

FCC Radio Test Report

FCC ID:Q78-ZXV10B820CA15

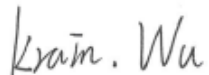
This report concerns: Original Grant

Project No. : 1912H040
Equipment : Hybrid STB
Brand Name : ZTE
Test Model : ZXV10 B820C-A15
Series Model : N/A
Applicant : ZTE Corporation
Address : ZTE Plaza, Hi-Tech Park, Nanshan District, Shenzhen, Guangdong,
P.R.China
Manufacturer : ZTE Corporation
Address : ZTE Plaza, Hi-Tech Park, Nanshan District, Shenzhen, Guangdong,
P.R.China
Date of Receipt : Jan. 13, 2020
Date of Test : Jan. 13, 2020~Feb. 16, 2020
Issued Date : Feb. 28, 2020
Report Version : R00
Test Sample : Engineering Sample No.: SH201912301
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.



Prepared by : Iscaa Min



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

Limitation

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

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

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Feb. 28, 2020

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

Note:

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

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China

BTL's Test Firm Registration Number for FCC: 476765

BTL's Designation Number for FCC: CN1241

1.2 MEASUREMENT UNCERTAINTY

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

The BTL measurement uncertainty as below table:

A. 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	22°C	56%	AC 120V/60Hz	Forest Li
Radiated Emissions-30 MHz to 1GHz	22°C	42%	AC 120V/60Hz	Forest Li
Radiated Emissions-Above 1000 MHz	22°C	40%	AC 120V/60Hz	Forest Li
Bandwidth	22°C	56%	AC 120V/60Hz	Forest Li
Maximum output power & e.i.r.p.	22°C	56%	AC 120V/60Hz	Forest Li
Conducted Spurious Emissions	22°C	56%	AC 120V/60Hz	Forest Li
Power Spectral Density	22°C	56%	AC 120V/60Hz	Forest Li

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Hybrid STB
Brand Name	ZTE
Test Model	ZXV10 B820C-A15
Series Model	N/A
Model Difference(s)	N/A
Software Version	N/A
Hardware Version	N/A
Power Source	DC voltage supplied from AC/DC adapter. #1:Meic/MN012E-L120100 #2:Ruide/RD1201000-C55-35MGD
Power Rating	I/P: I/P:100-240~50/60Hz 0.6A max. 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: 17.12 dBm (0.0515 W) IEEE 802.11g: 25.14 dBm (0.3266 W) IEEE 802.11n (HT20): 27.34 dBm (0.5420 W) IEEE 802.11n (HT40): 27.38 dBm (0.5470 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)
1	N/A	N/A	Internal	N/A	4.4
2	N/A	N/A	Internal	N/A	4.3

Note:

The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R), all transmit signals are completely correlated, then,

Direction gain= Directional gain = $10\log[(10^{G1/20}+10^{G2/20}+...10^{GN/20})^2/N]$ dBi, that is

Directional gain = $10\log[(10^{4.4/20}+10^{4.3/20})^2/2]$ dBi = 7.36. So, the output power limit is 30-7.36+6=28.64,

the power spectral density limit is 8-7.36+6=6.64.

4. Table for Antenna Configuration:

Operating Mode	1TX	2TX
TX Mode		
802.11b	V (Ant. 1)	-
802.11g	V (Ant. 1)	-
802.11n(20 MHz)		V (Ant. 1 + Ant. 2)
802.11n(40 MHz)		V (Ant. 1 + Ant. 2)

2.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09
Mode 5	TX G Mode Channel 06

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

AC power line conducted emissions test	
Final Test Mode:	Description
Mode 5	TX N40 Mode Channel 03

Radiated emissions test - Below 1GHz	
Final Test Mode:	Description
Mode 5	TX N40 Mode Channel 03

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:

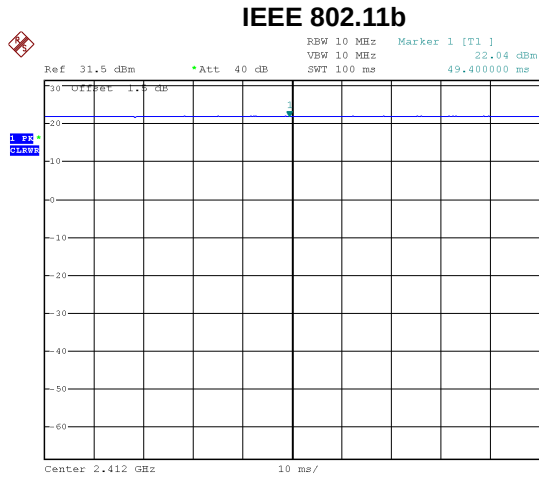
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: CCK (1 Mbps)
802.11g mode: OFDM (6 Mbps)
802.11n HT20 mode : BPSK (13 Mbps)
802.11n HT40 mode : BPSK (27 Mbps)
For radiated emission tests, the highest output powers were set for final test.
- (3) For radiated emission below 1 GHz test, the IEEE 802.11n(HT40) Channel 03 is found to be the worst case and recorded.
- (4) For radiated emission above 1 GHz test, 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (5) The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

2.3 PARAMETERS OF TEST SOFTWARE

Test Software	cmd		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	69/78	71/80	72/82
IEEE 802.11g	61/67	62/68	65/70
IEEE 802.11n (HT20)	64/69	67/72	68/74
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	65/70	65/71	67/73

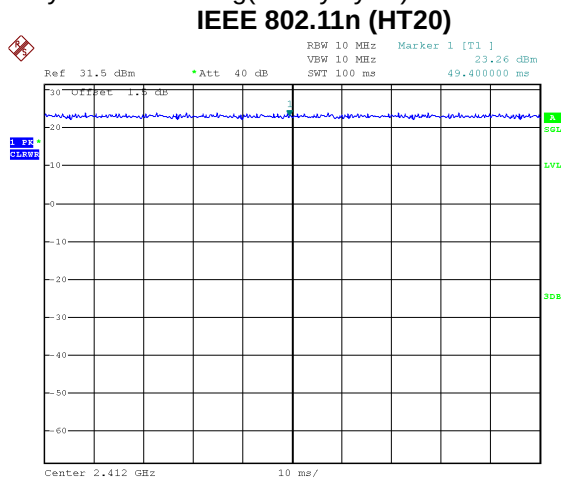
2.4 DUTY CYCLE

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



Date: 3.JAN.2020 16:13:43

Duty cycle = $100.000\text{ ms} / 100.000\text{ ms} = 100\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.00$



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Duty cycle = $100.000\text{ ms} / 100.000\text{ ms} = 100\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.00$

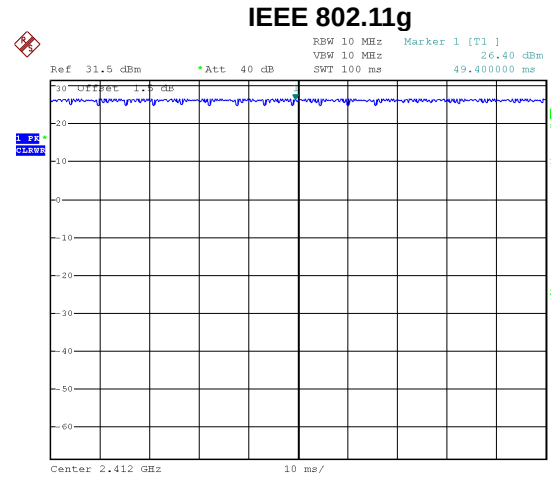
NOTE:

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

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 0.01 kHz (Duty cycle $< 98\%$).

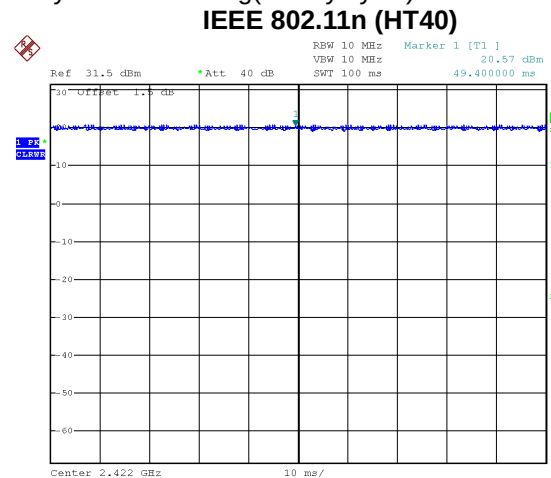
For IEEE 802.11n (HT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 0.01 kHz (Duty cycle $< 98\%$).



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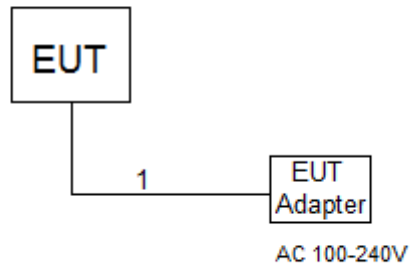
Duty cycle = $100.000\text{ ms} / 100.000\text{ ms} = 100\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.00$



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Duty cycle = $100.000\text{ ms} / 100.000\text{ ms} = 100\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.00$

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

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

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	N/A	N/A	1m

3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

Frequency of Emission (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.50	66 to 56*	56 to 46*
0.50 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

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

The following table is the setting of the receiver

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

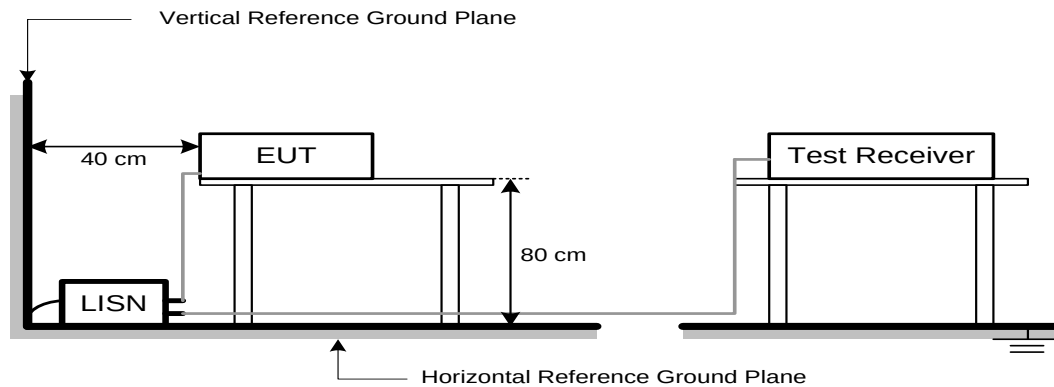
3.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.3 DEVIATION FROM TEST STANDARD

No deviation

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS TEST

4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (9 kHz-1000 MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

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

NOTE:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
 Margin Level = Measurement Value - Limit Value

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

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

4.2 TEST PROCEDURE

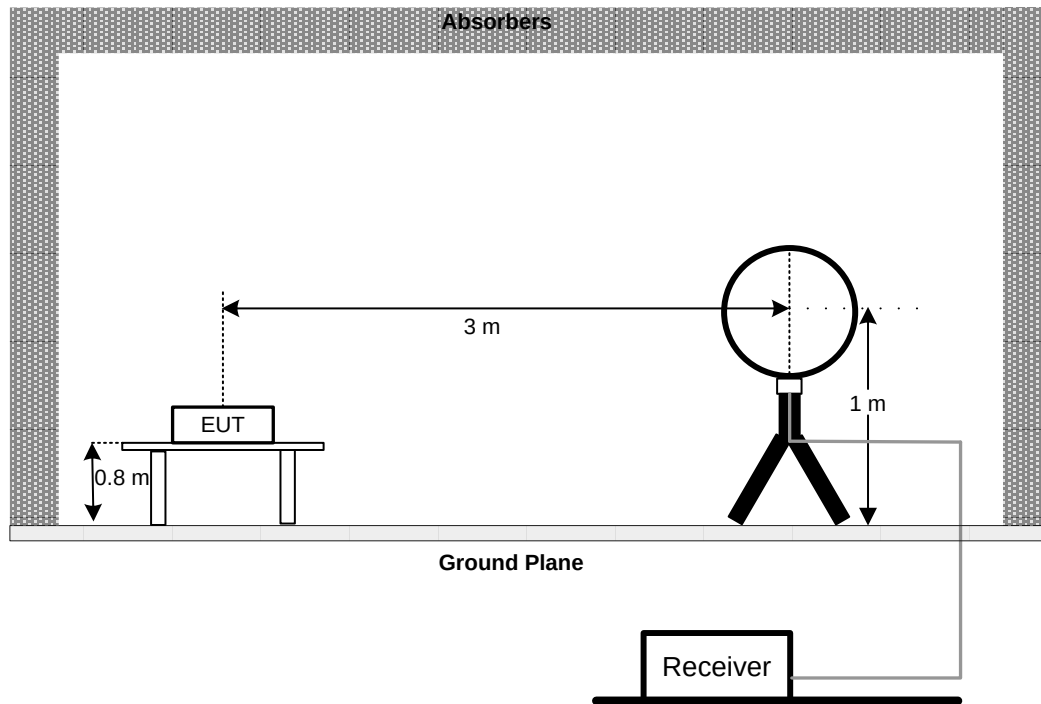
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- The measuring distance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

4.3 DEVIATION FROM TEST STANDARD

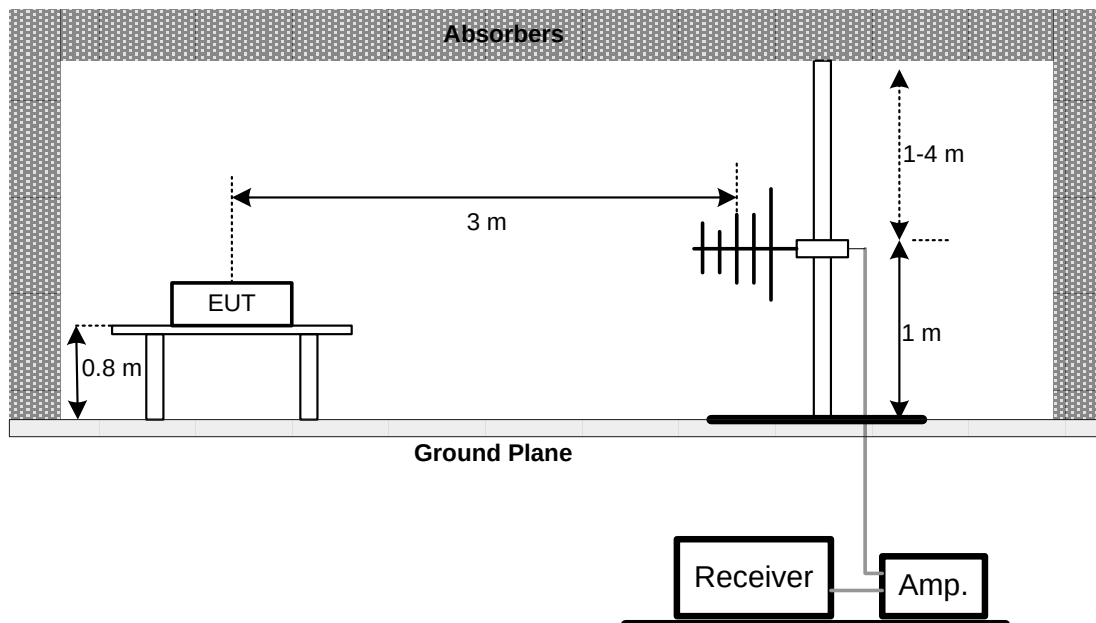
No deviation

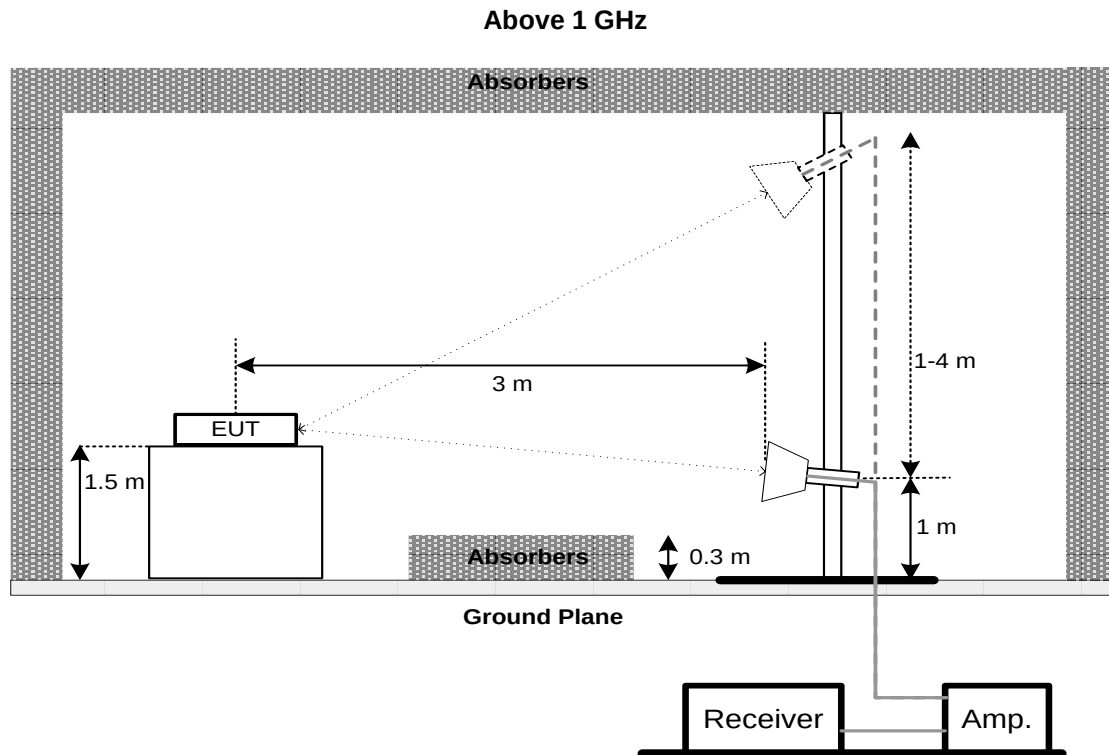
4.4 TEST SETUP

9 kHz-30 MHz



30 MHz to 1 GHz





4.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX B.

4.7 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX C.

Remark:

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

5. BANDWIDTH TEST

5.1 LIMIT

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

5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting:
 - For 6 dB Bandwidth : RBW= 100 kHz, VBW=300 kHz, Sweep time = auto.
 - For 99% Emission Bandwidth B/G/N-20 Mode: RBW= 300 KHz, VBW=1 MHz, Sweep time = 2.5 ms.
 - For 99% Emission Bandwidth N-40 Mode: RBW= 1 MHz, VBW=3 MHz, Sweep time = 2.5 ms.
- The bandwidth was performed in accordance with method 11.8.1 of ANSI C63.10-2013.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX D.

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 E.

7. CONDUCTED SPURIOUS EMISSIONS

7.1 LIMIT

For FCC

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.

For ISCED

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced 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 that the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

7.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting: RBW= 100 kHz, VBW=300 kHz, Sweep time = Auto.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX F.

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 G.

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. 29, 2020
2	TWO-LINE V-NETWORK	R&S	ENV216	101340	Sep. 01, 2020
3	Test Cable	emci	EMCRG400-BM-N M-10000	170628	Apr. 17, 2020
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 29, 2020
5	50Ω Terminator	SHX	TF2-1G-A	17051602	Mar. 29, 2020
6	50Ω coaxial switch	Anritsu	MP59B	6201750902	Mar. 29, 2020
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EMCI	EMCI LPA600	275	Mar. 29, 2020
2	EMI Test Receiver	R&S	ESCI	100082	Mar. 29, 2020
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	719	Mar. 29, 2020
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 29, 2020
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 29, 2020
4	Test Cable	emci	EMC104-SM-SM-7 000	170330	Apr. 17, 2020
5	Test Cable	emci	EMC104-SM-SM-1 000	170331	Apr. 17, 2020
6	Test Cable	emci	EMC104-SM-NM-3 500	170621	Apr. 17, 2020
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	9120D	00206960	Mar. 29, 2020
2	Pre-Amplifier	emci	EMC012645SE	980421	Mar. 29, 2020
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Mar. 29, 2020
4	Test Cable	emci	EMC104-SM-SM-7000	170330	Apr. 17, 2020
5	Test Cable	emci	EMC104-SM-SM-1000	170331	Apr. 17, 2020
6	Test Cable	emci	EMC104-SM-NM-3500	170621	Apr. 17, 2020
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 29, 2020
9	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	3116C	00203919	Mar. 29, 2020
10	Pre-Amplifier	emci	EMC184045SE	980409	Mar. 29, 2020
11	EXA Spectrum Analyzer	Keysight	N9010A	MY56480579	Mar. 29, 2020
12	Test Cable	emci	EMC102-KM-KM-800	170654	Apr. 17, 2020
13	Test Cable	emci	Super Reliable-40G-SS11-7000	W0030860001	Apr. 17, 2020
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. 29, 2020

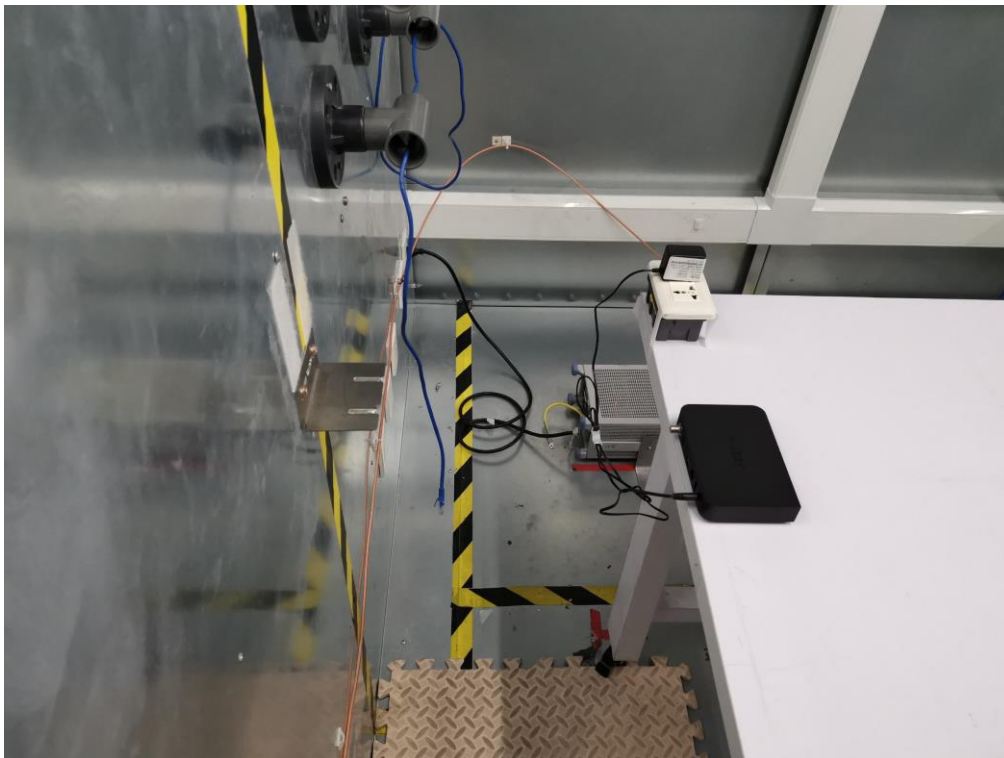
Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyze	Keysight	8990B	MY51000507	Mar. 29, 2020
2	Wideband Power Sensor	Keysight	N9123A	MY58310003	Mar. 29, 2020

Antenna Conducted Spurious Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 29, 2020

Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 29, 2020

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

All calibration period of equipment list is one year.

