

FCC Radio Test Report

FCC ID: 2AG7CBULLET2

This report concerns: Original Grant

Project No. : 2011H031A
Equipment : IP CAMERA
Brand Name : N/A
Test Model : Bullet 2S
Series Model : N/A
Applicant : Hangzhou Meari Technology Co., Ltd.
Address : Room 604-605, Building 1, No. 768 Jianghong Road, Changhe street, Binjiang District, Hangzhou, Zhejiang, China
Manufacturer : Hangzhou Meari Technology Co., Ltd.
Address : No. 91 Chutian Road, Xixing Street, Binjiang District, Hangzhou, Zhejiang, China
Factory : Hangzhou Meari Technology Co., Ltd.
Address : No. 91 Chutian Road, Xixing Street, Binjiang District, Hangzhou, Zhejiang, China
Date of Receipt : Nov. 16, 2020
Date of Test : Nov. 19, 2020 ~ Nov. 25, 2020
Issued Date : Dec. 04, 2020
Report Version : R01
Test Sample : Engineering Sample No.: SH2020111343, SH2020111343-5, SH2020111344
Standard(s) : FCC Part15, Subpart C (15.247)
 ANSI C63.10-2013
 KDB 558074 D01 15.247 Meas Guidance v05r02

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

Maker Qi

Prepared by : Maker Qi

Ryan. Wang

Approved by : Ryan Wang



Certificate # 5123. 03

Add: No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China
 TEL: +86-021-61765666
 Web: www.newbtl.com

Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

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

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any agency of the U.S. Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

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

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

Limitation

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

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

Table of Contents	Page
REPORT ISSUED HISTORY	6
1 . SUMMARY OF TEST RESULTS	7
1.1 TEST FACILITY	8
1.2 MEASUREMENT UNCERTAINTY	8
1.3 TEST ENVIRONMENT CONDITIONS	8
2 . GENERAL INFORMATION	9
2.1 GENERAL DESCRIPTION OF EUT	9
2.2 DESCRIPTION OF TEST MODES	10
2.3 PARAMETERS OF TEST SOFTWARE	12
2.4 DUTY CYCLE	13
2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	14
2.6 SUPPORT UNITS	14
3 . AC POWER LINE CONDUCTED EMISSIONS TEST	15
3.1 LIMIT	15
3.2 TEST PROCEDURE	15
3.3 DEVIATION FROM TEST STANDARD	15
3.4 TEST SETUP	16
3.5 EUT OPERATION CONDITIONS	16
3.6 TEST RESULTS	16
4 . RADIATED EMISSIONS TEST	17
4.1 LIMIT	17
4.2 TEST PROCEDURE	18
4.3 DEVIATION FROM TEST STANDARD	18
4.4 TEST SETUP	19
4.5 EUT OPERATION CONDITIONS	20
4.6 TEST RESULTS - 9 KHZ TO 30 MHZ	20
4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ	20
4.8 TEST RESULTS - ABOVE 1000 MHZ	20
5 . BANDWIDTH TEST	21
5.1 LIMIT	21
5.2 TEST PROCEDURE	21
5.3 DEVIATION FROM STANDARD	21
5.4 TEST SETUP	21

Table of Contents	Page
5.5 EUT OPERATION CONDITIONS	21
5.6 TEST RESULTS	21
6 . MAXIMUM OUTPUT POWER TEST	22
6.1 LIMIT	22
6.2 TEST PROCEDURE	22
6.3 DEVIATION FROM STANDARD	22
6.4 TEST SETUP	22
6.5 EUT OPERATION CONDITIONS	22
6.6 TEST RESULTS	22
7 . CONDUCTED SPURIOUS EMISSIONS	23
7.1 LIMIT	23
7.2 TEST PROCEDURE	23
7.3 DEVIATION FROM STANDARD	23
7.4 TEST SETUP	23
7.5 EUT OPERATION CONDITIONS	23
7.6 TEST RESULTS	23
8 . POWER SPECTRAL DENSITY TEST	24
8.1 LIMIT	24
8.2 TEST PROCEDURE	24
8.3 DEVIATION FROM STANDARD	24
8.4 TEST SETUP	24
8.5 EUT OPERATION CONDITIONS	24
8.6 TEST RESULTS	24
9 . MEASUREMENT INSTRUMENTS LIST	25
10 . EUT TEST PHOTO	27
APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS	30
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ	33
APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ	34
APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ	37
APPENDIX E - BANDWIDTH	86
APPENDIX F - MAXIMUM OUTPUT POWER	91
APPENDIX G - CONDUCTED SPURIOUS EMISSIONS	93

Table of Contents	Page
APPENDIX H - POWER SPECTRAL DENSITY	98

REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	This is a copy report which referencing test data are provided from test report (BTL-FCCP-1-2011H031). The difference compared with original report are the equipment name, model name, manufacturer and applicant information are changed which does not affect the test results, the rest are kept the same.	Dec. 03, 2020
R01	Added test date.	Dec. 04, 2020

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

Note:

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

1.1 TEST FACILITY

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

BTL's Test Firm Registration Number for FCC: 476765

BTL's Designation Number for FCC: CN1241

1.2 MEASUREMENT UNCERTAINTY

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

The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U, (dB)
SH-C01	CISPR	150 kHz ~ 30 MHz	2.70

B. Radiated emissions test:

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

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	25°C	54%	AC 120V/60Hz	Joven Xiong
Radiated Emissions-30 MHz to 1GHz	24°C	58%	AC 120V/60Hz	Forest Li
Radiated Emissions-Above 1000 MHz	24°C	58%	AC 120V/60Hz	Forest Li
Bandwidth	23°C	62%	AC 120V/60Hz	Danny Dang
Maximum output power & e.i.r.p.	23°C	62%	AC 120V/60Hz	Danny Dang
Conducted Spurious Emissions	23°C	62%	AC 120V/60Hz	Danny Dang
Power Spectral Density	23°C	62%	AC 120V/60Hz	Danny Dang

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	IP CAMERA
Brand Name	N/A
Test Model	Bullet 2S
Series Model	N/A
Model Difference(s)	N/A
Software Version	Smart life
Hardware Version	PCB-BULLET2S-S1MB_GC2063 REV1_0
Power Source	DC voltage supplied from AC/DC adapter. #1 Brand/Mode: DCT12W120100US-A0 #2 Brand/Mode: KA1201A-1201000US
Power Rating	#1 I/P: 100V-240V ~ 50Hz/60Hz 0.3A max. O/P: 12.0V --- 1.0A. #2 I/P: 100V-240V ~ 50Hz/60Hz 0.4A Max O/P: 12V --- 1000mA
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM
Bit Rate of Transmitter	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 150 Mbps
Maximum Output Power	IEEE 802.11b: 18.96 dBm (0.0787 W) IEEE 802.11g: 24.79 dBm (0.3013 W) IEEE 802.11n (HT20): 24.73dBm (0.2972 W) IEEE 802.11n (HT40): 24.37 dBm (0.2735 W)

:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. Channel List:

CH01 - CH11 for IEEE 802.11b, IEEE 802.11g, IEEE 802.11n (HT20)							
CH03 - CH09 for IEEE 802.11n (HT40)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. Antenna Specification:

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

Note:

- 1.The antenna gain supplied by customer.

2.2 DESCRIPTION OF TEST MODES

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

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

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

AC power line conducted emissions test	
Final Test Mode:	Description
Mode 5	TX G Mode Channel 11

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

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

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

NOTE:

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

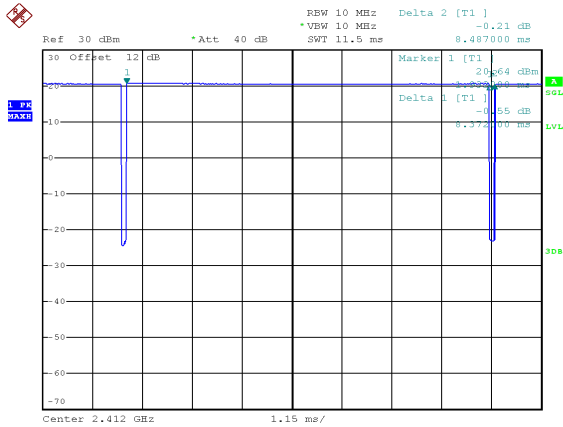
2.3 PARAMETERS OF TEST SOFTWARE

Test Software	IPOP_V4.0		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	Default	Default	Default
IEEE 802.11g	Default	Default	Default
IEEE 802.11n (HT20)	Default	Default	Default
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	Default	Default	Default

2.4 DUTY CYCLE

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

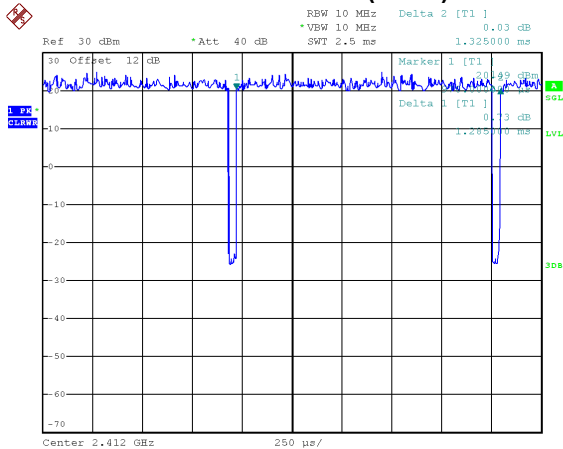
IEEE 802.11b



Date: 24.NOV.2020 12:03:28

Duty cycle = $8.372 \text{ ms} / 8.487 \text{ ms} = 98.64\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.06$

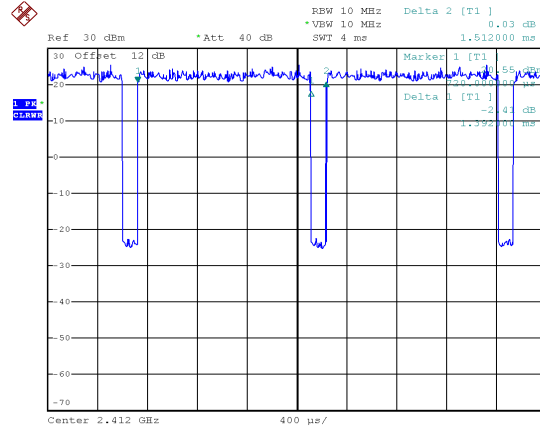
IEEE 802.11n (HT20)



Date: 24.NOV.2020 12:04:22

Duty cycle = $1.285 \text{ ms} / 1.325 \text{ ms} = 96.98\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.13$

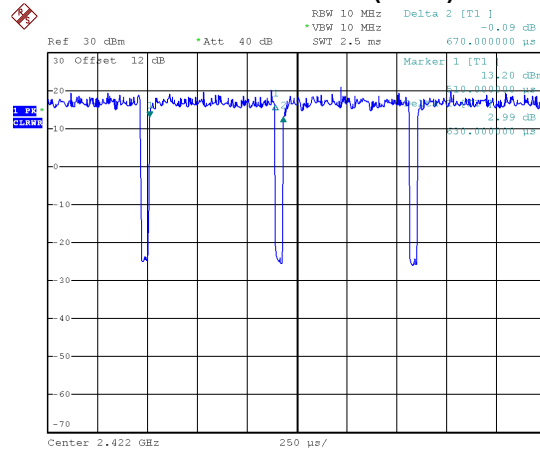
IEEE 802.11g



Date: 24.NOV.2020 12:03:53

Duty cycle = $1.392 \text{ ms} / 1.512 \text{ ms} = 92.06\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.36$

IEEE 802.11n (HT40)



Date: 24.NOV.2020 12:04:38

Duty cycle = $0.63 \text{ ms} / 0.67 \text{ ms} = 94.03\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.27$

NOTE:

For IEEE 802.11b:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 0.1 kHz (Duty cycle $> 98\%$).

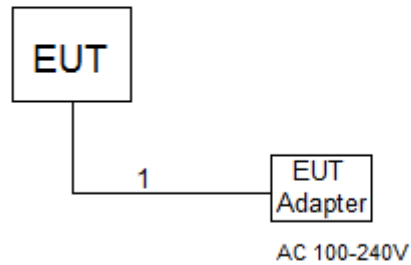
For IEEE 802.11g and IEEE 802.11n (HT20):

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

For IEEE 802.11n (HT40):

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

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

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

3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

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

NOTE:

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

The following table is the setting of the receiver

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

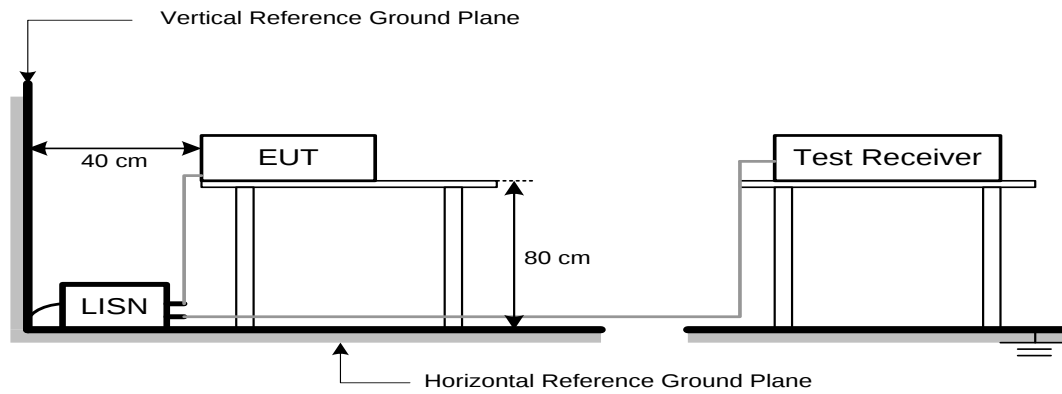
3.2 TEST PROCEDURE

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

3.3 DEVIATION FROM TEST STANDARD

No deviation

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS TEST

4.1 LIMIT

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

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

NOTE:

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

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

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

4.2 TEST PROCEDURE

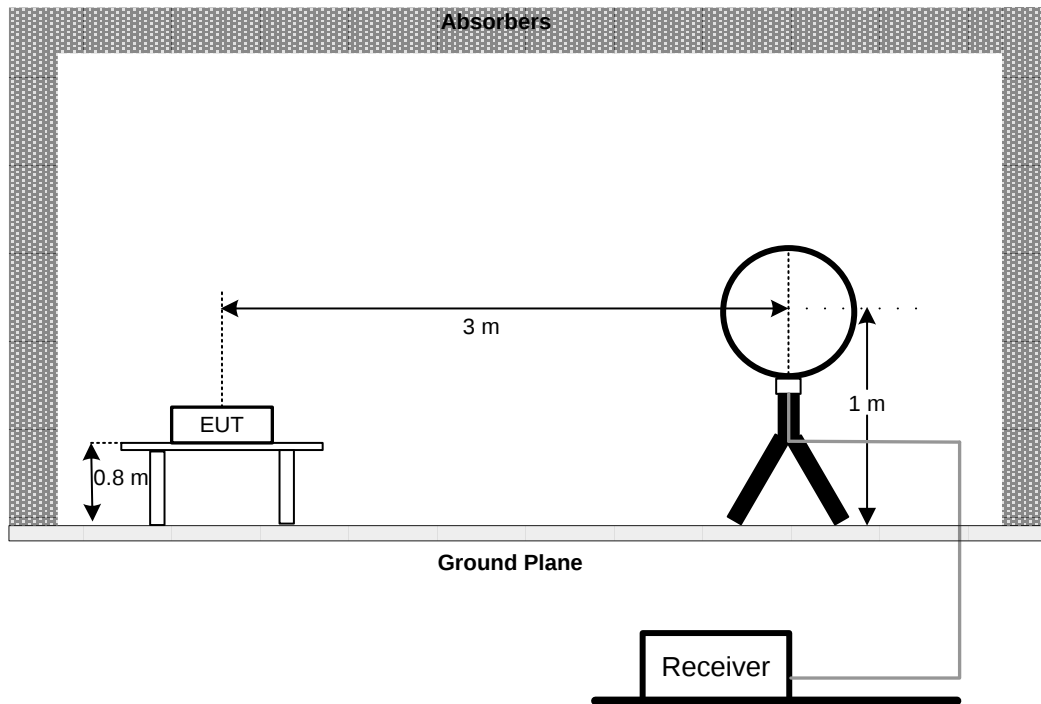
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- The measuring distance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

4.3 DEVIATION FROM TEST STANDARD

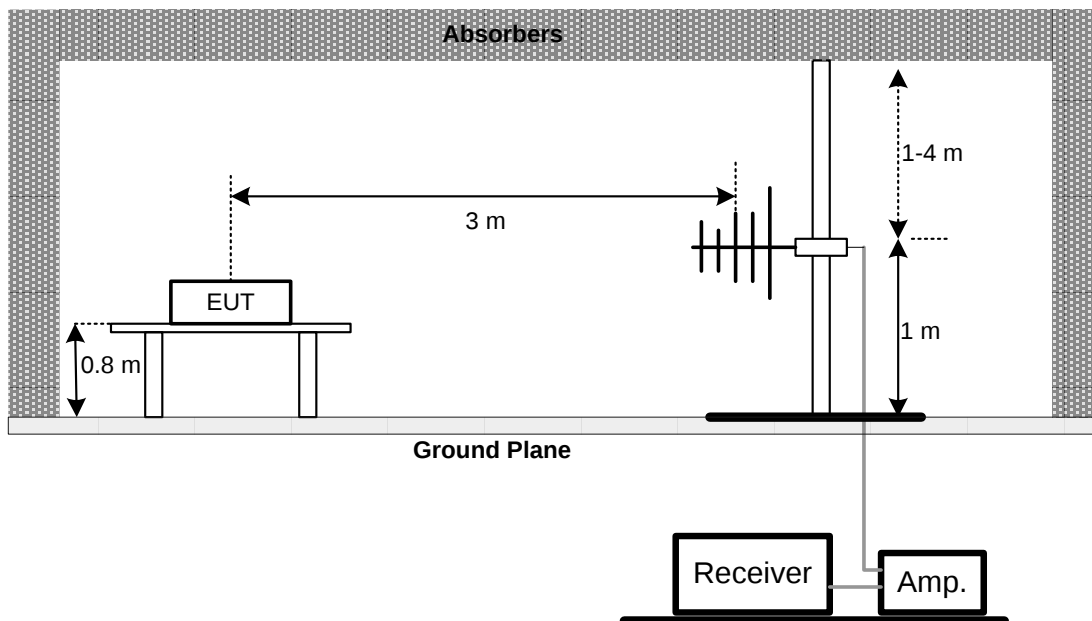
No deviation

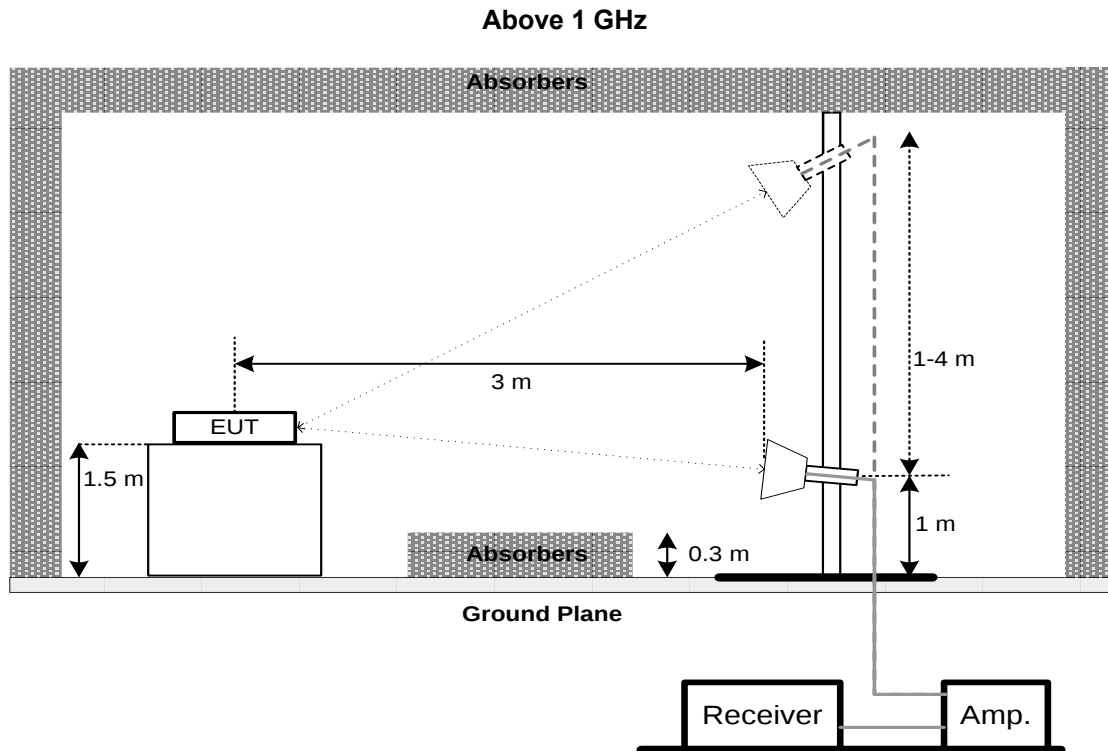
4.4 TEST SETUP

9 kHz-30 MHz



30 MHz to 1 GHz





4.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B

Remark:

- (1) Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

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

5. BANDWIDTH TEST

5.1 LIMIT

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

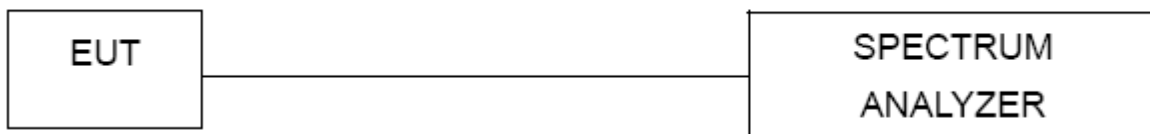
5.2 TEST PROCEDURE

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

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER TEST

6.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(b)(3)	Maximum Output Power	1 Watt or 30dBm

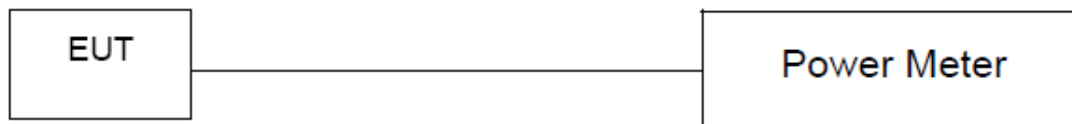
6.2 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- The maximum conducted output power was performed in accordance with method 11.9.1.3 (for peak power) or 11.9.2.3.1 (for AVG power) of ANSI C63.10-2013.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. CONDUCTED SPURIOUS EMISSIONS

7.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required.

7.2 TEST PROCEDURE

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

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8. POWER SPECTRAL DENSITY TEST

8.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(e)	Power Spectral Density	8 dBm (in any 3 kHz)

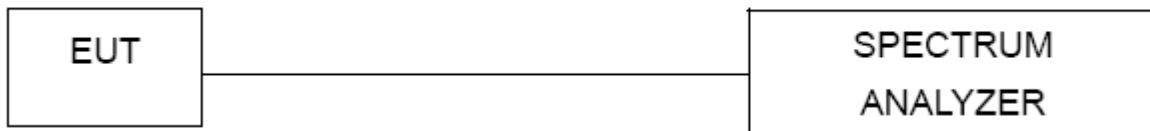
8.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting: RBW=3 kHz, VBW=10 kHz, Sweep time = Auto.
- The Power Spectral Density was performed in accordance with method 11.10.2 of ANSI C63.10-2013.

