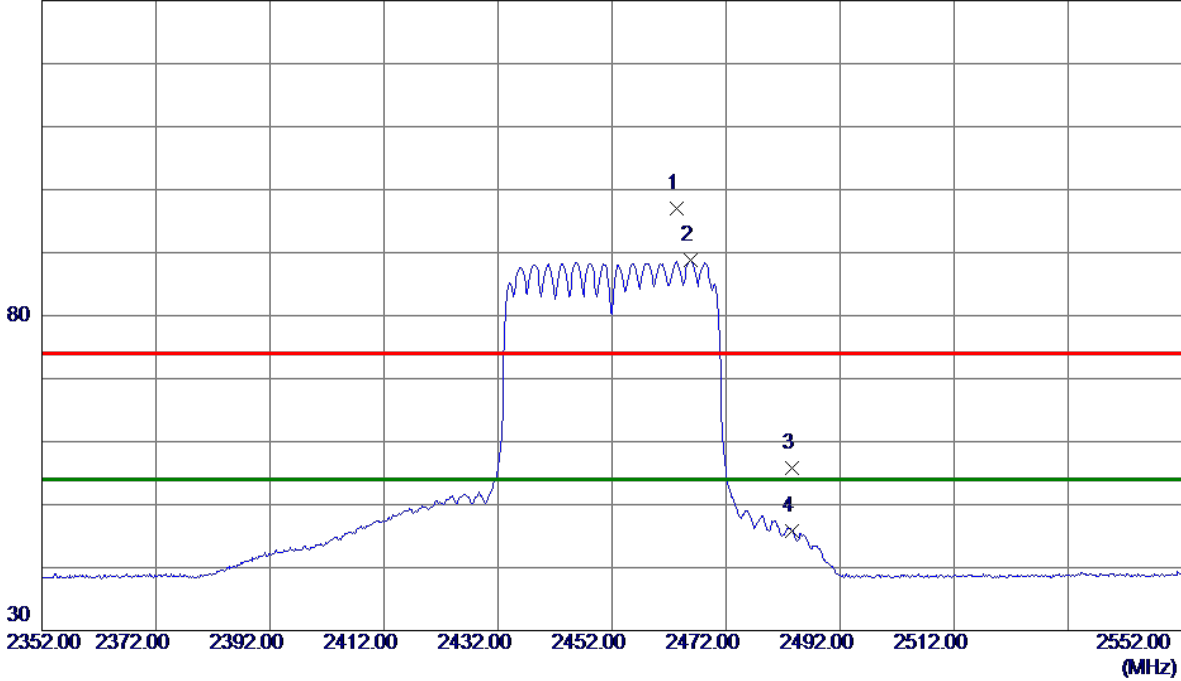
REMARKS:

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

Test Mode: TX N-40M Mode 2452 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	2463.4000	88.57	8.37	96.94	74.00	22.94	Peak	No Limit
2 *	2465.8000	80.36	8.37	88.73	54.00	34.73	AVG	No Limit
3	2483.5000	47.32	8.39	55.71	74.00	-18.29	Peak	
4	2483.5000	37.35	8.39	45.74	54.00	-8.26	AVG	

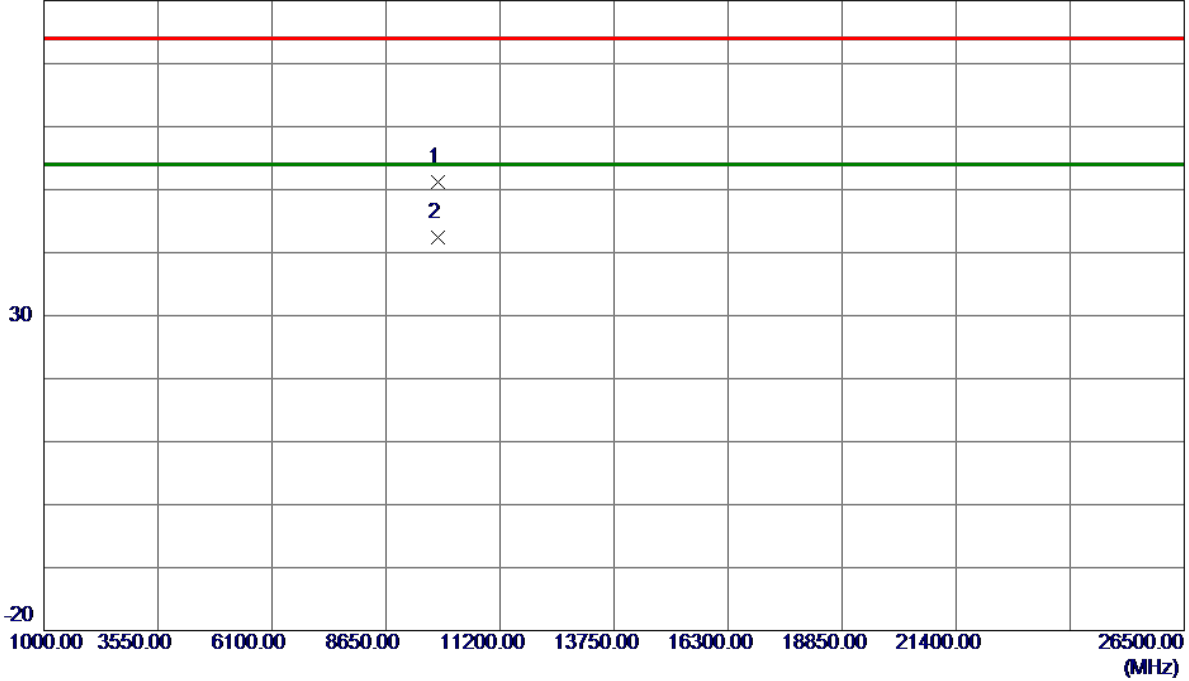
REMARKS:

