

FCC Radio Test Report

FCC ID: KA2COVR1100B1

This report concerns: **Original Grant**

Project No. : 2012H038
Equipment : 1) AC1200 Dual Band Mesh Wi-Fi Router
2) AC1200 Dual Band Whole Home Mesh Wi-Fi Router
Brand Name : D-Link
Test Model : COVR-1100
Series Model : COVR-1102/COVR-1103
Applicant : D-Link Corporation
Address : 17595 Mt. Herrmann Fountain Valley, CA92708 USA
Manufacturer : D-Link Corporation
Address : No.289, Sinhu 3rd Rd., Neihu District, Taipei City 114, Taiwan
Date of Receipt : Dec. 25, 2020
Date of Test : Dec. 25, 2020~Jan. 22, 2021
Issued Date : Feb. 24, 2021
Report Version : R01
Test Sample : Engineering Sample No.: SH20201223122, SH20201223123
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.

Maker Qi

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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.	Feb. 23, 2021
R01	Deleting the test photos for Short-term confidential.	Feb. 24, 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. 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	150 kHz ~ 30 MHz	2.70

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	Joven Xiong
Radiated Emissions-30 MHz to 1GHz	24°C	58%	AC 120V/60Hz	Forest Li
Radiated Emissions-Above 1000 MHz	24°C	58%	AC 120V/60Hz	Forest Li
Bandwidth	20°C	40%	AC 120V/60Hz	Vince Zong
Maximum output power & e.i.r.p.	20°C	40%	AC 120V/60Hz	Vince Zong
Conducted Spurious Emissions	20°C	40%	AC 120V/60Hz	Vince Zong
Power Spectral Density	20°C	40%	AC 120V/60Hz	Vince Zong

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	1) AC1200 Dual Band Mesh Wi-Fi Router 2) AC1200 Dual Band Whole Home Mesh Wi-Fi Router
Brand Name	D-Link
Test Model	COVR-1100
Series Model	COVR-1102/COVR-1103
Model Difference(s)	COVR-1100 Product Name: AC1200 Dual Band Mesh Wi-Fi Router (one set). COVR-1102 Product Name: AC1200 Dual Band Whole Home Mesh Wi-Fi Router (two sets). COVR-1103 Product Name: AC1200 Dual Band Whole Home Mesh Wi-Fi Router (three sets).
Software Version	V2.00
Hardware Version	B1
Power Source	DC voltage supplied from AC/DC adapter. 1#Brand/Mode:WB-12G12R 2#Brand/Mode:MAUS-1201001202 3#Brand/Mode:S12A14-120A100-PT 4#Brand/Mode:S12A12-120A100-CJ
Power Rating	1# I/P: 100V-240V ~ 50Hz/60Hz 0.3A Max, O/P:12.0V === 1.0A. 12.0W 2# I/P: 100V-240V ~ 50Hz/60Hz 0.35A, O/P:12V === 1.0A. 3# I/P: 100V-240V ~ 50Hz/60Hz 0.4A, O/P:12.0V === 1.0A. 12.0W 4# I/P: 100V-240V ~ 50Hz/60Hz max 0.5A, O/P:12V === 1A.
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	IEEE 802.11b: 28.55 dBm (0.7161 W) IEEE 802.11g: 29.11 dBm (0.8147 W) IEEE 802.11n (HT20): 29.97 dBm (0.9931 W) IEEE 802.11n (HT40): 29.94 dBm (0.9863 W)

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- 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	Internal	N/A	3.5	N/A
2	N/A	N/A	Internal	N/A	3.5	N/A

Note:

- The antenna gain is provided by the manufacturer.
- The EUT supports CDD, any transmit signals are correlated with each other. All antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$,
 For power spectral density measurements, $N_{ANT} = 2$, $N_{SS} = 1$. So Directional gain = $G_{ANT} + \text{Array Gain}$
 Gain = $G_{ANT} + 10 \log(N_{ANT}/N_{SS}) \text{ dB} = 3.5 + 10 \log(2/1) \text{ dBi} = 6.51$. Then, the power density limit is $8 - (6.51 - 6) = 7.49$
 For power measurements, Array Gain = 0 dB ($N_{ANT} \leq 4$), so the Directional gain = 3.5.

4. Table for Antenna Configuration:

Operating Mode / TX Mode	Ant. 1	Ant. 2	Ant. 1 + Ant. 2
802.11b	✓	✓	✗
802.11g	✓	✓	✗
802.11n(20 MHz)	✓	✓	✓
802.11n(40 MHz)	✓	✓	✓

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

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 1	TX B Mode Channel 11

Radiated emissions test - Below 1GHz	
Final Test Mode:	Description
Mode 1	TX B 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 Mbps)
For radiated emission tests, the highest output powers were set for final test.
- (3) For radiated emission below 1 GHz and AC Power Line Conducted Emissions test, the IEEE 802.11b Channel 11 is found to be the worst case and recorded.

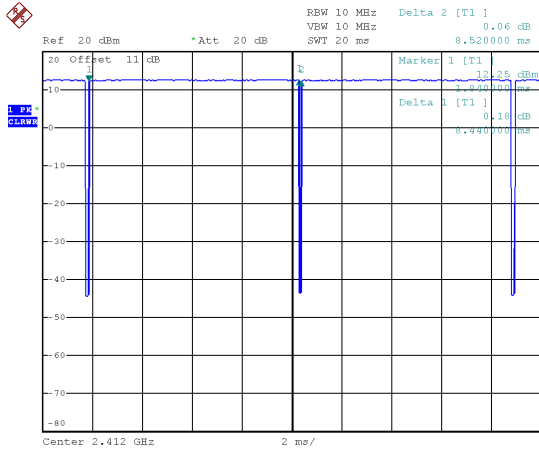
2.3 PARAMETERS OF TEST SOFTWARE

Test Software	MP_TEST_1.3.8.0		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	45	45	47
IEEE 802.11g	45	46	48
IEEE 802.11n (HT20)	38	42	37
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	34	39	36

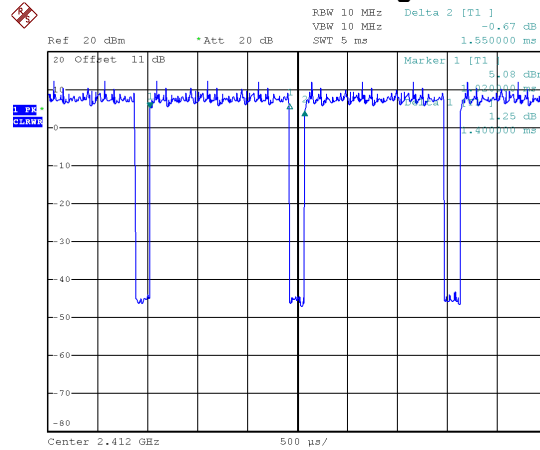
2.4 DUTY CYCLE

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



IEEE 802.11g



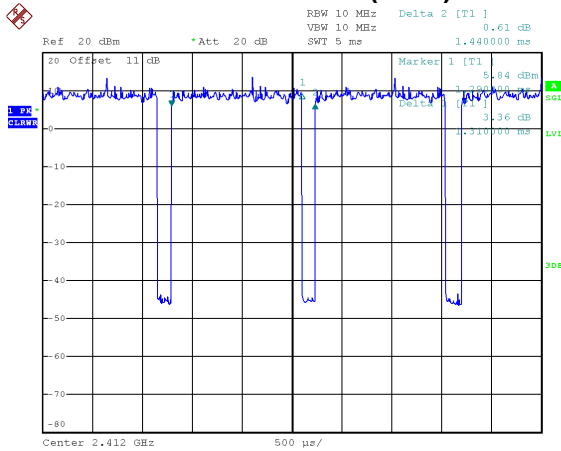
Date: 28.DEC.2020 16:29:43

Duty cycle = $8.44 \text{ ms} / 8.52 \text{ ms} = 99.06\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.04$

Date: 28.DEC.2020 16:30:51

Duty cycle = $1.40 \text{ ms} / 1.55 \text{ ms} = 90.32\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.44$

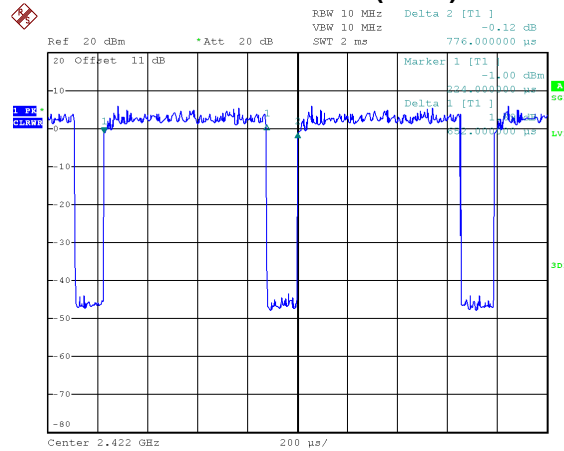
IEEE 802.11n (HT20)



Date: 29.DEC.2020 14:19:24

Duty cycle = $1.31 \text{ ms} / 1.44 \text{ ms} = 90.97\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.41$

IEEE 802.11n (HT40)



Date: 28.DEC.2020 16:32:16

Duty cycle = $0.652 \text{ ms} / 0.776 \text{ ms} = 84.02\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.76$

NOTE:

For IEEE 802.11b:

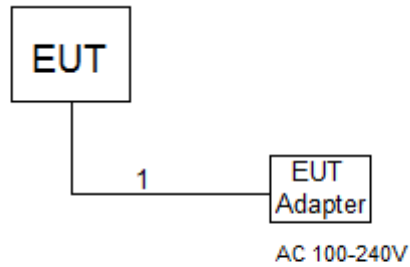
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz (Duty cycle $> 98\%$).

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	Cable Type	Shielded Type	Ferrite Core	Length
1	DC	N/A	N/A	1M

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

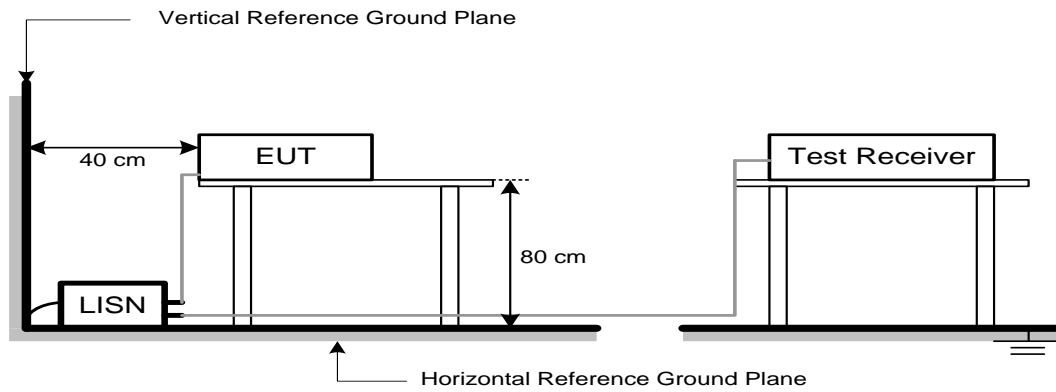
3.2 TEST PROCEDURE

- 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).
- (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

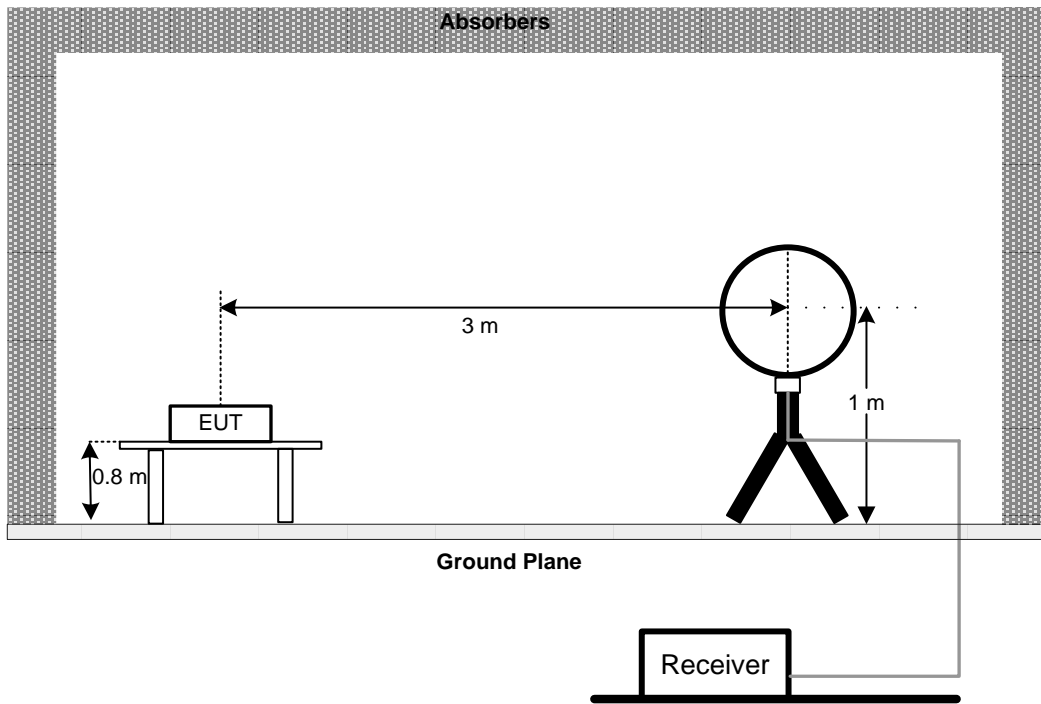
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b. The measuring distance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

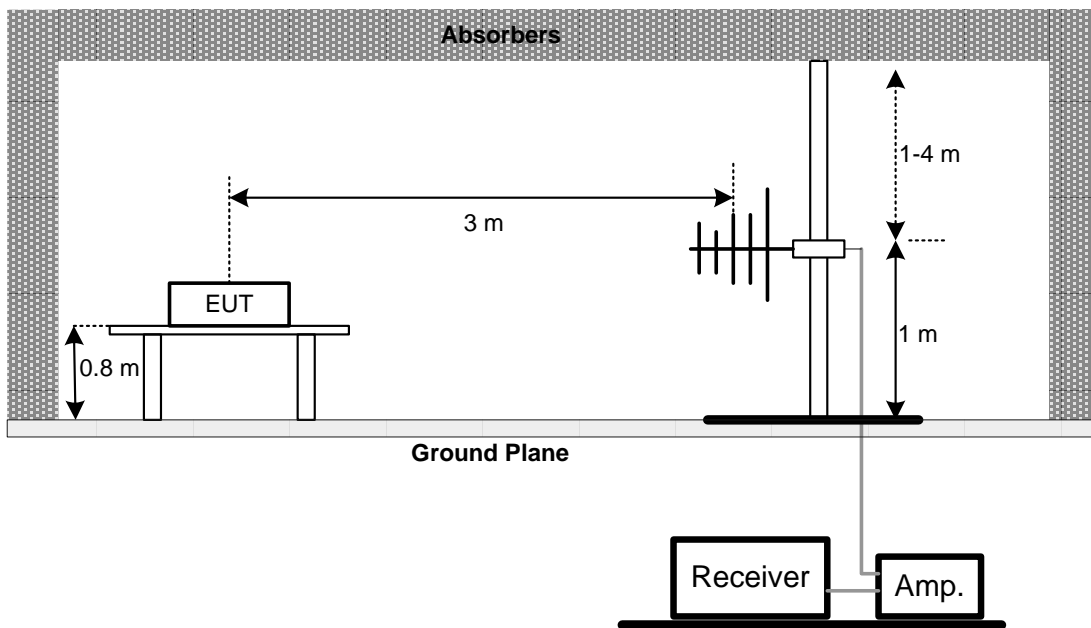
No deviation

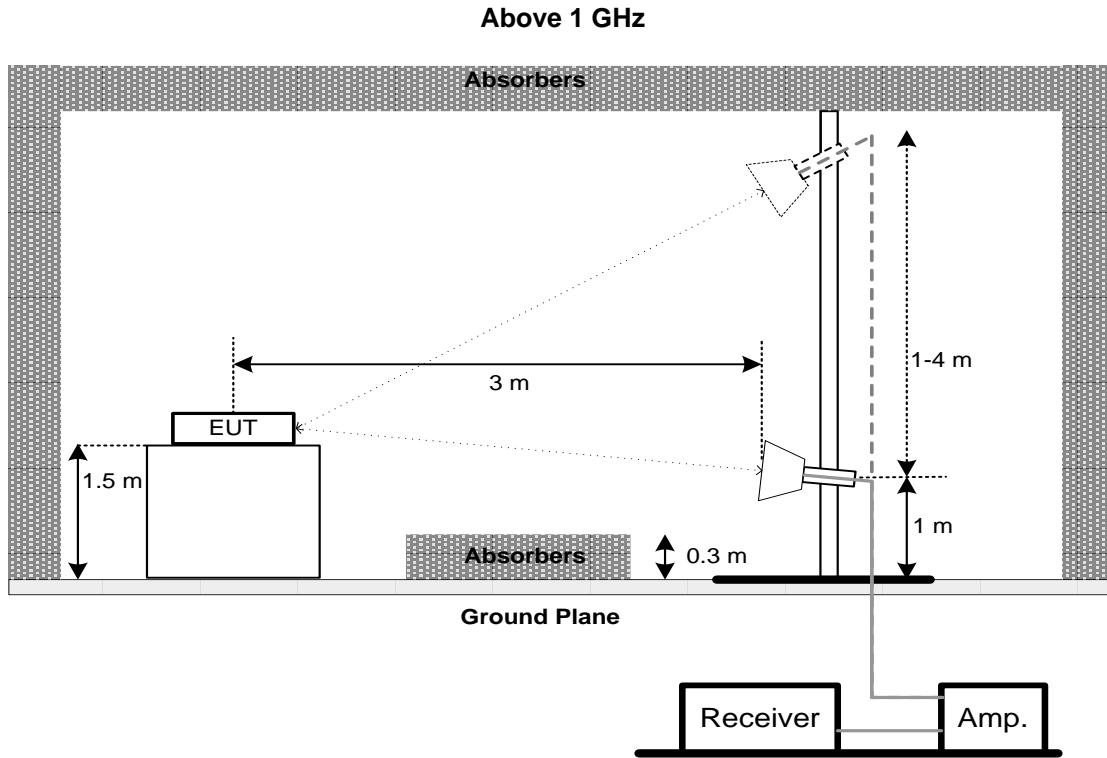
4.4 TEST SETUP

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 11.9.1.3 (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.

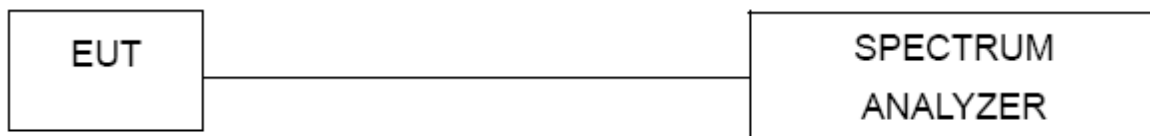
7.2 TEST PROCEDURE

- 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	Line Impedance Stabilisation Network	Schwarzbeck	NNLK 8121	8121-822	Mar. 21, 2021
2	TWO-LINE V-NETWORK	R&S	ENV216	101340	Aug. 23, 2021
3	Test Cable	emci	EMCRG400-BM-N M-10000	170628	Jul. 15, 2021
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 21, 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 - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	719	Apr. 02, 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. 13, 2021
5	Test Cable	emci	EMC104-SM-SM-1 000	170331	Apr. 13, 2021
6	Test Cable	emci	EMC104-SM-NM-3 500	170621	Apr. 13, 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	Apr. 02, 2021
2	Pre-Amplifier	emci	EMC012645SE	980421	May. 11, 2021
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Mar. 21, 2021
4	Test Cable	emci	EMC104-SM-SM-7000	170330	Apr. 13, 2021
5	Test Cable	emci	EMC104-SM-SM-1000	170331	Apr. 13, 2021
6	Test Cable	emci	EMC104-SM-NM-3500	170621	Apr. 13, 2021
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	MXE EMI Receiver	Keysight	N9038A	MY57150106	May. 06, 2021
9	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	3116C	00203919	Jul. 20, 2021
10	Pre-Amplifier	emci	EMC184045SE	980409	Mar. 21, 2021
11	EXA Spectrum Analyzer	Keysight	N9010A	MY56480579	Mar. 21, 2021
12	Test Cable	emci	EMC102-KM-KM-800	170654	Apr. 13, 2021
13	Test Cable	emci	Super Reliable-40G-SS11-7000	W0030860001	Apr. 13, 2021
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 06, 2021

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyze	Keysight	8990B	MY51000507	Mar. 06, 2021
2	Wideband Power Sensor	Keysight	N9123A	MY58310003	Mar. 06, 2021

Antenna Conducted Spurious Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 06, 2021

Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 06, 2021

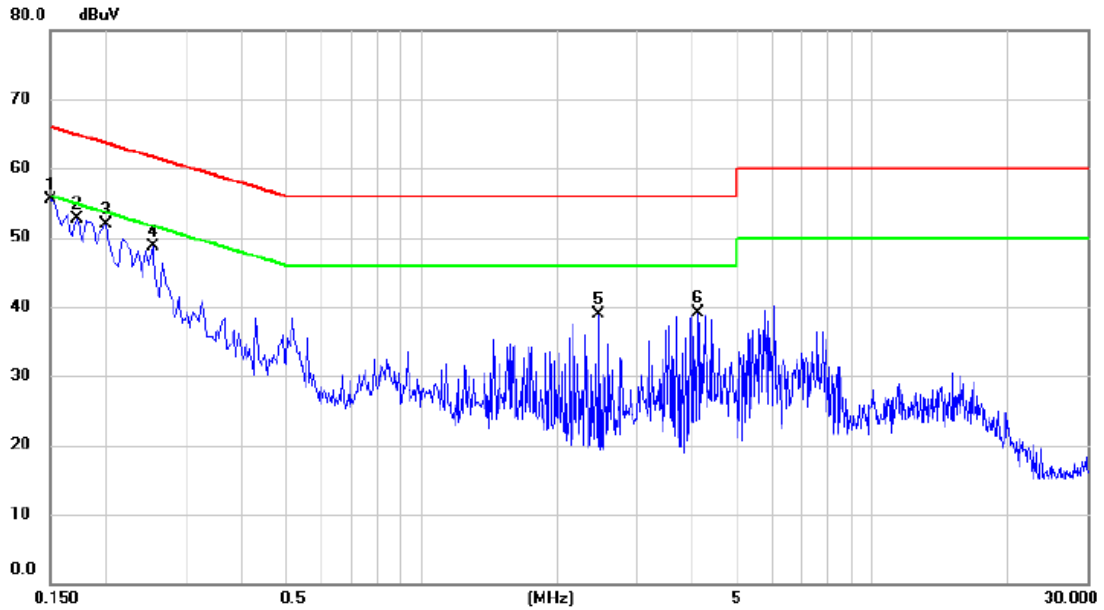
Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode: TX B Mode 2462 MHz

Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1500	45.78	9.71	55.49	66.00	-10.51	peak	
2		0.1725	42.99	9.73	52.72	64.84	-12.12	peak	
3		0.1995	42.20	9.74	51.94	63.63	-11.69	peak	
4		0.2535	38.85	9.76	48.61	61.64	-13.03	peak	
5		2.4765	28.93	9.93	38.86	56.00	-17.14	peak	
6		4.0965	29.13	10.02	39.15	56.00	-16.85	peak	

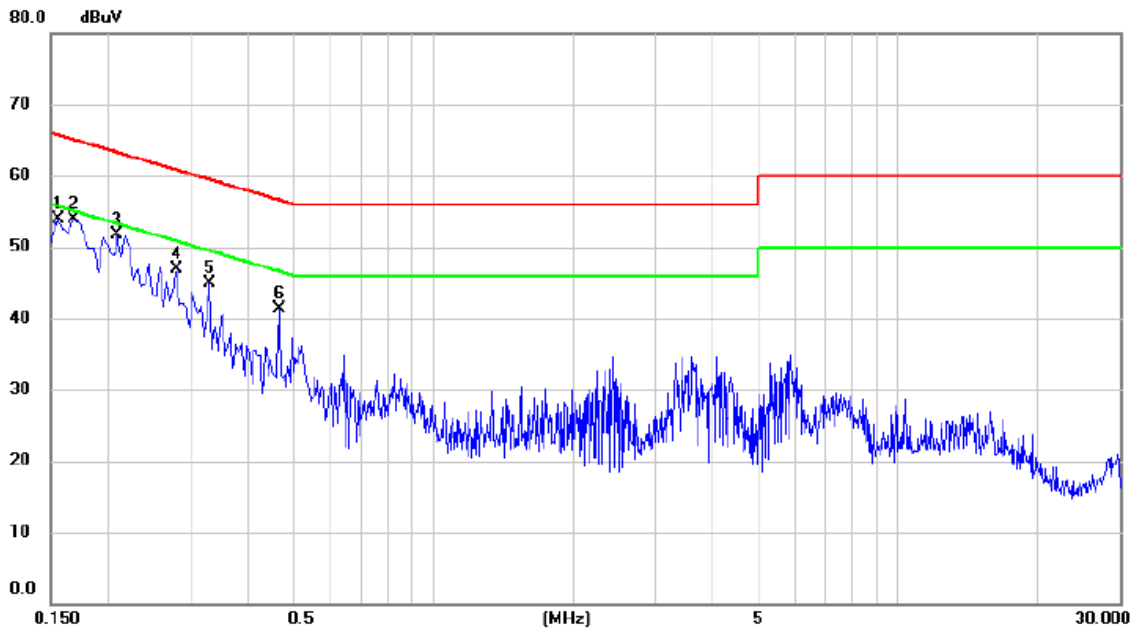
REMARKS:

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

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

Test Mode: TX B Mode 2462 MHz

Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1556	44.18	9.69	53.87	65.70	-11.83	peak	
2	*	0.1680	44.23	9.70	53.93	65.06	-11.13	peak	
3		0.2085	42.00	9.71	51.71	63.26	-11.55	peak	
4		0.2805	37.16	9.73	46.89	60.80	-13.91	peak	
5		0.3300	35.14	9.74	44.88	59.45	-14.57	peak	
6		0.4650	31.46	9.77	41.23	56.60	-15.37	peak	

REMARKS:

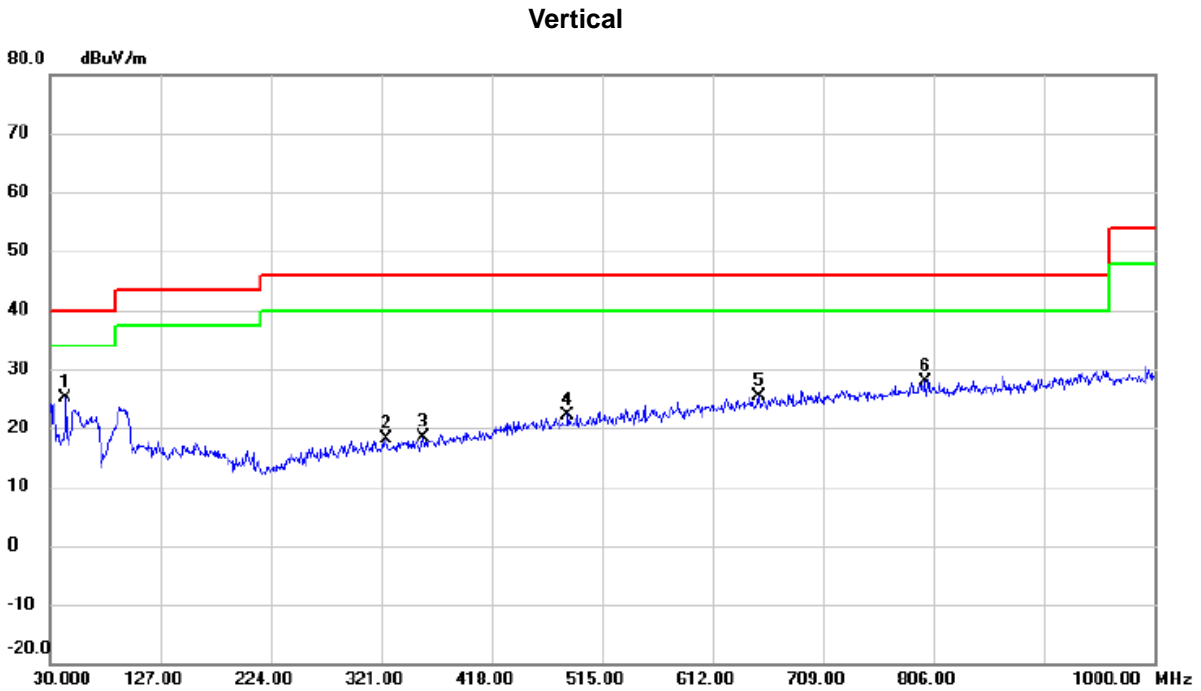
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Note: 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 B Mode 2462 MHz