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

9. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Line Impedance Stabilisation Network	Schwarzbeck	NNLK 8121	8121-822	Mar. 21, 2021
2	TWO-LINE V-NETWORK	R&S	ENV216	101340	Aug. 23, 2021
3	Test Cable	emci	EMCRG400-BM-NM-10000	170628	Jul. 15, 2021
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 21, 2021
5	50Ω Terminator	SHX	TF2-1G-A	17051602	Mar. 21, 2021
6	50Ω coaxial switch	Anritsu	MP59B	6201750902	Mar. 21, 2021
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	719	Apr. 02, 2021
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 21, 2021
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 21, 2021
4	Test Cable	emci	EMC104-SM-SM-7000	170330	Apr. 13, 2021
5	Test Cable	emci	EMC104-SM-SM-1000	170331	Apr. 13, 2021
6	Test Cable	emci	EMC104-SM-NM-3500	170621	Apr. 13, 2021
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - Above 1 GHz

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	9120D	00206960	Apr. 02, 2021
2	Pre-Amplifier	emci	EMC012645SE	980421	May. 11, 2021
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Mar. 21, 2021
4	Test Cable	emci	EMC104-SM-SM-7000	170330	Apr. 13, 2021
5	Test Cable	emci	EMC104-SM-SM-1000	170331	Apr. 13, 2021
6	Test Cable	emci	EMC104-SM-NM-3500	170621	Apr. 13, 2021
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	MXE EMI Receiver	Keysight	N9038A	MY57150106	May. 06, 2021
9	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	3116C	00203919	Jul. 20, 2021
10	Pre-Amplifier	emci	EMC184045SE	980409	Mar. 21, 2021
11	EXA Spectrum Analyzer	Keysight	N9010A	MY56480579	Mar. 21, 2021
12	Test Cable	emci	EMC102-KM-KM-800	170654	Apr. 13, 2021
13	Test Cable	emci	Super Reliable-40G-SS11-7000	W0030860001	Apr. 13, 2021
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Bandwidth

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

Maximum Output Power

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

Antenna Conducted Spurious Emissions

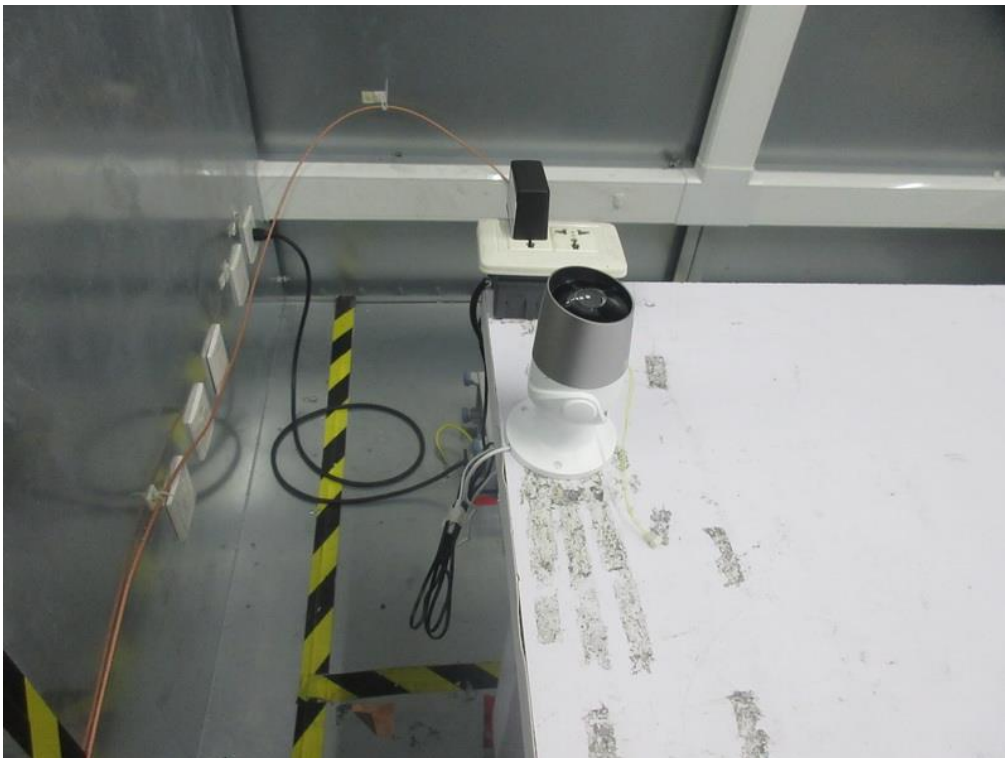
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 06, 2021

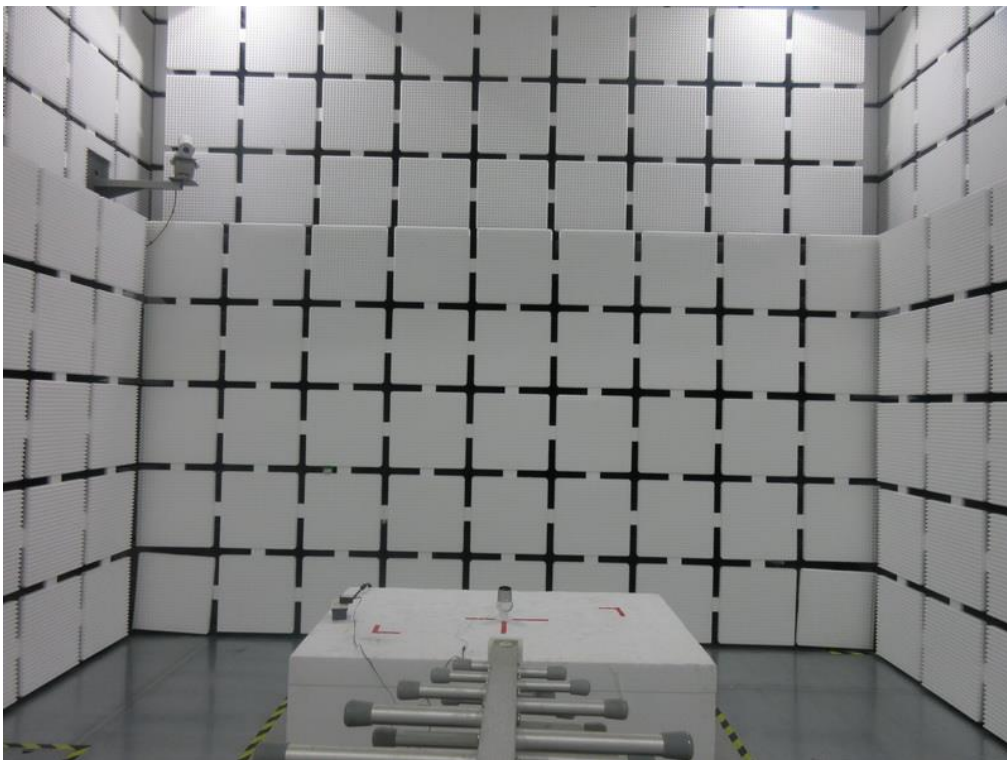
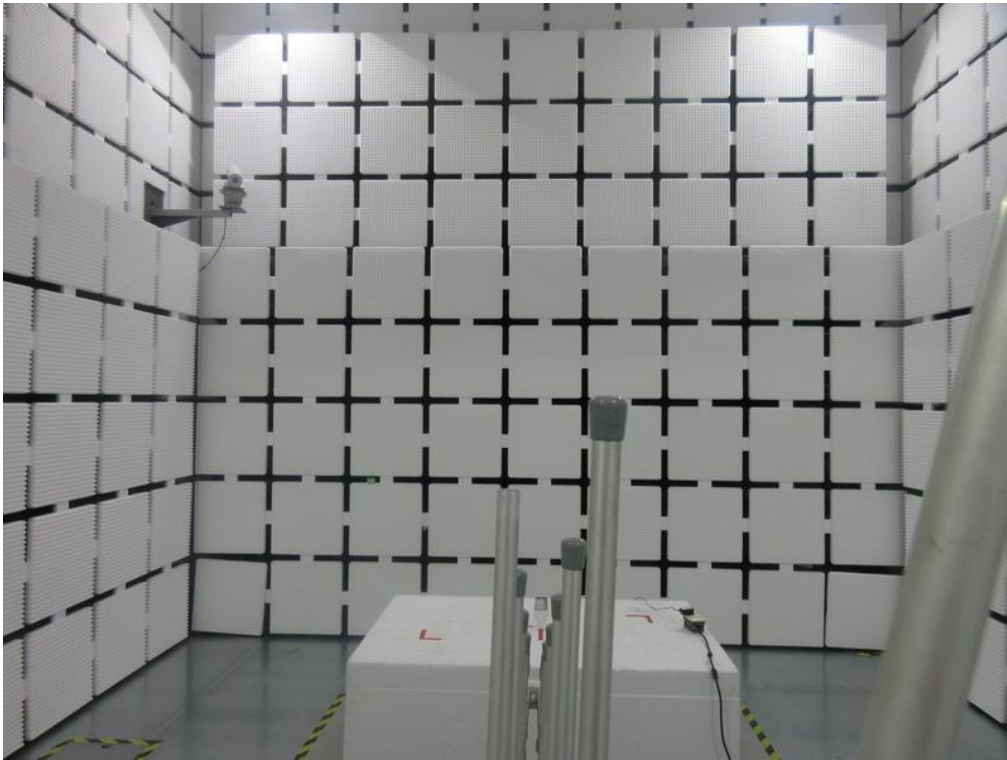
Power Spectral Density

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

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

All calibration period of equipment list is one year.

10. EUT TEST PHOTO**AC Power Line Conducted Emissions Test Photos**

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

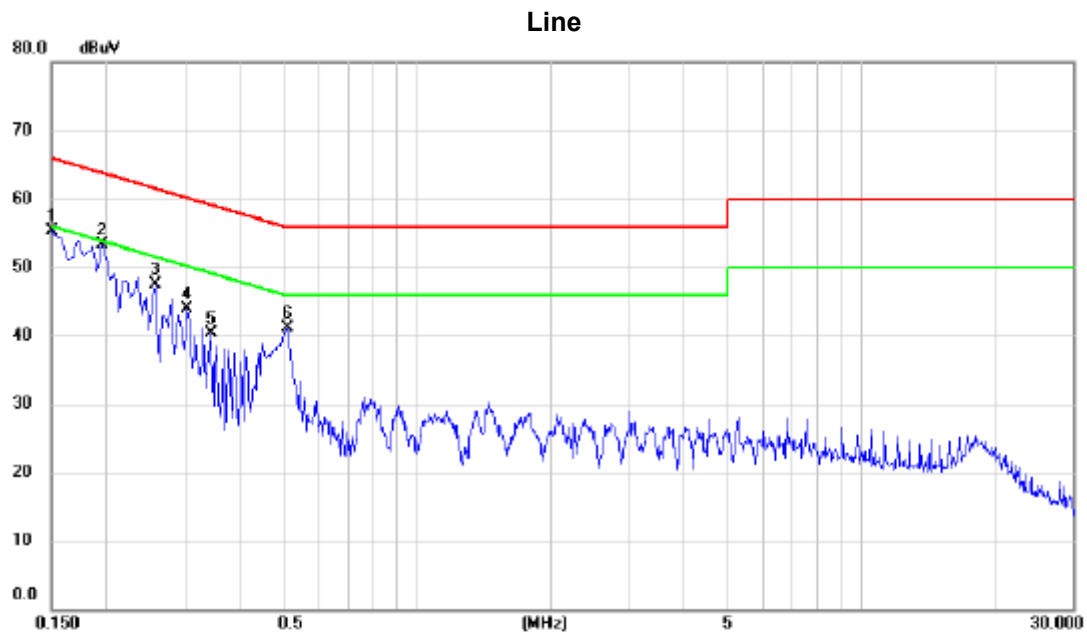
Radiated Emissions Test Photos

Above 1 GHz



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode: TX G Mode Channel 11



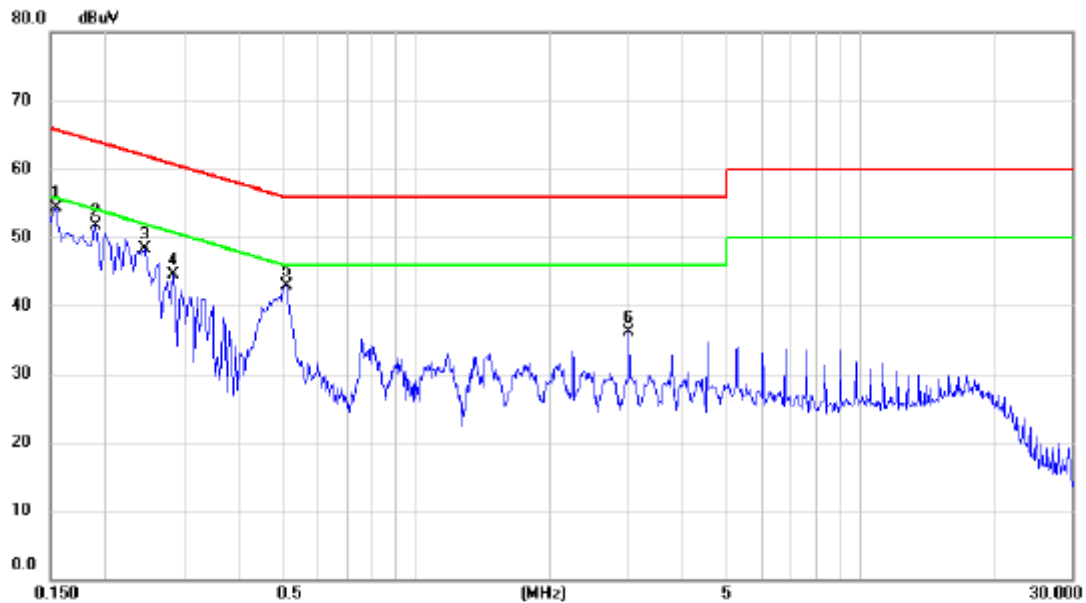
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	45.65	9.68	55.33	66.00	-10.67	peak	
2	*	0.1950	43.66	9.71	53.37	63.82	-10.45	peak	
3		0.2580	37.77	9.73	47.50	61.50	-14.00	peak	
4		0.3030	34.13	9.73	43.86	60.16	-16.30	peak	
5		0.3435	30.57	9.74	40.31	59.12	-18.81	peak	
6		0.5100	31.27	9.77	41.04	56.00	-14.96	peak	

REMARKS:

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

Test Mode: TX G Mode Channel 11

Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1545	44.63	9.72	54.35	65.75	-11.40	peak	
2		0.1905	42.00	9.74	51.74	64.01	-12.27	peak	
3		0.2445	38.52	9.74	48.26	61.94	-13.68	peak	
4		0.2850	34.84	9.76	44.60	60.67	-16.07	peak	
5		0.5100	33.16	9.79	42.95	56.00	-13.05	peak	
6		3.0164	26.18	9.96	36.14	56.00	-19.86	peak	

REMARKS:

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

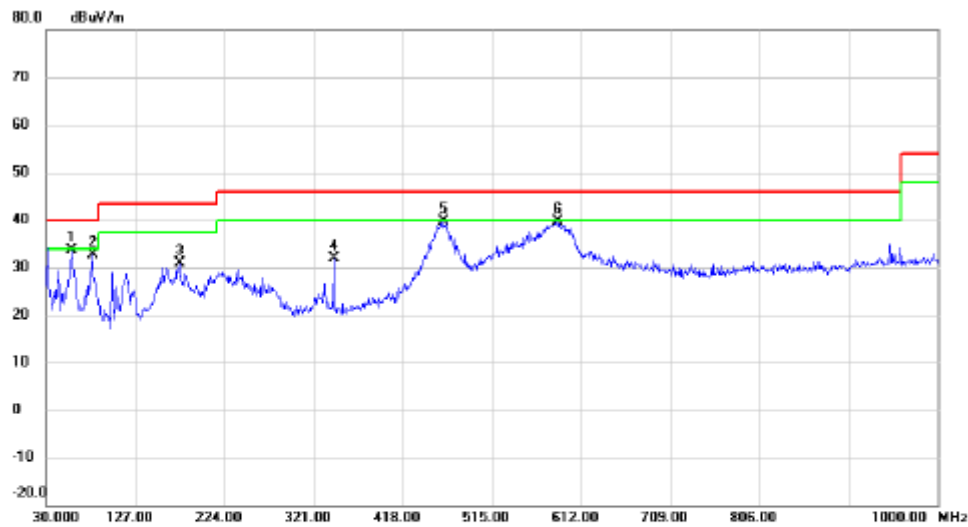
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode: TX G Mode Channel 11

Vertical



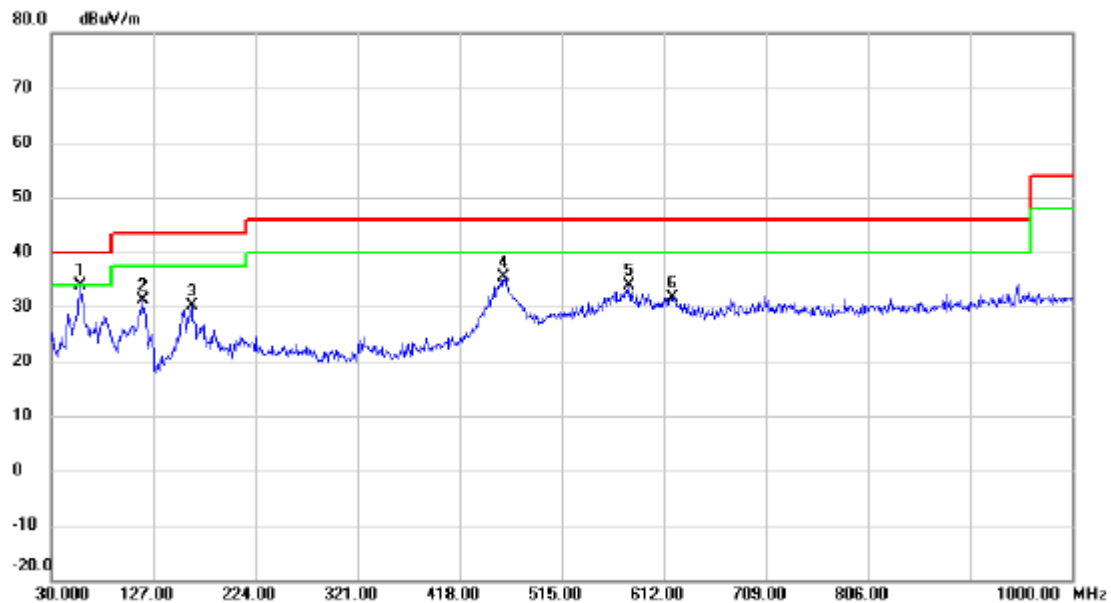
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	58.1300	50.78	-17.09	33.69	40.00	-6.31	peak	
2		80.4400	53.73	-21.00	32.73	40.00	-7.27	peak	
3		175.0150	47.60	-16.83	30.77	43.50	-12.73	peak	
4		343.7950	46.34	-14.58	31.76	46.00	-14.24	peak	
5		462.6200	51.19	-11.68	39.51	46.00	-6.49	peak	
6		586.7800	49.18	-9.52	39.66	46.00	-6.34	peak	

REMARKS:

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

Test Mode: TX G Mode Channel 11

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	58.1300	50.93	-17.09	33.84	40.00	-6.16	peak	
2		116.8150	50.18	-19.02	31.16	43.50	-12.34	peak	
3		163.3750	46.29	-16.15	30.14	43.50	-13.36	peak	
4		460.1950	47.15	-11.70	35.45	46.00	-10.55	peak	
5		579.5050	43.57	-9.71	33.86	46.00	-12.14	peak	
6		620.7300	40.47	-8.92	31.55	46.00	-14.45	peak	

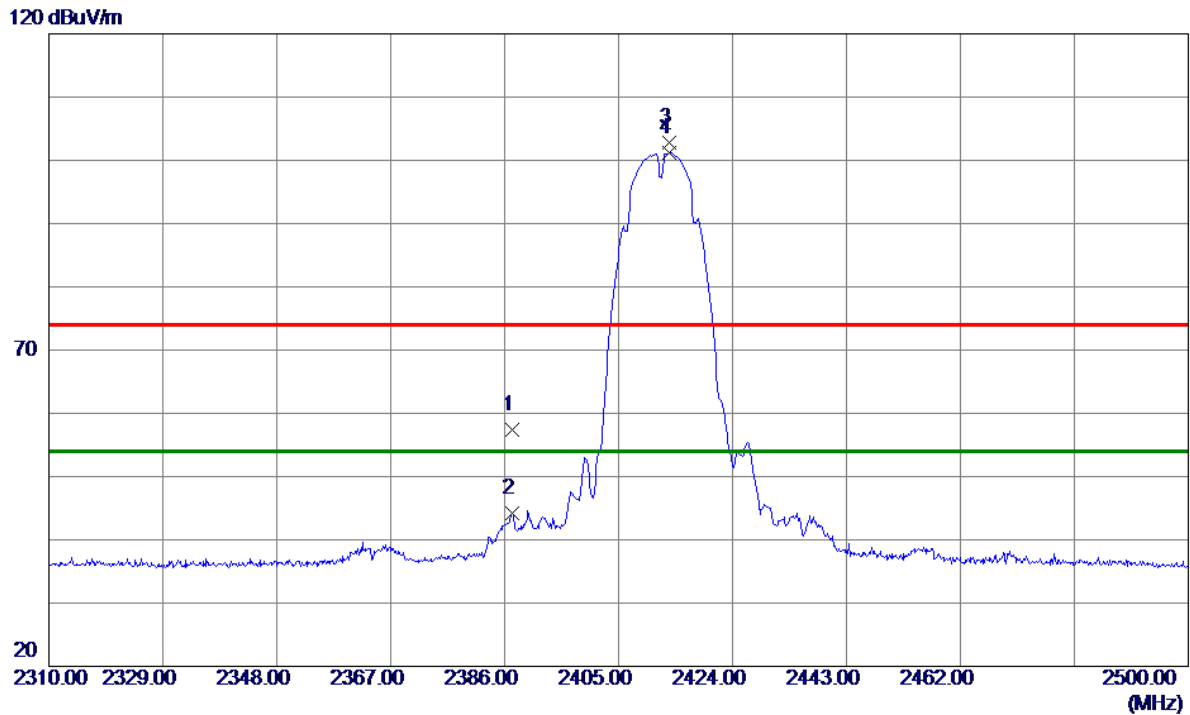
REMARKS:

- (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



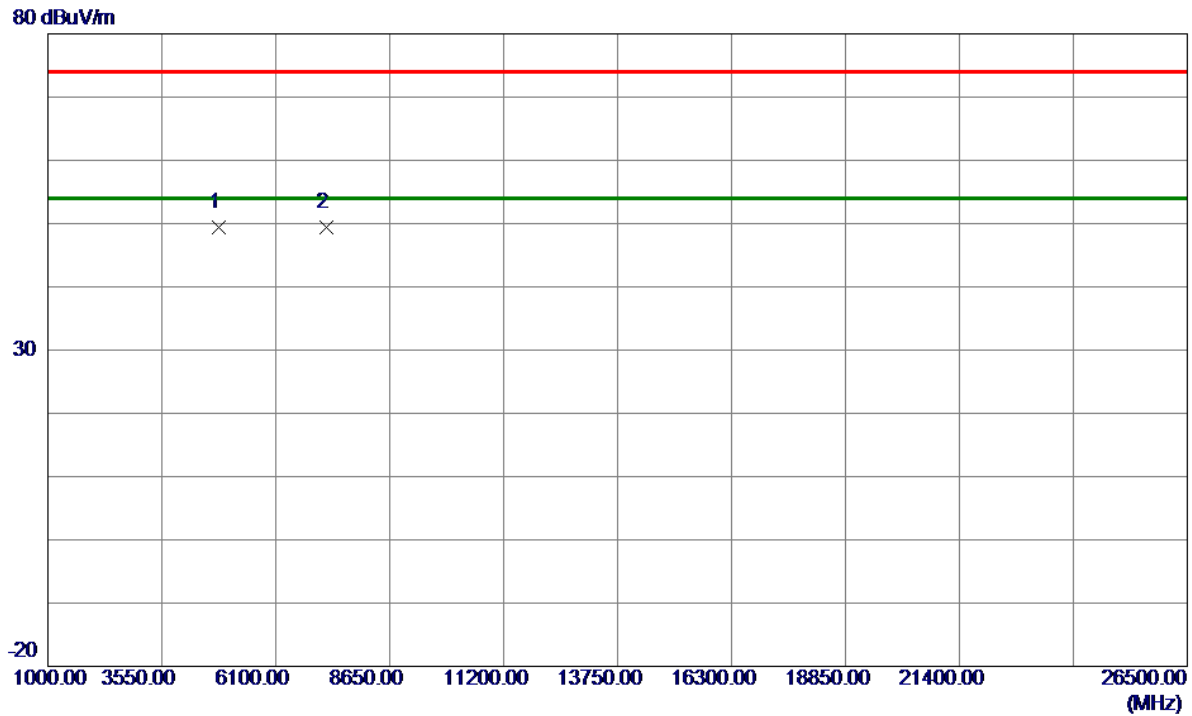
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2387.2350	25.72	31.74	57.46	74.00	-16.54	Peak	
2	2387.2350	12.41	31.74	44.15	54.00	-9.85	AVG	
3	2413.3600	71.16	31.72	102.88	74.00	28.88	Peak	
4 *	2413.3600	69.42	31.72	101.14	54.00	47.14	AVG	

REMARKS:

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

Test Mode: TX B Mode 2412 MHz

Vertical



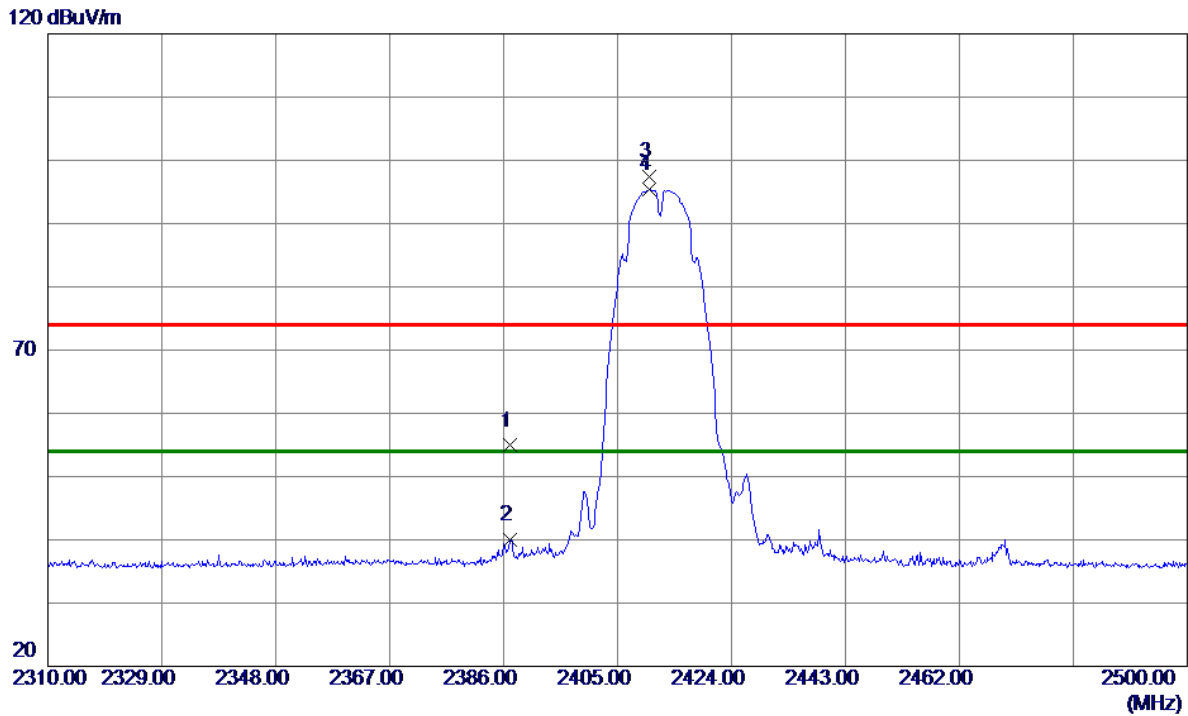
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.7250	60.25	-10.91	49.34	74.00	-24.66	Peak	
2 *	7236.0250	53.59	-4.17	49.42	74.00	-24.58	Peak	

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	2387.1399	23.16	31.74	54.90	74.00	-19.10	Peak	
2	2387.1399	8.31	31.74	40.05	54.00	-13.95	AVG	
3	2410.2250	65.59	31.72	97.31	74.00	23.31	Peak	
4 *	2410.2250	63.67	31.72	95.39	54.00	41.39	AVG	

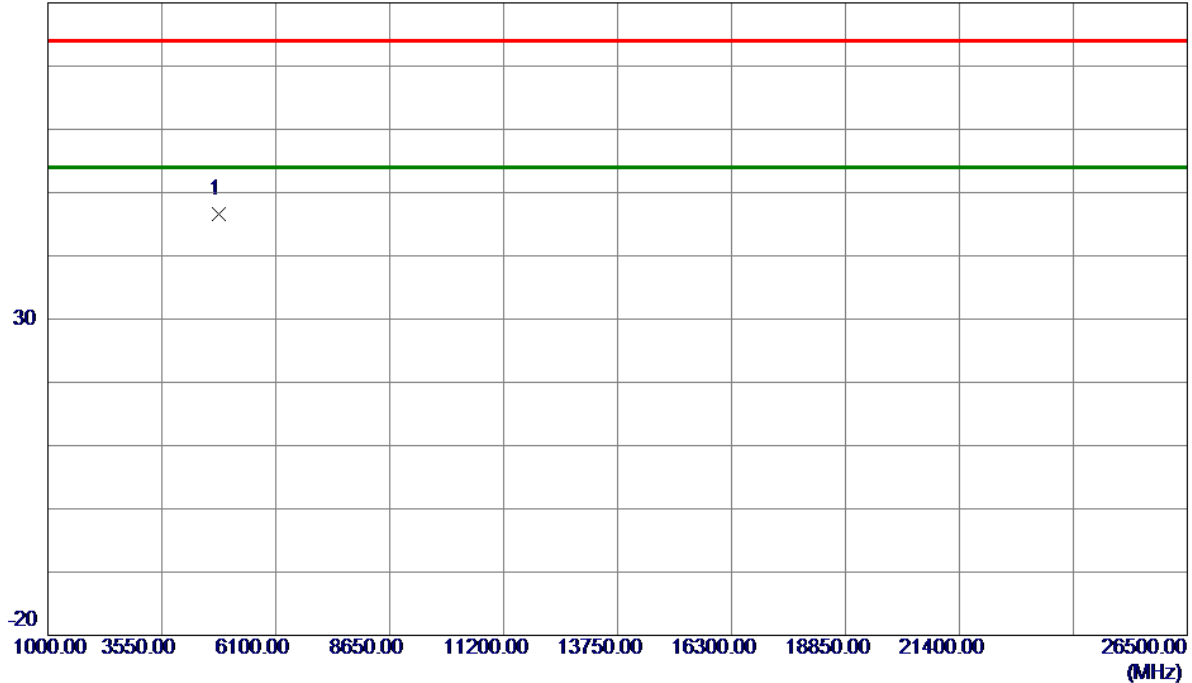
REMARKS:

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

Test Mode: TX B Mode 2412 MHz

Horizontal

80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823.7250	57.60	-10.91	46.69	74.00	-27.31	Peak	

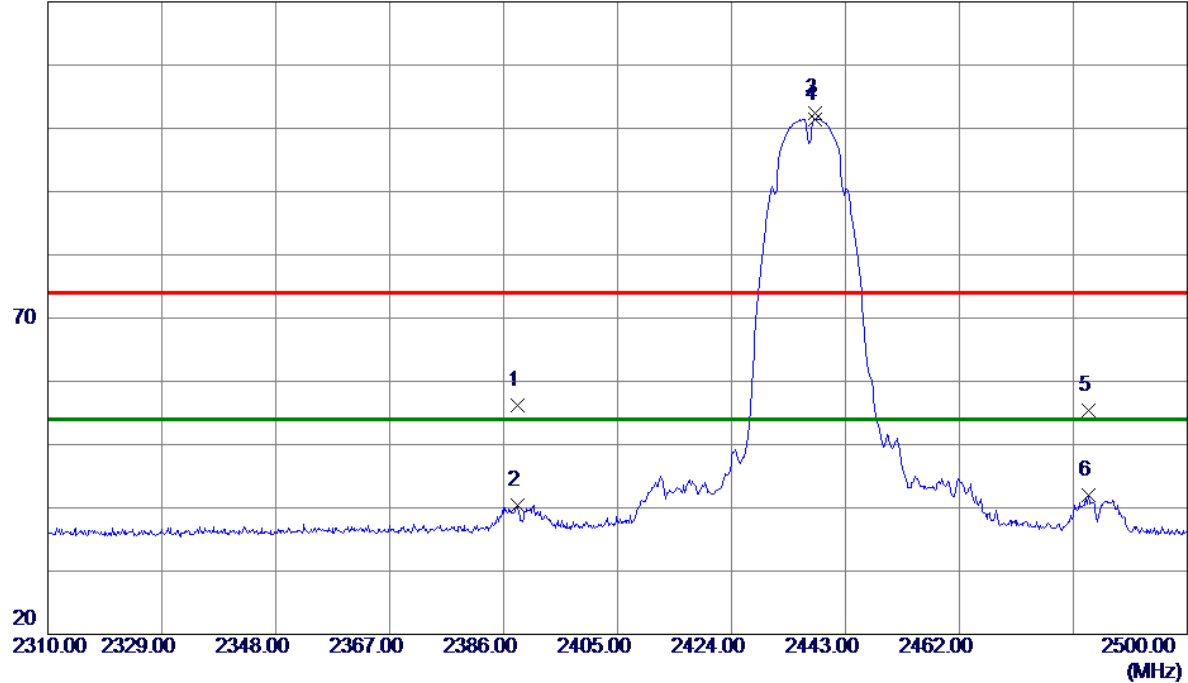
REMARKS:

- (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	2388.2800	24.37	31.74	56.11	74.00	-17.89	Peak	
2	2388.2800	8.69	31.74	40.43	54.00	-13.57	AVG	
3	2437.8700	70.67	31.72	102.39	74.00	28.39	Peak	
4 *	2437.8700	69.76	31.72	101.48	54.00	47.48	AVG	
5	2483.5650	23.64	31.71	55.35	74.00	-18.65	Peak	
6	2483.5650	10.22	31.71	41.93	54.00	-12.07	AVG	

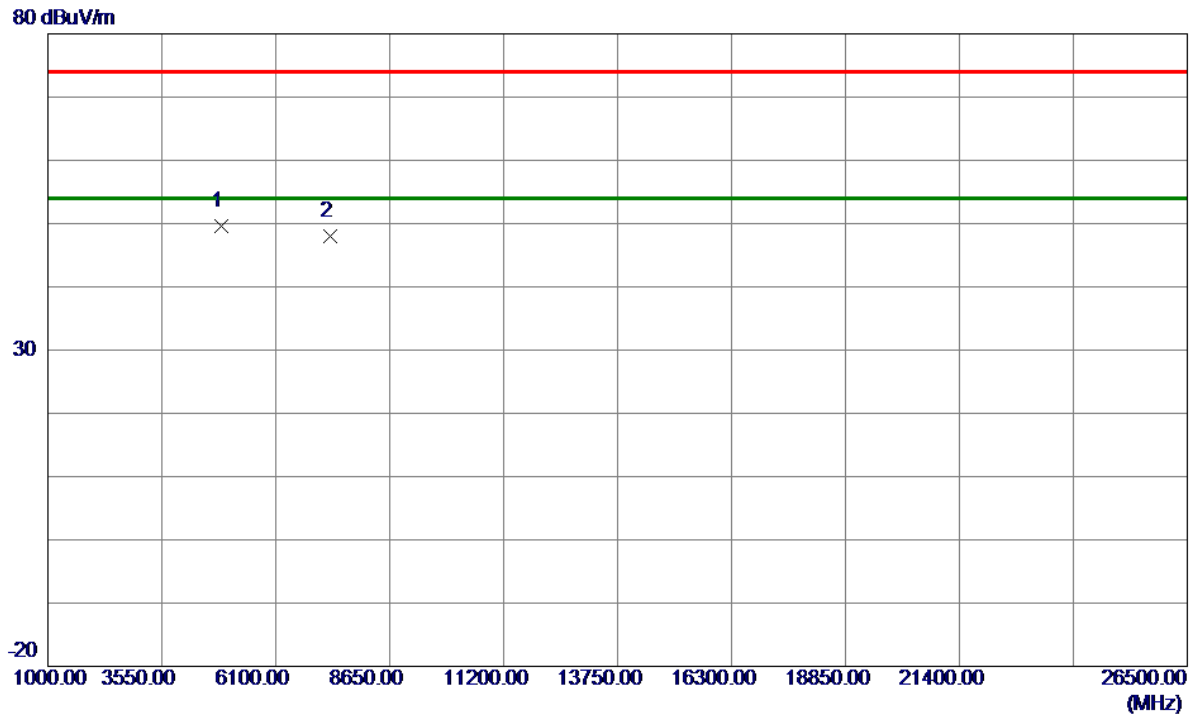
REMARKS:

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

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

Test Mode: TX B Mode 2437 MHz

Vertical



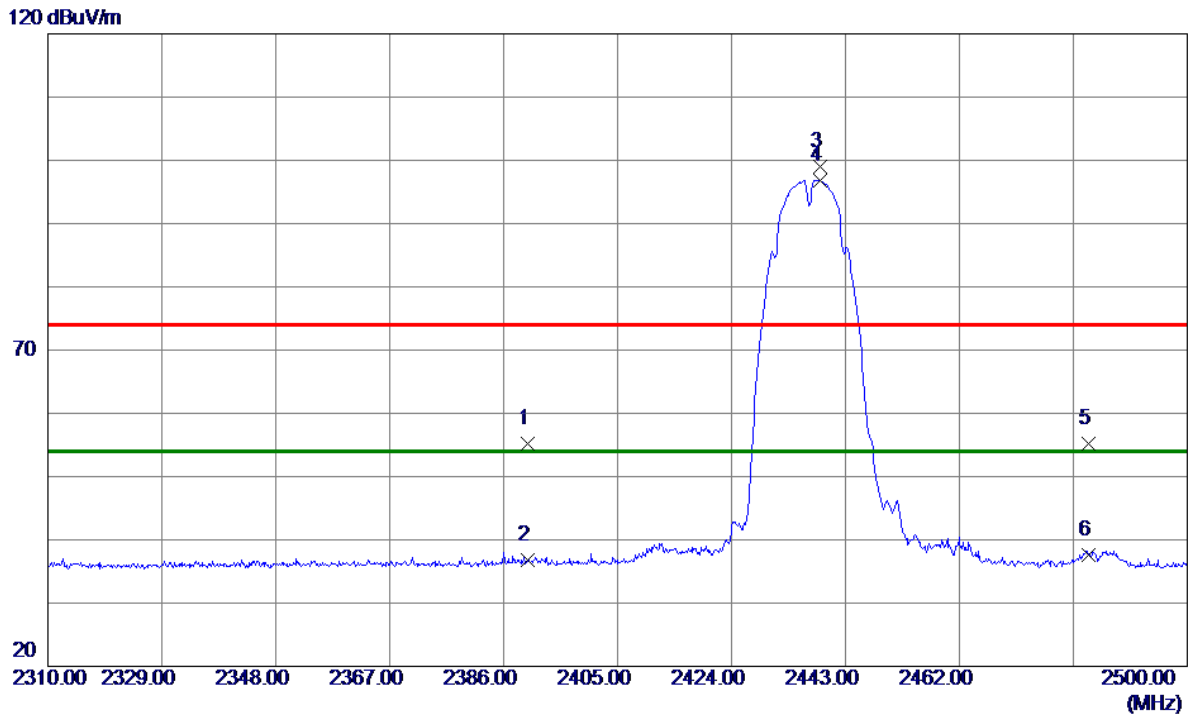
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.7250	60.35	-10.79	49.56	74.00	-24.44	Peak	
2	7309.9750	52.17	-4.08	48.09	74.00	-25.91	Peak	

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	2390.0000	23.46	31.74	55.20	74.00	-18.80	Peak	
2	2390.0000	5.01	31.74	36.75	54.00	-17.25	AVG	
3	2438.8200	67.34	31.72	99.06	74.00	25.06	Peak	
4 *	2438.8200	65.13	31.72	96.85	54.00	42.85	AVG	
5	2483.5000	23.51	31.71	55.22	74.00	-18.78	Peak	
6	2483.5000	5.89	31.71	37.60	54.00	-16.40	AVG	

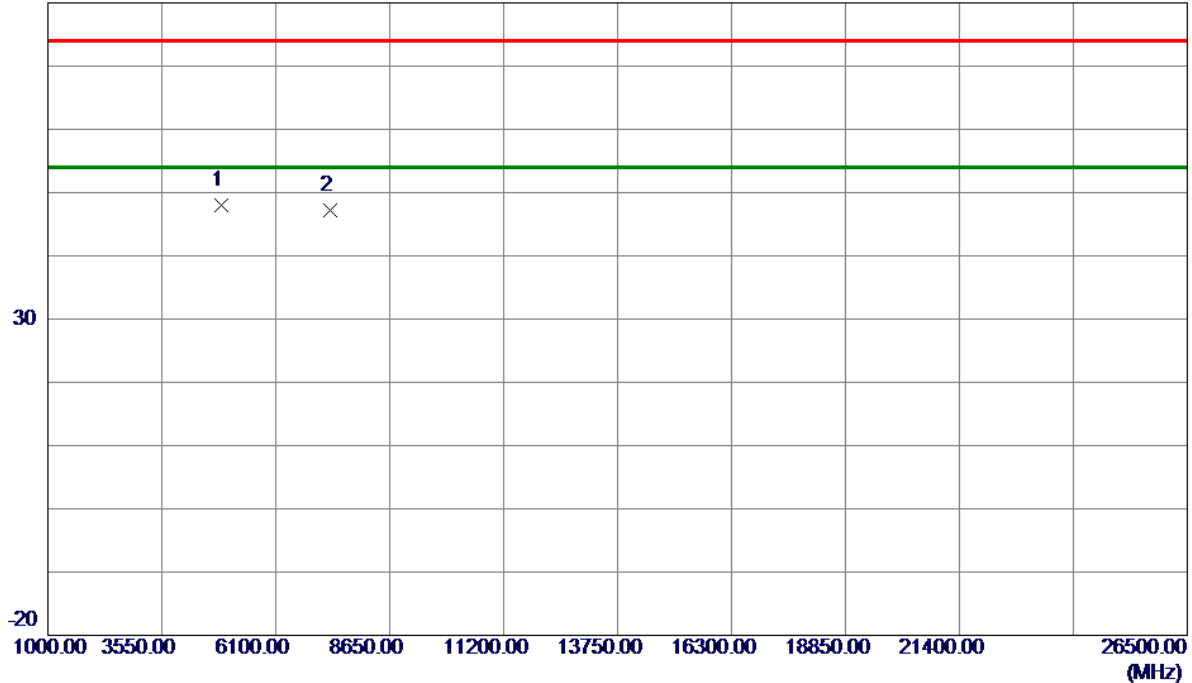
REMARKS:

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

Test Mode: TX B Mode 2437 MHz

Horizontal

80 dBuV/m



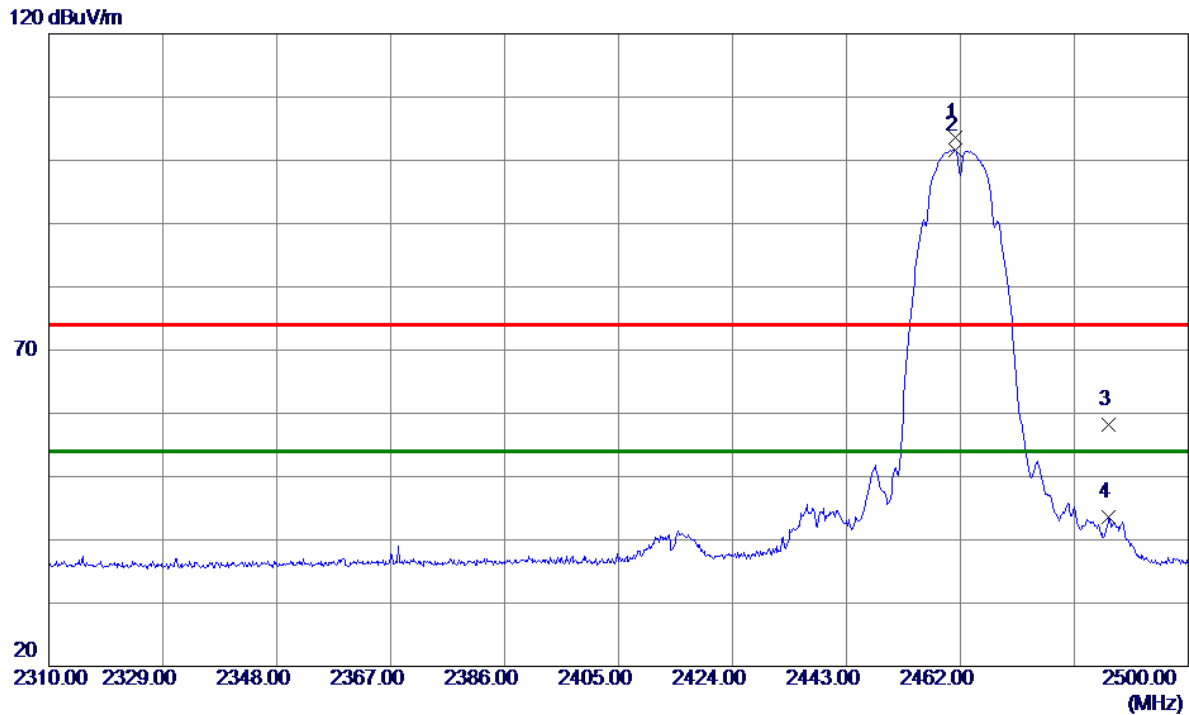
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.7250	58.80	-10.79	48.01	74.00	-25.99	Peak	
2	7312.5250	51.36	-4.07	47.29	74.00	-26.71	Peak	

REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.2400	71.93	31.71	103.64	74.00	29.64	Peak	
2 *	2461.2400	69.90	31.71	101.61	54.00	47.61	AVG	
3	2486.7950	26.40	31.71	58.11	74.00	-15.89	Peak	
4	2486.7950	11.91	31.71	43.62	54.00	-10.38	AVG	

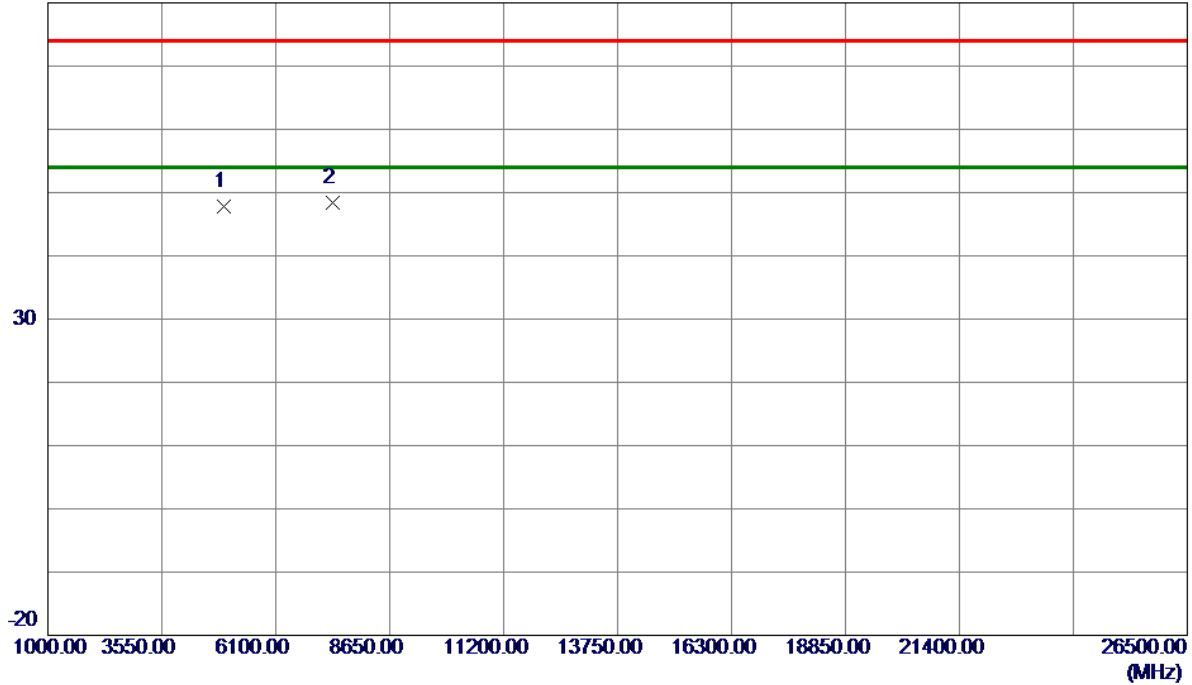
REMARKS:

- (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



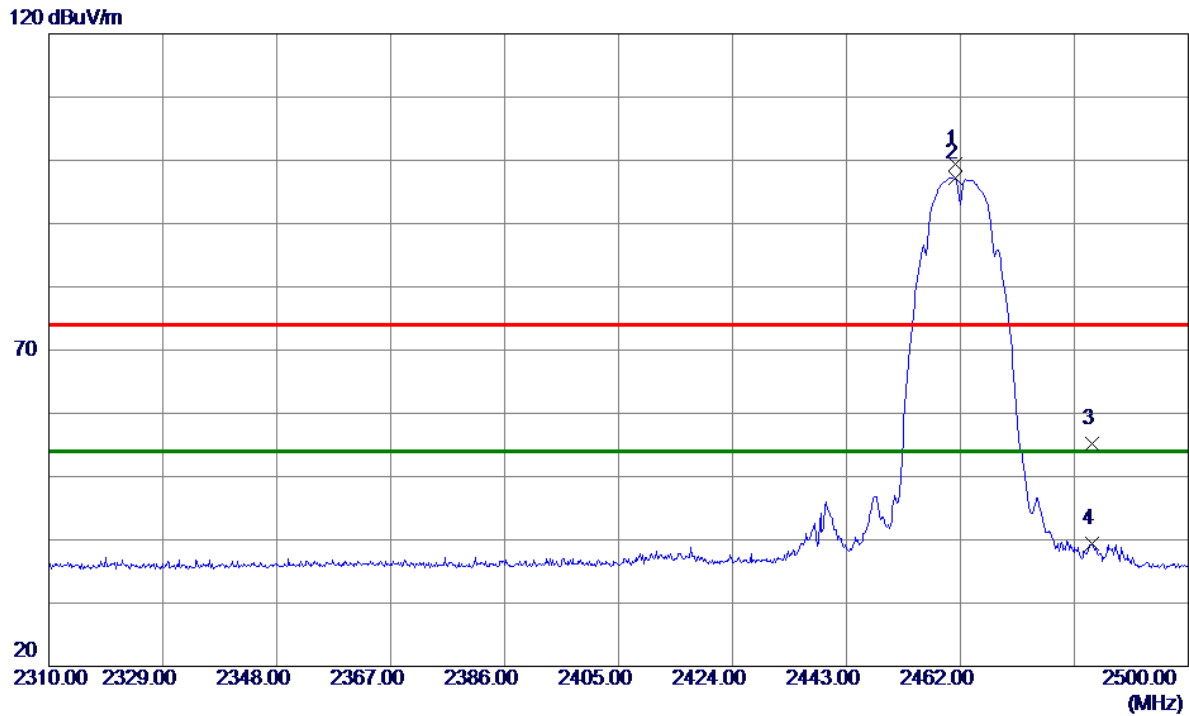
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4924.4500	58.49	-10.62	47.87	74.00	-26.13	Peak	
2 *	7386.4750	52.46	-3.98	48.48	74.00	-25.52	Peak	

REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.1450	67.75	31.71	99.46	74.00	25.46	Peak	
2 *	2461.1450	65.49	31.71	97.20	54.00	43.20	AVG	
3	2483.9450	23.51	31.71	55.22	74.00	-18.78	Peak	
4	2483.9450	7.77	31.71	39.48	54.00	-14.52	AVG	

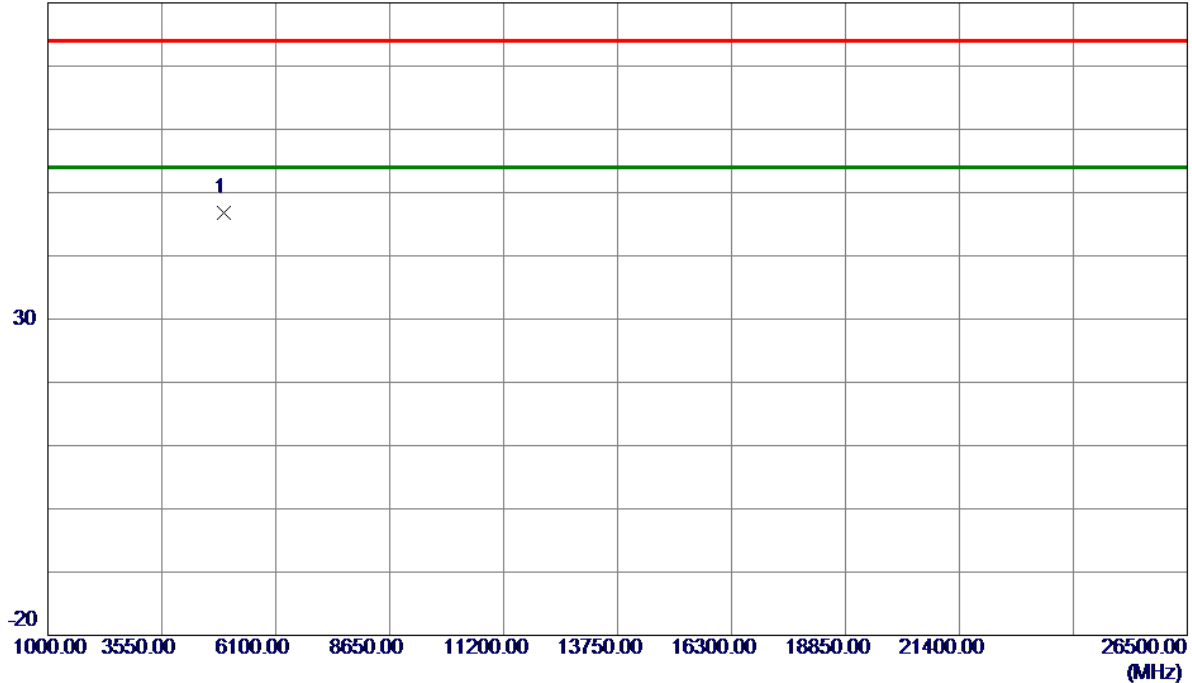
REMARKS:

- (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



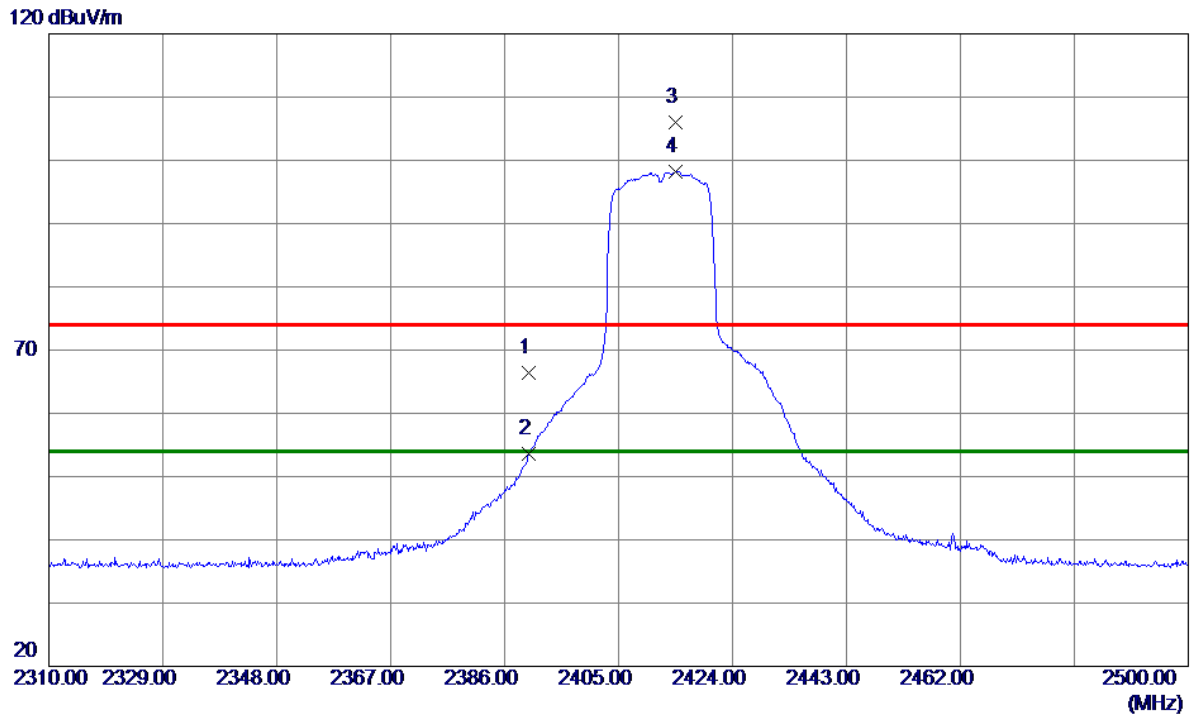
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924.4500	57.43	-10.62	46.81	74.00	-27.19	Peak	

REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	34.69	31.74	66.43	74.00	-7.57	Peak	
2	2390.0000	21.85	31.74	53.59	54.00	-0.41	AVG	
3	2414.5000	74.21	31.72	105.93	74.00	31.93	Peak	
4 *	2414.5000	66.48	31.72	98.20	54.00	44.20	AVG	

REMARKS:

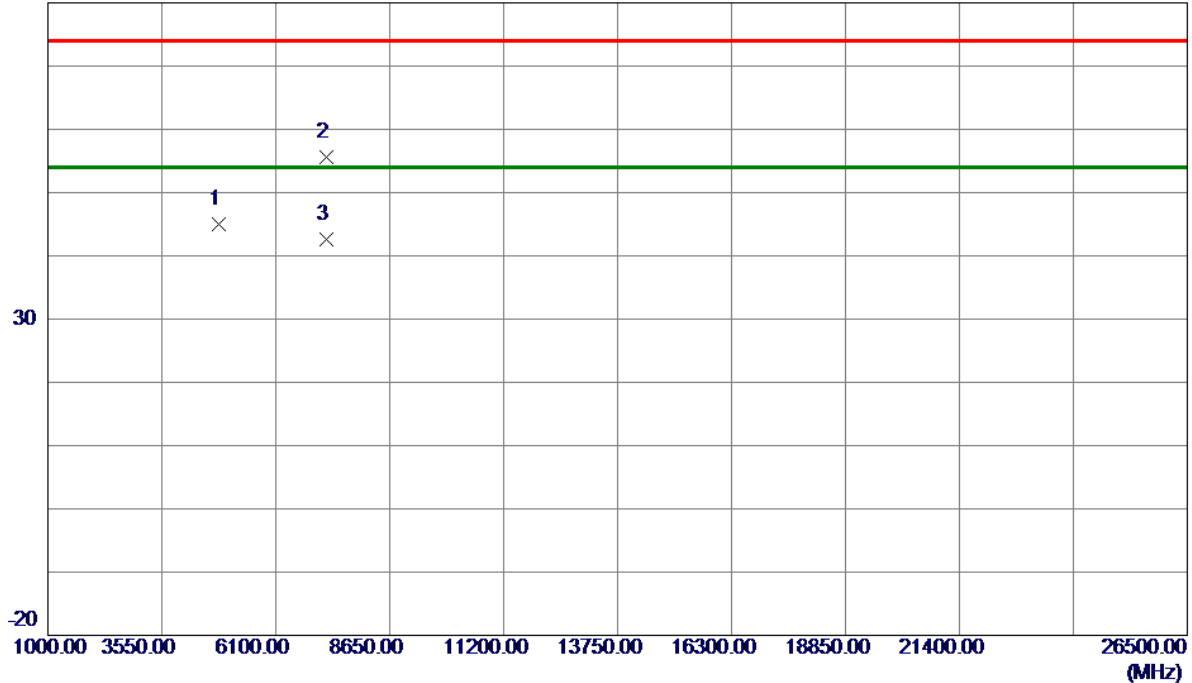
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode: TX G Mode 2412 MHz

Vertical

80 dBuV/m



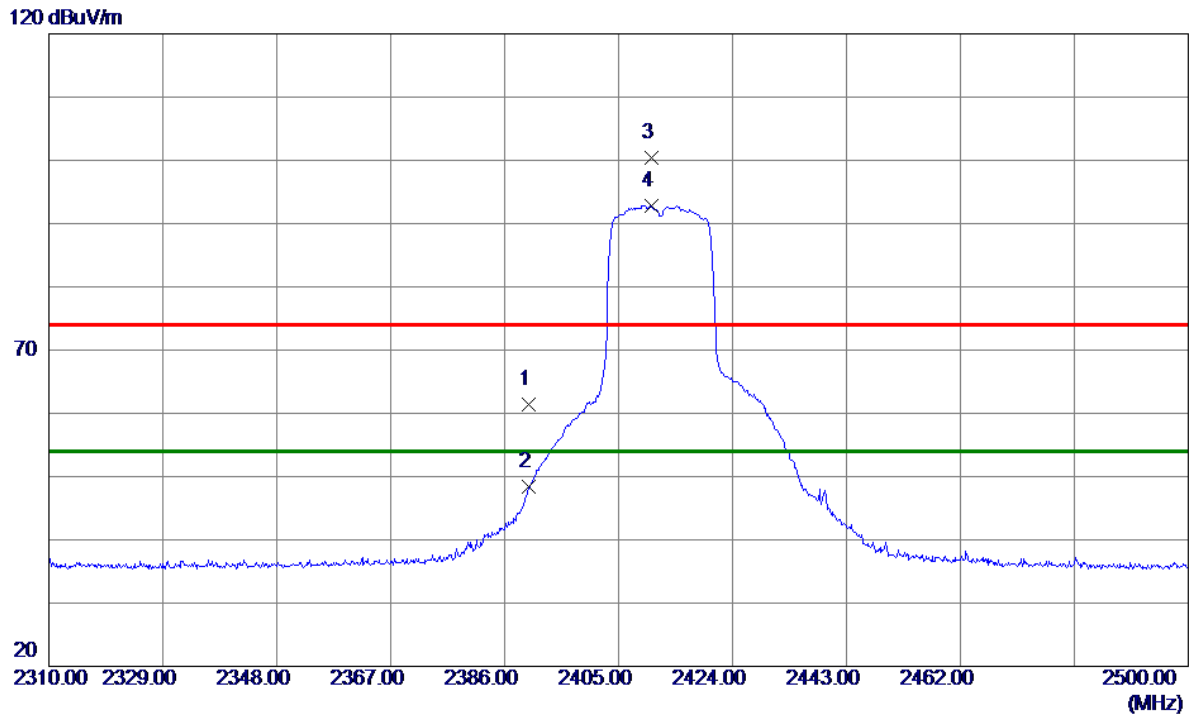
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	4825.0000	55.82	-10.90	44.92	74.00	-29.08	Peak	
2	7228.3750	59.72	-4.18	55.54	74.00	-18.46	Peak	
3 *	7233.4800	46.80	-4.17	42.63	54.00	-11.37	AVG	

REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Horizontal



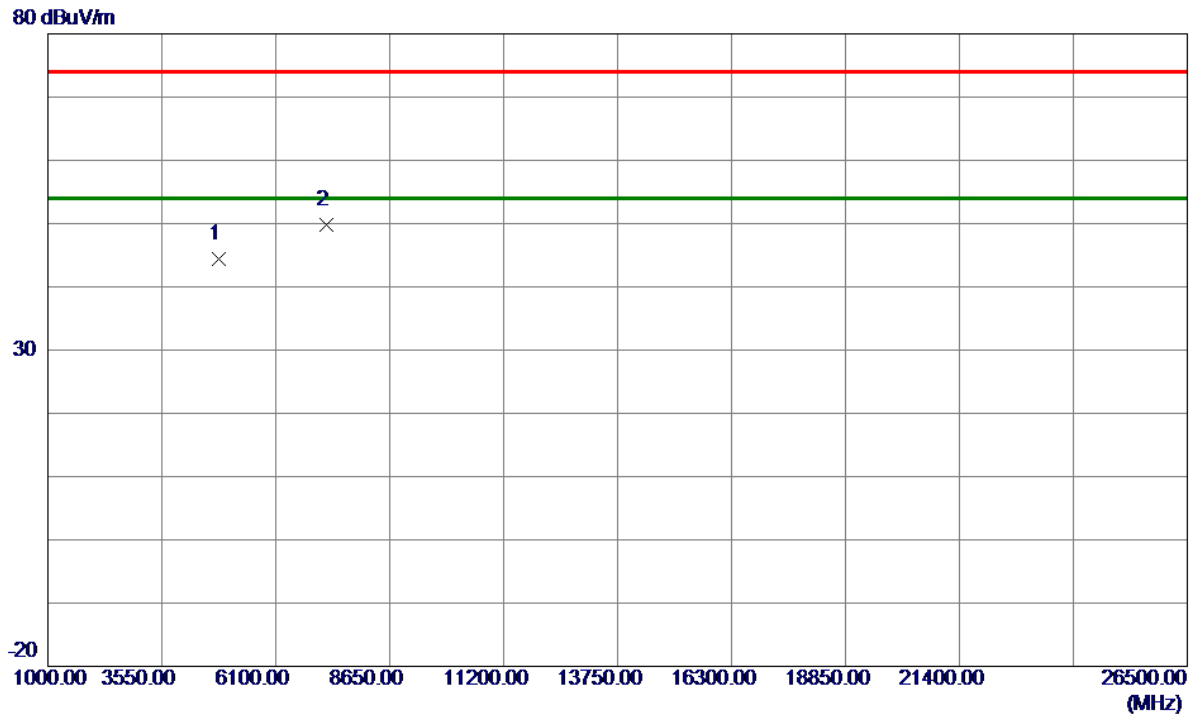
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	29.70	31.74	61.44	74.00	-12.56	Peak	
2	2390.0000	16.69	31.74	48.43	54.00	-5.57	AVG	
3	2410.4150	68.70	31.72	100.42	74.00	26.42	Peak	
4 *	2410.4150	61.16	31.72	92.88	54.00	38.88	AVG	

REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Horizontal



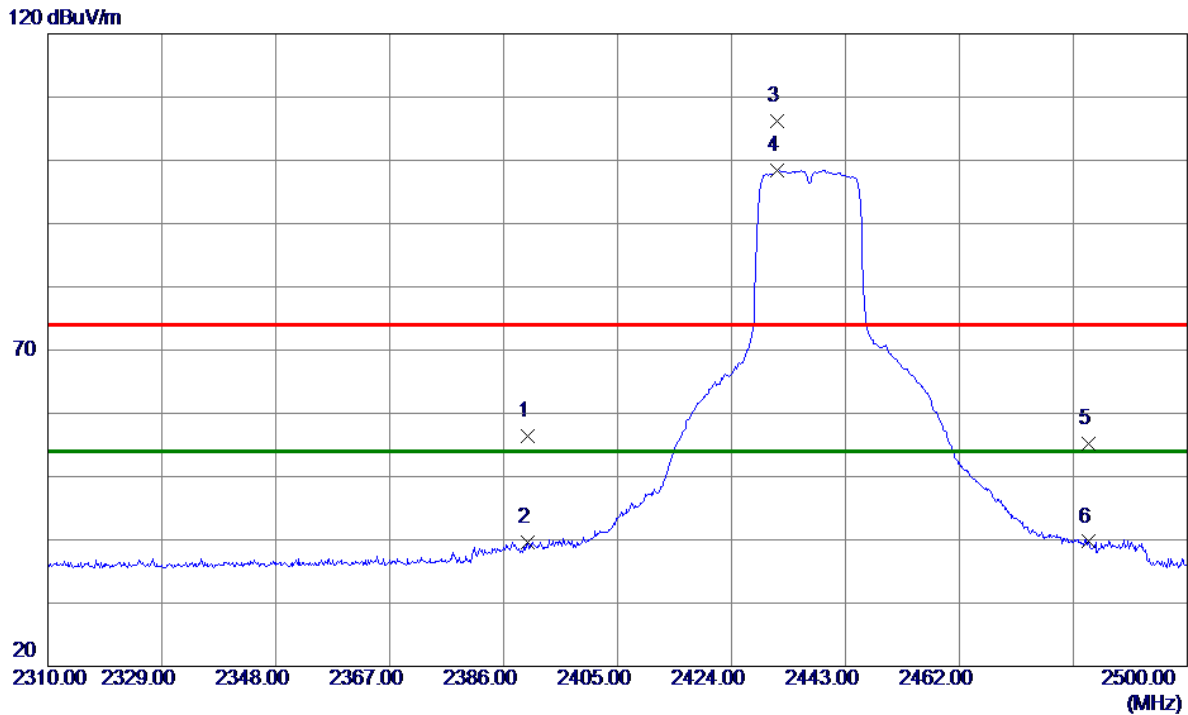
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4825.0000	55.31	-10.90	44.41	74.00	-29.59	Peak	
2 *	7233.4750	53.92	-4.17	49.75	74.00	-24.25	Peak	

REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.57	31.74	56.31	74.00	-17.69	Peak	
2	2390.0000	7.95	31.74	39.69	54.00	-14.31	AVG	
3	2431.6000	74.51	31.72	106.23	74.00	32.23	Peak	
4 *	2431.6000	66.75	31.72	98.47	54.00	44.47	AVG	
5	2483.5000	23.45	31.71	55.16	74.00	-18.84	Peak	
6	2483.5000	7.99	31.71	39.70	54.00	-14.30	AVG	

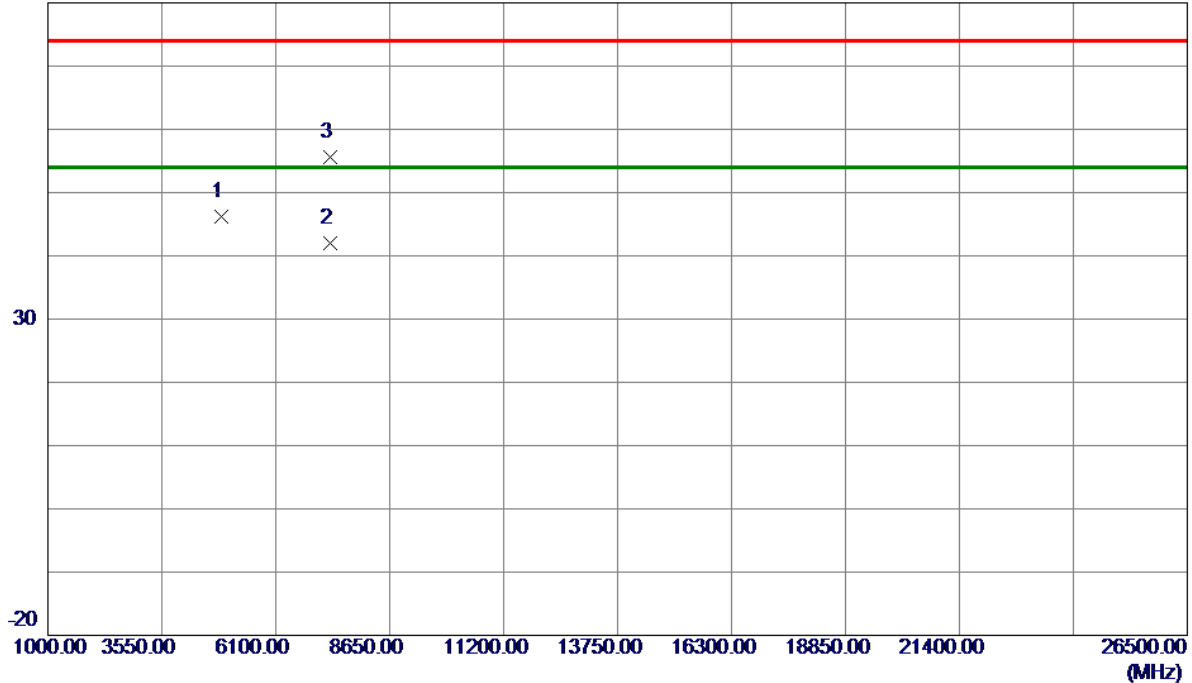
REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Vertical

80 dBuV/m



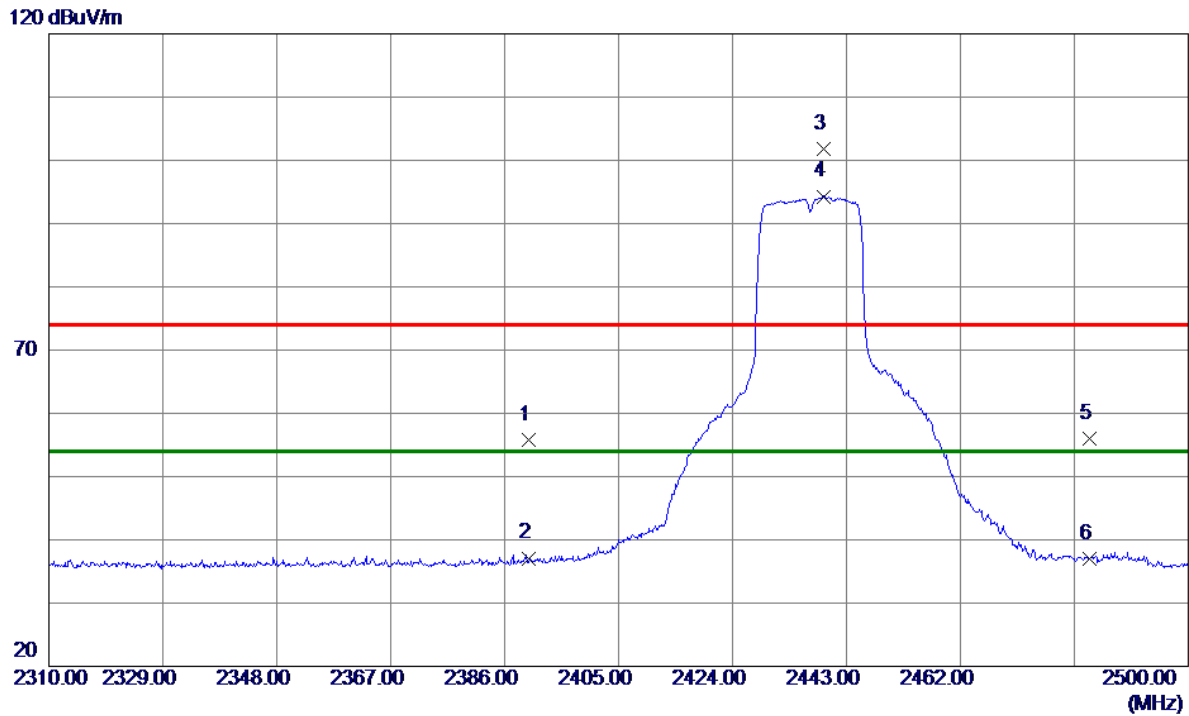
No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	4878.5500	56.89	-10.78	46.11	74.00	-27.89	Peak	
2 *	7308.0250	45.99	-4.08	41.91	54.00	-12.09	AVG	
3	7312.5250	59.73	-4.07	55.66	74.00	-18.34	Peak	

REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Horizontal



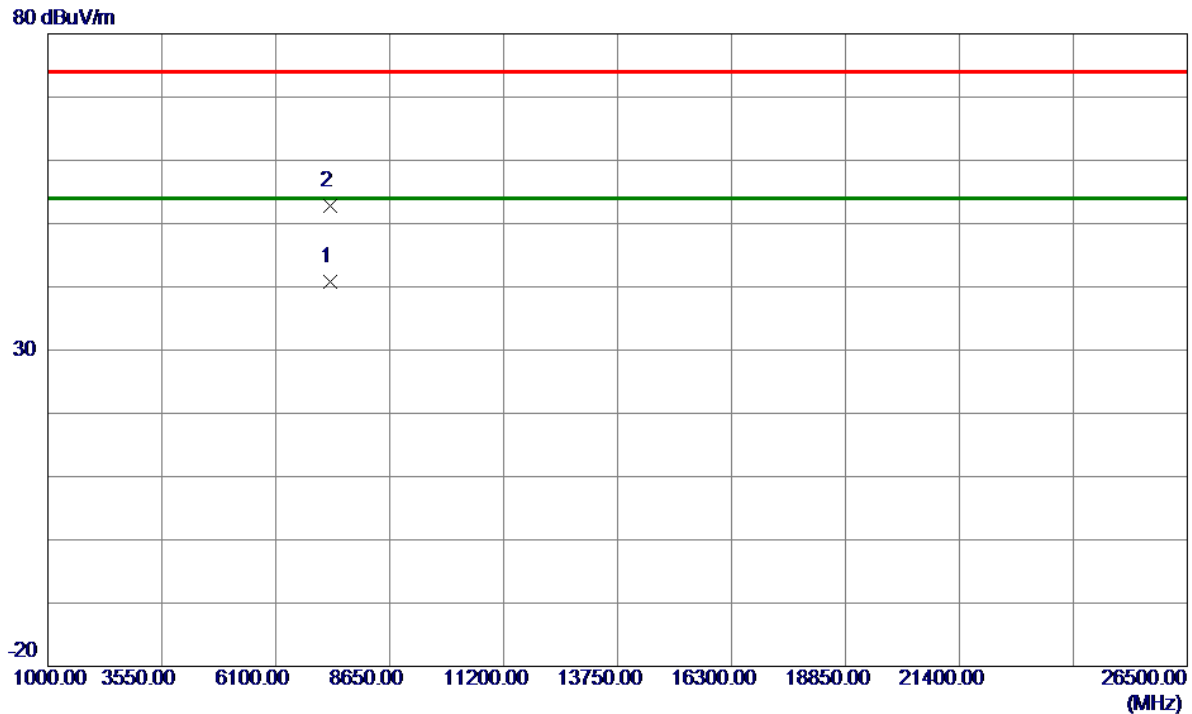
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.05	31.74	55.79	74.00	-18.21	Peak	
2	2390.0000	5.36	31.74	37.10	54.00	-16.90	AVG	
3	2439.2950	70.14	31.72	101.86	74.00	27.86	Peak	
4 *	2439.2950	62.58	31.72	94.30	54.00	40.30	AVG	
5	2483.5000	24.23	31.71	55.94	74.00	-18.06	Peak	
6	2483.5000	5.37	31.71	37.08	54.00	-16.92	AVG	

REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Horizontal



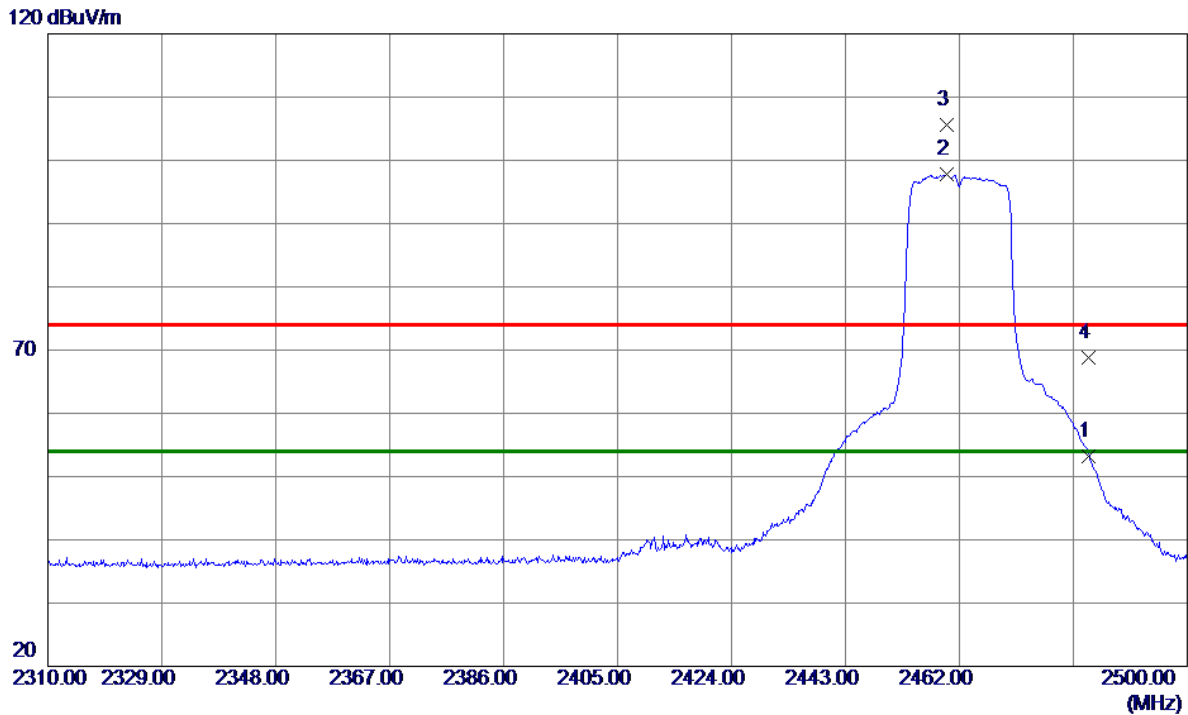
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7311.1930	44.95	-4.07	40.88	54.00	-13.12	AVG	
2	7312.5250	56.83	-4.07	52.76	74.00	-21.24	Peak	

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	21.44	31.71	53.15	54.00	-0.85	AVG	
2 *	2459.8150	66.01	31.71	97.72	54.00	43.72	AVG	
3	2459.8150	73.89	31.71	105.60	74.00	31.60	Peak	
4	2483.5000	37.18	31.71	68.89	74.00	-5.11	Peak	

REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Vertical



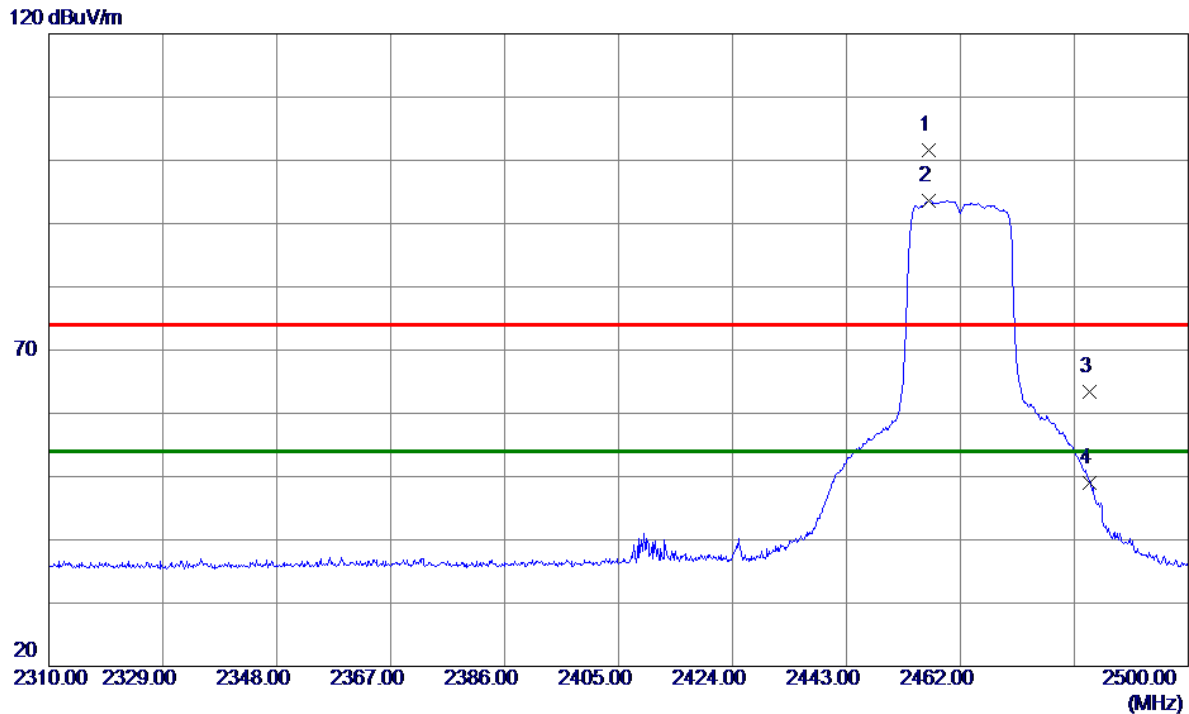
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4920.6250	54.99	-10.64	44.35	74.00	-29.65	Peak	
2 *	7387.7500	54.97	-3.98	50.99	74.00	-23.01	Peak	

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	2456.7750	69.93	31.71	101.64	74.00	27.64	Peak	
2 *	2456.7750	61.85	31.71	93.56	54.00	39.56	AVG	
3	2483.5000	31.60	31.71	63.31	74.00	-10.69	Peak	
4	2483.5000	17.20	31.71	48.91	54.00	-5.09	AVG	

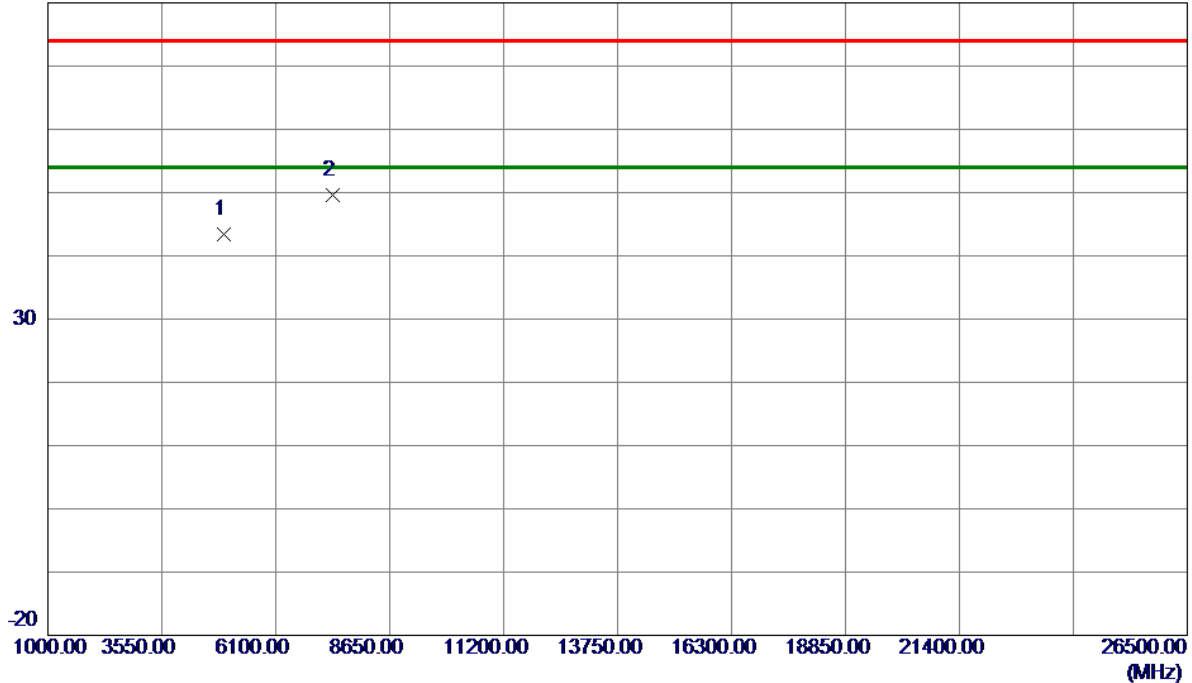
REMARKS:

- (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	4930.8250	54.06	-10.59	43.47	74.00	-30.53	Peak	
2 *	7385.2000	53.66	-3.98	49.68	74.00	-24.32	Peak	

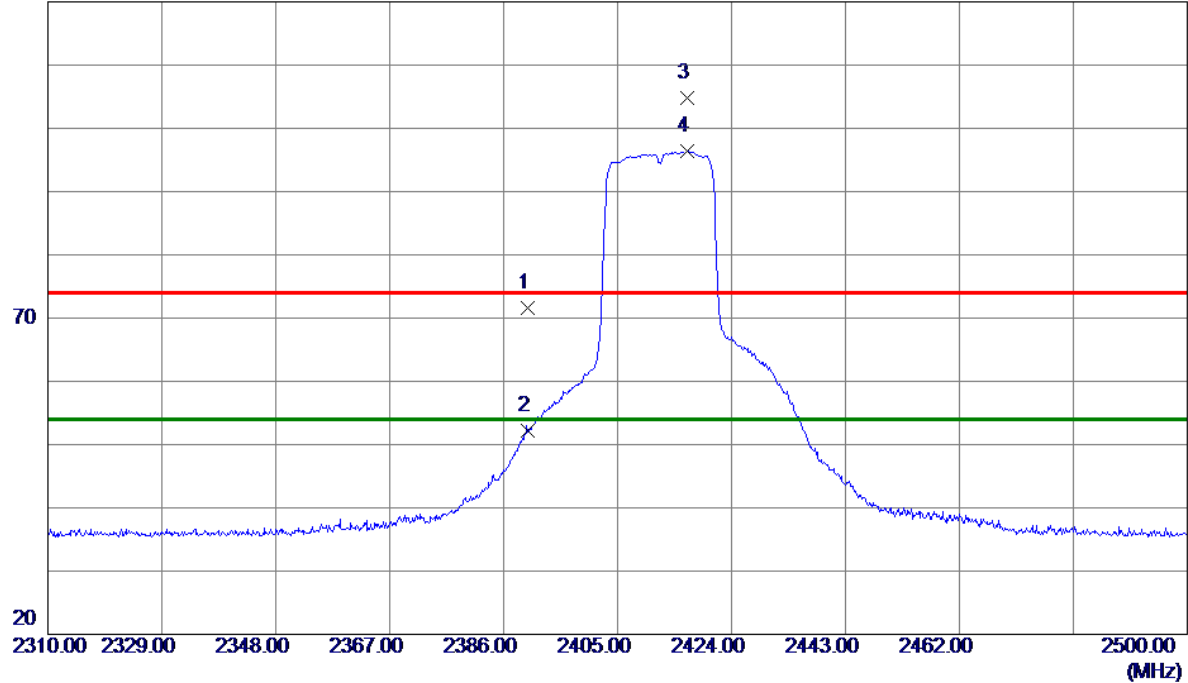
REMARKS:

- (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	39.80	31.74	71.54	74.00	-2.46	Peak	
2	2390.0000	20.41	31.74	52.15	54.00	-1.85	AVG	
3	2416.5900	73.12	31.72	104.84	74.00	30.84	Peak	
4 *	2416.5900	64.68	31.72	96.40	54.00	42.40	AVG	

REMARKS:

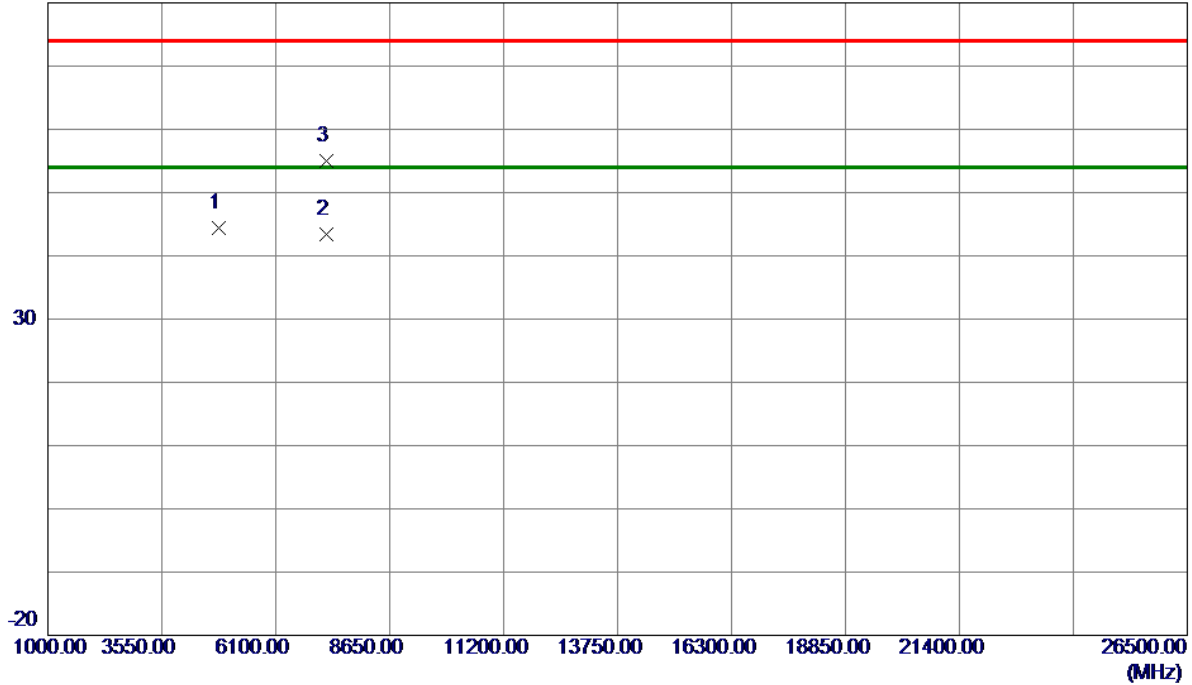
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode: TX N-20M Mode 2412 MHz

Vertical

80 dBuV/m



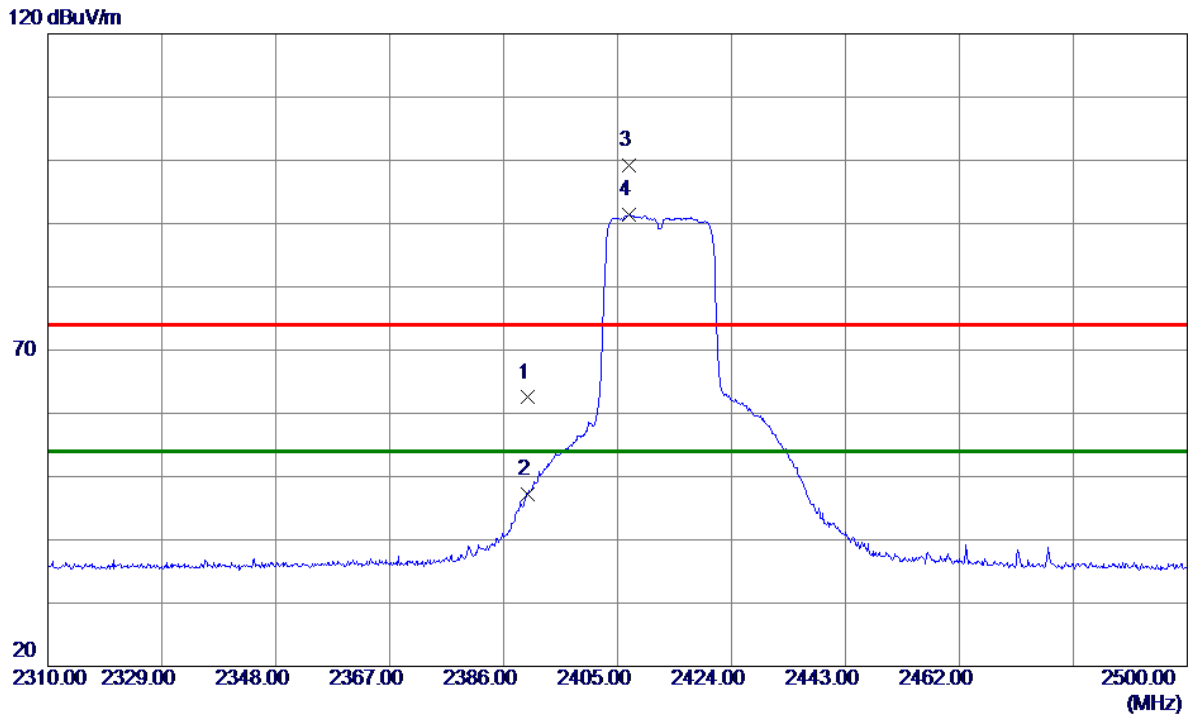
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4818.6250	55.26	-10.92	44.34	74.00	-29.66	Peak	
2 *	7234.1530	47.64	-4.17	43.47	54.00	-10.53	AVG	
3	7236.0250	59.10	-4.17	54.93	74.00	-19.07	Peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Horizontal



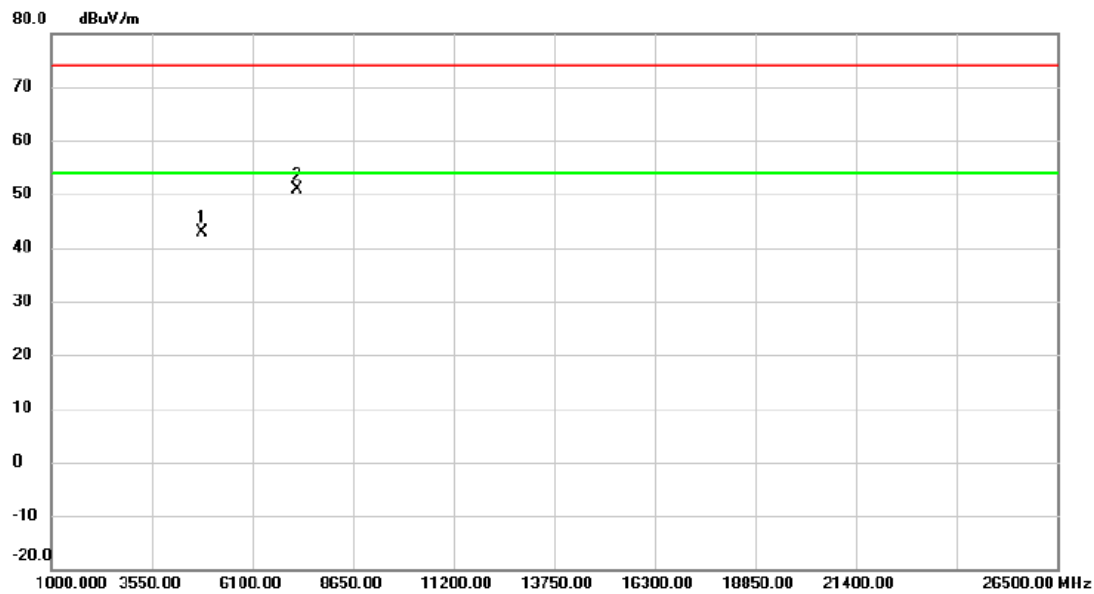
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	30.76	31.74	62.50	74.00	-11.50	Peak	
2	2390.0000	15.46	31.74	47.20	54.00	-6.80	AVG	
3	2406.9950	67.51	31.72	99.23	74.00	25.23	Peak	
4 *	2406.9950	59.64	31.72	91.36	54.00	37.36	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Horizontal