10. EUT TEST PHOTO**Conducted Emissions Test Photos**

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

Radiated Emissions Test Photos

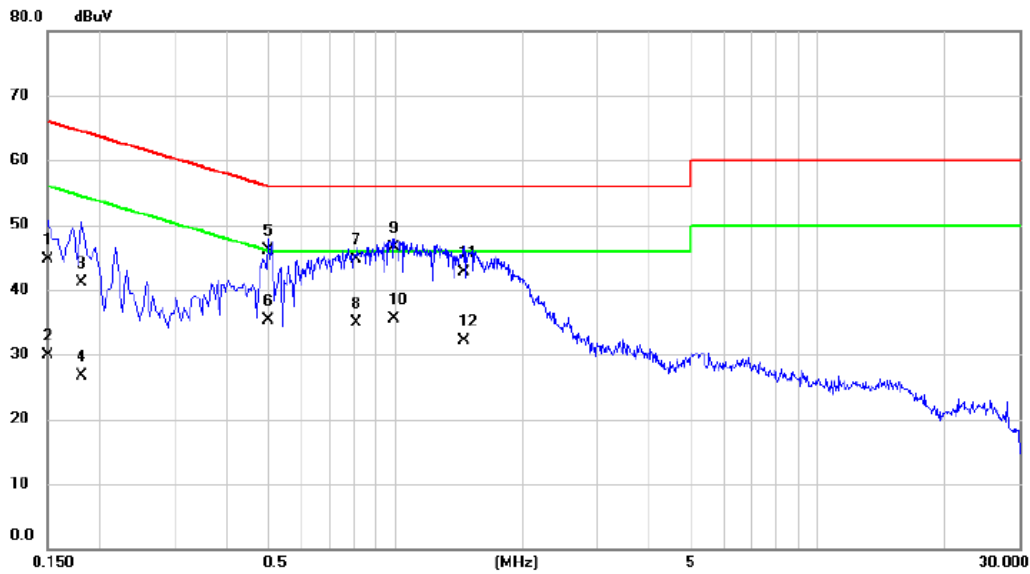
Above 1 GHz



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode: TX N40 Mode Channel 03 Adapter: MN012E-L120100

Line



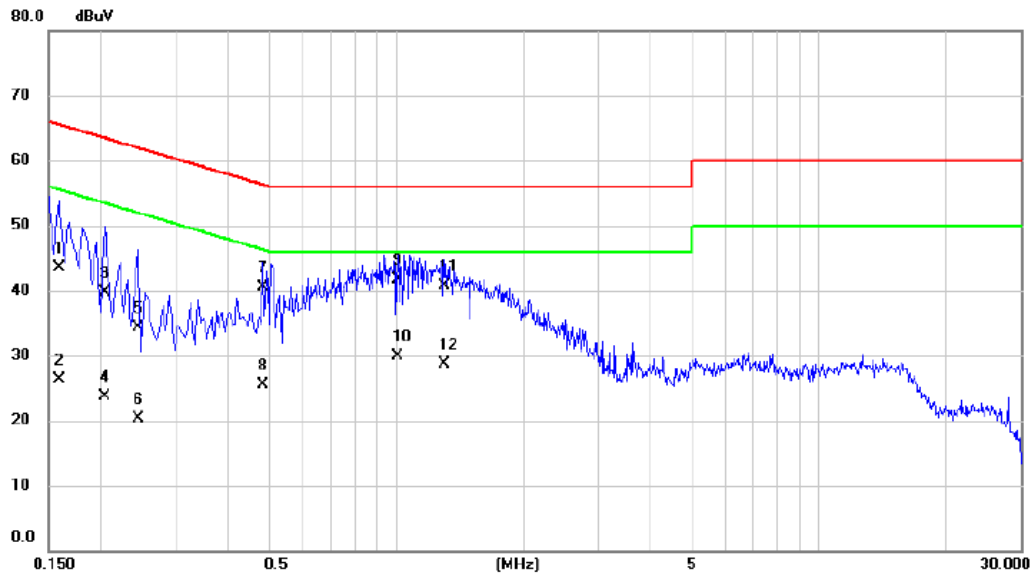
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	34.90	9.76	44.66	66.00	-21.34	QP	
2		0.1500	20.10	9.76	29.86	56.00	-26.14	AVG	
3		0.1815	31.20	9.81	41.01	64.42	-23.41	QP	
4		0.1815	16.80	9.81	26.61	54.42	-27.81	AVG	
5		0.5010	36.10	10.00	46.10	56.00	-9.90	QP	
6		0.5010	25.30	10.00	35.30	46.00	-10.70	AVG	
7		0.8115	34.90	9.82	44.72	56.00	-11.28	QP	
8		0.8115	25.00	9.82	34.82	46.00	-11.18	AVG	
9	*	0.9915	36.60	9.86	46.46	56.00	-9.54	QP	
10		0.9915	25.70	9.86	35.56	46.00	-10.44	AVG	
11		1.4550	32.90	9.82	42.72	56.00	-13.28	QP	
12		1.4550	22.30	9.82	32.12	46.00	-13.88	AVG	

REMARKS:

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

Test Mode: TX N40 Mode Channel 03 Adapter: MN012E-L120100

Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1590	33.90	9.60	43.50	65.52	-22.02	QP	
2		0.1590	16.80	9.60	26.40	55.52	-29.12	AVG	
3		0.2040	30.00	9.66	39.66	63.45	-23.79	QP	
4		0.2040	14.00	9.66	23.66	53.45	-29.79	AVG	
5		0.2445	24.60	9.71	34.31	61.94	-27.63	QP	
6		0.2445	10.50	9.71	20.21	51.94	-31.73	AVG	
7		0.4830	30.60	9.82	40.42	56.29	-15.87	QP	
8		0.4830	15.70	9.82	25.52	46.29	-20.77	AVG	
9	*	1.0095	31.90	9.72	41.62	56.00	-14.38	QP	
10		1.0095	20.10	9.72	29.82	46.00	-16.18	AVG	
11		1.2975	30.90	9.80	40.70	56.00	-15.30	QP	
12		1.2975	19.00	9.80	28.80	46.00	-17.20	AVG	

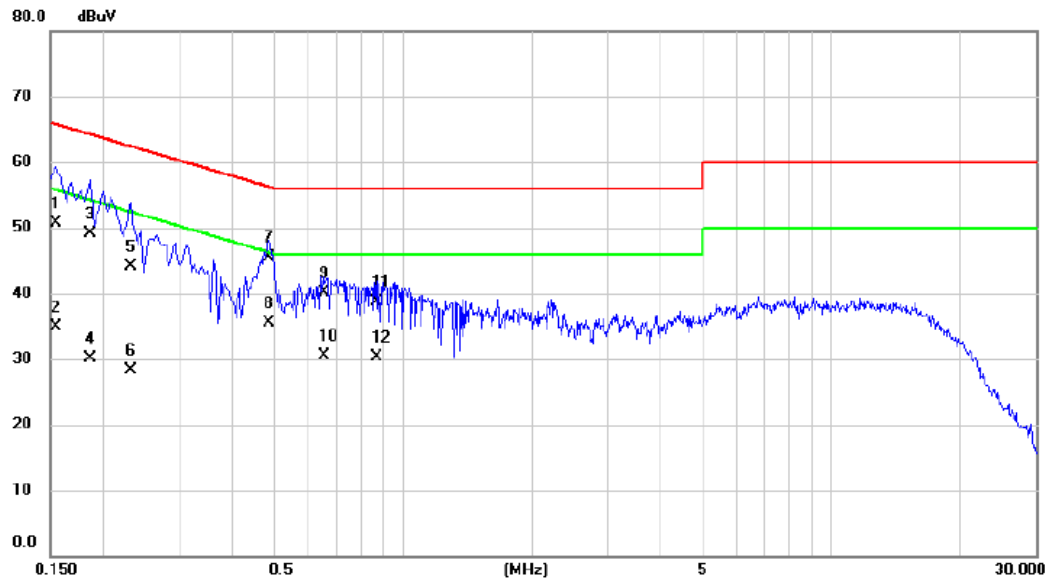
REMARKS:

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

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

Test Mode: TX N40 Mode Channel 03 Adapter: RD1201000-C55-35MGD

Line



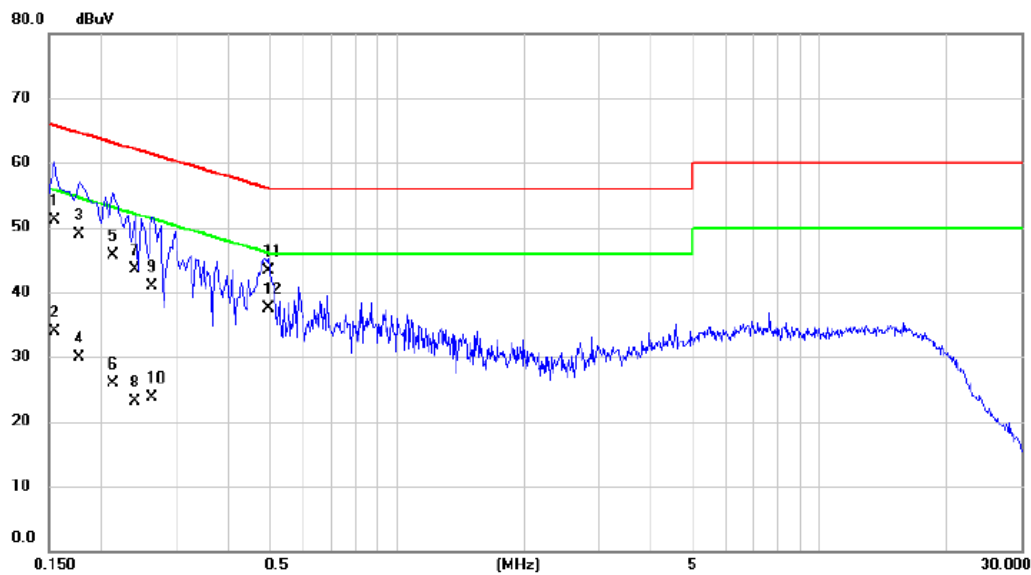
No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1545	41.00	9.77	50.77	65.75	-14.98	QP	
2	0.1545	25.10	9.77	34.87	55.75	-20.88	AVG	
3	0.1860	39.20	9.81	49.01	64.21	-15.20	QP	
4	0.1860	20.30	9.81	30.11	54.21	-24.10	AVG	
5	0.2310	34.20	9.85	44.05	62.41	-18.36	QP	
6	0.2310	18.50	9.85	28.35	52.41	-24.06	AVG	
7 *	0.4875	35.60	9.99	45.59	56.21	-10.62	QP	
8	0.4875	25.50	9.99	35.49	46.21	-10.72	AVG	
9	0.6540	30.20	9.93	40.13	56.00	-15.87	QP	
10	0.6540	20.60	9.93	30.53	46.00	-15.47	AVG	
11	0.8700	28.90	9.82	38.72	56.00	-17.28	QP	
12	0.8700	20.50	9.82	30.32	46.00	-15.68	AVG	

REMARKS:

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

Test Mode: TX N40 Mode Channel 03 Adapter: RD1201000-C55-35MGD

Neutral



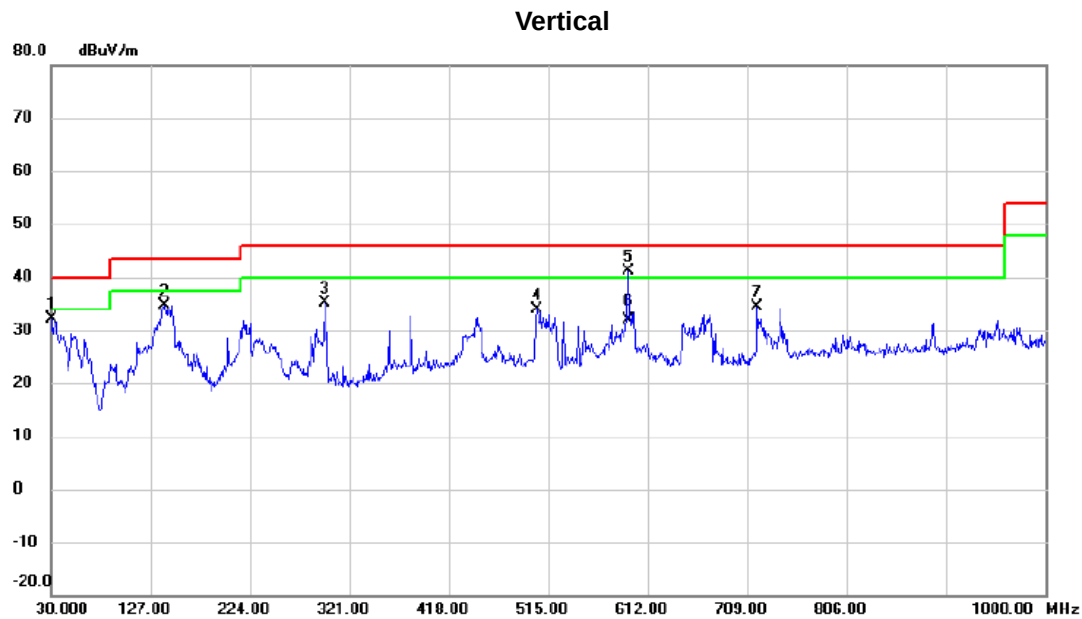
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1545	41.50	9.62	51.12	65.75	-14.63	QP	
2	0.1545	24.20	9.62	33.82	55.75	-21.93	AVG	
3	0.1770	39.30	9.60	48.90	64.63	-15.73	QP	
4	0.1770	20.40	9.60	30.00	54.63	-24.63	AVG	
5	0.2130	36.10	9.68	45.78	63.09	-17.31	QP	
6	0.2130	16.20	9.68	25.88	53.09	-27.21	AVG	
7	0.2400	33.80	9.71	43.51	62.10	-18.59	QP	
8	0.2400	13.40	9.71	23.11	52.10	-28.99	AVG	
9	0.2630	31.20	9.74	40.94	61.34	-20.40	QP	
10	0.2630	13.90	9.74	23.64	51.34	-27.70	AVG	
11	0.4965	33.40	9.83	43.23	56.06	-12.83	QP	
12 *	0.4965	27.60	9.83	37.43	46.06	-8.63	AVG	

REMARKS:

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

APPENDIX B - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode: TX N40 Mode Channel 03 Adapter: MN012E-L120100



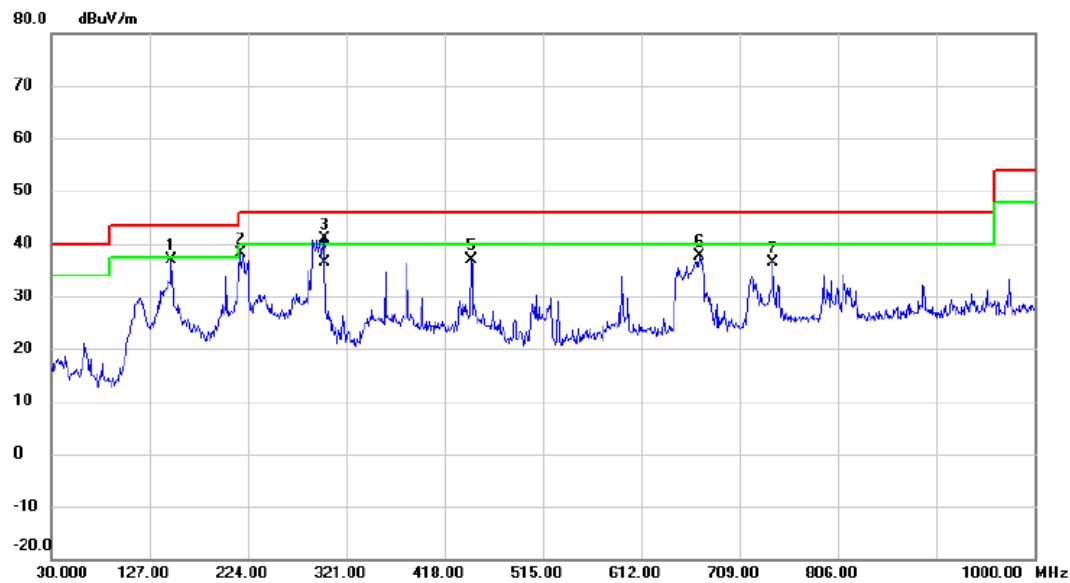
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		30.0000	49.51	-17.34	32.17	40.00	-7.83	peak	
2		140.0950	50.41	-15.68	34.73	43.50	-8.77	peak	
3		296.7500	49.74	-14.49	35.25	46.00	-10.75	peak	
4		503.3600	46.53	-12.53	34.00	46.00	-12.00	peak	
5	*	593.0850	50.21	-9.02	41.19	46.00	-4.81	peak	
6		593.0850	40.78	-9.02	31.76	46.00	-14.24	QP	
7		719.1850	42.11	-7.84	34.27	46.00	-11.73	peak	

REMARKS:

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

Test Mode: TX N40 Mode Channel 03 Adapter: MN012E-L120100

Horizontal



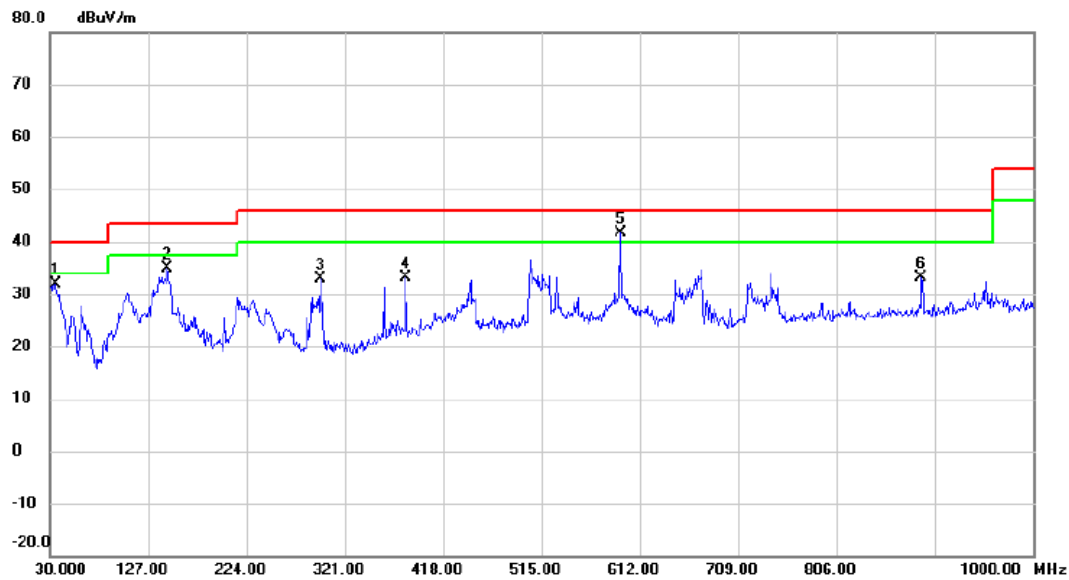
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		148.3400	51.70	-14.94	36.76	43.50	-6.74	peak	
2		216.2400	56.12	-18.10	38.02	46.00	-7.98	peak	
3	*	299.1750	55.23	-14.36	40.87	46.00	-5.13	peak	
4		299.1750	50.85	-14.36	36.49	46.00	-9.51	QP	
5		444.6750	49.84	-12.92	36.92	46.00	-9.08	peak	
6		669.7150	46.14	-8.53	37.61	46.00	-8.39	peak	
7		741.9800	43.32	-6.97	36.35	46.00	-9.65	peak	

REMARKS:

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

Test Mode: TX N40 Mode Channel 03 Adapter: RD12010000-C55-35

Vertical

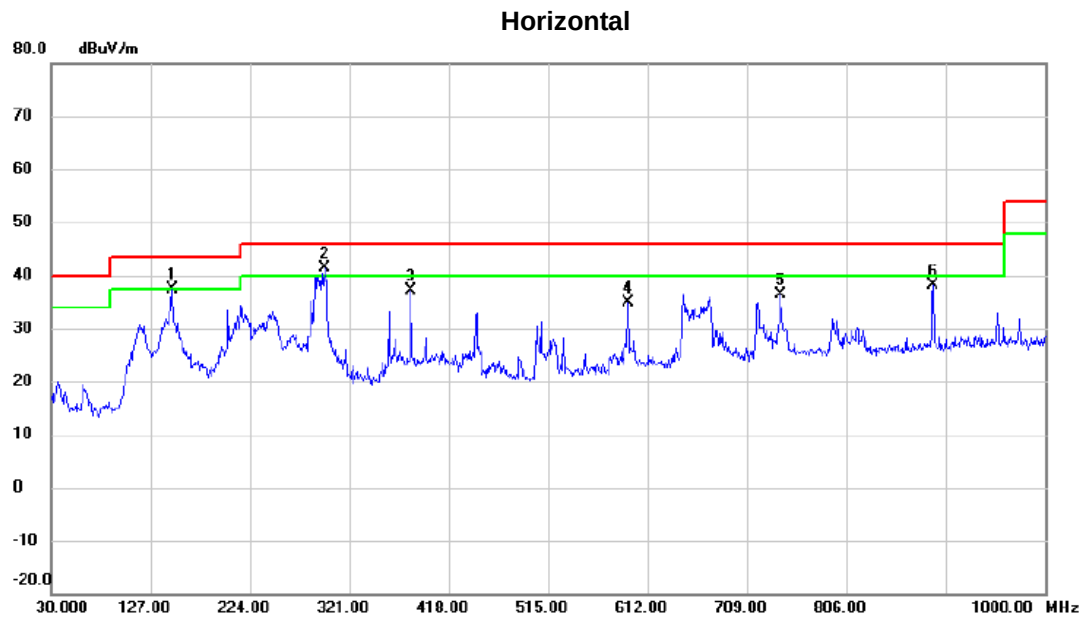


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		35.3350	49.05	-17.18	31.87	40.00	-8.13	peak	
2		145.4300	50.12	-15.21	34.91	43.50	-8.59	peak	
3		296.7500	47.28	-14.49	32.79	46.00	-13.21	peak	
4		381.1400	47.09	-13.93	33.16	46.00	-12.84	peak	
5	*	593.0850	50.58	-9.02	41.56	46.00	-4.44	peak	
6		889.9050	38.59	-5.54	33.05	46.00	-12.95	peak	

REMARKS:

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

Test Mode: TX N40 Mode Channel 03 Adapter: RD12010000-C55-35



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		148.3400	52.37	-14.94	37.43	43.50	-6.07	peak	
2	*	296.7500	55.94	-14.49	41.45	46.00	-4.55	peak	
3		381.1400	51.16	-13.93	37.23	46.00	-8.77	peak	
4		593.5700	43.93	-8.98	34.95	46.00	-11.05	peak	
5		741.9800	43.35	-6.97	36.38	46.00	-9.62	peak	
6		890.3900	43.70	-5.54	38.16	46.00	-7.84	peak	

REMARKS:

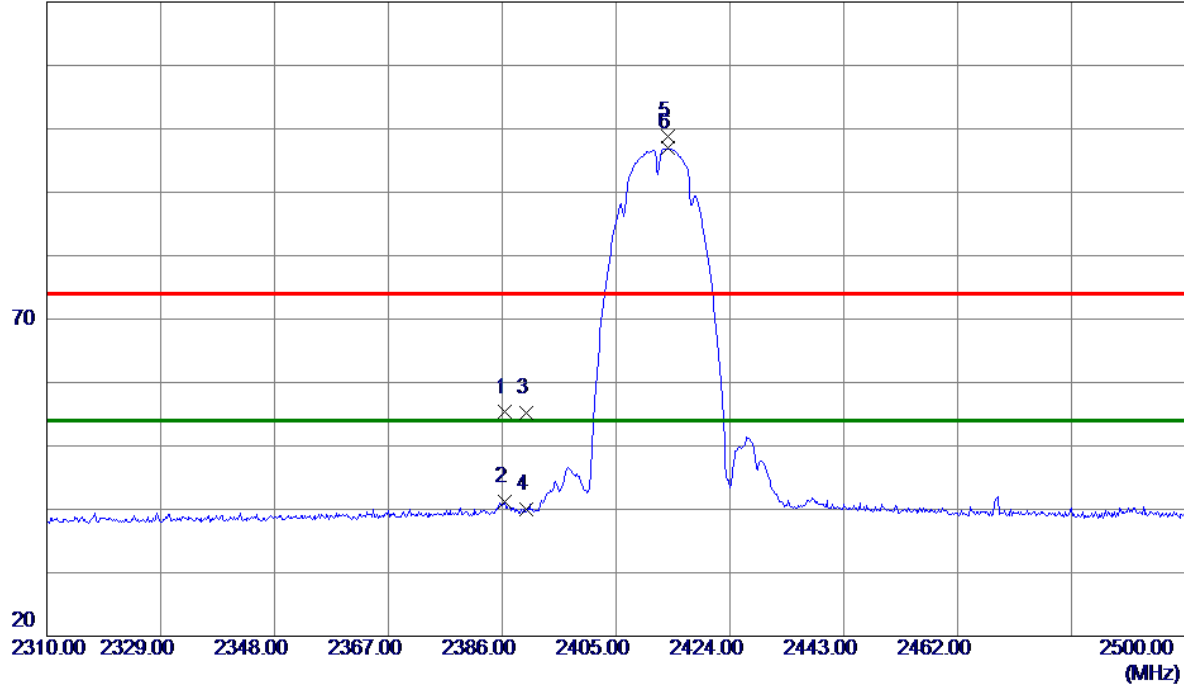
- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

APPENDIX C - RADIATED EMISSION- ABOVE 1000 MHZ

Test Mode: TX B Mode 2412 MHz

Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2386.3799	22.92	32.38	55.30	74.00	-18.70	Peak	
2	2386.3799	8.75	32.38	41.13	54.00	-12.87	AVG	
3	2390.0000	22.78	32.39	55.17	74.00	-18.83	Peak	
4	2390.0000	7.52	32.39	39.91	54.00	-14.09	AVG	
5	2413.7400	66.43	32.46	98.89	74.00	24.89	Peak	No limit
6 *	2413.7400	64.44	32.46	96.90	54.00	42.90	AVG	No limit

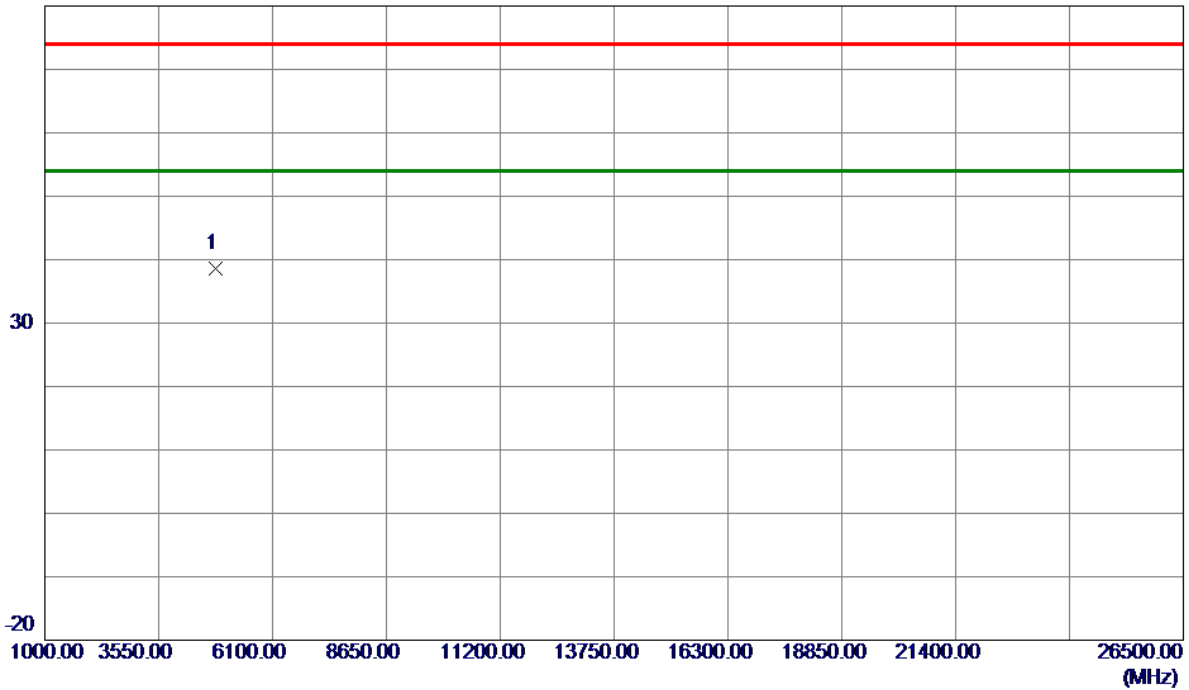
REMARKS:

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

Test Mode: TX B Mode 2412 MHz

Vertical

80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.0000	48.35	-9.69	38.66	74.00	-35.34	Peak	