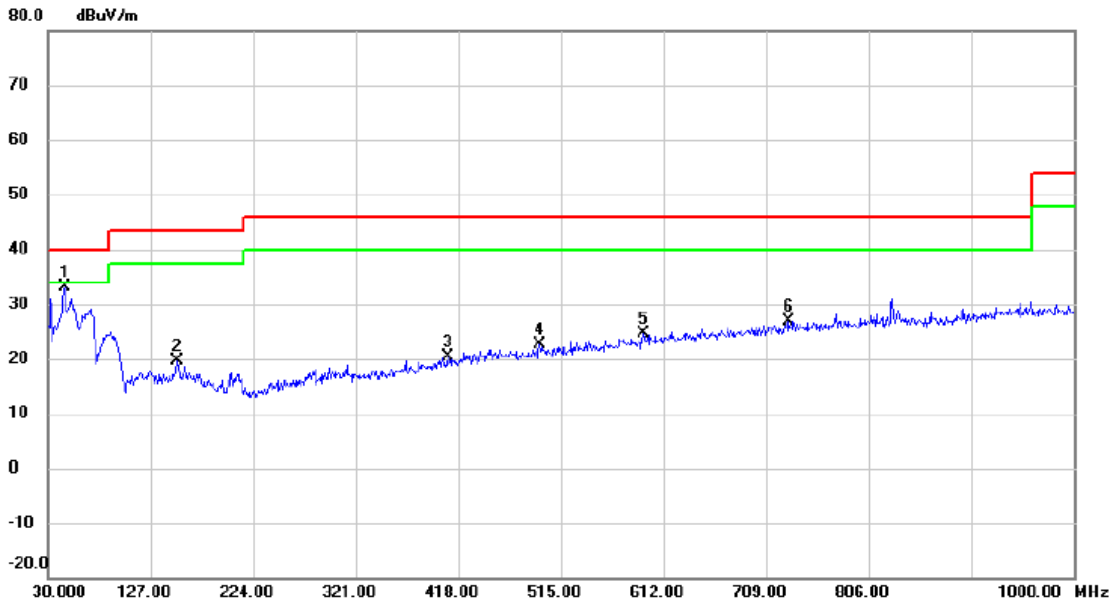
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	43.5800	42.17	-17.03	25.14	40.00	-14.86	peak	
2		325.8500	32.99	-14.92	18.07	46.00	-27.93	peak	
3		358.3450	32.82	-14.39	18.43	46.00	-27.57	peak	
4		484.9300	33.70	-11.45	22.25	46.00	-23.75	peak	
5		652.2550	33.81	-8.53	25.28	46.00	-20.72	peak	
6		799.2100	34.30	-6.54	27.76	46.00	-18.24	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.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	46.0050	50.07	-16.87	33.20	40.00	-6.80	peak	
2		152.7050	35.91	-16.20	19.71	43.50	-23.79	peak	
3		408.3000	33.55	-13.17	20.38	46.00	-25.62	peak	
4		495.1150	33.95	-11.28	22.67	46.00	-23.33	peak	
5		593.0850	33.87	-9.34	24.53	46.00	-21.47	peak	
6		730.3400	34.45	-7.49	26.96	46.00	-19.04	peak	

REMARKS:

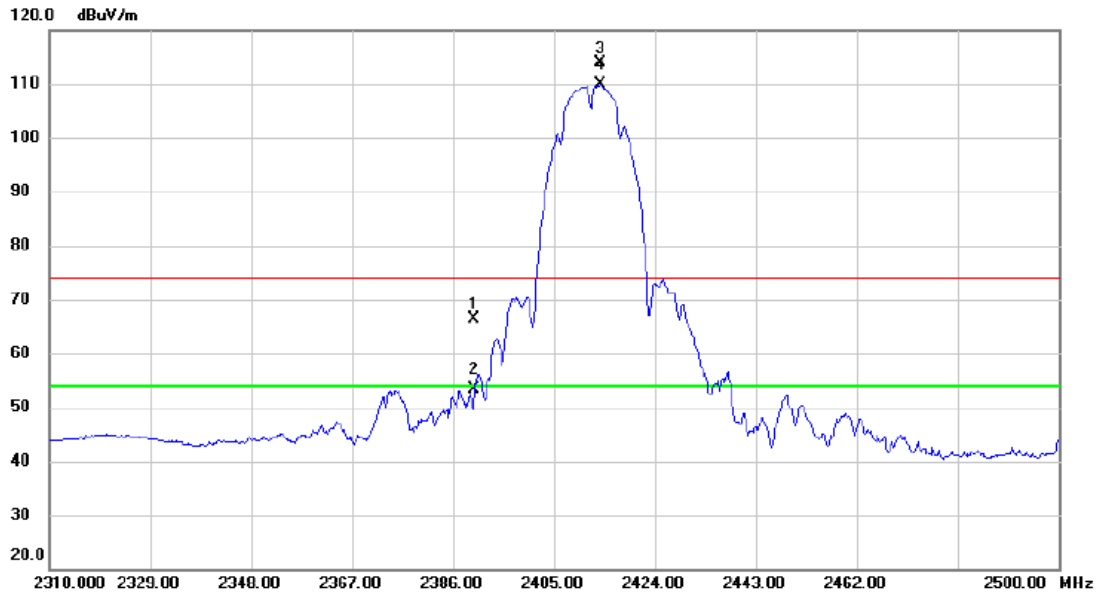
(1) Measurement Value = Reading Level + Correct Factor.

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

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

Test Mode: TX B Mode 2412 MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	34.58	31.74	66.32	74.00	-7.68	peak	
2		2390.000	21.58	31.74	53.32	54.00	-0.68	AVG	
3	X	2413.740	82.09	31.72	113.81	74.00	39.81	peak	
4	*	2413.740	78.09	31.72	109.81	54.00	55.81	AVG	

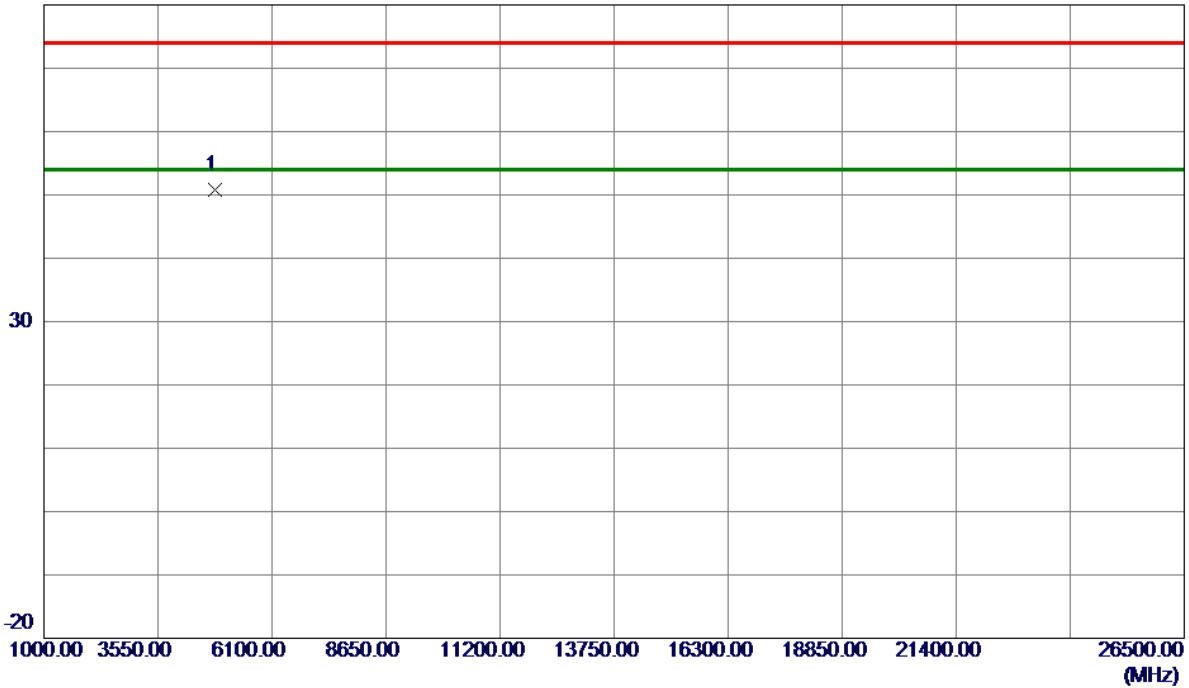
REMARKS:

- (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



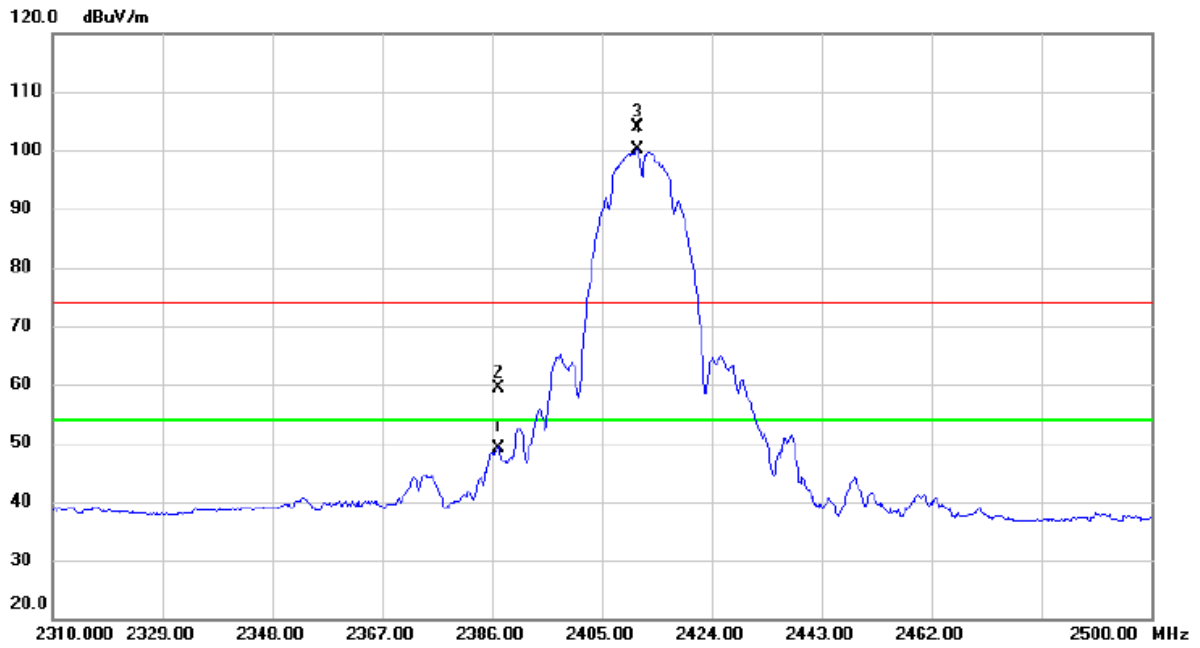
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4823.7250	61.77	-10.91	50.86	74.00	-23.14	Peak	

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		2387.045	17.32	31.75	49.07	54.00	-4.93	AVG	
2		2387.235	27.55	31.75	59.30	74.00	-14.70	peak	
3	X	2411.175	72.18	31.72	103.90	74.00	29.90	peak	
4	*	2411.175	68.47	31.72	100.19	54.00	46.19	AVG	

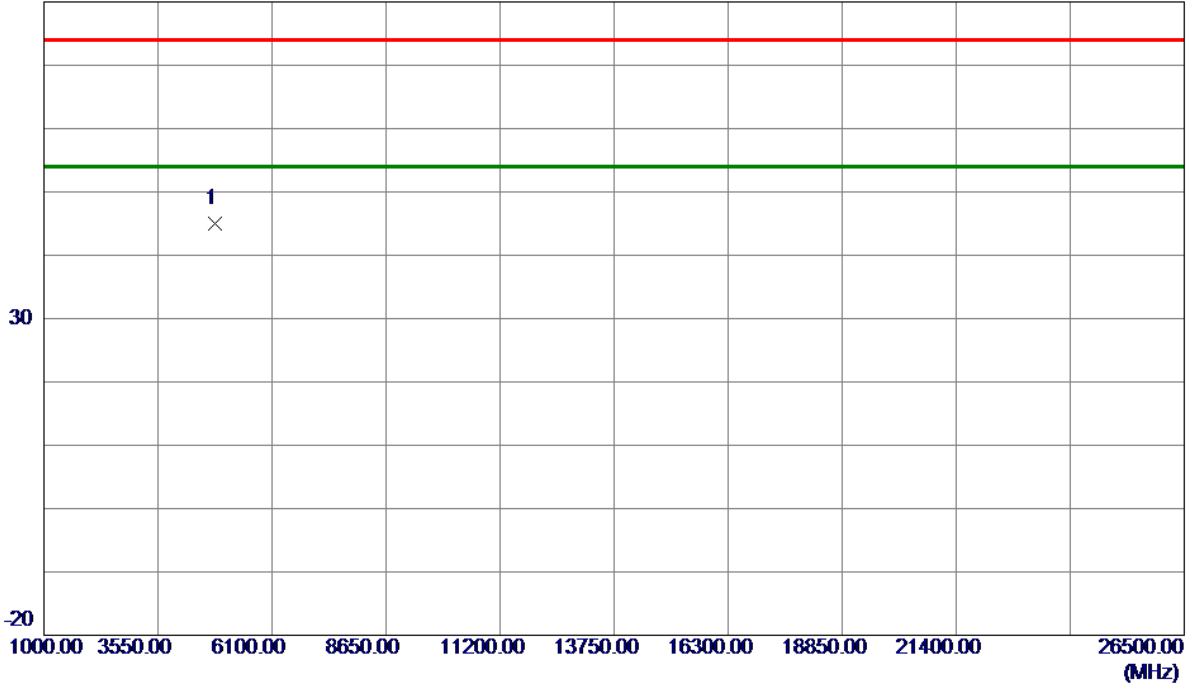
REMARKS:

- (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 *	4823.7250	55.94	-10.91	45.03	74.00	-28.97	Peak	

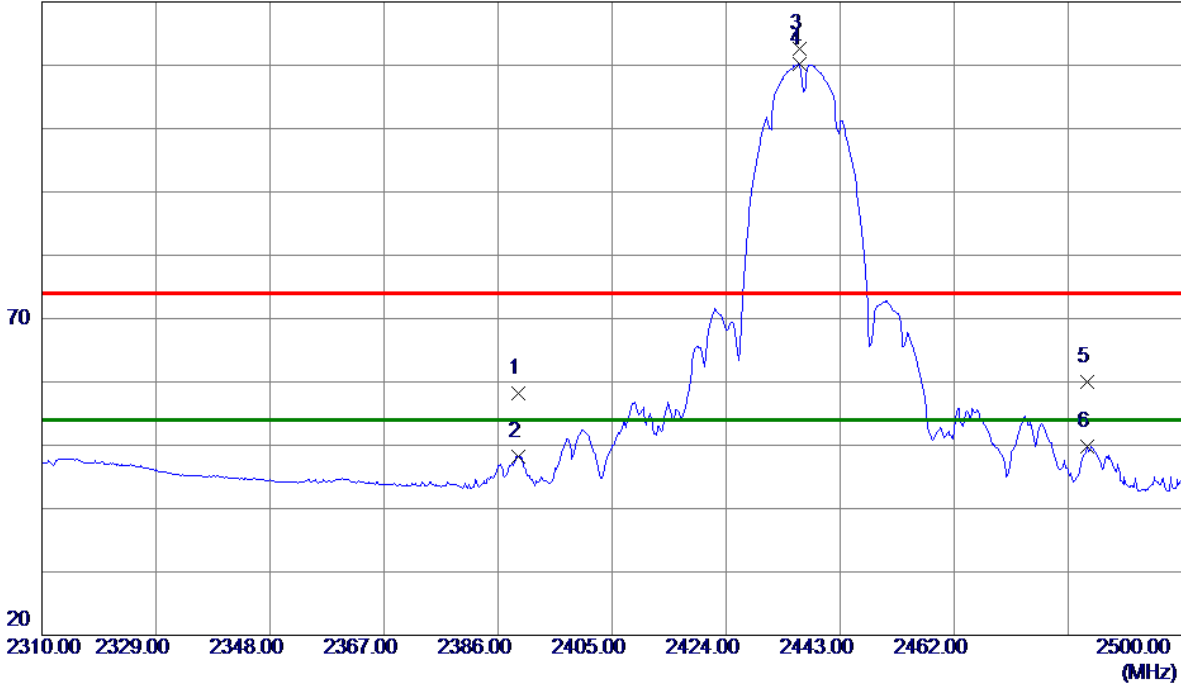
REMARKS:

- (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	2389.4200	26.50	31.74	58.24	74.00	-15.76	Peak	
2	2389.4200	16.54	31.74	48.28	54.00	-5.72	AVG	
3	2436.1600	80.94	31.72	112.66	74.00	38.66	Peak	
4 *	2436.1600	78.56	31.72	110.28	54.00	56.28	AVG	
5	2484.1350	28.34	31.71	60.05	74.00	-13.95	Peak	
6	2484.1350	18.02	31.71	49.73	54.00	-4.27	AVG	

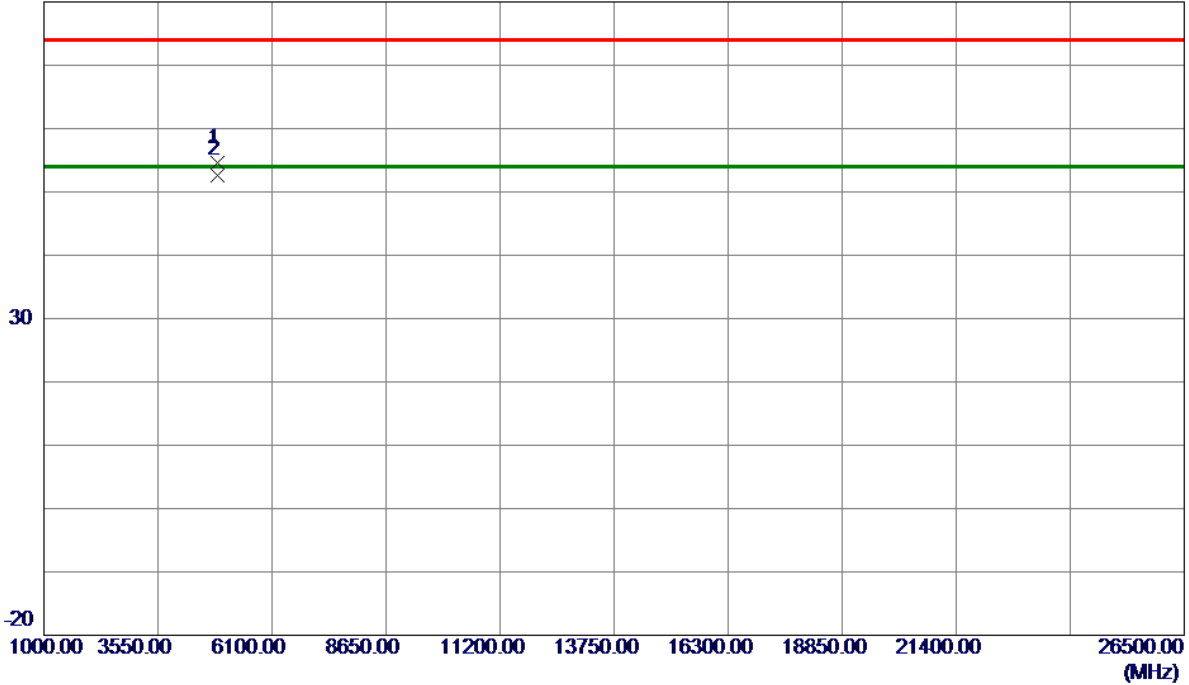
REMARKS:

- (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



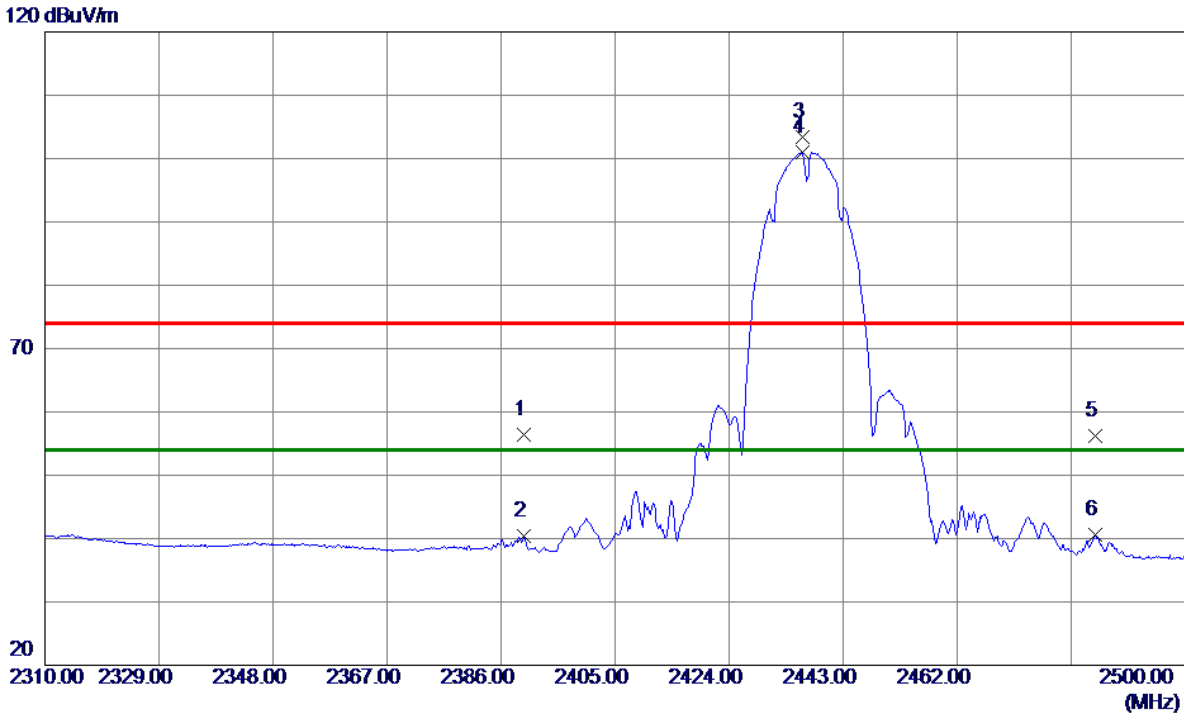
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.4500	65.44	-10.79	54.65	74.00	-19.35	Peak	
2 *	4874.0250	63.49	-10.79	52.70	54.00	-1.30	AVG	

REMARKS:

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

Test Mode: TX B Mode 2437 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2389.8000	24.64	31.74	56.38	74.00	-17.62	Peak	
2	2389.8000	8.58	31.74	40.32	54.00	-13.68	AVG	
3	2436.1600	71.69	31.72	103.41	74.00	29.41	Peak	
4 *	2436.1600	69.33	31.72	101.05	54.00	47.05	AVG	
5	2484.9900	24.48	31.71	56.19	74.00	-17.81	Peak	
6	2484.9900	8.94	31.71	40.65	54.00	-13.35	AVG	

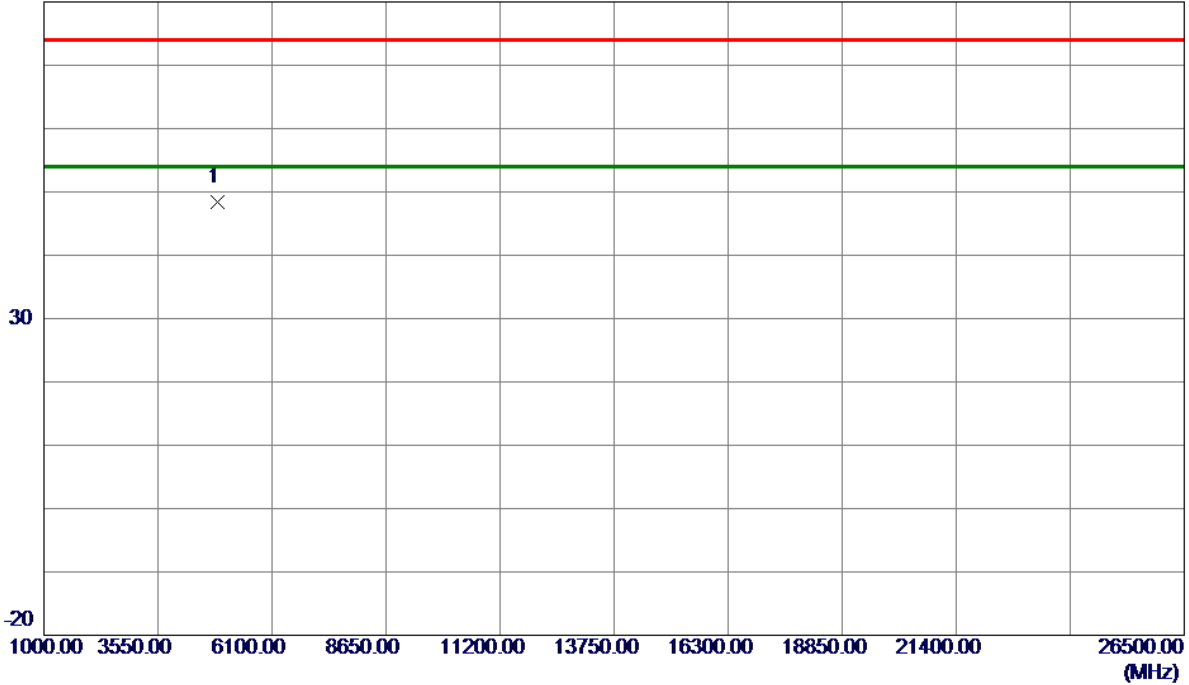
REMARKS:

- (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 *	4874.7250	59.28	-10.79	48.49	74.00	-25.51	Peak	

REMARKS:

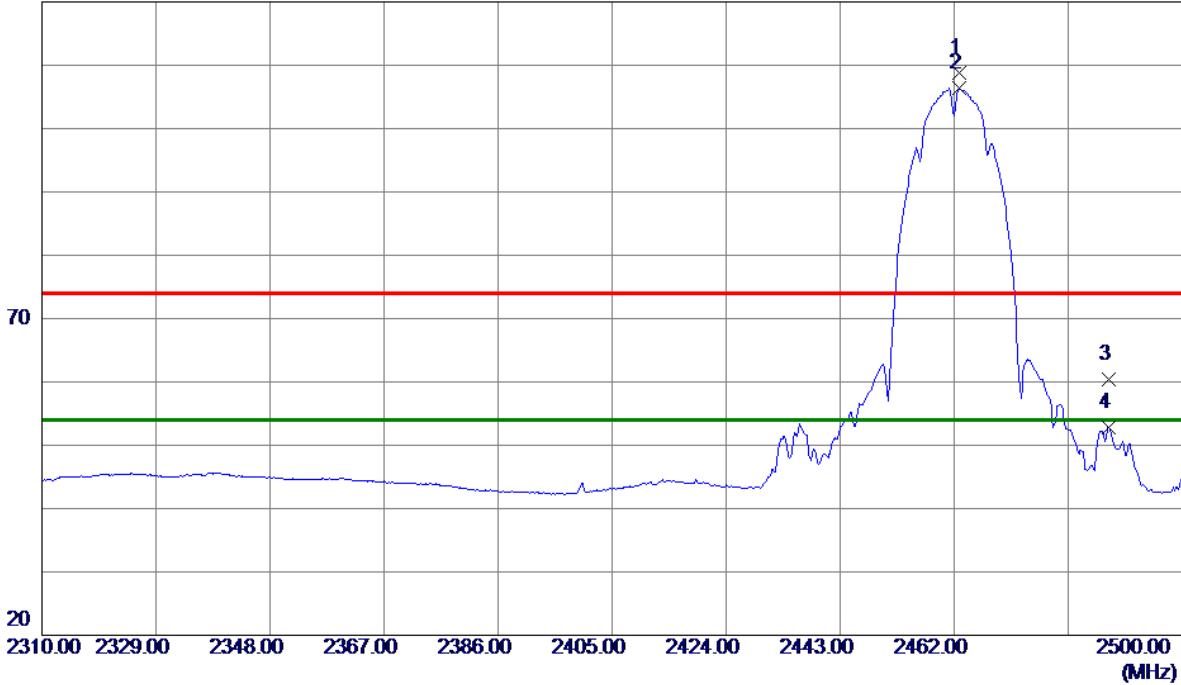
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode: TX B 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	2462.7600	77.05	31.71	108.76	74.00	34.76	Peak	
2 *	2462.7600	74.66	31.71	106.37	54.00	52.37	AVG	
3	2487.8400	28.69	31.71	60.40	74.00	-13.60	Peak	
4	2487.8400	21.17	31.71	52.88	54.00	-1.12	AVG	

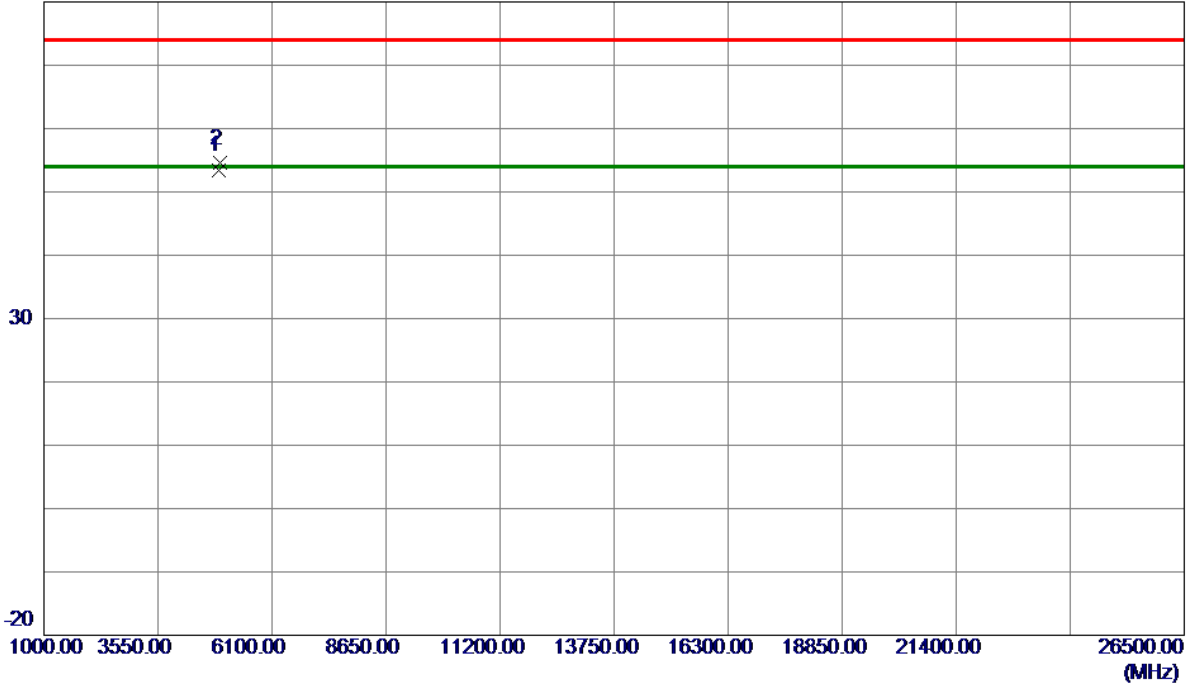
REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Vertical

80 dBuV/m



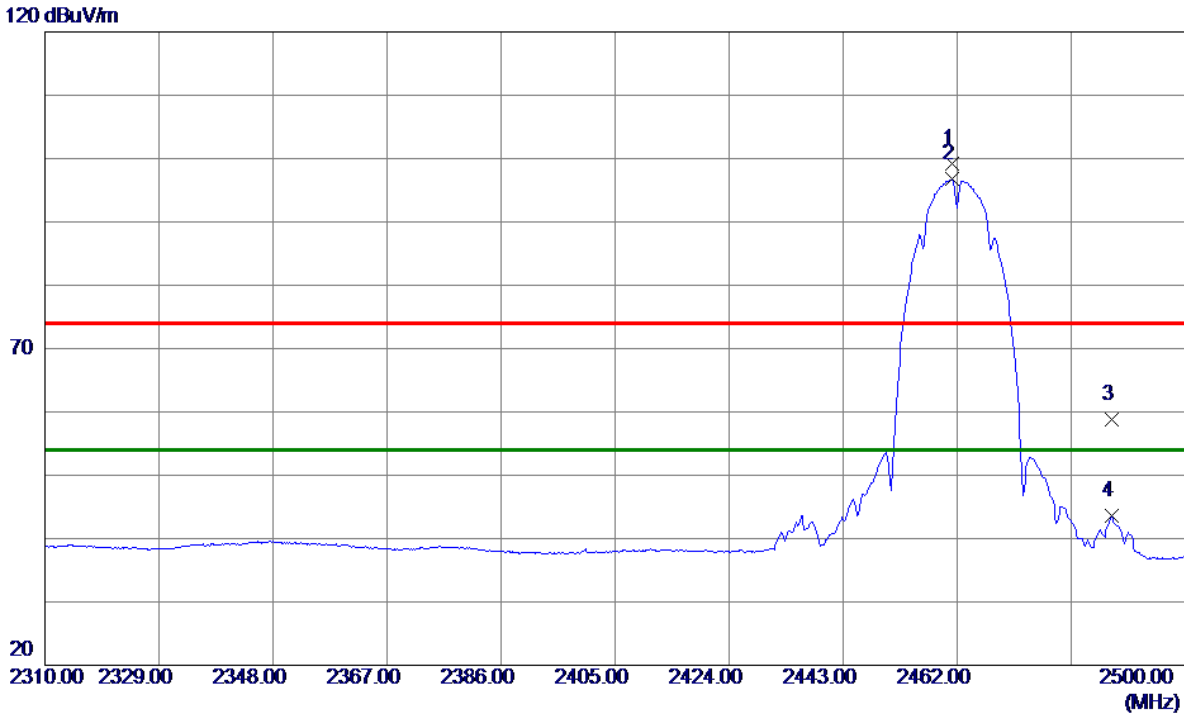
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4923.9850	64.04	-10.63	53.41	54.00	-0.59	AVG	
2	4924.4500	65.12	-10.62	54.50	74.00	-19.50	Peak	

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	2461.2400	67.51	31.71	99.22	74.00	25.22	Peak	
2 *	2461.2400	65.06	31.71	96.77	54.00	42.77	AVG	
3	2487.7450	27.12	31.71	58.83	74.00	-15.17	Peak	
4	2487.7450	11.83	31.71	43.54	54.00	-10.46	AVG	

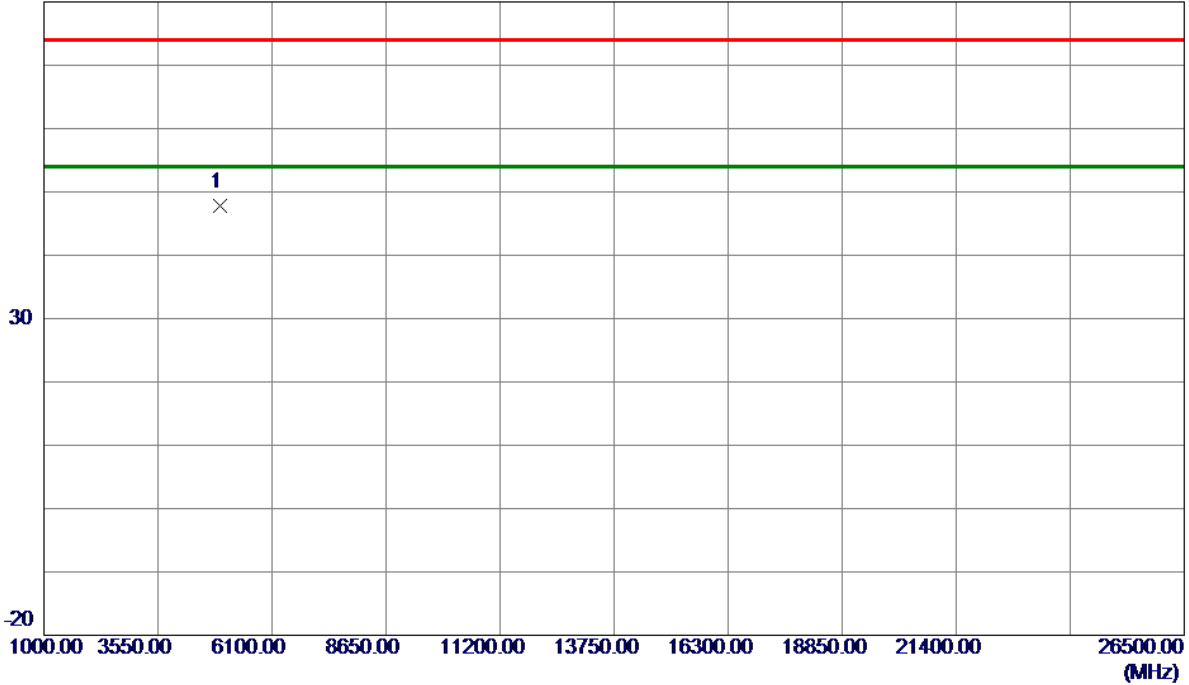
REMARKS:

- (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



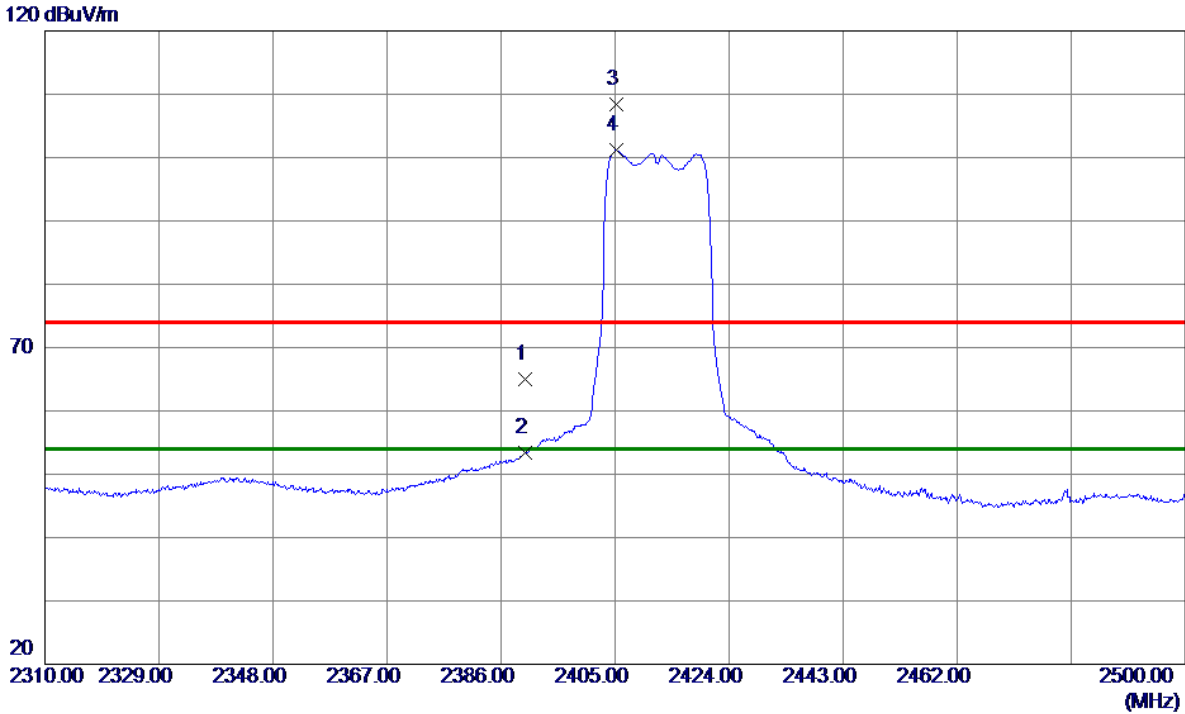
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.4500	58.32	-10.62	47.70	74.00	-26.30	Peak	

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	33.21	31.74	64.95	74.00	-9.05	Peak	
2	2390.0000	21.67	31.74	53.41	54.00	-0.59	AVG	
3	2405.2850	76.75	31.72	108.47	74.00	34.47	Peak	
4 *	2405.2850	69.47	31.72	101.19	54.00	47.19	AVG	

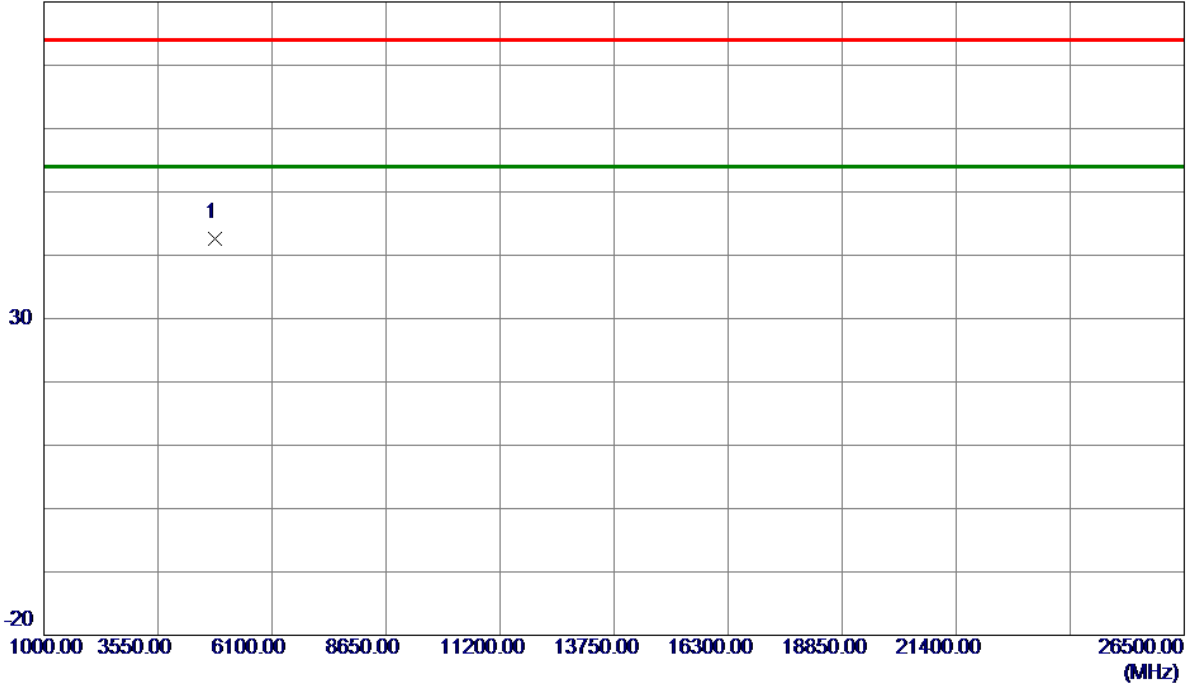
REMARKS:

- (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



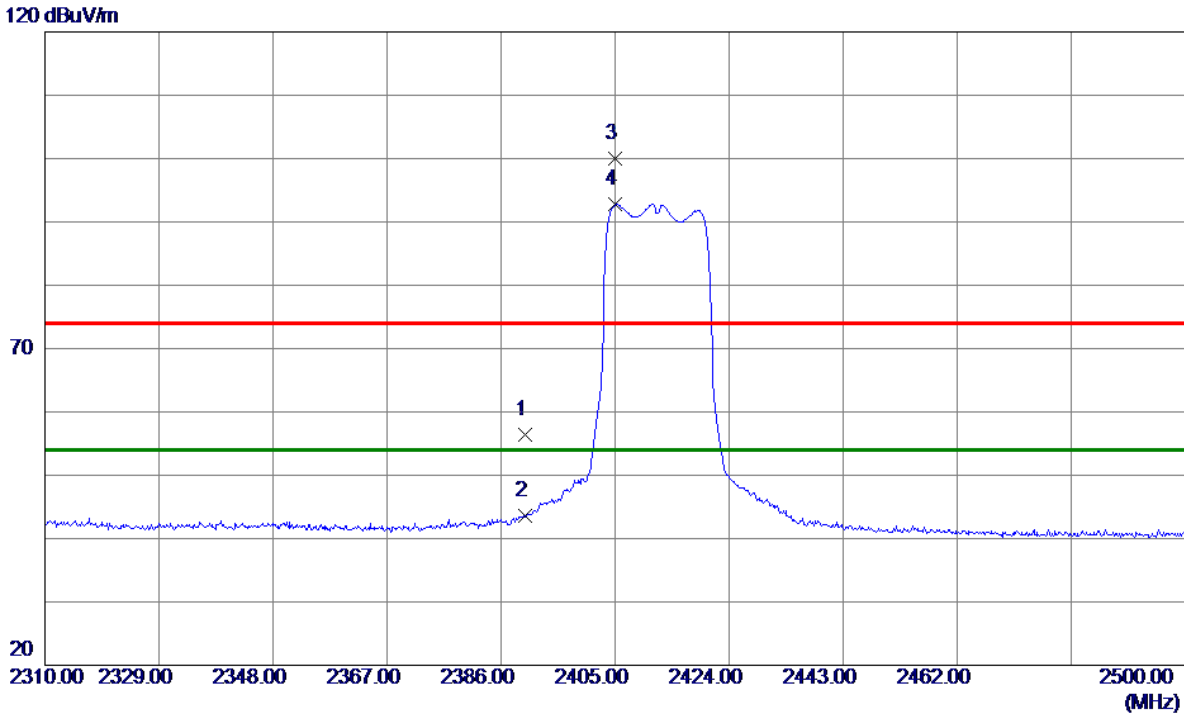
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4835.2000	53.58	-10.88	42.70	74.00	-31.30	Peak	

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	24.75	31.74	56.49	74.00	-17.51	Peak	
2	2390.0000	11.85	31.74	43.59	54.00	-10.41	AVG	
3	2405.0950	68.28	31.72	100.00	74.00	26.00	Peak	
4 *	2405.0950	61.11	31.72	92.83	54.00	38.83	AVG	

REMARKS:

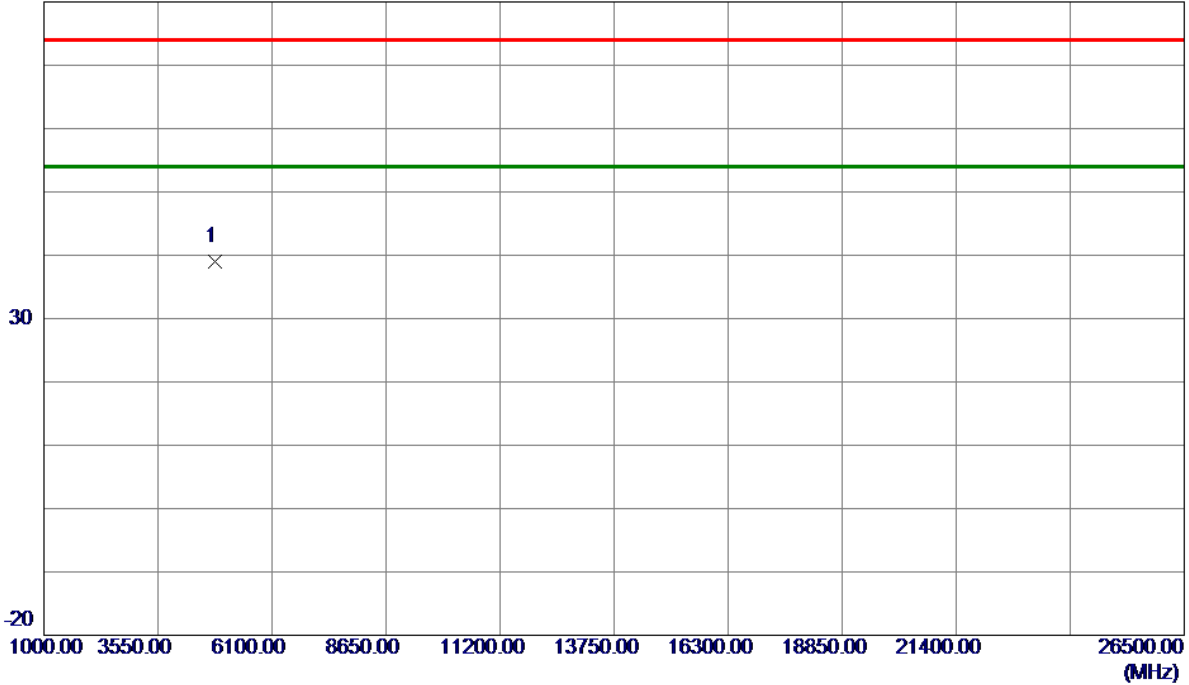
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode: TX G Mode 2412 MHz

Horizontal

80 dBuV/m



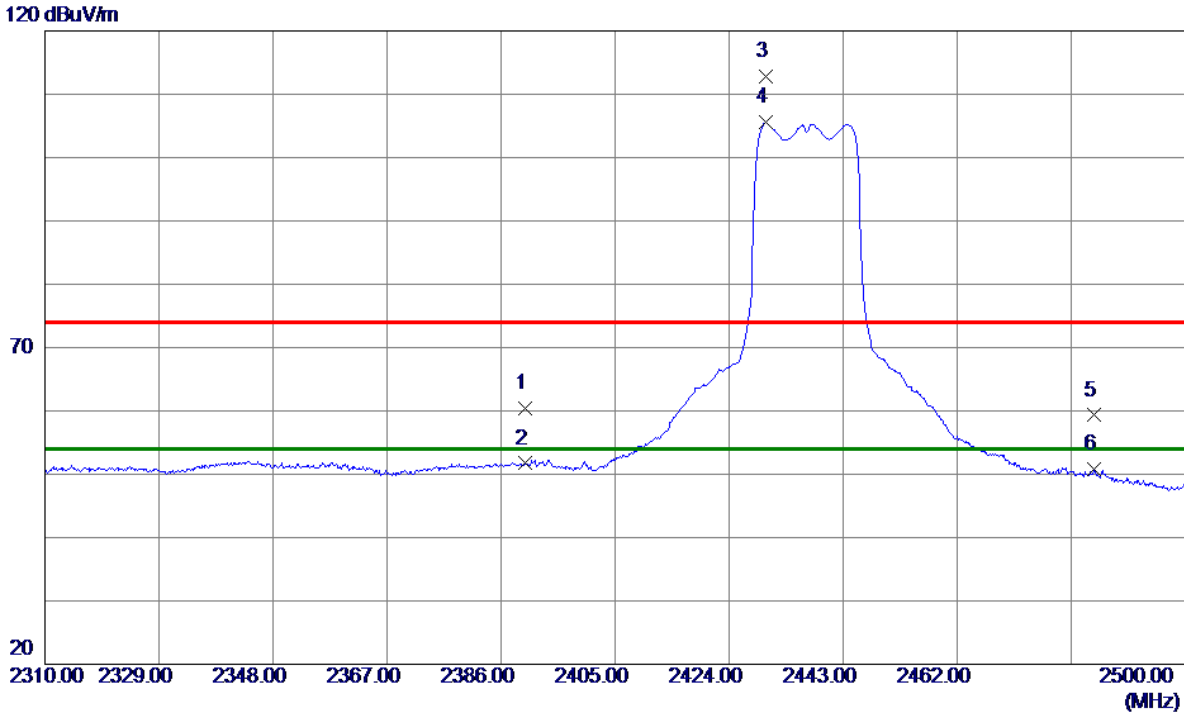
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0000	49.99	-10.91	39.08	74.00	-34.92	Peak	

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	28.61	31.74	60.35	74.00	-13.65	Peak	
2	2390.0000	19.96	31.74	51.70	54.00	-2.30	AVG	
3	2430.1750	80.99	31.72	112.71	74.00	38.71	Peak	
4 *	2430.1750	73.81	31.72	105.53	54.00	51.53	AVG	
5	2484.8000	27.59	31.71	59.30	74.00	-14.70	Peak	
6	2484.8000	19.06	31.71	50.77	54.00	-3.23	AVG	

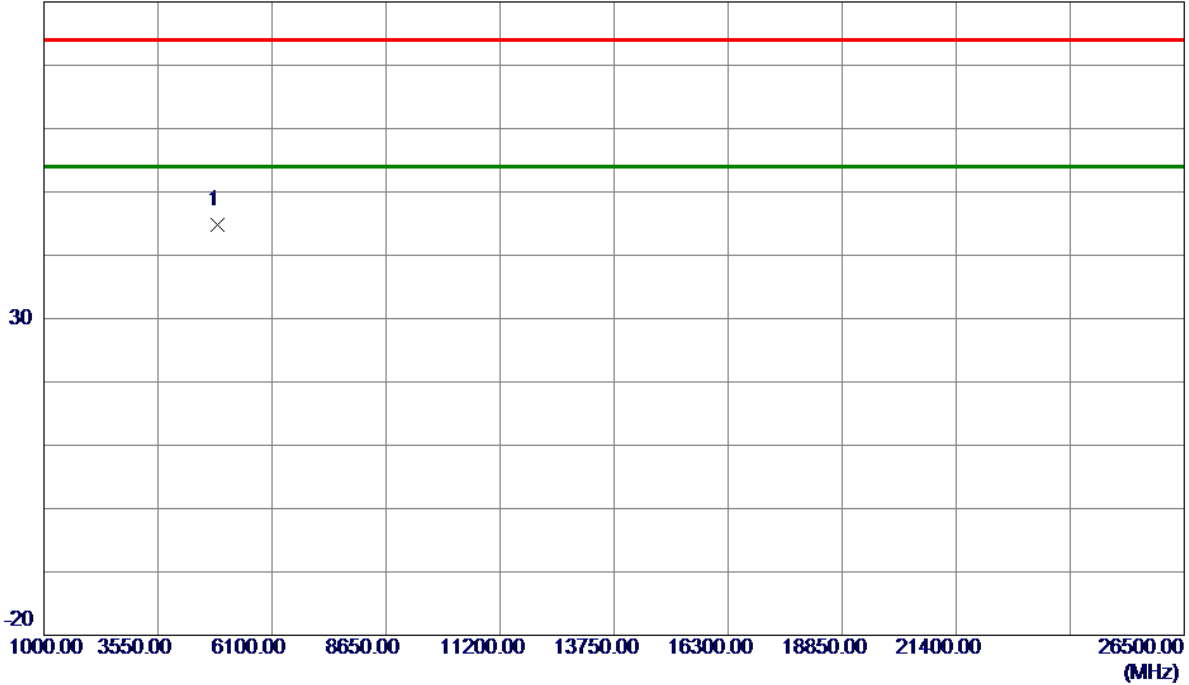
REMARKS:

- (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



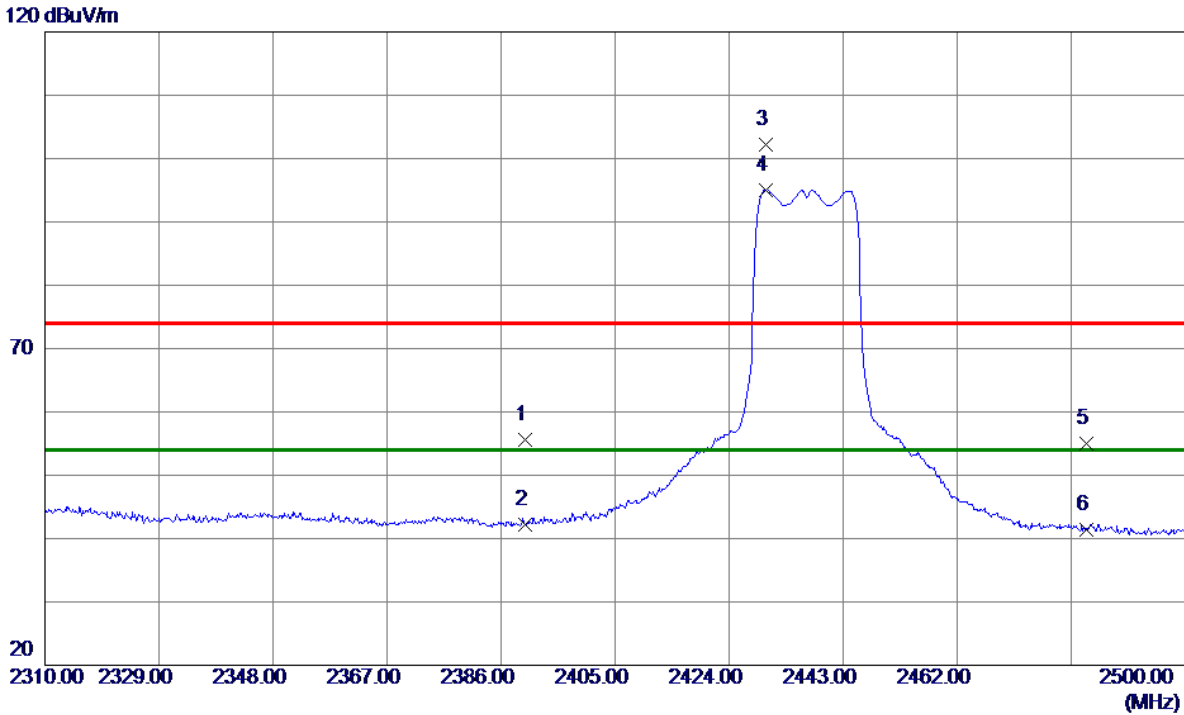
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4872.1750	55.57	-10.80	44.77	74.00	-29.23	Peak	

REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.80	31.74	55.54	74.00	-18.46	Peak	
2	2390.0000	10.40	31.74	42.14	54.00	-11.86	AVG	
3	2430.0800	70.52	31.72	102.24	74.00	28.24	Peak	
4 *	2430.0800	63.34	31.72	95.06	54.00	41.06	AVG	
5	2483.5000	23.28	31.71	54.99	74.00	-19.01	Peak	
6	2483.5000	9.62	31.71	41.33	54.00	-12.67	AVG	

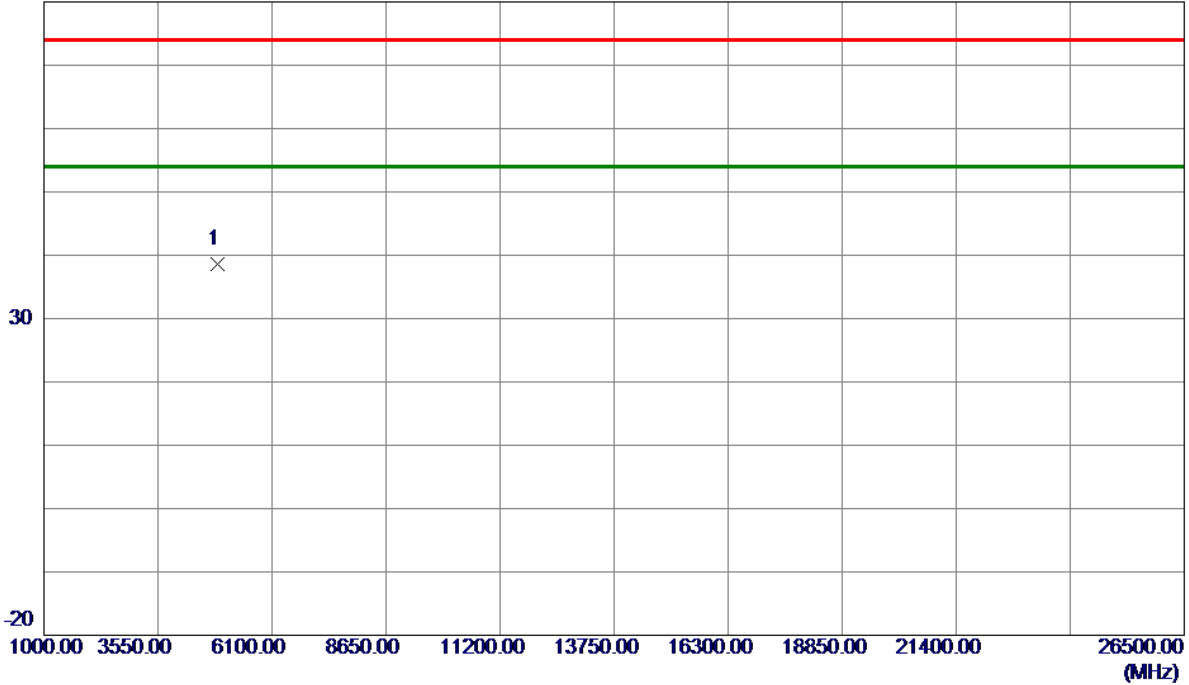
REMARKS:

- (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



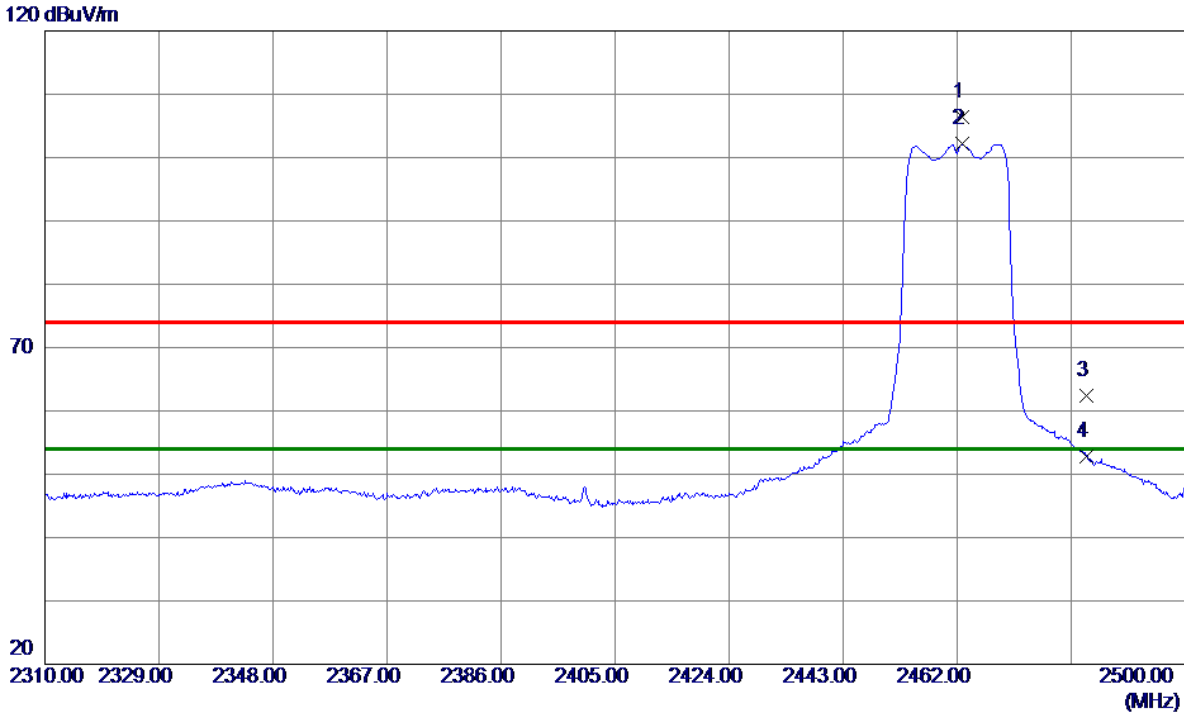
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	49.46	-10.79	38.67	74.00	-35.33	Peak	

REMARKS:

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

Test Mode: TX G 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	2462.9500	74.77	31.71	106.48	74.00	32.48	Peak	
2 *	2462.9500	70.40	31.71	102.11	54.00	48.11	AVG	
3	2483.5000	30.60	31.71	62.31	74.00	-11.69	Peak	
4	2483.5000	21.06	31.71	52.77	54.00	-1.23	AVG	

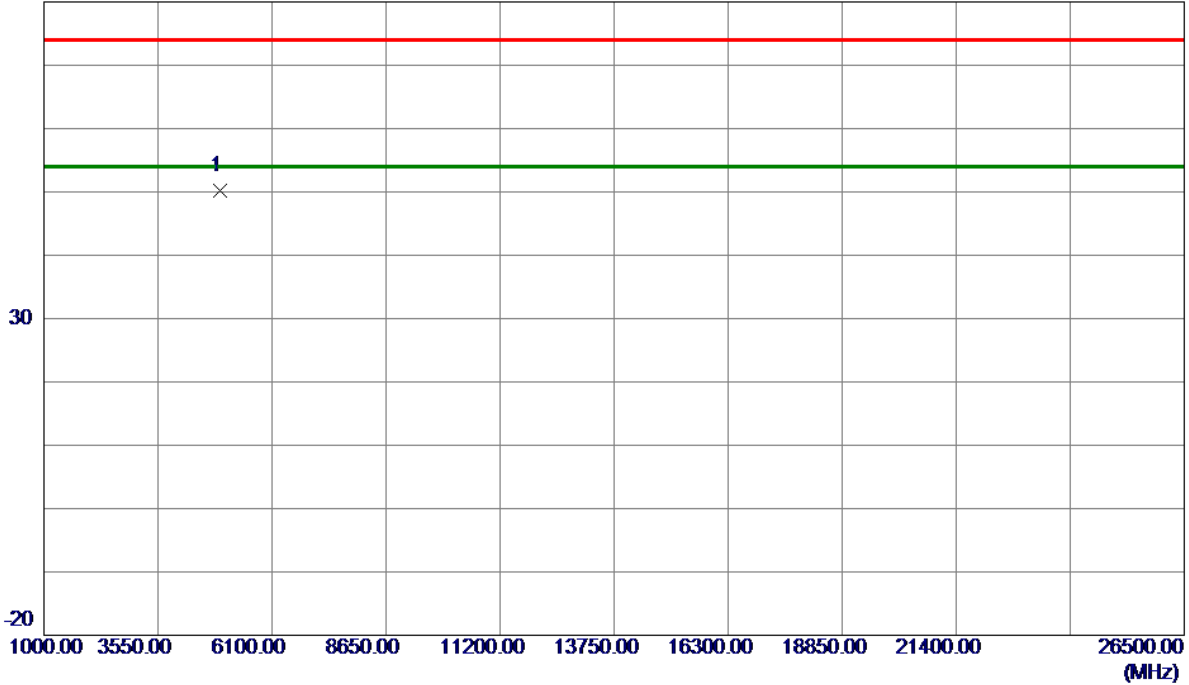
REMARKS:

- (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



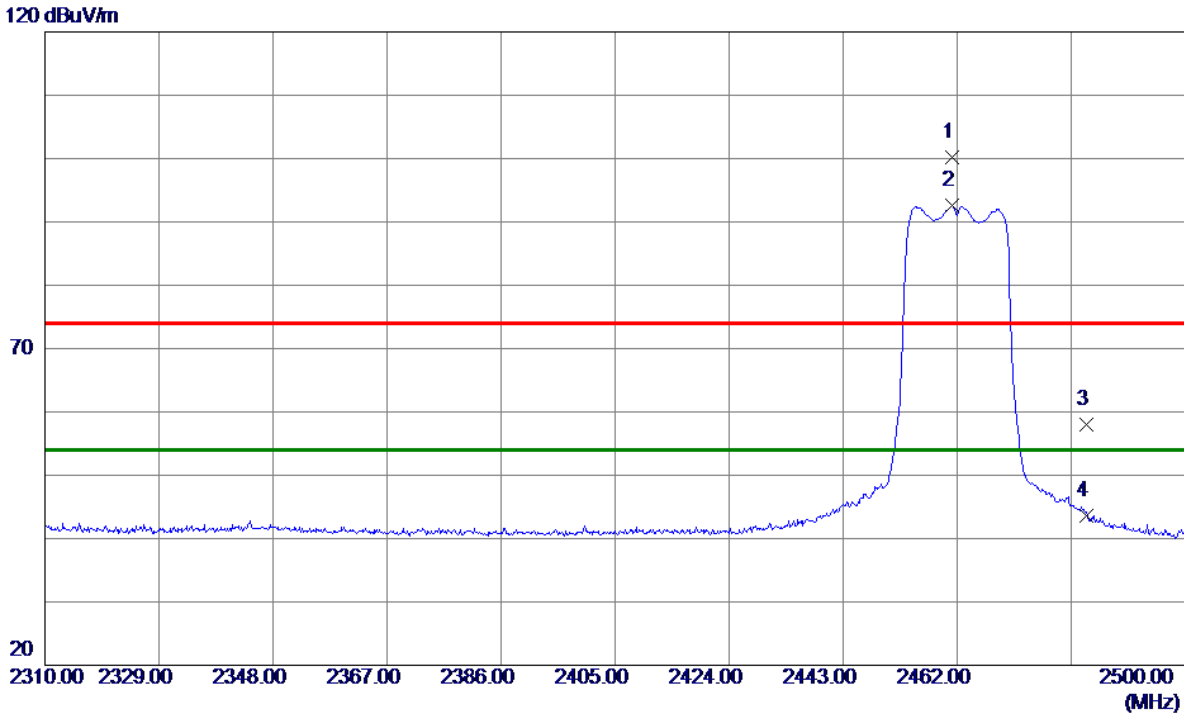
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.4500	60.74	-10.62	50.12	74.00	-23.88	Peak	

REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.2400	68.45	31.71	100.16	74.00	26.16	Peak	
2 *	2461.2400	60.88	31.71	92.59	54.00	38.59	AVG	
3	2483.5000	26.34	31.71	58.05	74.00	-15.95	Peak	
4	2483.5000	11.92	31.71	43.63	54.00	-10.37	AVG	

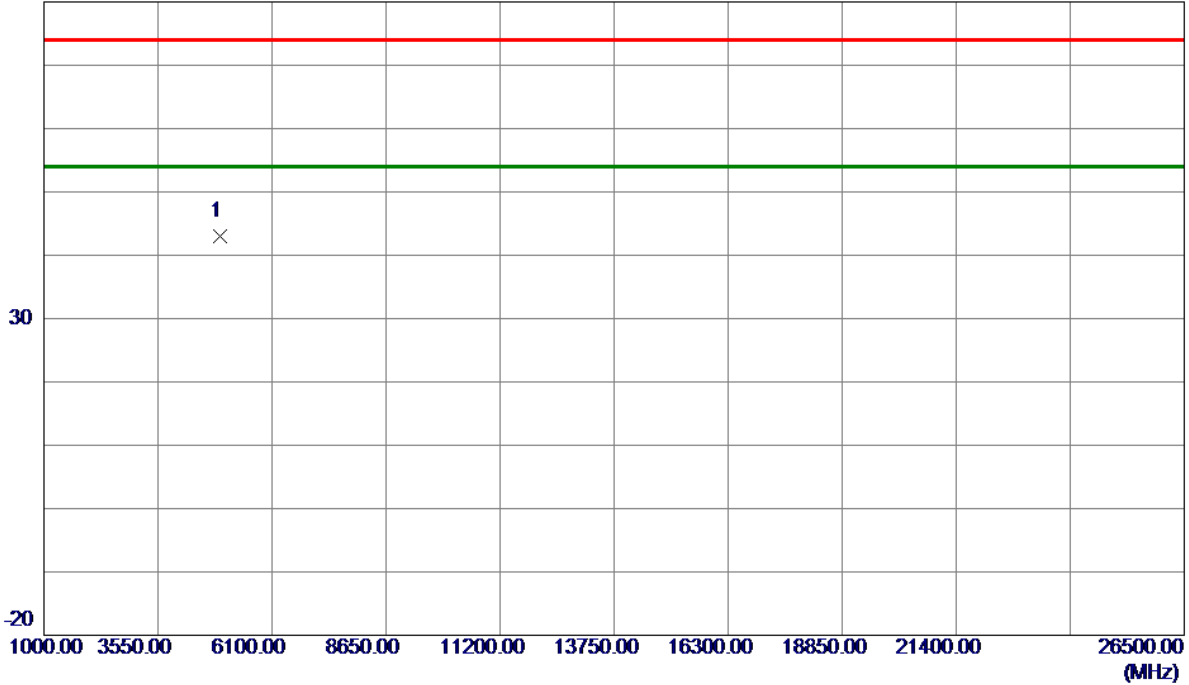
REMARKS:

- (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



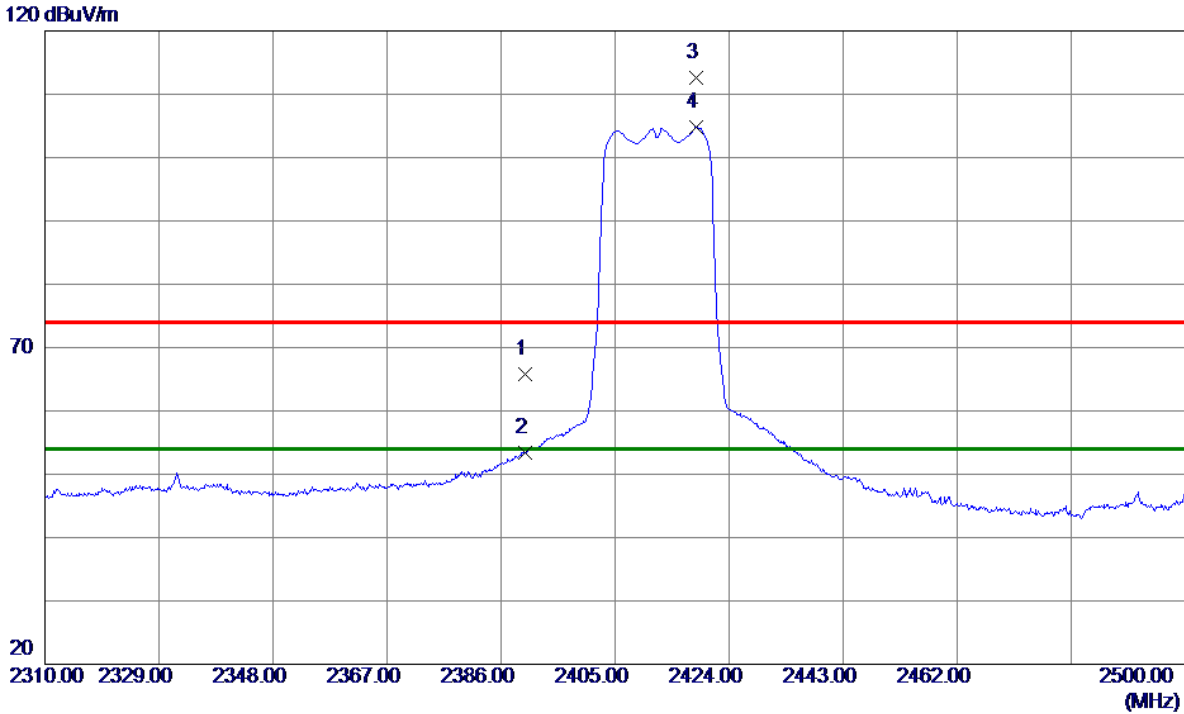
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.4500	53.57	-10.62	42.95	74.00	-31.05	Peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	34.08	31.74	65.82	74.00	-8.18	Peak	
2	2390.0000	21.69	31.74	53.43	54.00	-0.57	AVG	
3	2418.5850	80.91	31.72	112.63	74.00	38.63	Peak	
4 *	2418.5850	73.04	31.72	104.76	54.00	50.76	AVG	

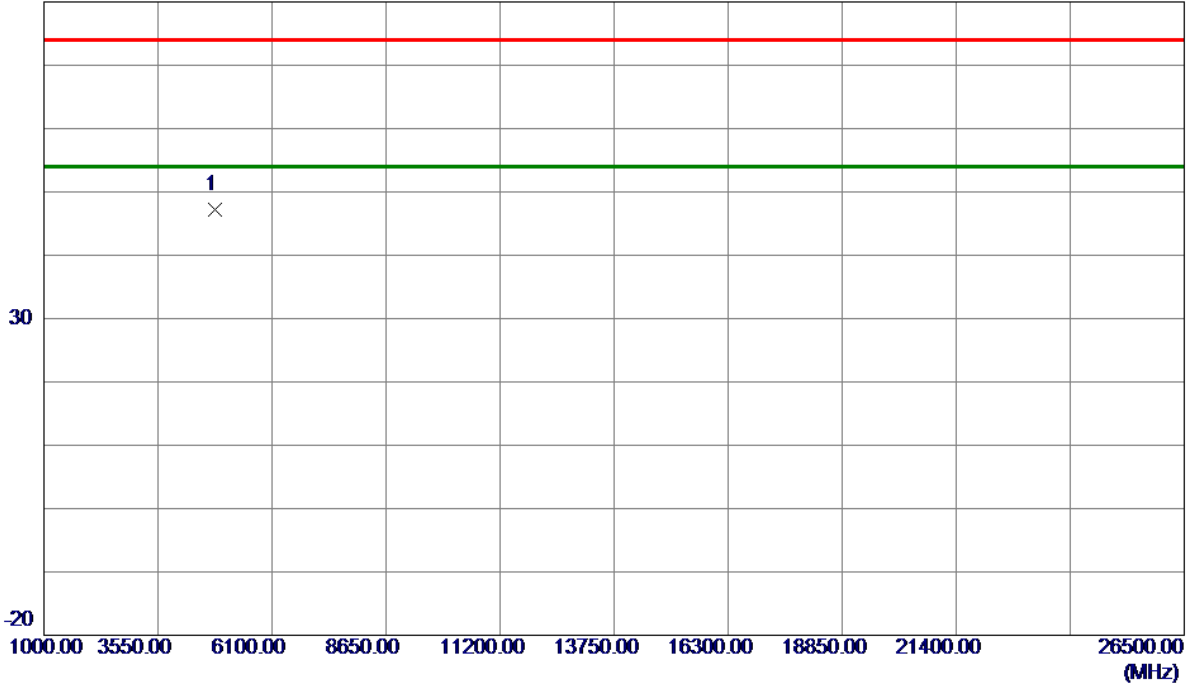
REMARKS:

- (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



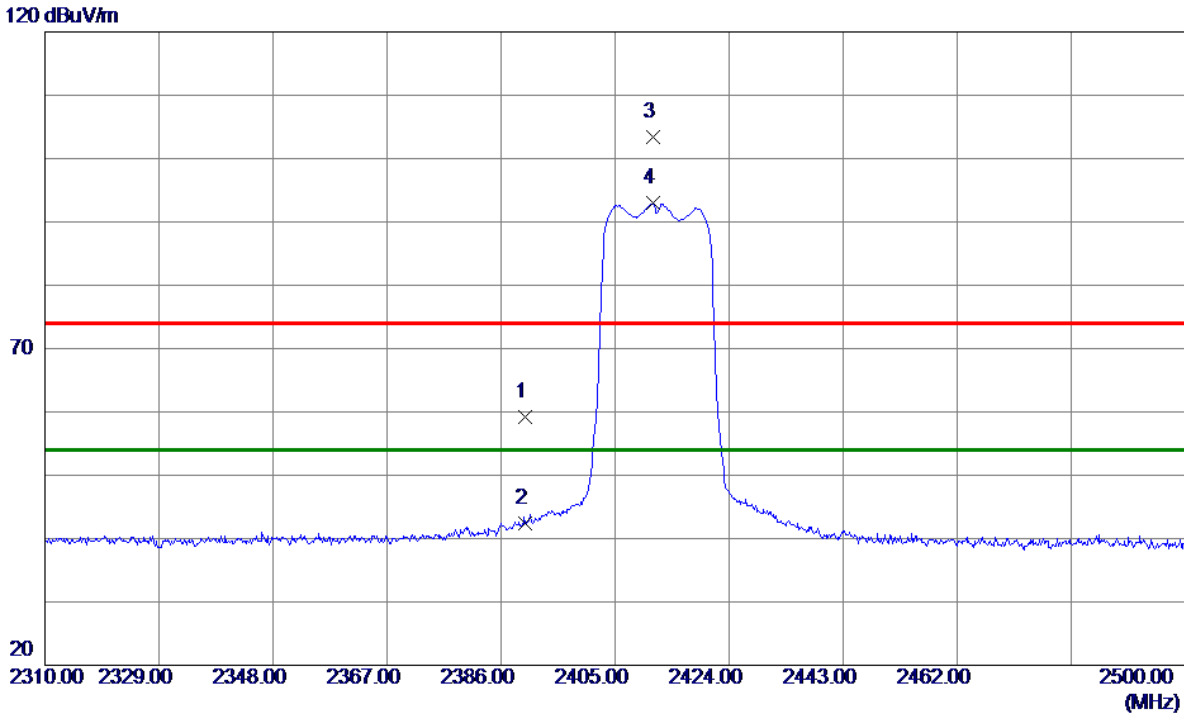
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4818.6250	58.21	-10.92	47.29	74.00	-26.71	Peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	27.46	31.74	59.20	74.00	-14.80	Peak	
2	2390.0000	10.73	31.74	42.47	54.00	-11.53	AVG	
3	2411.2700	71.73	31.72	103.45	74.00	29.45	Peak	
4 *	2411.2700	61.23	31.72	92.95	54.00	38.95	AVG	

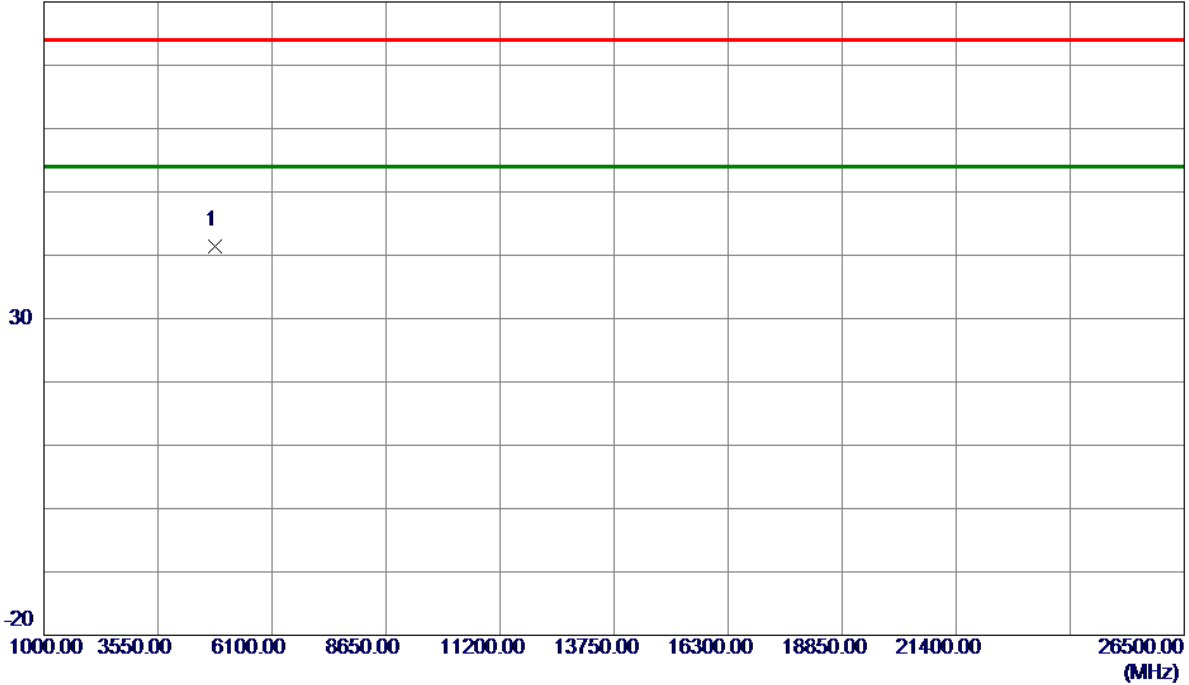
REMARKS:

- (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



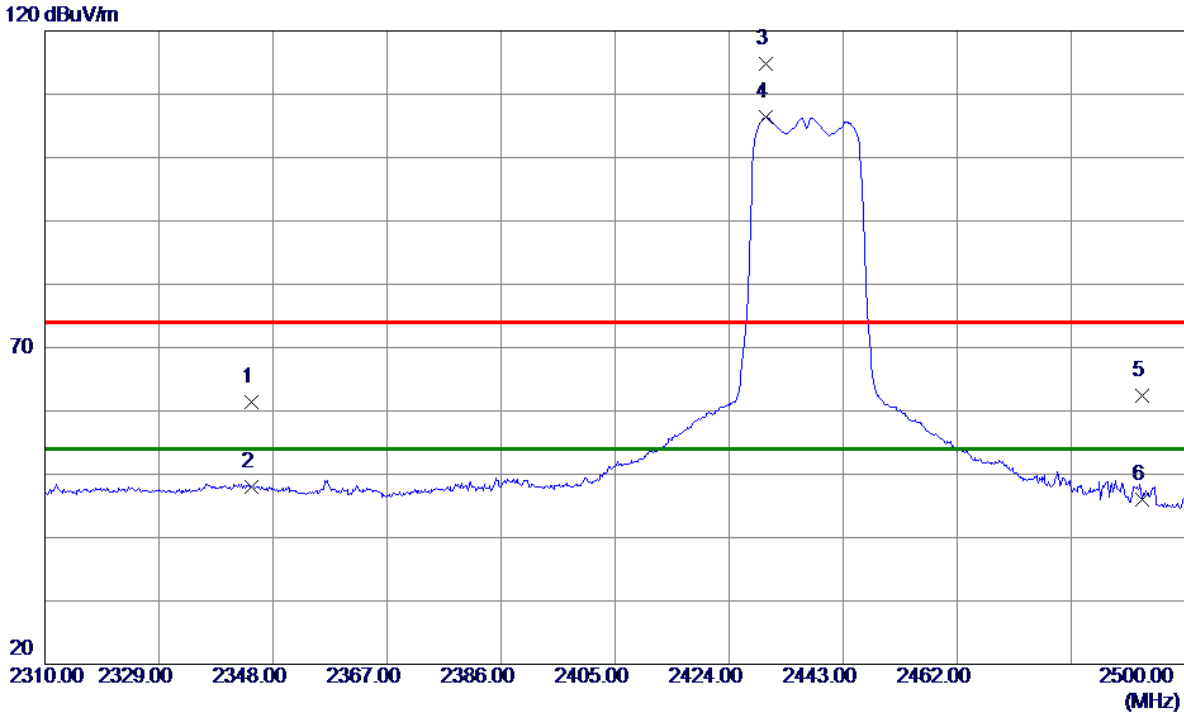
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4832.6500	52.39	-10.89	41.50	74.00	-32.50	Peak	

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	2344.3899	29.49	31.83	61.32	74.00	-12.68	Peak	
2	2344.3899	16.16	31.83	47.99	54.00	-6.01	AVG	
3	2430.1750	83.09	31.72	114.81	74.00	40.81	Peak	
4 *	2430.1750	74.65	31.72	106.37	54.00	52.37	AVG	
5	2492.8750	30.61	31.71	62.32	74.00	-11.68	Peak	
6	2492.8750	14.26	31.71	45.97	54.00	-8.03	AVG	

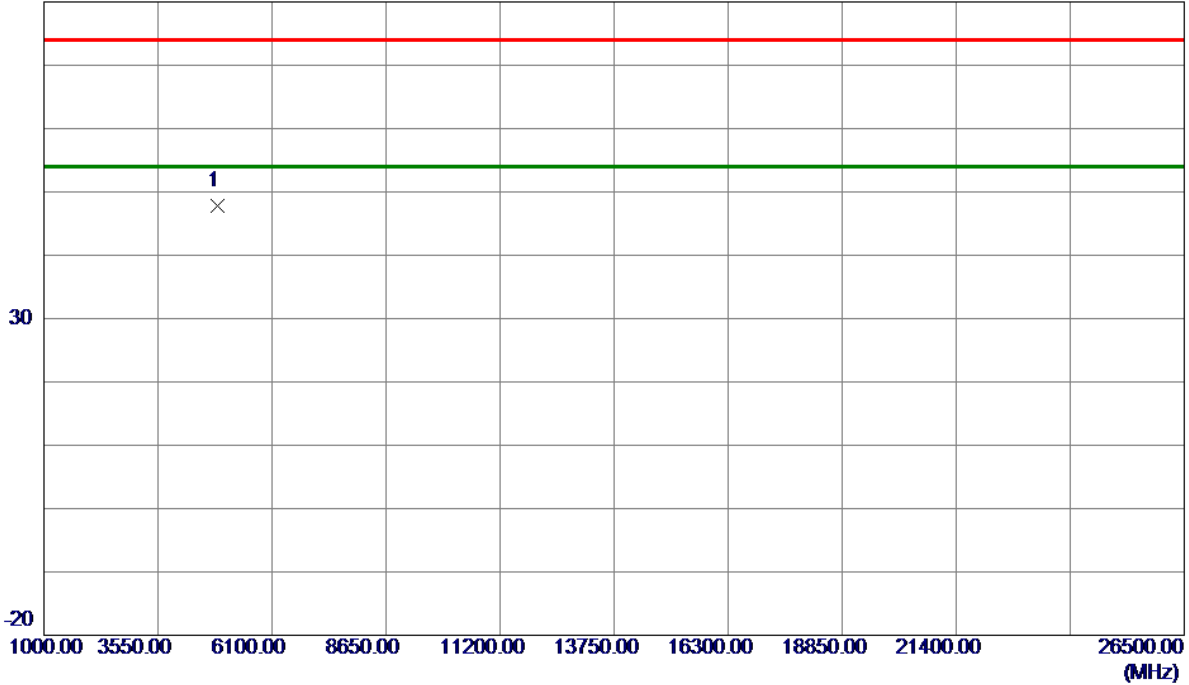
REMARKS:

- (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



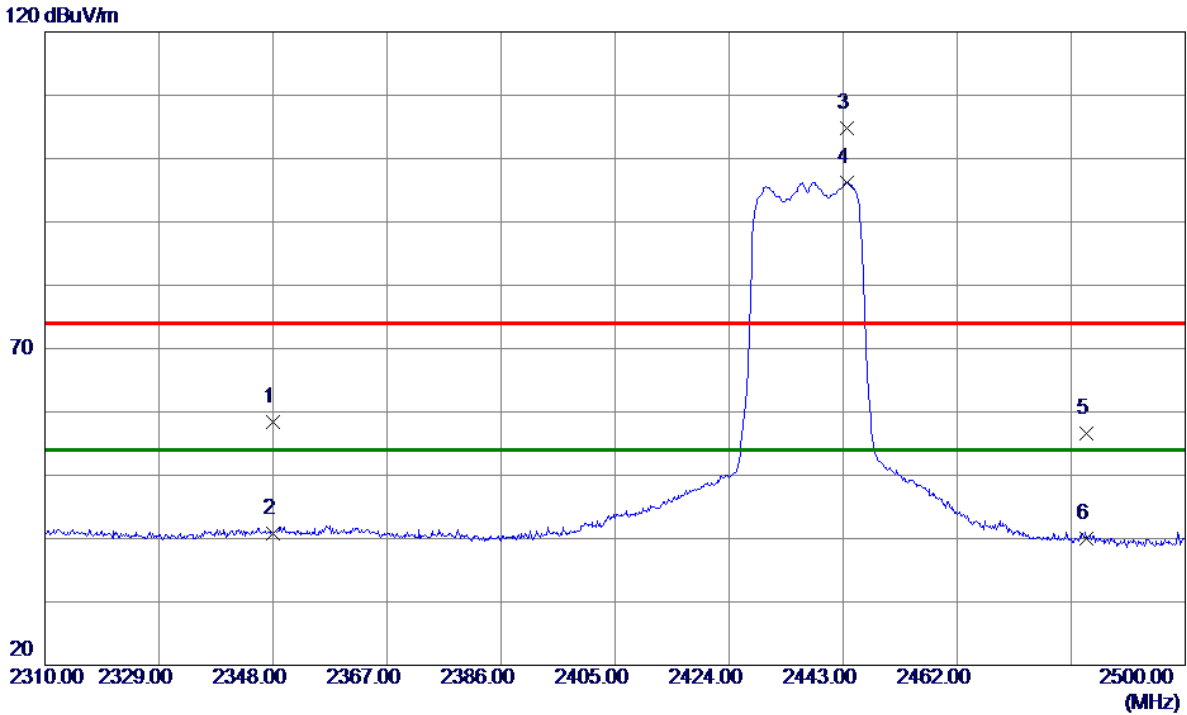
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4869.6250	58.62	-10.80	47.82	74.00	-26.18	Peak	

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	2348.0000	26.50	31.82	58.32	74.00	-15.68	Peak	
2	2348.0000	8.94	31.82	40.76	54.00	-13.24	AVG	
3	2443.5700	73.03	31.72	104.75	74.00	30.75	Peak	
4 *	2443.5700	64.52	31.72	96.24	54.00	42.24	AVG	
5	2483.5000	24.83	31.71	56.54	74.00	-17.46	Peak	
6	2483.5000	8.26	31.71	39.97	54.00	-14.03	AVG	

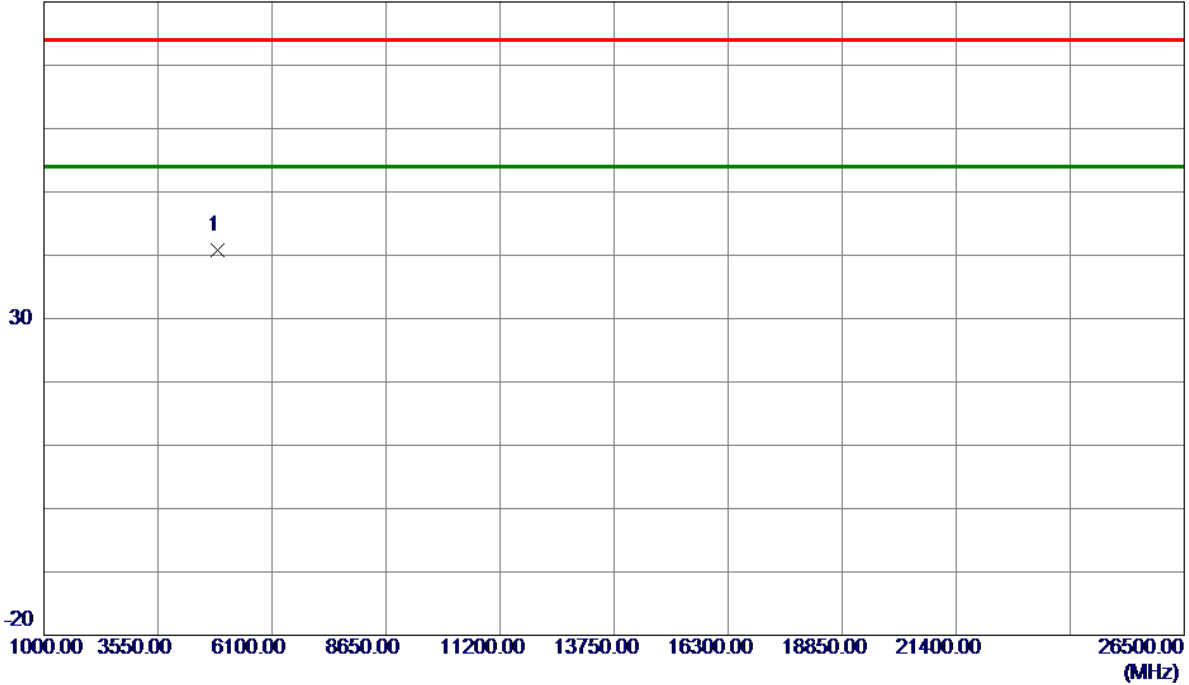
REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Horizontal

80 dBuV/m



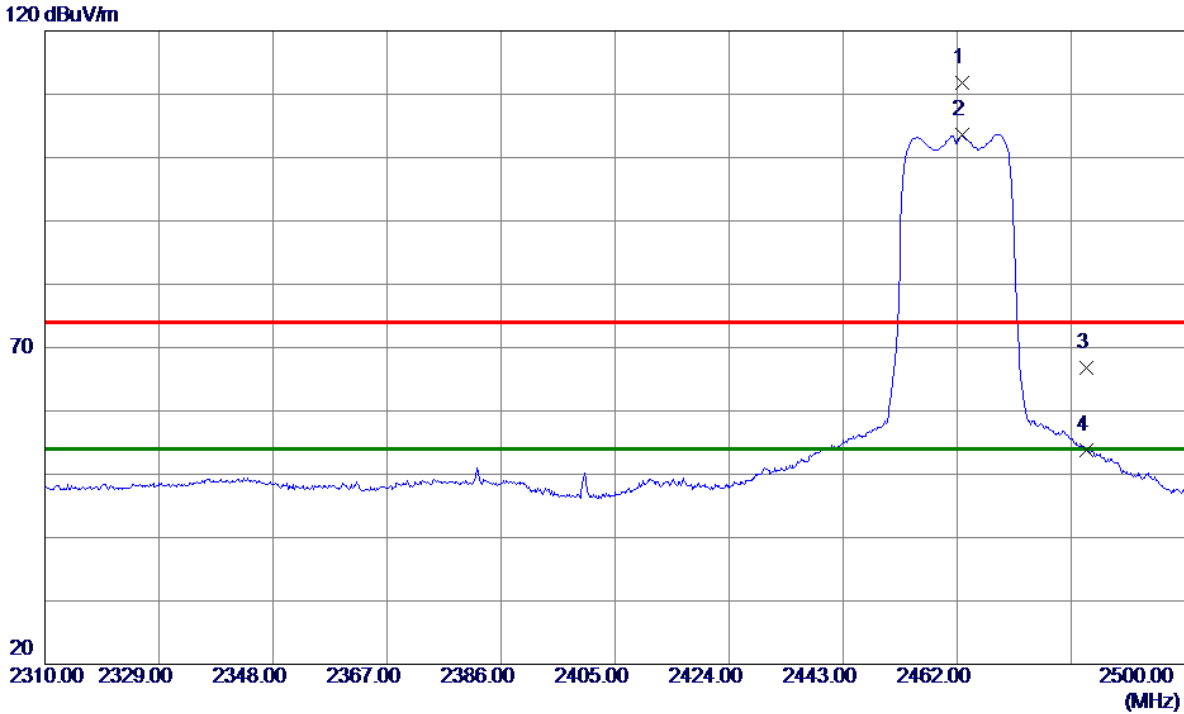
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.7250	51.51	-10.79	40.72	74.00	-33.28	Peak	

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	2462.8550	80.01	31.71	111.72	74.00	37.72	Peak	
2 *	2462.8550	71.91	31.71	103.62	54.00	49.62	AVG	
3	2483.5000	35.01	31.71	66.72	74.00	-7.28	Peak	
4	2483.5000	22.05	31.71	53.76	54.00	-0.24	AVG	

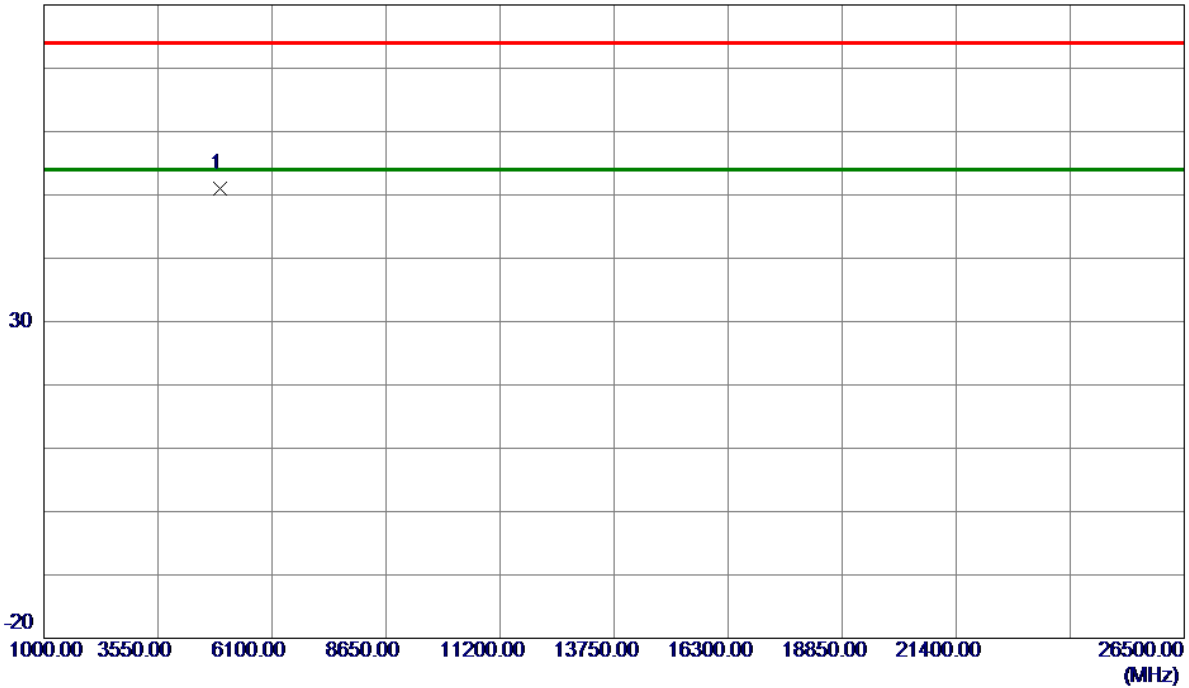
REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Vertical

80 dBuV/m



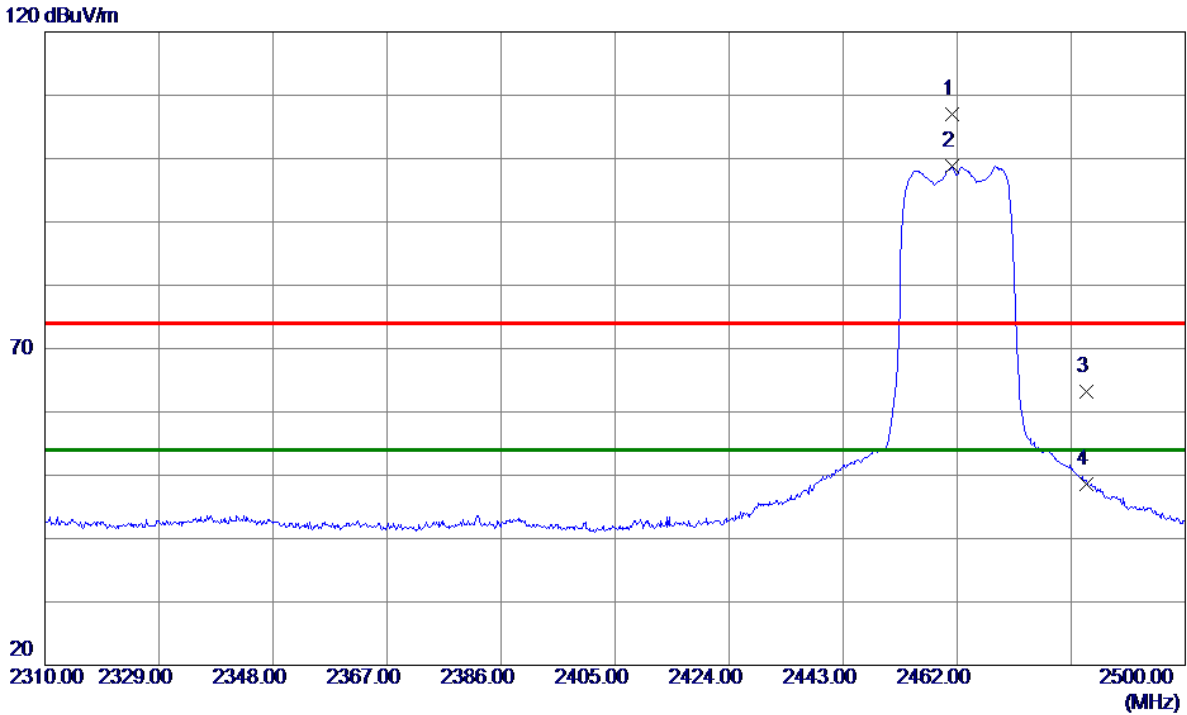
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4928.2750	61.57	-10.61	50.96	74.00	-23.04	Peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.1450	75.31	31.71	107.02	74.00	33.02	Peak	
2 *	2461.1450	67.02	31.71	98.73	54.00	44.73	AVG	
3	2483.5000	31.54	31.71	63.25	74.00	-10.75	Peak	
4	2483.5000	16.85	31.71	48.56	54.00	-5.44	AVG	

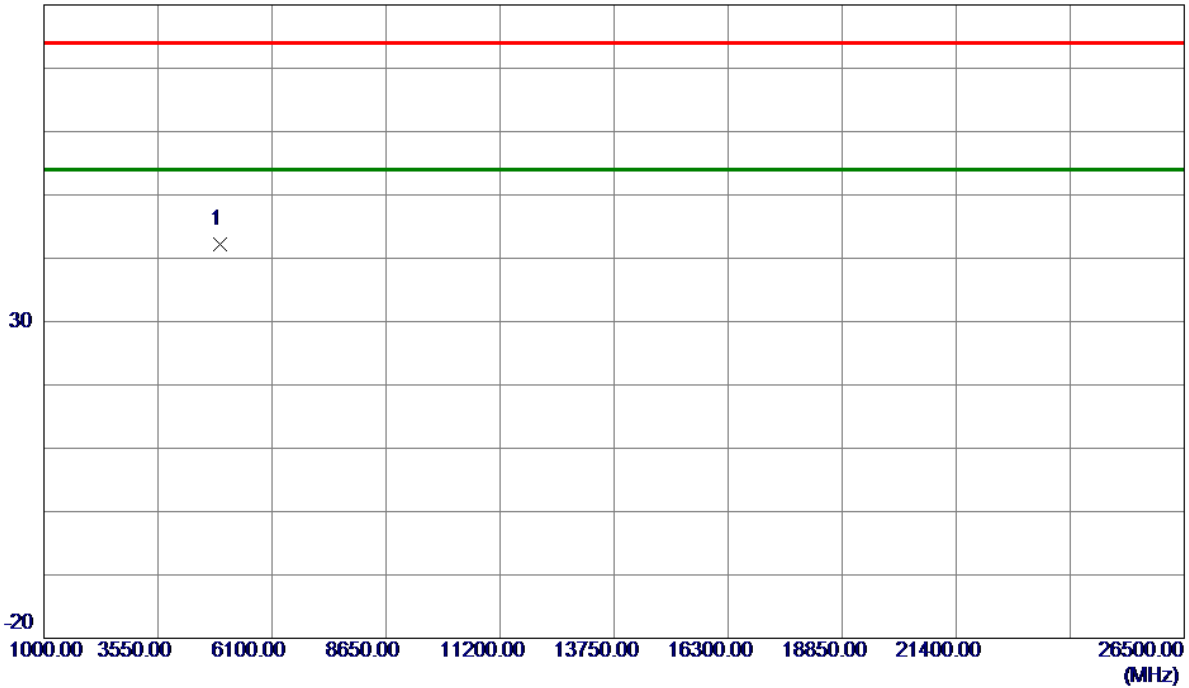
REMARKS:

- (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



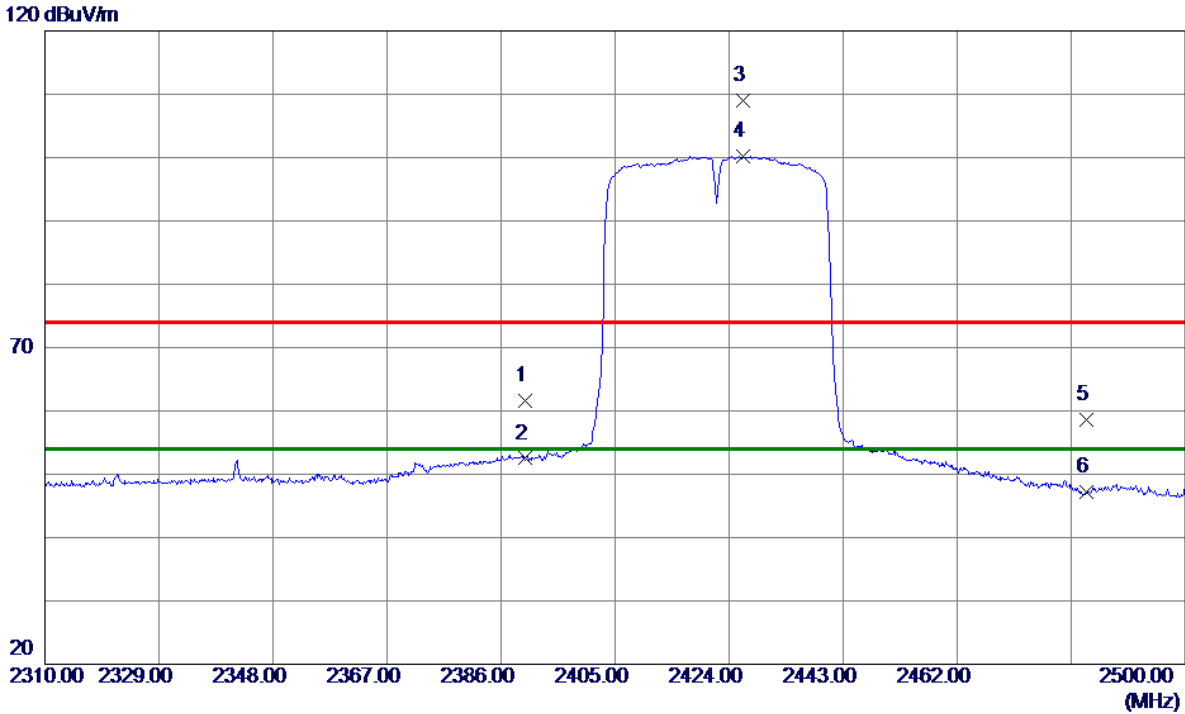
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4927.0000	52.76	-10.61	42.15	74.00	-31.85	Peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2422MHz

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	29.78	31.74	61.52	74.00	-12.48	Peak	
2	2390.0000	20.76	31.74	52.50	54.00	-1.50	AVG	
3	2426.3750	77.34	31.72	109.06	74.00	35.06	Peak	
4 *	2426.3750	68.48	31.72	100.20	54.00	46.20	AVG	
5	2483.5000	26.81	31.71	58.52	74.00	-15.48	Peak	
6	2483.5000	15.56	31.71	47.27	54.00	-6.73	AVG	