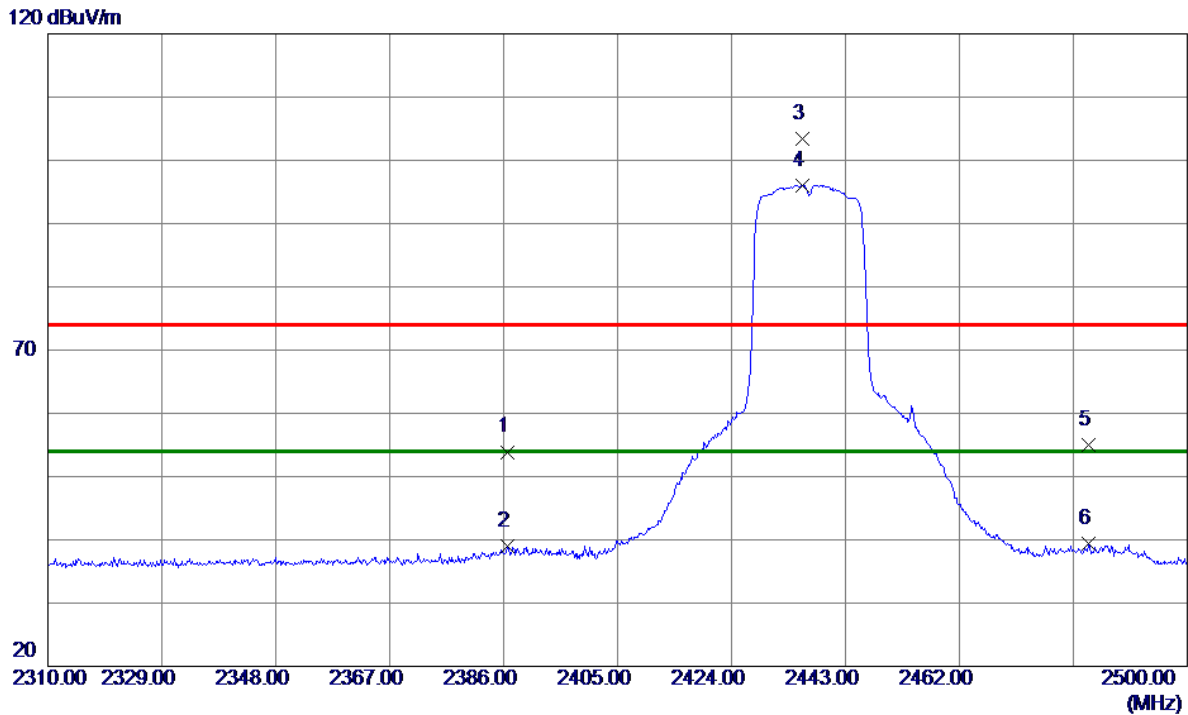
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4833.925	53.87	-10.89	42.98	74.00	-31.02	peak	
2	*	7228.375	55.17	-4.18	50.99	74.00	-23.01	peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Vertical



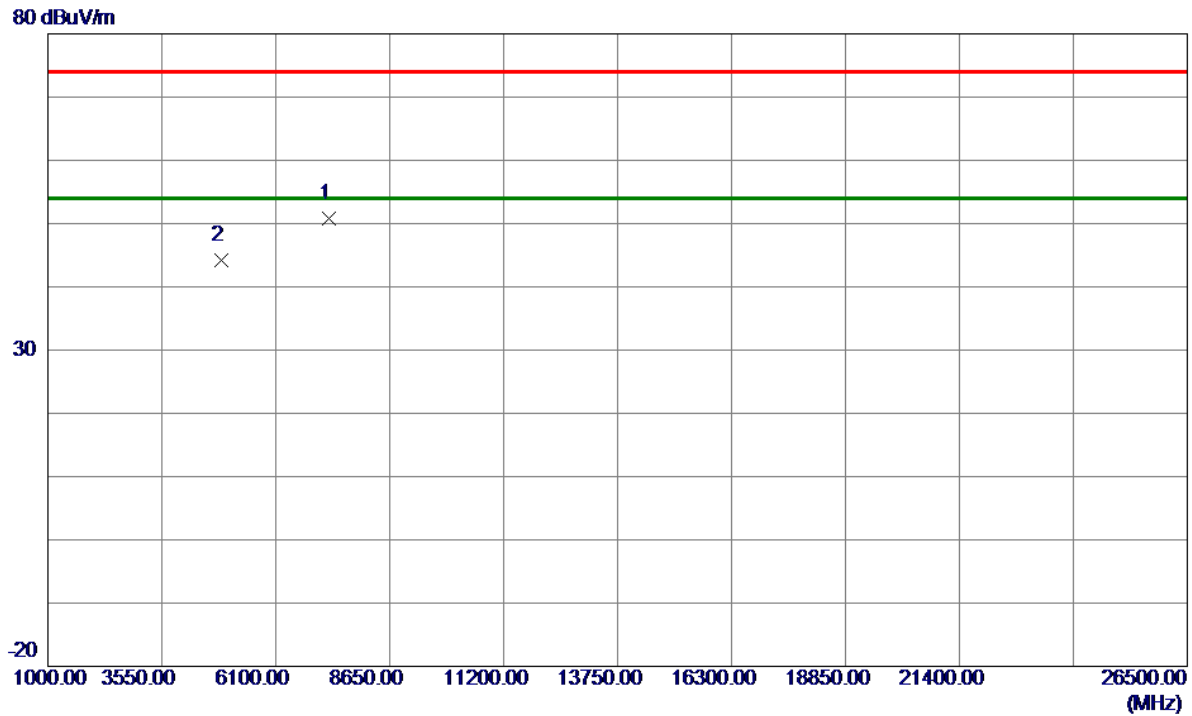
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2386.6650	22.15	31.75	53.90	74.00	-20.10	Peak	
2	2386.6650	7.28	31.75	39.03	54.00	-14.97	AVG	
3	2435.8750	71.73	31.72	103.45	74.00	29.45	Peak	
4 *	2435.8750	64.37	31.72	96.09	54.00	42.09	AVG	
5	2483.5650	23.21	31.71	54.92	74.00	-19.08	Peak	
6	2483.5650	7.63	31.71	39.34	54.00	-14.66	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Vertical



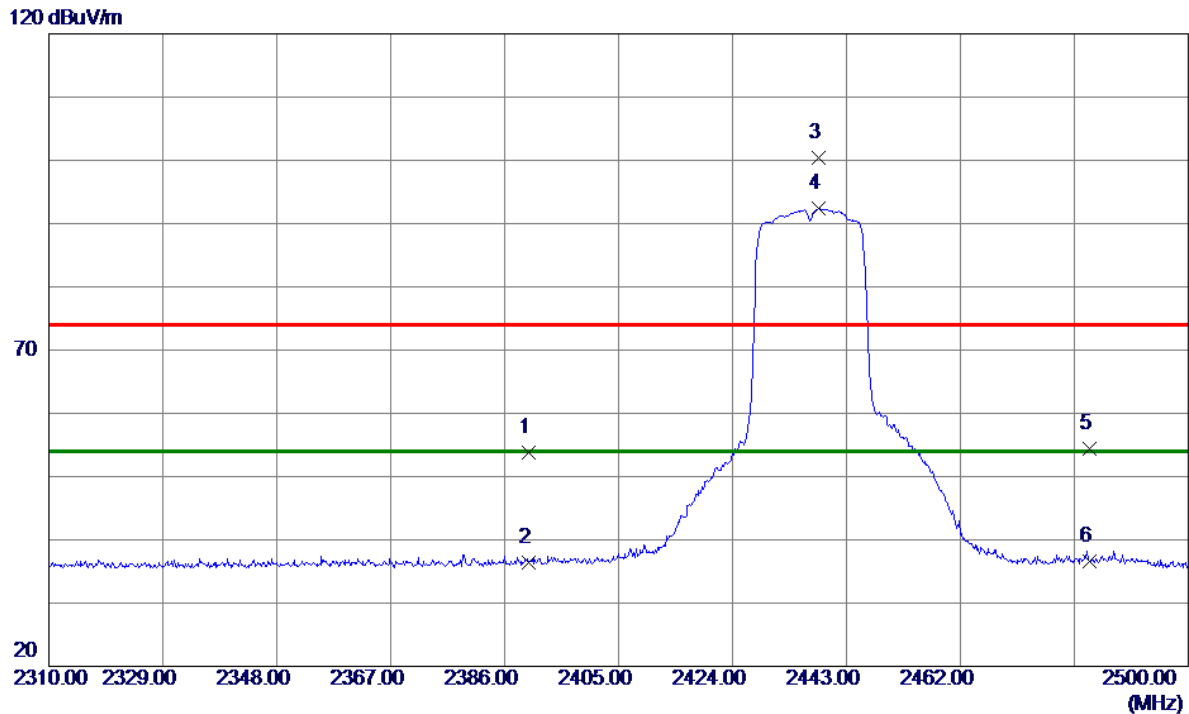
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7303.6000	54.88	-4.08	50.80	74.00	-23.20	Peak	
2	4872.1750	55.04	-10.80	44.24	74.00	-29.76	Peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Horizontal



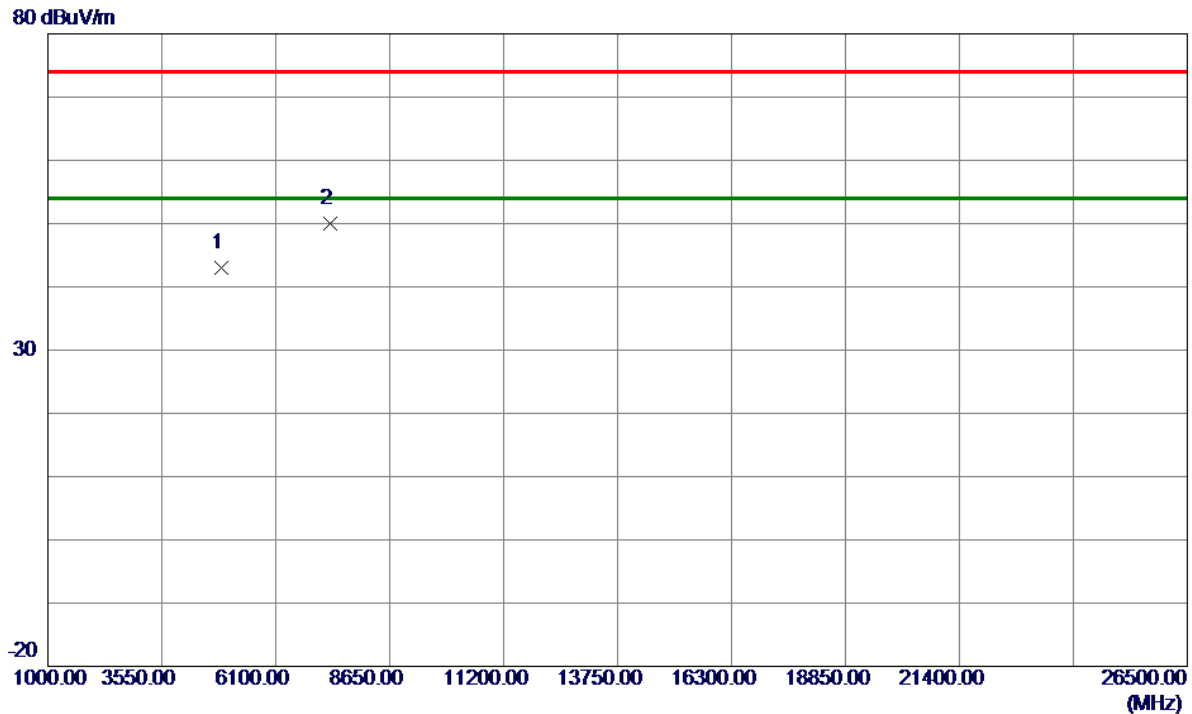
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	22.03	31.74	53.77	74.00	-20.23	Peak	
2	2390.0000	4.62	31.74	36.36	54.00	-17.64	AVG	
3	2438.3450	68.62	31.72	100.34	74.00	26.34	Peak	
4 *	2438.3450	60.63	31.72	92.35	54.00	38.35	AVG	
5	2483.5000	22.64	31.71	54.35	74.00	-19.65	Peak	
6	2483.5000	4.91	31.71	36.62	54.00	-17.38	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Horizontal



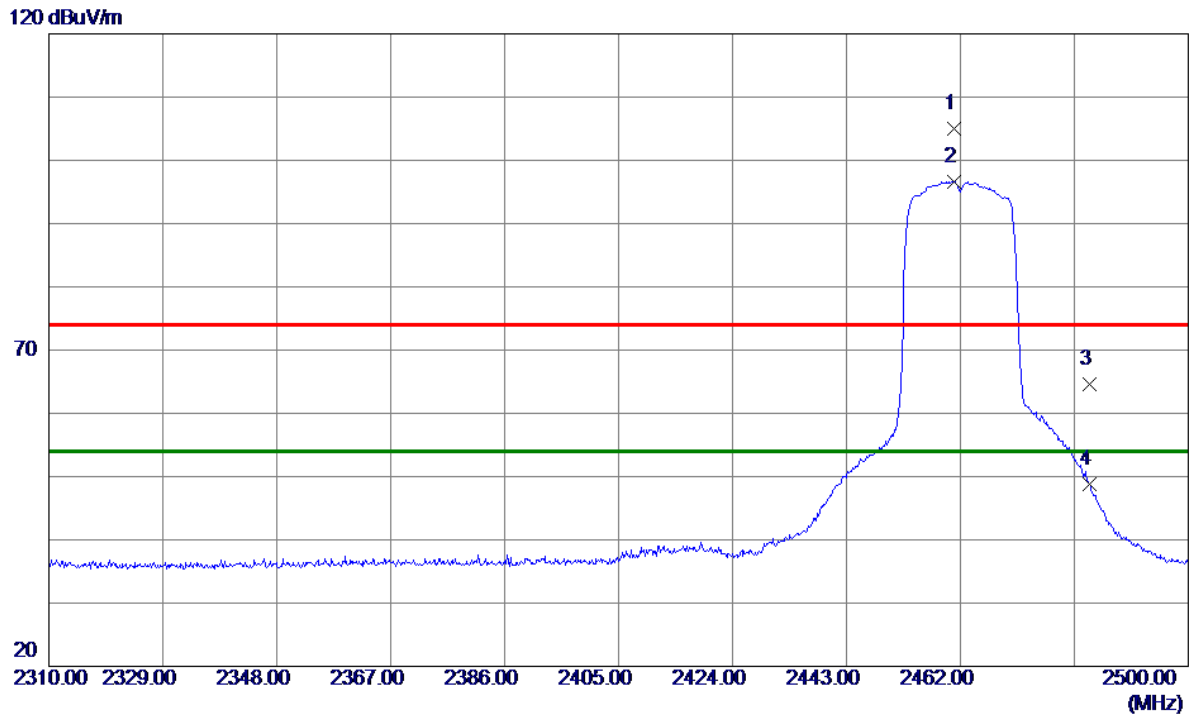
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4876.0000	53.77	-10.79	42.98	74.00	-31.02	Peak	
2 *	7313.8000	54.10	-4.07	50.03	74.00	-23.97	Peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2460.8600	73.39	31.71	105.10	74.00	31.10	Peak	
2 *	2460.8600	64.95	31.71	96.66	54.00	42.66	AVG	
3	2483.5000	32.93	31.71	64.64	74.00	-9.36	Peak	
4	2483.5000	17.11	31.71	48.82	54.00	-5.18	AVG	

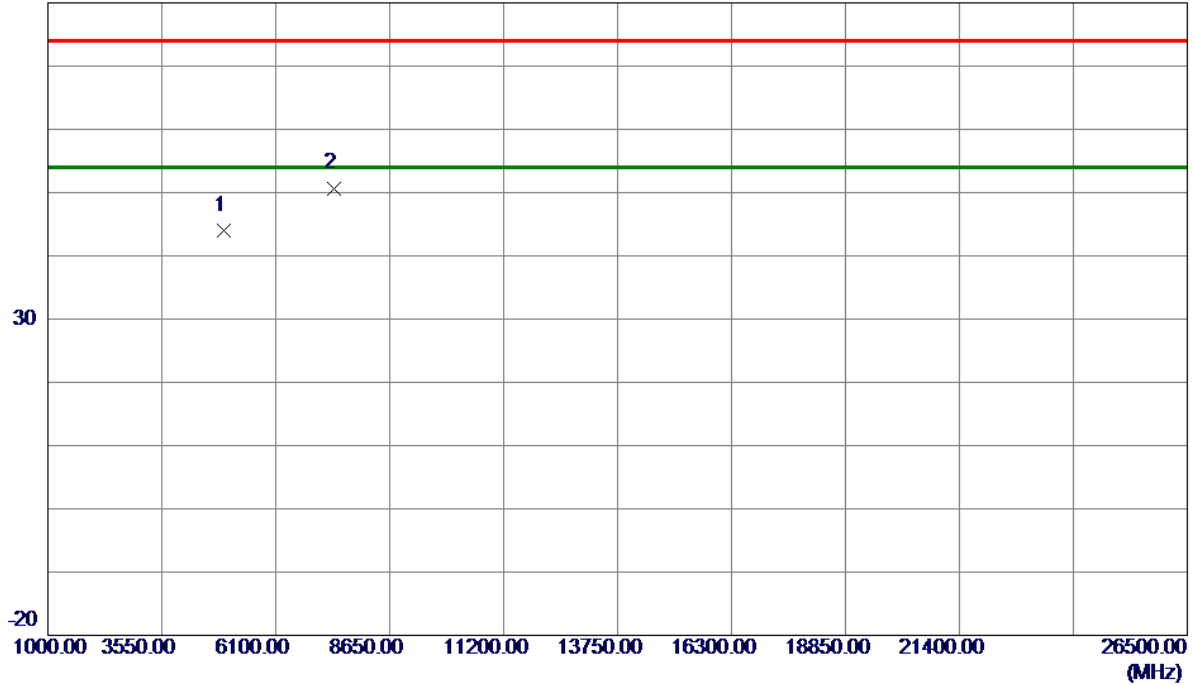
REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Vertical

80 dBuV/m



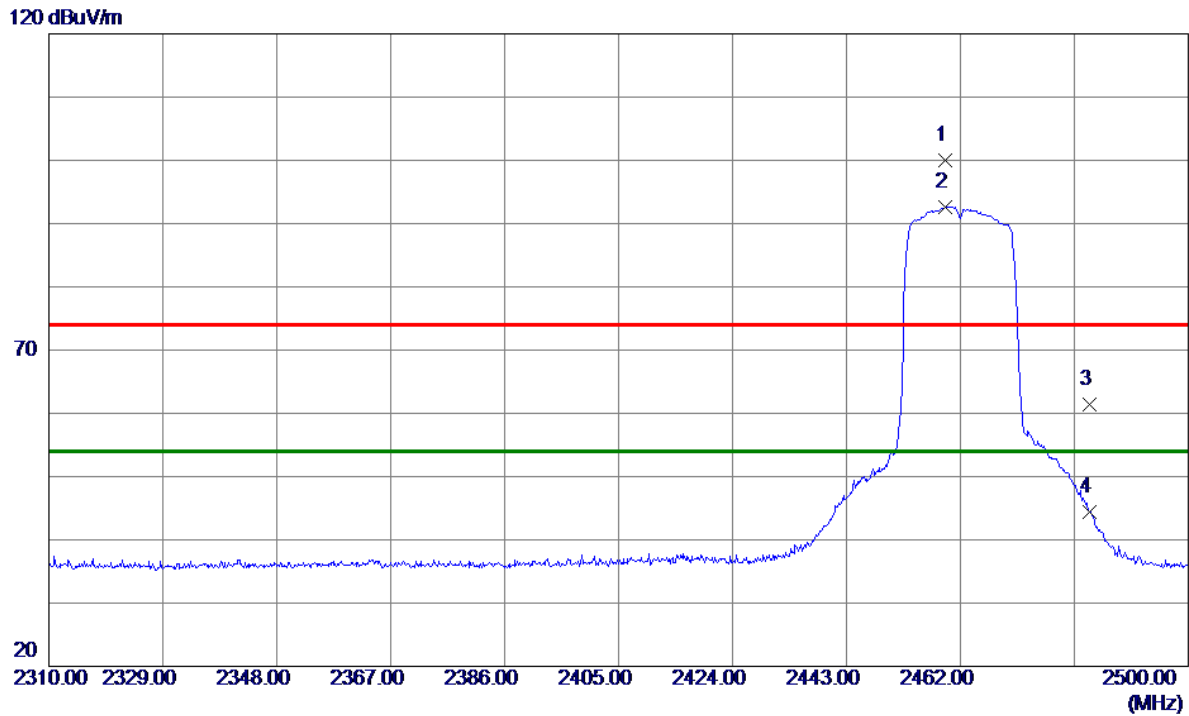
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4928.2750	54.63	-10.61	44.02	74.00	-29.98	Peak	
2 *	7395.4000	54.67	-3.97	50.70	74.00	-23.30	Peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Horizontal



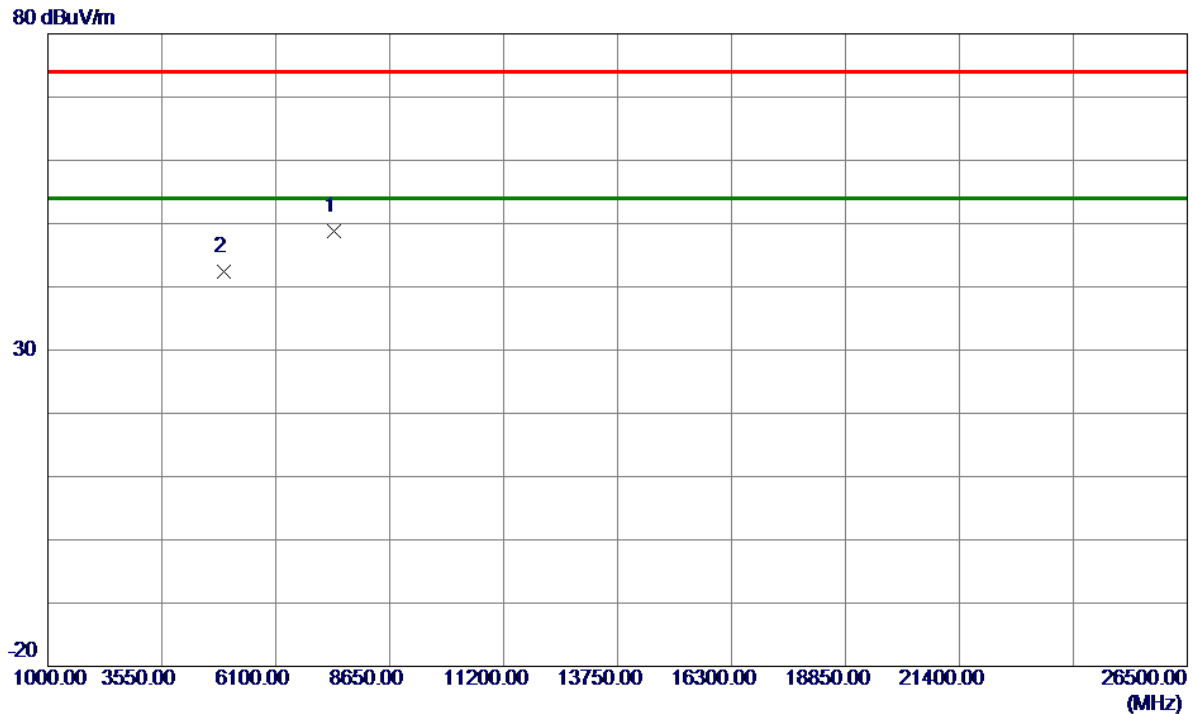
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2459.5300	68.38	31.71	100.09	74.00	26.09	Peak	
2 *	2459.5300	60.94	31.71	92.65	54.00	38.65	AVG	
3	2483.5000	29.73	31.71	61.44	74.00	-12.56	Peak	
4	2483.5000	12.60	31.71	44.31	54.00	-9.69	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Horizontal



