

FCC Radio Test Report

FCC ID: KA2IRX5460A1

This report concerns: Original Grant

Project No. : 2002H005
Equipment : 1) AX5400 Wi-Fi 6 Router
2) AX4800 Wi-Fi 6 Router
Brand Name : D-Link
Test Model : DIR-X5460
Series Model : DIR-X4860
Applicant : D-Link Corporation
Address : 17595 Mt. Herrmann, Fountain Valley, California United States 92708
Manufacturer : D-Link Corporation
Address : 17595 Mt. Herrmann, Fountain Valley, California United States 92708
Date of Receipt : Feb. 16, 2020
Date of Test : Feb. 16, 2020~Mar. 19, 2020
Issued Date : Apr. 02, 2020
Report Version : R00
Test Sample : Engineering Sample No.: SH2020021330, SH2020021330-1
Standard(s) : FCC Part15, Subpart C (15.247)
ANSI C63.10-2013
KDB 558074 D01 15.247 Meas Guidance v05r02

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

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Limitation

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

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

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Apr. 02, 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	49%	AC 120V/60Hz	Forest Li
Radiated Emissions-9K-30MHz	21°C	40%	AC 120V/60Hz	Forest Li
Radiated Emissions-30 MHz to 1GHz	21°C	40%	AC 120V/60Hz	Forest Li
Radiated Emissions-Above 1000 MHz	21°C	40%	AC 120V/60Hz	Forest Li
Bandwidth	20°C	52%	AC 120V/60Hz	Forest Li
Maximum output power & e.i.r.p.	20°C	52%	AC 120V/60Hz	Forest Li
Conducted Spurious Emissions	20°C	52%	AC 120V/60Hz	Forest Li
Power Spectral Density	20°C	52%	AC 120V/60Hz	Forest Li

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	1) AX5400 Wi-Fi 6 Router 2) AX4800 Wi-Fi 6 Router
Brand Name	D-Link
Test Model	DIR-X5460
Series Model	DIR-X4860
Model Difference(s)	Only the model name and the product name are different.
Software Version	1
Hardware Version	A1
Power Source	DC Voltage supplied from AC/DC adapter: Model:S24B72-120A200-0K
Power Rating	I/P: 100-240V ~ 50/60Hz Max. 0.8A O/P: 12V --- 2A
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 Avg Output Power Non-Beamforming	IEEE 802.11b: 23.31 dBm (0.2143 W) IEEE 802.11g: 21.46 dBm (0.1400 W) IEEE 802.11n (HT20): 23.69 dBm (0.2339 W) IEEE 802.11n (HT40): 21.73 dBm (0.1489 W)
Maximum Avg Output Power Beamforming	IEEE 802.11n (HT20): 23.62 dBm (0.2301 W) IEEE 802.11n (HT40): 21.62 dBm (0.1452 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		

For 2T2R
3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	N/A	N/A	Dipole	IPEX	3	N/A
2	N/A	N/A	Dipole	IPEX	3	N/A

Note:

(1) Antenna Gain=3 dBi. For 2.4G, this EUT supports MIMO 2X2, any transmit signals are correlated with each other, so Directional gain = $G_{Ant.} + 10\log(N)$ dBi, that is Directional gain = $3 + 10\log(2)$ dBi = 6.01. So output power limit is $30 - 6.01 + 6 = 29.99$, the power spectral density limit is $8 - 6.01 + 6 = 7.99$.

(2) Ant. 1 for 1TX was found to be the worst case and recorded.

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
Mode 5	TX N20 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 N20 Mode Channel 06

Radiated emissions test - Below 1GHz	
Final Test Mode:	Description
Mode 5	TX N20 Mode Channel 06

Radiated emissions test- Above 1GHz	
Final Test Mode:	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09

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 802.11n20 Channel 06 is found to be the worst case and recorded.

2.3 PARAMETERS OF TEST SOFTWARE
Non-Beamforming

Test Software	accessMTool.exe		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	85	90	83
IEEE 802.11g	69	81	68
IEEE 802.11n (HT20)	67	77	66
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	60	68	63

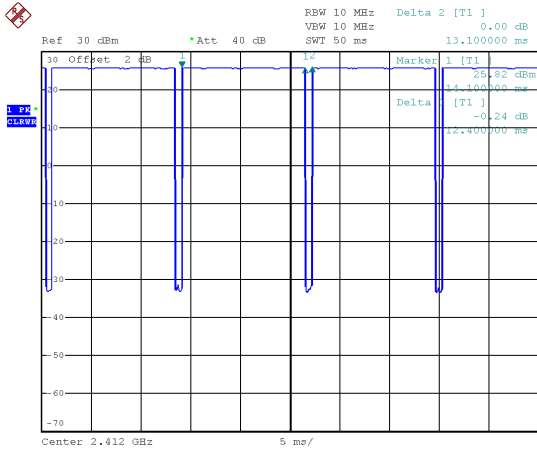
Beamforming

Test Software	accessMTool.exe		
Frequency (MHz)	2412	2437	2462
IEEE 802.11n (HT20)	67	77	66
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	60	68	63

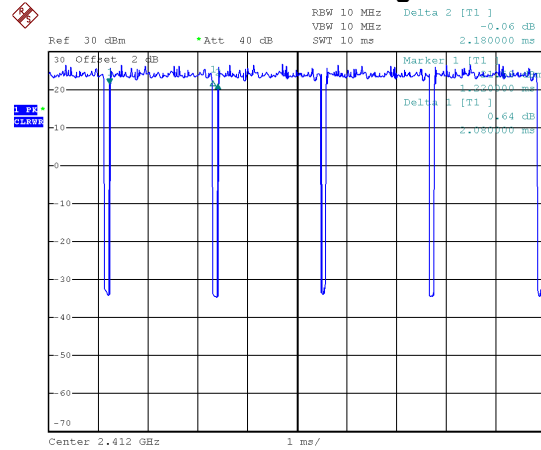
2.4 DUTY CYCLE

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



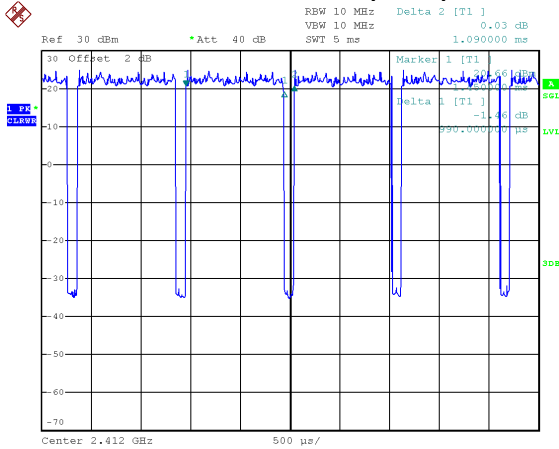
Date: 16.MAR.2020 21:37:18

Duty cycle = $12.400 \text{ ms} / 13.100 \text{ ms} = 94.66\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.24$

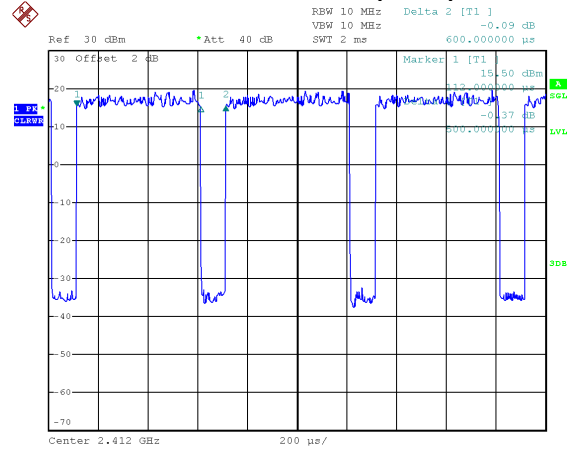
Date: 16.MAR.2020 21:41:18

Duty cycle = $2.080 \text{ ms} / 2.180 \text{ ms} = 95.41\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.20$

IEEE 802.11n (HT20)



IEEE 802.11n (HT40)



Date: 16.MAR.2020 21:43:12

Duty cycle = $0.990 \text{ ms} / 1.090 \text{ ms} = 90.83\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.42$,

Date: 16.MAR.2020 21:45:31

Duty cycle = $0.500 \text{ ms} / 0.600 \text{ ms} = 83.33\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.79$

NOTE:

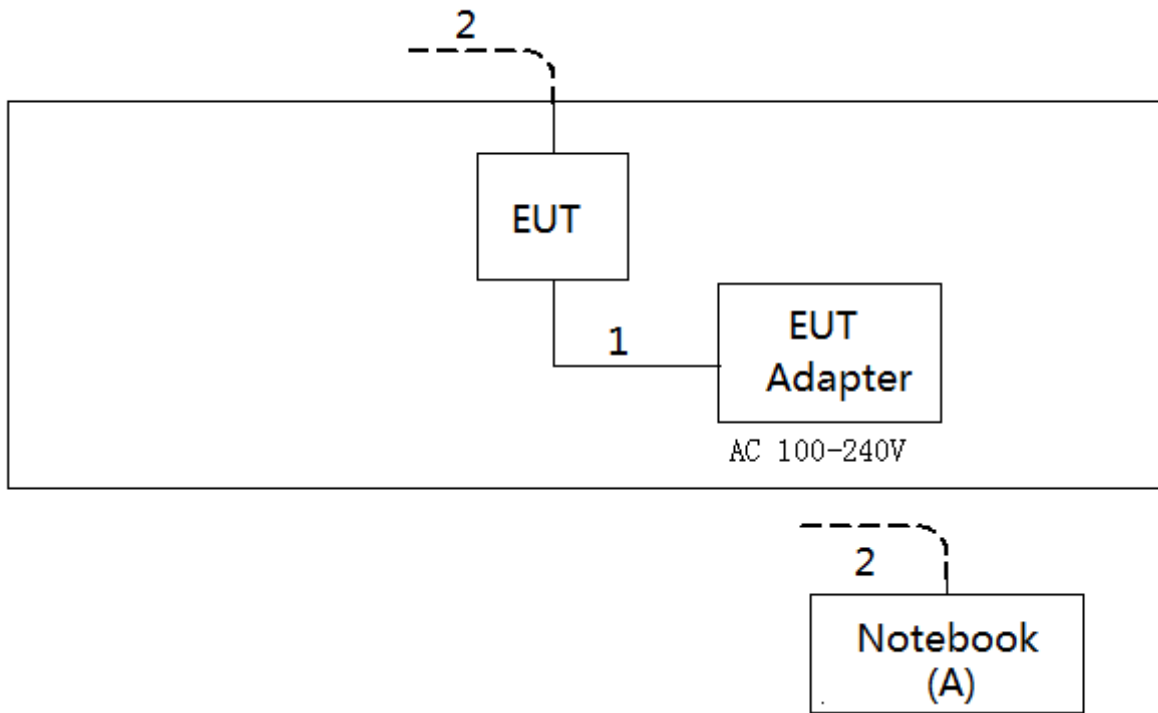
For IEEE 802.11b and IEEE 802.11g:

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 (HT20) and IEEE 802.11n (HT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle $< 98\%$).

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

Item	Equipment	Brand	Model/Type No.	Series No.
A	Notebook	Dell	Inspiron 15-7559	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC	N/A	N/A	1m
2	RJ45 Cable	N/A	N/A	10m

3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

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

NOTE:

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

The following table is the setting of the receiver

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

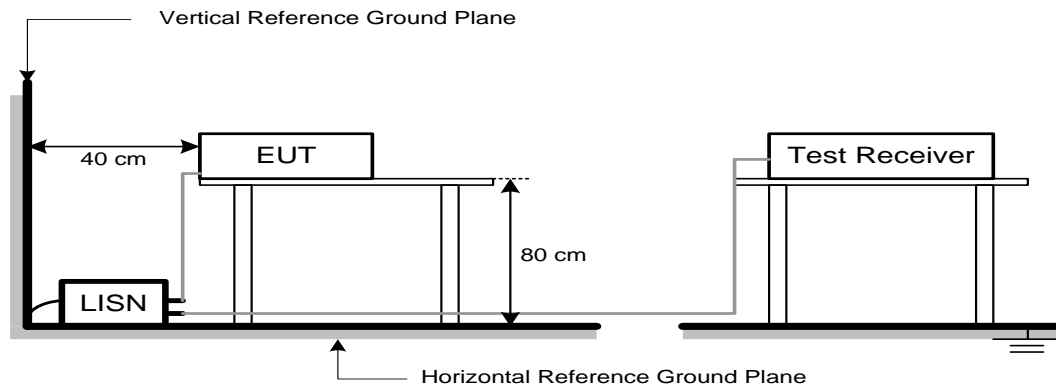
3.2 TEST PROCEDURE

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

3.3 DEVIATION FROM TEST STANDARD

No deviation

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS TEST

4.1 LIMIT

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	Band edge/ Harmonic at 3m (dB μ V/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 (dB μ V/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

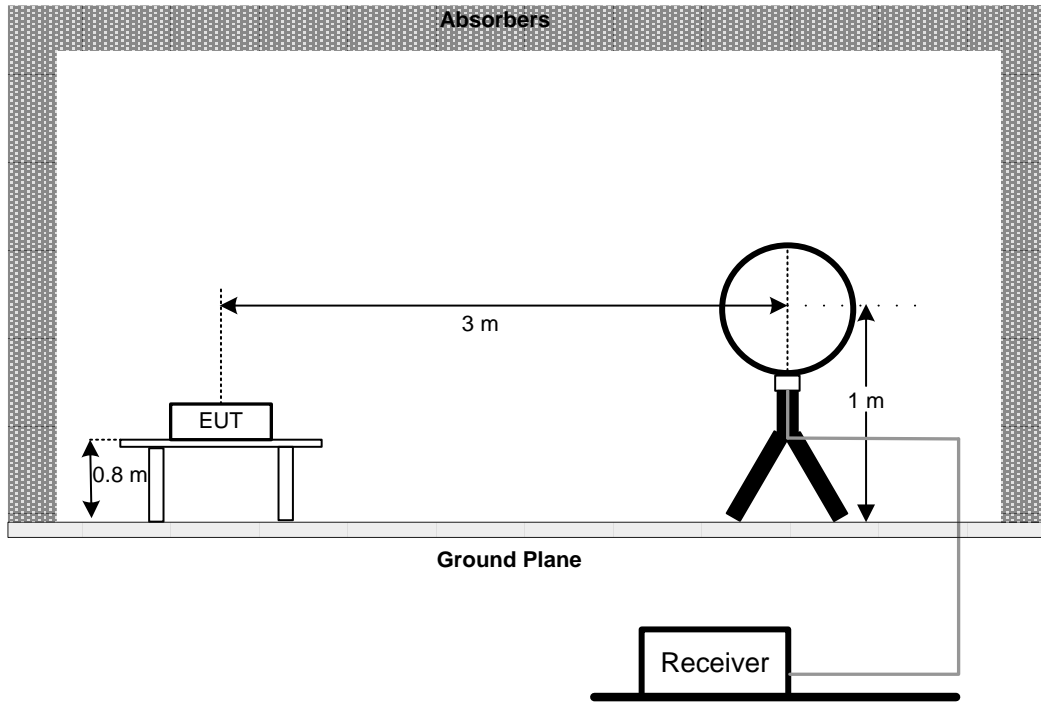
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b. The measuring distance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

4.3 DEVIATION FROM TEST STANDARD

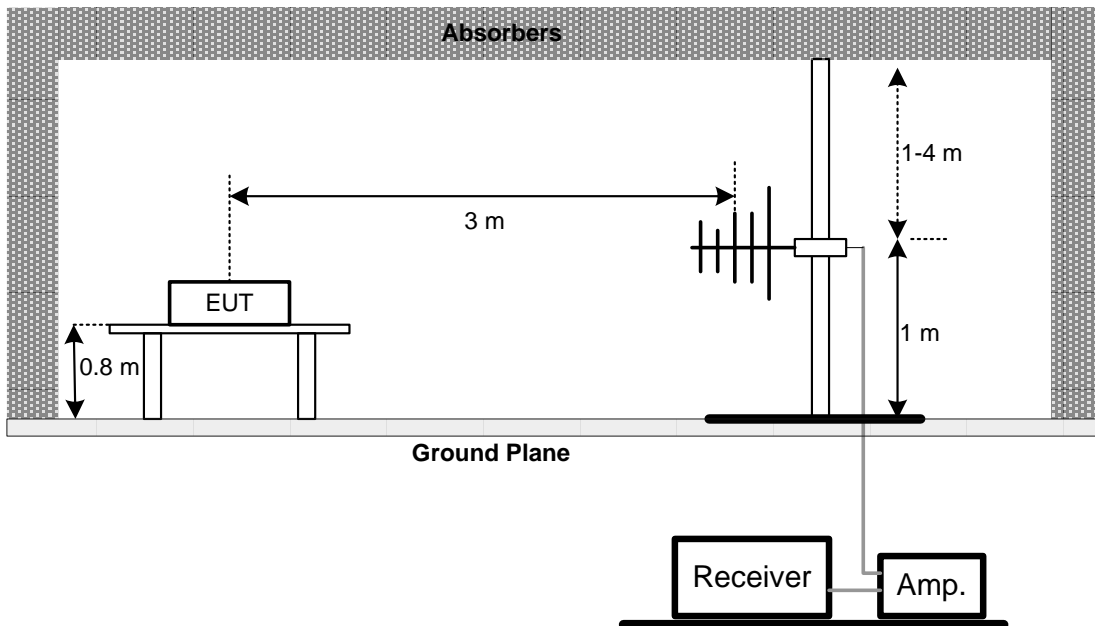
No deviation

4.4 TEST SETUP

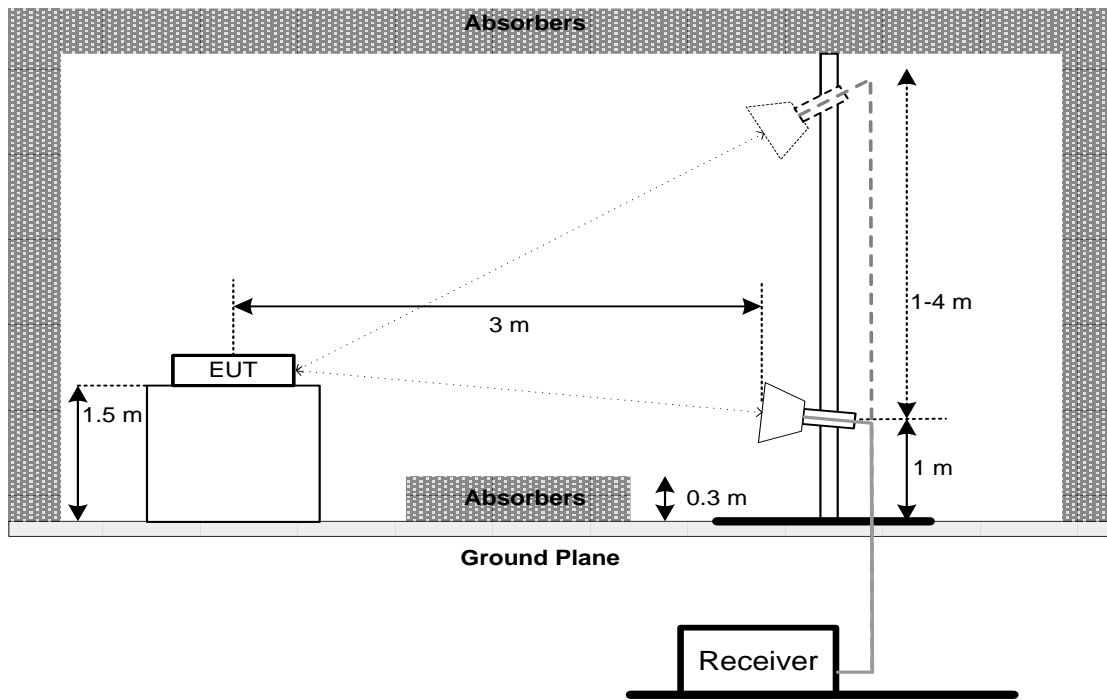
9 kHz-30 MHz



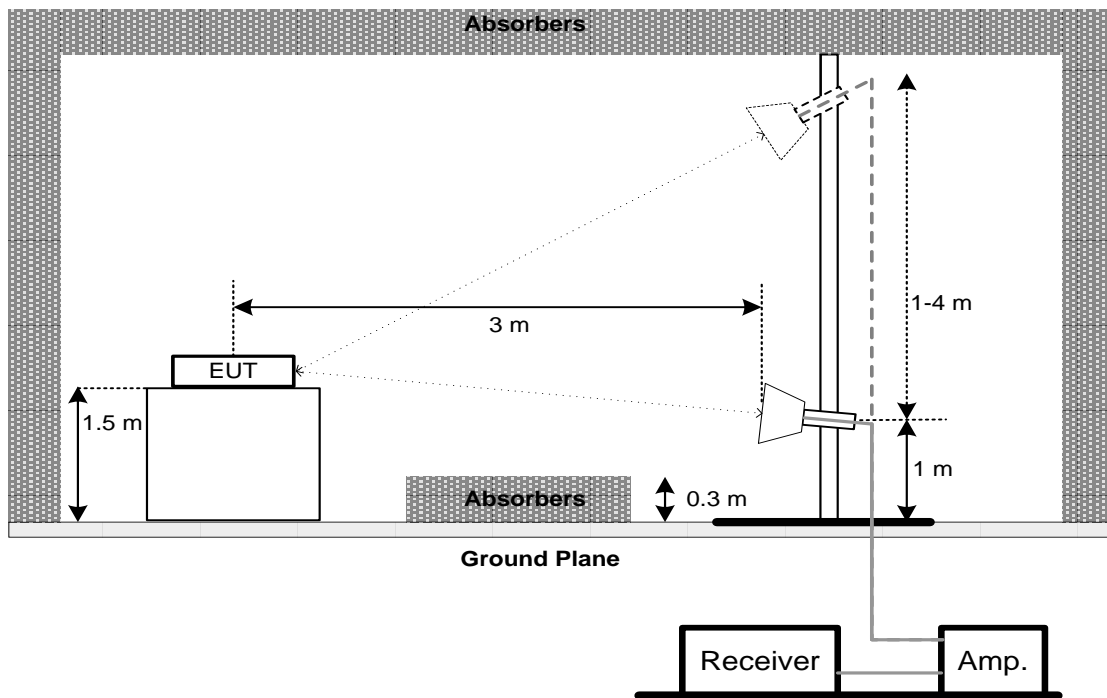
30 MHz to 1 GHz



Above 1 GHz Band edge



Harmonic



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**

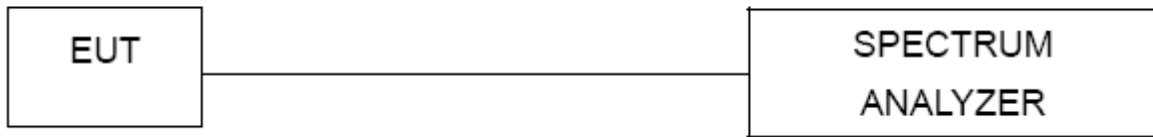
FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(a)(2)	6 dB Bandwidth	Minimum 500 kHz
	99% Emission Bandwidth	-

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

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 ISSED

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

- 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)

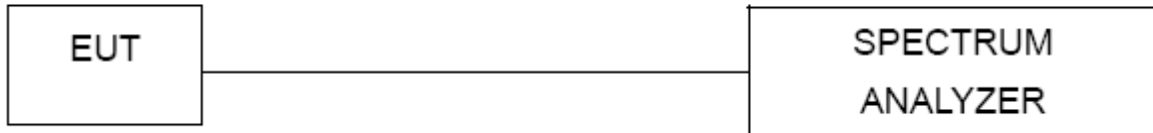
8.2 TEST PROCEDURE

- 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. 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-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

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

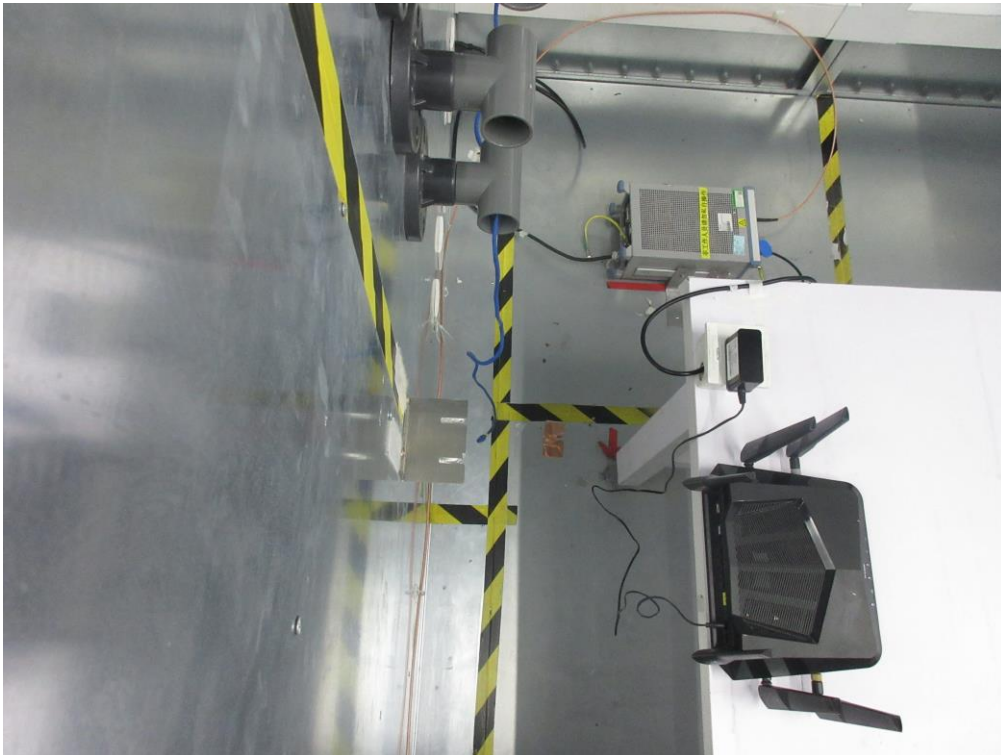
Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyze	Keysight	8990B	MY51000507	Mar. 29, 2020
2	Wideband Power Sensor	Keysight	N9123A	MY58310003	Mar. 29, 2020