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

Test Mode: TX N-40M Mode 2452 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	9806.2450	38.24	13.02	51.26	74.00	-22.74	Peak	
2 *	9809.5900	29.45	13.02	42.47	54.00	-11.53	AVG	

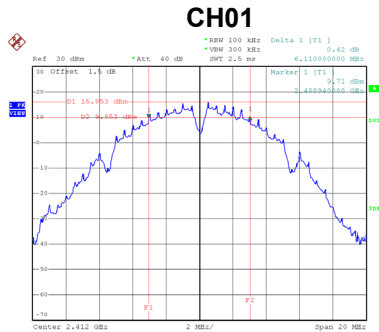
REMARKS:

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

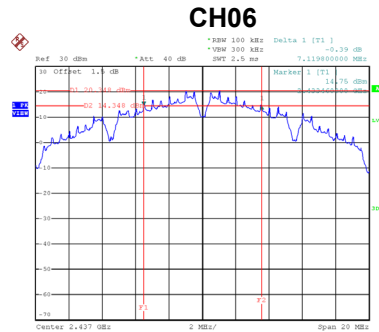
APPENDIX E - BANDWIDTH

Test Mode	TX B Mode
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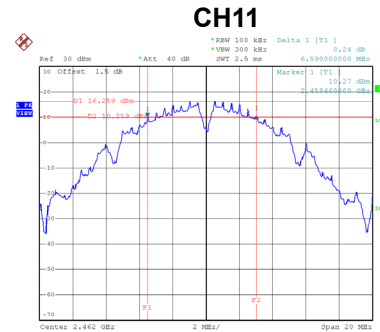
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	6.11	500	Complies
06	2437	7.12	500	Complies
11	2462	6.59	500	Complies



Date: 28_JUL.2020 09:46:17

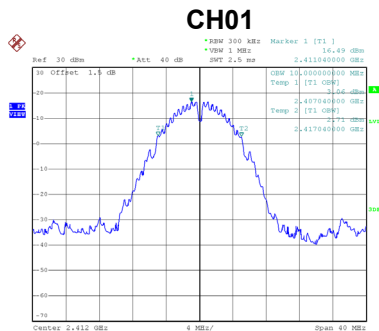


Date: 15_JUL.2020 11:47:50

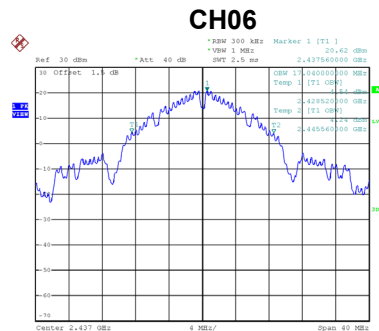


Date: 28_JUL.2020 09:49:30

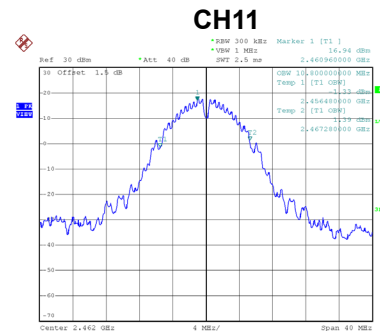
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	10.00	Complies
06	2437	17.04	Complies
11	2462	10.80	Complies



Date: 28_JUL.2020 09:47:05



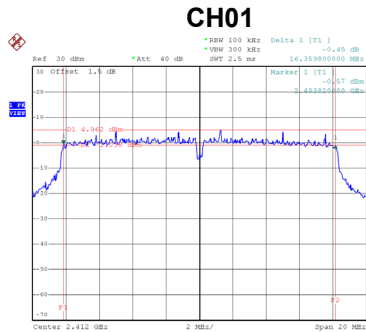
Date: 15_JUL.2020 11:47:57



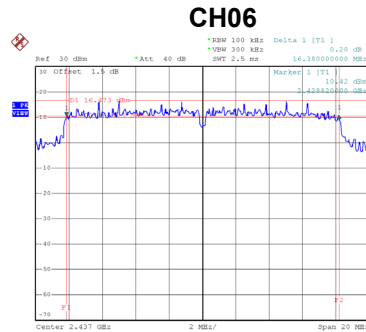
Date: 28_JUL.2020 09:49:38

Test Mode	TX G Mode
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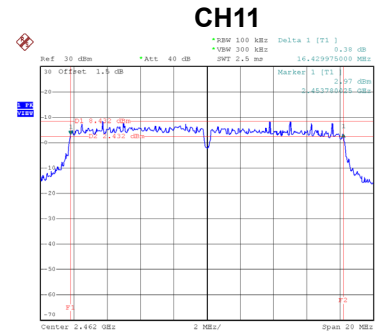
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	16.36	500	Complies
06	2437	16.38	500	Complies
11	2462	16.43	500	Complies