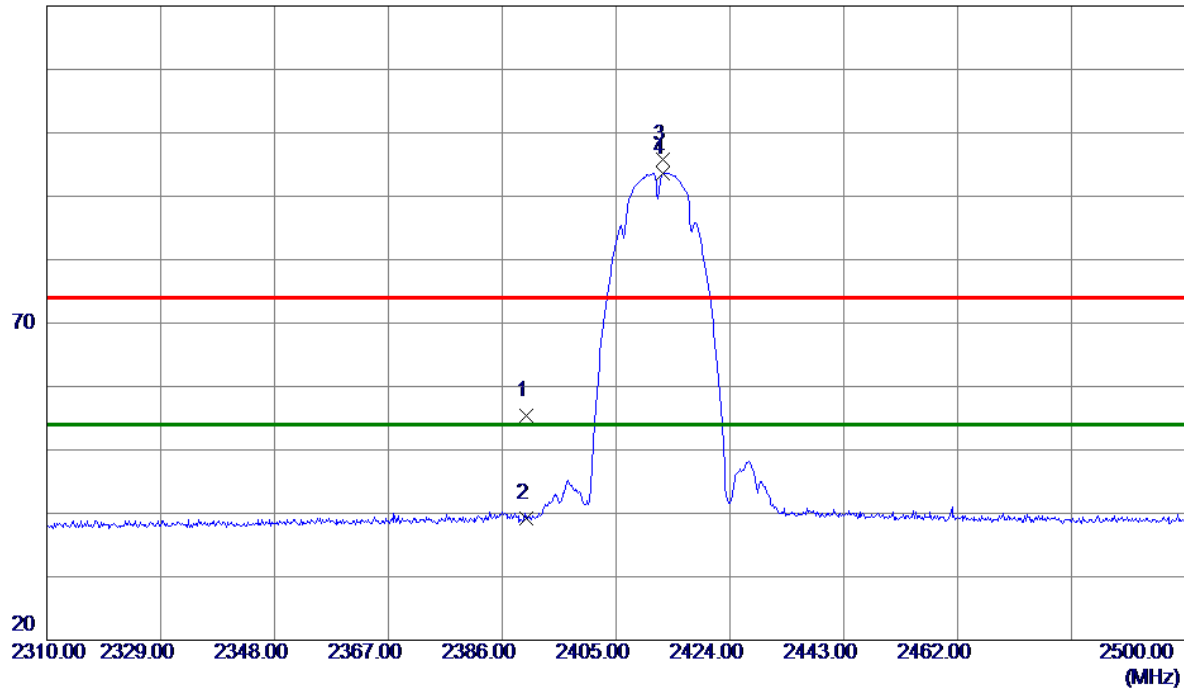
REMARKS:

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

Test Mode: TX B Mode 2412 MHz

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.08	32.39	55.47	74.00	-18.53	Peak	
2	2390.0000	6.82	32.39	39.21	54.00	-14.79	AVG	
3	2412.7900	63.28	32.46	95.74	74.00	21.74	Peak	No limit
4 *	2412.7900	61.19	32.46	93.65	54.00	39.65	AVG	No limit

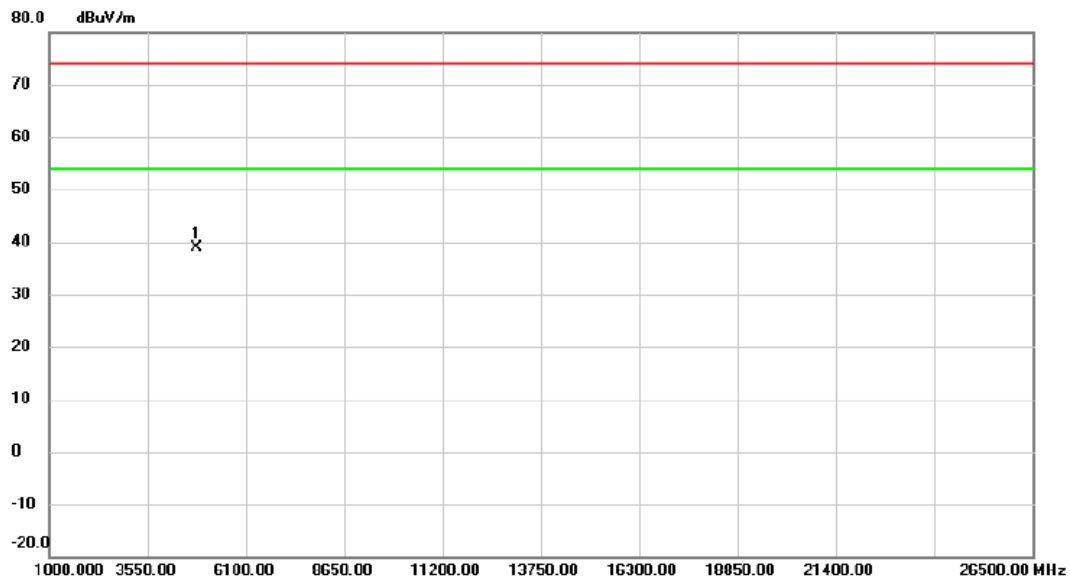
REMARKS:

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

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

Test Mode: TX B Mode 2412 MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4824.000	48.54	-9.69	38.85	74.00	-35.15	peak	

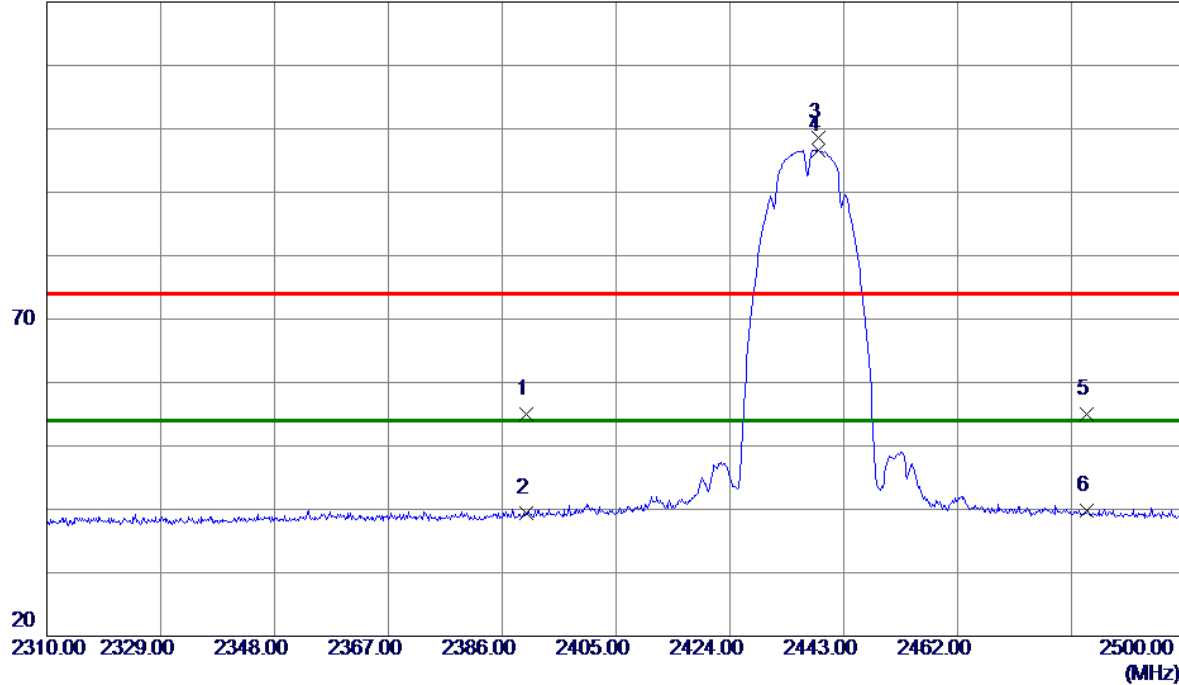
REMARKS:

- (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	2390.0000	22.63	32.39	55.02	74.00	-18.98	Peak	
2	2390.0000	7.04	32.39	39.43	54.00	-14.57	AVG	
3	2438.8200	66.10	32.53	98.63	74.00	24.63	Peak	No limit
4 *	2438.8200	64.13	32.53	96.66	54.00	42.66	AVG	No limit
5	2483.5000	22.40	32.66	55.06	74.00	-18.94	Peak	
6	2483.5000	7.16	32.66	39.82	54.00	-14.18	AVG	

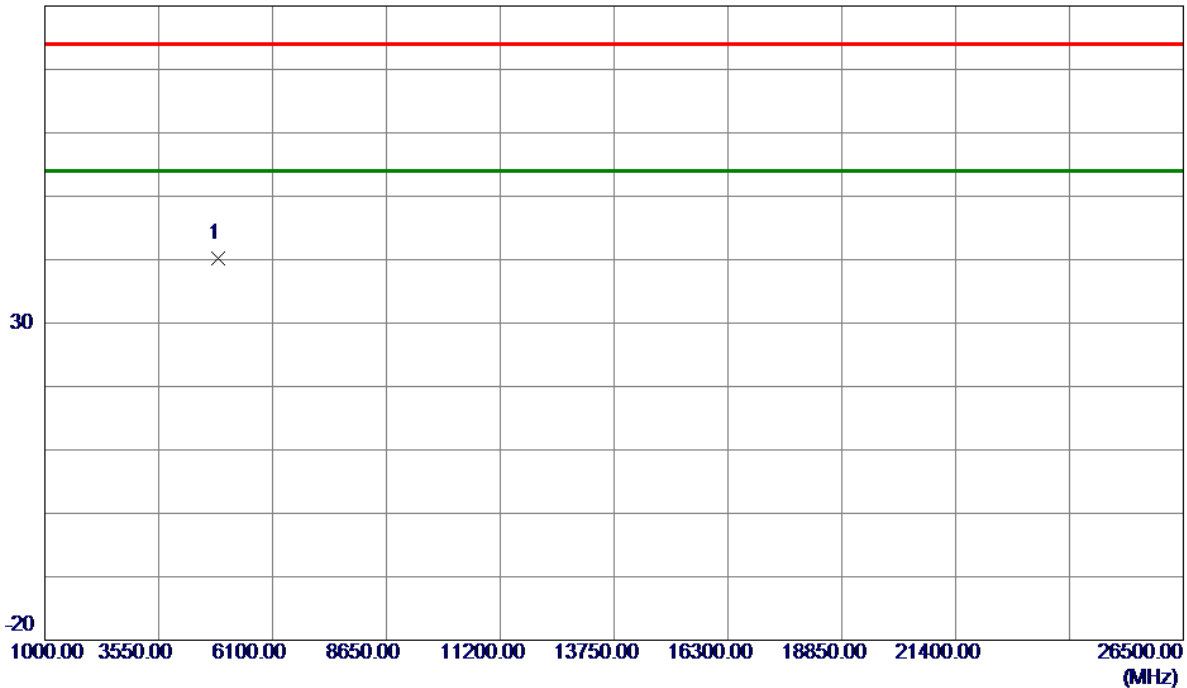
REMARKS:

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

Test Mode:	TX B Mode 2437 MHz
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Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	49.64	-9.50	40.14	74.00	-33.86	Peak	

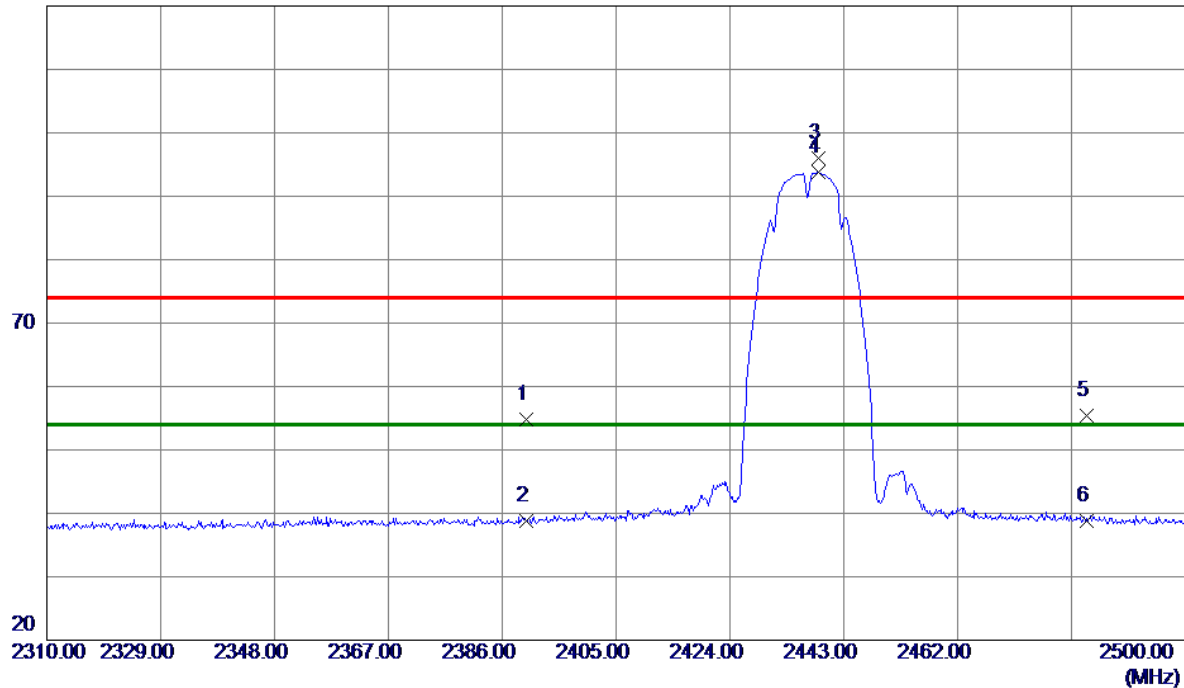
REMARKS:

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

Test Mode: TX B Mode 2437 MHz

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.35	32.39	54.74	74.00	-19.26	Peak	
2	2390.0000	6.47	32.39	38.86	54.00	-15.14	AVG	
3	2438.8200	63.38	32.53	95.91	74.00	21.91	Peak	No limit
4 *	2438.8200	61.24	32.53	93.77	54.00	39.77	AVG	No limit
5	2483.5000	22.79	32.66	55.45	74.00	-18.55	Peak	
6	2483.5000	6.18	32.66	38.84	54.00	-15.16	AVG	

REMARKS:

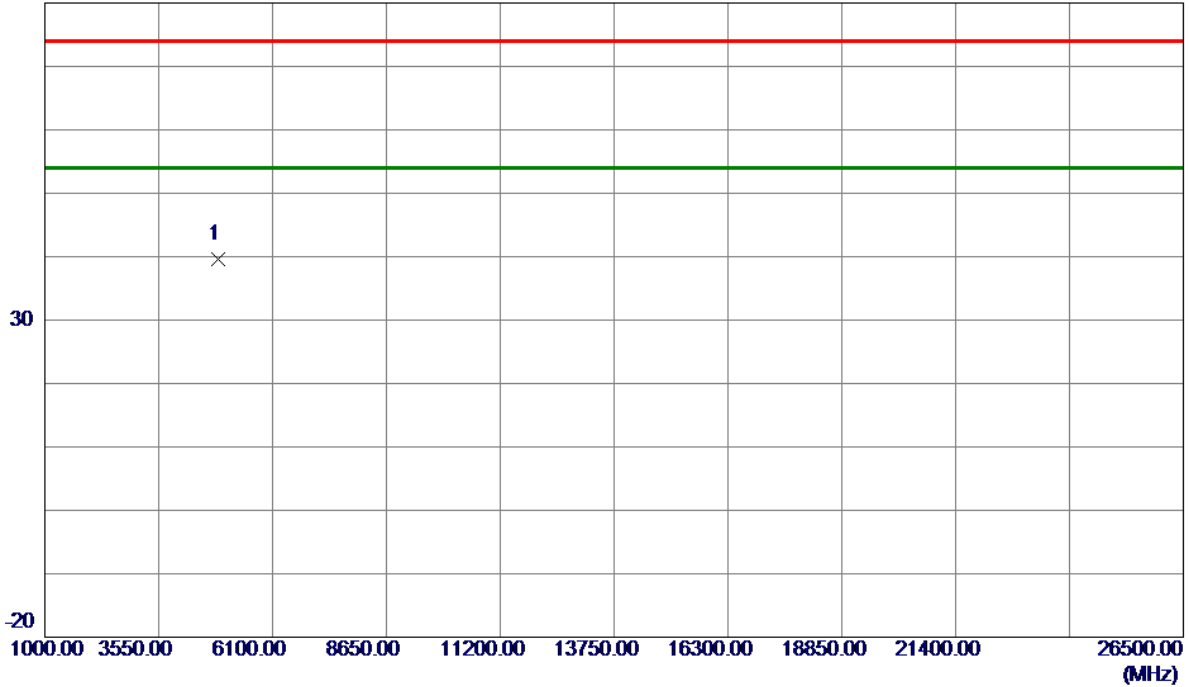
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode:	TX B Mode 2437 MHz
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Horizontal

80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874.0000	49.19	-9.50	39.69	74.00	-34.31	Peak	

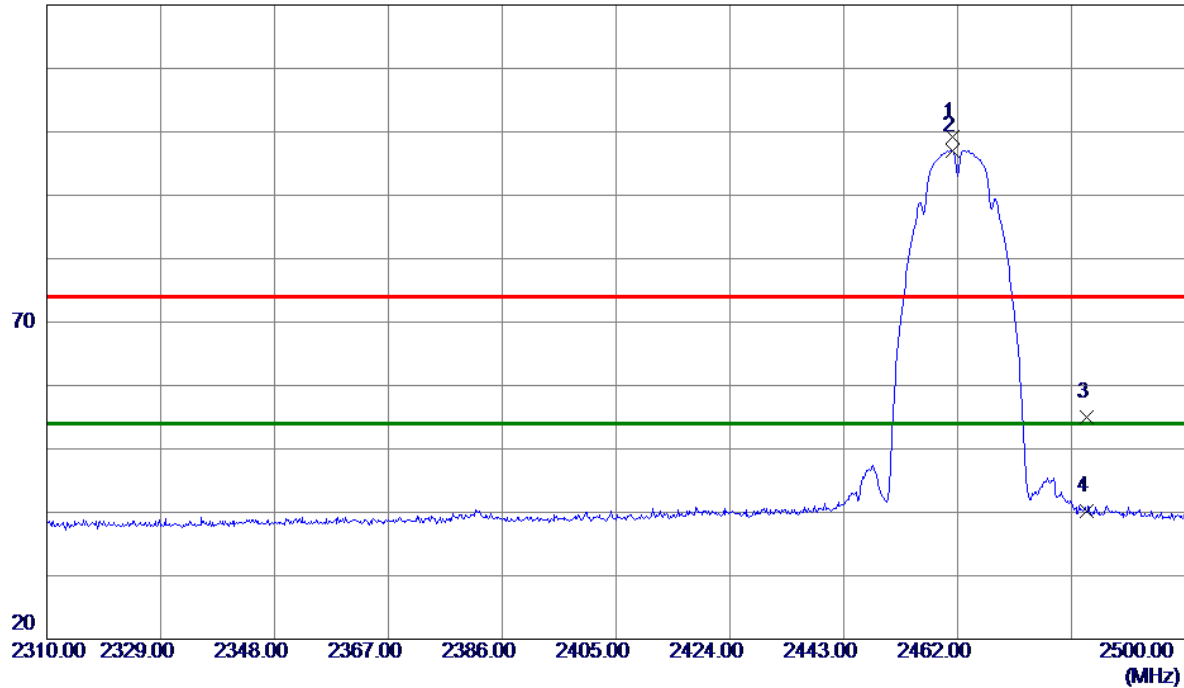
REMARKS:

- (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	2461.2400	66.54	32.60	99.14	74.00	25.14	Peak	No limit
2 *	2461.2400	64.49	32.60	97.09	54.00	43.09	AVG	No limit
3	2483.5000	22.40	32.66	55.06	74.00	-18.94	Peak	
4	2483.5000	7.52	32.66	40.18	54.00	-13.82	AVG	

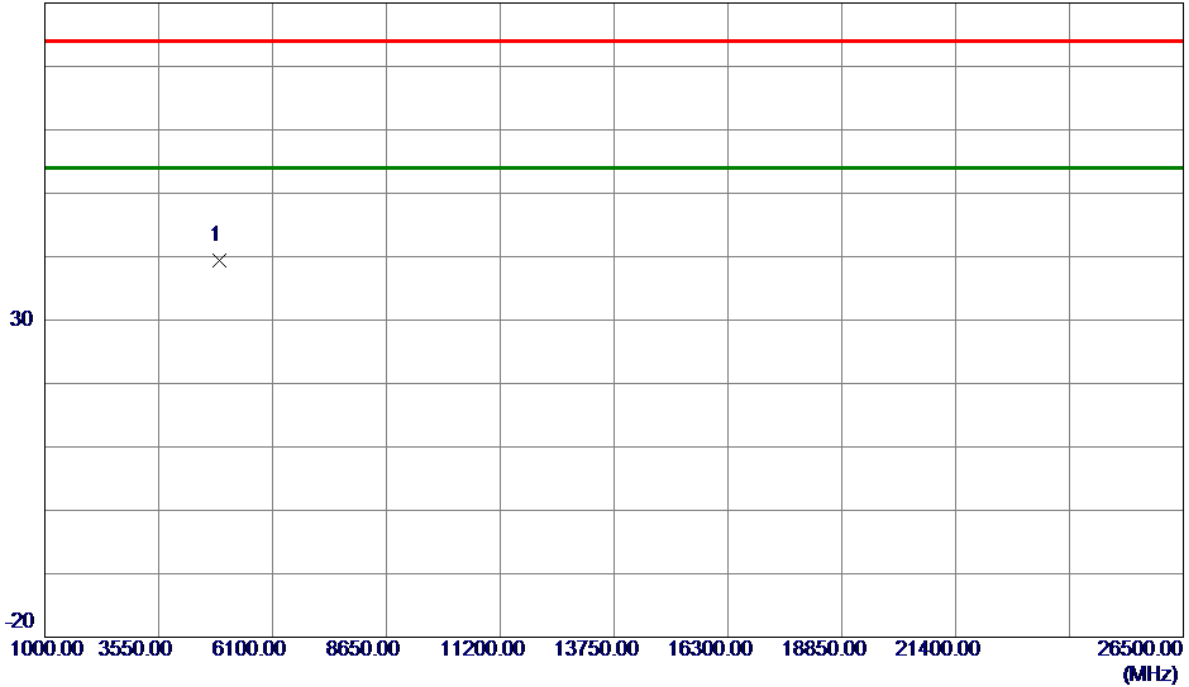
REMARKS:

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

Test Mode:	TX B Mode 2462 MHz
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Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.0000	48.79	-9.31	39.48	74.00	-34.52	Peak	

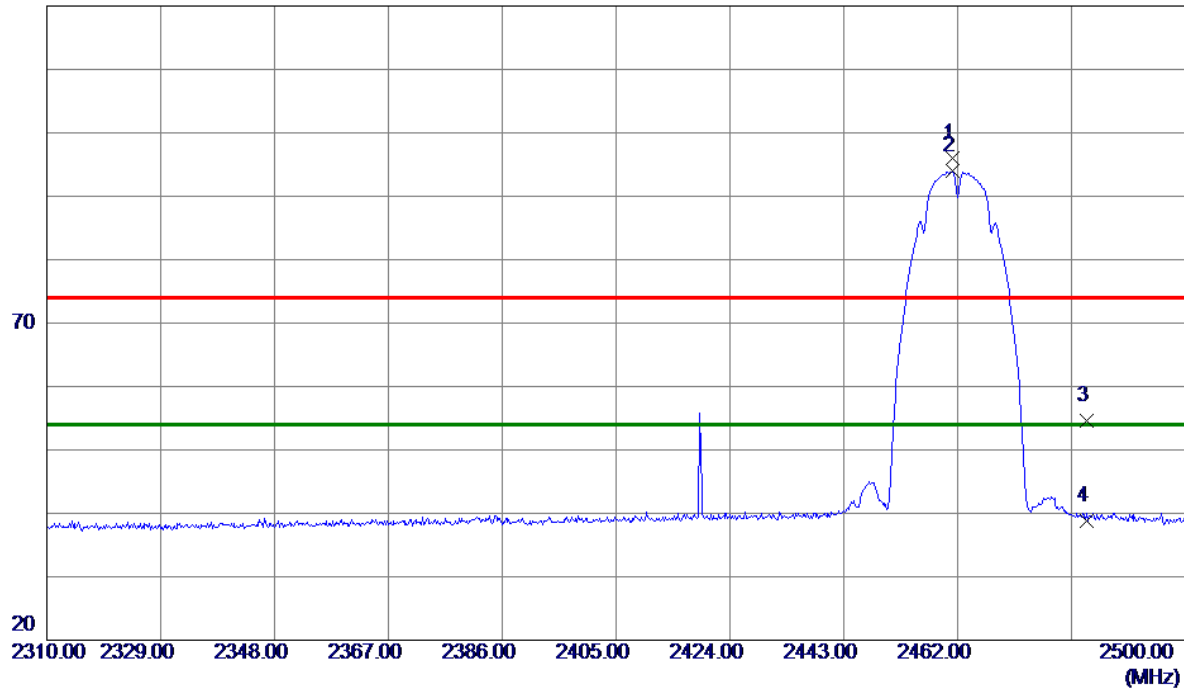
REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.2400	63.42	32.60	96.02	74.00	22.02	Peak	No limit
2 *	2461.2400	61.32	32.60	93.92	54.00	39.92	AVG	No limit
3	2483.5000	21.97	32.66	54.63	74.00	-19.37	Peak	
4	2483.5000	6.19	32.66	38.85	54.00	-15.15	AVG	

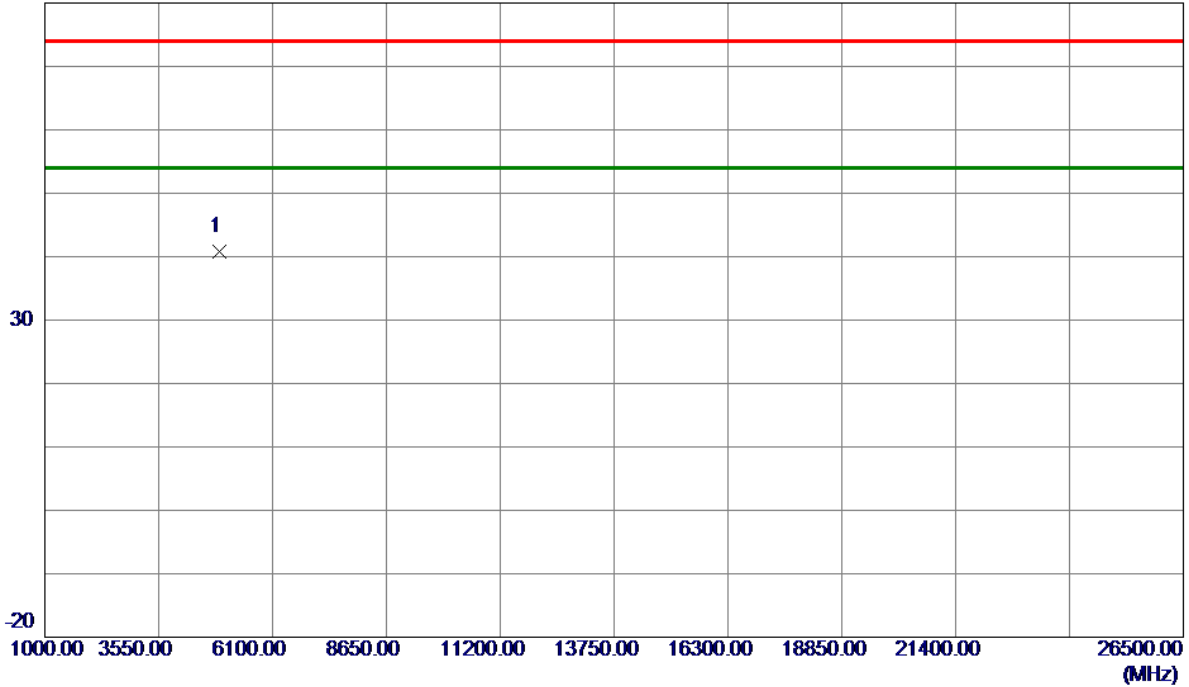
REMARKS:

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

Test Mode:	TX B Mode 2462 MHz
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Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.0000	50.09	-9.31	40.78	74.00	-33.22	Peak	

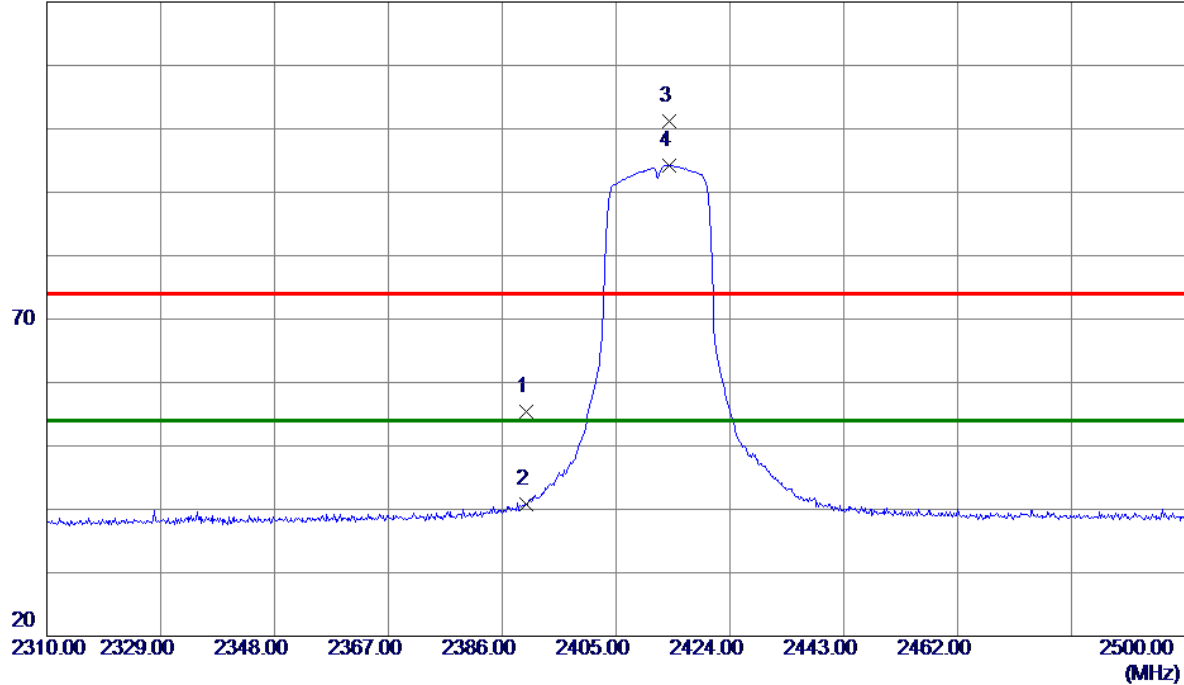
REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.08	32.39	55.47	74.00	-18.53	Peak	
2	2390.0000	8.49	32.39	40.88	54.00	-13.12	AVG	
3	2413.9300	68.77	32.46	101.23	74.00	27.23	Peak	No limit
4 *	2413.9300	61.81	32.46	94.27	54.00	40.27	AVG	No limit

REMARKS:

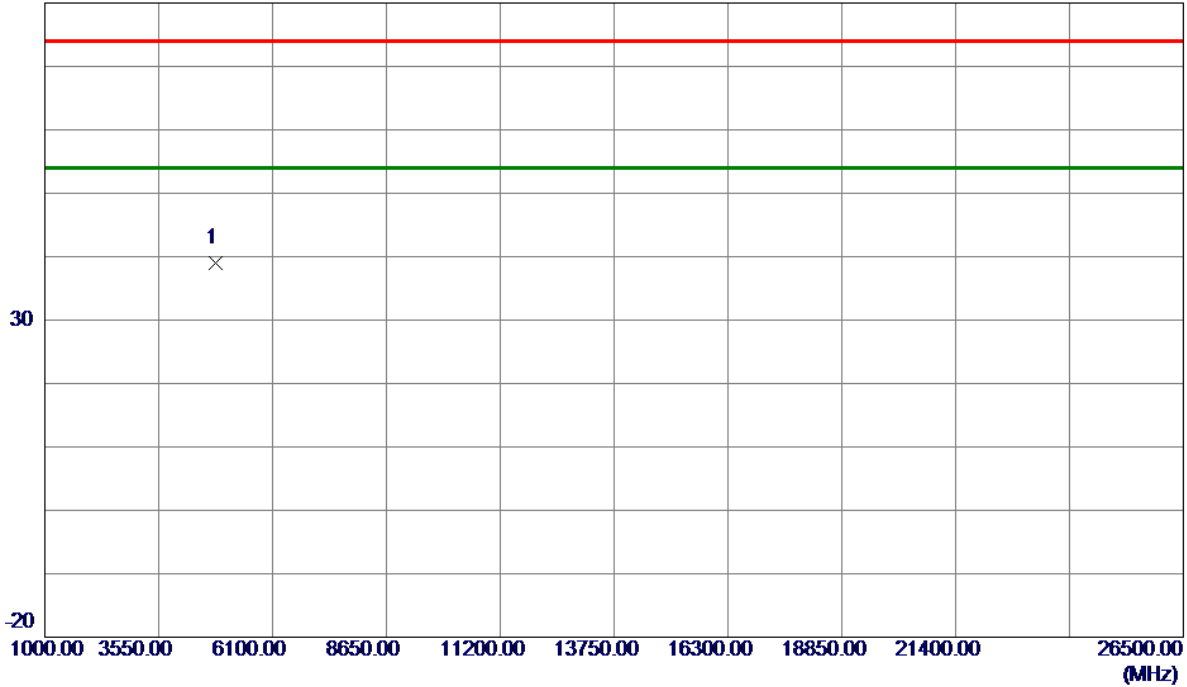
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode:	TX G Mode 2412 MHz
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Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0000	48.73	-9.69	39.04	74.00	-34.96	Peak	

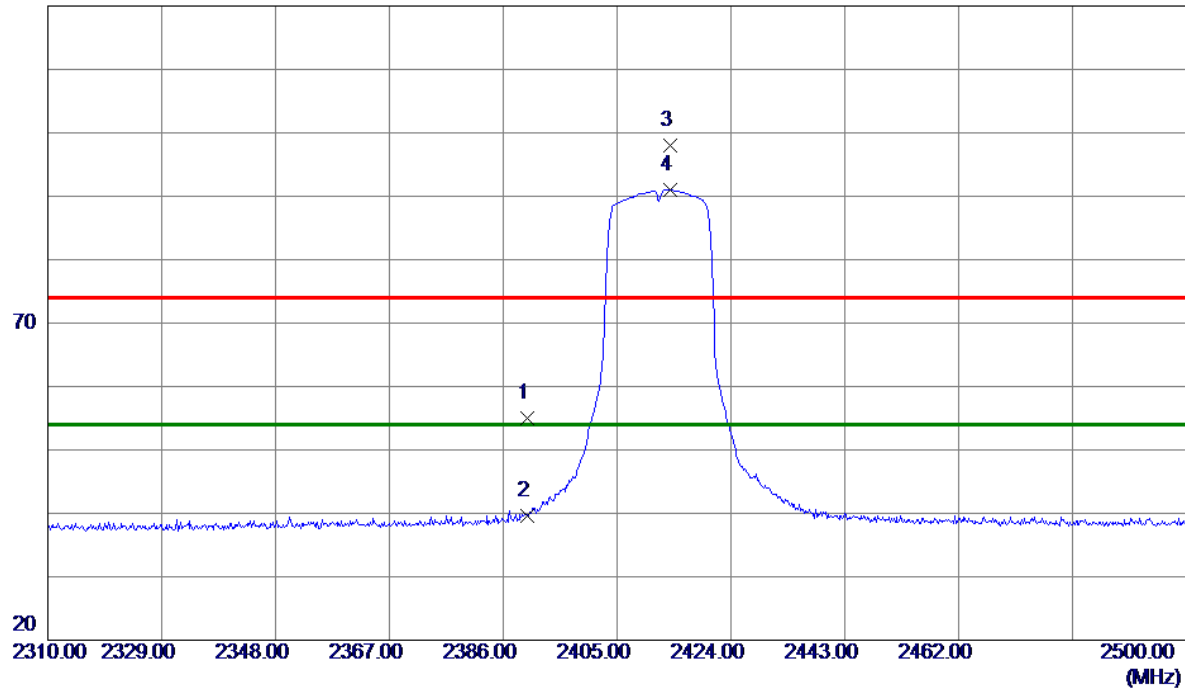
REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.52	32.39	54.91	74.00	-19.09	Peak	
2	2390.0000	7.27	32.39	39.66	54.00	-14.34	AVG	
3	2413.9300	65.61	32.46	98.07	74.00	24.07	Peak	No limit
4 *	2413.9300	58.60	32.46	91.06	54.00	37.06	AVG	No limit

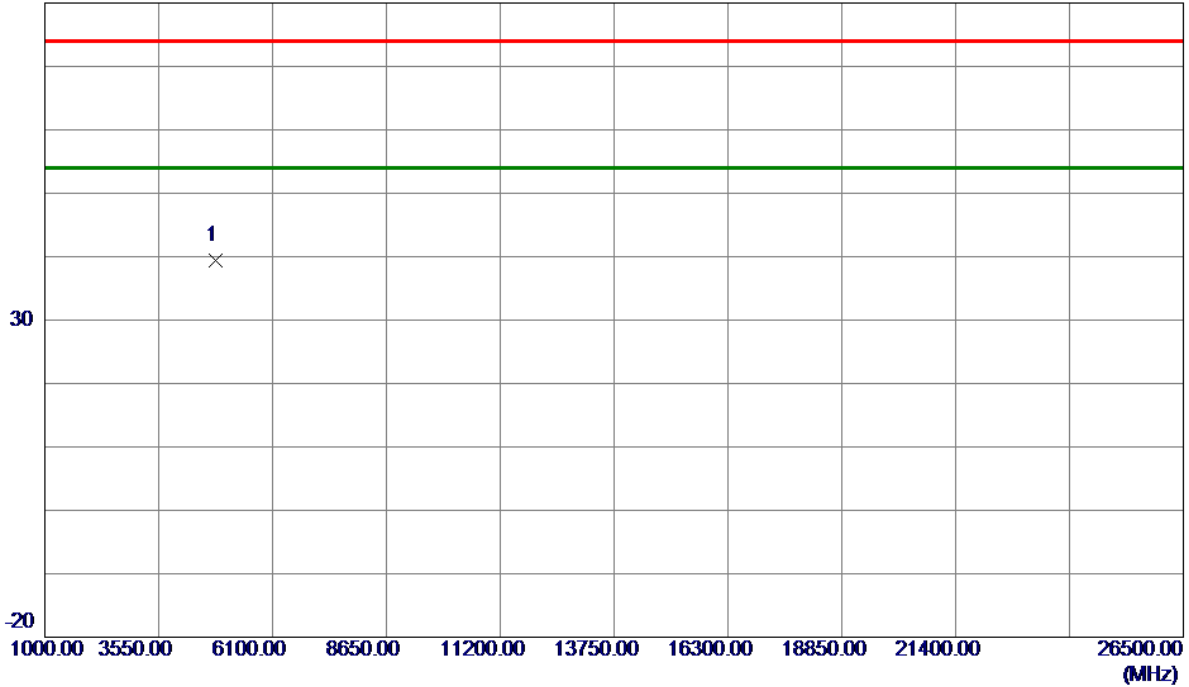
REMARKS:

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

Test Mode:	TX G Mode 2412 MHz
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Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0000	49.15	-9.69	39.46	74.00	-34.54	Peak	

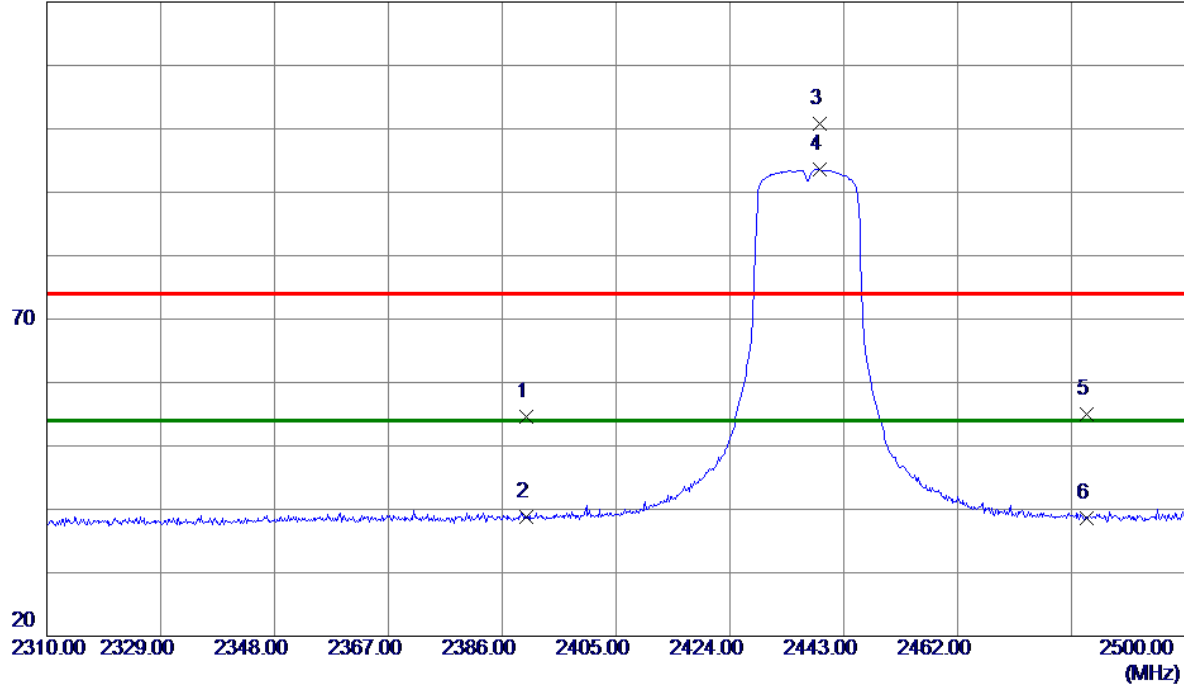
REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.20	32.39	54.59	74.00	-19.41	Peak	
2	2390.0000	6.43	32.39	38.82	54.00	-15.18	AVG	
3	2439.0100	68.31	32.53	100.84	74.00	26.84	Peak	No limit
4 *	2439.0100	61.05	32.53	93.58	54.00	39.58	AVG	No limit
5	2483.5000	22.26	32.66	54.92	74.00	-19.08	Peak	
6	2483.5000	6.02	32.66	38.68	54.00	-15.32	AVG	

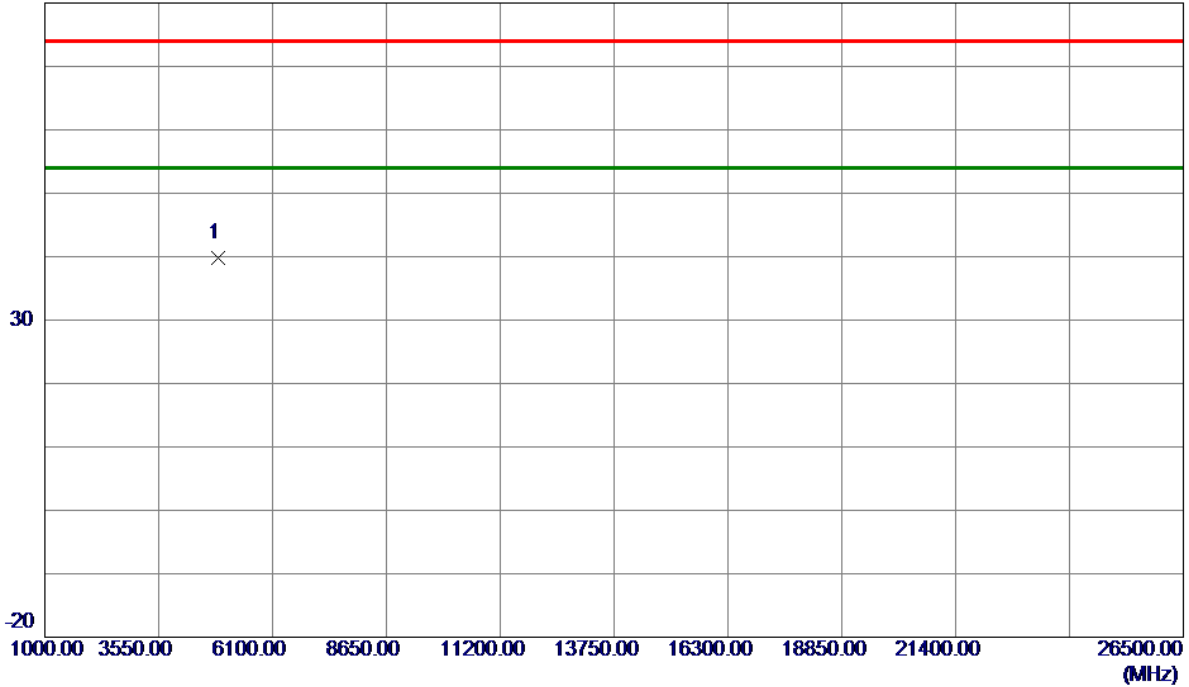
REMARKS:

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

Test Mode:	TX G Mode 2437 MHz
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Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	49.28	-9.50	39.78	74.00	-34.22	Peak	

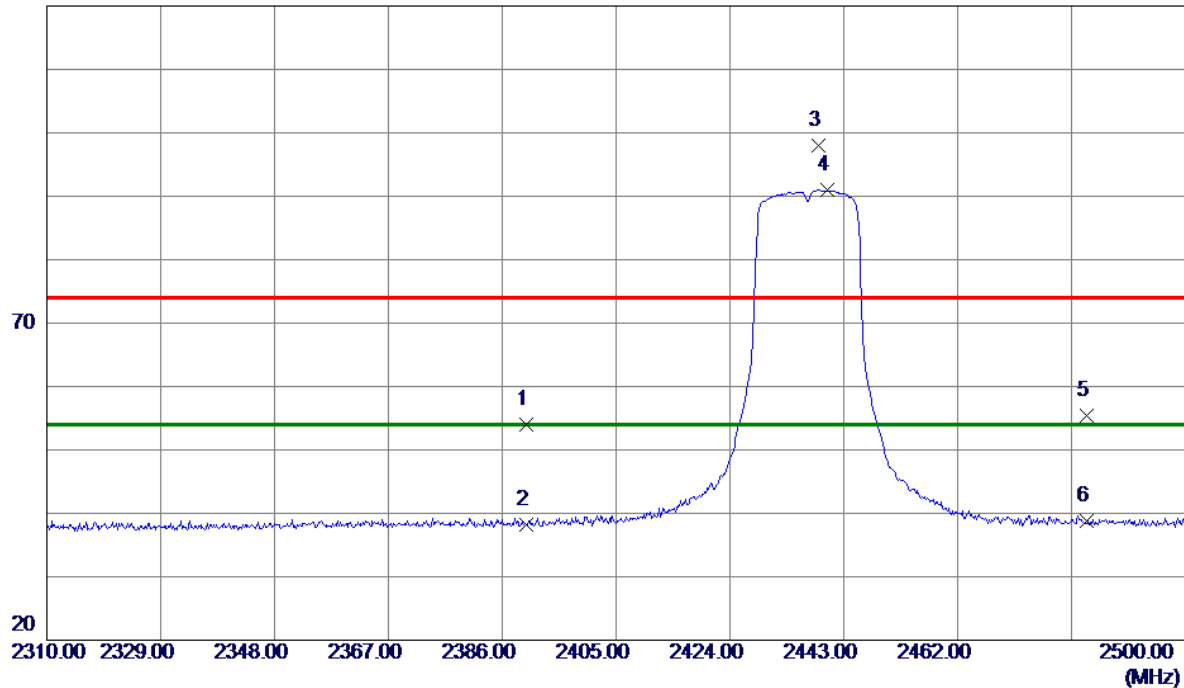
REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	21.59	32.39	53.98	74.00	-20.02	Peak	
2	2390.0000	5.73	32.39	38.12	54.00	-15.88	AVG	
3	2438.8200	65.42	32.53	97.95	74.00	23.95	Peak	No limit
4 *	2440.3400	58.40	32.54	90.94	54.00	36.94	AVG	No limit
5	2483.5000	22.73	32.66	55.39	74.00	-18.61	Peak	
6	2483.5000	6.22	32.66	38.88	54.00	-15.12	AVG	

REMARKS:

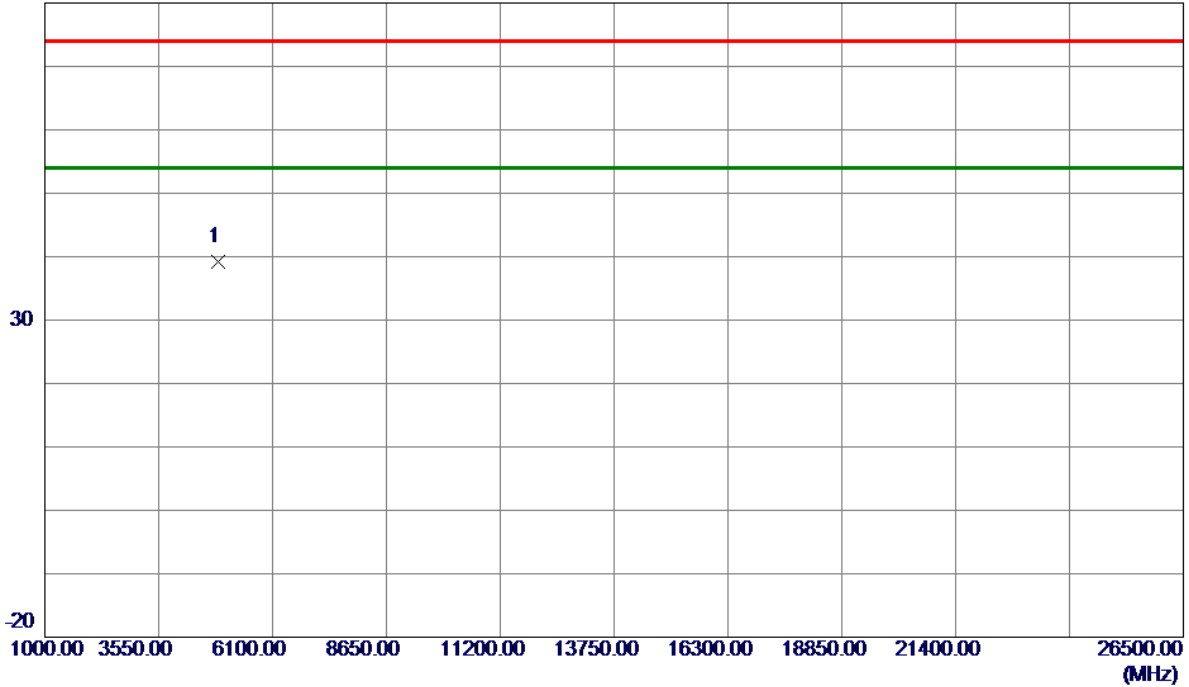
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode:	TX G Mode 2437 MHz
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Horizontal

80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874.0000	48.73	-9.50	39.23	74.00	-34.77	Peak	

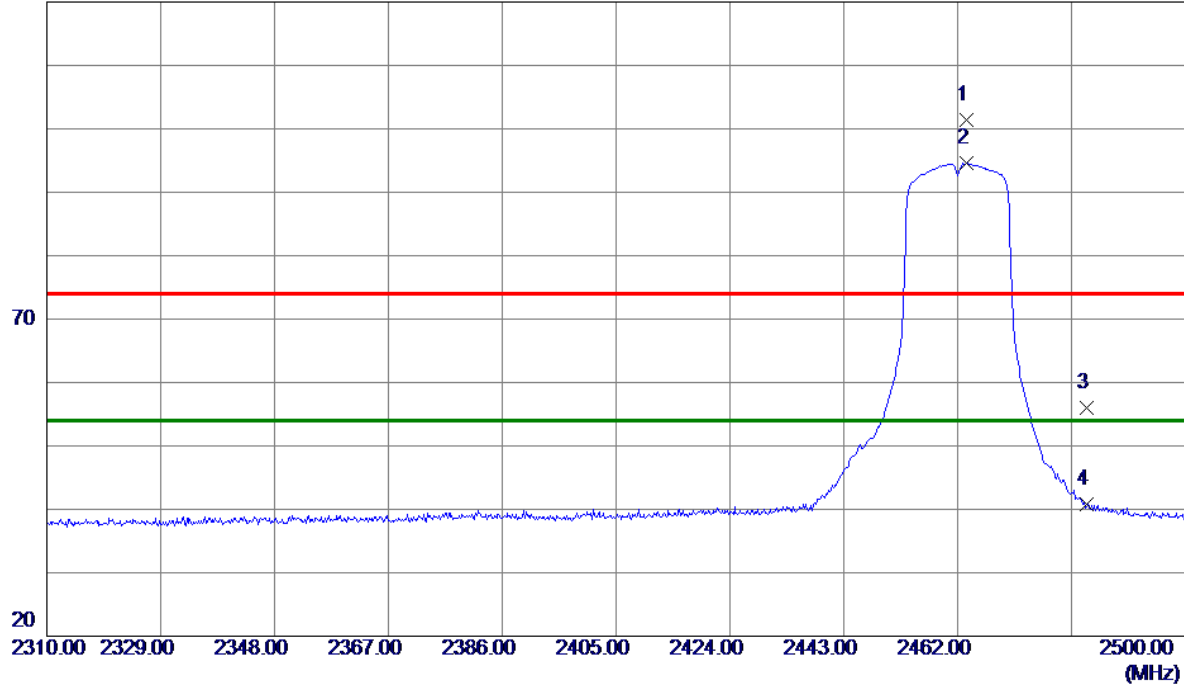
REMARKS:

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

Test Mode:	TX G Mode 2462 MHz
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Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2463.5200	68.85	32.60	101.45	74.00	27.45	Peak	No limit
2 *	2463.5200	61.97	32.60	94.57	54.00	40.57	AVG	No limit
3	2483.5000	23.42	32.66	56.08	74.00	-17.92	Peak	
4	2483.5000	8.22	32.66	40.88	54.00	-13.12	AVG	

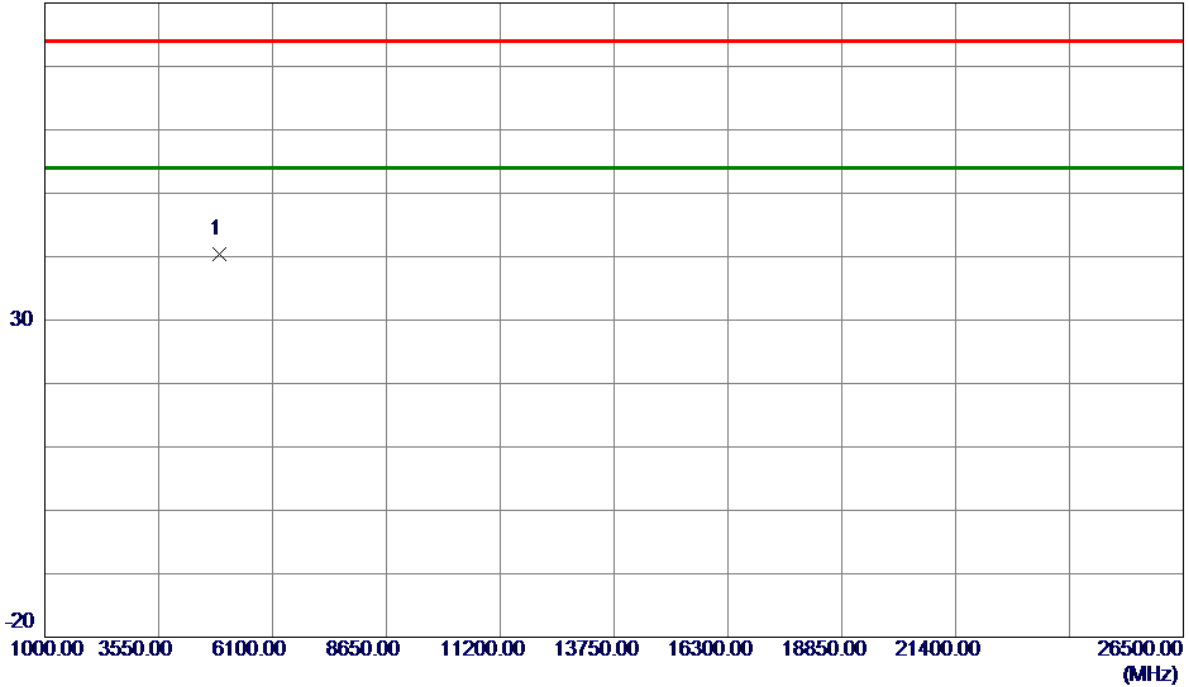
REMARKS:

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

Test Mode:	TX G Mode 2462 MHz
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Vertical

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 *	4924.0000	49.64	-9.31	40.33	74.00	-33.67	Peak	

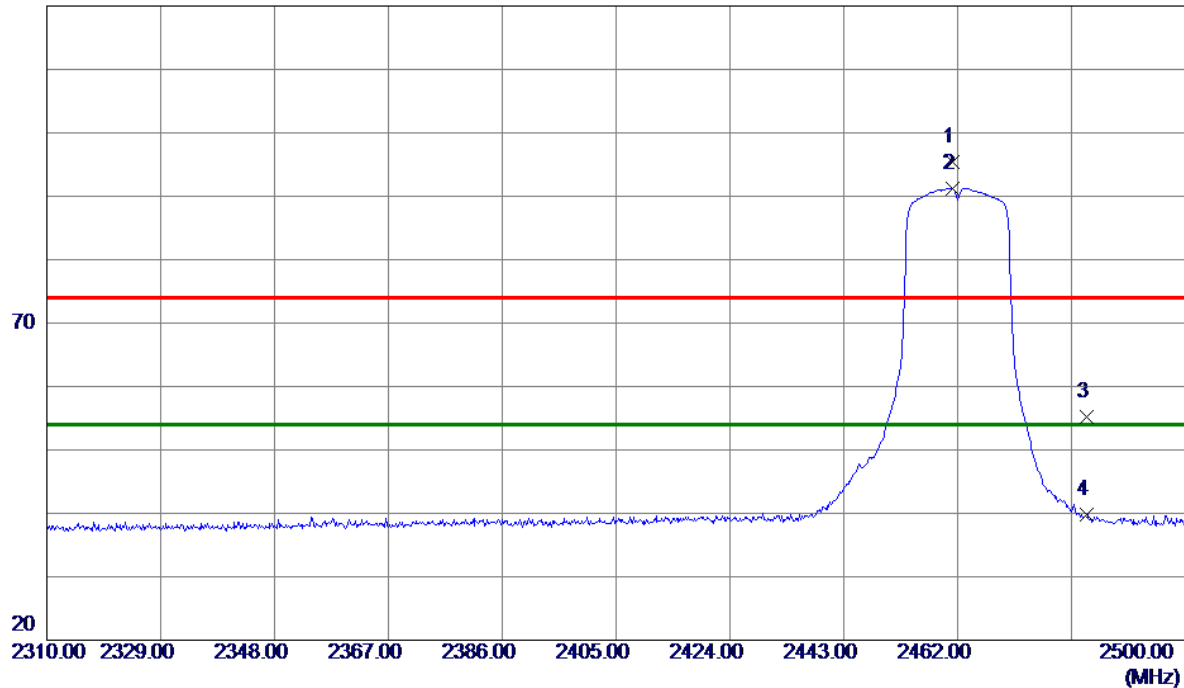
REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.0500	62.80	32.60	95.40	74.00	21.40	Peak	No limit
2 *	2461.0500	58.67	32.60	91.27	54.00	37.27	AVG	No limit
3	2483.5000	22.56	32.66	55.22	74.00	-18.78	Peak	
4	2483.5000	7.16	32.66	39.82	54.00	-14.18	AVG	

REMARKS:

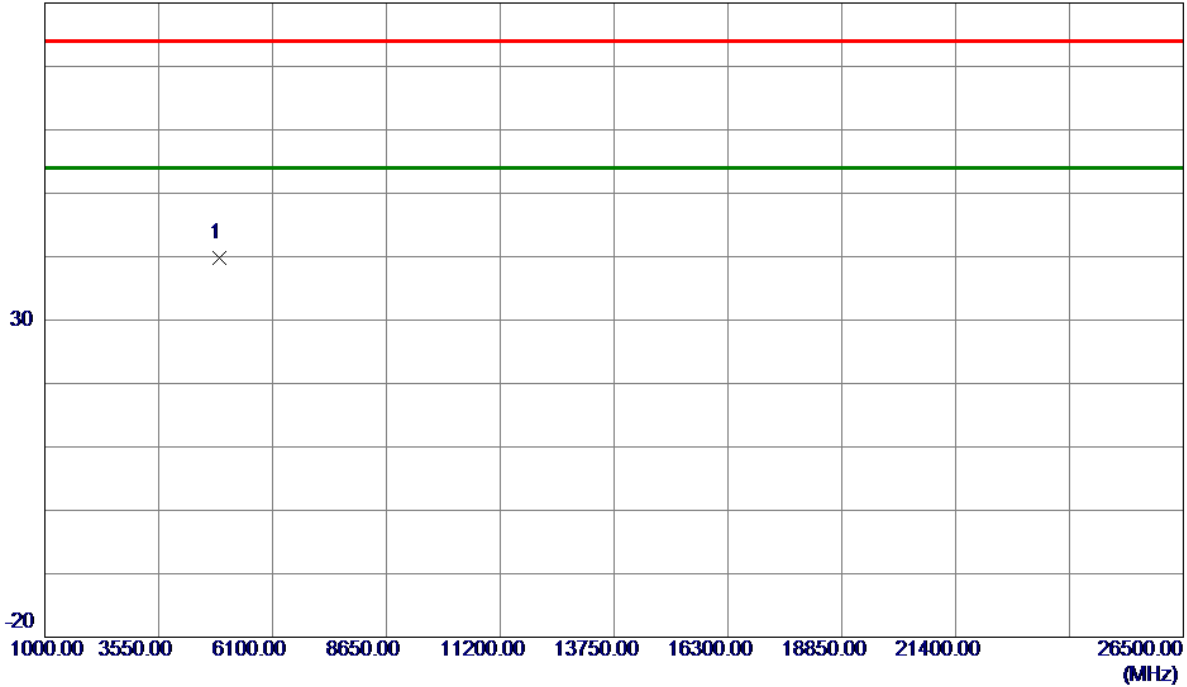
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode: TX G Mode 2462 MHz

Horizontal

80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924.0000	49.13	-9.31	39.82	74.00	-34.18	Peak	

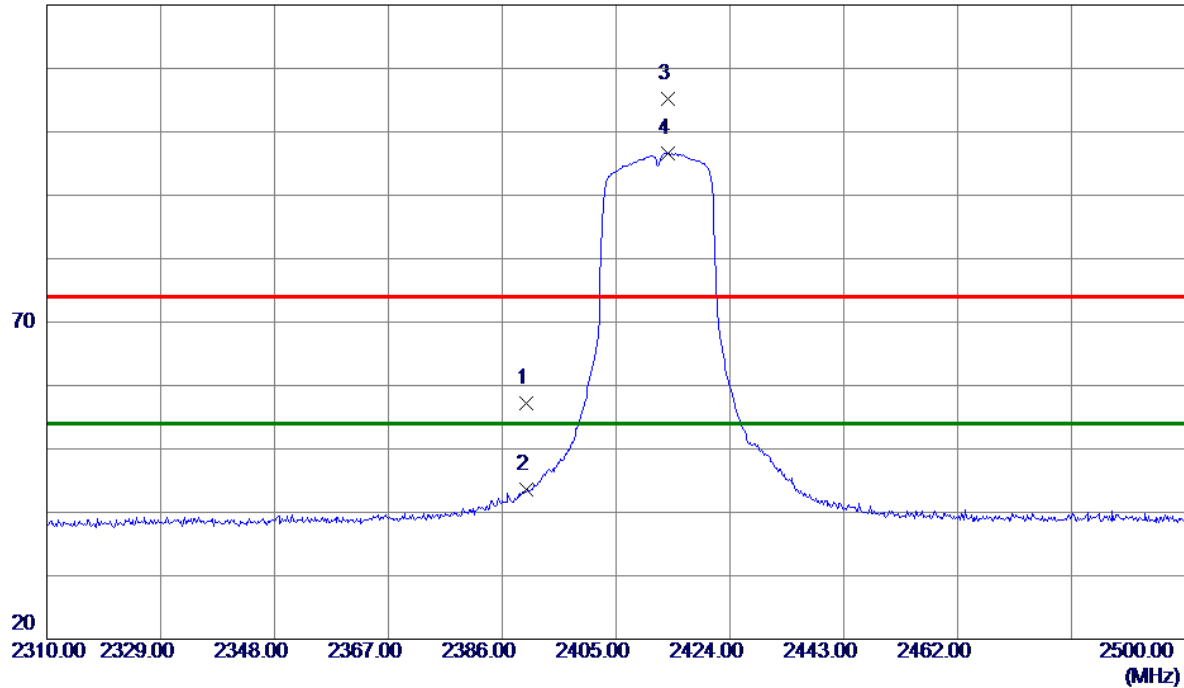
REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.87	32.39	57.26	74.00	-16.74	Peak	
2	2390.0000	11.26	32.39	43.65	54.00	-10.35	AVG	
3	2413.5500	72.77	32.46	105.23	74.00	31.23	Peak	No limit
4 *	2413.5500	64.19	32.46	96.65	54.00	42.65	AVG	No limit

REMARKS:

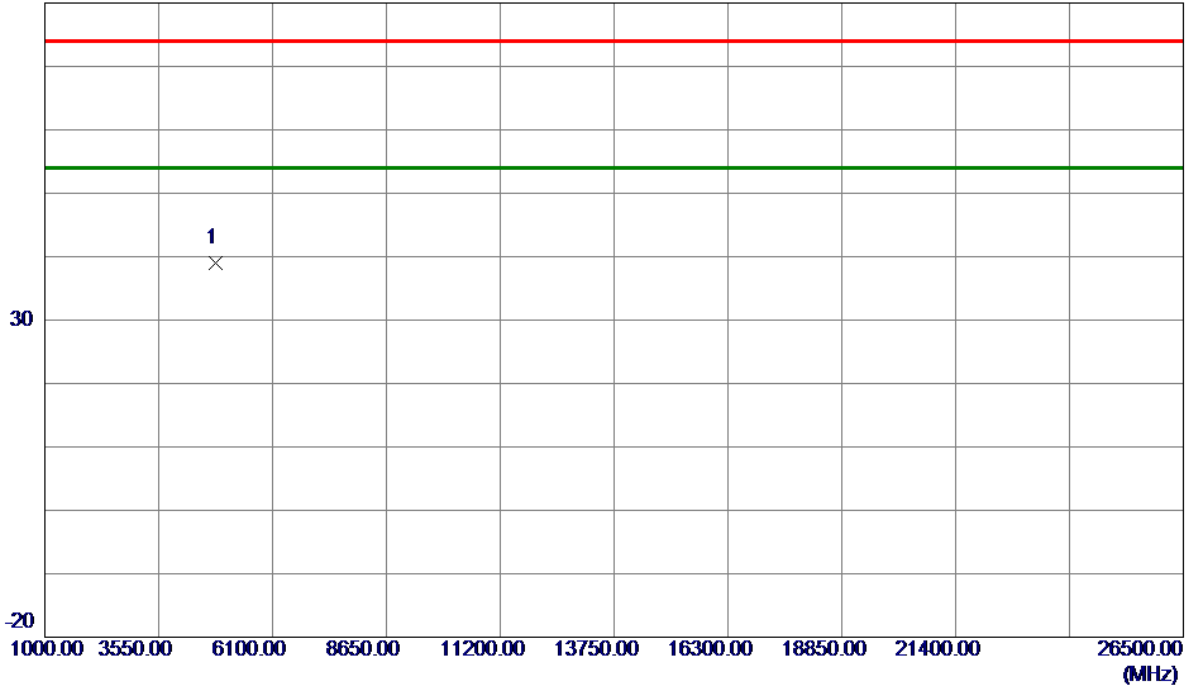
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode:	TX N-20M Mode 2412 MHz
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Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0000	48.62	-9.69	38.93	74.00	-35.07	Peak	

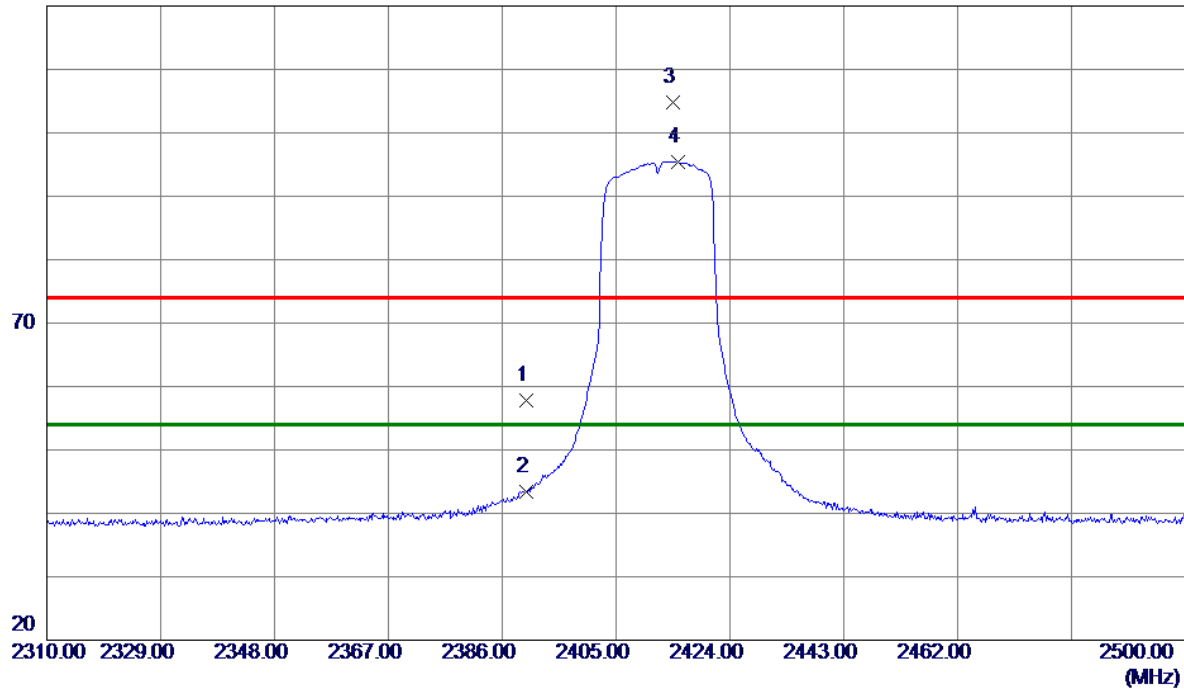
REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	25.46	32.39	57.85	74.00	-16.15	Peak	
2	2390.0000	10.99	32.39	43.38	54.00	-10.62	AVG	
3	2414.5000	72.27	32.46	104.73	74.00	30.73	Peak	No limit
4 *	2415.2600	63.00	32.47	95.47	54.00	41.47	AVG	No limit

REMARKS:

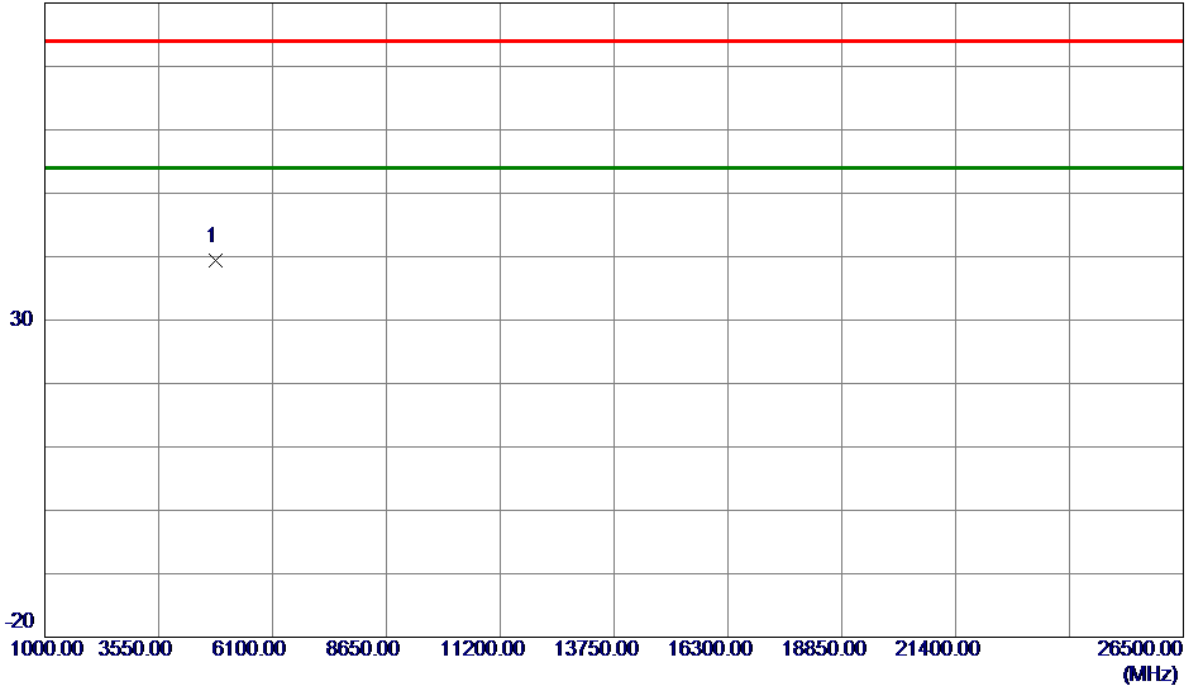
(1) Measurement Value = Reading Level + Correct Factor.

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0000	48.99	-9.69	39.30	74.00	-34.70	Peak	

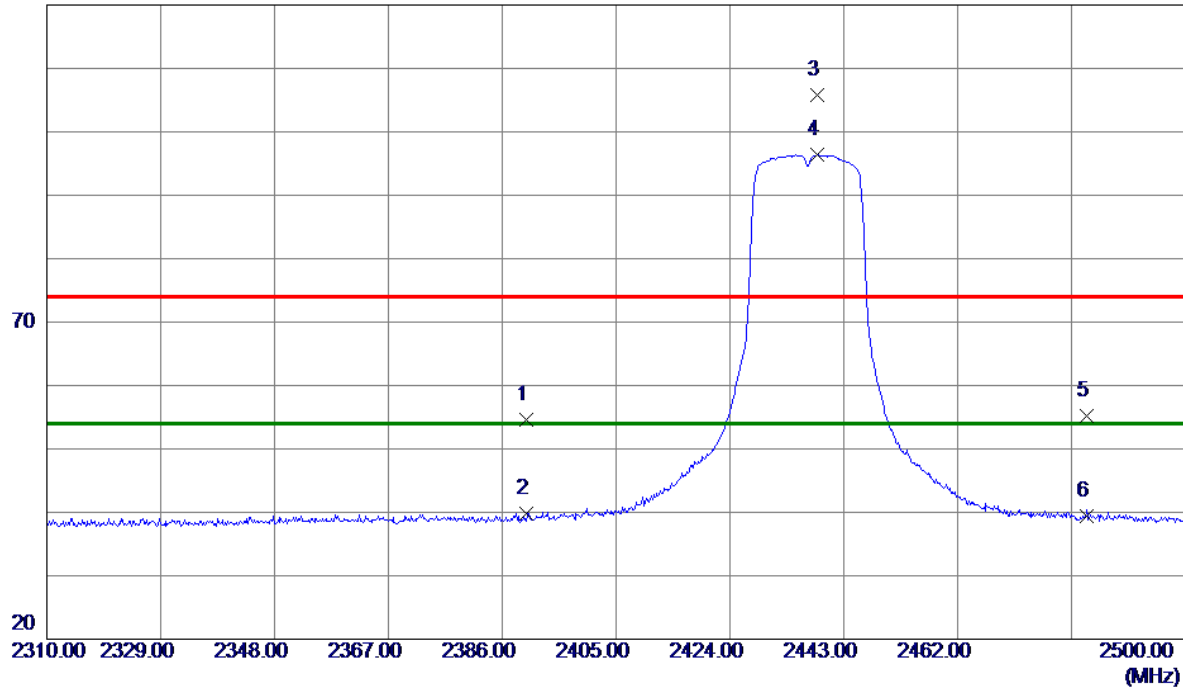
REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.13	32.39	54.52	74.00	-19.48	Peak	
2	2390.0000	7.41	32.39	39.80	54.00	-14.20	AVG	
3	2438.6299	73.25	32.53	105.78	74.00	31.78	Peak	No limit
4 *	2438.6299	63.81	32.53	96.34	54.00	42.34	AVG	No limit
5	2483.5000	22.53	32.66	55.19	74.00	-18.81	Peak	
6	2483.5000	6.71	32.66	39.37	54.00	-14.63	AVG	

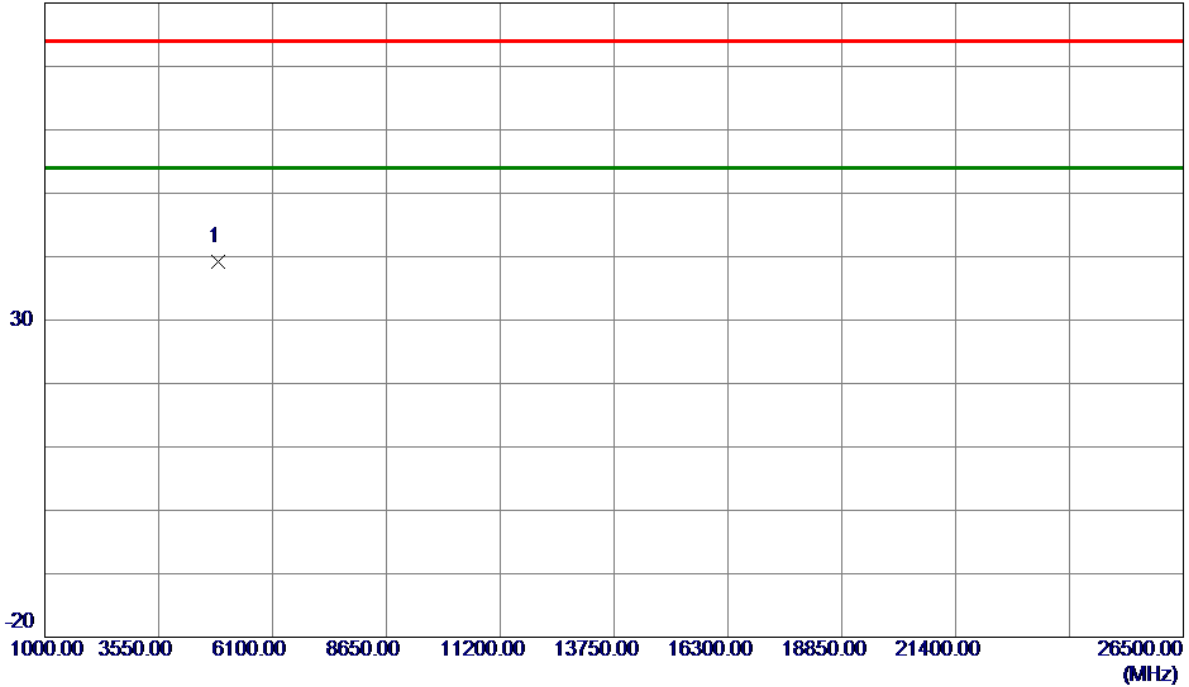
REMARKS:

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

Test Mode:	TX N-20M Mode 2437 MHz
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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 *	4874.0000	48.71	-9.50	39.21	74.00	-34.79	Peak	