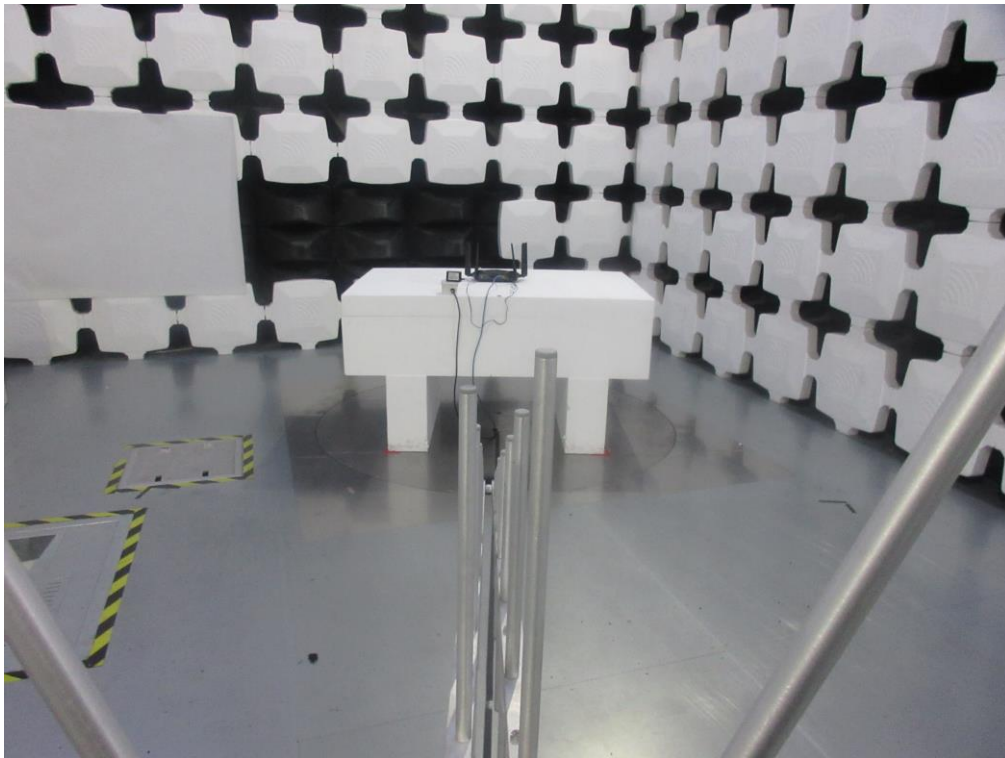
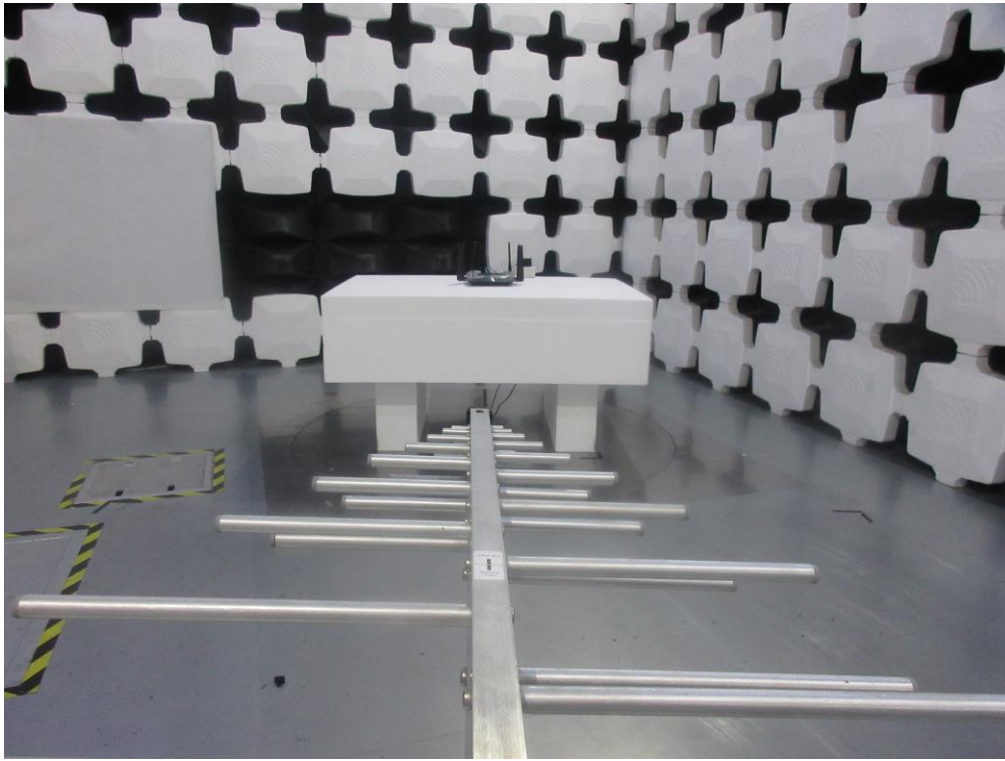
Antenna Conducted Spurious Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 29, 2020

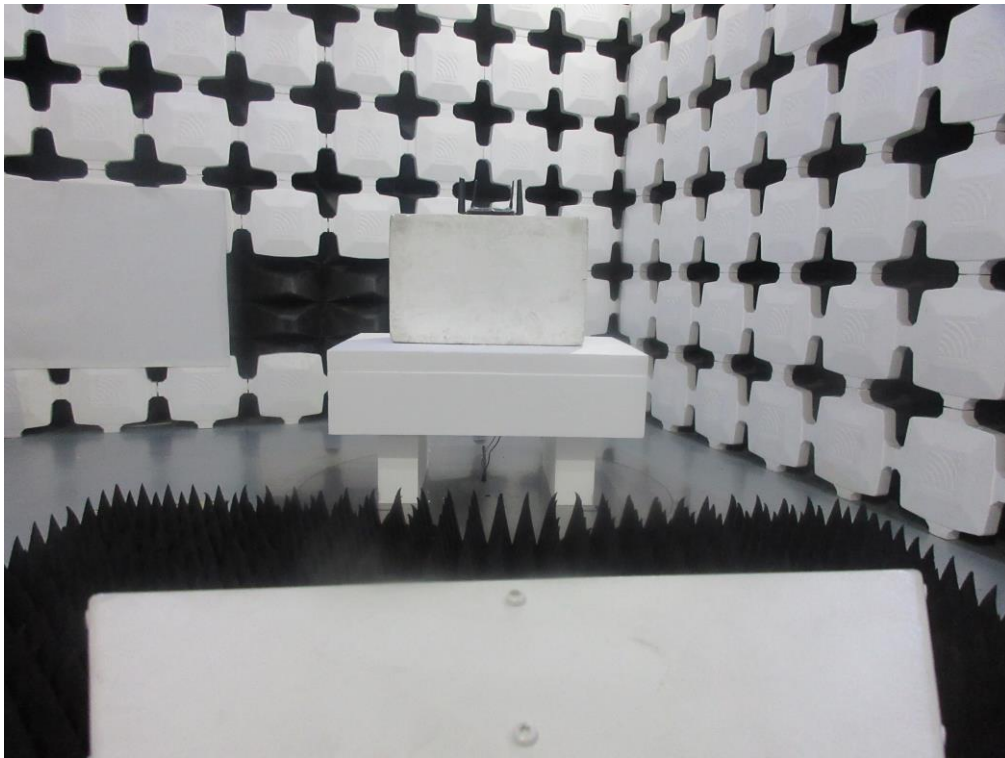
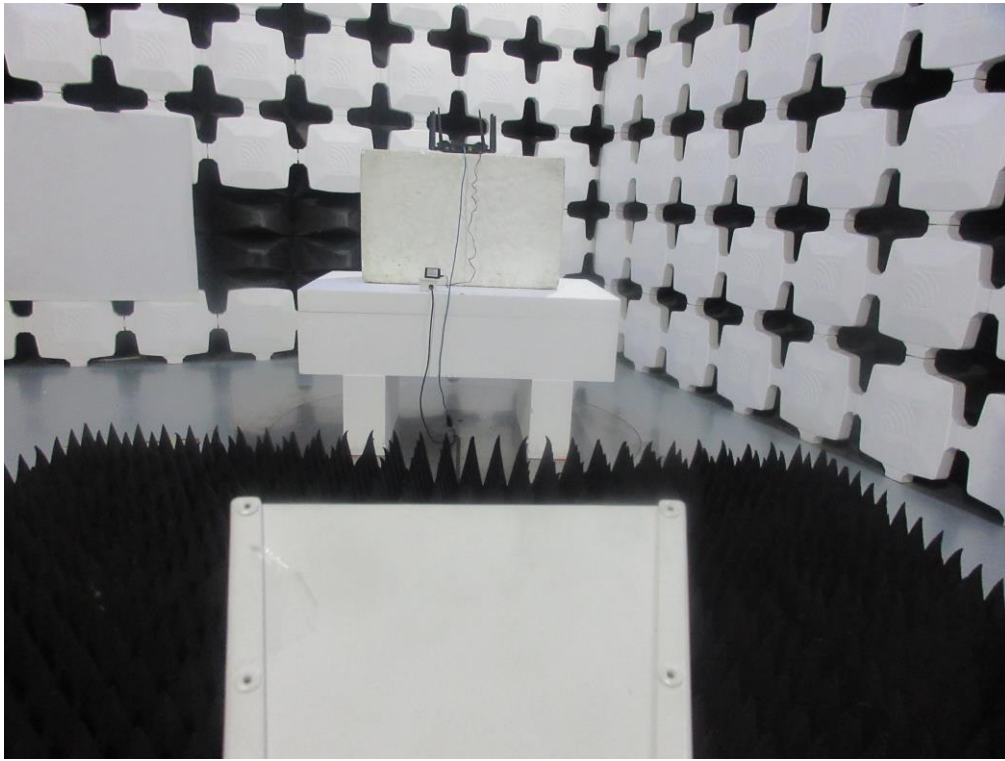
Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 29, 2020

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**

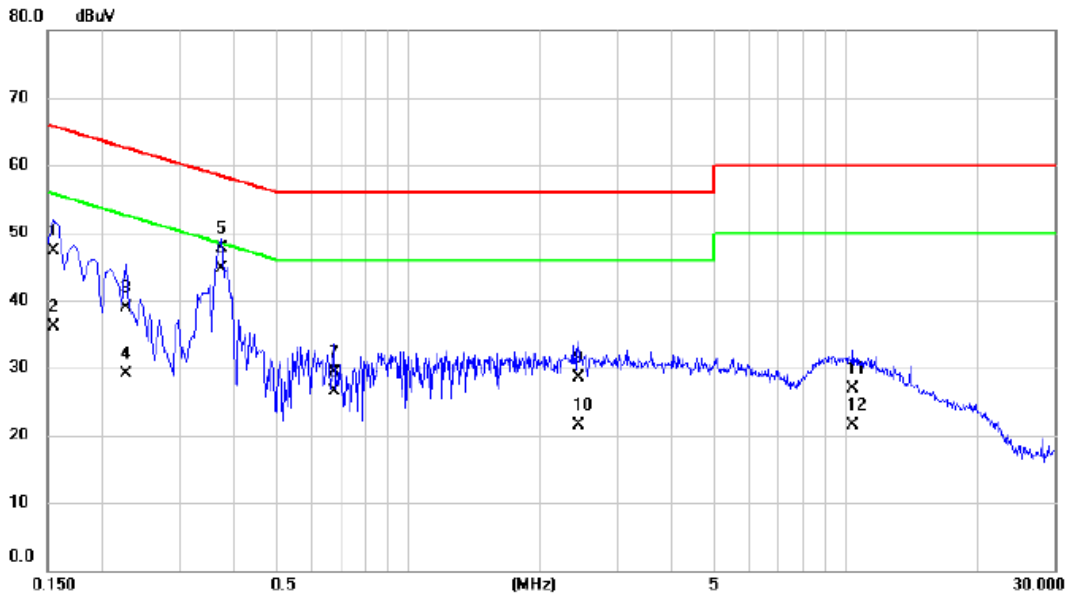
Radiated Emissions Test Photos**30 MHz to 1 GHz**

Radiated Emissions Test Photos**Above 1 GHz**

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode: TX N20 Mode Channel 06

Line



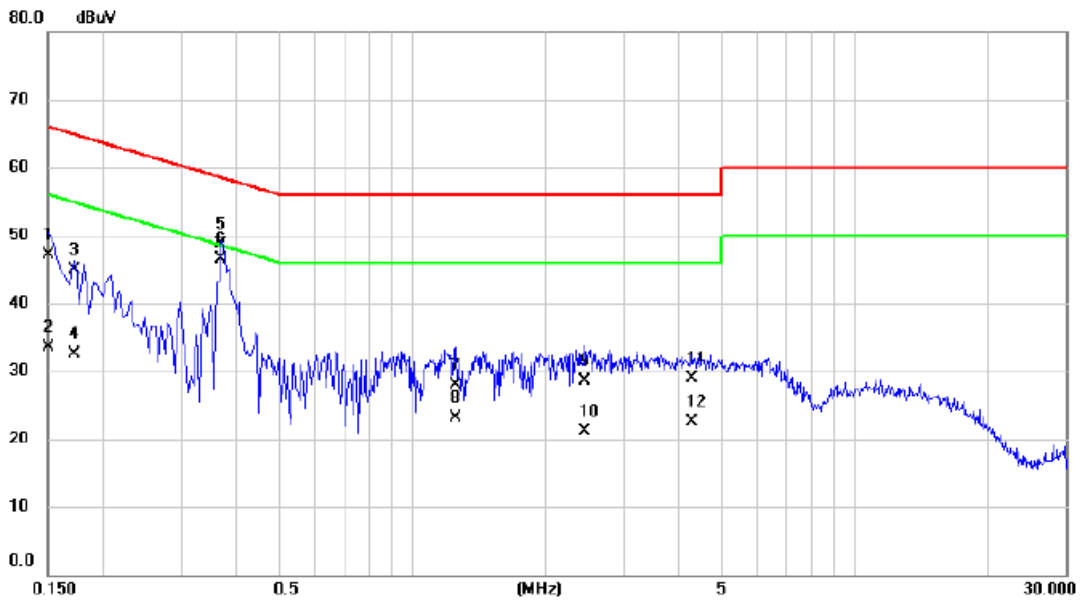
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1545	37.50	9.73	47.23	65.75	-18.52	QP	
2		0.1545	26.30	9.73	36.03	55.75	-19.72	AVG	
3		0.2265	29.10	9.79	38.89	62.58	-23.69	QP	
4		0.2265	19.40	9.79	29.19	52.58	-23.39	AVG	
5		0.3750	37.90	9.85	47.75	58.39	-10.64	QP	
6	*	0.3750	34.90	9.85	44.75	48.39	-3.64	AVG	
7		0.6765	19.40	9.85	29.25	56.00	-26.75	QP	
8		0.6765	16.70	9.85	26.55	46.00	-19.45	AVG	
9		2.4540	18.70	9.82	28.52	56.00	-27.48	QP	
10		2.4540	11.60	9.82	21.42	46.00	-24.58	AVG	
11		10.3650	16.80	10.19	26.99	60.00	-33.01	QP	
12		10.3650	11.40	10.19	21.59	50.00	-28.41	AVG	

REMARKS:

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

Test Mode: TX N20 Mode Channel 06

Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	37.50	9.61	47.11	66.00	-18.89	QP	
2		0.1500	23.80	9.61	33.41	56.00	-22.59	AVG	
3		0.1725	35.20	9.61	44.81	64.84	-20.03	QP	
4		0.1725	22.90	9.61	32.51	54.84	-22.33	AVG	
5		0.3704	39.00	9.67	48.67	58.49	-9.82	QP	
6	*	0.3704	36.90	9.67	46.57	48.49	-1.92	AVG	
7		1.2525	18.10	9.74	27.84	56.00	-28.16	QP	
8		1.2525	13.40	9.74	23.14	46.00	-22.86	AVG	
9		2.4495	18.60	9.81	28.41	56.00	-27.59	QP	
10		2.4495	11.30	9.81	21.11	46.00	-24.89	AVG	
11		4.2990	18.90	9.91	28.81	56.00	-27.19	QP	
12		4.2990	12.60	9.91	22.51	46.00	-23.49	AVG	

REMARKS:

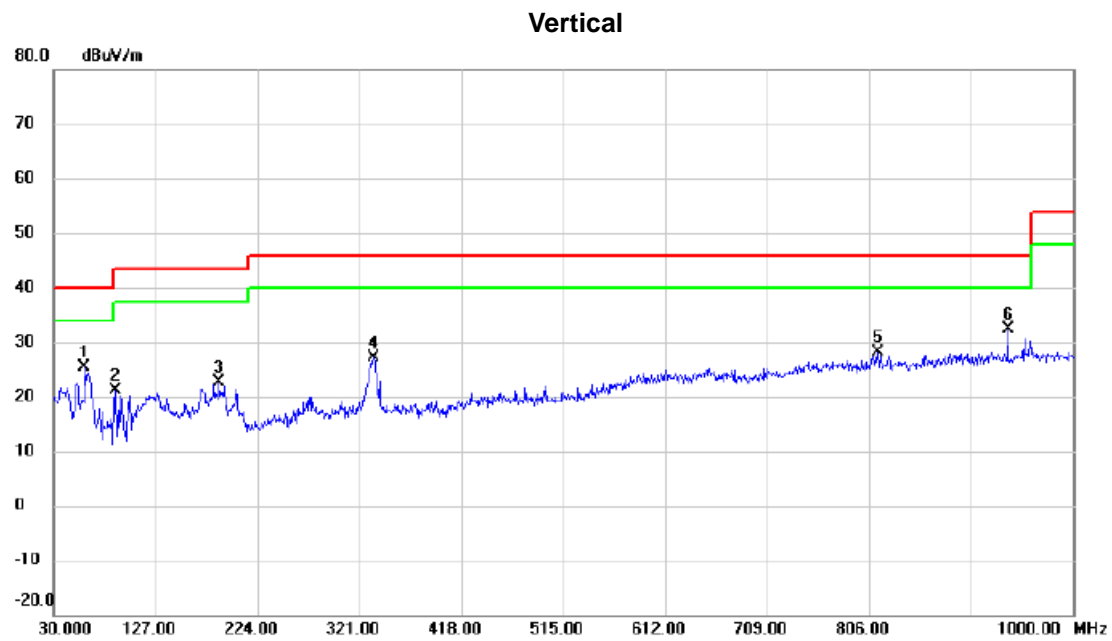
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode: TX N20 Mode Channel 06

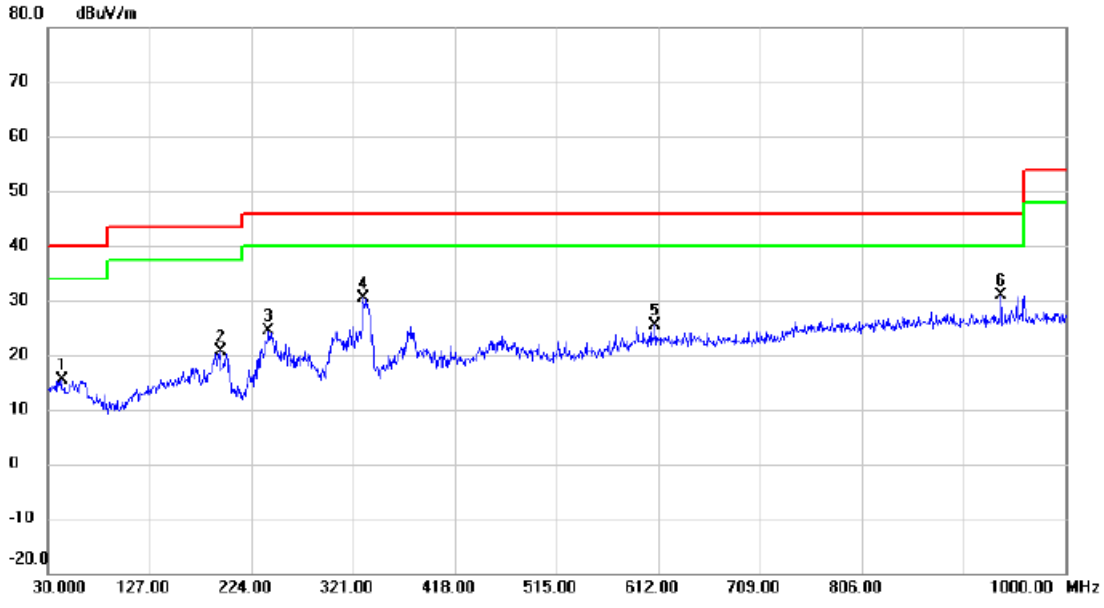


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		59.5850	42.93	-17.56	25.37	40.00	-14.63	peak	
2		88.2000	41.50	-20.44	21.06	43.50	-22.44	peak	
3		187.1400	40.66	-18.00	22.66	43.50	-20.84	peak	
4		335.0650	41.07	-13.84	27.23	46.00	-18.77	peak	
5		813.7600	34.41	-6.34	28.07	46.00	-17.93	peak	
6	*	938.4050	37.55	-5.20	32.35	46.00	-13.65	peak	

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

Test Mode: TX N20 Mode Channel 06

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		43.0950	32.07	-16.64	15.43	40.00	-24.57	peak	
2		194.4150	39.19	-18.54	20.65	43.50	-22.85	peak	
3		240.4900	41.18	-16.91	24.27	46.00	-21.73	peak	
4		330.7000	44.19	-13.88	30.31	46.00	-15.69	peak	
5		609.0900	33.99	-8.62	25.37	46.00	-20.63	peak	
6	*	938.4050	36.06	-5.20	30.86	46.00	-15.14	peak	

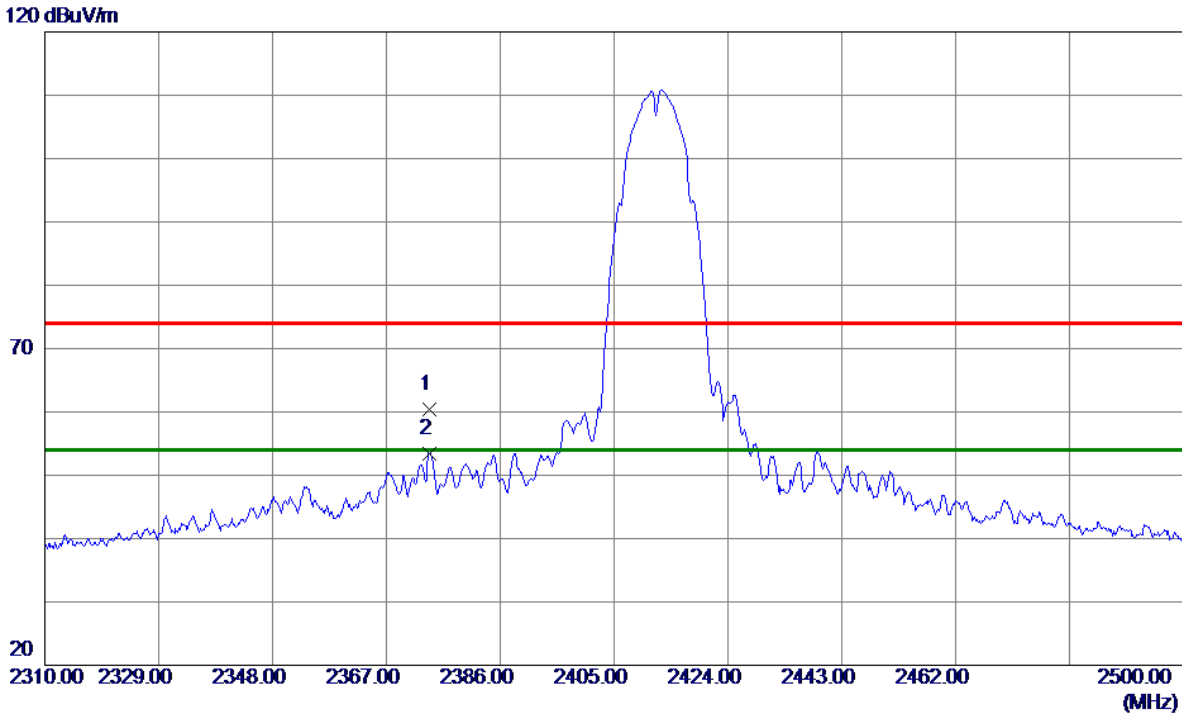
REMARKS:

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

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

Test Mode: TX B Mode 2412 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2374.2200	28.13	32.35	60.48	74.00	-13.52	Peak	
2 *	2374.2200	21.09	32.35	53.44	54.00	-0.56	AVG	

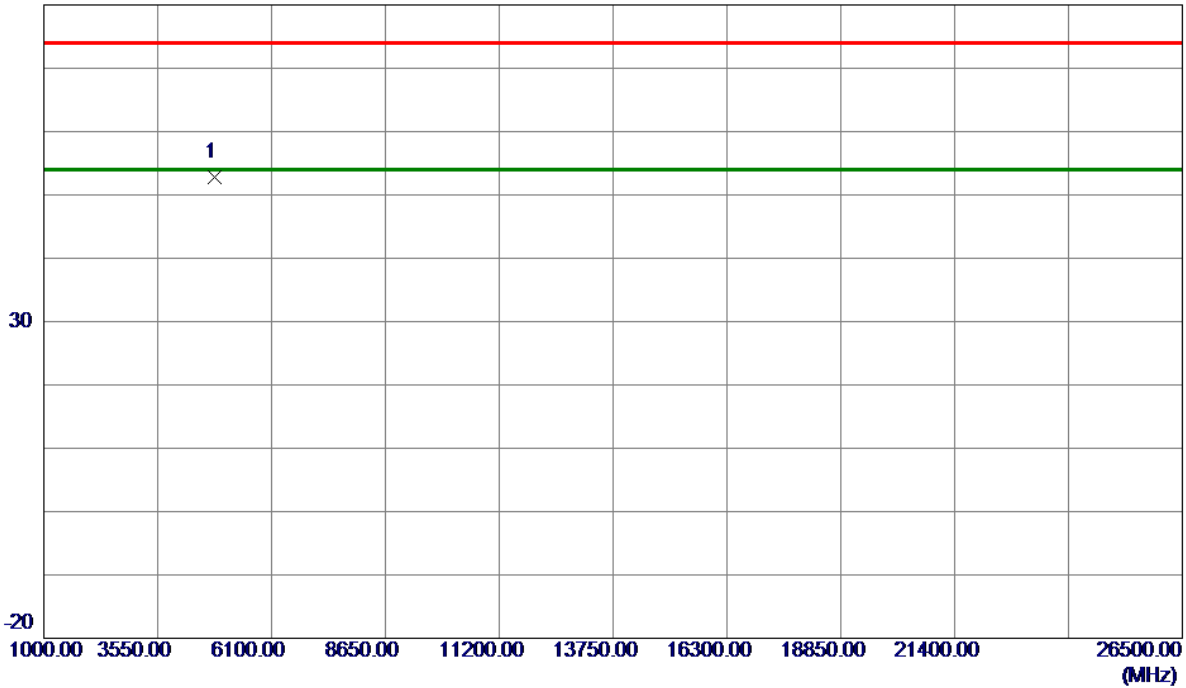
REMARKS:

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

Test Mode: TX B Mode 2412 MHz

Vertical

80 dBuV/m



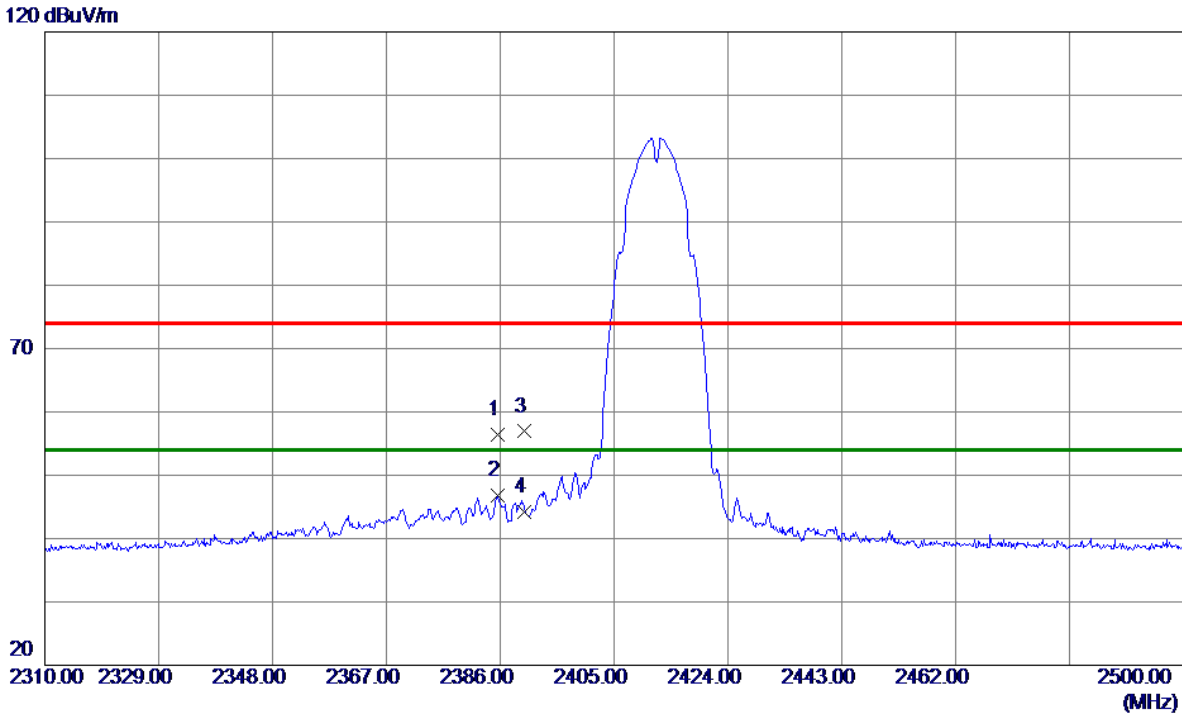
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4825.0000	62.49	-9.69	52.80	74.00	-21.20	Peak	

REMARKS:

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

Test Mode: TX B Mode 2412 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2385.5250	24.05	32.38	56.43	74.00	-17.57	Peak	
2 *	2385.5250	14.35	32.38	46.73	54.00	-7.27	AVG	
3	2390.0000	24.51	32.39	56.90	74.00	-17.10	Peak	
4	2390.0000	11.81	32.39	44.20	54.00	-9.80	AVG	

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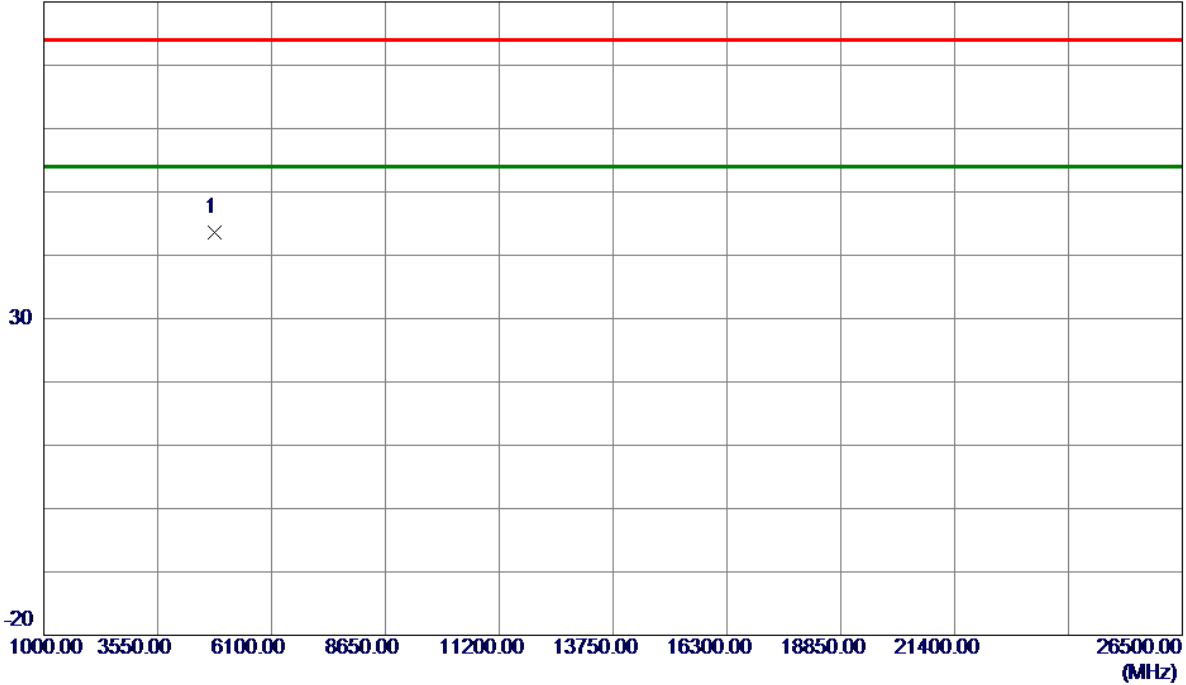
REMARKS:

- (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 *	4825.0000	53.32	-9.69	43.63	74.00	-30.37	Peak	

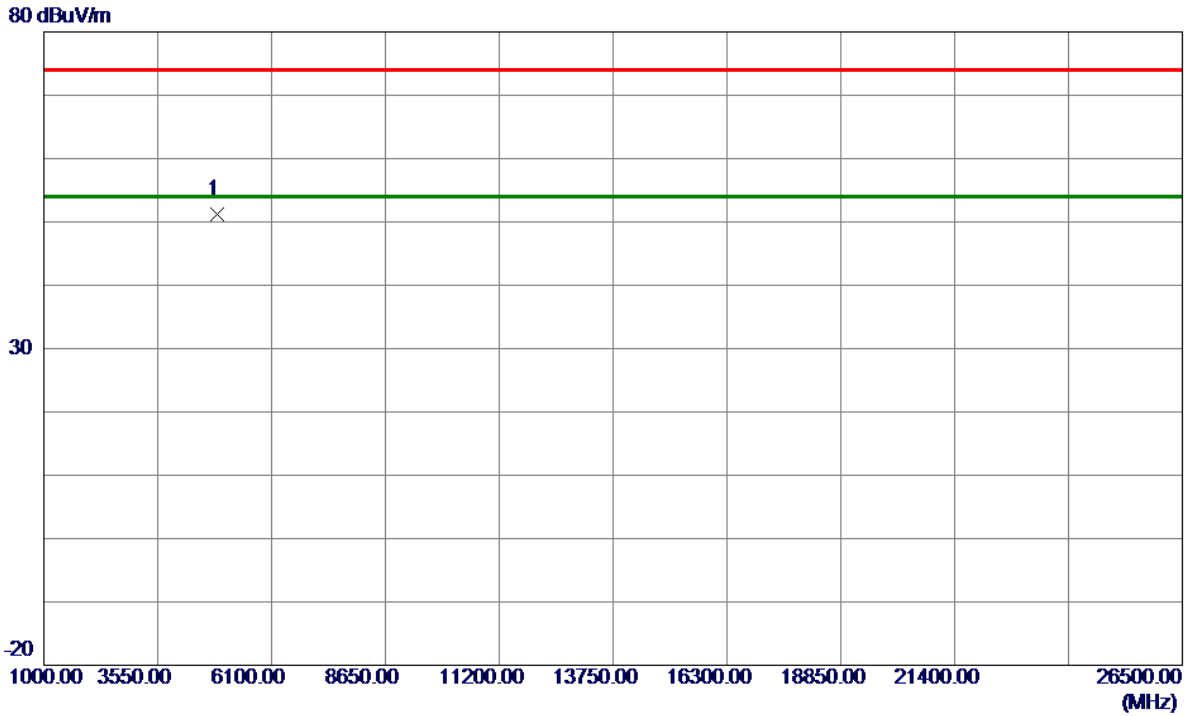
REMARKS:

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

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

Test Mode: TX B Mode 2437 MHz

Vertical



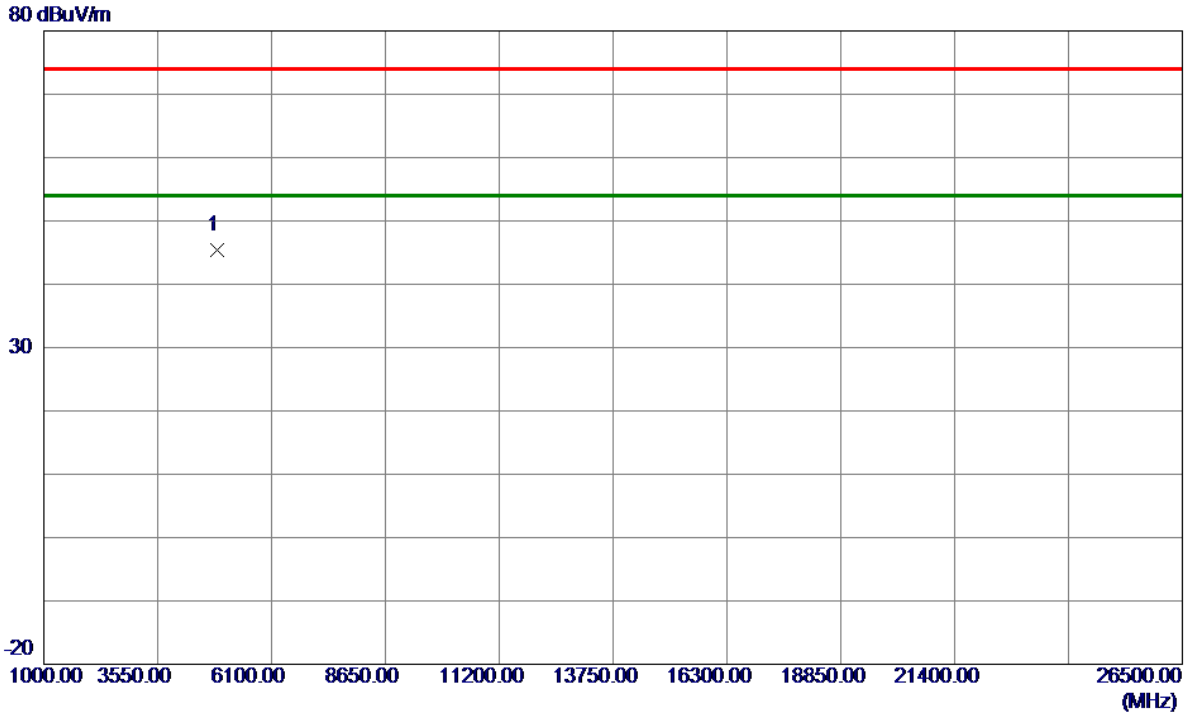
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4873.4500	60.75	-9.50	51.25	74.00	-22.75	Peak	

REMARKS:

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

Test Mode: TX B Mode 2437 MHz

Horizontal



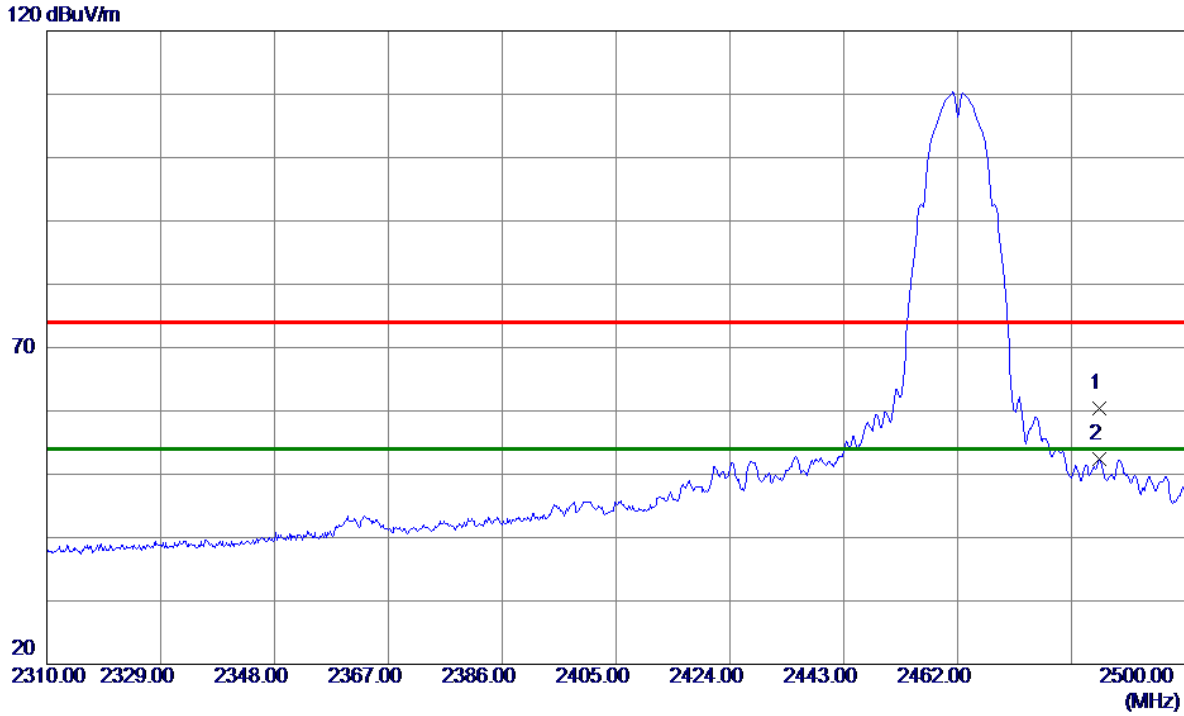
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4873.4500	54.87	-9.50	45.37	74.00	-28.63	Peak	

REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2485.7500	27.78	32.67	60.45	74.00	-13.55	Peak	
2 *	2485.7500	19.73	32.67	52.40	54.00	-1.60	AVG	

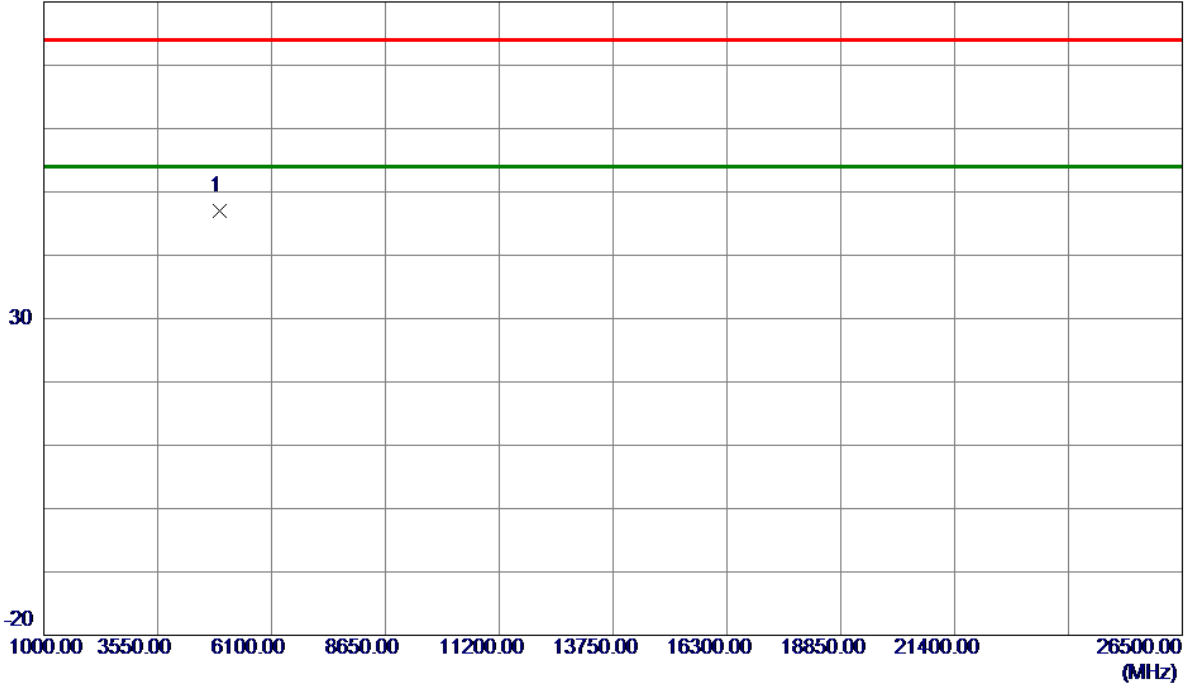
REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Vertical

80 dBuV/m



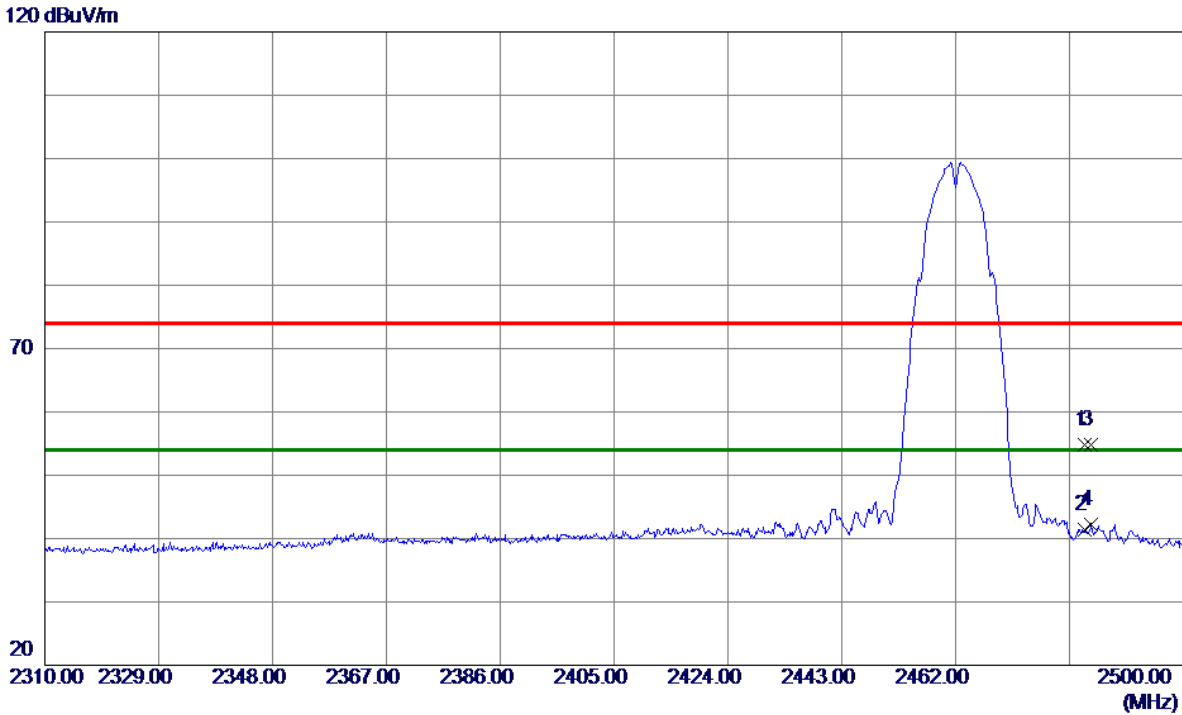
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.4500	56.33	-9.31	47.02	74.00	-26.98	Peak	

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	2483.5000	22.11	32.66	54.77	74.00	-19.23	Peak	
2	2483.5000	8.70	32.66	41.36	54.00	-12.64	AVG	
3	2484.6100	22.20	32.67	54.87	74.00	-19.13	Peak	
4 *	2484.6100	9.58	32.67	42.25	54.00	-11.75	AVG	

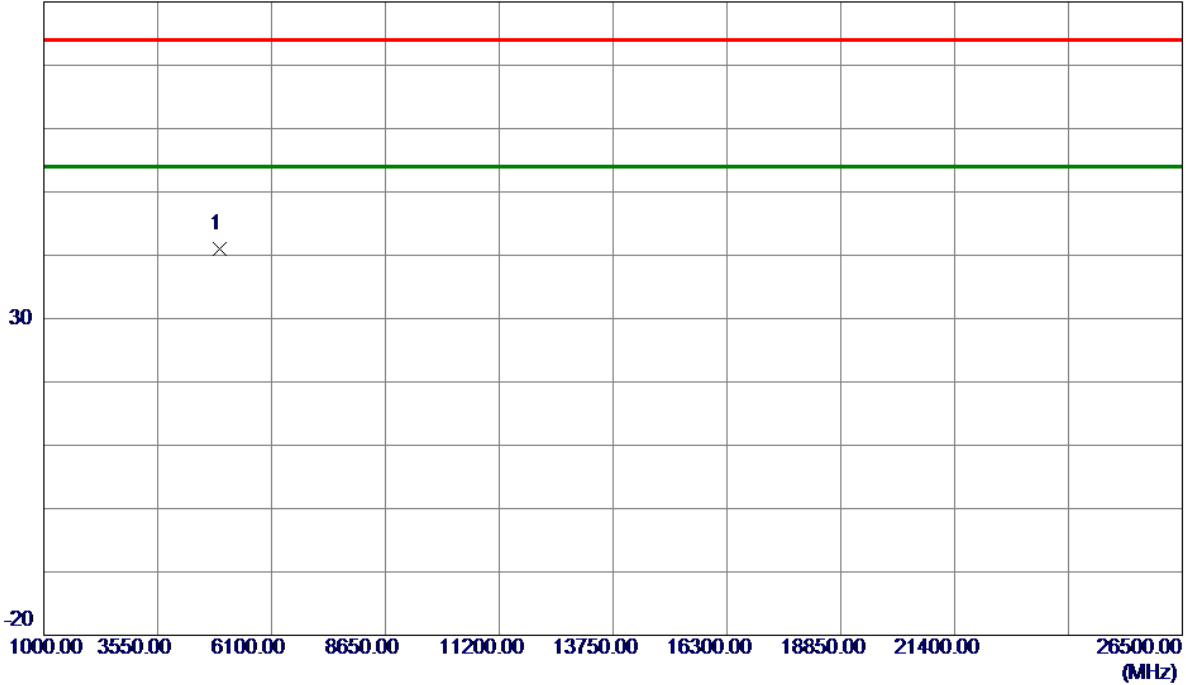
REMARKS:

- (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	50.34	-9.31	41.03	74.00	-32.97	Peak	

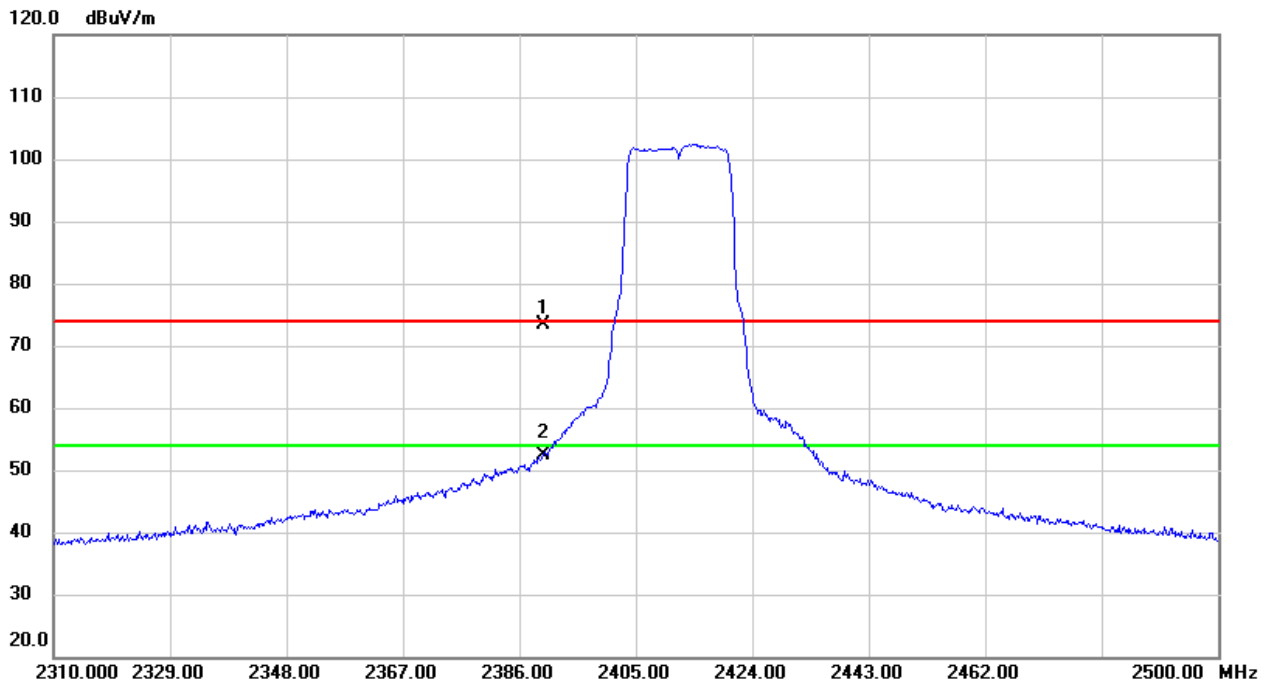
REMARKS:

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

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

Test Mode: TX G Mode 2412 MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2390.000	40.89	32.39	73.28	74.00	-0.72	peak	
2		2390.000	19.88	32.39	52.27	54.00	-1.73	AVG	