Date: 28_JUL.2020 09:51:41

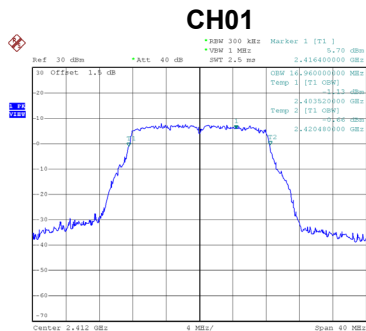


Date: 28_JUL.2020 09:53:36

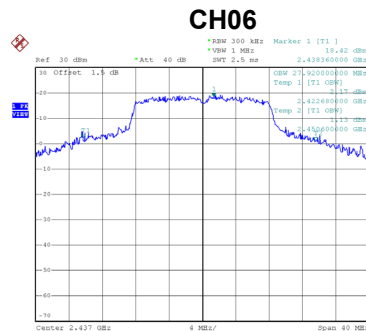


Date: 28_JUL.2020 09:55:34

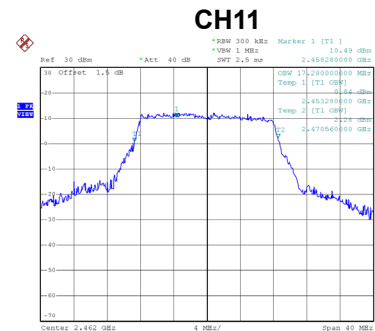
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	16.96	Complies
06	2437	27.92	Complies
11	2462	17.28	Complies



Date: 28_JUL.2020 09:51:48



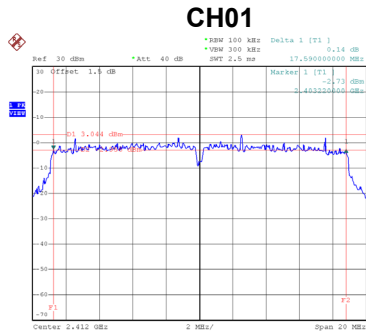
Date: 28_JUL.2020 09:53:43



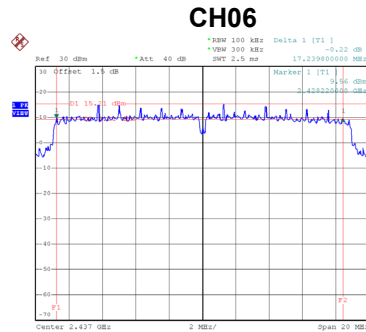
Date: 28_JUL.2020 09:55:42

Test Mode	TX N-20M Mode
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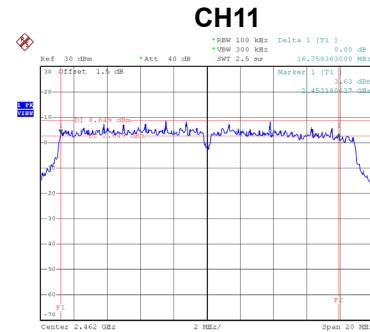
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	17.59	500	Complies
06	2437	17.24	500	Complies
11	2462	16.76	500	Complies



Date: 28_JUL.2020 09:15:27

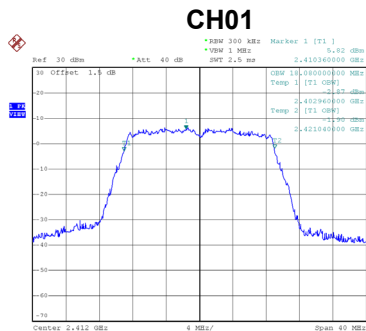


Date: 28_JUL.2020 09:15:02

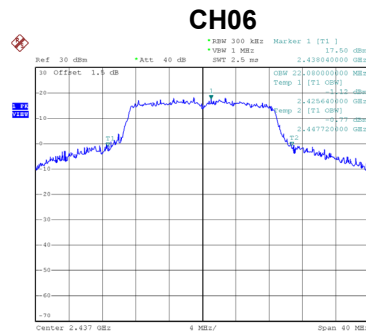


Date: 28_JUL.2020 10:00:43

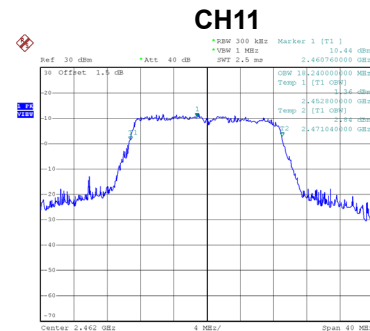
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	18.08	Complies
06	2437	22.08	Complies
11	2462	18.24	Complies



Date: 28_JUL.2020 09:15:135



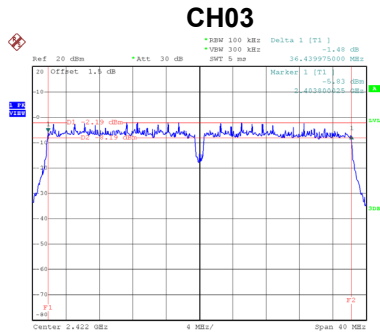
Date: 28_JUL.2020 09:15:910



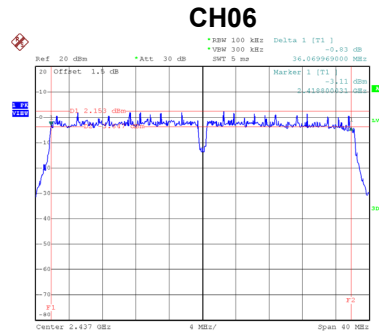
Date: 28_JUL.2020 10:00:150

Test Mode	TX N-40M Mode
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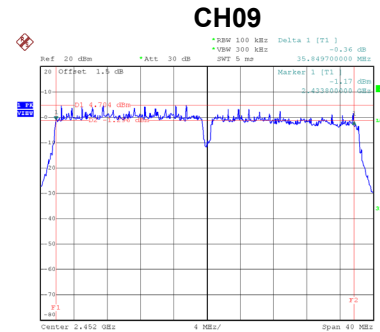
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
03	2422	36.44	500	Complies
06	2437	36.07	500	Complies
09	2452	35.85	500	Complies