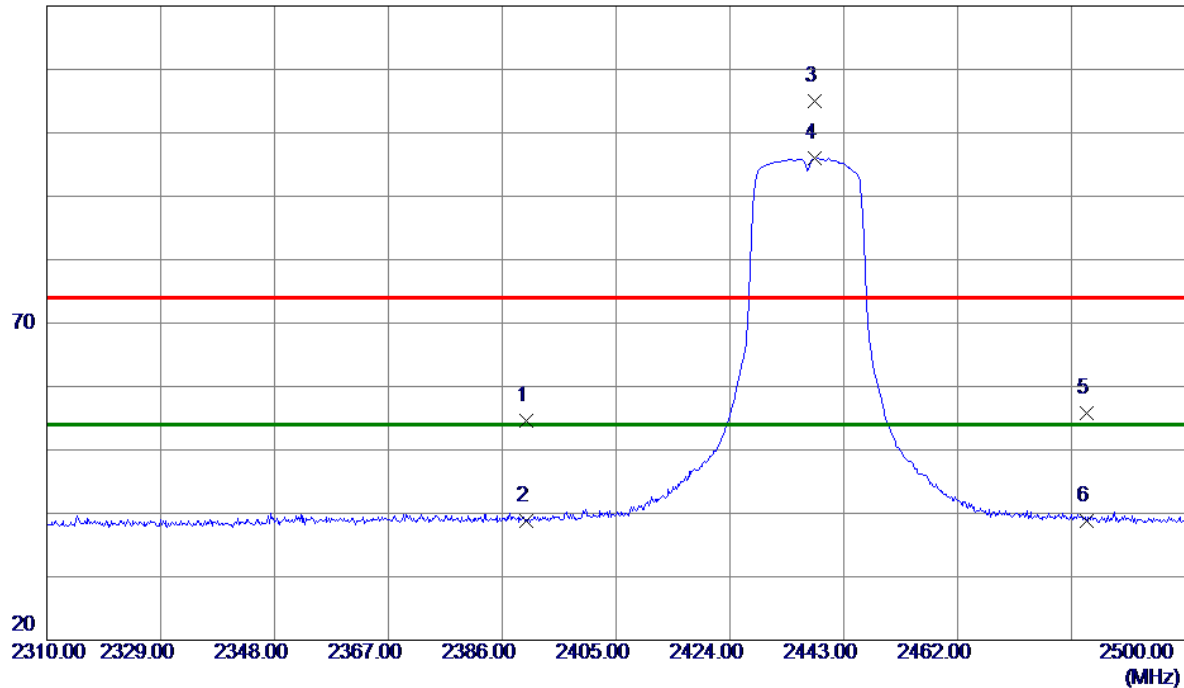
REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.22	32.39	54.61	74.00	-19.39	Peak	
2	2390.0000	6.39	32.39	38.78	54.00	-15.22	AVG	
3	2438.0600	72.42	32.53	104.95	74.00	30.95	Peak	No limit
4 *	2438.0600	63.45	32.53	95.98	54.00	41.98	AVG	No limit
5	2483.5000	23.21	32.66	55.87	74.00	-18.13	Peak	
6	2483.5000	6.13	32.66	38.79	54.00	-15.21	AVG	

REMARKS:

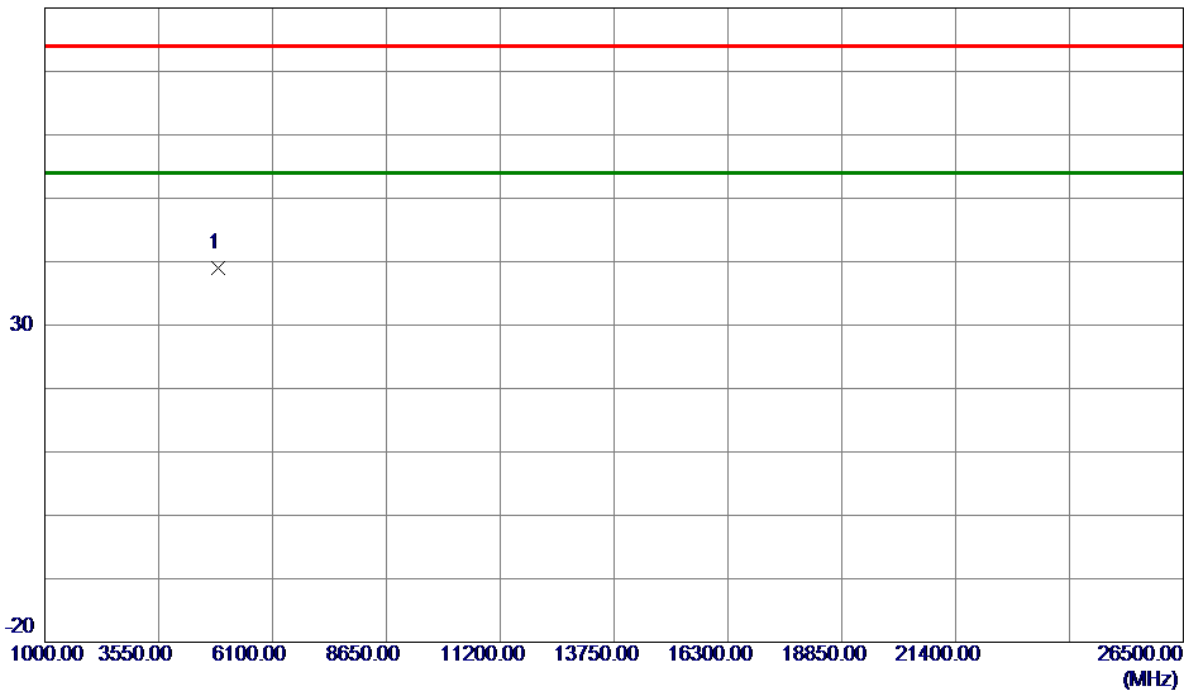
(1) Measurement Value = Reading Level + Correct Factor.

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	48.56	-9.50	39.06	74.00	-34.94	Peak	

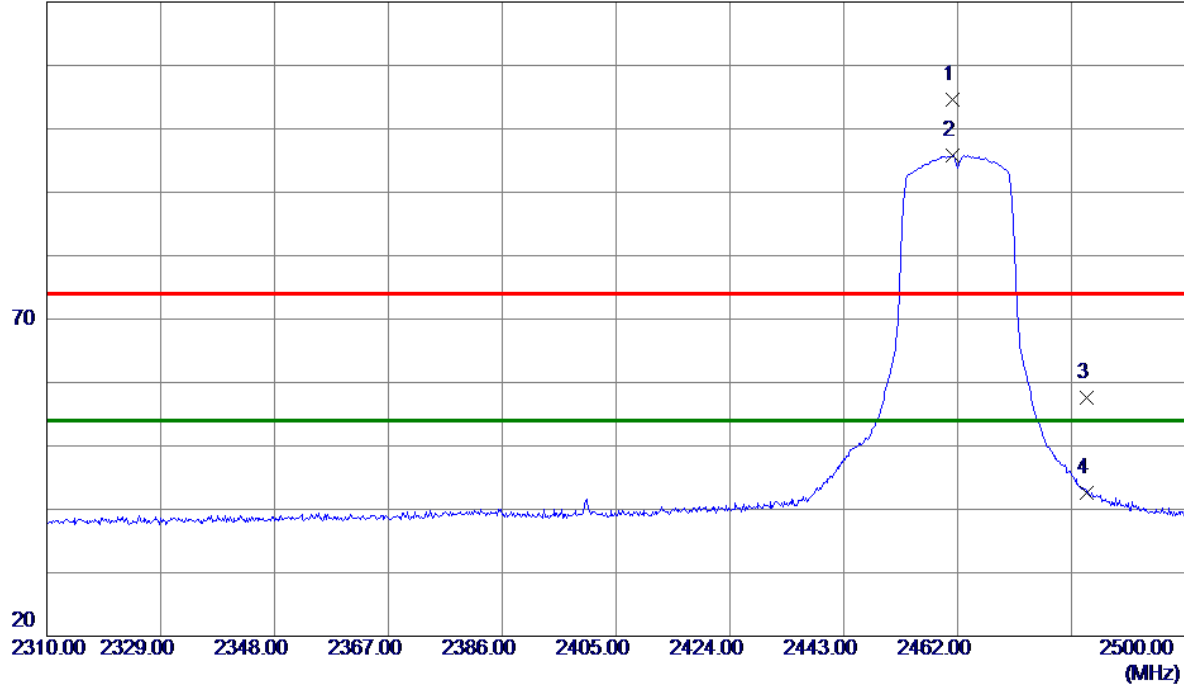
REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Vertical

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	2461.2400	71.91	32.60	104.51	74.00	30.51	Peak	No limit
2 *	2461.2400	63.26	32.60	95.86	54.00	41.86	AVG	No limit
3	2483.5000	24.95	32.66	57.61	74.00	-16.39	Peak	
4	2483.5000	9.86	32.66	42.52	54.00	-11.48	AVG	

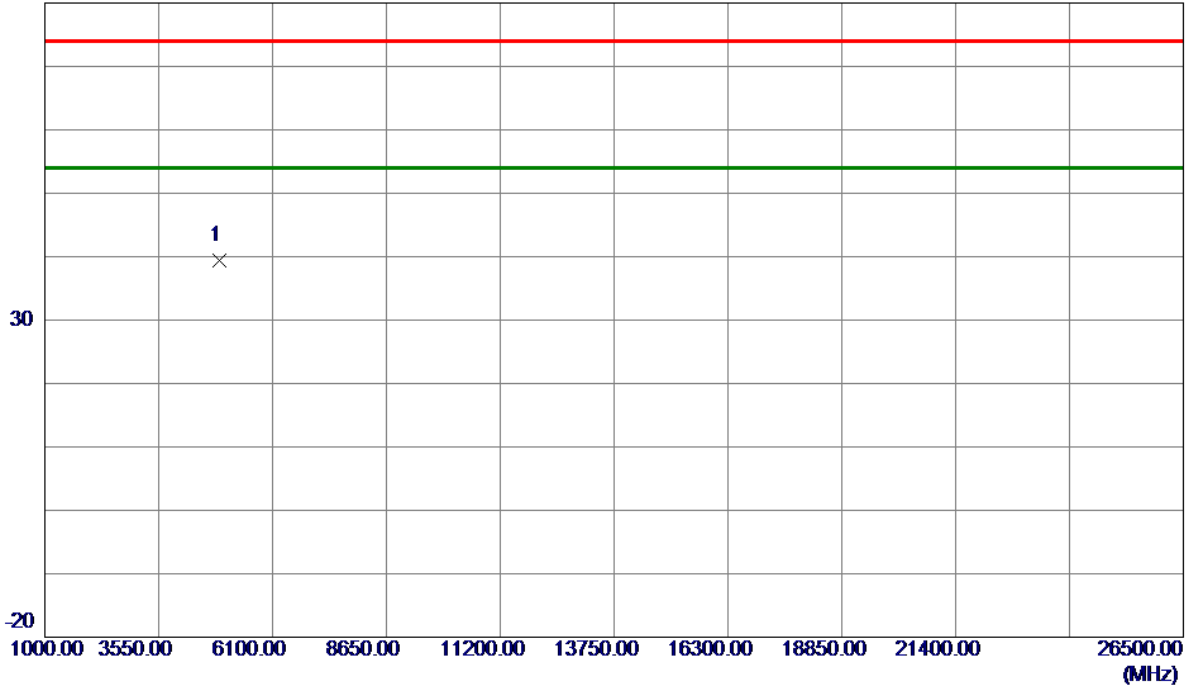
REMARKS:

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

Test Mode:	TX N-20M Mode 2462 MHz
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Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.0000	48.67	-9.31	39.36	74.00	-34.64	Peak	

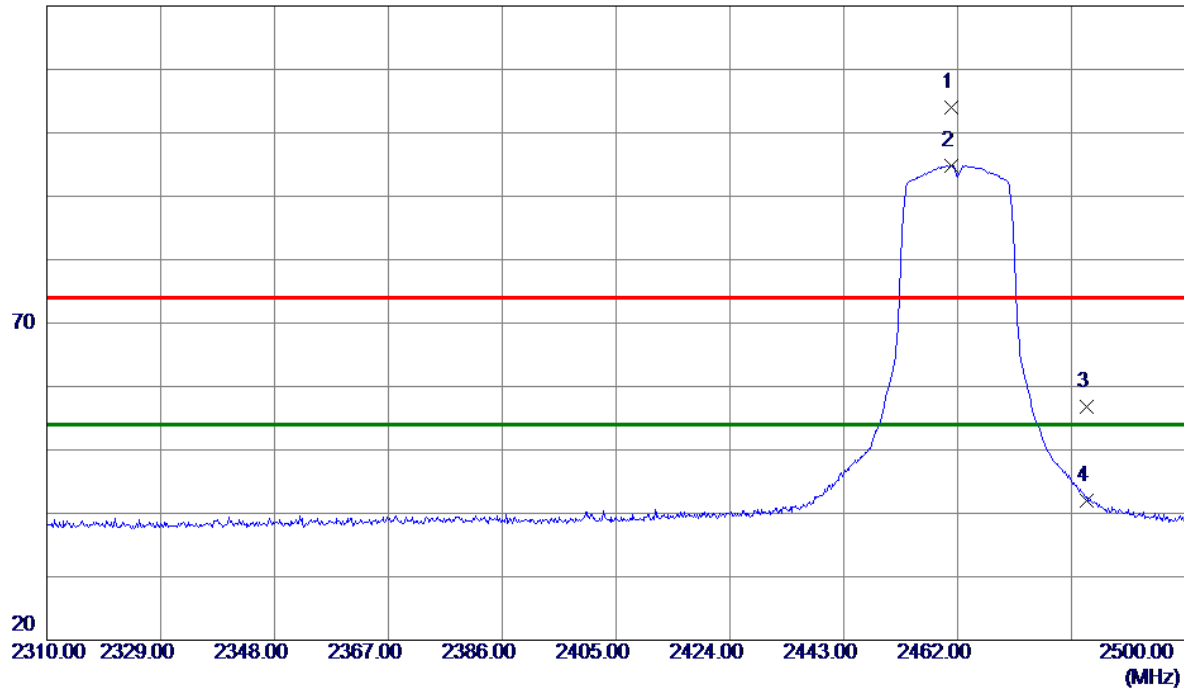
REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Horizontal

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	2460.8600	71.40	32.60	104.00	74.00	30.00	Peak	No limit
2 *	2460.8600	62.23	32.60	94.83	54.00	40.83	AVG	No limit
3	2483.5000	24.06	32.66	56.72	74.00	-17.28	Peak	
4	2483.5000	9.40	32.66	42.06	54.00	-11.94	AVG	

REMARKS:

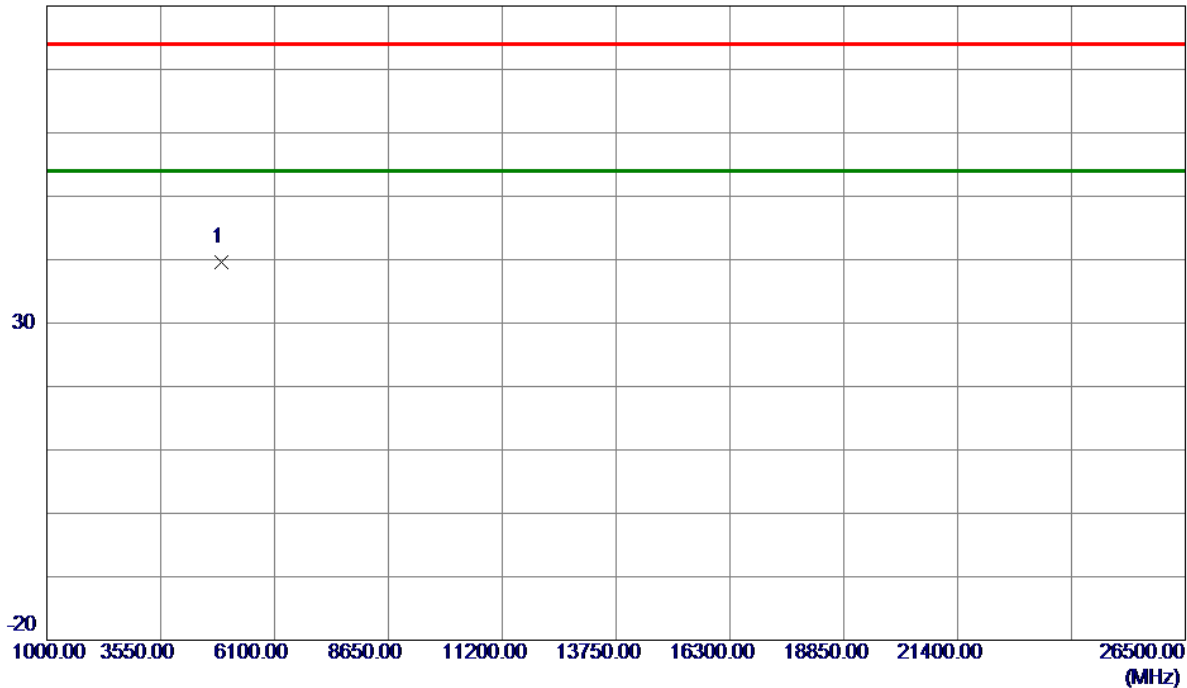
(1) Measurement Value = Reading Level + Correct Factor.

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.0000	48.85	-9.31	39.54	74.00	-34.46	Peak	

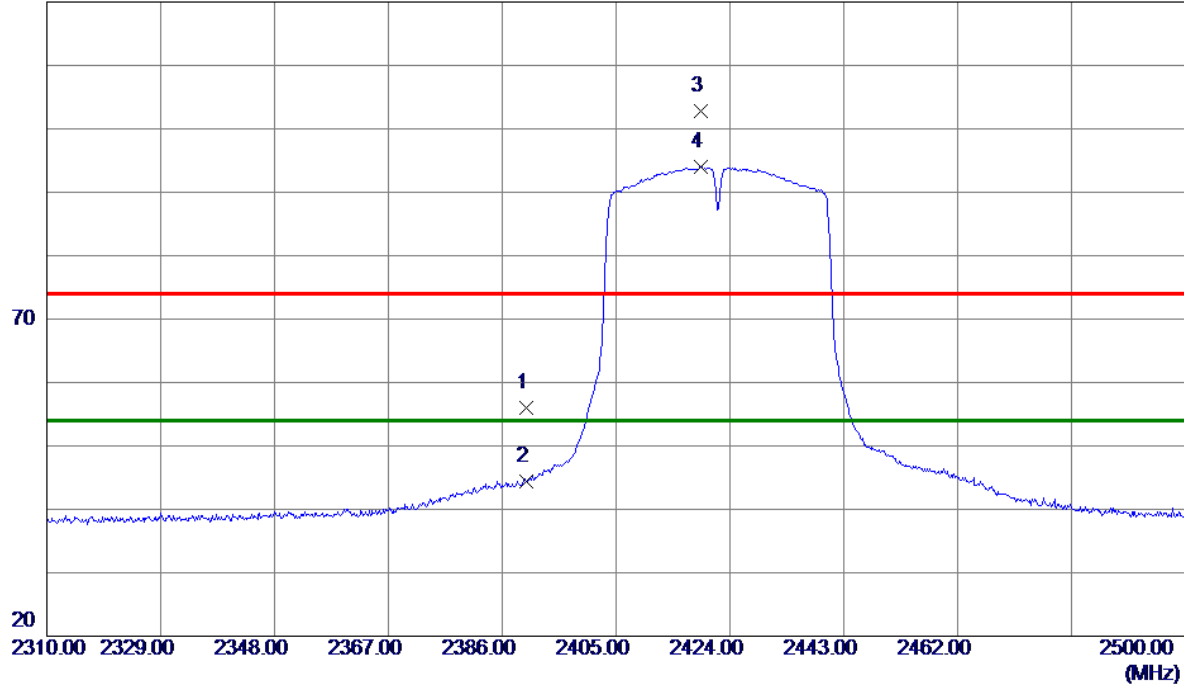
REMARKS:

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

Test Mode: TX N-40M Mode 2422MHz

Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.69	32.39	56.08	74.00	-17.92	Peak	
2	2390.0000	12.09	32.39	44.48	54.00	-9.52	AVG	
3	2419.0600	70.24	32.48	102.72	74.00	28.72	Peak	No limit
4 *	2419.0600	61.60	32.48	94.08	54.00	40.08	AVG	No limit

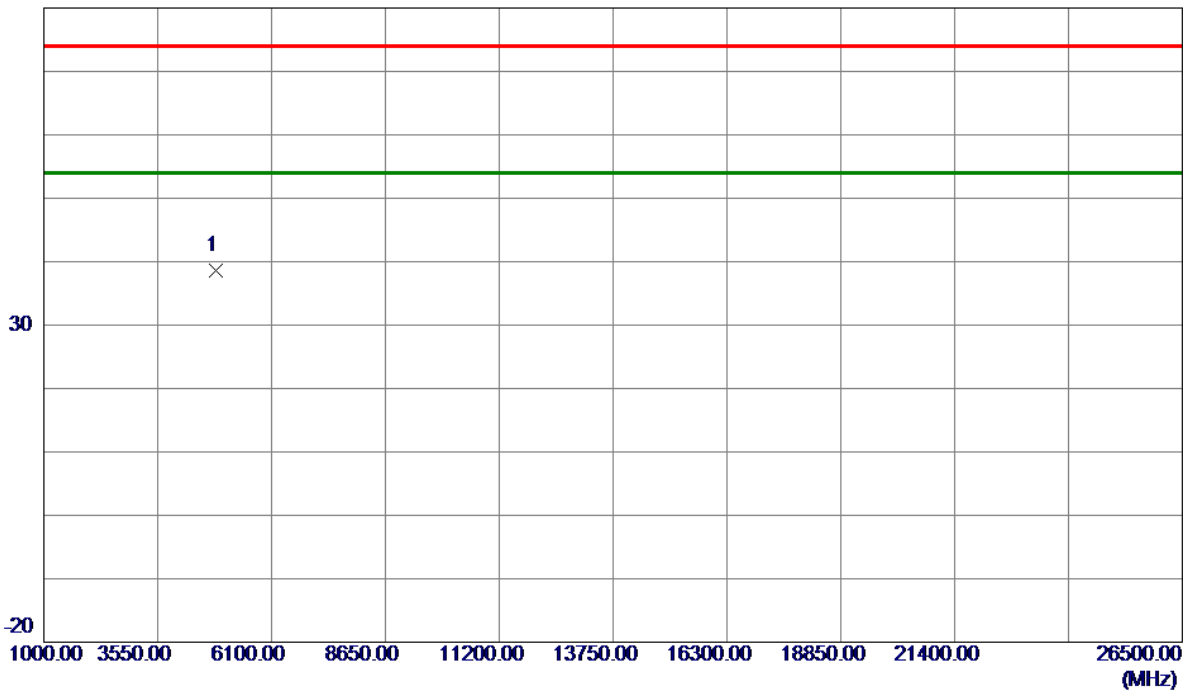
REMARKS:

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

Test Mode:	TX N-40M Mode 2422MHz
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Vertical

80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4844.0000	48.19	-9.61	38.58	74.00	-35.42	Peak	

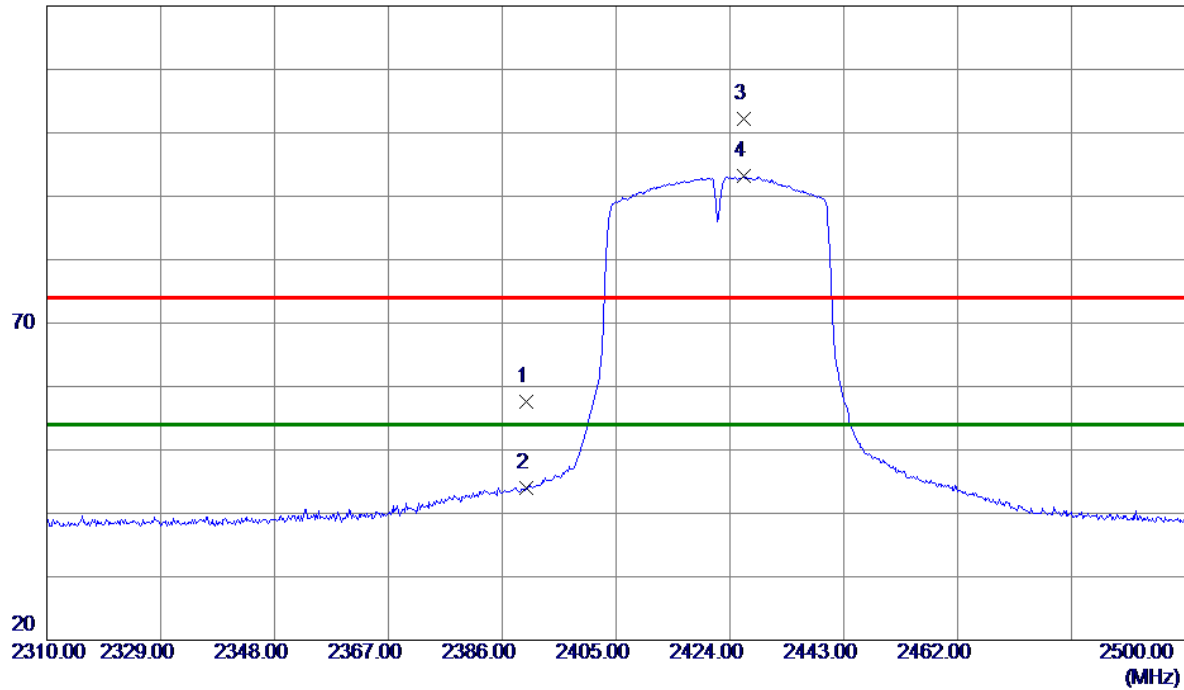
REMARKS:

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

Test Mode: TX N-40M Mode 2422MHz

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	25.26	32.39	57.65	74.00	-16.35	Peak	
2	2390.0000	11.69	32.39	44.08	54.00	-9.92	AVG	
3	2426.2800	69.66	32.50	102.16	74.00	28.16	Peak	No limit
4 *	2426.2800	60.64	32.50	93.14	54.00	39.14	AVG	No limit

REMARKS:

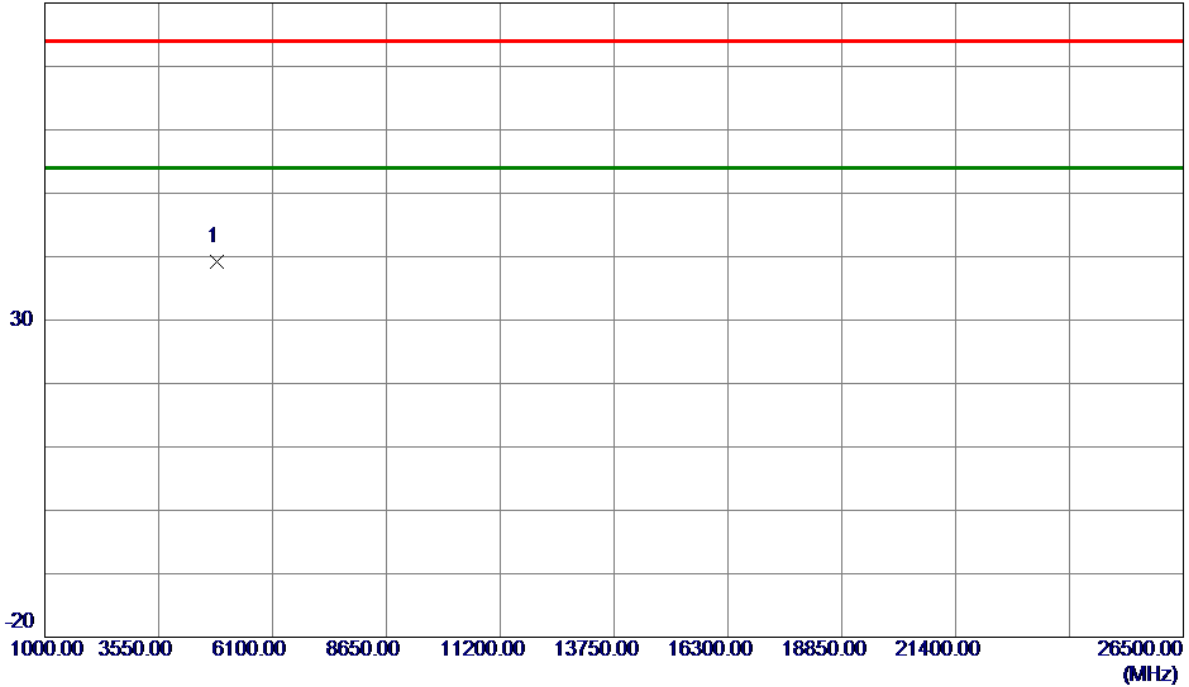
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode:	TX N-40M Mode 2422MHz
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Horizontal

80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4844.0000	48.82	-9.61	39.21	74.00	-34.79	Peak	

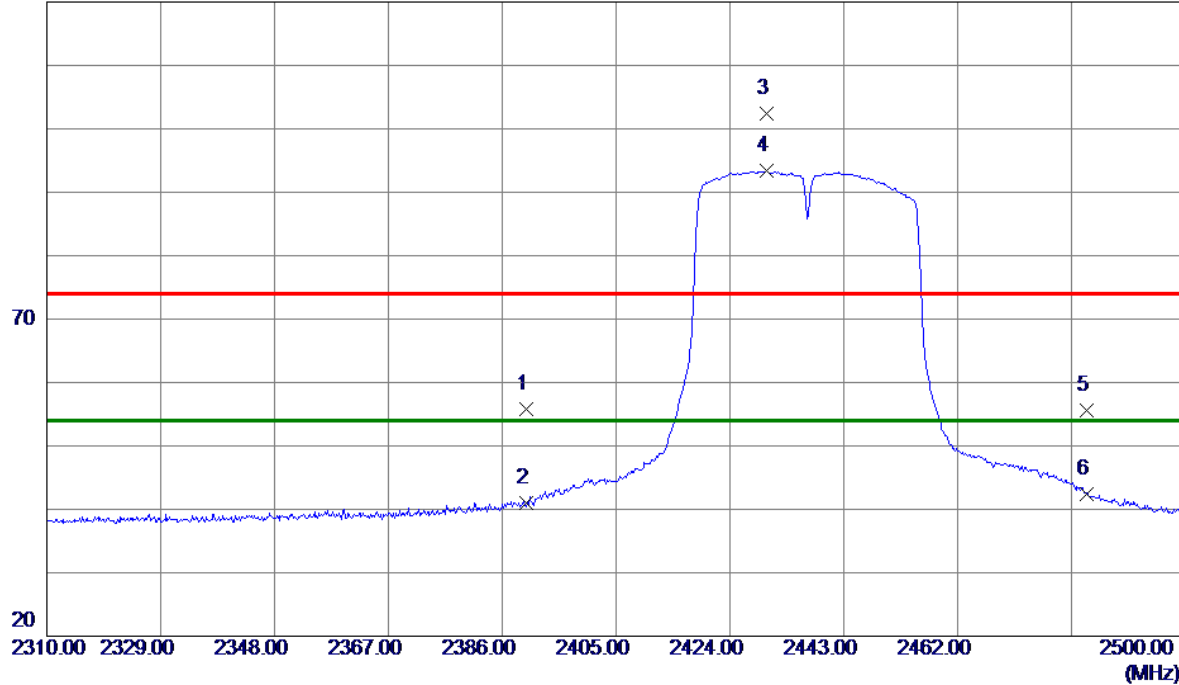
REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Vertical

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.43	32.39	55.82	74.00	-18.18	Peak	
2	2390.0000	8.53	32.39	40.92	54.00	-13.08	AVG	
3	2430.0800	69.84	32.51	102.35	74.00	28.35	Peak	No limit
4 *	2430.0800	60.85	32.51	93.36	54.00	39.36	AVG	No limit
5	2483.5000	22.96	32.66	55.62	74.00	-18.38	Peak	
6	2483.5000	9.79	32.66	42.45	54.00	-11.55	AVG	

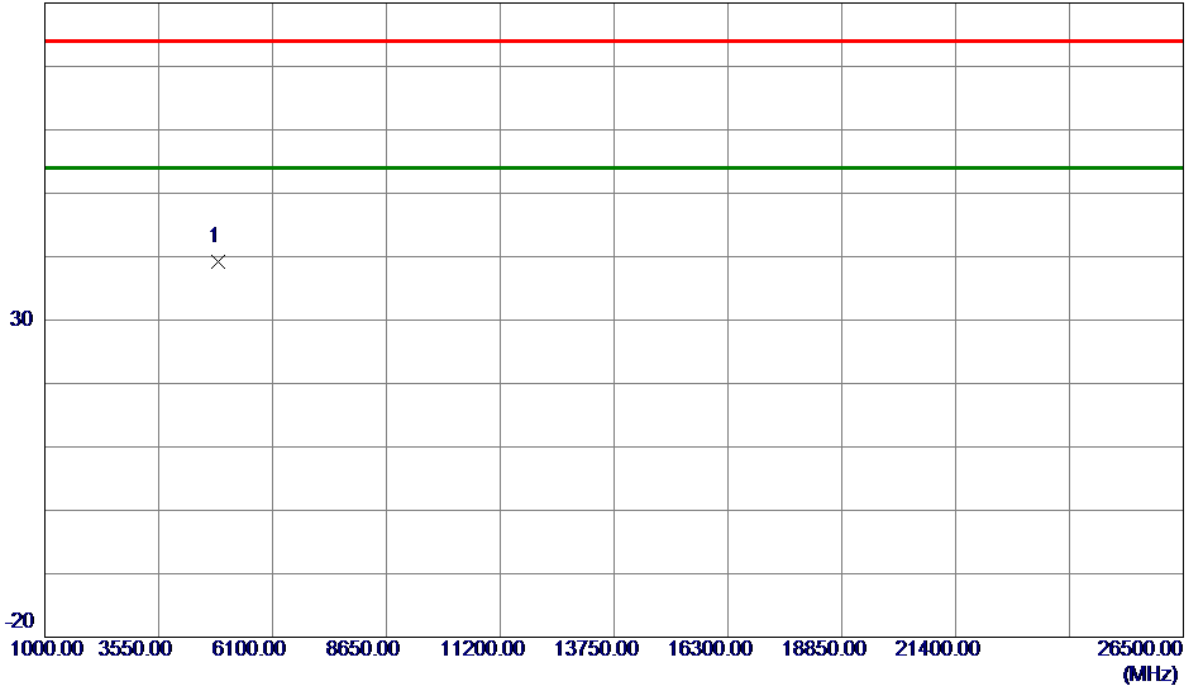
REMARKS:

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

Test Mode:	TX N-40M Mode 2437 MHz
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Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	48.64	-9.50	39.14	74.00	-34.86	Peak	

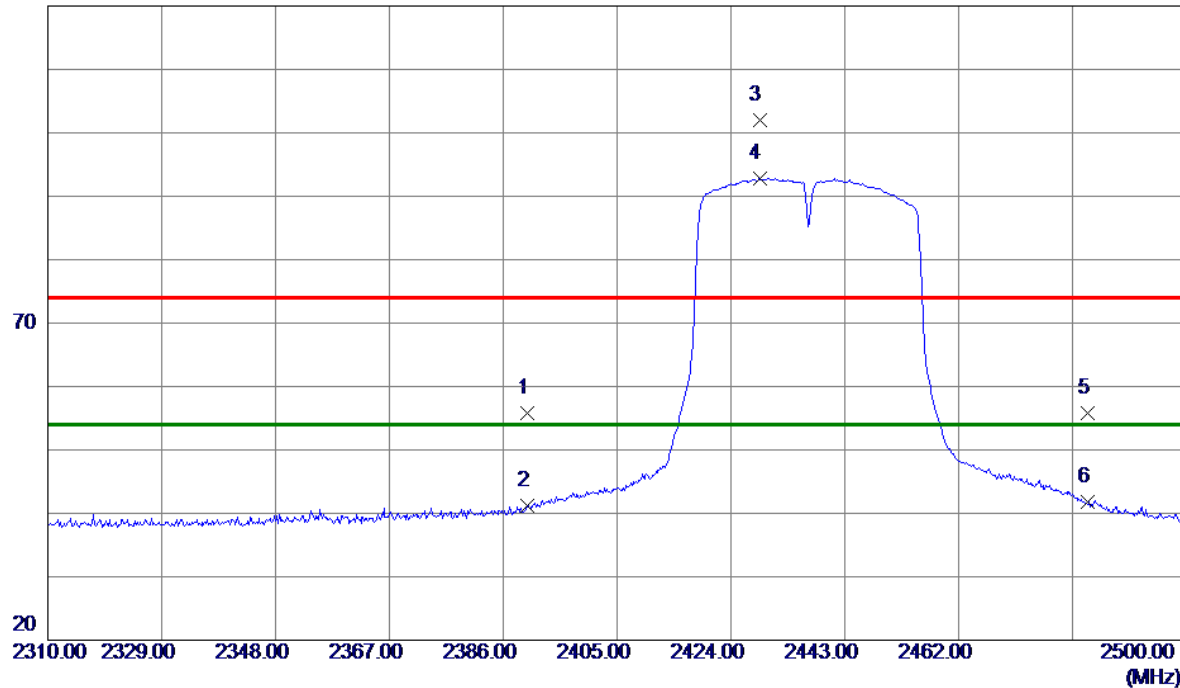
REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.37	32.39	55.76	74.00	-18.24	Peak	
2	2390.0000	8.82	32.39	41.21	54.00	-12.79	AVG	
3	2428.7500	69.49	32.50	101.99	74.00	27.99	Peak	No limit
4 *	2428.7500	60.32	32.50	92.82	54.00	38.82	AVG	No limit
5	2483.5000	23.22	32.66	55.88	74.00	-18.12	Peak	
6	2483.5000	9.08	32.66	41.74	54.00	-12.26	AVG	

REMARKS:

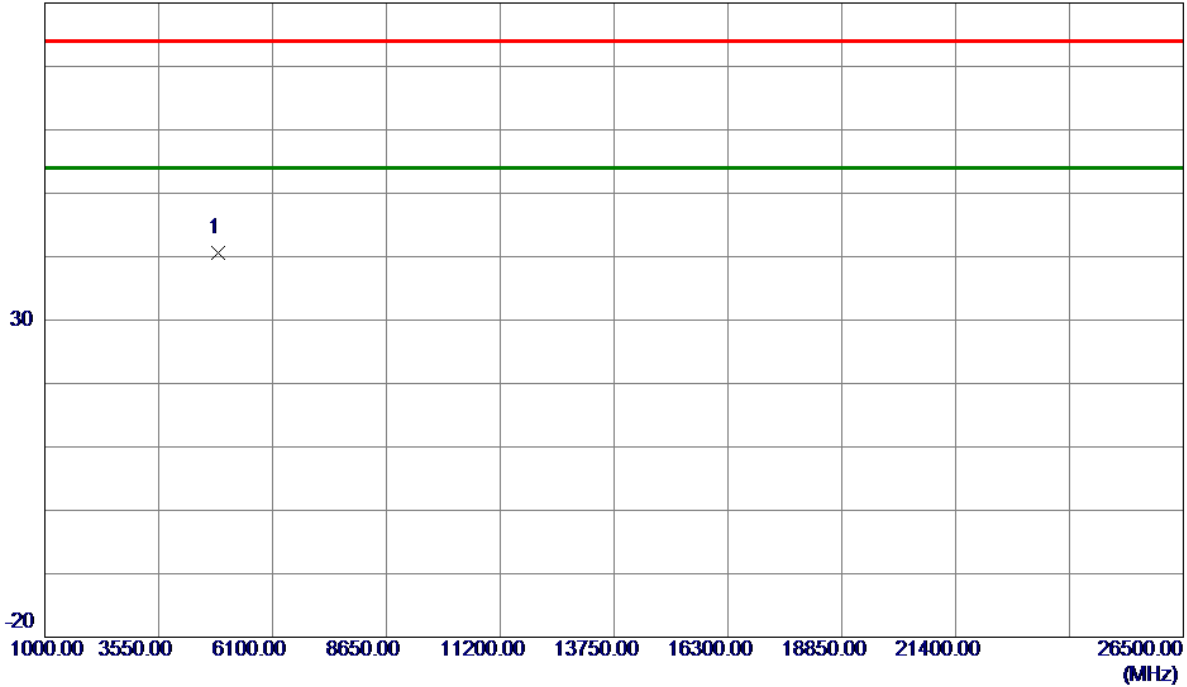
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode:	TX N-40M Mode 2437 MHz
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Horizontal

80 dBuV/m



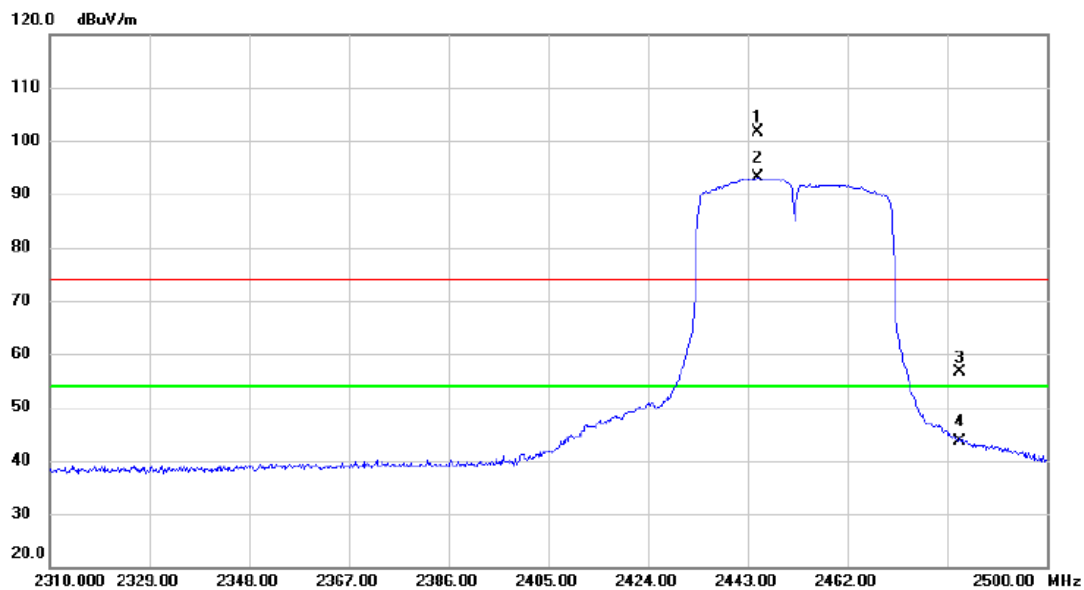
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	50.07	-9.50	40.57	74.00	-33.43	Peak	

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.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2444.900	69.09	32.55	101.64	74.00	27.64	peak	No limit
2	*	2444.900	60.55	32.55	93.10	54.00	39.10	AVG	No limit
3		2483.500	23.92	32.66	56.58	74.00	-17.42	peak	
4		2483.500	11.07	32.66	43.73	54.00	-10.27	AVG	

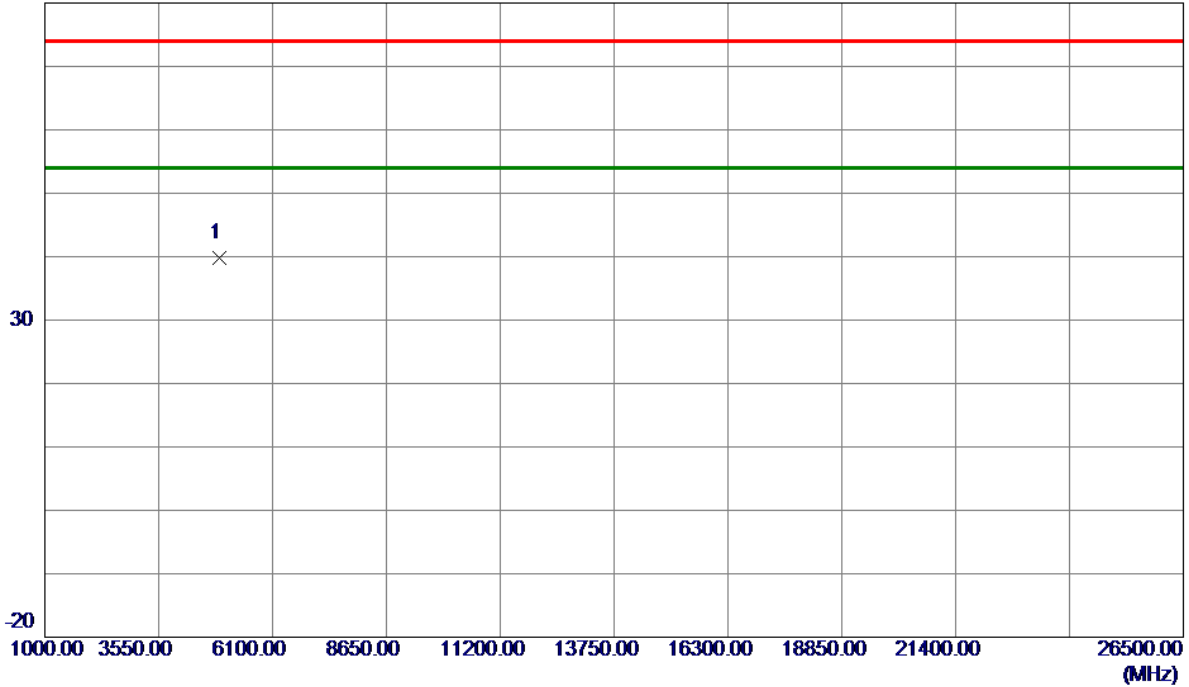
REMARKS:

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

Test Mode:	TX N-40M Mode 2452 MHz
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Vertical

80 dBuV/m



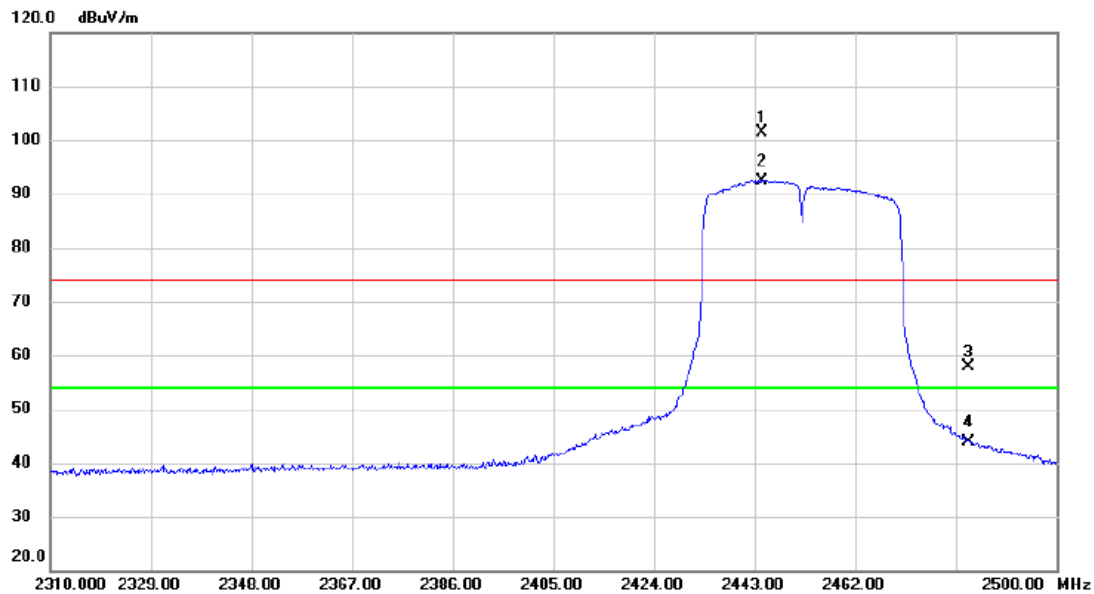
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4904.0000	49.17	-9.38	39.79	74.00	-34.21	Peak	

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.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2444.330	68.88	32.55	101.43	74.00	27.43	peak	No limit
2	*	2444.330	59.90	32.55	92.45	54.00	38.45	AVG	No limit
3		2483.500	25.10	32.66	57.76	74.00	-16.24	peak	
4		2483.500	11.10	32.66	43.76	54.00	-10.24	AVG	

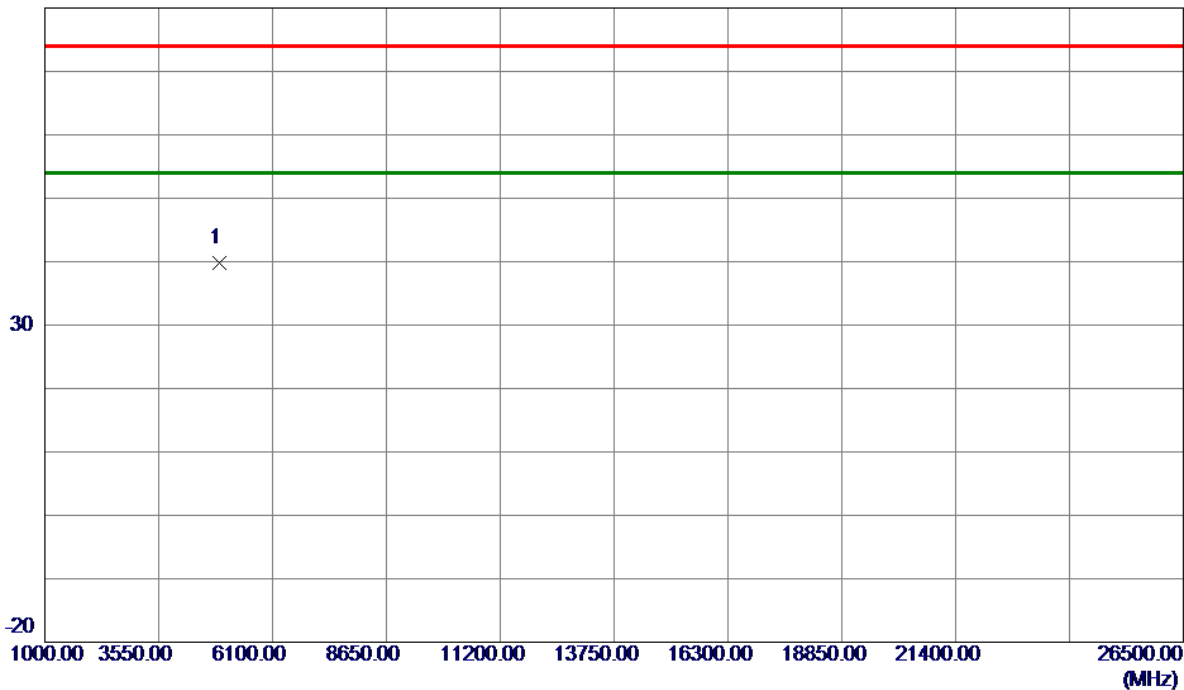
REMARKS:

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4904.0000	49.10	-9.38	39.72	74.00	-34.28	Peak	

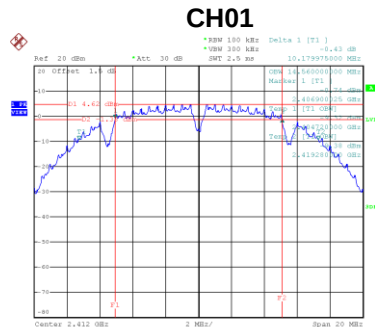
REMARKS:

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

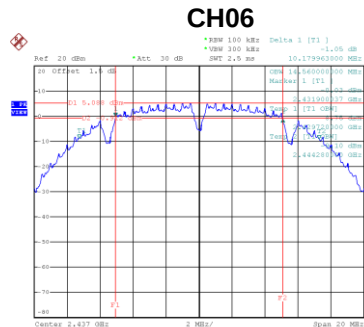
APPENDIX D - BANDWIDTH

Test Mode	TX B Mode
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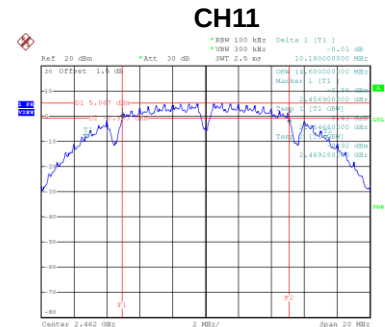
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	10.18	500	Complies
06	2437	10.18	500	Complies
11	2462	10.18	500	Complies



Date: 8.JAN.2020 16:59:44



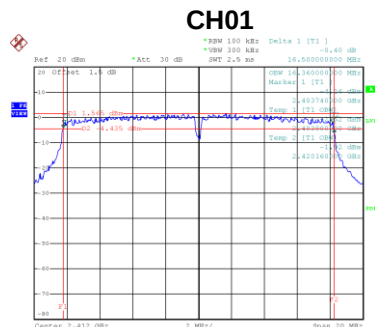
Date: 8.JAN.2020 15:51:16



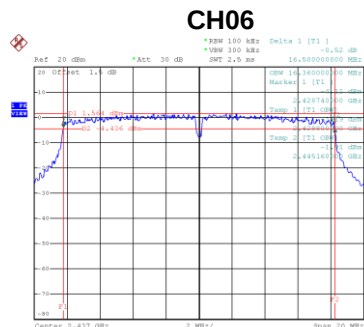
Date: 8.JAN.2020 15:53:35

Test Mode	TX G Mode
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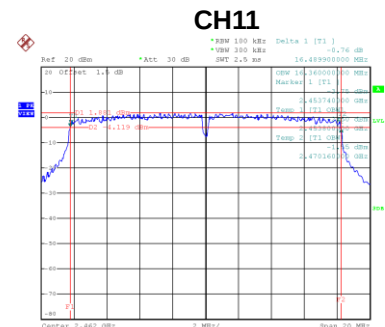
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	16.50	500	Complies
06	2437	16.50	500	Complies
11	2462	16.49	500	Complies