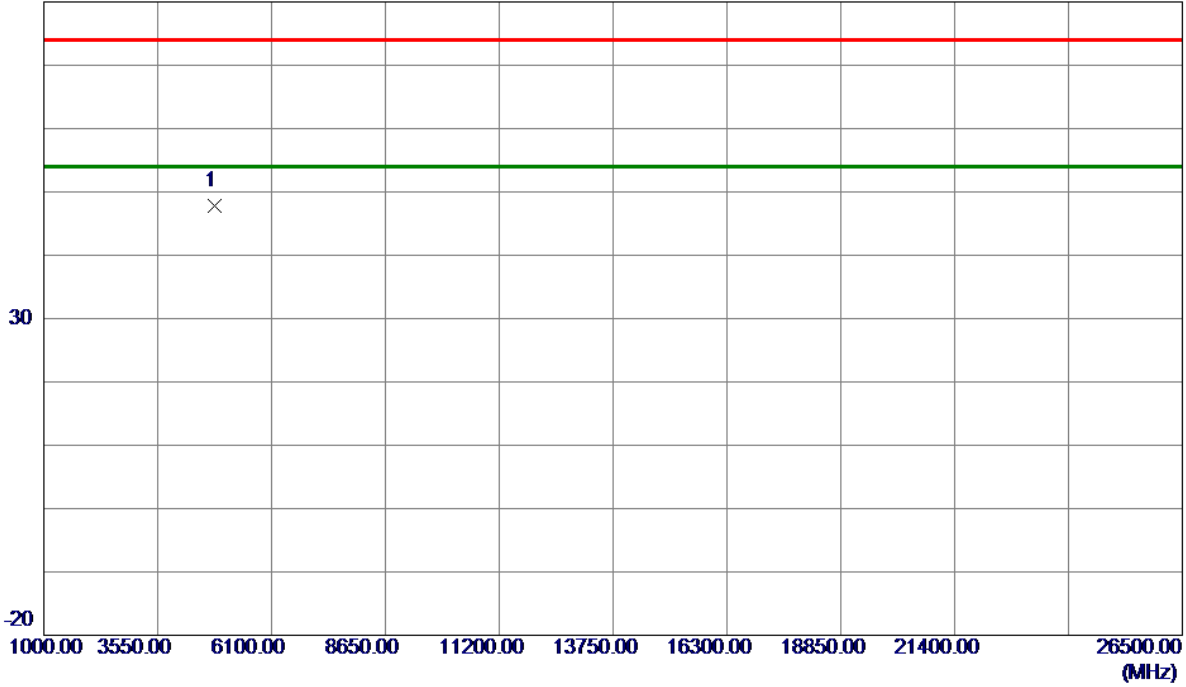
REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Vertical

80 dBuV/m



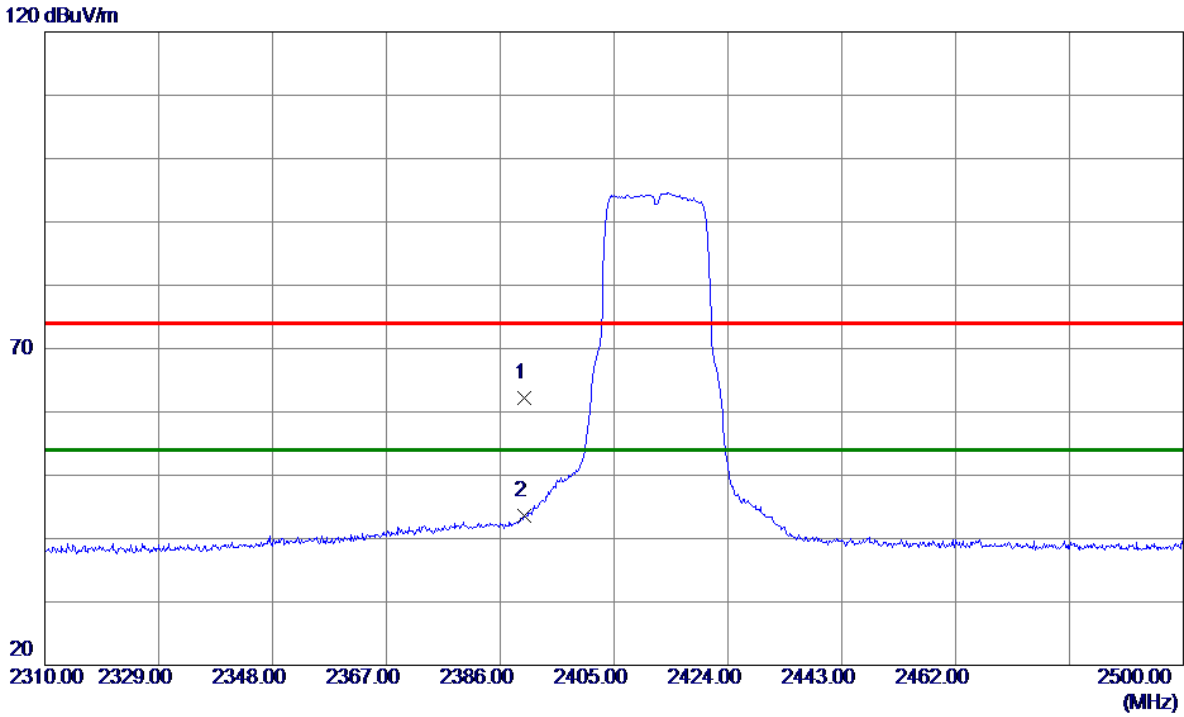
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4817.3500	57.53	-9.71	47.82	74.00	-26.18	Peak	

REMARKS:

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

Test Mode: TX 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	29.75	32.39	62.14	74.00	-11.86	Peak	
2 *	2390.0000	11.28	32.39	43.67	54.00	-10.33	AVG	

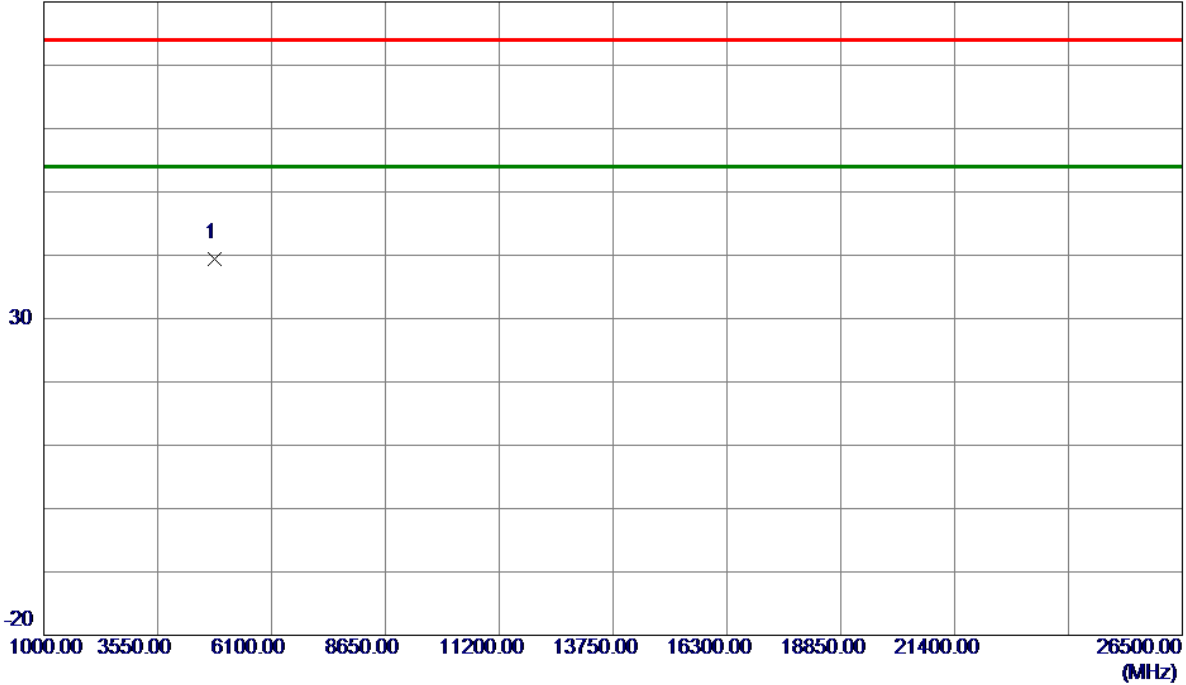
REMARKS:

- (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



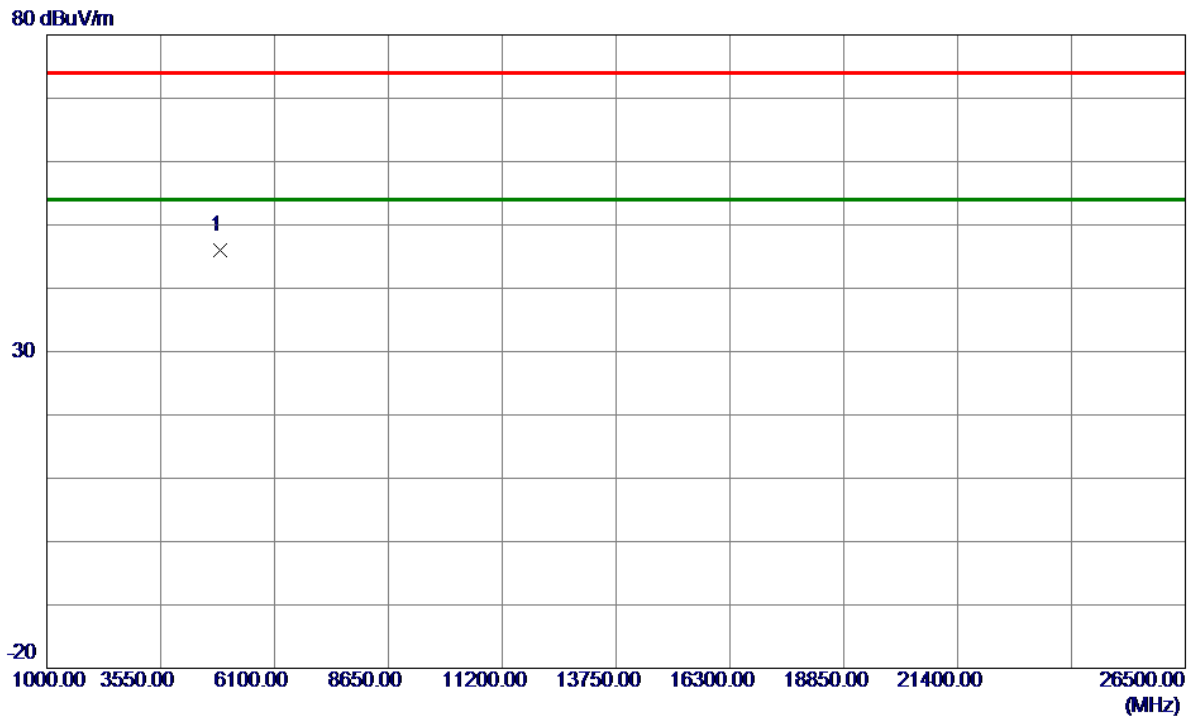
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0000	49.19	-9.69	39.50	74.00	-34.50	Peak	

REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Vertical



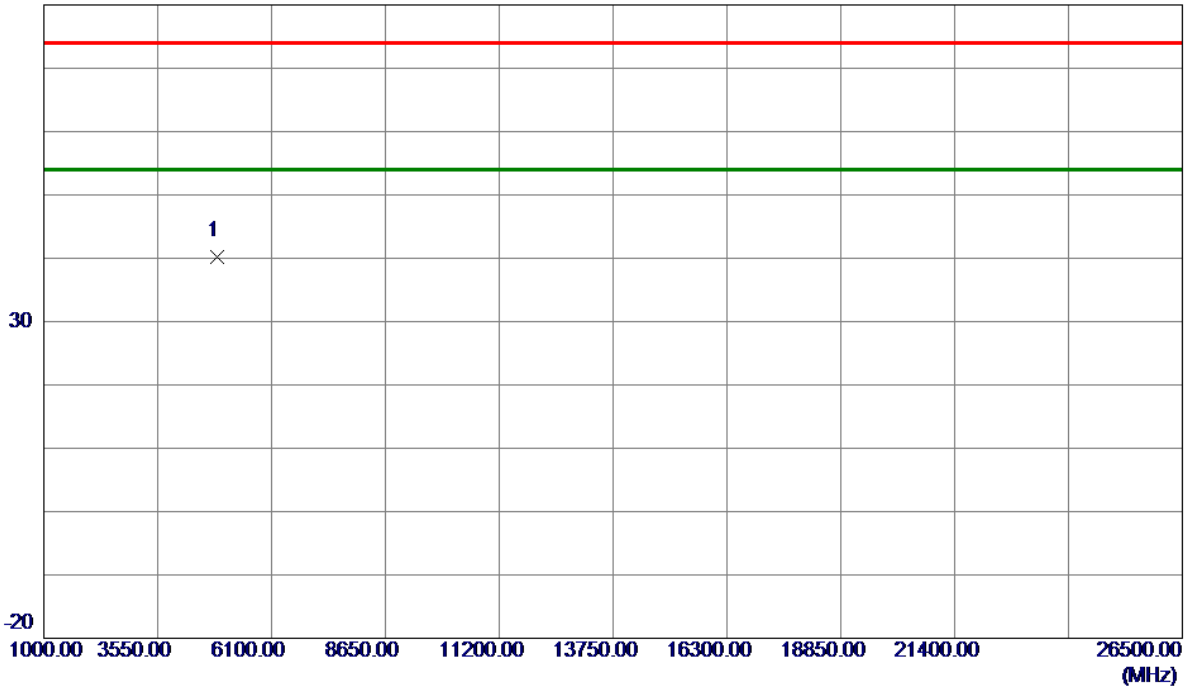
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4870.9000	55.60	-9.51	46.09	74.00	-27.91	Peak	

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



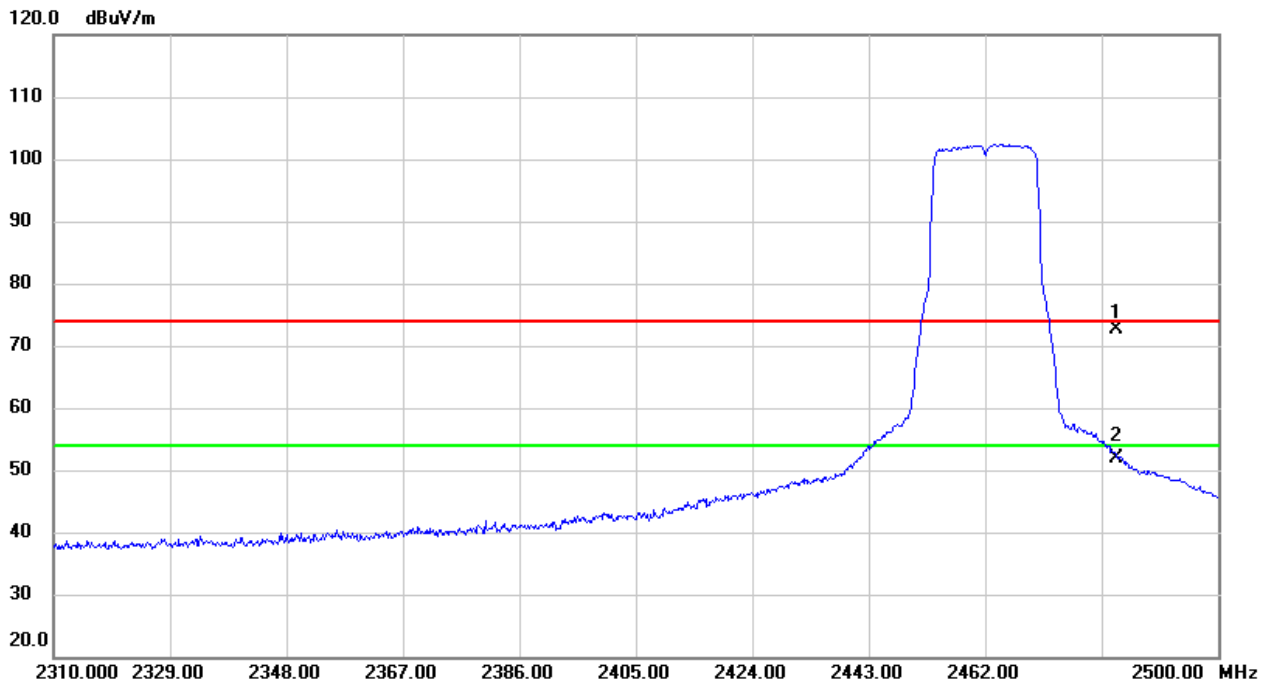
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	49.80	-9.50	40.30	74.00	-33.70	Peak	

REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Vertical



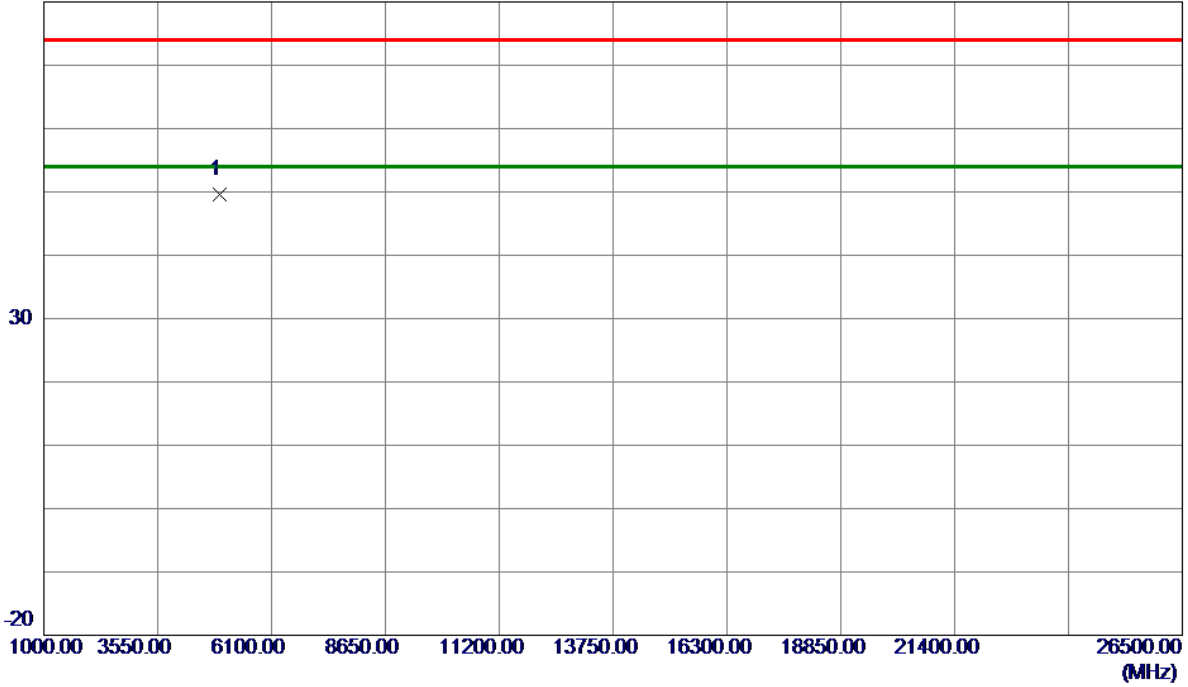
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2483.5000	40.00	32.66	72.66	74.00	-1.34	Peak	
2	2483.5000	18.83	32.66	51.49	54.00	-2.51	AVG	

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

Test Mode: TX G Mode 2462 MHz

Vertical

80 dBuV/m



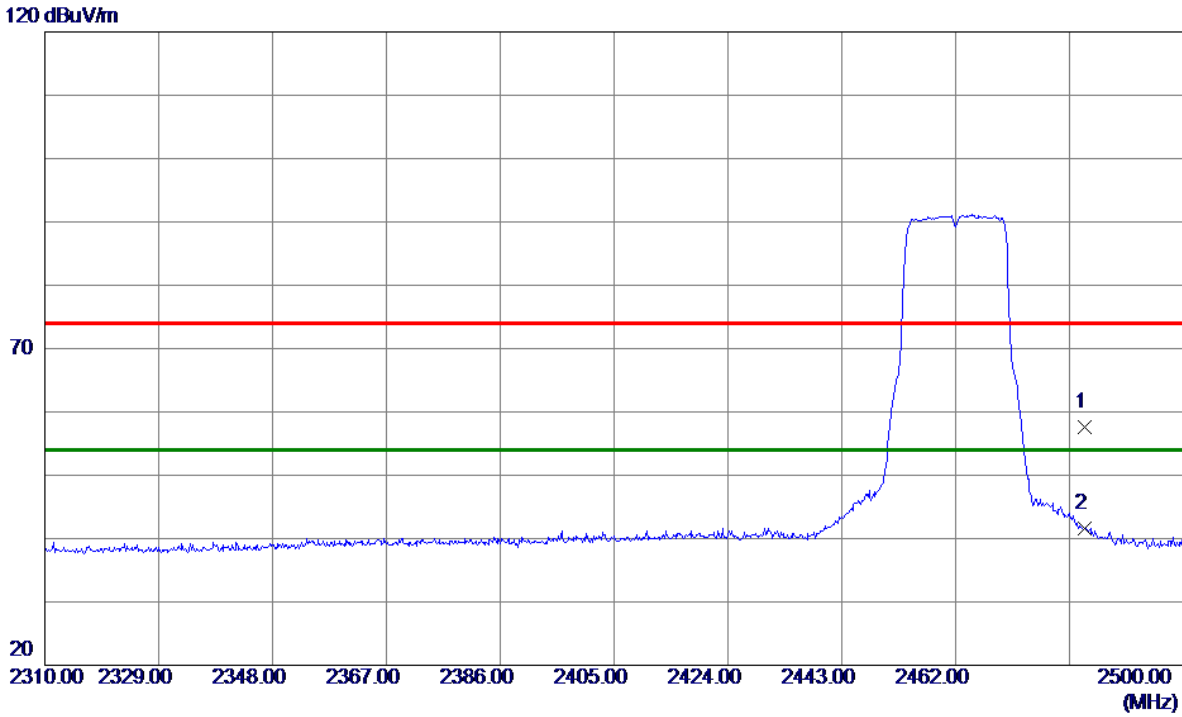
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.4500	58.95	-9.31	49.64	74.00	-24.36	Peak	

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	2483.5000	24.97	32.66	57.63	74.00	-16.37	Peak	
2 *	2483.5000	8.98	32.66	41.64	54.00	-12.36	AVG	

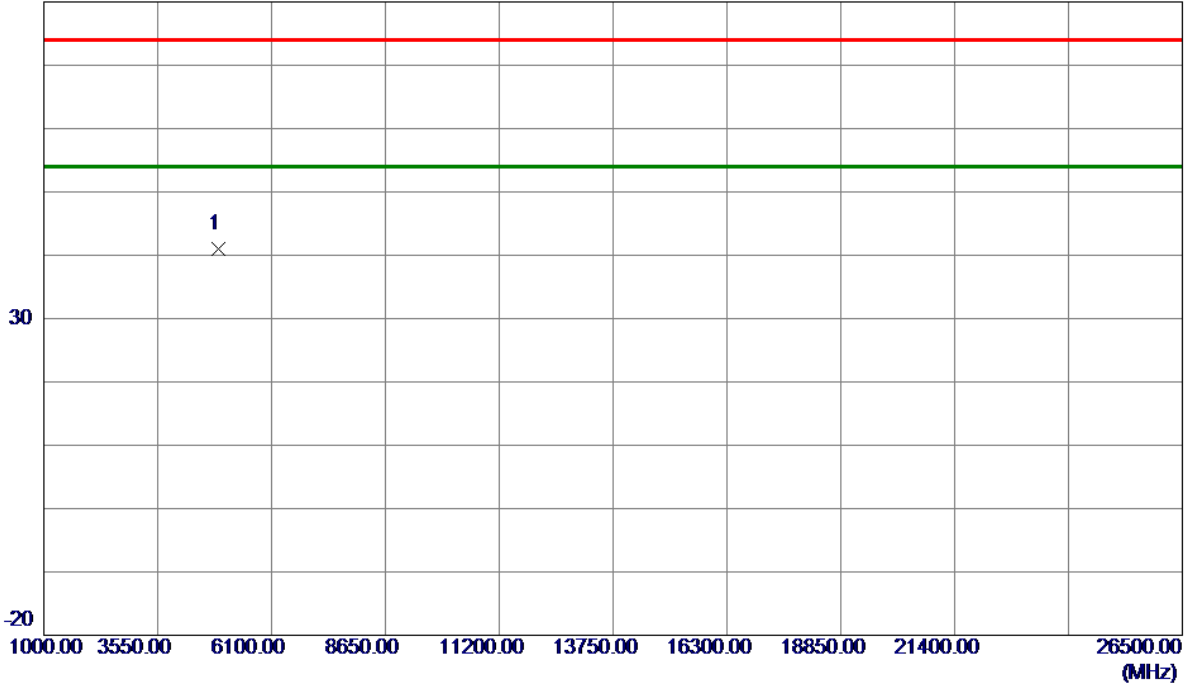
REMARKS:

- (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



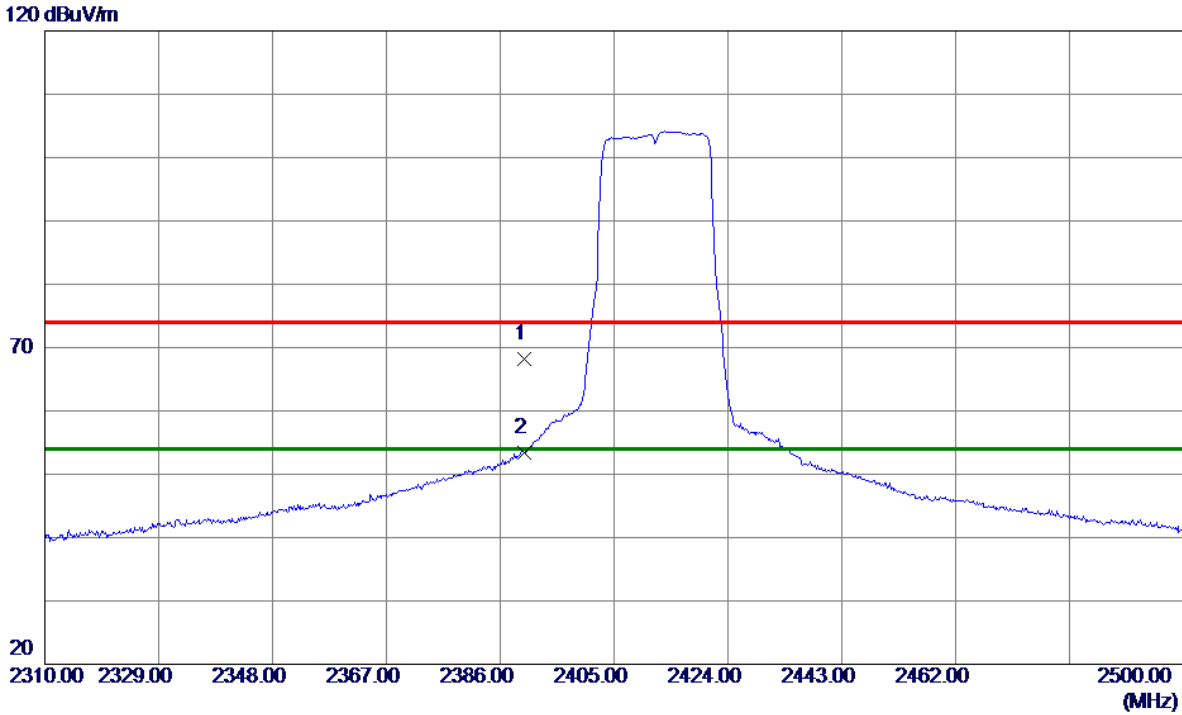
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.0000	50.22	-9.31	40.91	74.00	-33.09	Peak	

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	35.90	32.39	68.29	74.00	-5.71	Peak	
2 *	2390.0000	21.08	32.39	53.47	54.00	-0.53	AVG	