Date: 28_JUL.2020 10:03:51

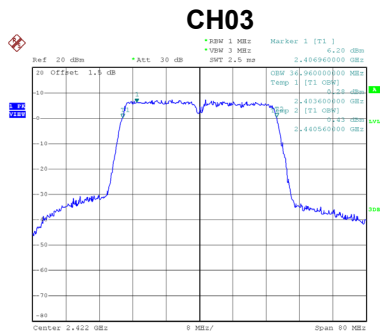


Date: 28_JUL.2020 10:05:52

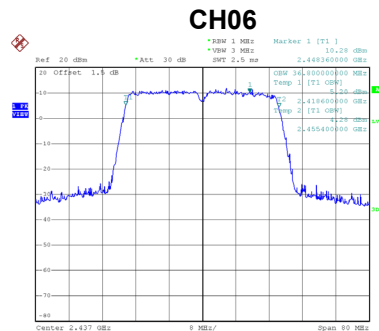


Date: 28_JUL.2020 10:08:19

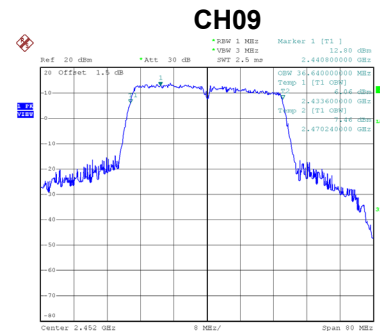
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
03	2422	36.96	Complies
06	2437	36.80	Complies
09	2452	36.64	Complies



Date: 28_JUL.2020 10:03:59



Date: 28_JUL.2020 10:06:00



Date: 28_JUL.2020 10:08:26

APPENDIX F - MAXIMUM OUTPUT POWER

Non Beamforming

Test Mode	TX B Mode_Ant. 1
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	22.48	0.21	22.69	30.00	1.0000	Complies
06	2437	28.21	0.21	28.42	30.00	1.0000	Complies
11	2462	23.46	0.21	23.67	30.00	1.0000	Complies

Test Mode	TX G Mode_Ant. 1
-----------	------------------

Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.84	0.23	15.07	30.00	1.0000	Complies
06	2437	26.53	0.23	26.76	30.00	1.0000	Complies
11	2462	19.78	0.23	20.01	30.00	1.0000	Complies

Test Mode	TX N-20M Mode_Ant. 1
-----------	----------------------

Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	12.76	0.21	12.97	30.00	1.0000	Complies
06	2437	25.12	0.21	25.33	30.00	1.0000	Complies
11	2462	19.03	0.21	19.24	30.00	1.0000	Complies

Test Mode	TX N-20M Mode_Ant. 2
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	13.18	0.21	13.39	30.00	1.0000	Complies
06	2437	24.87	0.21	25.08	30.00	1.0000	Complies
11	2462	18.97	0.21	19.18	30.00	1.0000	Complies

Test Mode	TX N-20M Mode_Total
-----------	---------------------

Channel	Frequency (MHz)	Average Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	16.20	30.00	1.0000	Complies
06	2437	28.22	30.00	1.0000	Complies
11	2462	22.22	30.00	1.0000	Complies

Test Mode	TX N-40M Mode_Ant. 1
-----------	----------------------

Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	10.85	0.43	11.28	30.00	1.0000	Complies
06	2437	14.64	0.43	15.07	30.00	1.0000	Complies
09	2452	17.18	0.43	17.61	30.00	1.0000	Complies

Test Mode	TX N-40M Mode_Ant. 2
-----------	----------------------

Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	10.73	0.43	11.16	30.00	1.0000	Complies
06	2437	14.13	0.43	14.56	30.00	1.0000	Complies
09	2452	16.45	0.43	16.88	30.00	1.0000	Complies

Test Mode	TX N-40M Mode_Total
-----------	---------------------

Channel	Frequency (MHz)	Average Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	14.24	30.00	1.0000	Complies
06	2437	17.84	30.00	1.0000	Complies
09	2452	20.28	30.00	1.0000	Complies

Beamforming

Test Mode	TX N-20M Mode_Ant. 1
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	12.53	0.21	12.74	30.00	1.0000	Complies
06	2437	24.83	0.21	25.04	30.00	1.0000	Complies
11	2462	18.72	0.21	18.93	30.00	1.0000	Complies

Test Mode	TX N-20M Mode_Ant. 2
-----------	----------------------

Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	12.96	0.21	13.17	30.00	1.0000	Complies
06	2437	24.59	0.21	24.80	30.00	1.0000	Complies
11	2462	18.66	0.21	18.87	30.00	1.0000	Complies