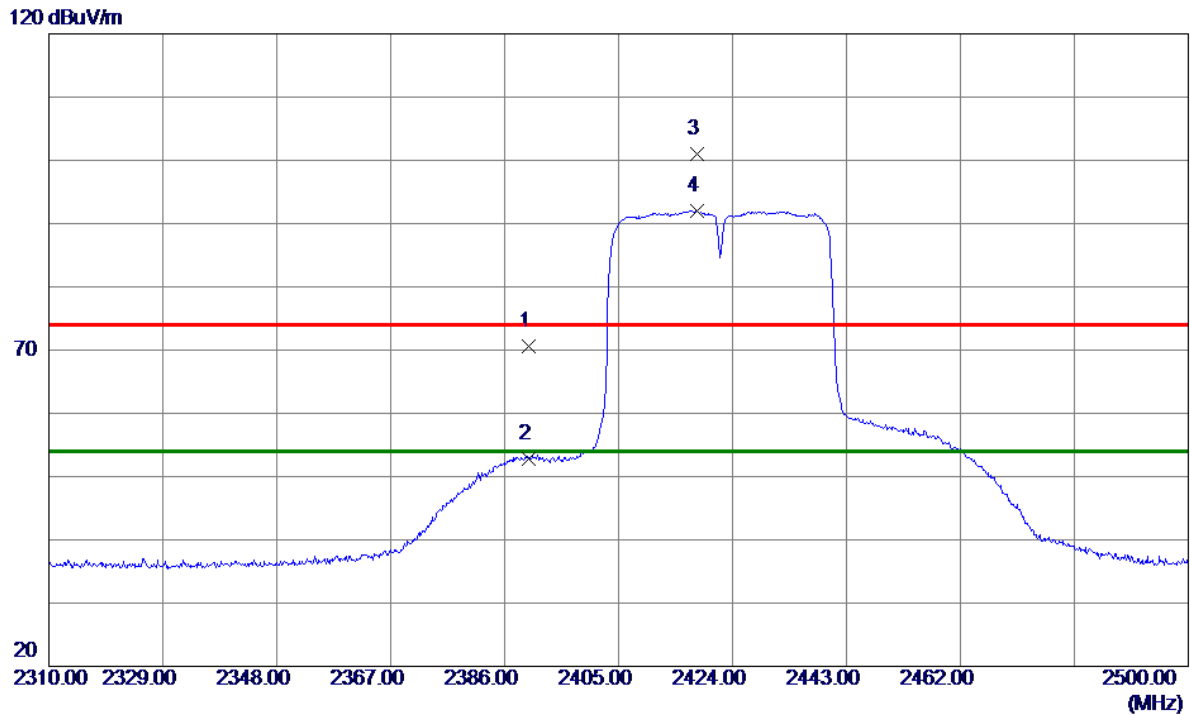
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7391.5750	52.83	-3.97	48.86	74.00	-25.14	Peak	
2	4932.1000	52.97	-10.59	42.38	74.00	-31.62	Peak	

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	38.88	31.74	70.62	74.00	-3.38	Peak	
2	2390.0000	20.97	31.74	52.71	54.00	-1.29	AVG	
3	2418.1100	69.20	31.72	100.92	74.00	26.92	Peak	
4 *	2418.1100	60.35	31.72	92.07	54.00	38.07	AVG	

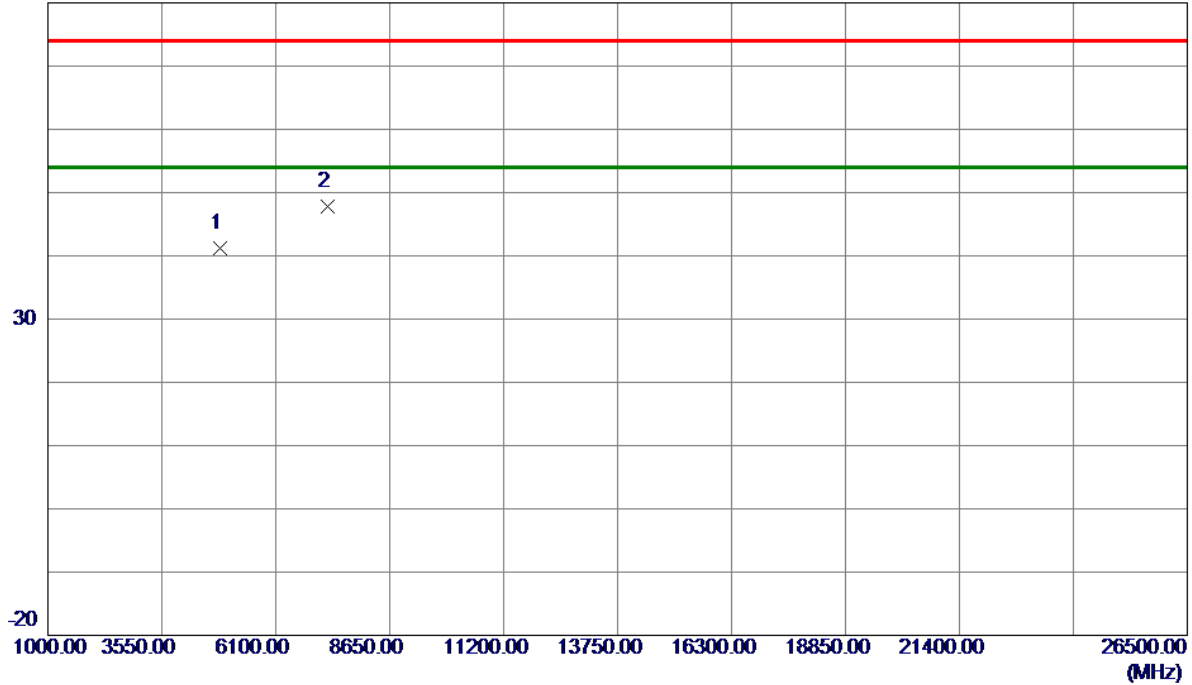
REMARKS:

- (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



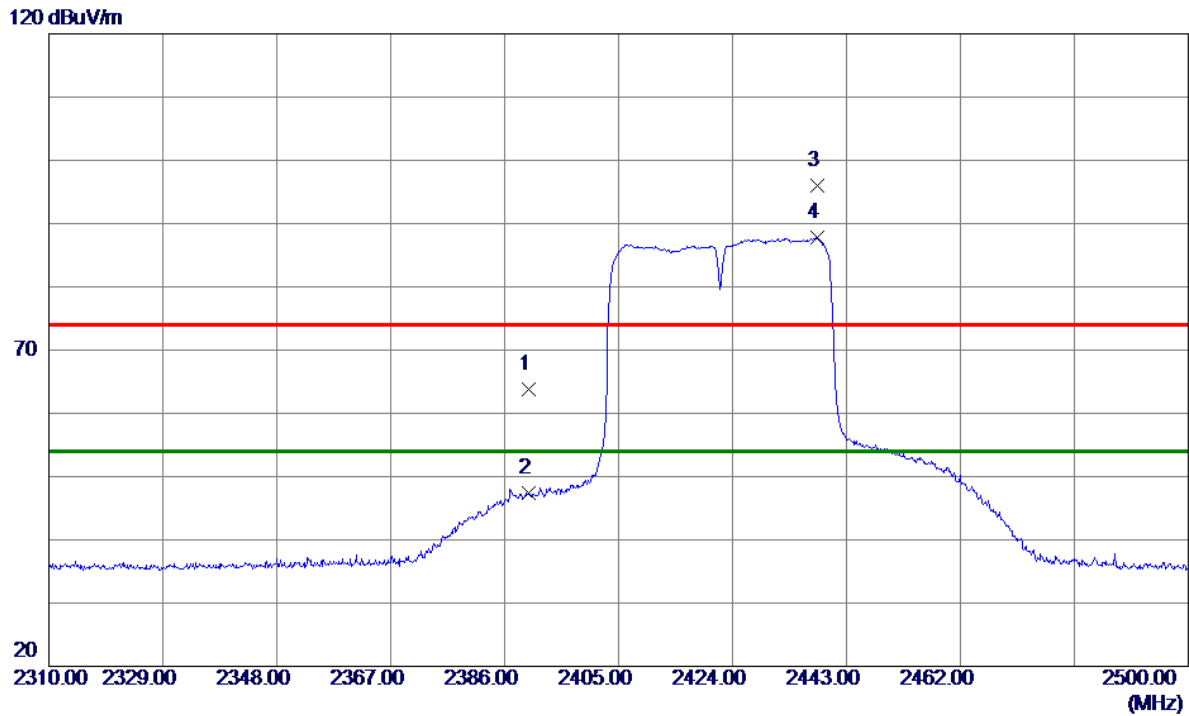
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4851.7750	52.00	-10.84	41.16	74.00	-32.84	Peak	
2 *	7264.0750	51.95	-4.13	47.82	74.00	-26.18	Peak	

REMARKS:

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

Test Mode: TX N-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	32.11	31.74	63.85	74.00	-10.15	Peak	
2	2390.0000	15.72	31.74	47.46	54.00	-6.54	AVG	
3	2438.0600	64.31	31.72	96.03	74.00	22.03	Peak	
4 *	2438.0600	56.01	31.72	87.73	54.00	33.73	AVG	

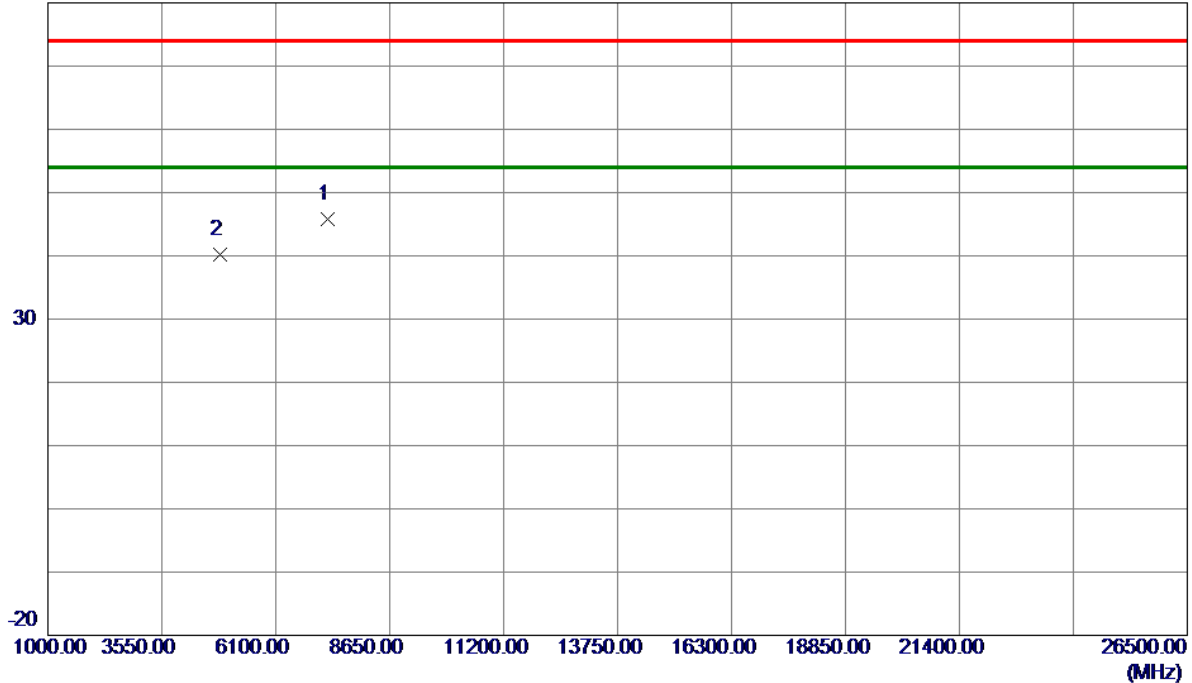
REMARKS:

- (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



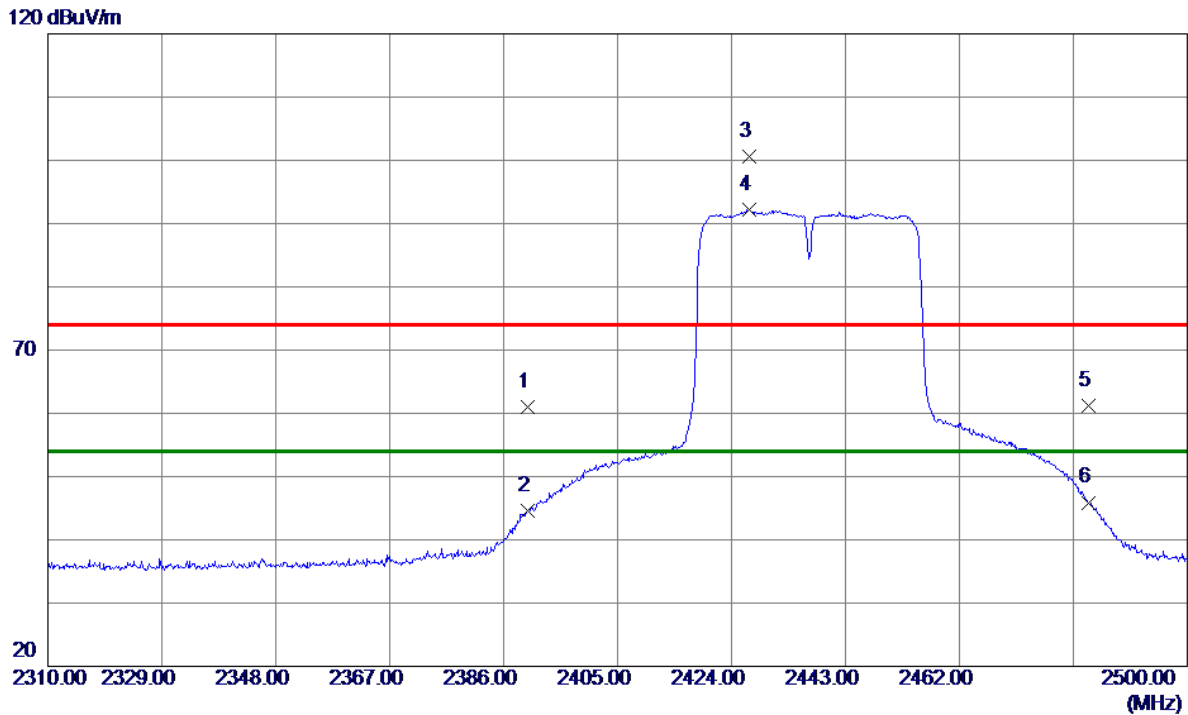
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7251.3250	49.87	-4.15	45.72	74.00	-28.28	Peak	
2	4840.3000	51.00	-10.87	40.13	74.00	-33.87	Peak	

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	2390.0000	29.30	31.74	61.04	74.00	-12.96	Peak	
2	2390.0000	12.80	31.74	44.54	54.00	-9.46	AVG	
3	2426.9450	68.96	31.72	100.68	74.00	26.68	Peak	
4 *	2426.9450	60.41	31.72	92.13	54.00	38.13	AVG	
5	2483.5000	29.45	31.71	61.16	74.00	-12.84	Peak	
6	2483.5000	14.19	31.71	45.90	54.00	-8.10	AVG	

REMARKS:

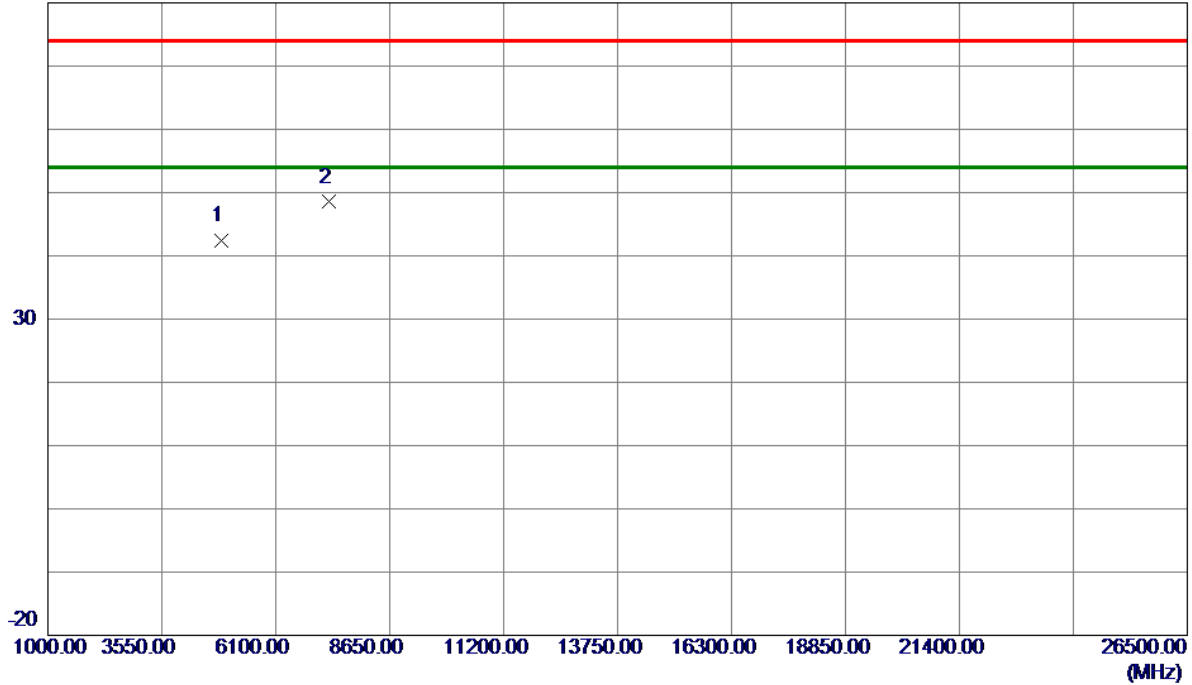
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode: TX N-40M Mode 2437 MHz

Vertical

80 dBuV/m



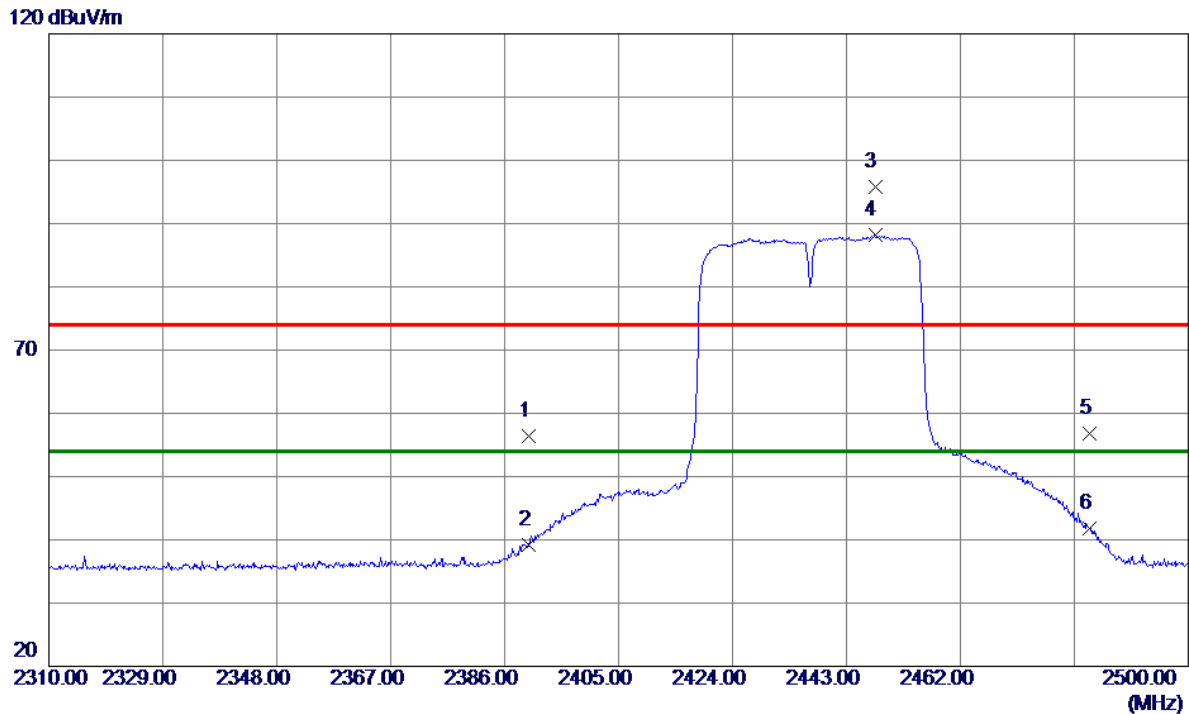
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4870.9000	53.16	-10.80	42.36	74.00	-31.64	Peak	
2 *	7302.3250	52.59	-4.09	48.50	74.00	-25.50	Peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Horizontal



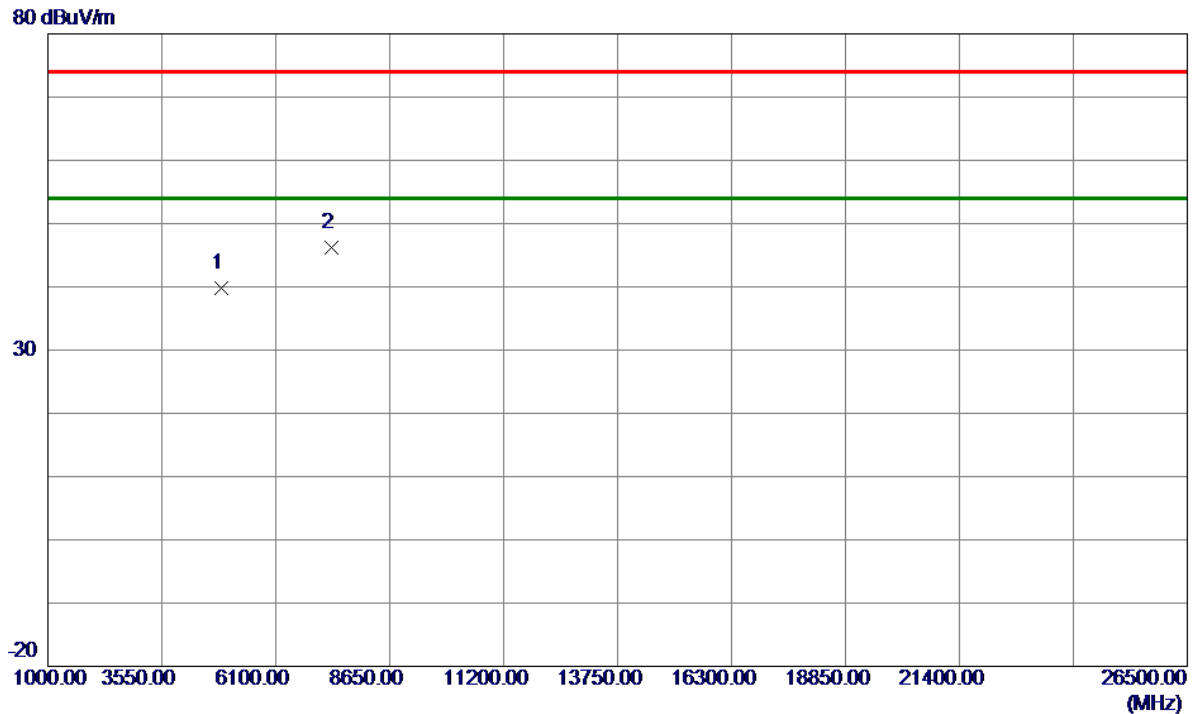
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.66	31.74	56.40	74.00	-17.60	Peak	
2	2390.0000	7.38	31.74	39.12	54.00	-14.88	AVG	
3	2447.7500	64.14	31.72	95.86	74.00	21.86	Peak	
4 *	2447.7500	56.40	31.72	88.12	54.00	34.12	AVG	
5	2483.5000	25.16	31.71	56.87	74.00	-17.13	Peak	
6	2483.5000	10.09	31.71	41.80	54.00	-12.20	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Horizontal