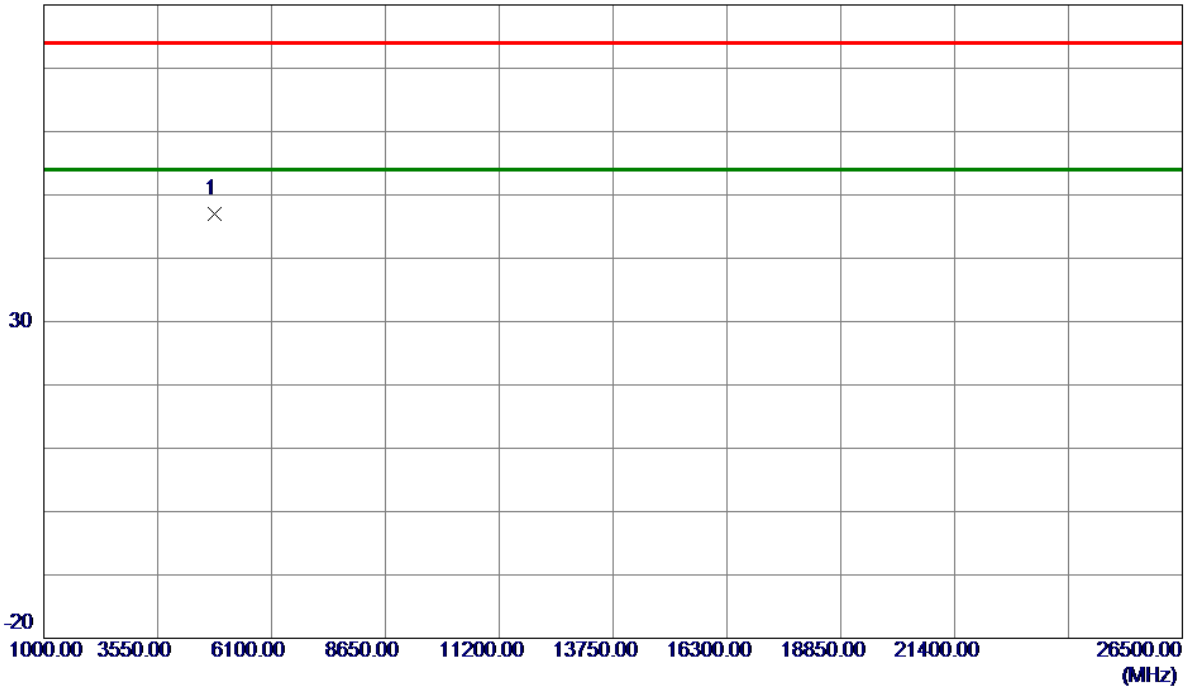
REMARKS:

- (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



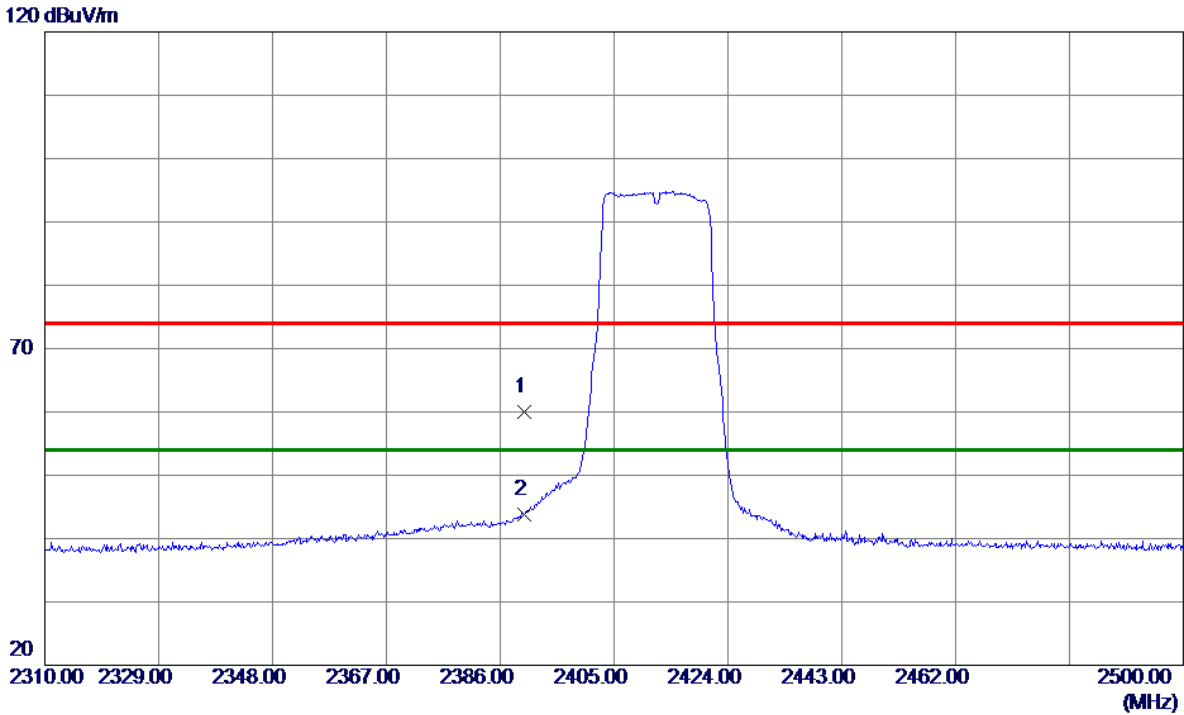
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4830.1000	56.76	-9.67	47.09	74.00	-26.91	Peak	

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	27.61	32.39	60.00	74.00	-14.00	Peak	
2 *	2390.0000	11.49	32.39	43.88	54.00	-10.12	AVG	

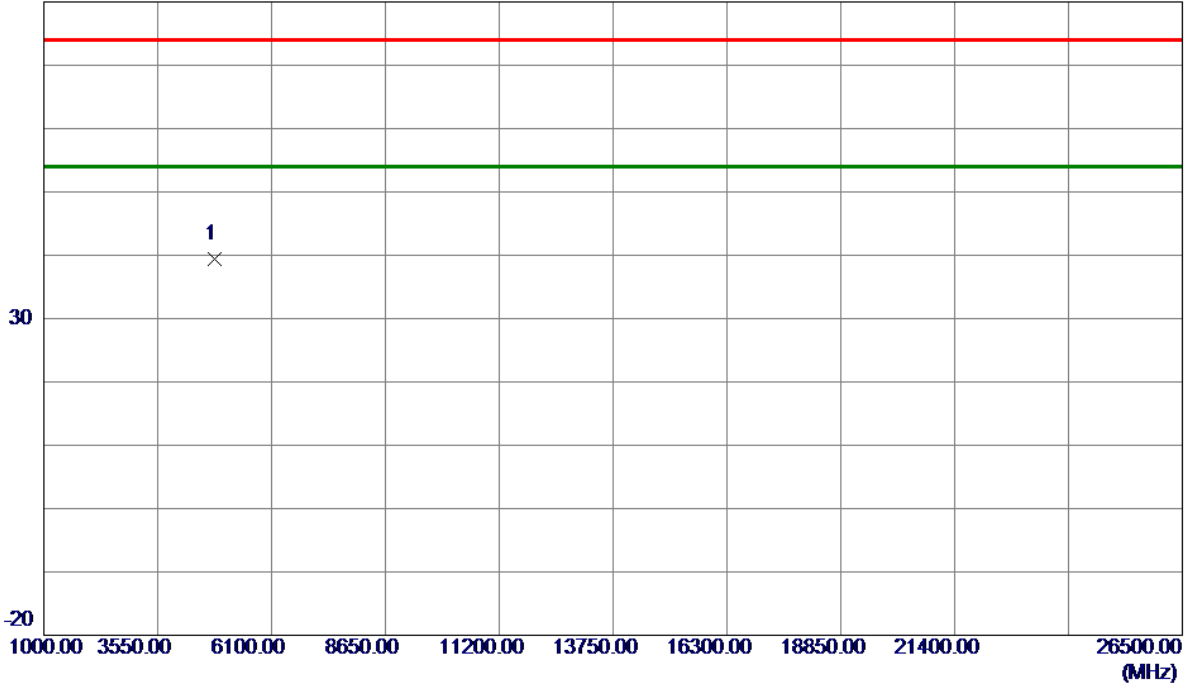
REMARKS:

- (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 *	4824.0000	49.09	-9.69	39.40	74.00	-34.60	Peak	

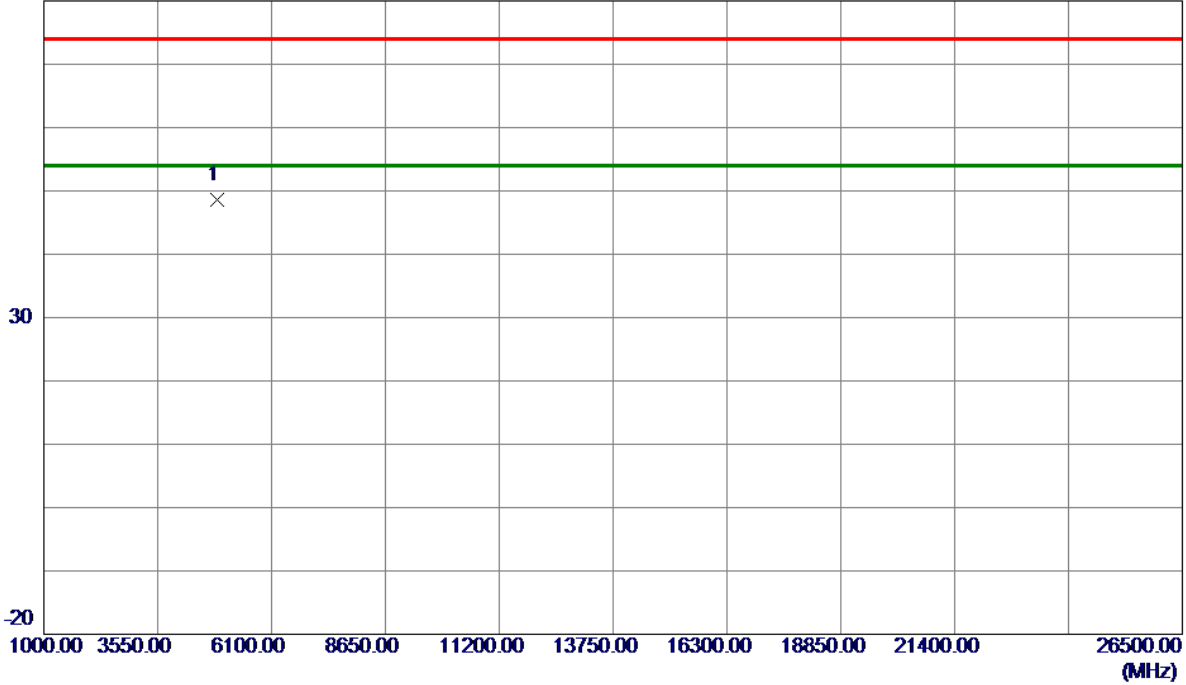
REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Vertical

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	58.05	-9.51	48.54	74.00	-25.46	Peak	

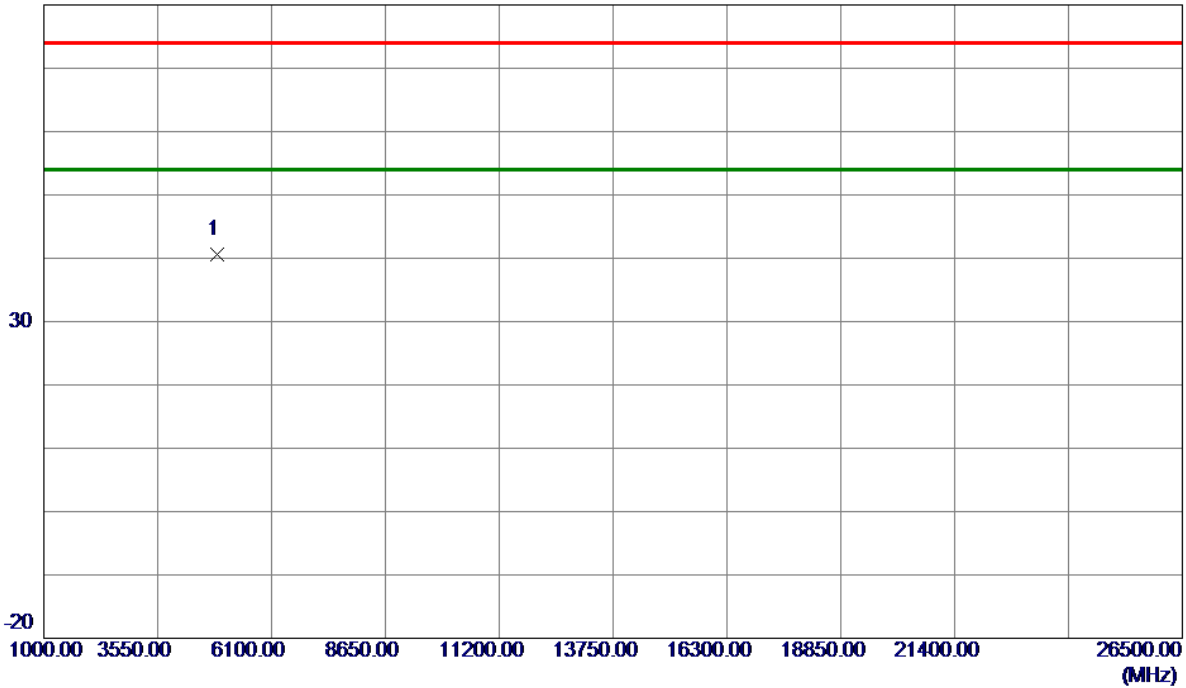
REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Horizontal

80 dBuV/m



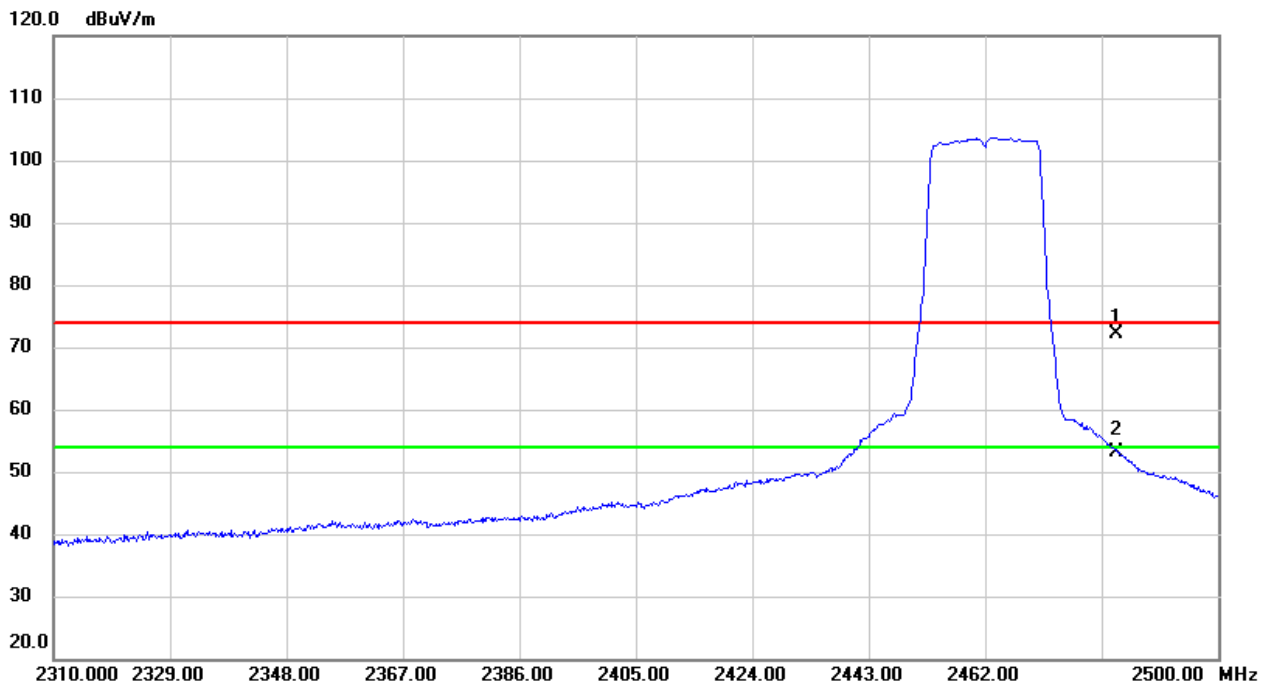
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	50.16	-9.50	40.66	74.00	-33.34	Peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Vertical



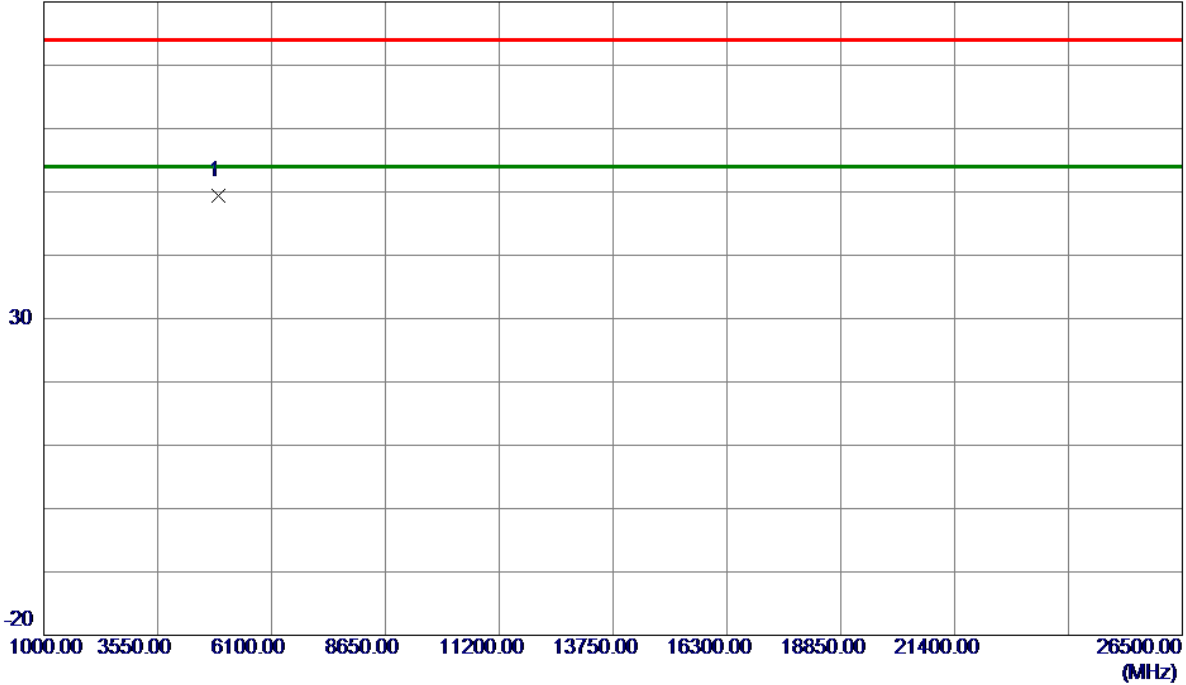
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2483.500	39.36	32.66	72.02	74.00	-1.98	peak	
2	*	2483.500	20.56	32.66	53.22	54.00	-0.78	AVG	

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

Test Mode: TX N-20M Mode 2462 MHz

Vertical

80 dBuV/m



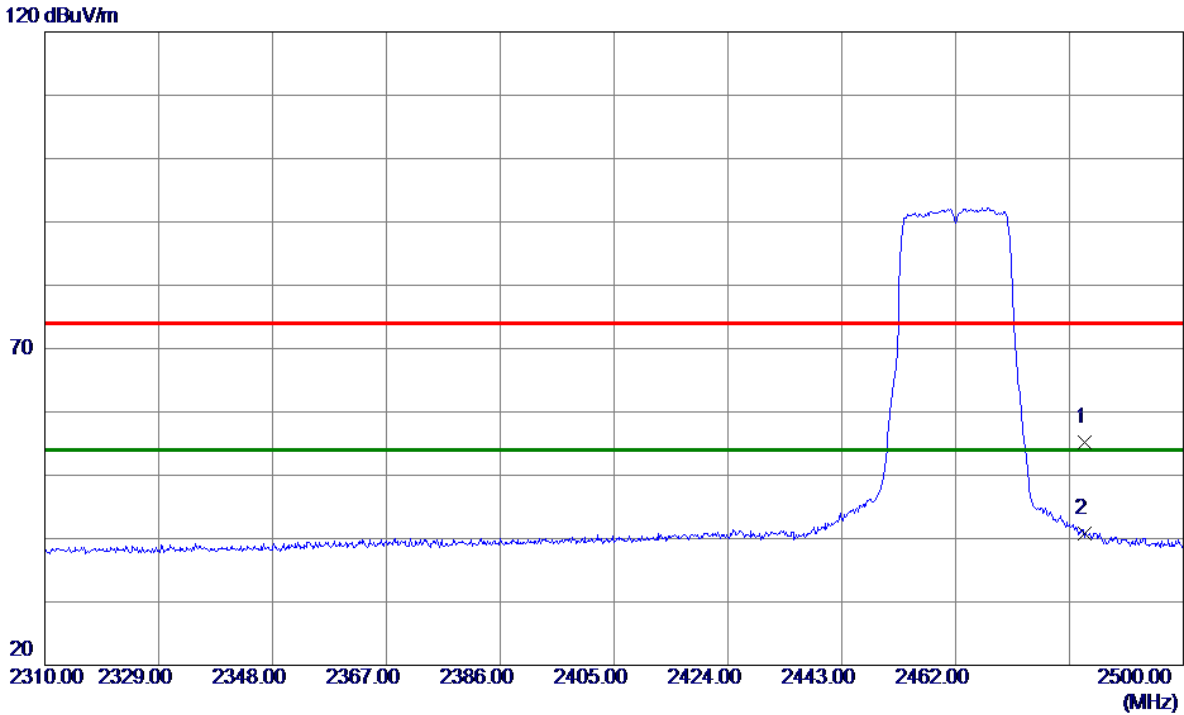
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4916.8000	58.81	-9.34	49.47	74.00	-24.53	Peak	

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	2483.5000	22.47	32.66	55.13	74.00	-18.87	Peak	
2 *	2483.5000	8.11	32.66	40.77	54.00	-13.23	AVG	

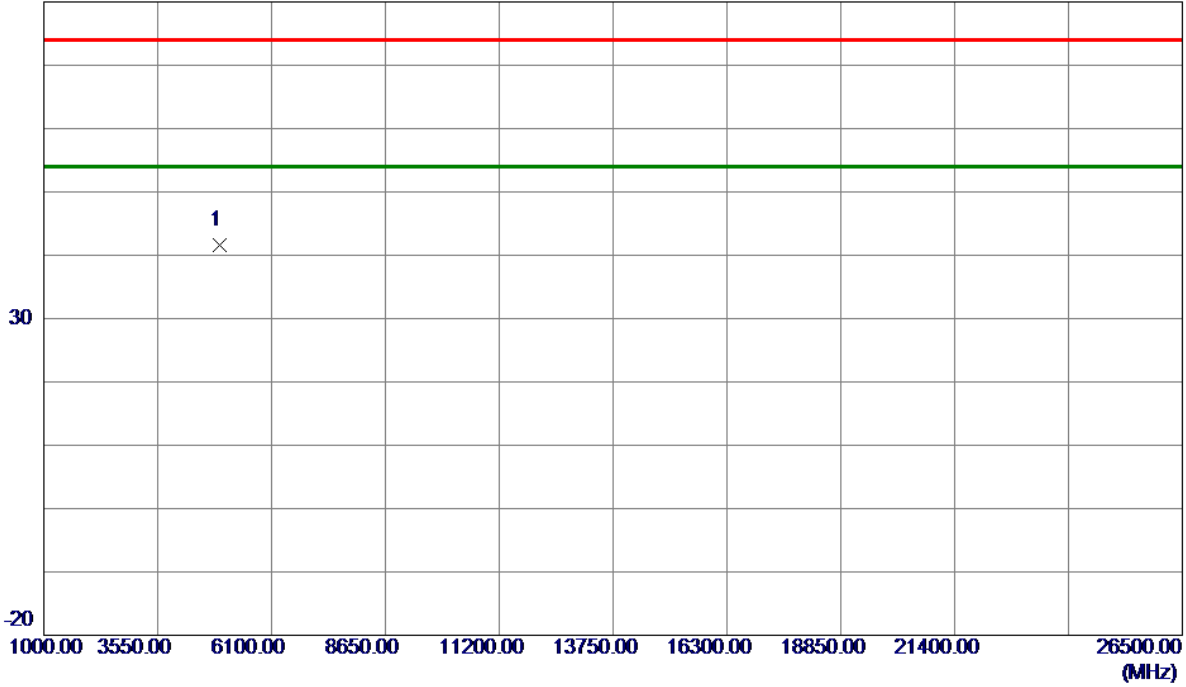
REMARKS:

- (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



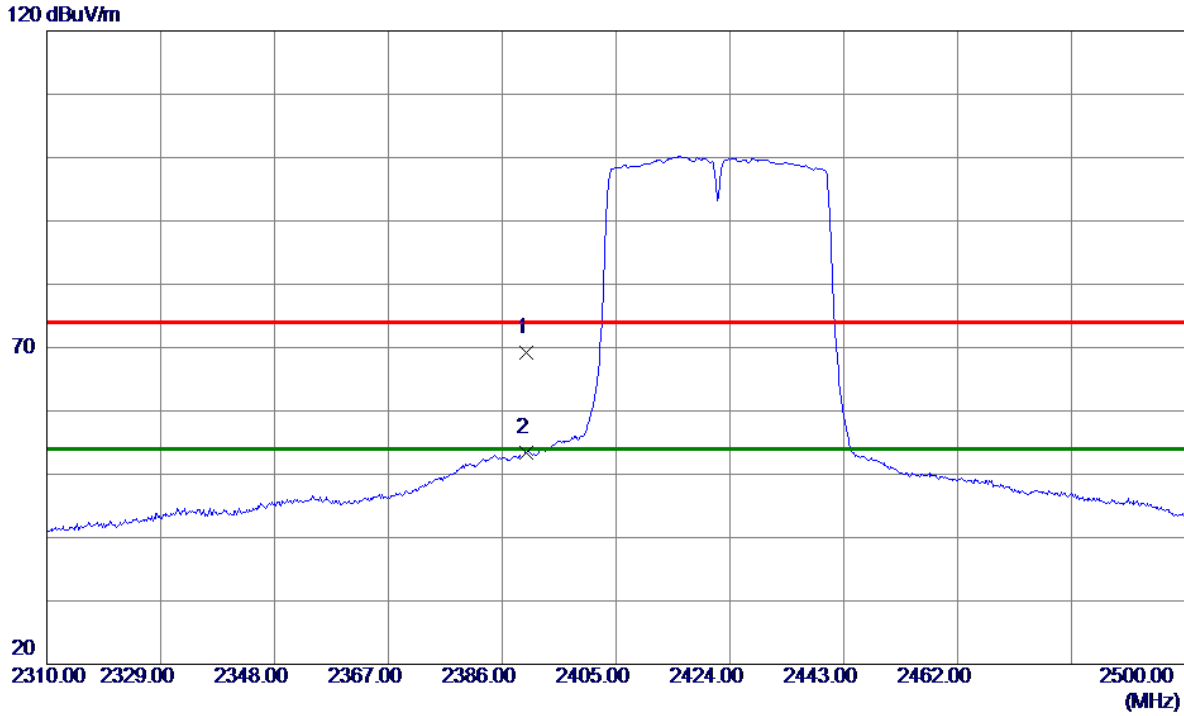
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.4500	50.98	-9.31	41.67	74.00	-32.33	Peak	