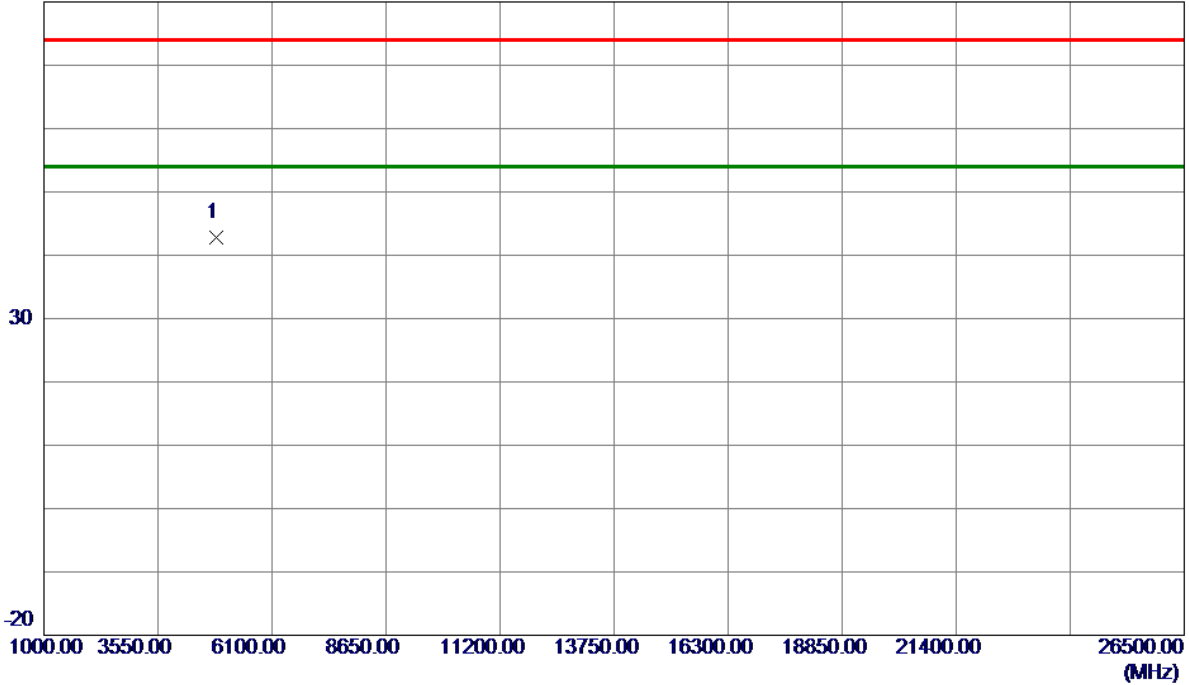
REMARKS:

- (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



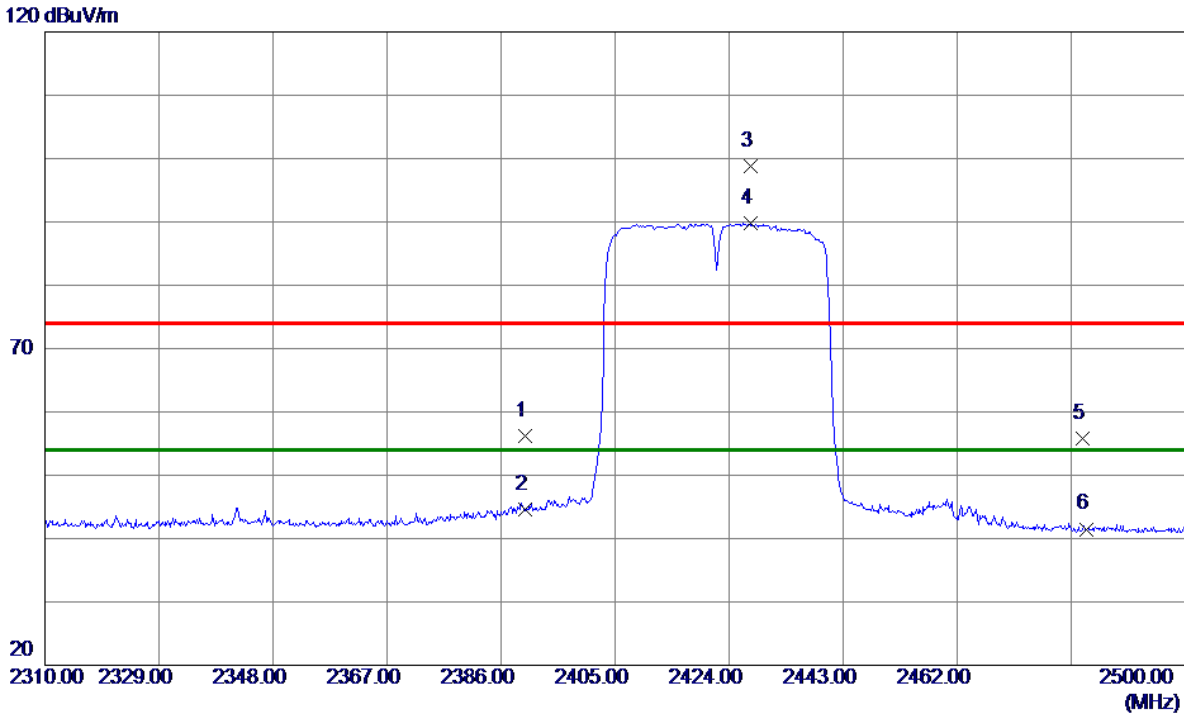
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4842.8500	53.70	-10.86	42.84	74.00	-31.16	Peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2422MHz

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	24.39	31.74	56.13	74.00	-17.87	Peak	
2	2390.0000	12.79	31.74	44.53	54.00	-9.47	AVG	
3	2427.5149	67.00	31.72	98.72	74.00	24.72	Peak	
4 *	2427.5149	58.06	31.72	89.78	54.00	35.78	AVG	
5	2483.0000	24.06	31.71	55.77	74.00	-18.23	Peak	
6	2483.5000	9.79	31.71	41.50	54.00	-12.50	AVG	

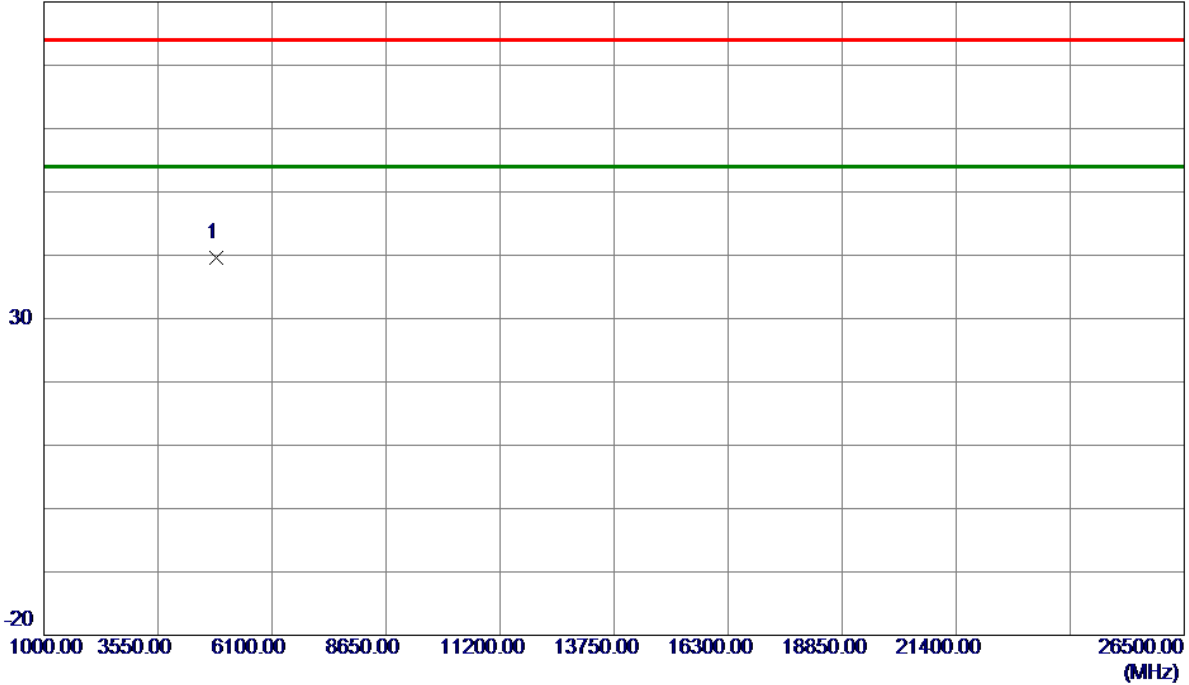
REMARKS:

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

Test Mode: TX N-40M Mode 2422MHz

Horizontal

80 dBuV/m



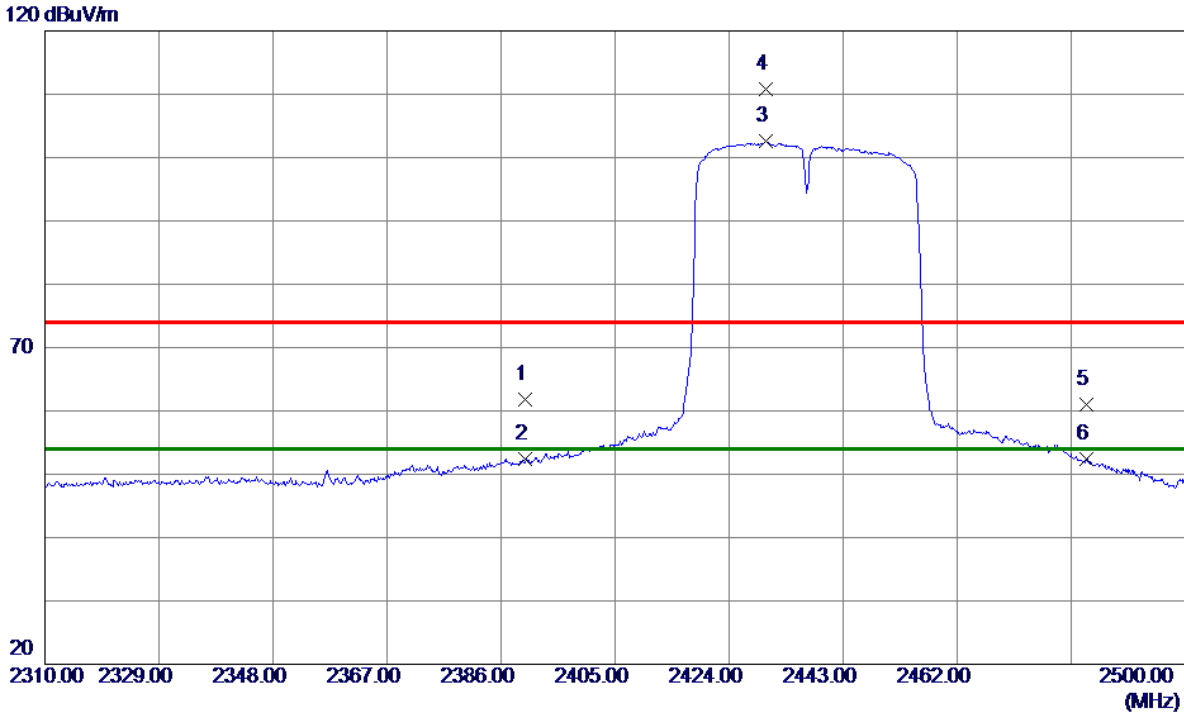
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4844.0000	50.44	-10.86	39.58	74.00	-34.42	Peak	

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	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	30.08	31.74	61.82	74.00	-12.18	Peak	
2	2390.0000	20.71	31.74	52.45	54.00	-1.55	AVG	
3 *	2430.1750	70.81	31.72	102.53	54.00	48.53	AVG	
4	2430.1750	79.14	31.72	110.86	74.00	36.86	Peak	
5	2483.5000	29.25	31.71	60.96	74.00	-13.04	Peak	
6	2483.5000	20.71	31.71	52.42	54.00	-1.58	AVG	

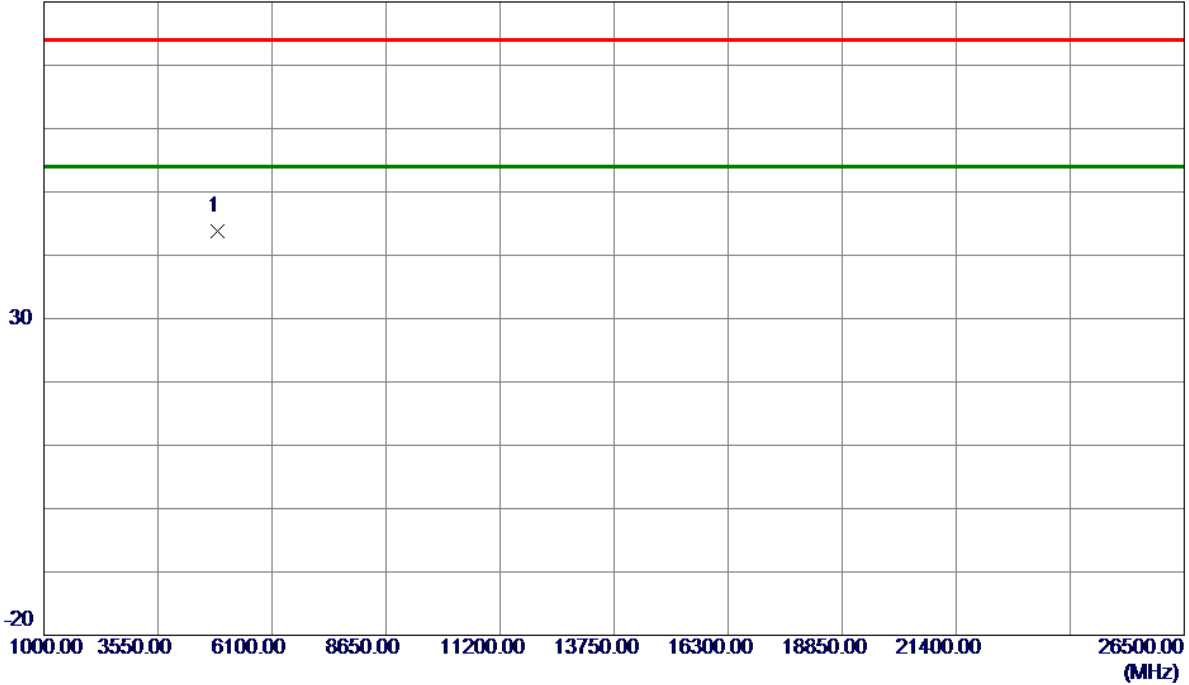
REMARKS:

- (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



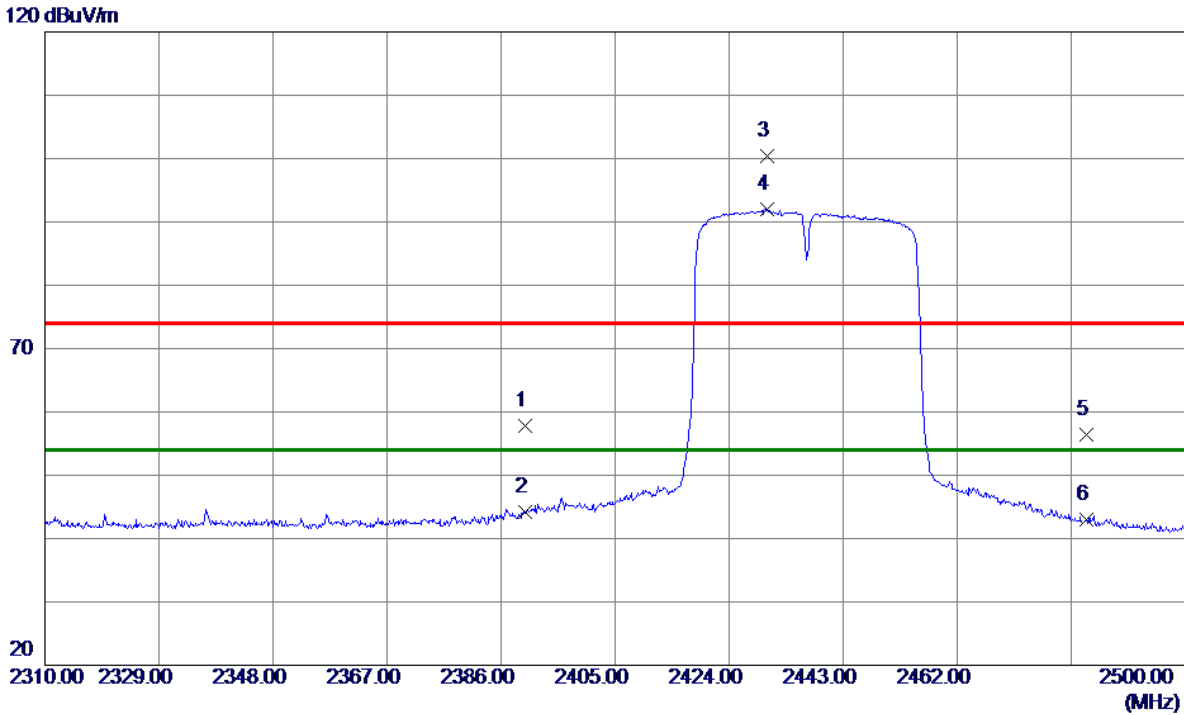
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4870.9000	54.68	-10.80	43.88	74.00	-30.12	Peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	26.13	31.74	57.87	74.00	-16.13	Peak	
2	2390.0000	12.55	31.74	44.29	54.00	-9.71	AVG	
3	2430.2700	68.73	31.72	100.45	74.00	26.45	Peak	
4 *	2430.2700	60.37	31.72	92.09	54.00	38.09	AVG	
5	2483.5000	24.75	31.71	56.46	74.00	-17.54	Peak	
6	2483.5000	11.23	31.71	42.94	54.00	-11.06	AVG	

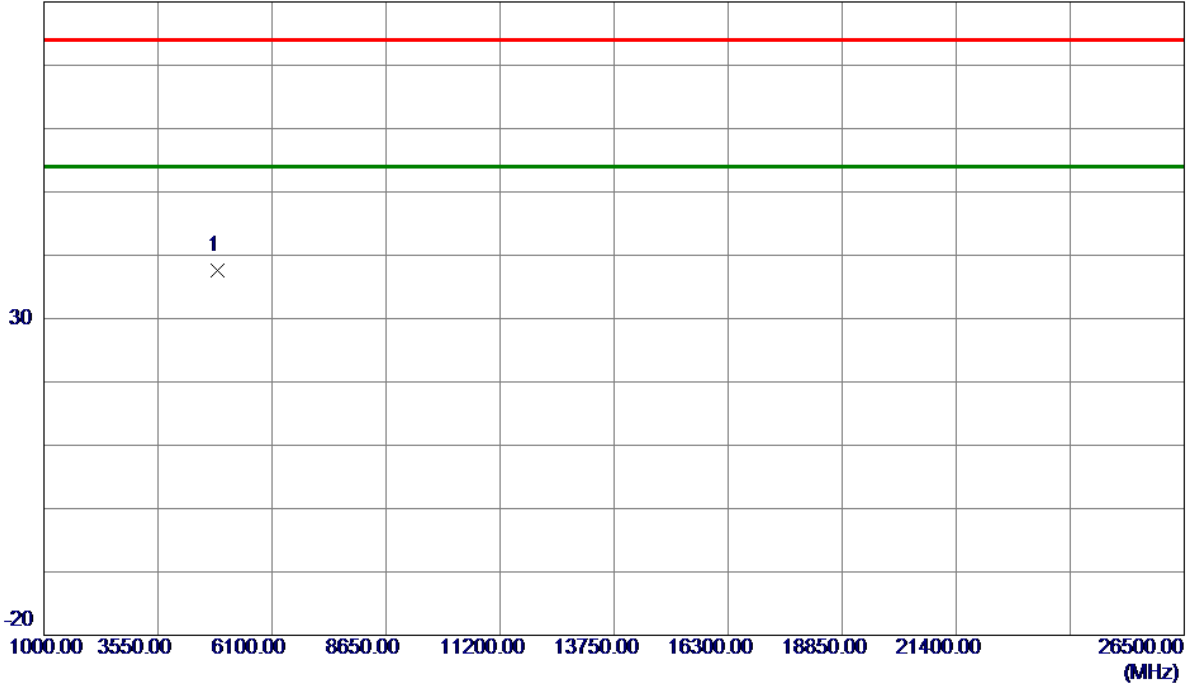
REMARKS:

- (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



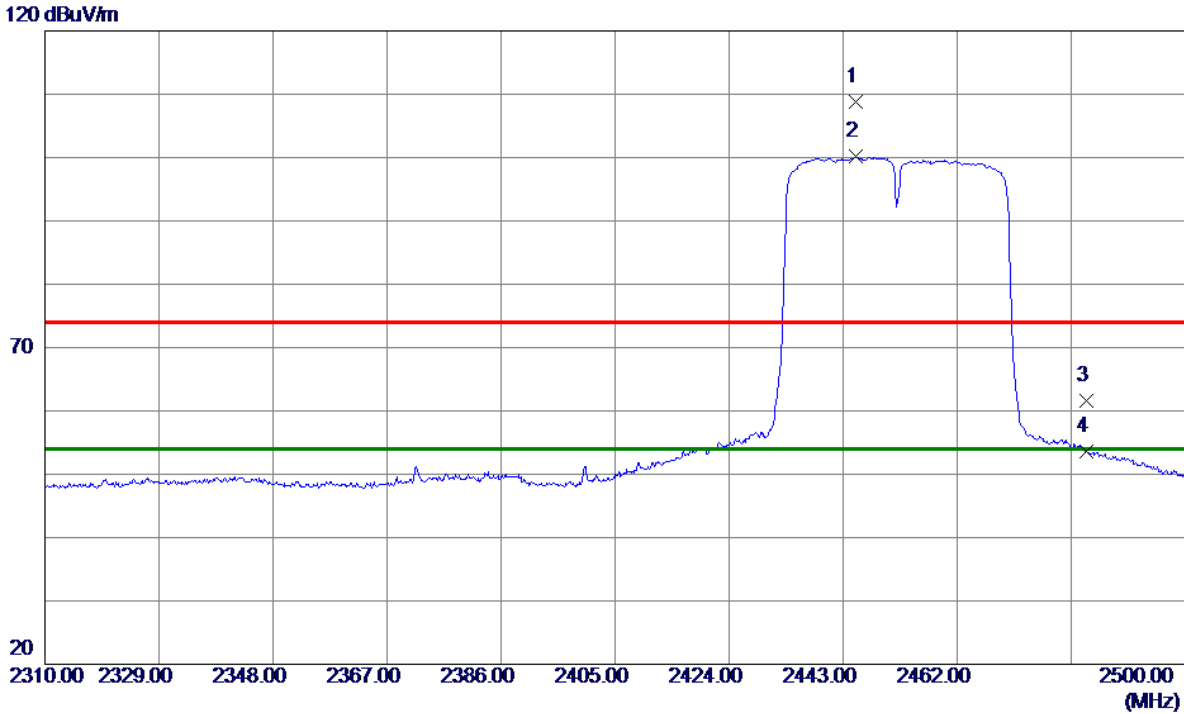
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	48.46	-10.79	37.67	74.00	-36.33	Peak	

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	2445.0900	77.01	31.72	108.73	74.00	34.73	Peak	
2 *	2445.0900	68.39	31.72	100.11	54.00	46.11	AVG	
3	2483.5000	29.91	31.71	61.62	74.00	-12.38	Peak	
4	2483.5000	21.90	31.71	53.61	54.00	-0.39	AVG	

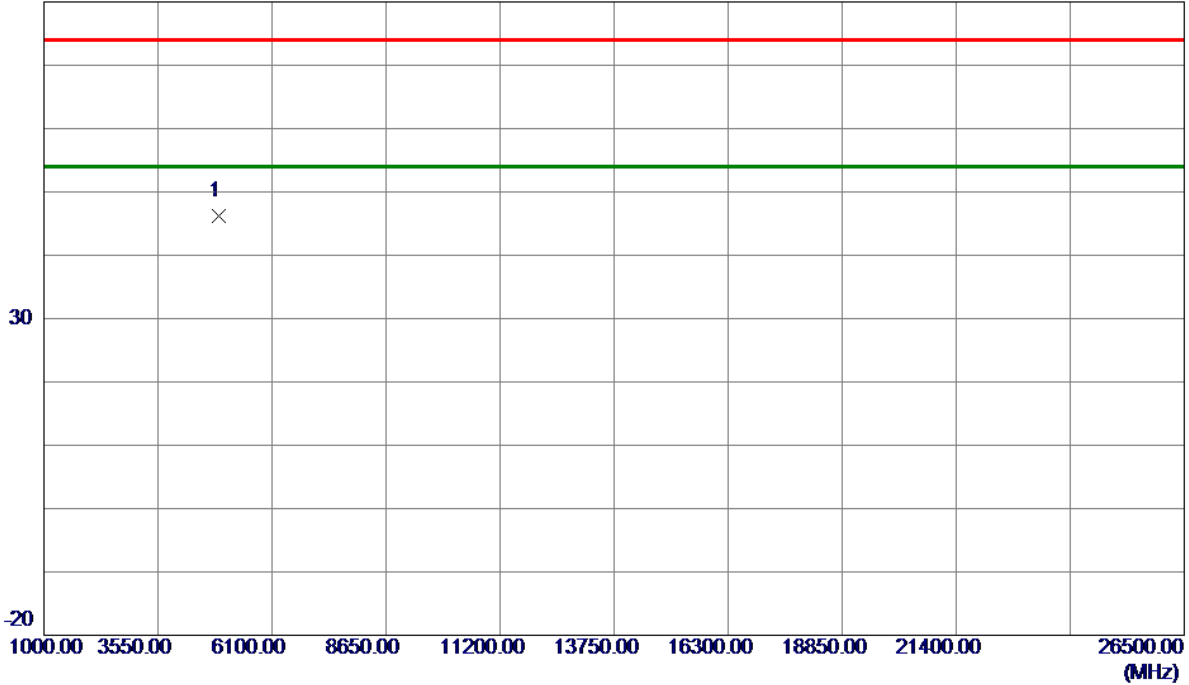
REMARKS:

- (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



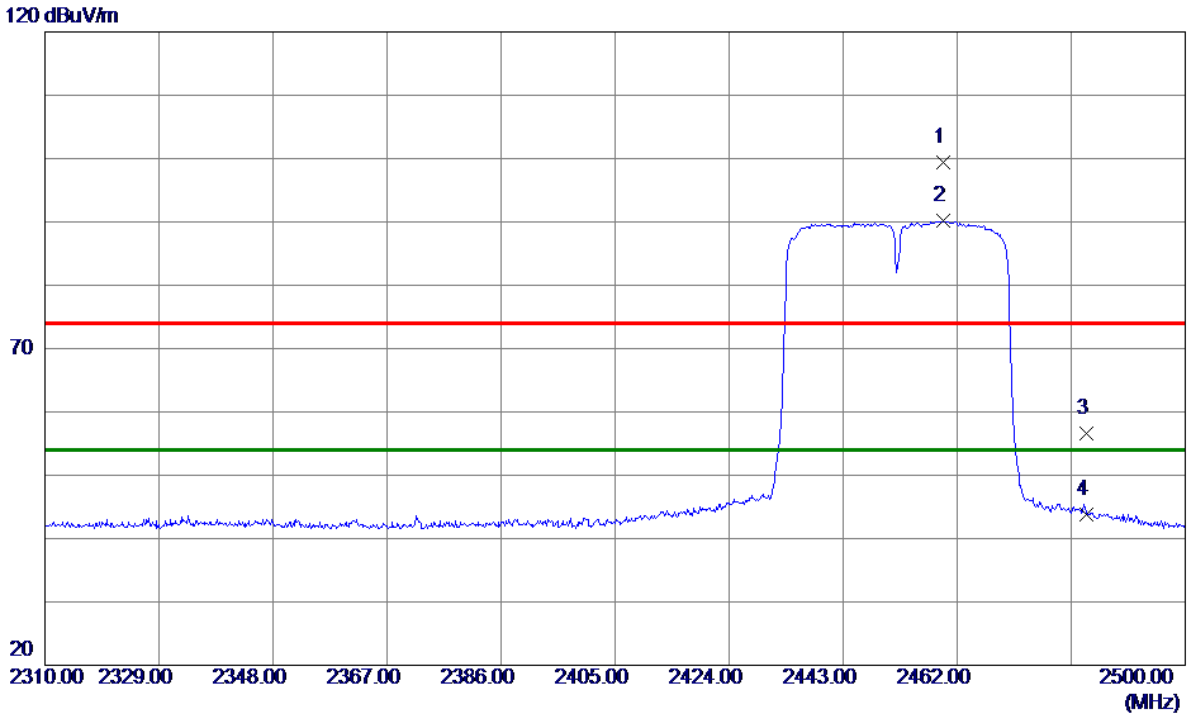
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4905.3250	56.93	-10.71	46.22	74.00	-27.78	Peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2459.6250	67.64	31.71	99.35	74.00	25.35	Peak	
2 *	2459.6250	58.43	31.71	90.14	54.00	36.14	AVG	
3	2483.5000	24.98	31.71	56.69	74.00	-17.31	Peak	
4	2483.5000	12.05	31.71	43.76	54.00	-10.24	AVG	

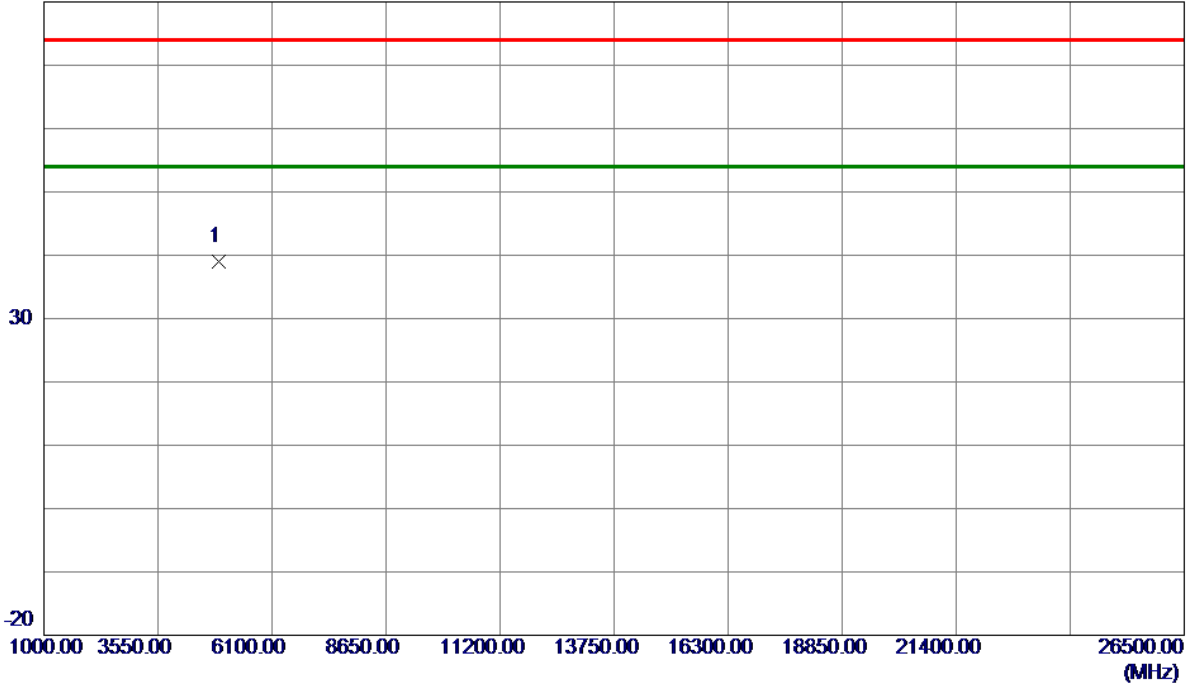
REMARKS:

- (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 *	4904.0000	49.81	-10.72	39.09	74.00	-34.91	Peak	

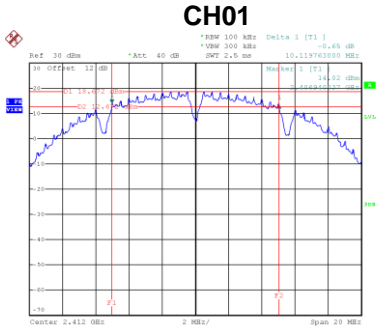
REMARKS:

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

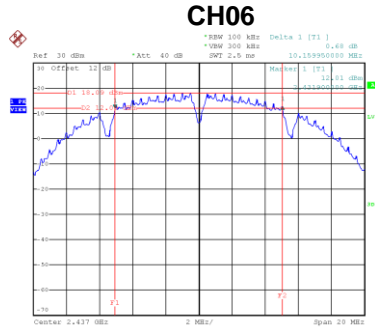
APPENDIX E - BANDWIDTH

Test Mode	TX B Mode
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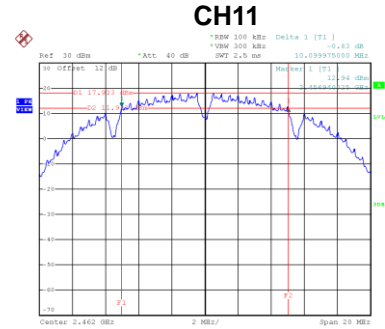
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	10.12	500	Complies
06	2437	10.16	500	Complies
11	2462	10.10	500	Complies



Date: 31.DEC.2020 11:29:25

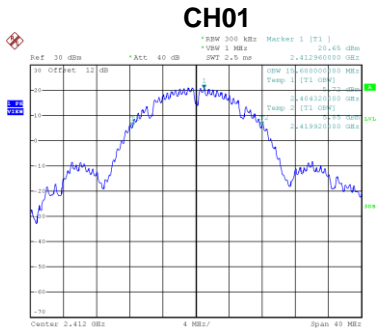


Date: 31.DEC.2020 11:29:47

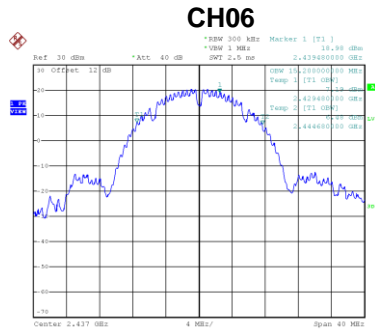


Date: 31.DEC.2020 11:30:56

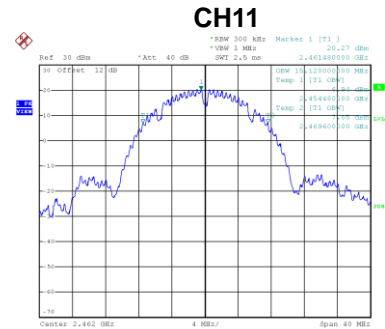
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	15.60	Complies
06	2437	15.20	Complies
11	2462	15.12	Complies



Date: 31.DEC.2020 11:29:32



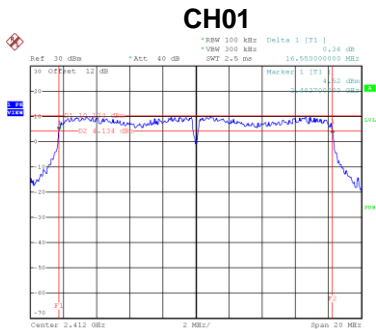
Date: 31.DEC.2020 11:29:53



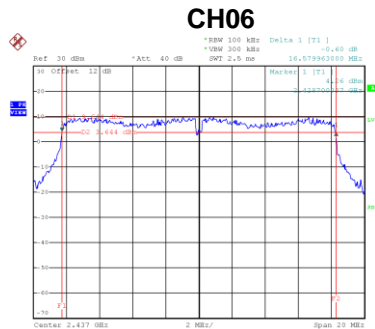
Date: 31.DEC.2020 11:30:03

Test Mode	TX G Mode
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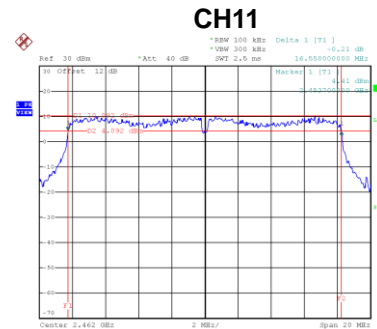
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	16.55	500	Complies
06	2437	16.58	500	Complies
11	2462	16.55	500	Complies



Date: 31.DEC.2020 11:41:19

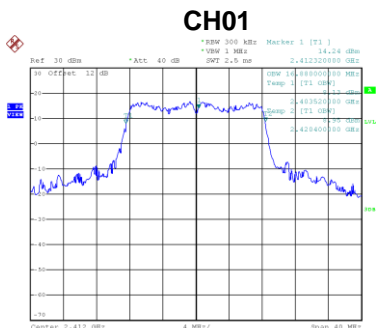


Date: 31.DEC.2020 11:44:25

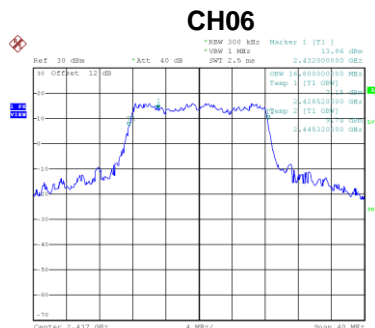


Date: 31.DEC.2020 11:47:24

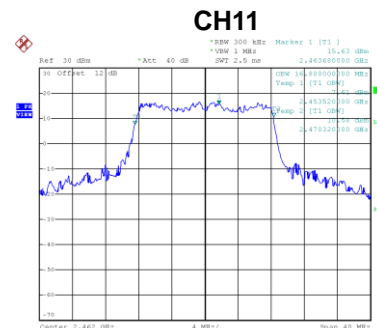
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	16.88	Complies
06	2437	16.80	Complies
11	2462	16.80	Complies



Date: 31.DEC.2020 11:41:46



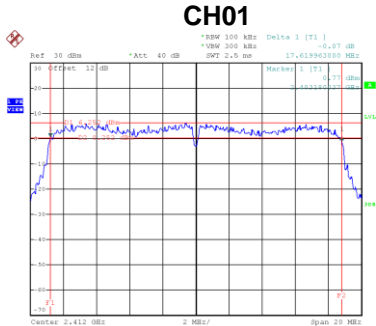
Date: 31.DEC.2020 11:44:32



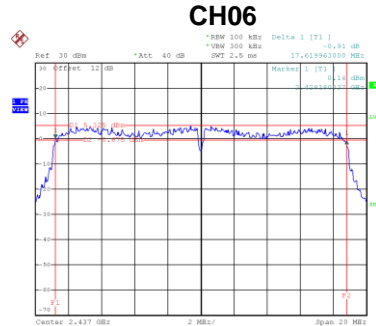
Date: 31.DEC.2020 11:47:30

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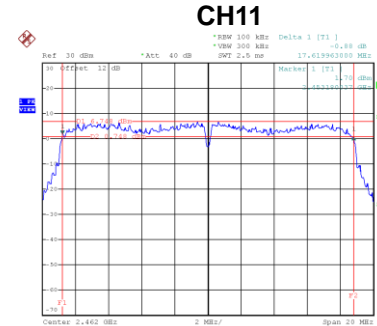
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	17.62	500	Complies
06	2437	17.62	500	Complies
11	2462	17.62	500	Complies



Date: 31.DEC.2020 11:55:02

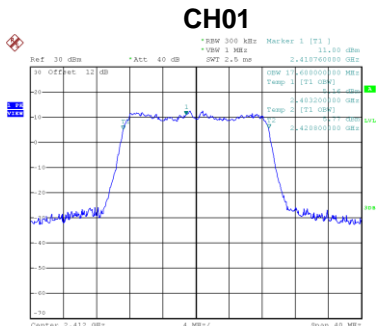


Date: 31.DEC.2020 12:06:54

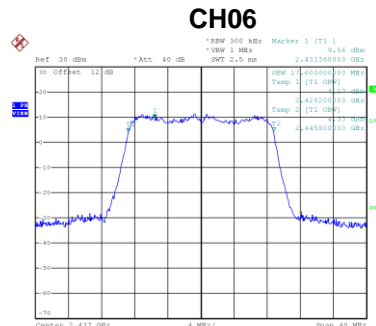


Date: 31.DEC.2020 14:01:22

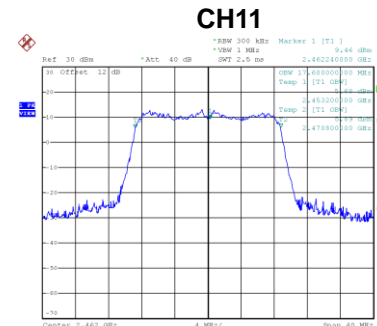
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	17.60	Complies
06	2437	17.60	Complies
11	2462	17.60	Complies



Date: 31.DEC.2020 11:55:09



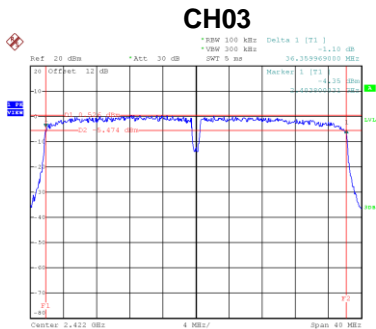
Date: 31.DEC.2020 12:07:00



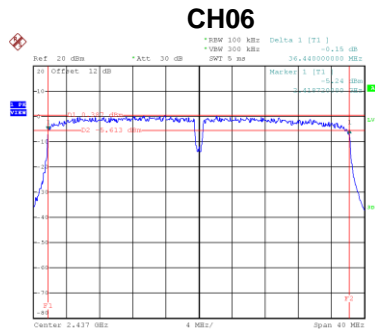
Date: 31.DEC.2020 14:01:29

Test Mode	TX N-40M Mode
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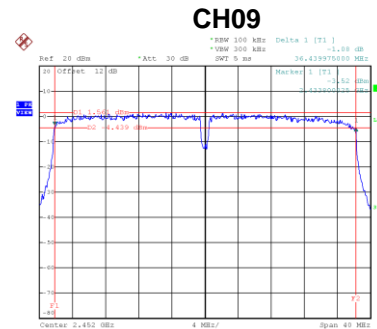
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
03	2422	36.36	500	Complies
06	2437	36.44	500	Complies
09	2452	36.44	500	Complies



Date: 31.DEC.2020 14:10:02

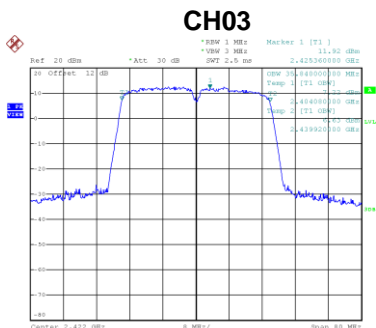


Date: 31.DEC.2020 14:16:30

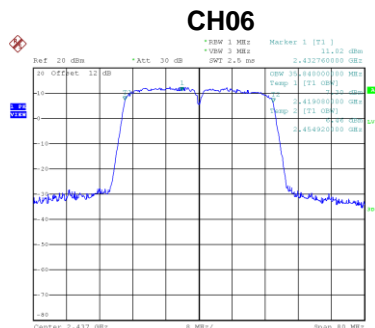


Date: 31.DEC.2020 14:19:02

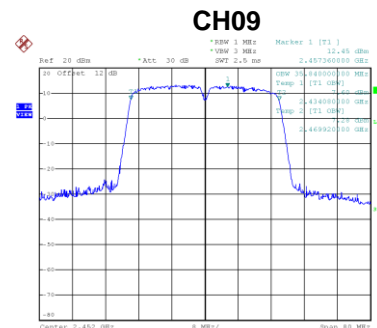
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
03	2422	35.84	Complies
06	2437	35.84	Complies
09	2452	35.84	Complies



Date: 31.DEC.2020 14:10:08



Date: 31.DEC.2020 14:16:37



Date: 31.DEC.2020 14:19:09

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	28.55	30.00	1.0000	Complies
06	2437	28.31	30.00	1.0000	Complies
11	2462	28.01	30.00	1.0000	Complies

Test Mode	TX G Mode
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	29.02	30.00	1.0000	Complies
06	2437	29.11	30.00	1.0000	Complies
11	2462	28.95	30.00	1.0000	Complies

Test Mode	TX N-20M Mode_Ant. 1
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	26.12	30.00	1.0000	Complies
06	2437	25.96	30.00	1.0000	Complies
11	2462	26.04	30.00	1.0000	Complies

Test Mode	TX N-20M Mode_Ant. 2
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	27.67	30.00	1.0000	Complies
06	2437	27.48	30.00	1.0000	Complies
11	2462	27.46	30.00	1.0000	Complies

Test Mode	TX N-20M Mode_Total
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	29.97	30.00	1.0000	Complies
06	2437	29.80	30.00	1.0000	Complies
11	2462	29.82	30.00	1.0000	Complies

Test Mode	TX N-40M Mode_Ant. 1
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	25.83	30.00	1.0000	Complies
06	2437	25.78	30.00	1.0000	Complies
09	2452	26.52	30.00	1.0000	Complies

Test Mode	TX N-40M Mode_Ant. 2
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	27.26	30.00	1.0000	Complies
06	2437	27.36	30.00	1.0000	Complies
09	2452	27.31	30.00	1.0000	Complies

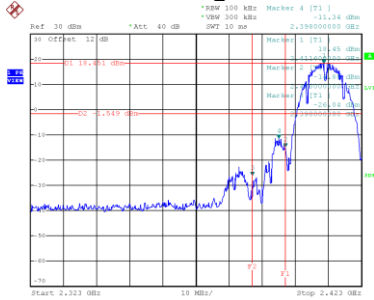
Test Mode	TX N-40M Mode_Total
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	29.61	30.00	1.0000	Complies
06	2437	29.65	30.00	1.0000	Complies
09	2452	29.94	30.00	1.0000	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

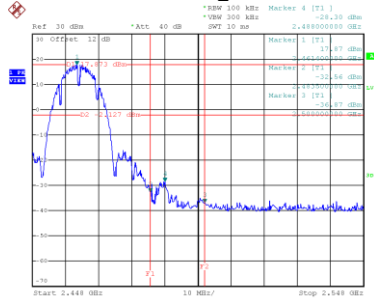
Test Mode TX B Mode

Bandedge-CH01



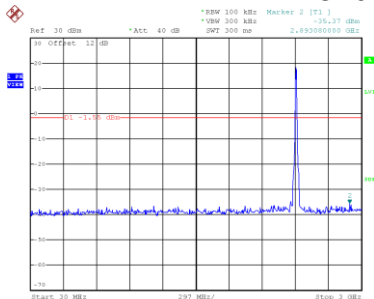
Date: 31.DEC.2020 11:25:140

Bandedge-CH11

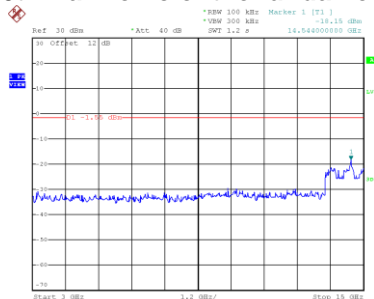


Date: 31.DEC.2020 11:19:110

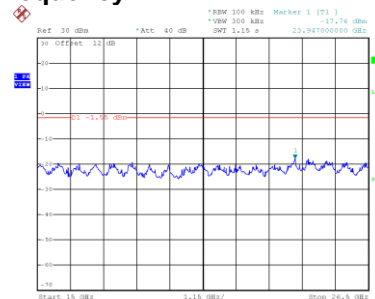
CH01 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 11:25:153

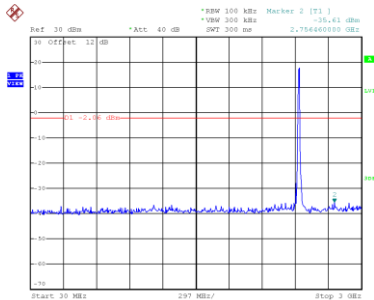


Date: 31.DEC.2020 11:26:100

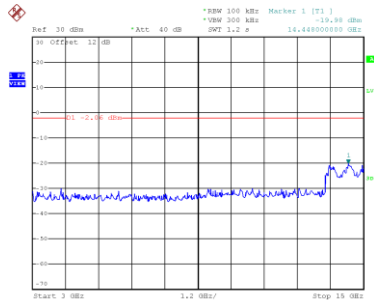


Date: 31.DEC.2020 11:26:107

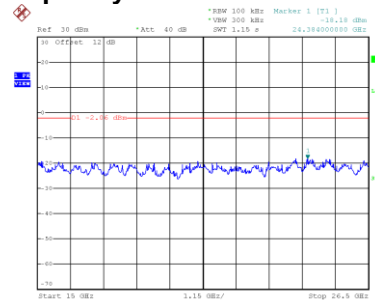
CH06 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 11:30:113

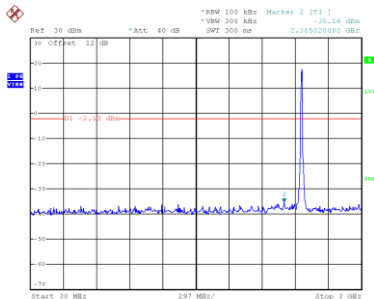


Date: 31.DEC.2020 11:30:121

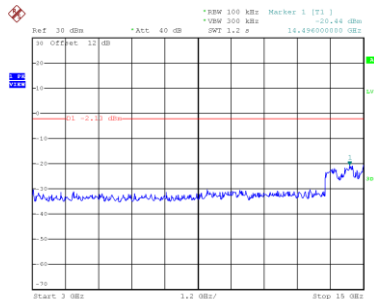


Date: 31.DEC.2020 11:30:128

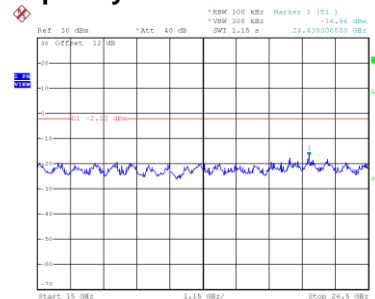
CH11 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 11:39:123



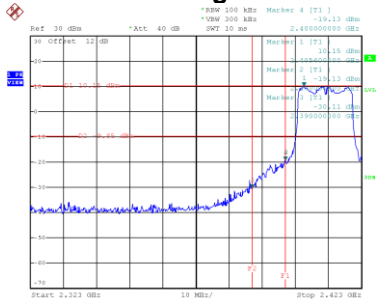
Date: 31.DEC.2020 11:39:130



Date: 31.DEC.2020 11:39:138

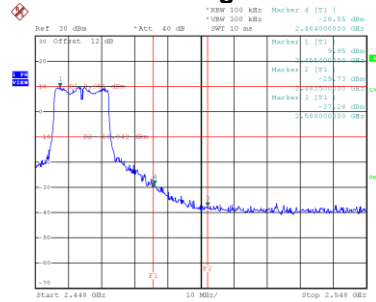
Test Mode TX G Mode

Bandedge-CH01



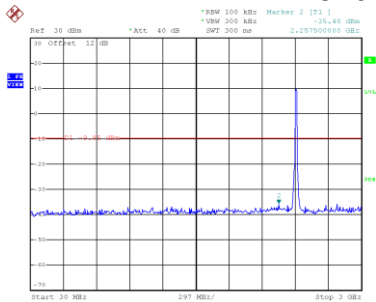
Date: 31.DEC.2020 11:41:53

Bandedge-CH11

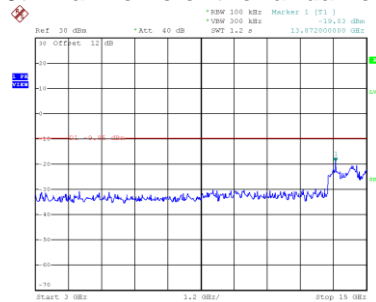


Date: 31.DEC.2020 11:47:37

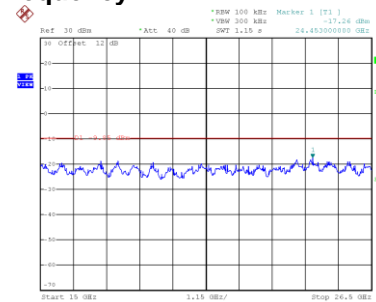
CH01 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 11:42:06

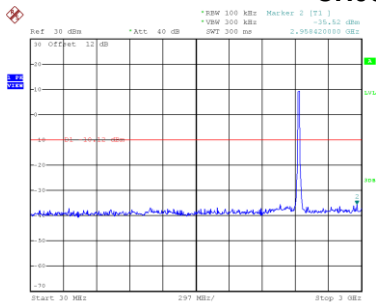


Date: 31.DEC.2020 11:42:13

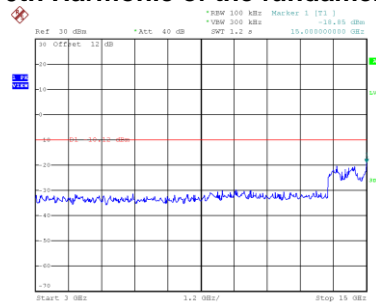


Date: 31.DEC.2020 11:42:20

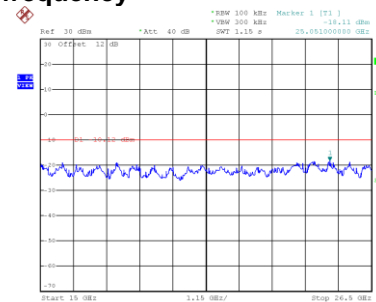
CH06 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 11:44:52

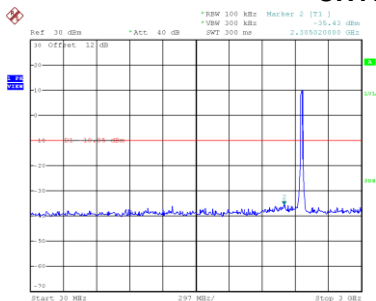


Date: 31.DEC.2020 11:44:59

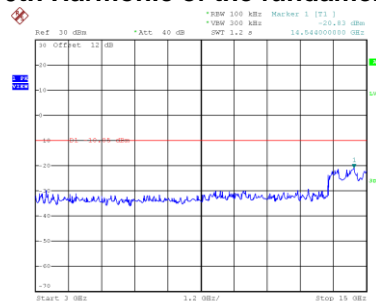


Date: 31.DEC.2020 11:45:06

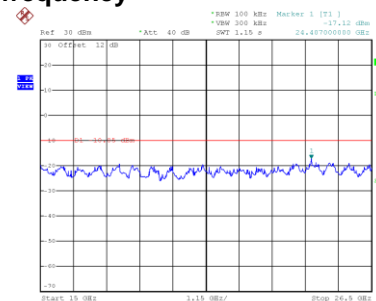
CH11 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 11:47:50