Test Mode	TX N-20M Mode_Total
-----------	---------------------

Channel	Frequency (MHz)	Average Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	15.97	30.00	1.0000	Complies
06	2437	27.93	30.00	1.0000	Complies
11	2462	21.91	30.00	1.0000	Complies

Test Mode	TX N-40M Mode_Ant. 1
-----------	----------------------

Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	10.55	0.43	10.98	30.00	1.0000	Complies
06	2437	14.33	0.43	14.76	30.00	1.0000	Complies
09	2452	16.84	0.43	17.27	30.00	1.0000	Complies

Test Mode	TX N-40M Mode_Ant. 2
-----------	----------------------

Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	10.49	0.43	10.92	30.00	1.0000	Complies
06	2437	13.87	0.43	14.30	30.00	1.0000	Complies
09	2452	16.16	0.43	16.59	30.00	1.0000	Complies

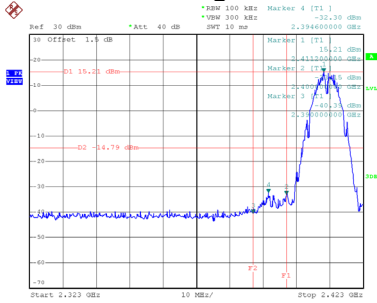
Test Mode	TX N-40M Mode_Total
-----------	---------------------

Channel	Frequency (MHz)	Average Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	13.97	30.00	1.0000	Complies
06	2437	17.55	30.00	1.0000	Complies
09	2452	19.96	30.00	1.0000	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

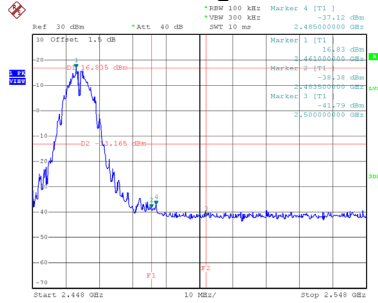
Test Mode TX B Mode_Ant. 1

Bandedge-CH01



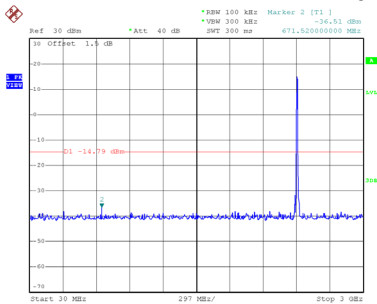
Date: 28.JUL.2020 09:47:13

Bandedge-CH11

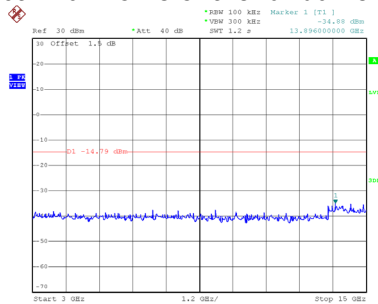


Date: 28.JUL.2020 09:49:47

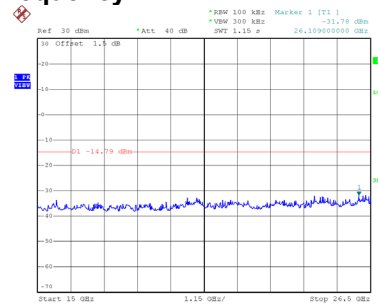
CH01 – 10th Harmonic of the fundamental frequency



Date: 28.JUL.2020 09:47:27

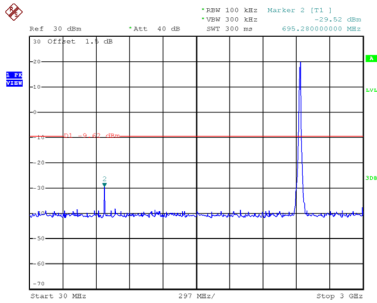


Date: 28.JUL.2020 09:47:35

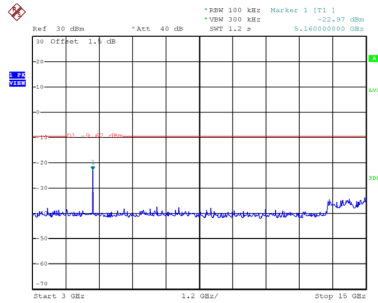


Date: 28.JUL.2020 09:47:44

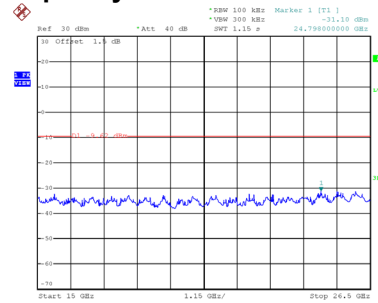
CH06 – 10th Harmonic of the fundamental frequency



Date: 15.JUL.2020 11:48:16

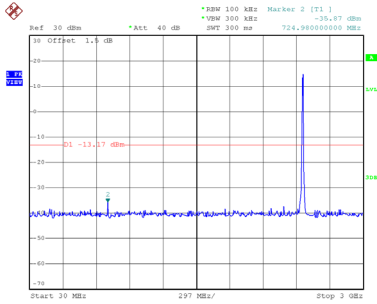


Date: 15.JUL.2020 11:48:23

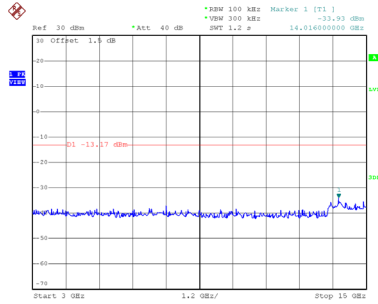


Date: 15.JUL.2020 11:48:30

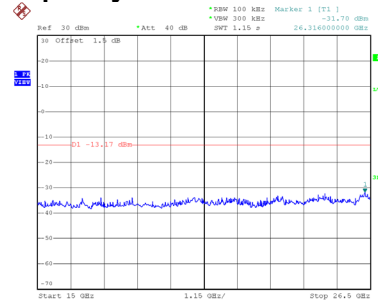
CH11 – 10th Harmonic of the fundamental frequency