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	36.89	32.39	69.28	74.00	-4.72	Peak	
2 *	2390.0000	20.98	32.39	53.37	54.00	-0.63	AVG	

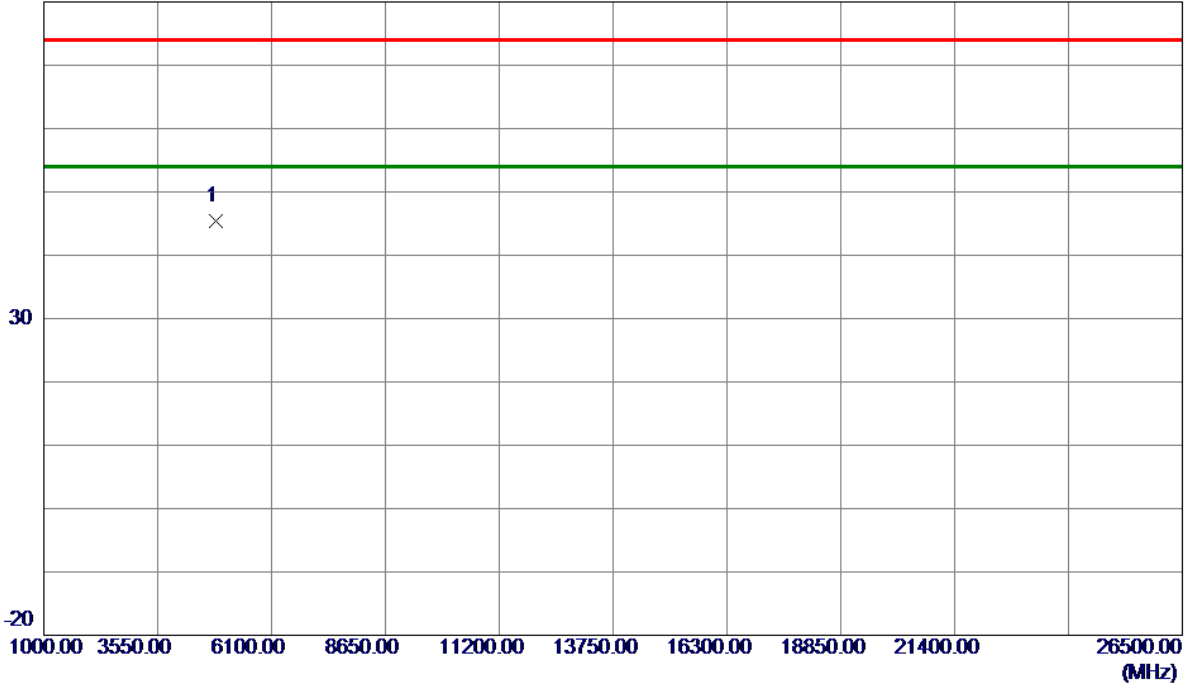
REMARKS:

- (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



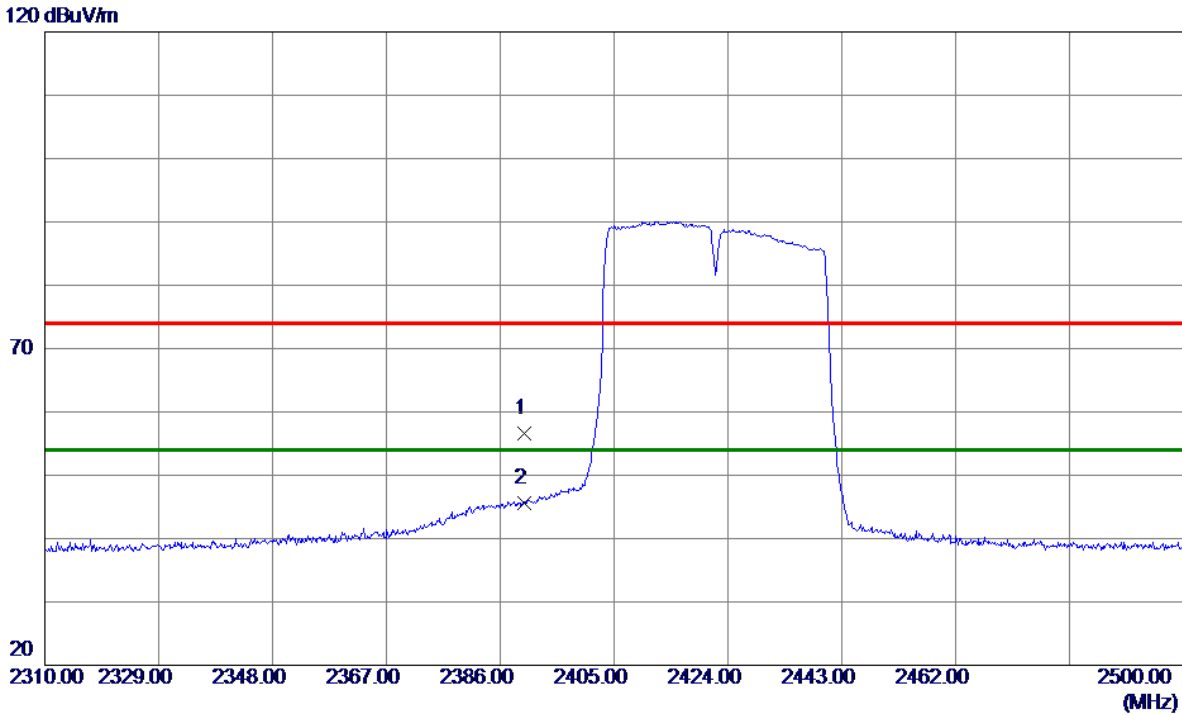
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4845.4000	54.98	-9.61	45.37	74.00	-28.63	Peak	

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	24.21	32.39	56.60	74.00	-17.40	Peak	
2 *	2390.0000	13.17	32.39	45.56	54.00	-8.44	AVG	

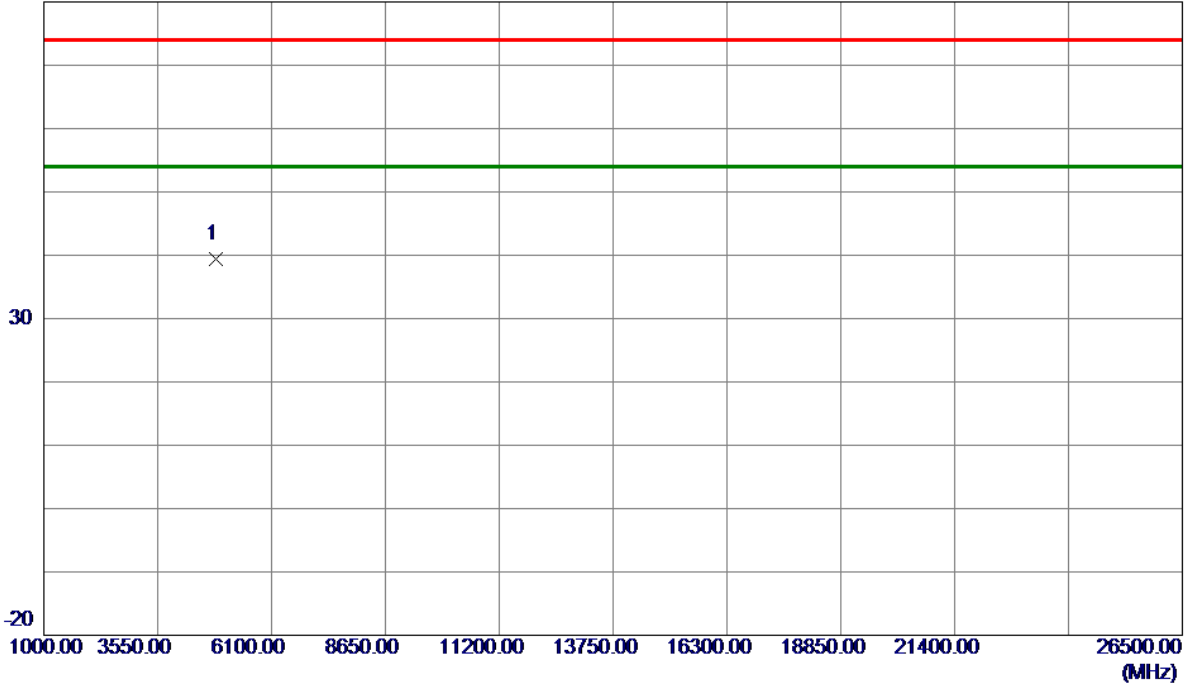
REMARKS:

- (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



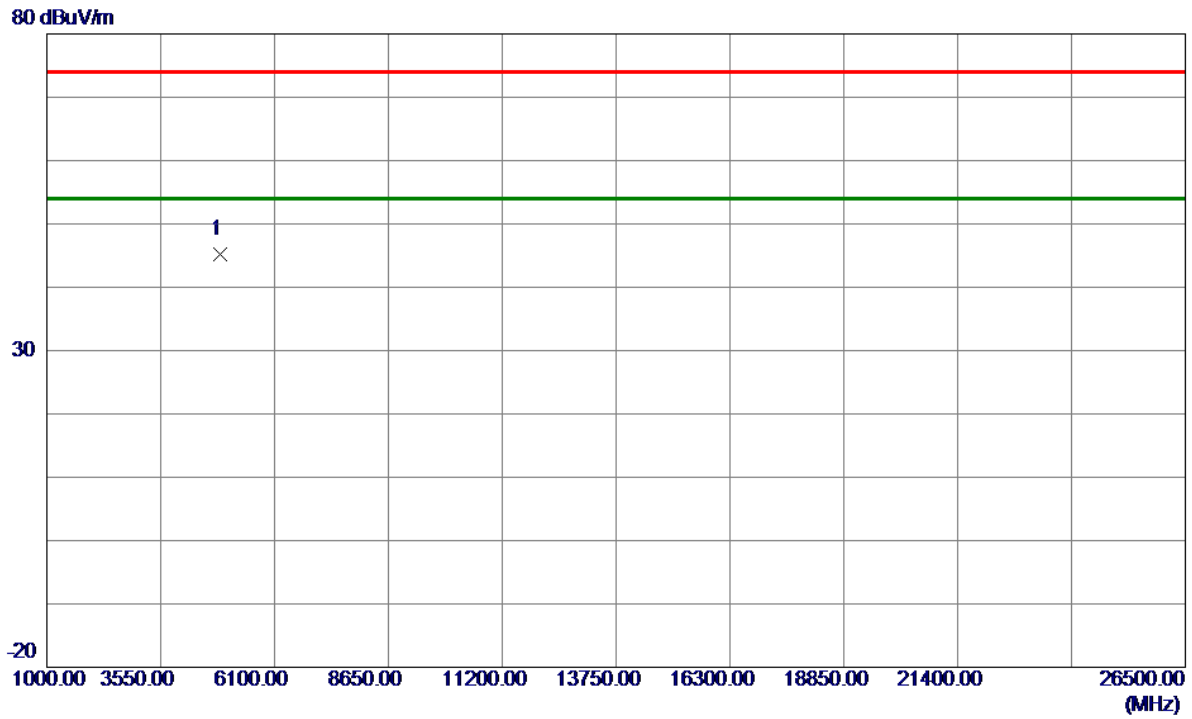
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4844.0000	48.94	-9.61	39.33	74.00	-34.67	Peak	

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	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4870.9000	54.80	-9.51	45.29	74.00	-28.71	Peak	

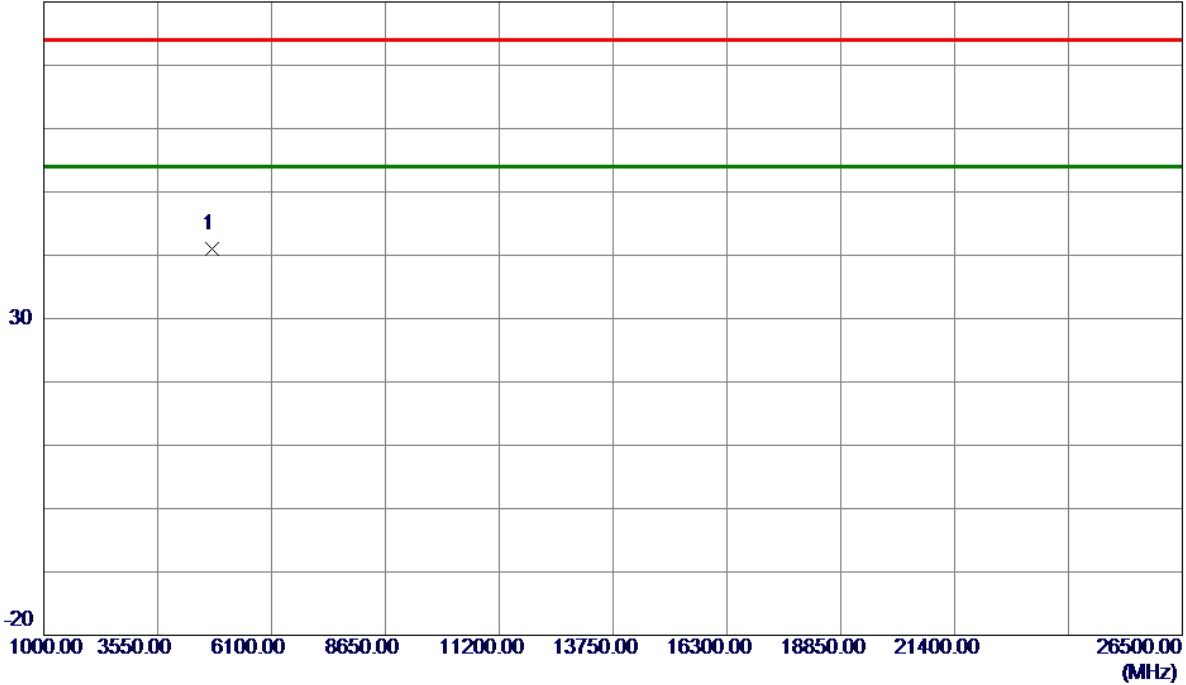
REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Horizontal

80 dBuV/m



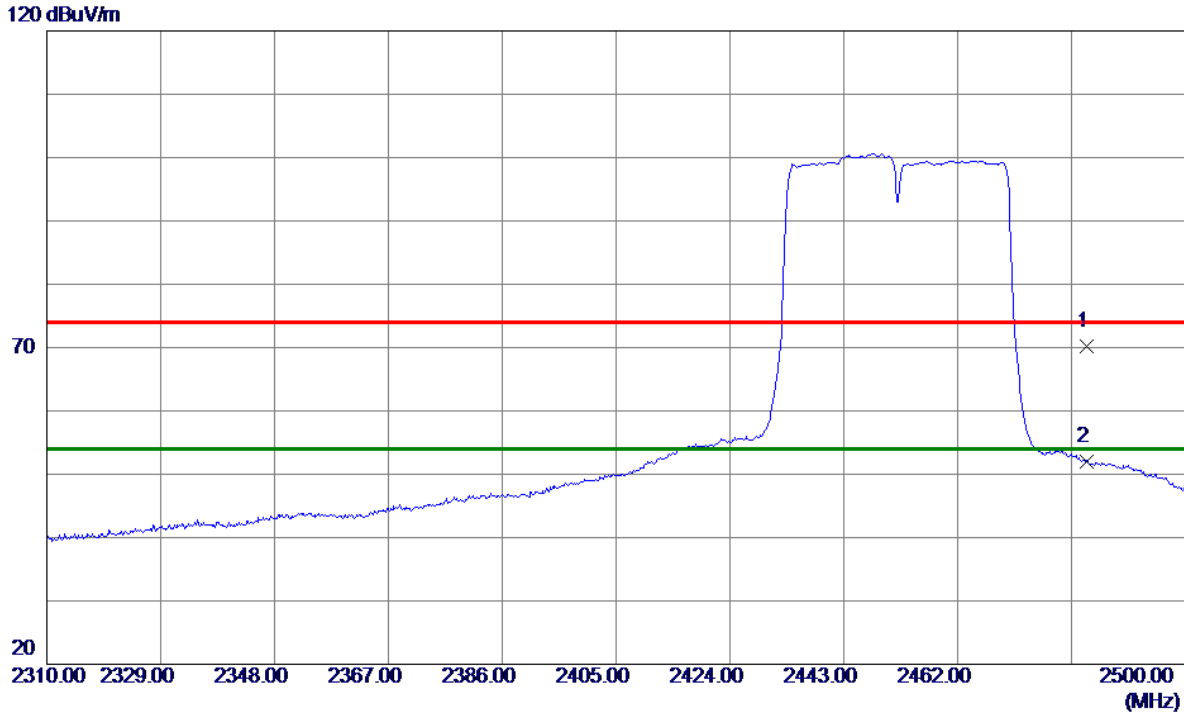
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4781.6500	50.87	-9.85	41.02	74.00	-32.98	Peak	

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	2483.5000	37.56	32.66	70.22	74.00	-3.78	Peak	
2 *	2483.5000	19.42	32.66	52.08	54.00	-1.92	AVG	

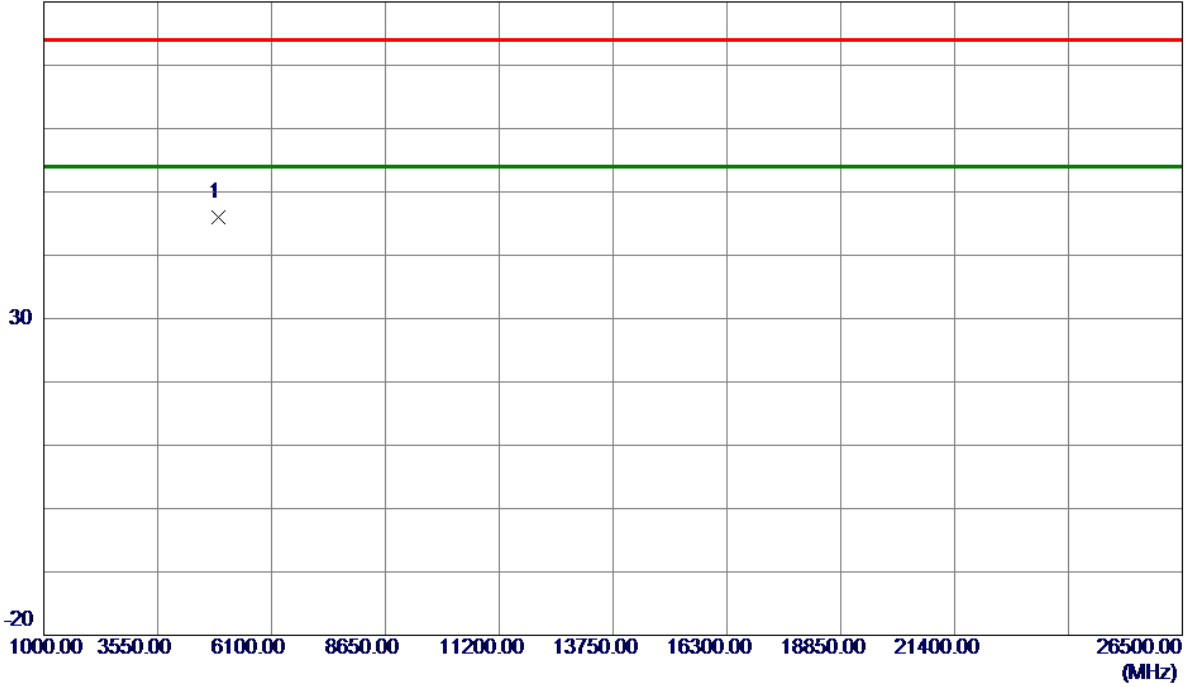
REMARKS:

- (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



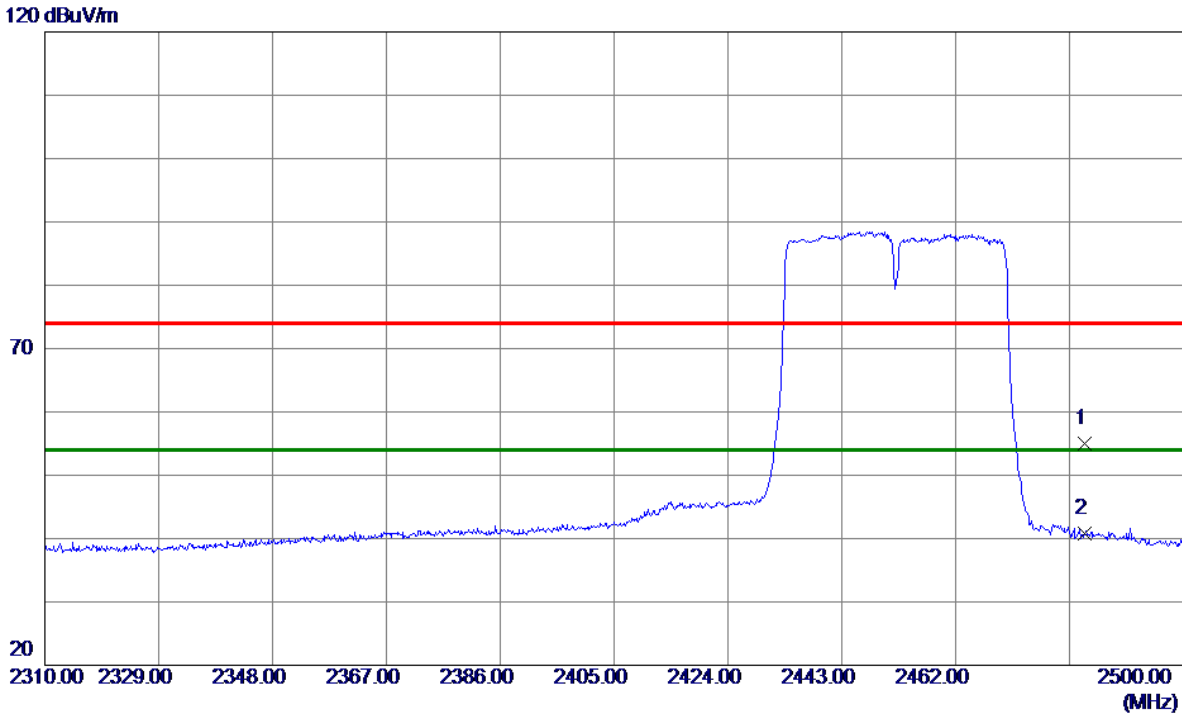
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4901.5000	55.34	-9.39	45.95	74.00	-28.05	Peak	

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	2483.5000	22.28	32.66	54.94	74.00	-19.06	Peak	
2 *	2483.5000	8.10	32.66	40.76	54.00	-13.24	AVG	

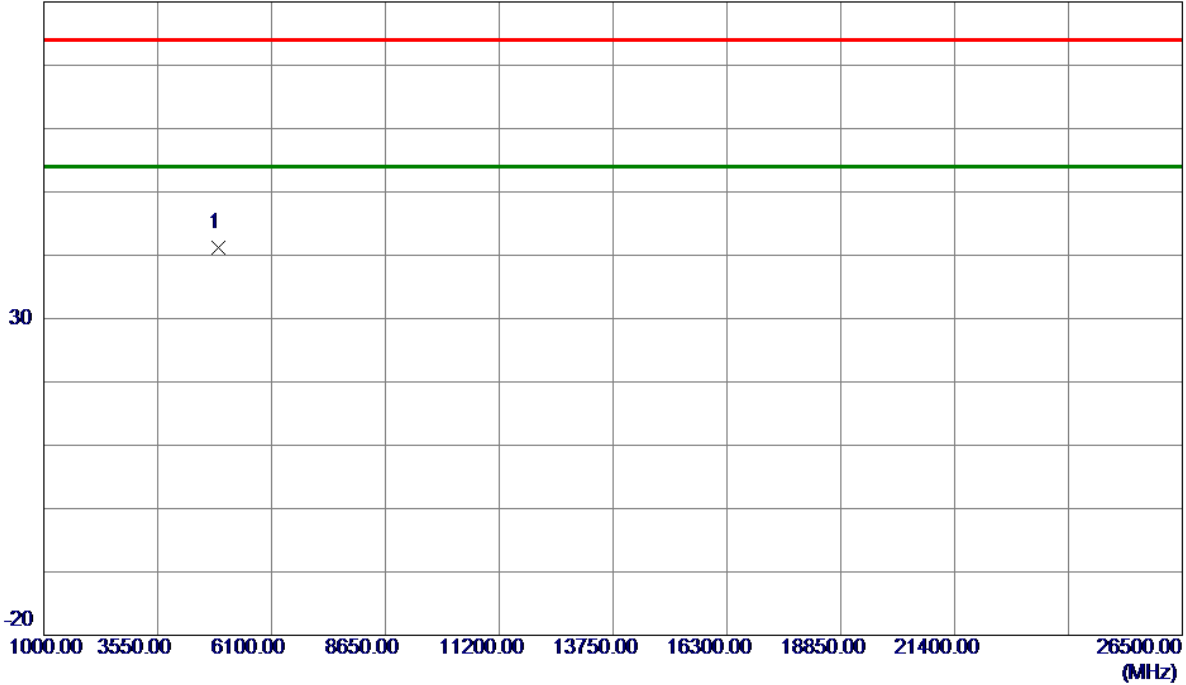
REMARKS:

- (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 *	4904.0500	50.56	-9.38	41.18	74.00	-32.82	Peak	

REMARKS:

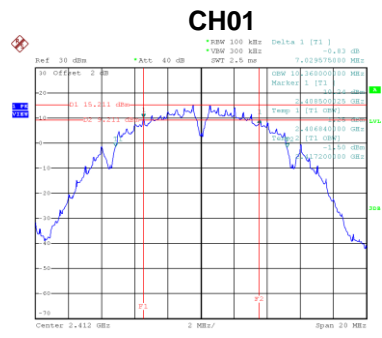
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