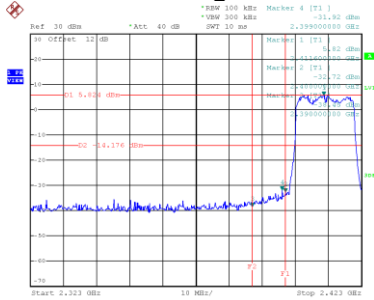
Date: 31.DEC.2020 11:47:58



Date: 31.DEC.2020 11:48:05

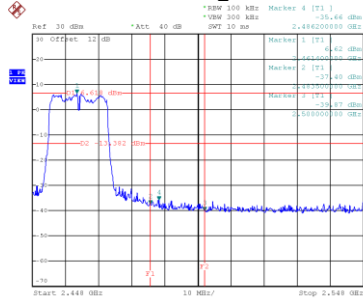
Test Mode TX N-20M Mode_Ant. 1

Bandedge-CH01



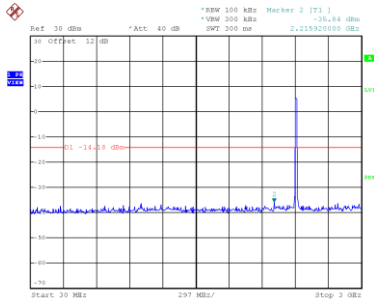
Date: 31.DEC.2020 11:55:16

Bandedge-CH11

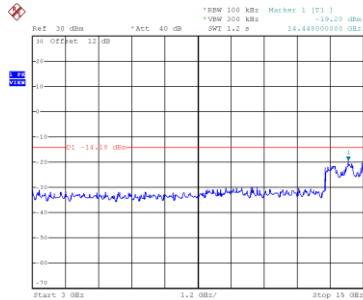


Date: 31.DEC.2020 14:01:36

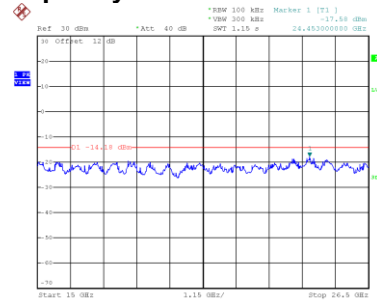
CH01 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 11:55:29

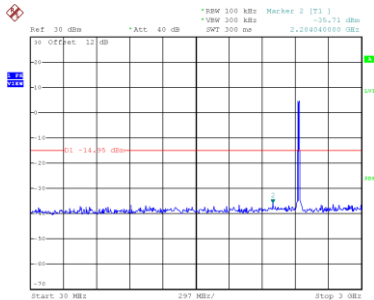


Date: 31.DEC.2020 11:55:36

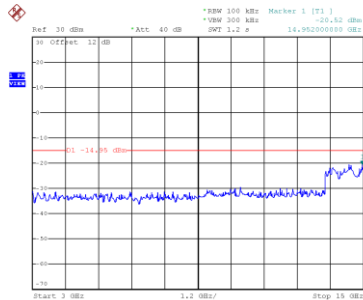


Date: 31.DEC.2020 11:55:44

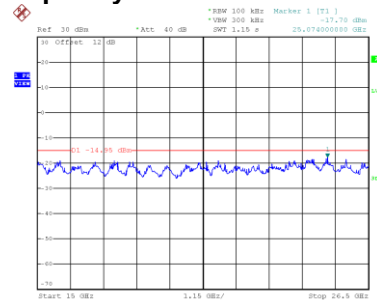
CH06 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 12:07:21

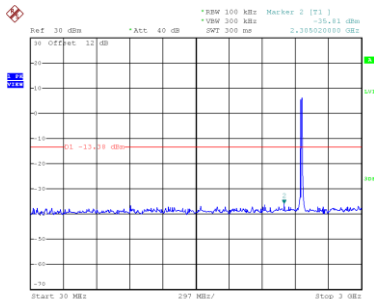


Date: 31.DEC.2020 12:07:28

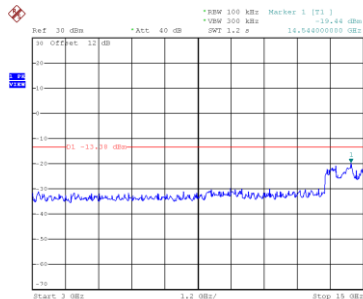


Date: 31.DEC.2020 12:07:35

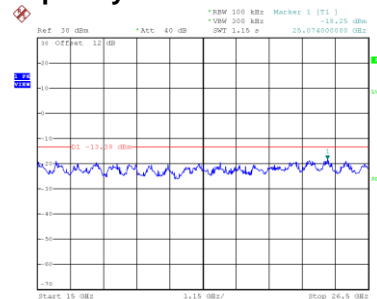
CH11 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 14:01:49



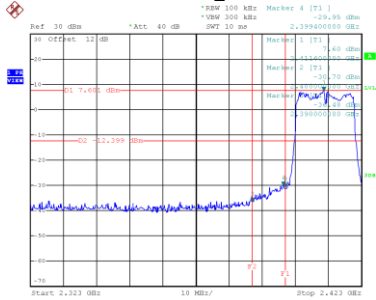
Date: 31.DEC.2020 14:01:56



Date: 31.DEC.2020 14:02:03

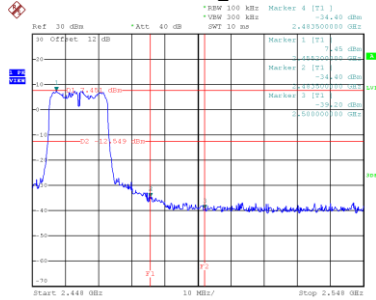
Test Mode TX N-20M Mode_Ant. 2

Bandedge-CH01



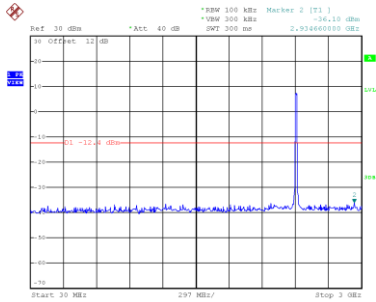
Date: 31.DEC.2020 11:59:42

Bandedge-CH11

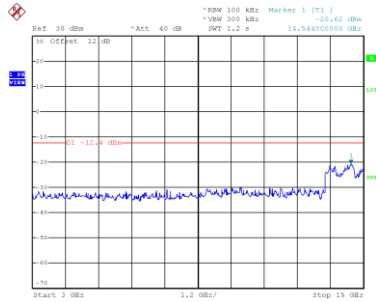


Date: 31.DEC.2020 14:03:43

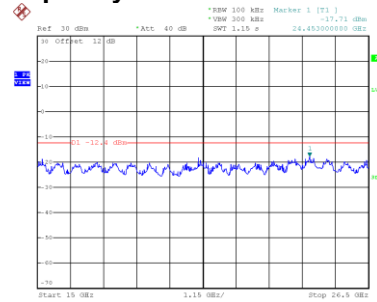
CH01 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 11:59:55

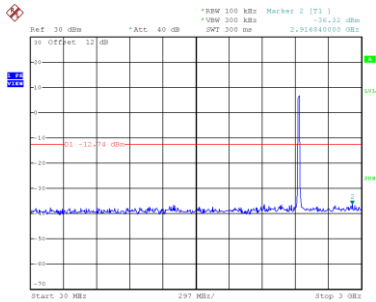


Date: 31.DEC.2020 12:00:02

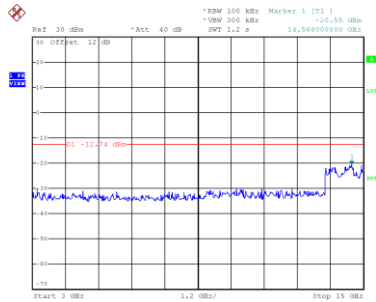


Date: 31.DEC.2020 12:00:09

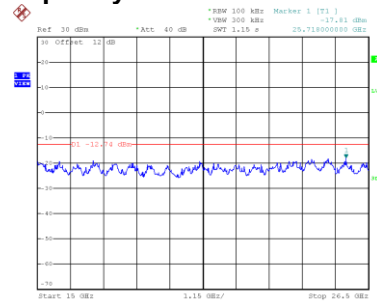
CH06 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 12:02:57

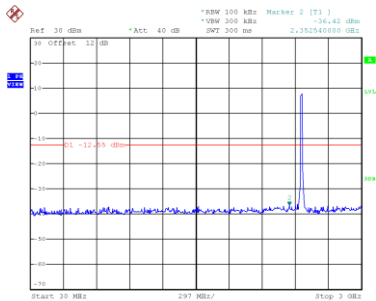


Date: 31.DEC.2020 12:03:04

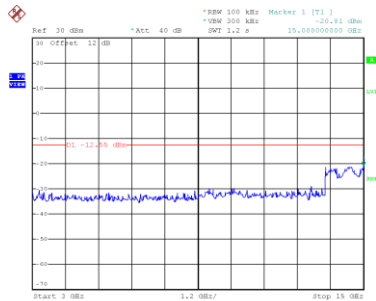


Date: 31.DEC.2020 12:03:12

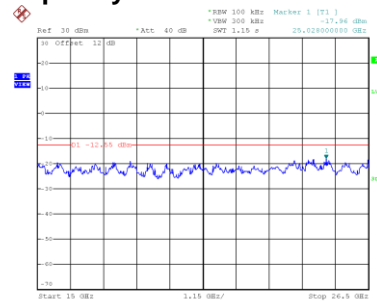
CH11 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 14:03:56



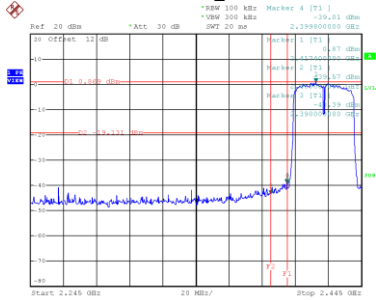
Date: 31.DEC.2020 14:04:03



Date: 31.DEC.2020 14:04:10

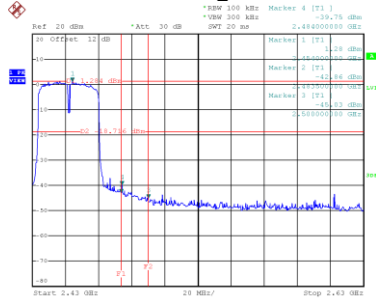
Test Mode TX N-40M Mode_Ant. 1

Bandedge-CH03



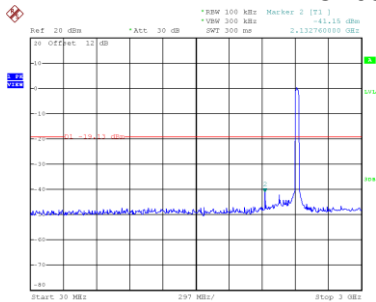
Date: 31.DEC.2020 14:10:15

Bandedge-CH09

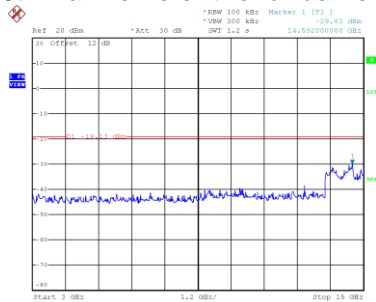


Date: 31.DEC.2020 14:19:16

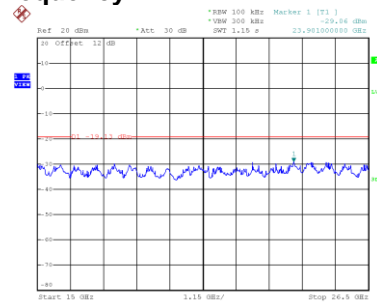
CH03 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 14:10:28

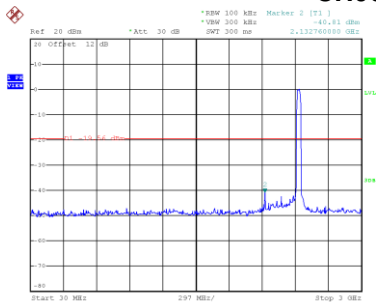


Date: 31.DEC.2020 14:10:35

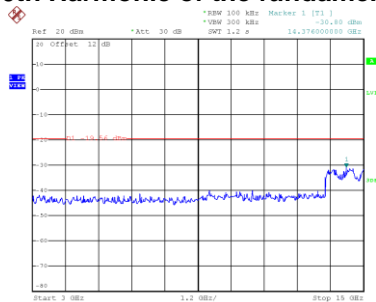


Date: 31.DEC.2020 14:10:43

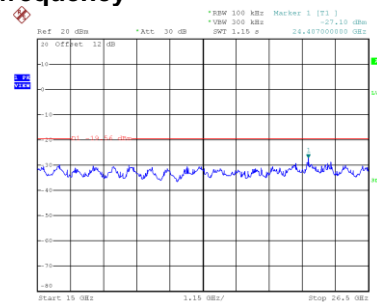
CH06 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 14:16:57

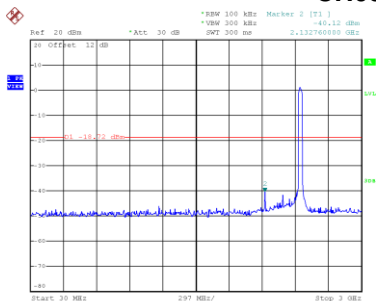


Date: 31.DEC.2020 14:17:04

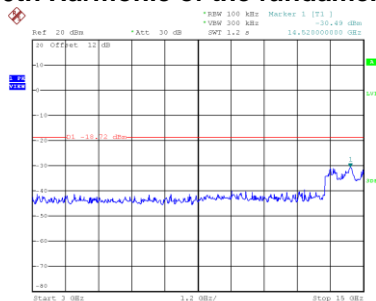


Date: 31.DEC.2020 14:17:11

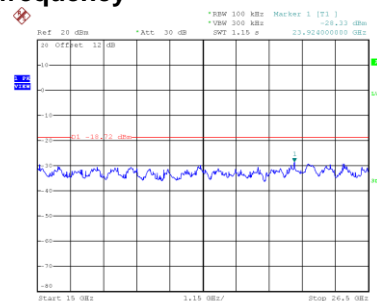
CH09 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 14:19:29



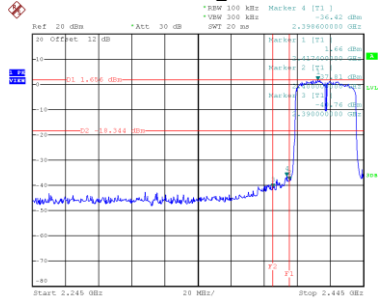
Date: 31.DEC.2020 14:19:36



Date: 31.DEC.2020 14:19:43

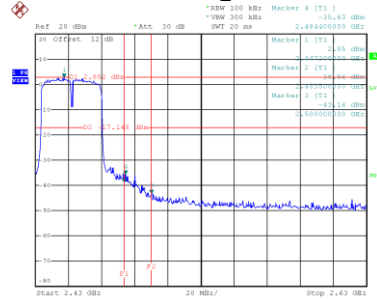
Test Mode TX N-40M Mode_Ant. 2

Bandedge-CH03



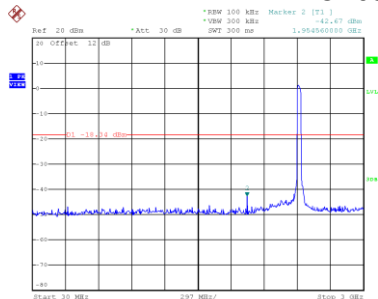
Date: 31.DEC.2020 14:11:43

Bandedge-CH09

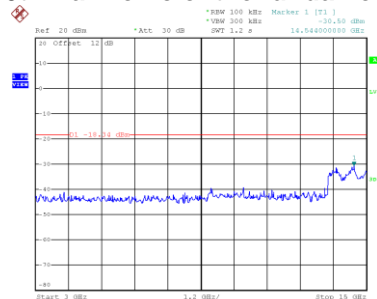


Date: 31.DEC.2020 14:12:19

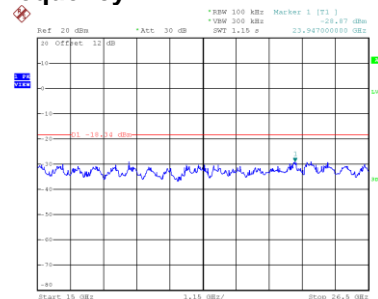
CH03 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 14:11:56

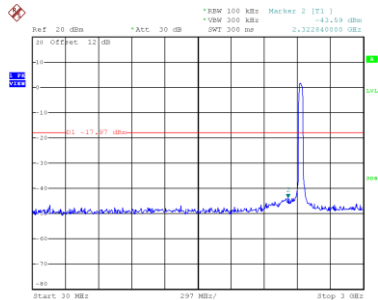


Date: 31.DEC.2020 14:12:03

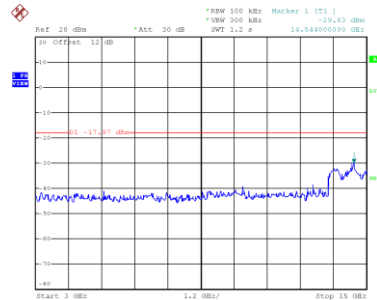


Date: 31.DEC.2020 14:12:10

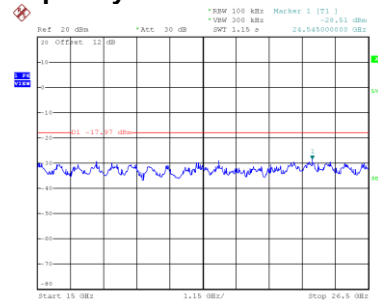
CH06 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 14:15:33

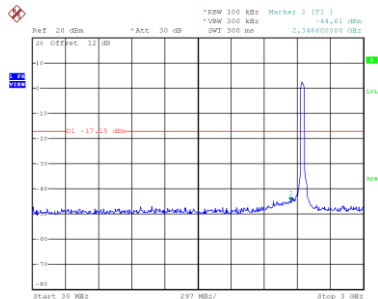


Date: 31.DEC.2020 14:15:40

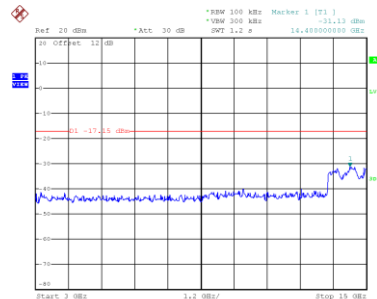


Date: 31.DEC.2020 14:15:47

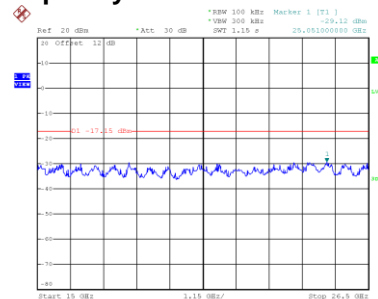
CH09 – 10th Harmonic of the fundamental frequency



Date: 31.DEC.2020 14:12:132



Date: 31.DEC.2020 14:12:139

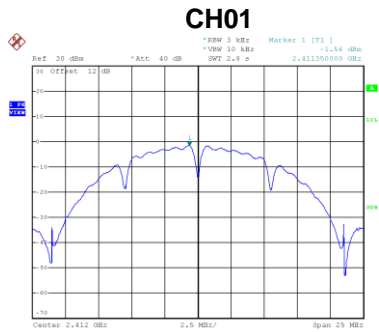


Date: 31.DEC.2020 14:12:146

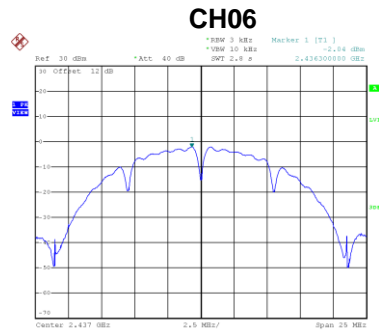
APPENDIX H - POWER SPECTRAL DENSITY

Test Mode	TX B Mode
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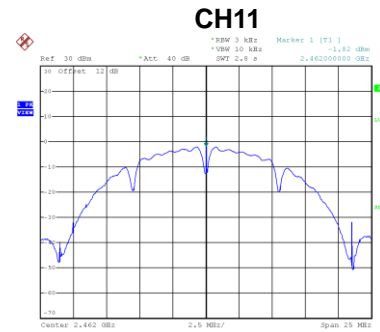
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-1.56	8.00	Complies
06	2437	-2.04	8.00	Complies
11	2462	-1.82	8.00	Complies



Date: 31.DEC.2020 11:26:16



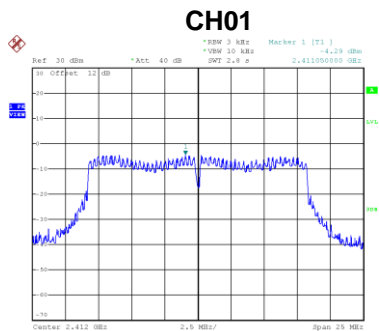
Date: 31.DEC.2020 11:30:36



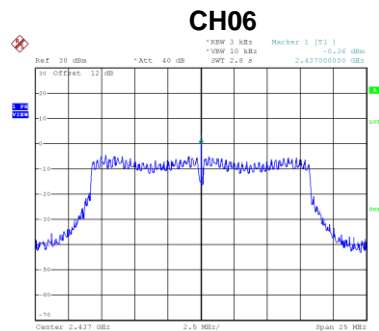
Date: 31.DEC.2020 11:39:46

Test Mode	TX G Mode
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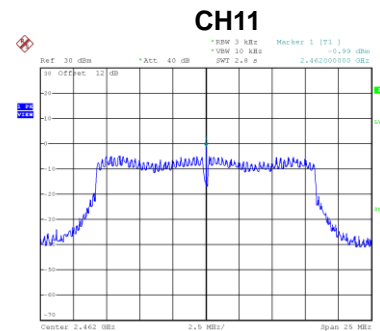
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-4.29	8.00	Complies
06	2437	-0.36	8.00	Complies
11	2462	-0.99	8.00	Complies



Date: 31.DEC.2020 11:42:29



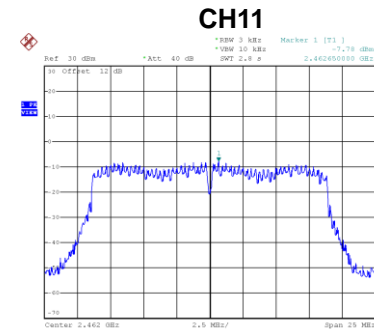
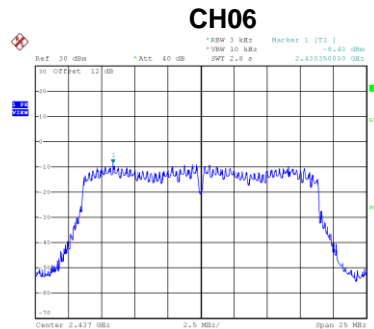
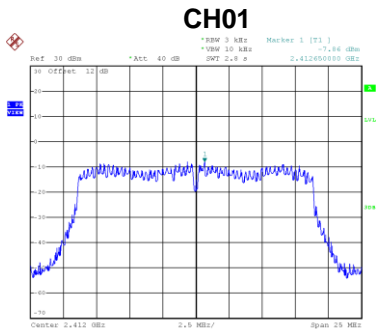
Date: 31.DEC.2020 11:45:43



Date: 31.DEC.2020 11:48:13

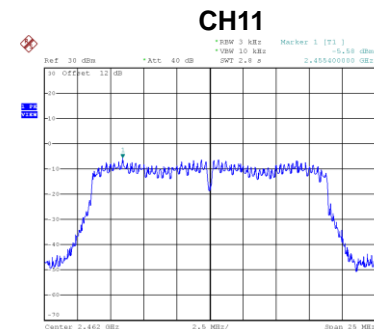
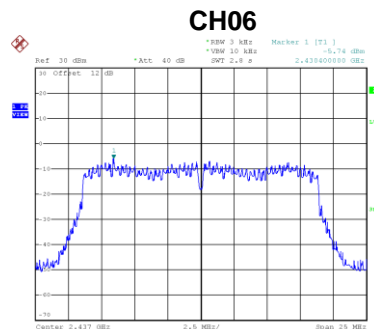
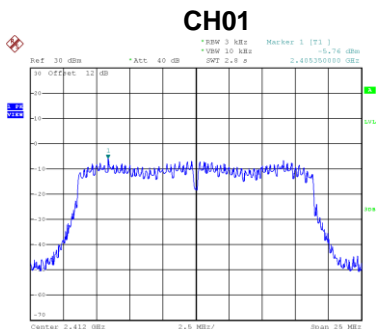
Test Mode	TX N-20M Mode_Ant. 1
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Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-7.86	7.49	Complies
06	2437	-8.40	7.49	Complies
11	2462	-7.78	7.49	Complies



Test Mode	TX N-20M Mode_Ant. 2
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Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-5.76	7.49	Complies
06	2437	-5.74	7.49	Complies
11	2462	-5.58	7.49	Complies

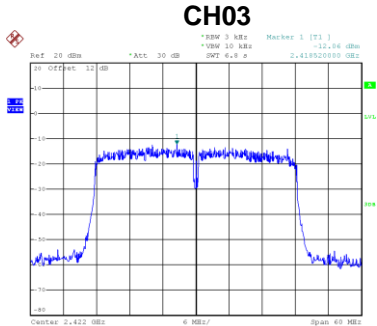


Test Mode	TX N-20M Mode_Total
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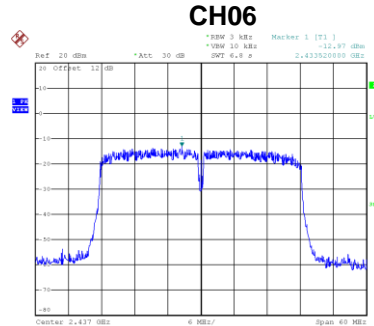
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-3.67	7.49	Complies
06	2437	-3.86	7.49	Complies
11	2462	-3.53	7.49	Complies

Test Mode	TX N-40M Mode_Ant. 1
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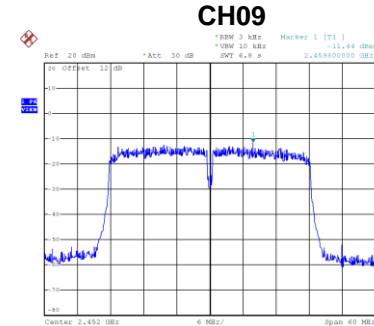
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-12.06	7.49	Complies
06	2437	-12.97	7.49	Complies
09	2452	-11.44	7.49	Complies



Date: 31.DEC.2020 14:11:04



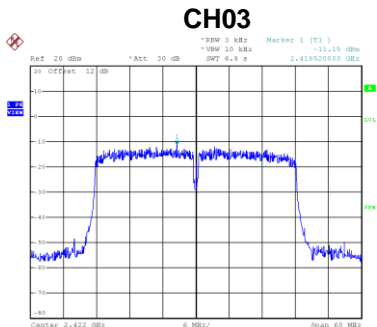
Date: 31.DEC.2020 14:11:23



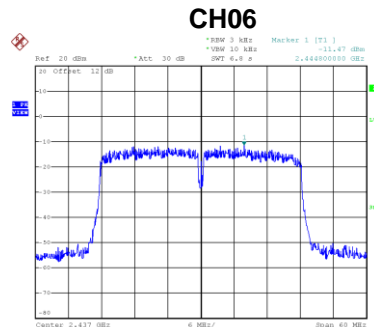
Date: 31.DEC.2020 14:11:55

Test Mode	TX N-40M Mode_Ant. 2
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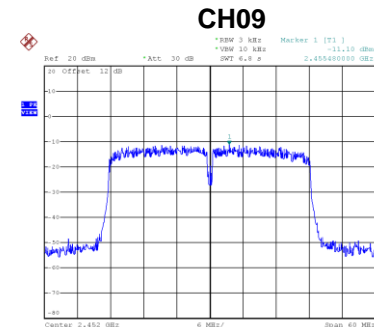
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-11.15	7.49	Complies
06	2437	-11.47	7.49	Complies
09	2452	-11.10	7.49	Complies



Date: 31.DEC.2020 14:12:21



Date: 31.DEC.2020 14:11:58



Date: 31.DEC.2020 14:12:17

Test Mode	TX N-40M Mode_Total
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Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-8.57	7.49	Complies
06	2437	-9.15	7.49	Complies
09	2452	-8.26	7.49	Complies

End of Test Report