Date: 28.JUL.2020 09:50:00



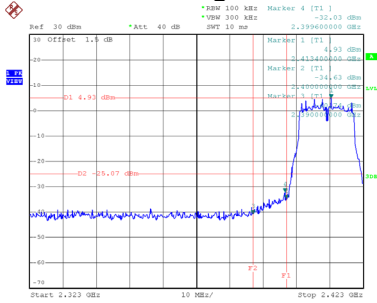
Date: 28.JUL.2020 09:50:09



Date: 28.JUL.2020 09:50:17

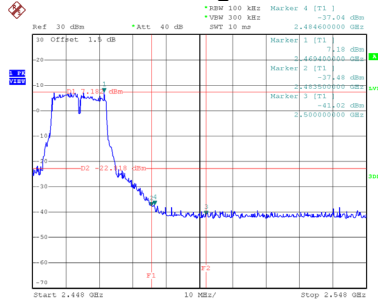
Test Mode TX G Mode_Ant. 1

Bandedge-CH01



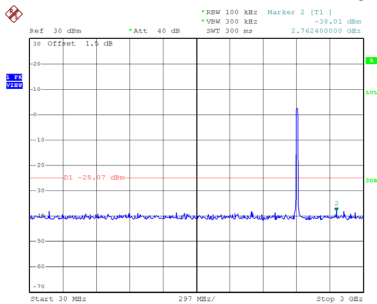
Date: 28.JUL.2020 09:52:13

Bandedge-CH11

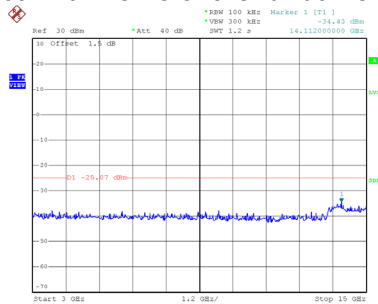


Date: 28.JUL.2020 09:55:50

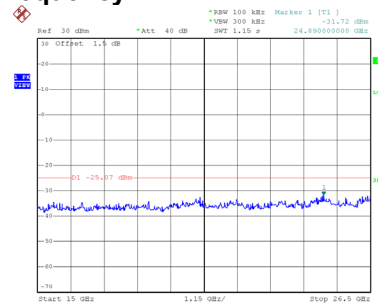
CH01 – 10th Harmonic of the fundamental frequency



Date: 28.JUL.2020 09:52:17

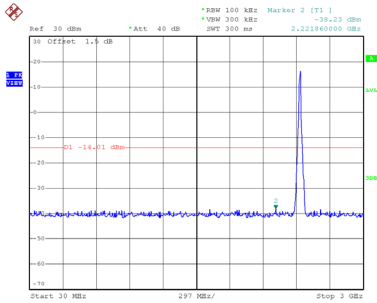


Date: 28.JUL.2020 09:52:36

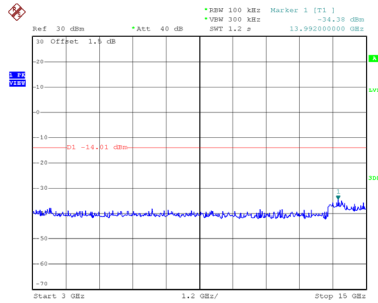


Date: 28.JUL.2020 09:52:44

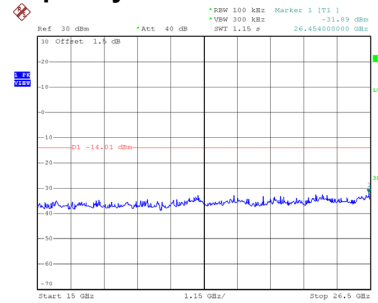
CH06 – 10th Harmonic of the fundamental frequency



Date: 28.JUL.2020 09:54:22

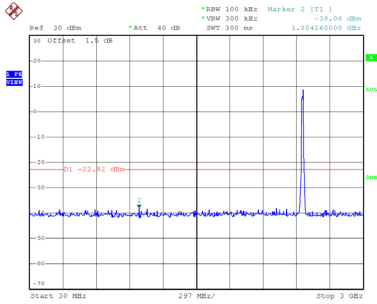


Date: 28.JUL.2020 09:54:31

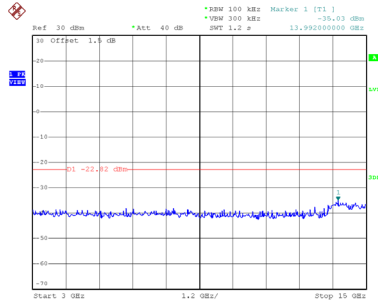


Date: 28.JUL.2020 09:54:39

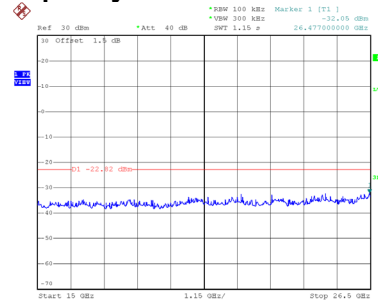
CH11 – 10th Harmonic of the fundamental frequency