Date: 8.JAN.2020 15:56:11



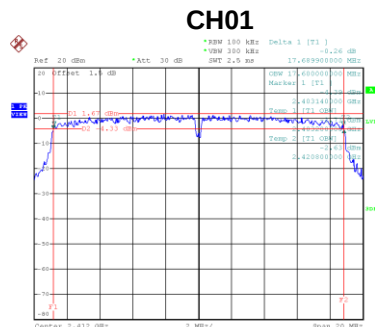
Date: 8.JAN.2020 16:01:42



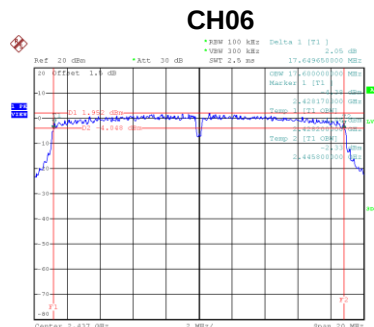
Date: 8.JAN.2020 16:03:21

Test Mode	TX N-20M Mode
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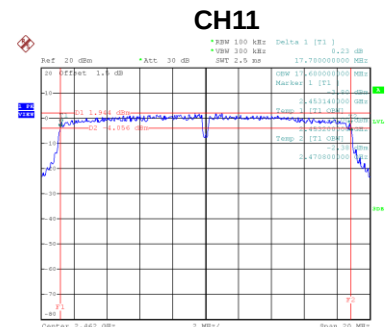
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	17.69	500	Complies
06	2437	17.65	500	Complies
11	2462	17.70	500	Complies



Date: 8.JAN.2020 16:06:33



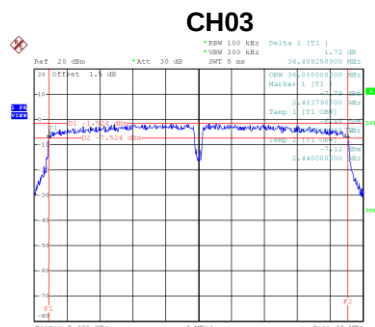
Date: 8.JAN.2020 16:09:24



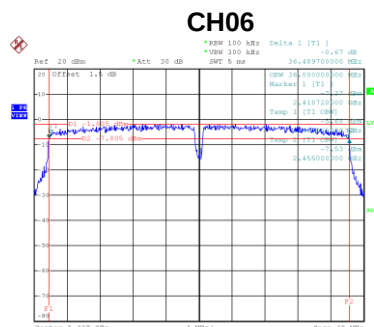
Date: 8.JAN.2020 16:11:15

Test Mode	TX N-40M Mode
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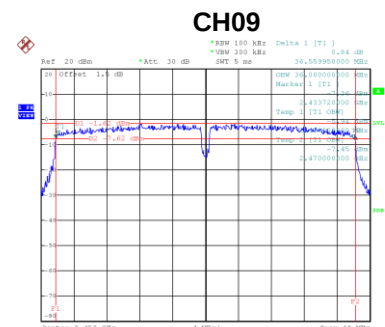
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
03	2422	36.41	500	Complies
06	2437	36.49	500	Complies
09	2452	36.56	500	Complies



Date: 8.JAN.2020 16:21:39



Date: 8.JAN.2020 16:26:40



Date: 8.JAN.2020 16:31:00

APPENDIX E - MAXIMUM OUTPUT POWER

Test Mode	TX B Mode
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	17.09	30.00	1.0000	Complies
06	2437	17.12	30.00	1.0000	Complies
11	2462	17.07	30.00	1.0000	Complies

Test Mode	TX G Mode
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	25.10	30.00	1.0000	Complies
06	2437	25.14	30.00	1.0000	Complies
11	2462	24.94	30.00	1.0000	Complies

Test Mode	TX N-20M Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	24.59	28.64	0.731	Complies
06	2437	24.44	28.64	0.731	Complies
11	2462	24.86	28.64	0.731	Complies

Test Mode	TX N-20M Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	23.84	28.64	0.731	Complies
06	2437	23.93	28.64	0.731	Complies
11	2462	23.73	28.64	0.731	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	27.24	28.64	0.731	Complies
06	2437	27.20	28.64	0.731	Complies
11	2462	27.34	28.64	0.731	Complies

Test Mode	TX N-40M Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	24.35	28.64	0.731	Complies
06	2437	24.30	28.64	0.731	Complies
09	2452	24.05	28.64	0.731	Complies

Test Mode	TX N-40M Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	24.38	28.64	0.731	Complies
06	2437	24.30	28.64	0.731	Complies
09	2452	24.24	28.64	0.731	Complies

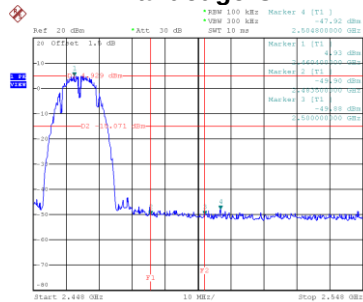
Test Mode	TX N-40M Mode_Total
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	27.38	28.64	0.731	Complies
06	2437	27.31	28.64	0.731	Complies
09	2452	27.16	28.64	0.731	Complies

APPENDIX F - CONDUCTED SPURIOUS EMISSIONS

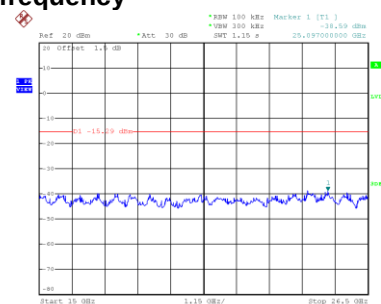
TX B Mode

Bandedge-CH11



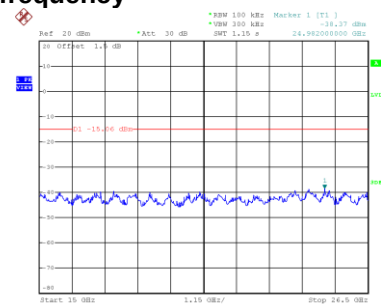
Date: 8.JAN.2020 15:53:59

CH01 – 10th Harmonic of the fundamental frequency



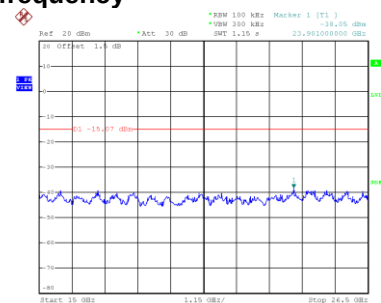
Date: 8.JAN.2020 15:48:33

CH06 – 10th Harmonic of the fundamental frequency



Date: 8.JAN.2020 15:51:50

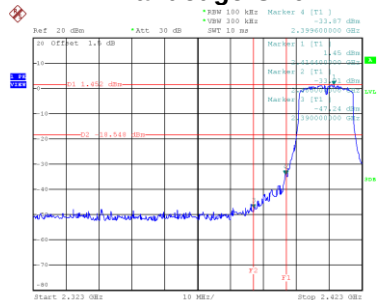
CH11 – 10th Harmonic of the fundamental frequency



Date: 8.JAN.2020 15:54:26

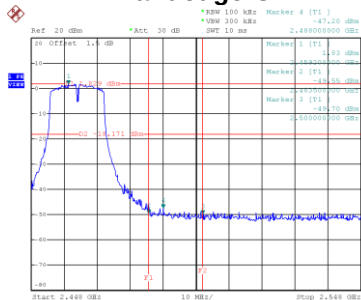
Test Mode TX G Mode

Bandedge-CH01



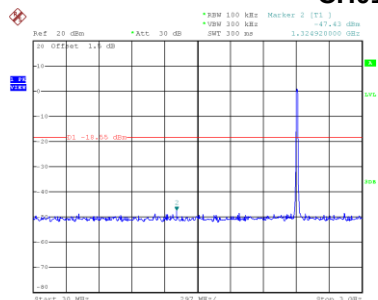
Date: 8.JAN.2020 15:56:35

Bandedge-CH11

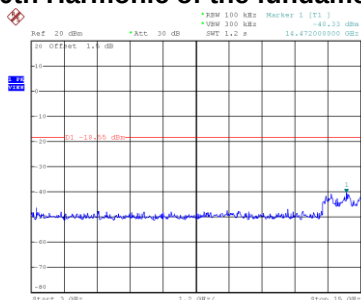


Date: 8.JAN.2020 16:03:28

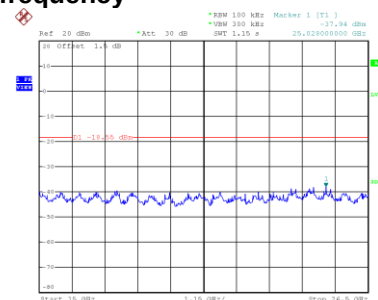
CH01 – 10th Harmonic of the fundamental frequency



Date: 8.JAN.2020 15:56:47

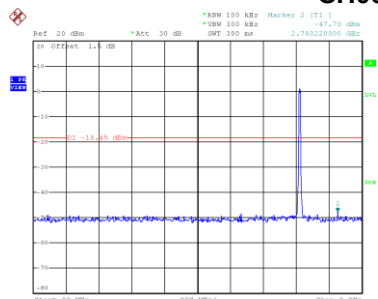


Date: 8.JAN.2020 15:56:55

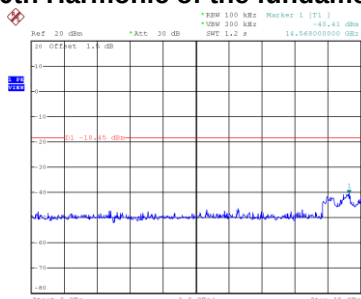


Date: 8.JAN.2020 15:57:02

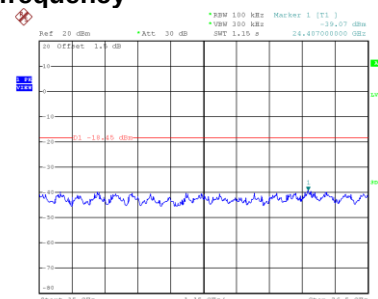
CH06 – 10th Harmonic of the fundamental frequency



Date: 8.JAN.2020 16:02:19

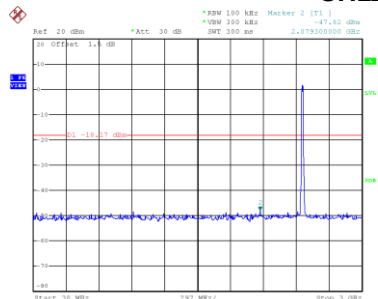


Date: 8.JAN.2020 16:02:26

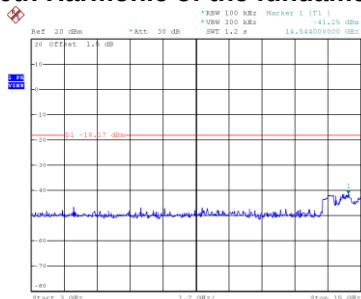


Date: 8.JAN.2020 16:02:33

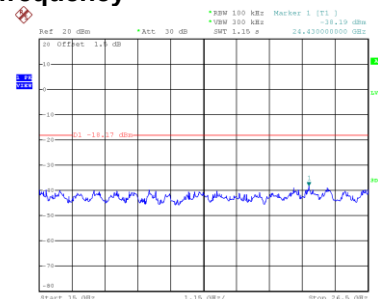
CH11 – 10th Harmonic of the fundamental frequency



Date: 8.JAN.2020 16:03:41



Date: 8.JAN.2020 16:03:48



Date: 8.JAN.2020 16:03:55

TX N-20M Mode_Ant. 1



Date: 8.JAN.2020 16:07:10



Date: 8.JAN.2020 16:09:44



Date: 8.JAN.2020 16:11:35



TX N-20M Mode_Ant. 2



Date: 8.JAN.2020 16:54:43



Date: 8.JAN.2020 16:52:42



Date: 8.JAN.2020 16:50:52



TX N-40M Mode_Ant. 1



Date: 8.JAN.2020 16:22:16



Date: 8.JAN.2020 16:27:17

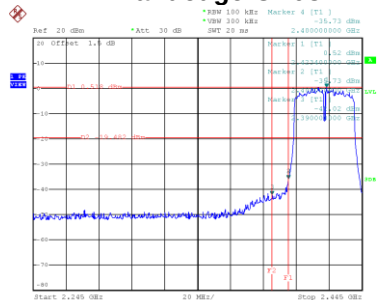


Date: 8.JAN.2020 16:31:20



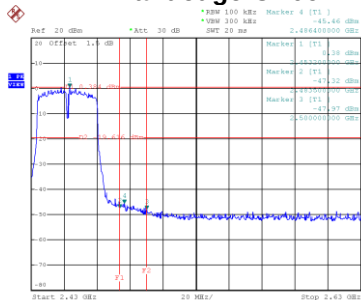
Test Mode TX N-40M Mode_Ant. 2

Bandedge-CH03



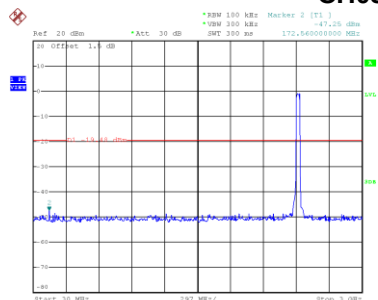
Date: 8.JAN.2020 16:48:34

Bandedge-CH09

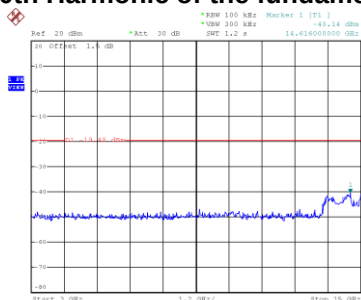


Date: 8.JAN.2020 16:44:33

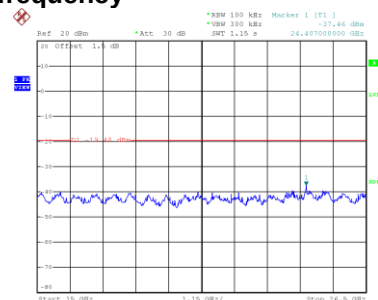
CH03 – 10th Harmonic of the fundamental frequency



Date: 8.JAN.2020 16:48:47

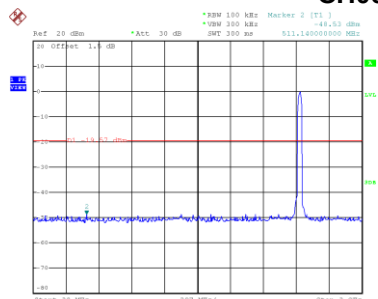


Date: 8.JAN.2020 16:48:54

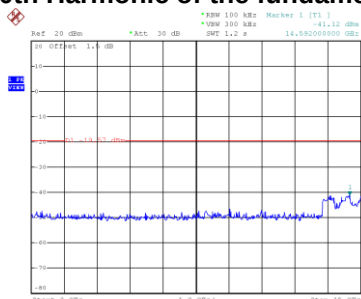


Date: 8.JAN.2020 16:49:01

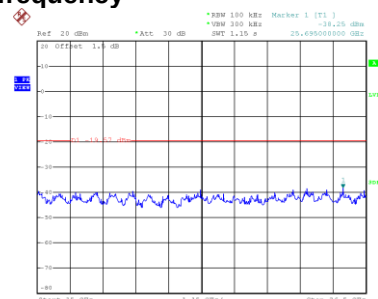
CH06 – 10th Harmonic of the fundamental frequency



Date: 8.JAN.2020 16:46:41

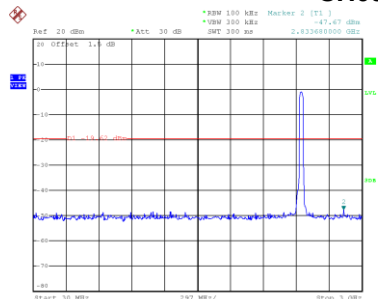


Date: 8.JAN.2020 16:46:48

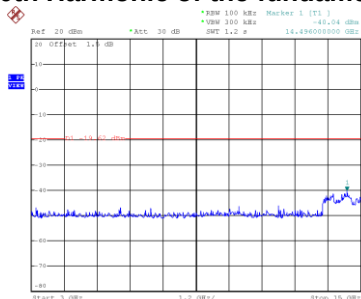


Date: 8.JAN.2020 16:46:56

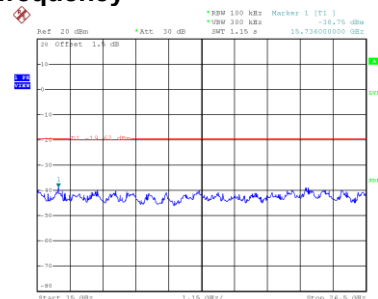
CH09 – 10th Harmonic of the fundamental frequency



Date: 8.JAN.2020 16:44:46



Date: 8.JAN.2020 16:44:53

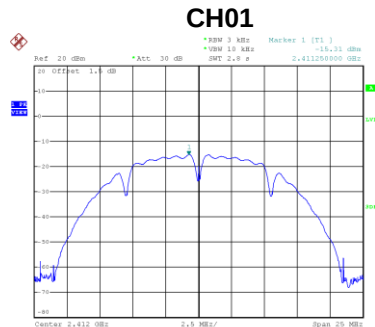


Date: 8.JAN.2020 16:45:00

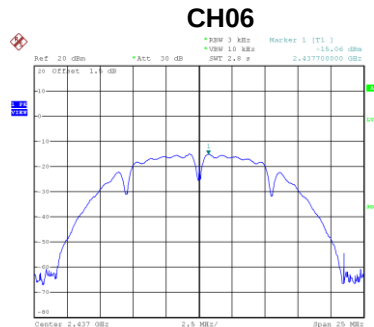
APPENDIX G - POWER SPECTRAL DENSITY

Test Mode	TX B Mode
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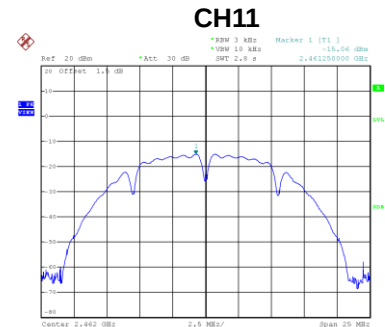
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-15.31	8	Complies
06	2437	-15.06	8	Complies
11	2462	-15.06	8	Complies



Date: 8-JAN-2020 15:38:10



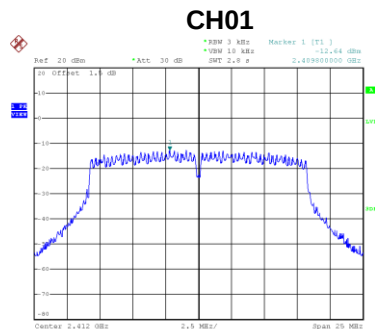
Date: 8-JAN-2020 15:38:53



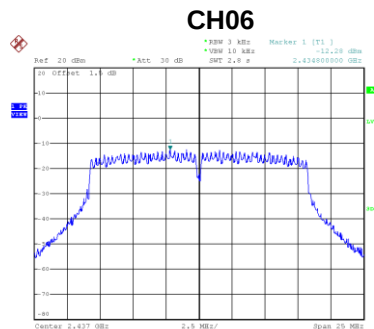
Date: 8-JAN-2020 15:39:37

Test Mode	TX G Mode
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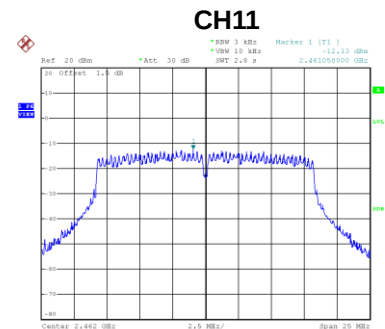
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-12.64	8	Complies
06	2437	-12.28	8	Complies
11	2462	-12.13	8	Complies



Date: 8-JAN-2020 15:40:34



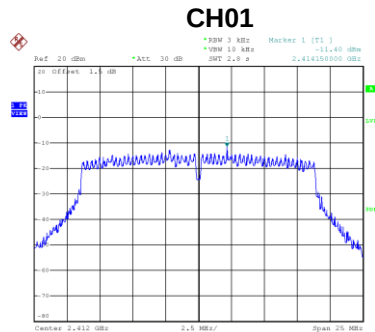
Date: 8-JAN-2020 15:41:09



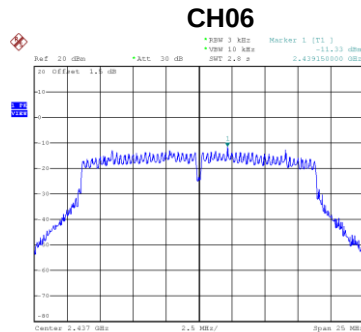
Date: 8-JAN-2020 15:37:12

Test Mode	TX N-20M Mode_Ant. 1
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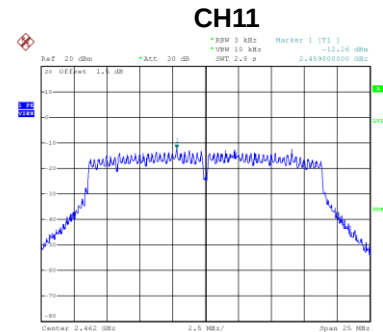
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-11.40	6.64	Complies
06	2437	-11.33	6.64	Complies
11	2462	-12.26	6.64	Complies



Date: 8.JAN.2020 16:37:58



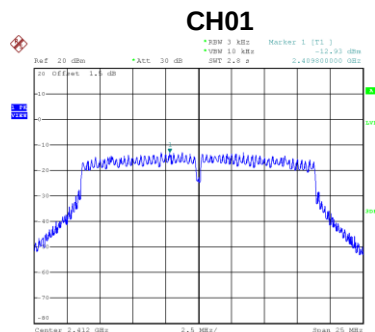
Date: 8.JAN.2020 16:37:18



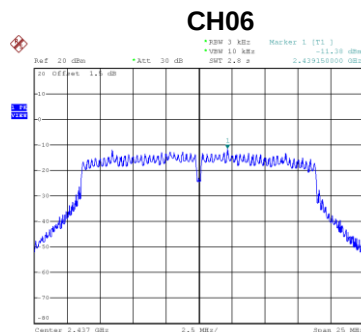
Date: 8.JAN.2020 16:36:44

Test Mode	TX N-20M Mode_Ant. 2
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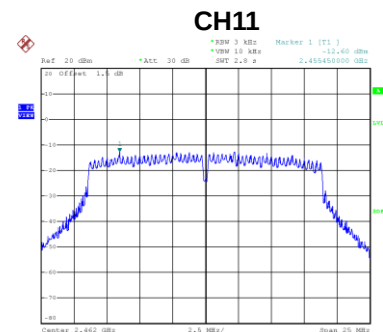
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-12.93	6.64	Complies
06	2437	-11.38	6.64	Complies
11	2462	-12.60	6.64	Complies



Date: 8.JAN.2020 16:39:32



Date: 8.JAN.2020 16:40:12



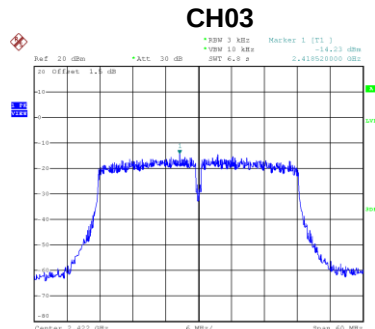
Date: 8.JAN.2020 16:40:56

Test Mode	TX N-20M Mode_Total
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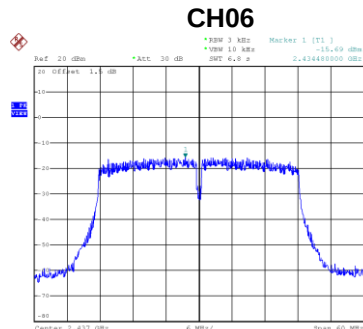
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-9.09	6.64	Complies
06	2437	-8.34	6.64	Complies
11	2462	-9.42	6.64	Complies

Test Mode	TX N-40M Mode_Ant. 1
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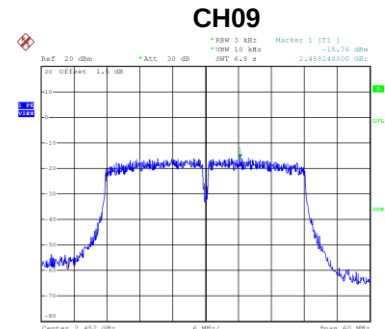
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-14.23	6.64	Complies
06	2437	-15.69	6.64	Complies
09	2452	-15.76	6.64	Complies



Date: 8.JAN.2020 16:35:55



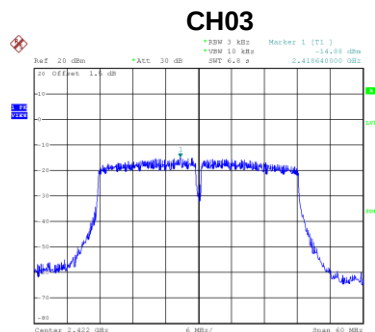
Date: 8.JAN.2020 16:35:18



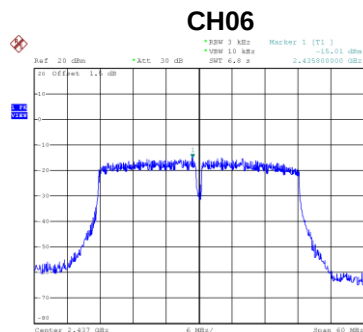
Date: 8.JAN.2020 16:34:37

Test Mode	TX N-40M Mode_Ant. 2
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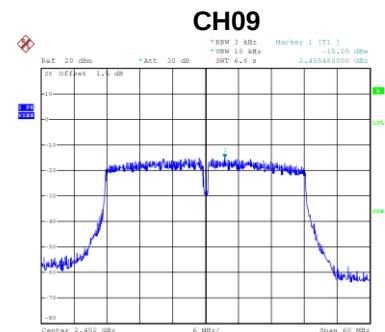
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-14.88	6.64	Complies
06	2437	-15.01	6.64	Complies
09	2452	-15.05	6.64	Complies



Date: 8.JAN.2020 16:42:17



Date: 8.JAN.2020 16:43:07



Date: 8.JAN.2020 16:43:34

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	-11.53	6.64	Complies
06	2437	-12.33	6.64	Complies
09	2452	-12.38	6.64	Complies

End of Test Report