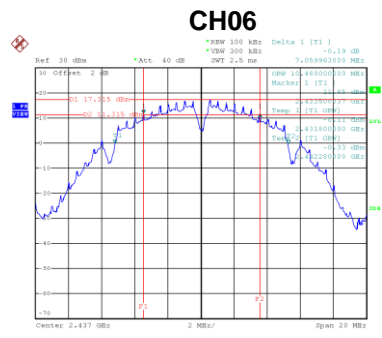
Non-Beamforming

Test Mode	TX B Mode
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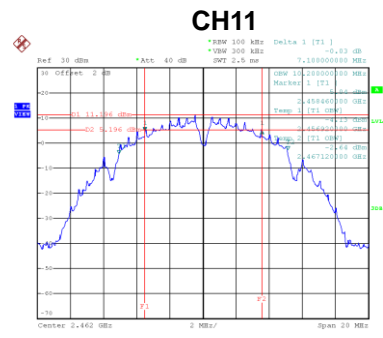
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	7.03	500	Complies
06	2437	7.06	500	Complies
11	2462	7.10	500	Complies



Date: 28_FEB.2020 15:45:02

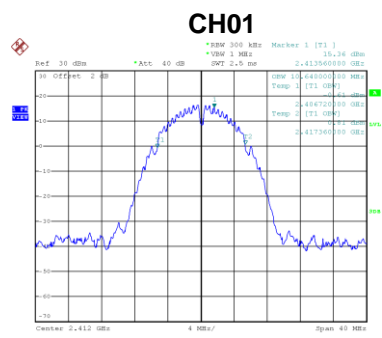


Date: 28_FEB.2020 15:48:26

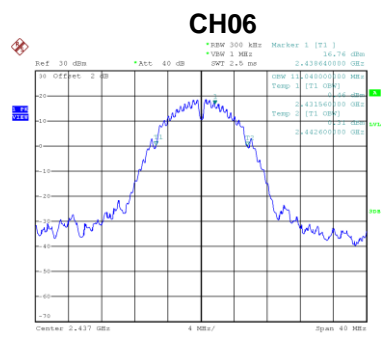


Date: 28_FEB.2020 15:50:13

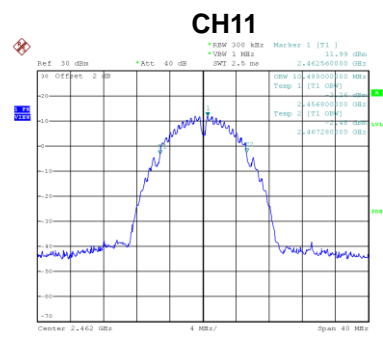
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)
01	2412	10.64
06	2437	11.04
11	2462	10.48



Date: 28_FEB.2020 15:46:21



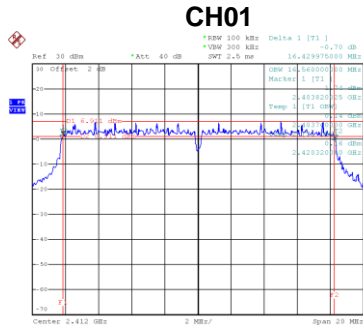
Date: 28_FEB.2020 15:48:32



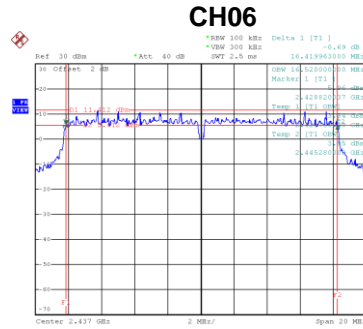
Date: 28_FEB.2020 15:50:20

Test Mode	TX G Mode
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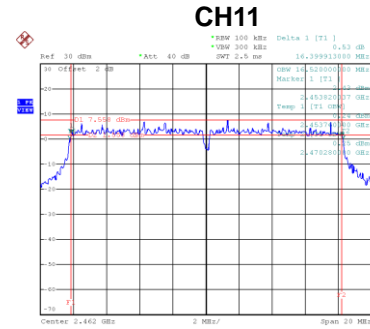
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	16.43	500	Complies
06	2437	16.42	500	Complies
11	2462	16.40	500	Complies



Date: 28.FEB.2020 15:54:11

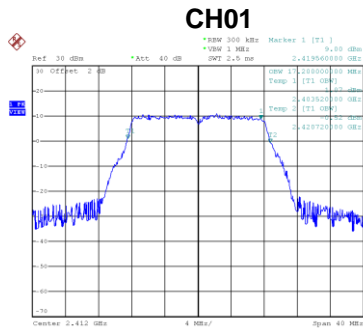


Date: 28.FEB.2020 15:55:48

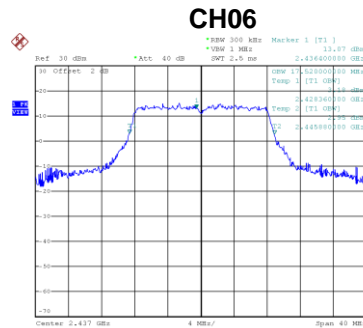


Date: 28.FEB.2020 15:59:59

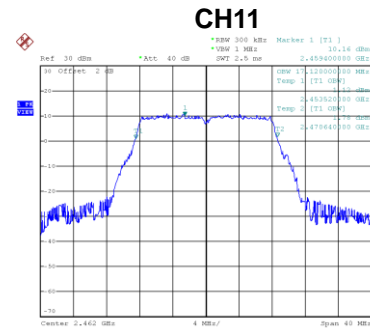
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)
01	2412	17.20
06	2437	17.52
11	2462	17.12



Date: 28.FEB.2020 15:54:18



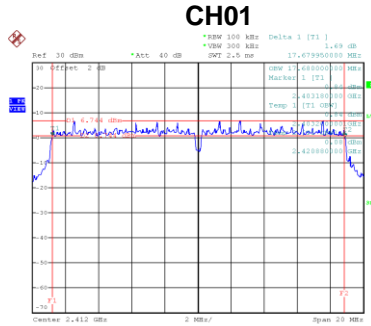
Date: 28.FEB.2020 15:55:54



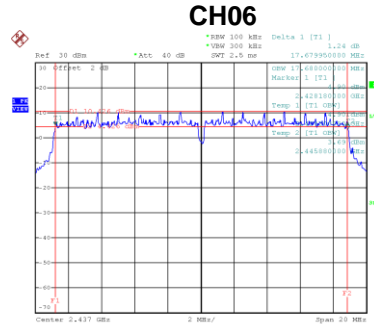
Date: 28.FEB.2020 16:00:06

Test Mode	TX N-20M Mode
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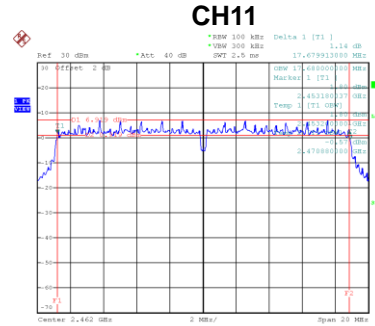
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	17.68	500	Complies
06	2437	17.68	500	Complies
11	2462	17.68	500	Complies



Date: 28.FEB.2020 17:06:134

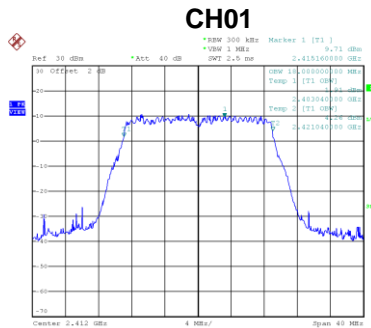


Date: 28.FEB.2020 17:07:153

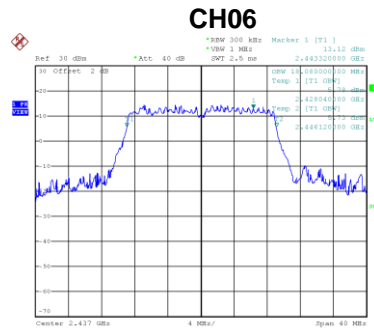


Date: 28.FEB.2020 17:10:134

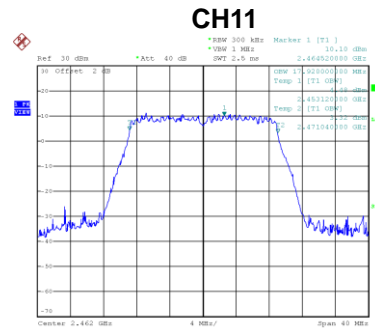
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)
01	2412	18.00
06	2437	18.08
11	2462	17.92



Date: 28.FEB.2020 17:06:140



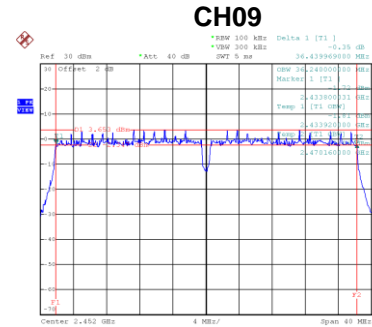
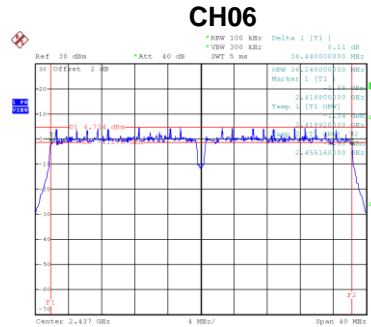
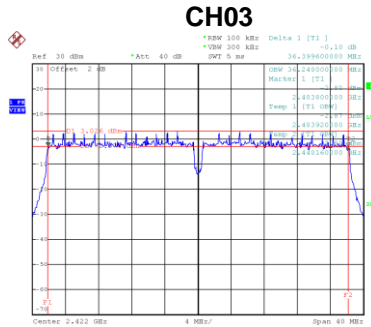
Date: 28.FEB.2020 17:08:101



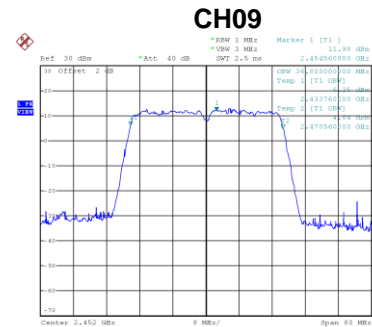
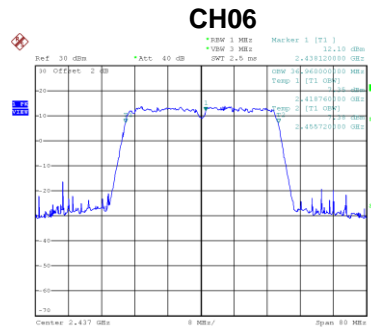
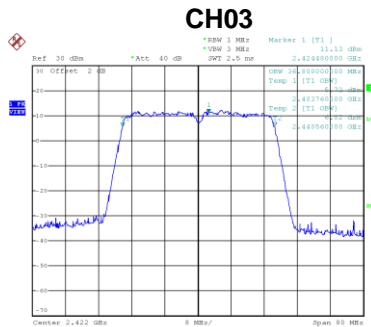
Date: 28.FEB.2020 17:10:141

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	36.40	500	Complies
06	2437	36.44	500	Complies
09	2452	36.44	500	Complies



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



APPENDIX F - MAXIMUM OUTPUT POWER

For 1T1R

Non-Beamforming

Test Mode	TX B Mode
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Channel	Frequency (MHz)	Avg Output Power (dBm)	Duty Factor	Avg Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	22.39	0.24	22.63	30.00	1.0000	Complies
06	2437	23.07	0.24	23.31	30.00	1.0000	Complies
11	2462	22.36	0.24	22.60	30.00	1.0000	Complies

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

Channel	Frequency (MHz)	Avg Output Power (dBm)	Duty Factor	Avg Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	18.24	0.20	18.44	30.00	1.0000	Complies
06	2437	21.26	0.20	21.46	30.00	1.0000	Complies
11	2462	18.23	0.20	18.43	30.00	1.0000	Complies

For 2T2R
Non-Beamforming

Test Mode	TX N-20M Mode_Ant. 1
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Channel	Frequency (MHz)	Avg Output Power (dBm)	Duty Factor	Avg Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	17.44	0.42	17.86	29.99	0.9977	Complies
06	2437	20.18	0.42	20.60	29.99	0.9977	Complies
11	2462	17.58	0.42	18.00	29.99	0.9977	Complies

Test Mode	TX N-20M Mode_Ant. 2
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Channel	Frequency (MHz)	Avg Output Power (dBm)	Duty Factor	Avg Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	17.93	0.42	18.35	29.99	0.9977	Complies
06	2437	20.35	0.42	20.77	29.99	0.9977	Complies
11	2462	17.81	0.42	18.23	29.99	0.9977	Complies

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

Channel	Frequency (MHz)	Avg Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	21.12	29.99	0.9977	Complies
06	2437	23.69	29.99	0.9977	Complies
11	2462	21.12	29.99	0.9977	Complies

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

Channel	Frequency (MHz)	Avg Output Power (dBm)	Duty Factor	Avg Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	15.49	0.79	16.28	29.99	0.9977	Complies
06	2437	17.83	0.79	18.62	29.99	0.9977	Complies
09	2452	16.67	0.79	17.46	29.99	0.9977	Complies

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

Channel	Frequency (MHz)	Avg Output Power (dBm)	Duty Factor	Avg Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	15.89	0.79	16.68	29.99	0.9977	Complies
06	2437	18.02	0.79	18.81	29.99	0.9977	Complies
09	2452	16.83	0.79	17.62	29.99	0.9977	Complies

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

Channel	Frequency (MHz)	Avg Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.50	29.99	0.9977	Complies
06	2437	21.73	29.99	0.9977	Complies
09	2452	20.55	29.99	0.9977	Complies

For 2T2R
Beamforming

Test Mode	TX N-20M Mode_Ant. 1
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Channel	Frequency (MHz)	Avg Output Power (dBm)	Duty Factor	Avg Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	17.32	0.42	17.74	29.99	0.9977	Complies
06	2437	20.11	0.42	20.53	29.99	0.9977	Complies
11	2462	17.51	0.42	17.93	29.99	0.9977	Complies

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

Channel	Frequency (MHz)	Avg Output Power (dBm)	Duty Factor	Avg Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	17.71	0.42	18.13	29.99	0.9977	Complies
06	2437	20.27	0.42	20.69	29.99	0.9977	Complies
11	2462	17.67	0.42	18.09	29.99	0.9977	Complies

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

Channel	Frequency (MHz)	Avg Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.95	29.99	0.9977	Complies
06	2437	23.62	29.99	0.9977	Complies
11	2462	21.02	29.99	0.9977	Complies

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

Channel	Frequency (MHz)	Avg Output Power (dBm)	Duty Factor	Avg Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	15.41	0.79	16.20	29.99	0.9977	Complies
06	2437	17.75	0.79	18.54	29.99	0.9977	Complies
09	2452	16.59	0.79	17.38	29.99	0.9977	Complies

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

Channel	Frequency (MHz)	Avg Output Power (dBm)	Duty Factor	Avg Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	15.77	0.79	16.56	29.99	0.9977	Complies
06	2437	17.88	0.79	18.67	29.99	0.9977	Complies
09	2452	16.72	0.79	17.51	29.99	0.9977	Complies

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

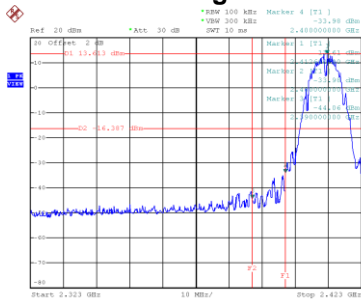
Channel	Frequency (MHz)	Avg Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.40	29.99	0.9977	Complies
06	2437	21.62	29.99	0.9977	Complies
09	2452	20.46	29.99	0.9977	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

For 1T1R Non-Beamforming

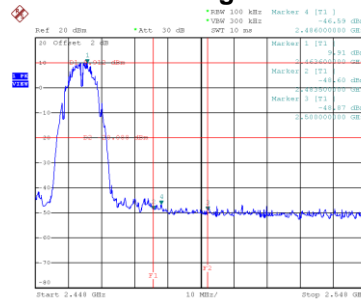
Test Mode TX B Mode

Bandedge-CH01



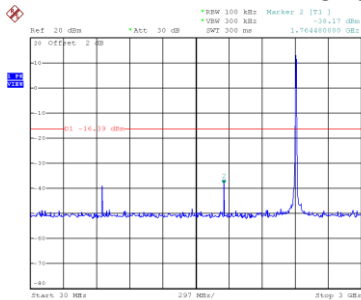
Date: 18_MAR_2020 20152140

Bandedge-CH11

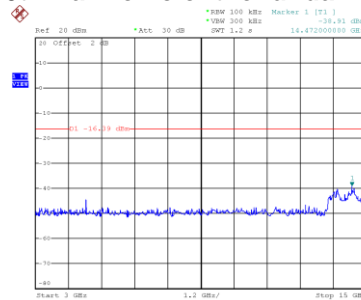


Date: 18_MAR_2020 20154154

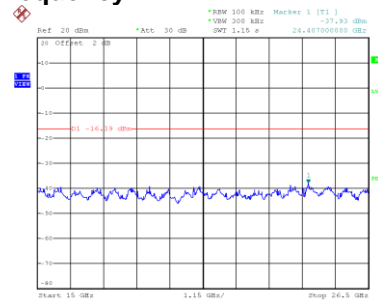
CH01 – 10th Harmonic of the fundamental frequency



Date: 18_MAR_2020 20152153

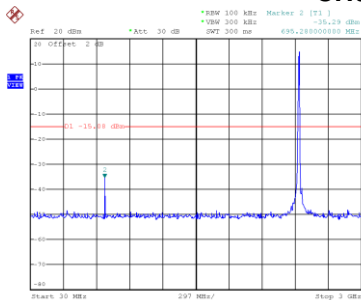


Date: 18_MAR_2020 20153100

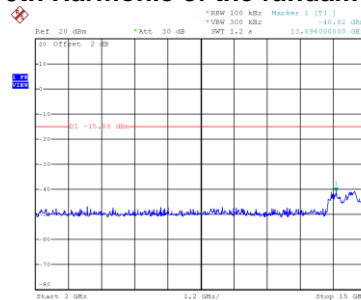


Date: 18_MAR_2020 20153107

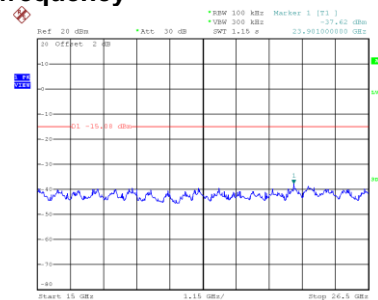
CH06 – 10th Harmonic of the fundamental frequency



Date: 18_MAR_2020 20153156

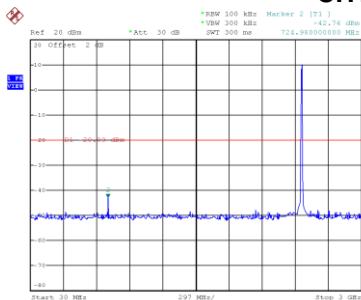


Date: 18_MAR_2020 20154103

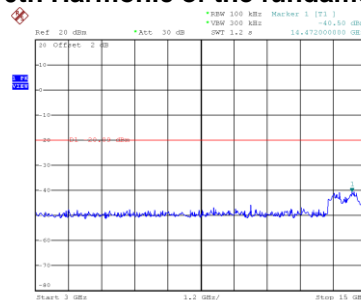


Date: 18_MAR_2020 20154110

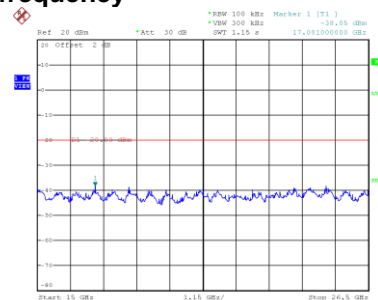
CH11 – 10th Harmonic of the fundamental frequency



Date: 18_MAR_2020 20155107



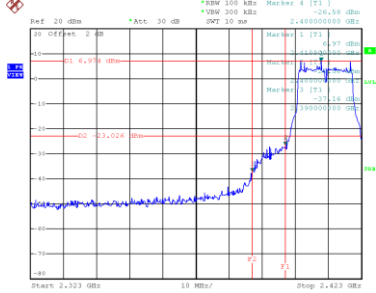
Date: 18_MAR_2020 20155114



Date: 18_MAR_2020 20155121

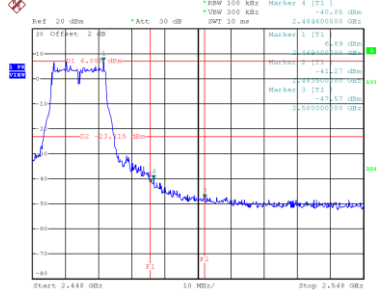
Test Mode TX G Mode

Bandedge-CH01



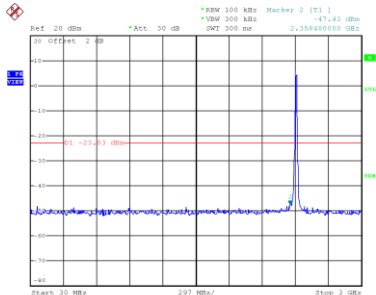
Date: 18_MAR_2020 20:34:42

Bandedge-CH11

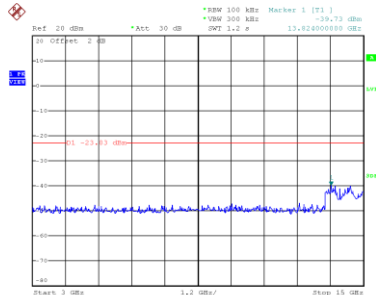


Date: 18_MAR_2020 21:02:13

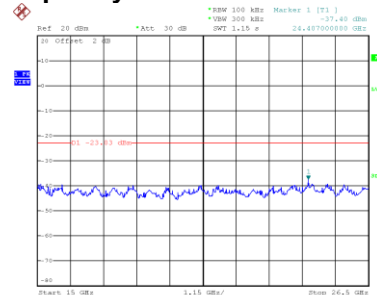
CH01 – 10th Harmonic of the fundamental frequency



Date: 18_MAR_2020 20:34:55

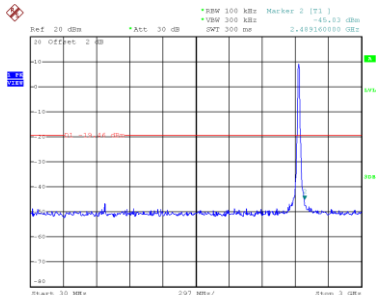


Date: 18_MAR_2020 20:35:02

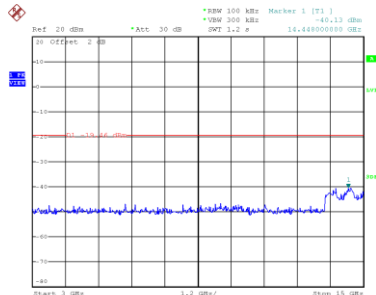


Date: 18_MAR_2020 20:35:09

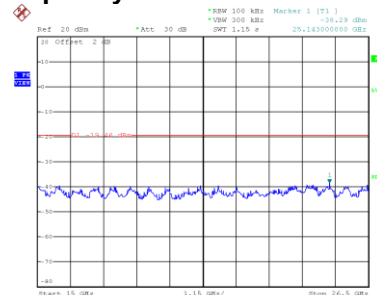
CH06 – 10th Harmonic of the fundamental frequency



Date: 18_MAR_2020 21:03:31

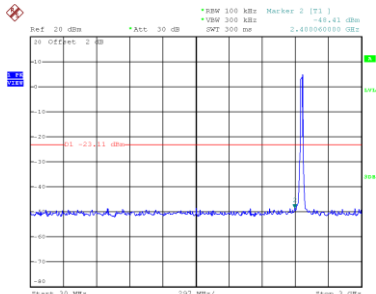


Date: 18_MAR_2020 21:03:38

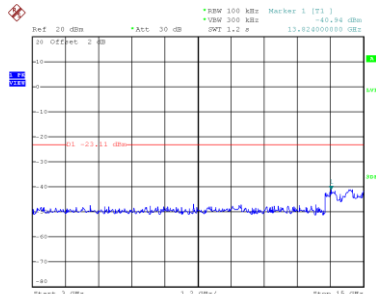


Date: 18_MAR_2020 21:03:45

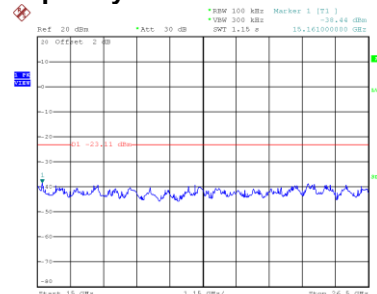
CH11 – 10th Harmonic of the fundamental frequency



Date: 18_MAR_2020 21:02:26



Date: 18_MAR_2020 21:02:33

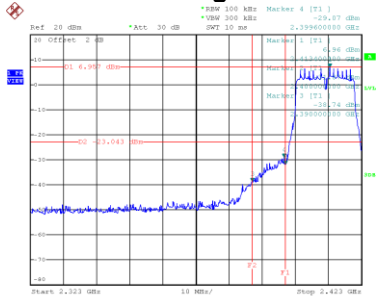


Date: 18_MAR_2020 21:02:40

For 2T2R Non-Beamforming

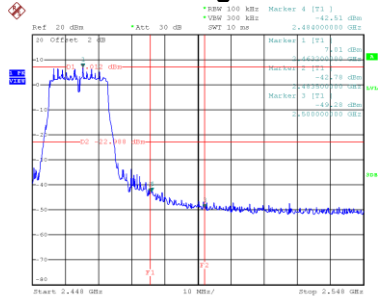
Test Mode TX N-20M Mode_Ant. 1

Bandedge-CH01



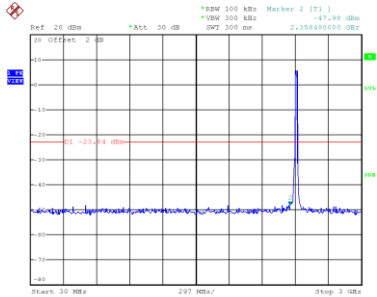
Date: 18_MAR_2020 20136150

Bandedge-CH11

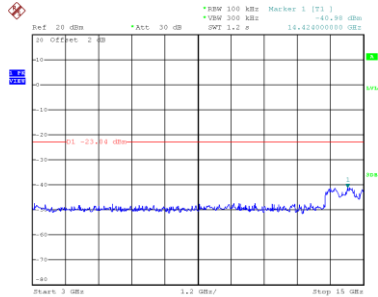


Date: 18_MAR_2020 21107100

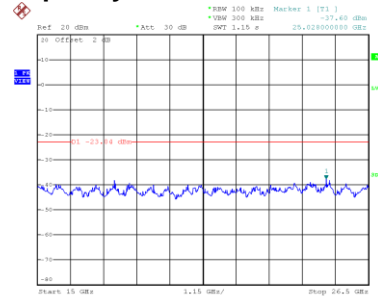
CH01 – 10th Harmonic of the fundamental frequency