Date: 28.JUL.2020 09:56:04



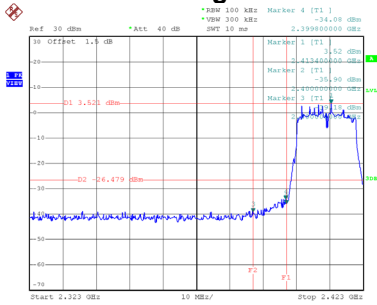
Date: 28.JUL.2020 09:56:12



Date: 28.JUL.2020 09:56:21

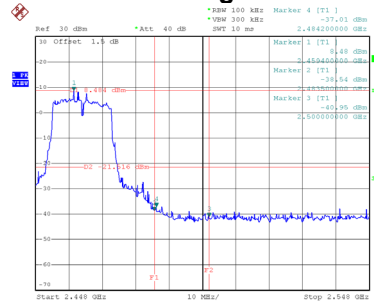
Test Mode TX N-20M Mode_Ant. 1

Bandedge-CH01



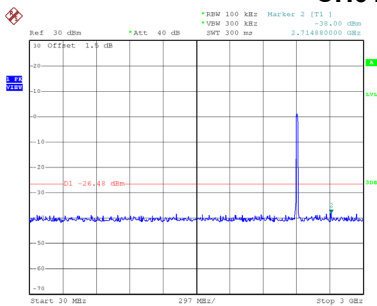
Date: 28.JUL.2020 09:57:43

Bandedge-CH11

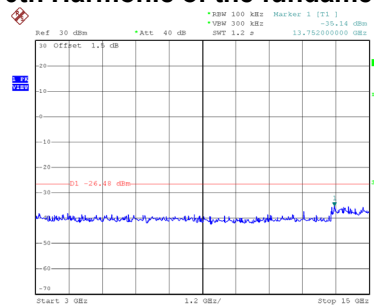


Date: 28.JUL.2020 10:00:59

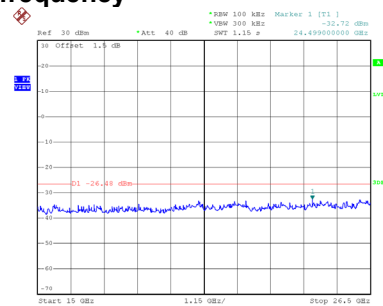
CH01 – 10th Harmonic of the fundamental frequency



Date: 28.JUL.2020 09:57:57

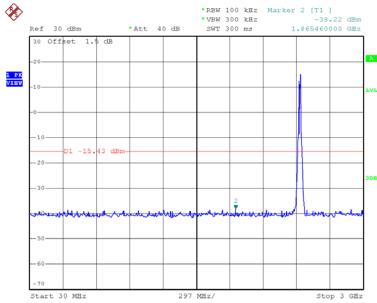


Date: 28.JUL.2020 09:58:05

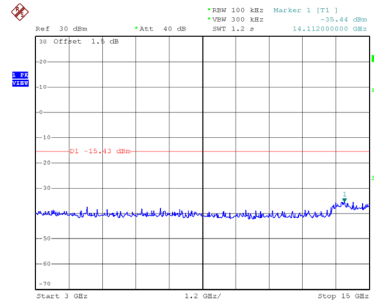


Date: 28.JUL.2020 09:58:14

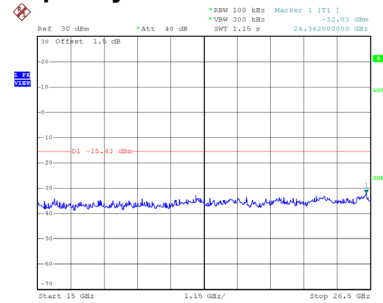
CH06 – 10th Harmonic of the fundamental frequency



Date: 28.JUL.2020 09:59:32

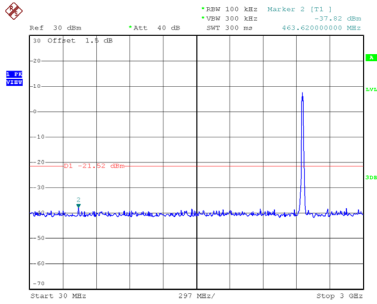


Date: 28.JUL.2020 09:59:40

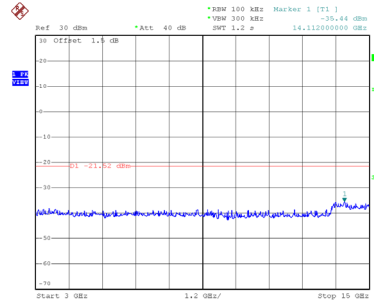


Date: 28.JUL.2020 09:59:49

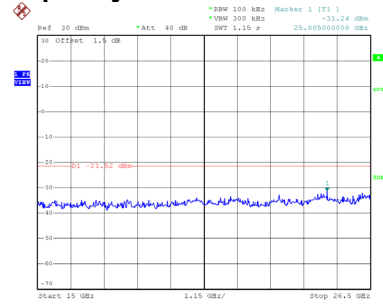
CH11 – 10th Harmonic of the fundamental frequency



Date: 28.JUL.2020 10:01:12



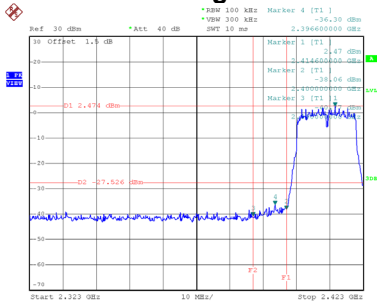
Date: 28.JUL.2020 10:01:21



Date: 28.JUL.2020 10:01:29

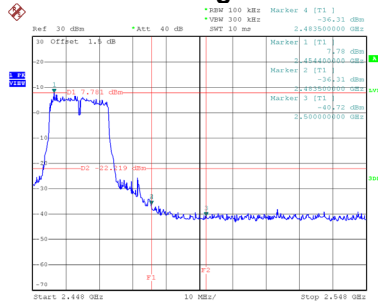
Test Mode TX N-20M Mode_Ant. 2

Bandedge-CH01



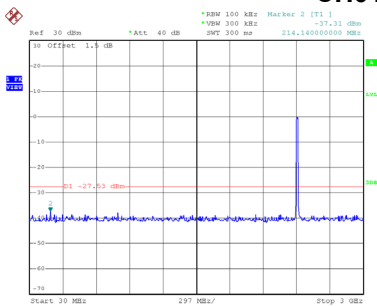
Date: 28.JUL.2020 10:11:15

Bandedge-CH11

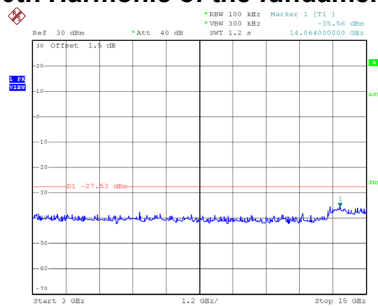


Date: 28.JUL.2020 10:24:04

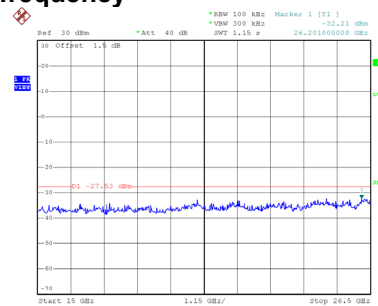
CH01 – 10th Harmonic of the fundamental frequency



Date: 28.JUL.2020 10:11:29

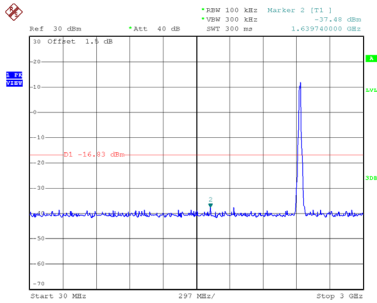


Date: 28.JUL.2020 10:11:37

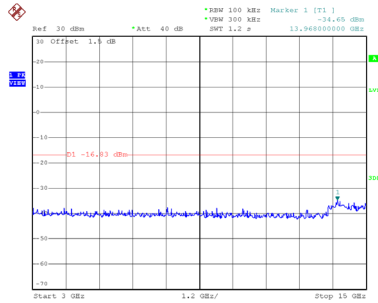


Date: 28.JUL.2020 10:11:46

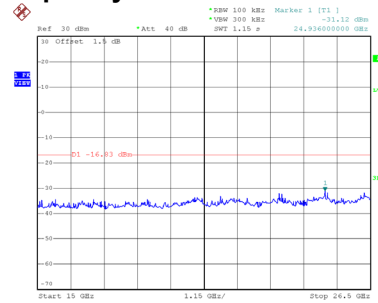
CH06 – 10th Harmonic of the fundamental frequency



Date: 28.JUL.2020 10:13:14

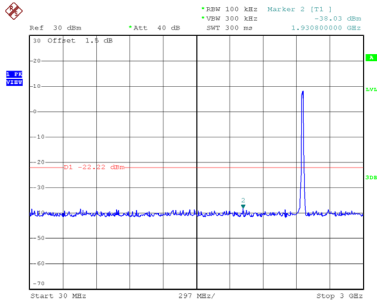


Date: 28.JUL.2020 10:13:23

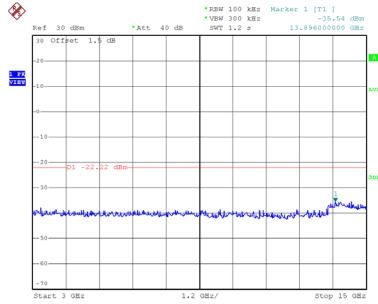


Date: 28.JUL.2020 10:13:31

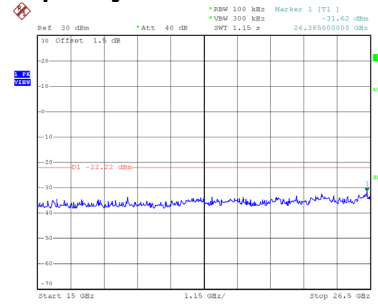
CH11 – 10th Harmonic of the fundamental frequency



Date: 28.JUL.2020 10:24:18



Date: 28.JUL.2020 10:24:27



Date: 28.JUL.2020 10:24:35