Date: 18_MAR_2020 20137103

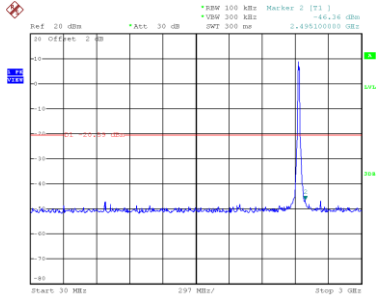


Date: 18_MAR_2020 20137110

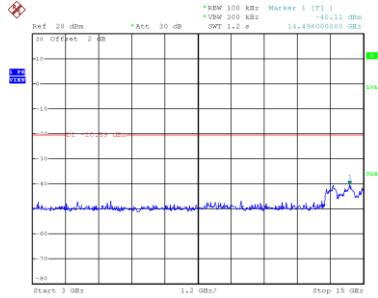


Date: 18_MAR_2020 20137117

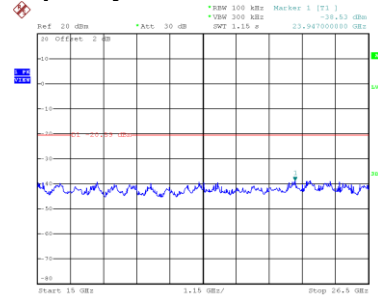
CH06 – 10th Harmonic of the fundamental frequency



Date: 18_MAR_2020 20144147

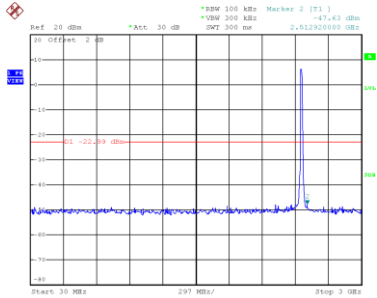


Date: 18_MAR_2020 20144154

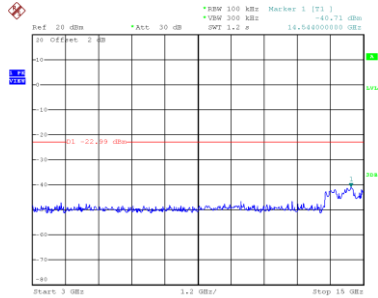


Date: 18_MAR_2020 201445101

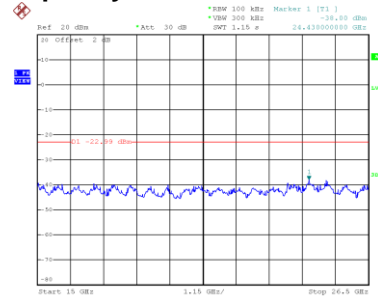
CH11 – 10th Harmonic of the fundamental frequency



Date: 18_MAR_2020 21107113



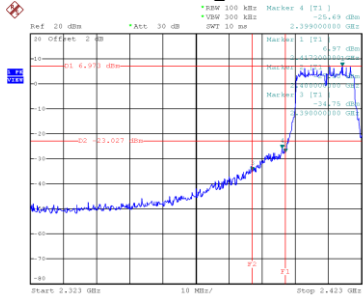
Date: 18_MAR_2020 21107120



Date: 18_MAR_2020 21107127

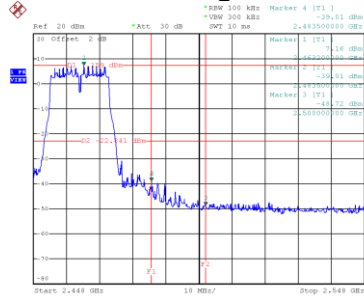
Test Mode TX N-20M Mode_Ant. 2

Bandedge-CH01



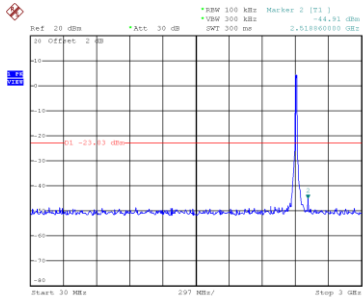
Date: 18_MAR_2020 20:37:53

Bandedge-CH11

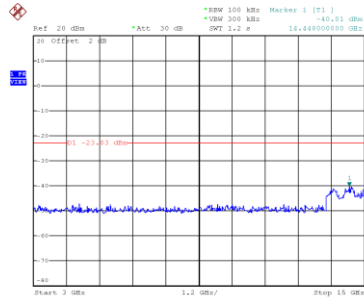


Date: 18_MAR_2020 20:42:11

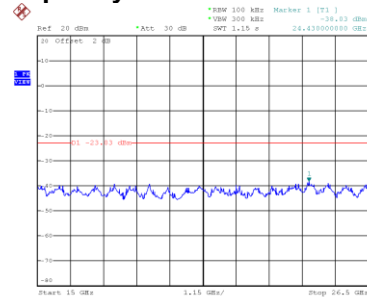
CH01 – 10th Harmonic of the fundamental frequency



Date: 18_MAR_2020 20:38:06

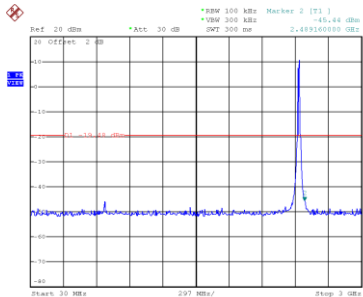


Date: 18_MAR_2020 20:38:13

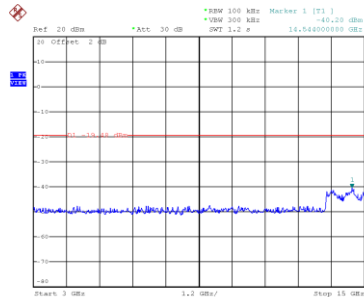


Date: 18_MAR_2020 20:38:20

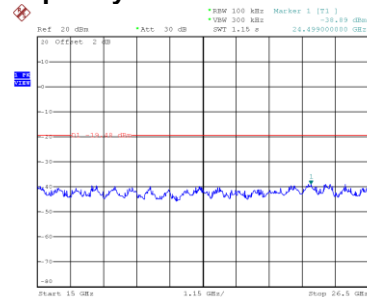
CH06 – 10th Harmonic of the fundamental frequency



Date: 18_MAR_2020 20:41:02

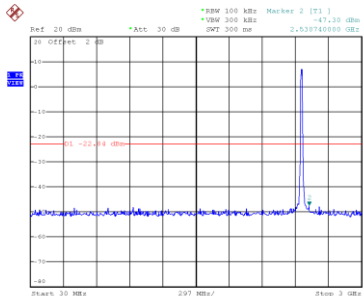


Date: 18_MAR_2020 20:41:09

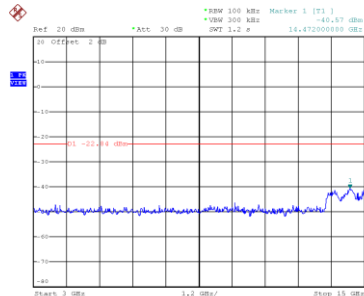


Date: 18_MAR_2020 20:41:16

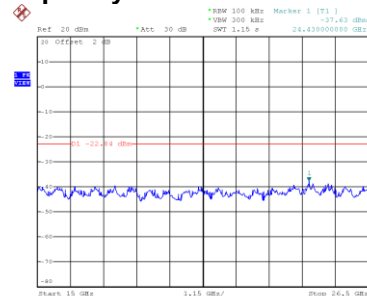
CH11 – 10th Harmonic of the fundamental frequency



Date: 18_MAR_2020 20:42:124



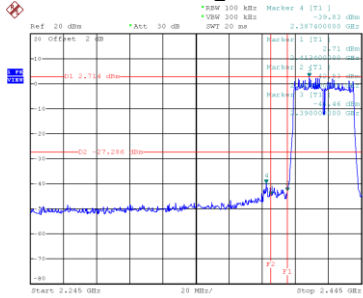
Date: 18_MAR_2020 20:42:131



Date: 18_MAR_2020 20:42:138

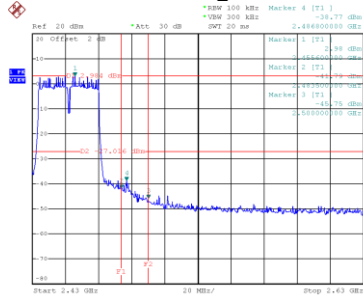
Test Mode TX N-40M Mode_Ant. 1

Bandedge-CH03



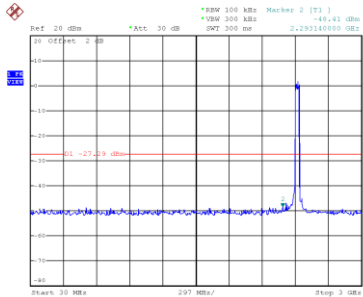
Date: 18_MAR,2020 20:45:14Z

Bandedge-CH09

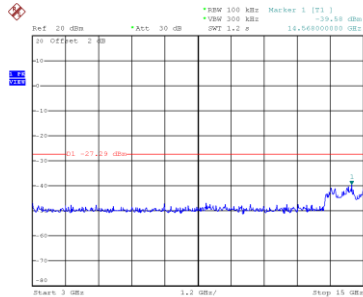


Date: 18_MAR,2020 20:48:00

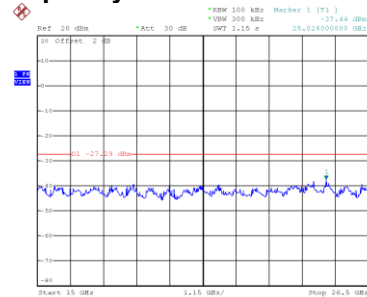
CH03 – 10th Harmonic of the fundamental frequency



Date: 18_MAR,2020 20:45:55

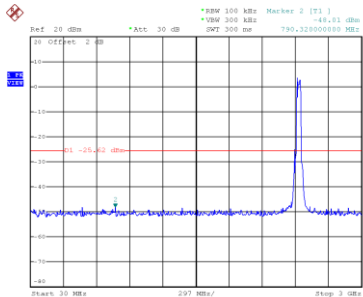


Date: 18_MAR,2020 20:46:02

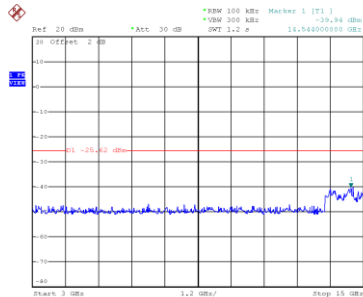


Date: 18_MAR,2020 20:46:09

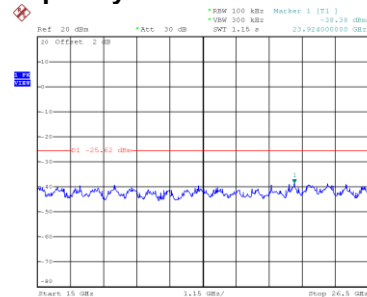
CH06 – 10th Harmonic of the fundamental frequency



Date: 18_MAR,2020 20:47:13

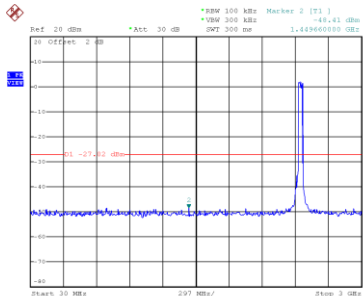


Date: 18_MAR,2020 20:47:20

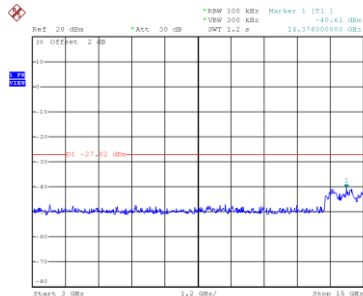


Date: 18_MAR,2020 20:47:27

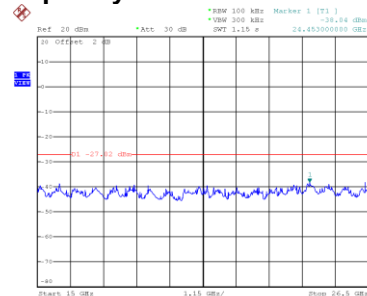
CH09 – 10th Harmonic of the fundamental frequency



Date: 18_MAR,2020 20:48:13



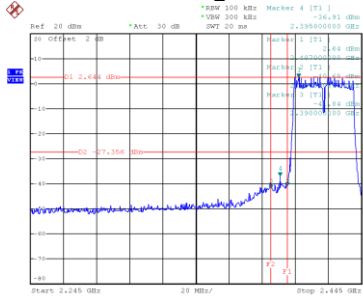
Date: 18_MAR,2020 20:48:20



Date: 18_MAR,2020 20:48:27

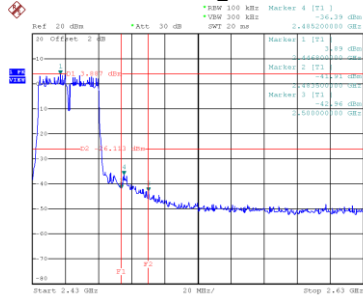
Test Mode TX N-40M Mode_Ant. 2

Bandedge-CH03



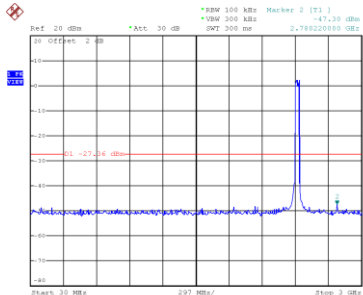
Date: 18_MAR_2020 20:51:15

Bandedge-CH09

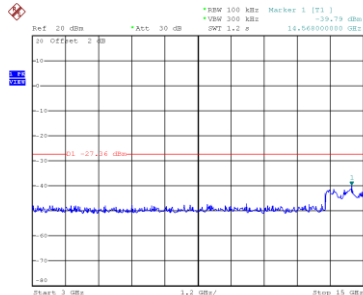


Date: 18_MAR_2020 20:48:56

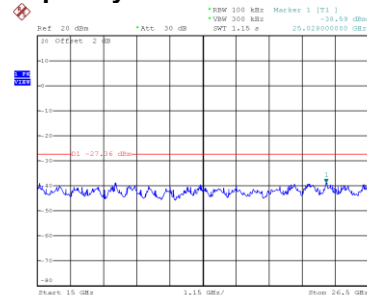
CH03 – 10th Harmonic of the fundamental frequency



Date: 18_MAR_2020 20:51:28

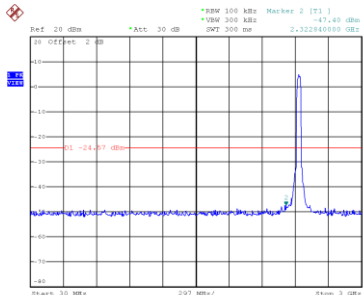


Date: 18_MAR_2020 20:51:35

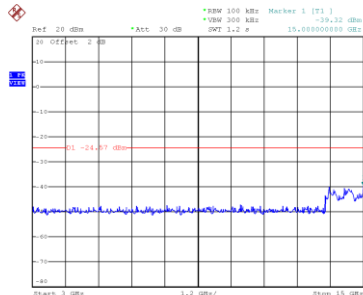


Date: 18_MAR_2020 20:51:42

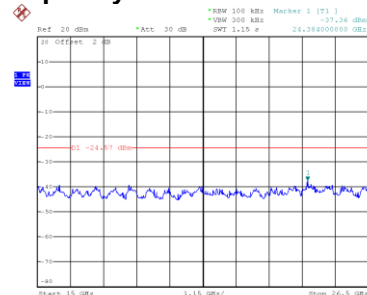
CH06 – 10th Harmonic of the fundamental frequency



Date: 18_MAR_2020 20:50:12

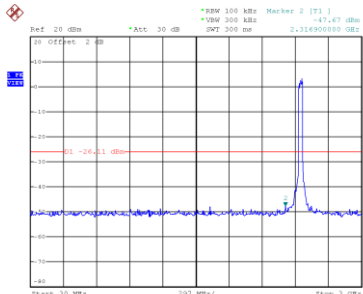


Date: 18_MAR_2020 20:50:19

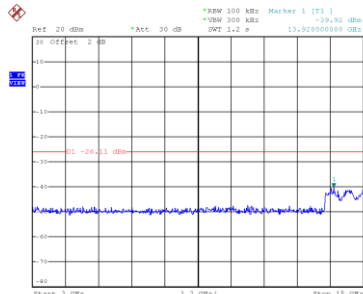


Date: 18_MAR_2020 20:50:26

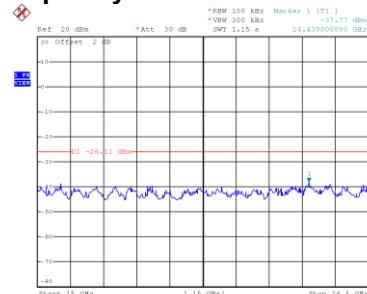
CH09 – 10th Harmonic of the fundamental frequency



Date: 18_MAR_2020 20:49:09



Date: 18_MAR_2020 20:49:16



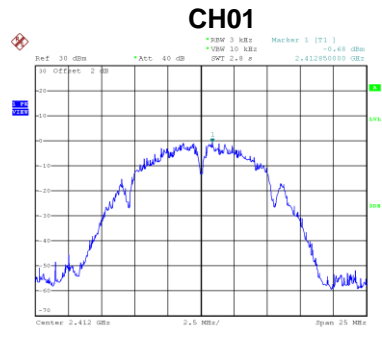
Date: 18_MAR_2020 20:49:23

APPENDIX H - POWER SPECTRAL DENSITY

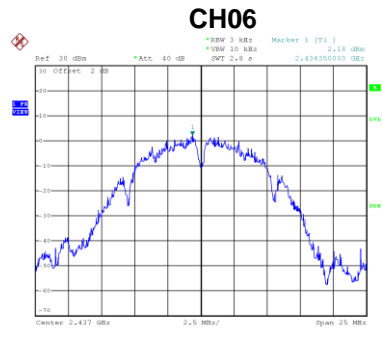
For 1T1R Non-Beamforming

Test Mode	TX B Mode
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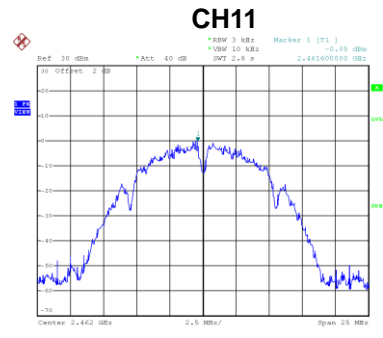
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-0.68	8	Complies
06	2437	2.18	8	Complies
11	2462	-0.05	8	Complies



Date: 28.FEB.2020 16:10:06



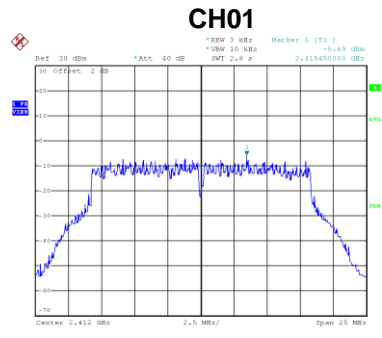
Date: 28.FEB.2020 16:10:51



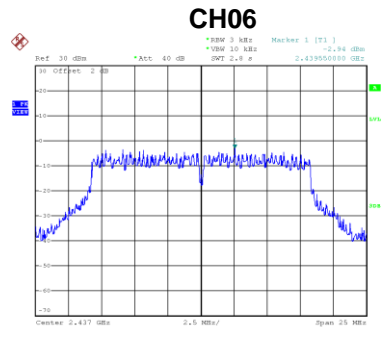
Date: 28.FEB.2020 16:11:25

Test Mode	TX G Mode
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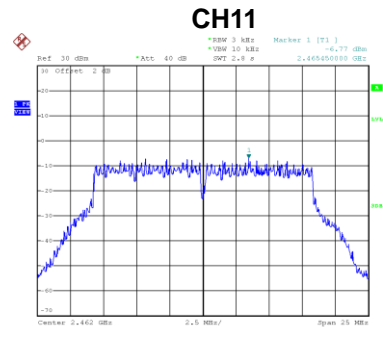
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-5.69	8	Complies
06	2437	-2.94	8	Complies
11	2462	-6.77	8	Complies



Date: 16.MAR.2020 21:17:40



Date: 28.FEB.2020 16:51:34

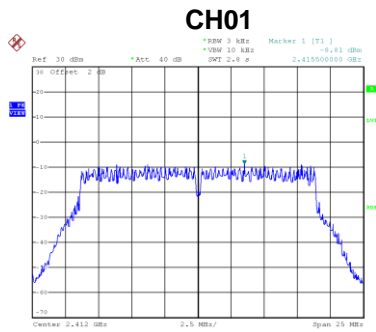


Date: 28.FEB.2020 16:53:01

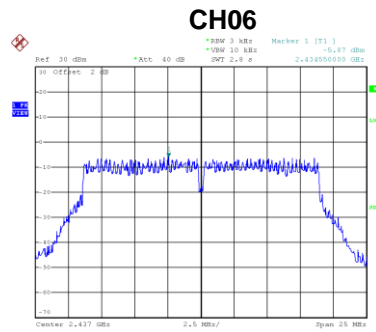
For 2T2R
Non-Beamforming

Test Mode	TX N-20M Mode_Ant. 1
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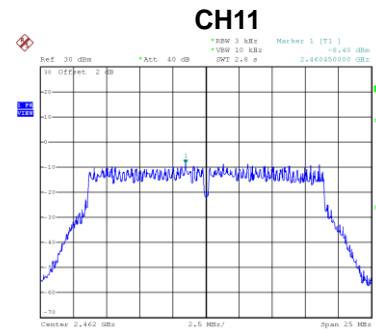
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-8.81	7.99	Complies
06	2437	-5.87	7.99	Complies
11	2462	-8.40	7.99	Complies



Date: 16.MAR.2020 21:22:21



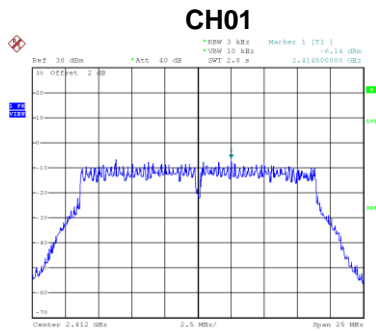
Date: 3.MAR.2020 15:47:49



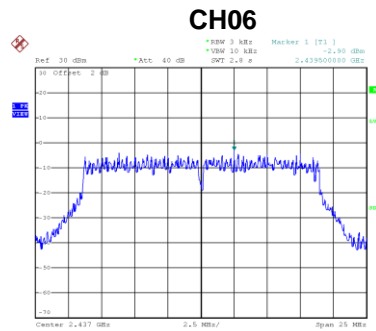
Date: 16.MAR.2020 21:24:00

Test Mode	TX N-20M Mode_Ant. 2
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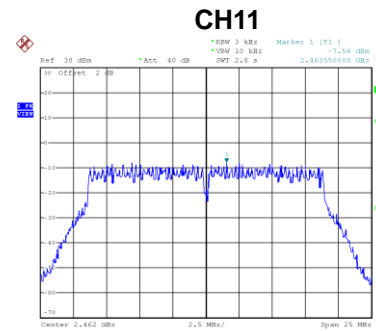
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-6.14	7.99	Complies
06	2437	-2.90	7.99	Complies
11	2462	-7.56	7.99	Complies



Date: 3.MAR.2020 15:49:31



Date: 3.MAR.2020 15:48:31



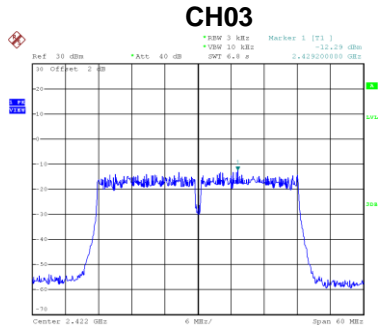
Date: 3.MAR.2020 15:44:27

Test Mode	TX N-20M Mode_Total
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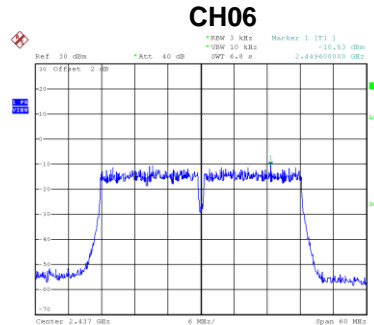
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-4.26	7.99	Complies
06	2437	-1.13	7.99	Complies
11	2462	-4.95	7.99	Complies

Test Mode	TX N-40M Mode_Ant. 1
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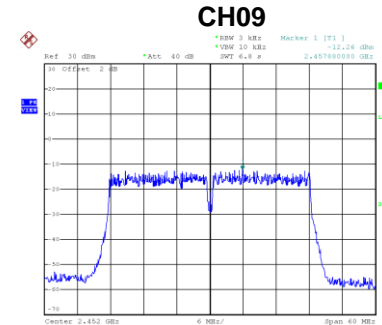
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-12.29	7.99	Complies
06	2437	-10.53	7.99	Complies
09	2452	-12.26	7.99	Complies



Date: 16-MAR-2020 21:25:11



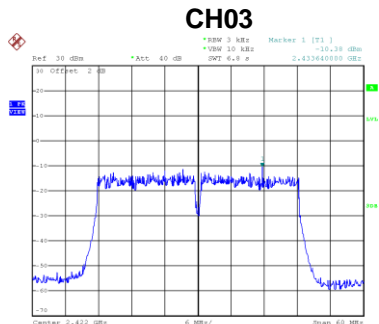
Date: 3-MAR-2020 14:29:17



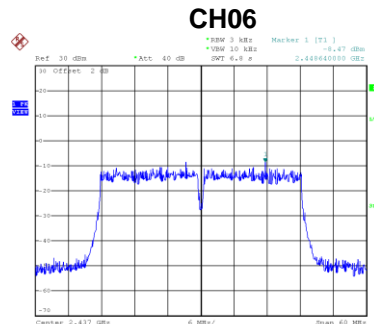
Date: 3-MAR-2020 14:35:51

Test Mode	TX N-40M Mode_Ant. 2
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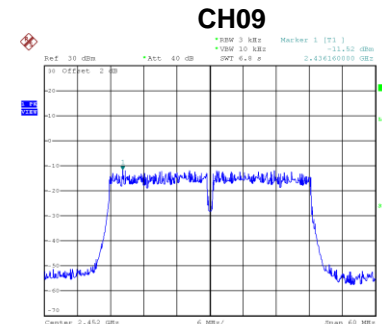
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-10.38	7.99	Complies
06	2437	-8.47	7.99	Complies
09	2452	-11.52	7.99	Complies



Date: 3-MAR-2020 14:27:39



Date: 3-MAR-2020 14:29:41



Date: 3-MAR-2020 14:35:16

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	-8.22	7.99	Complies
06	2437	-6.37	7.99	Complies
09	2452	-8.86	7.99	Complies

End of Test Report