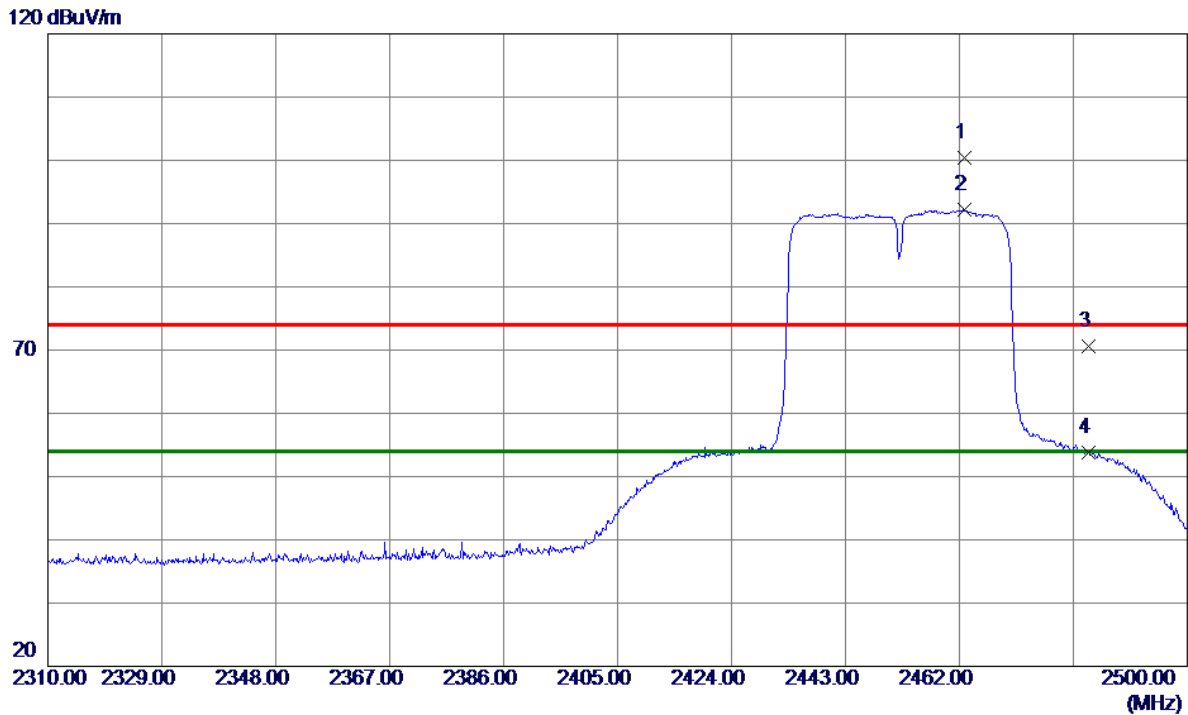
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0000	50.67	-10.79	39.88	74.00	-34.12	Peak	
2 *	7336.7500	50.29	-4.04	46.25	74.00	-27.75	Peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

Vertical



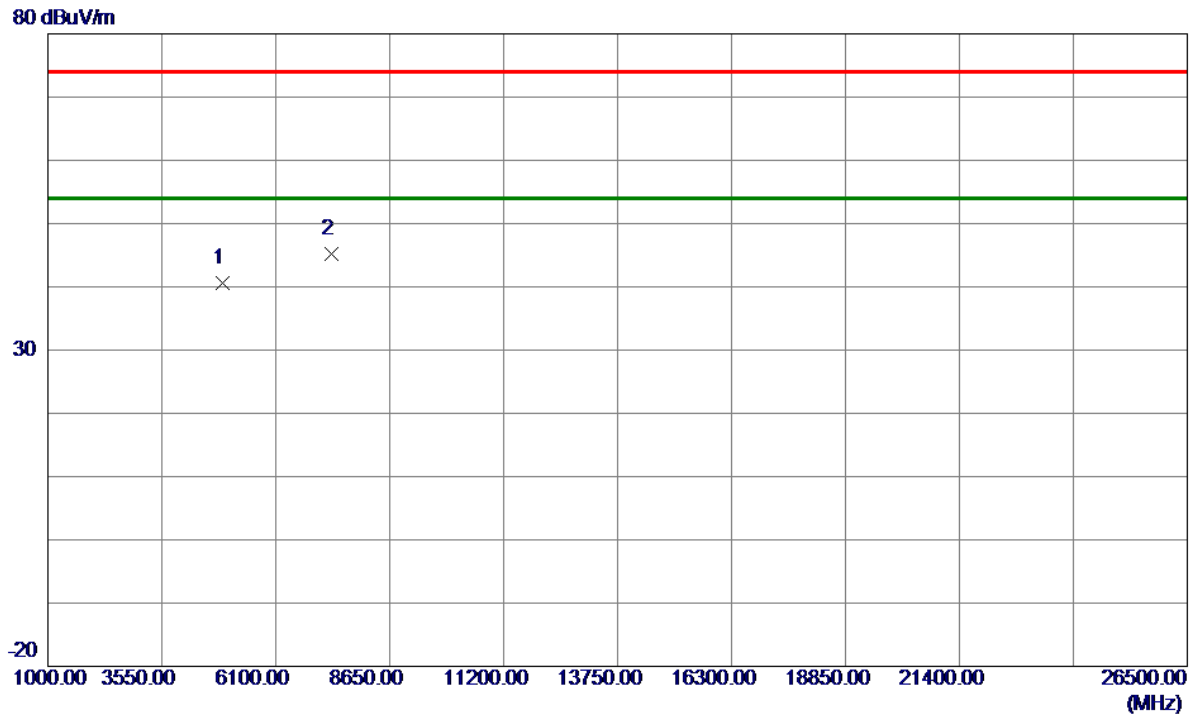
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2462.8550	68.74	31.71	100.45	74.00	26.45	Peak	
2 *	2462.8550	60.49	31.71	92.20	54.00	38.20	AVG	
3	2483.5000	38.97	31.71	70.68	74.00	-3.32	Peak	
4	2483.5000	22.04	31.71	53.75	54.00	-0.25	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



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4904.0000	51.31	-10.72	40.59	74.00	-33.41	Peak	
2 *	7356.0000	49.15	-4.02	45.13	74.00	-28.87	Peak	

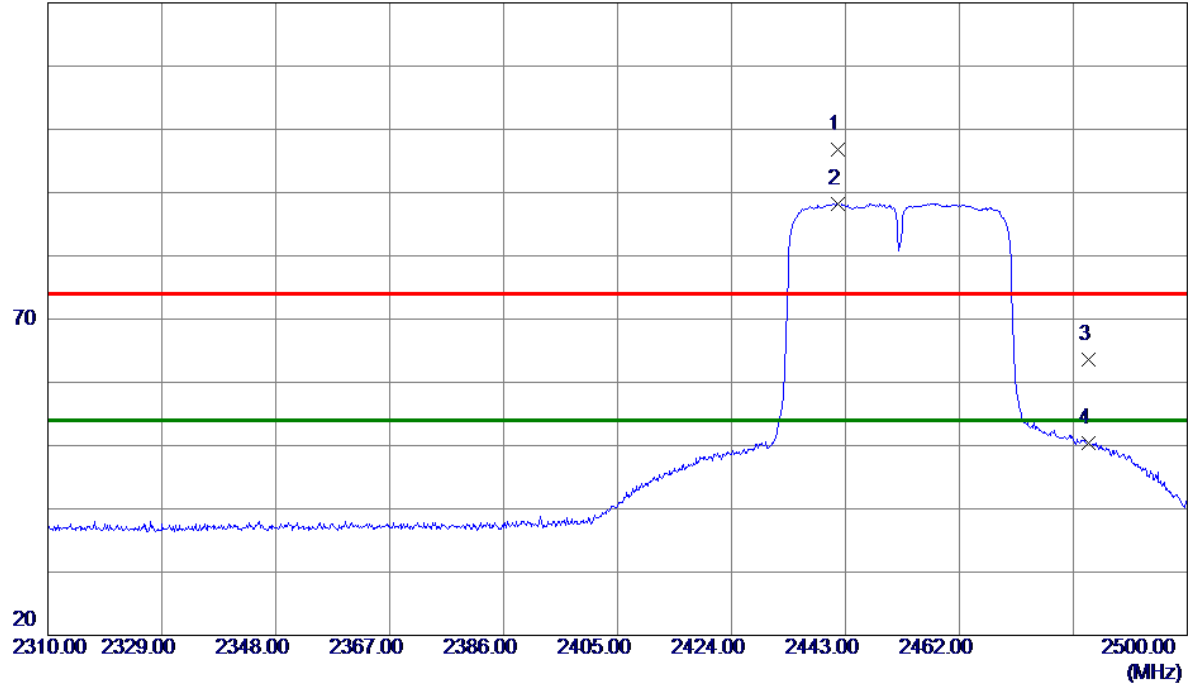
REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

Horizontal

120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2441.6700	65.12	31.72	96.84	74.00	22.84	Peak	
2 *	2441.6700	56.56	31.72	88.28	54.00	34.28	AVG	
3	2483.5000	31.82	31.71	63.53	74.00	-10.47	Peak	
4	2483.5000	18.72	31.71	50.43	54.00	-3.57	AVG	

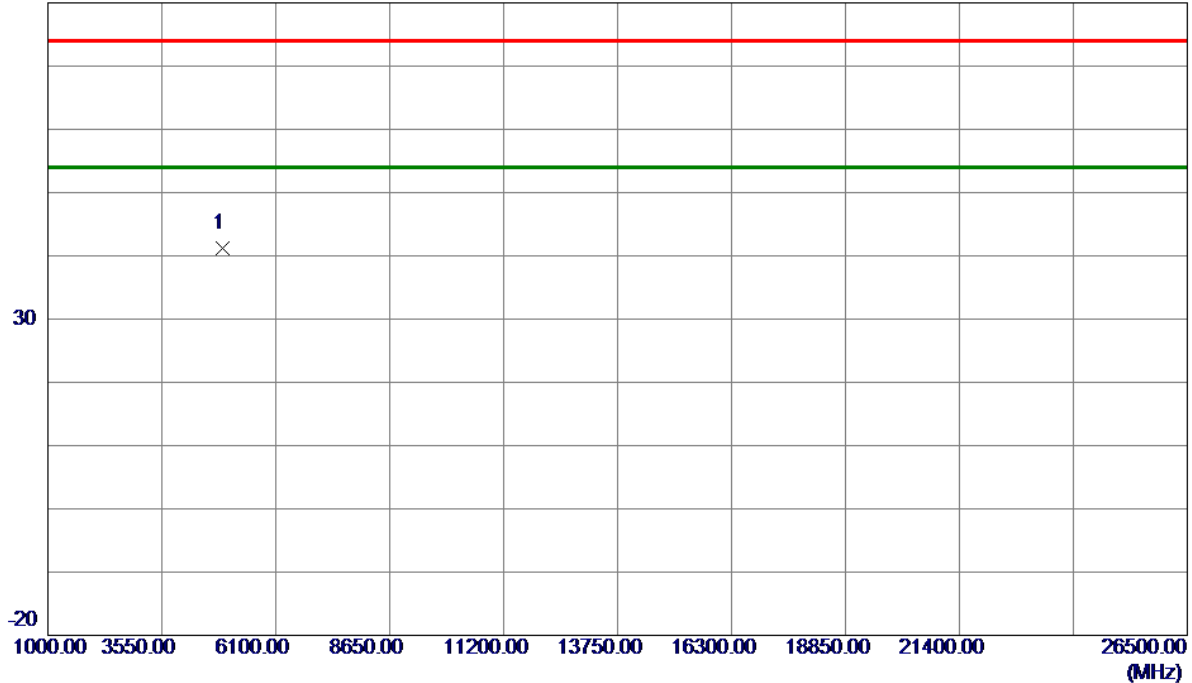
REMARKS:

- (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 *	4911.7000	51.88	-10.68	41.20	74.00	-32.80	Peak	

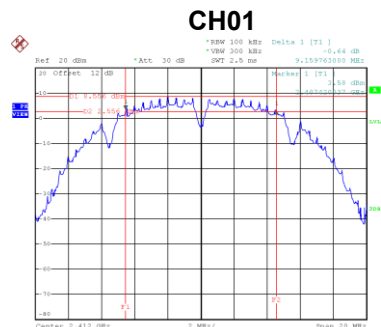
REMARKS:

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

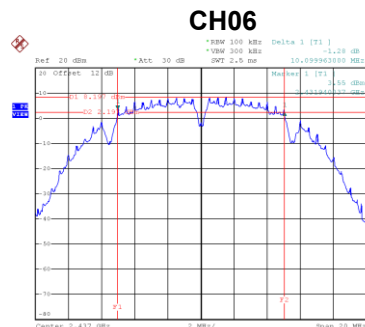
APPENDIX E - BANDWIDTH

Test Mode	TX B Mode
-----------	-----------

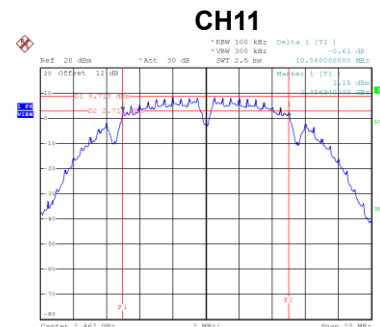
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	9.16	500	Complies
06	2437	10.10	500	Complies
11	2462	10.06	500	Complies



Date: 24.NOV.2020 12:20:21

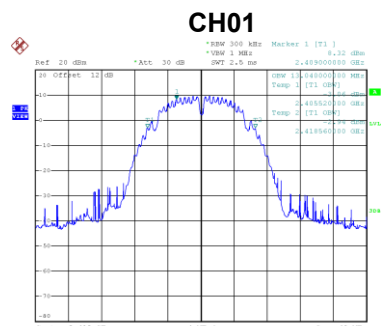


Date: 24.NOV.2020 12:23:50

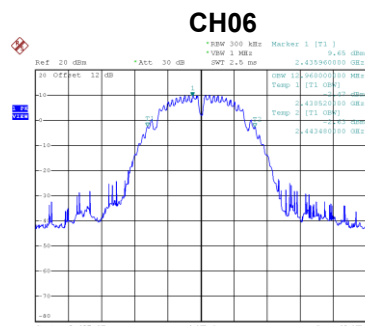


Date: 24.NOV.2020 12:25:22

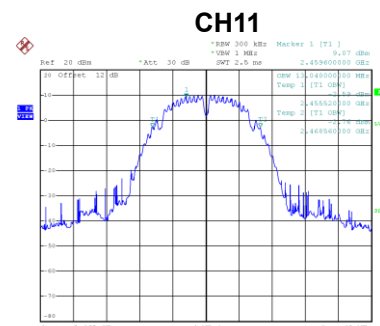
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	13.04	Complies
06	2437	12.96	Complies
11	2462	13.04	Complies



Date: 24.NOV.2020 12:20:28



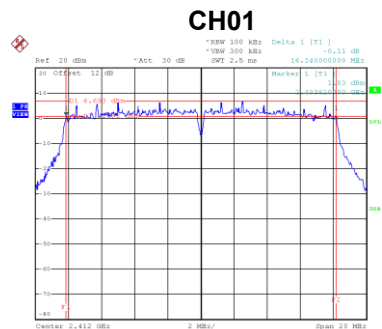
Date: 24.NOV.2020 12:23:57



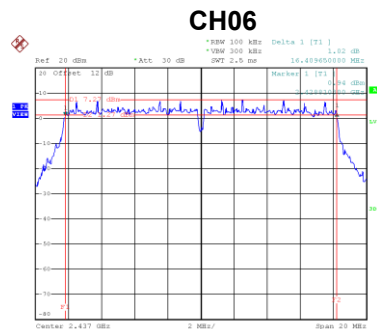
Date: 24.NOV.2020 12:25:29

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

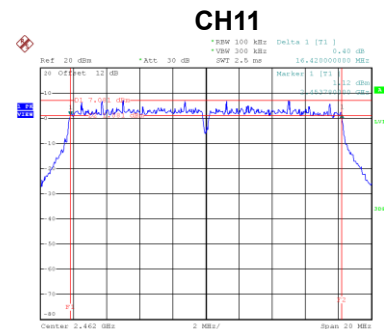
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	16.34	500	Complies
06	2437	16.41	500	Complies
11	2462	16.42	500	Complies



Date: 24.NOV.2020 12:126137

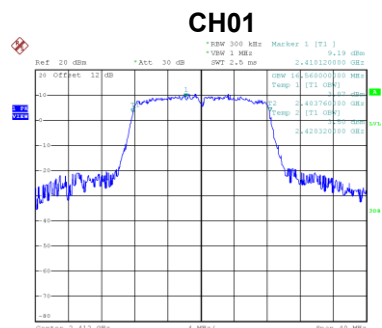


Date: 24.NOV.2020 12:128124

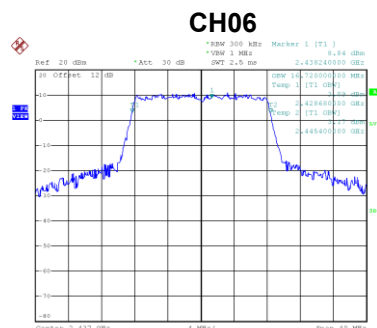


Date: 24.NOV.2020 12:129150

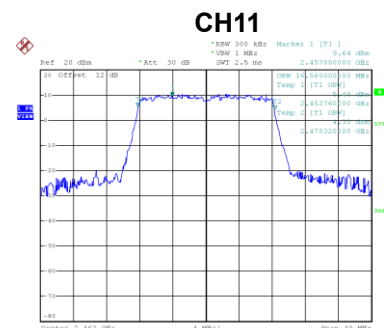
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	16.56	Complies
06	2437	16.72	Complies
11	2462	16.56	Complies



Date: 24.NOV.2020 12:126144



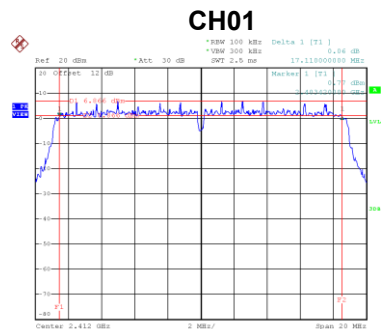
Date: 24.NOV.2020 12:128131



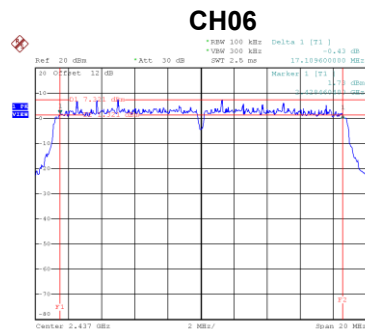
Date: 24.NOV.2020 12:129157

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

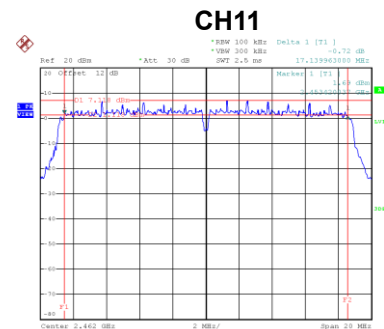
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	17.11	500	Complies
06	2437	17.11	500	Complies
11	2462	17.14	500	Complies



Date: 24.NOV.2020 12:31:36

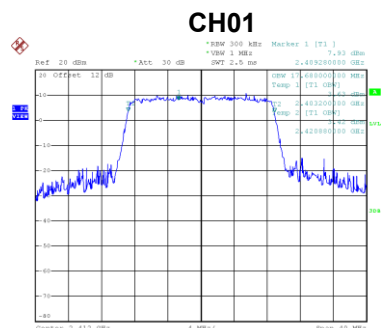


Date: 24.NOV.2020 12:31:17

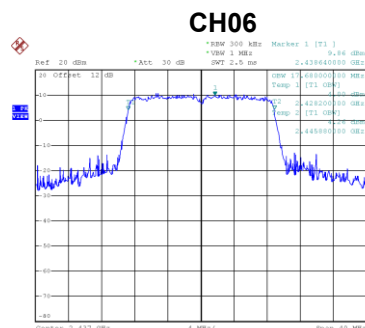


Date: 24.NOV.2020 12:36:12

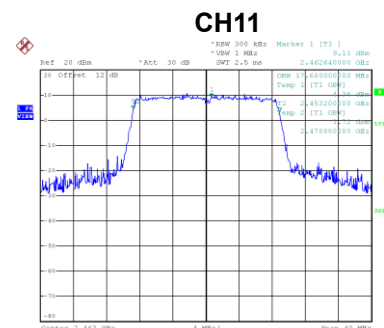
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	17.68	Complies
06	2437	17.68	Complies
11	2462	17.68	Complies



Date: 24.NOV.2020 12:31:43



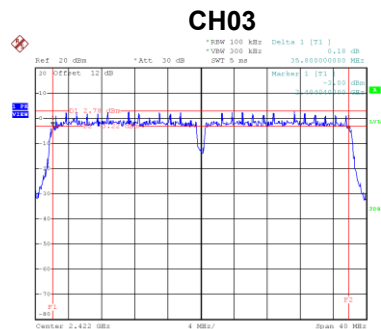
Date: 24.NOV.2020 12:33:23



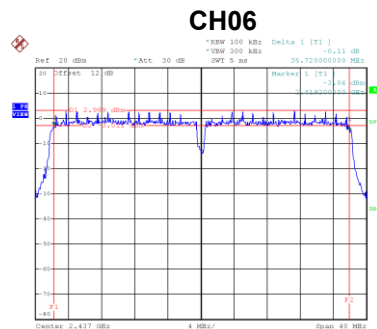
Date: 24.NOV.2020 12:36:19

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

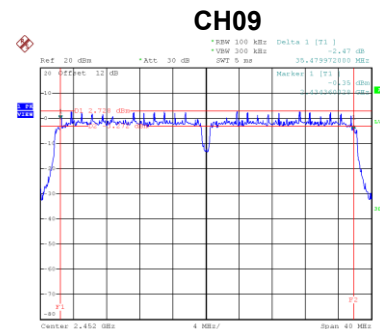
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
03	2422	35.80	500	Complies
06	2437	35.72	500	Complies
09	2452	35.48	500	Complies



Date: 24.NOV.2020 12:37:19

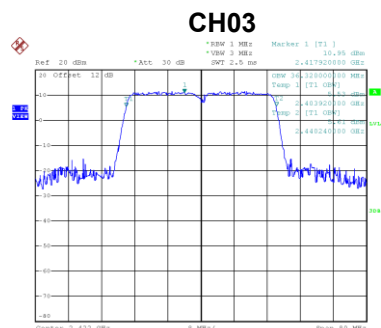


Date: 24.NOV.2020 12:38:31

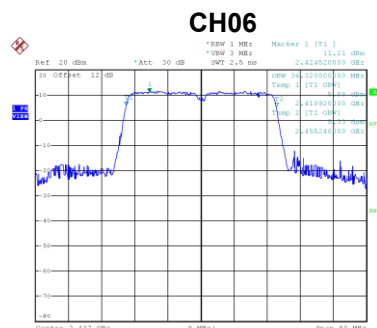


Date: 24.NOV.2020 12:39:42

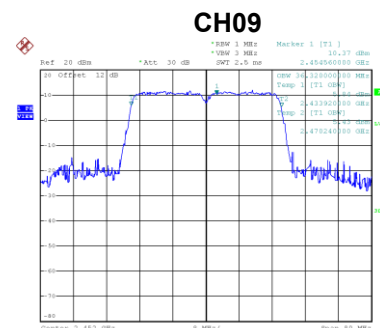
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
03	2422	36.32	Complies
06	2437	36.32	Complies
09	2452	36.32	Complies



Date: 24.NOV.2020 12:37:26



Date: 24.NOV.2020 12:38:38



Date: 24.NOV.2020 12:39:49

APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	TX B Mode
-----------	-----------

Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (W)	Max. Limit (W)	Result
01	2412	18.40	0.0692	1.0000	Complies
06	2437	18.96	0.0787	1.0000	Complies
11	2462	18.95	0.0785	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (W)	Max. Limit (W)	Result
01	2412	24.73	0.2972	1.0000	Complies
06	2437	24.49	0.2812	1.0000	Complies
11	2462	24.79	0.3013	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (W)	Max. Limit (W)	Result
01	2412	24.50	0.2818	1.0000	Complies
06	2437	24.73	0.2972	1.0000	Complies
11	2462	24.69	0.2944	1.0000	Complies

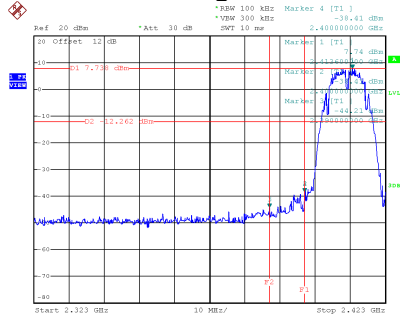
Test Mode	TX N-40M Mode
-----------	---------------

Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (W)	Max. Limit (W)	Result
03	2422	24.09	0.2564	1.0000	Complies
06	2437	24.27	0.2673	1.0000	Complies
09	2452	24.37	0.2735	1.0000	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

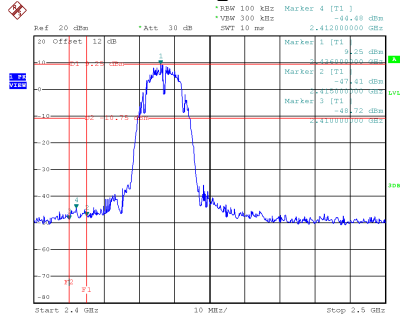
Test Mode TX B Mode

Bandedge-CH01



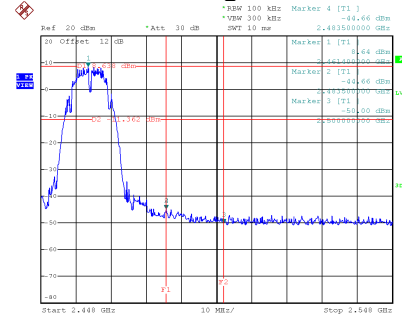
Date: 24.NOV.2020 12:20:35

Bandedge-CH06



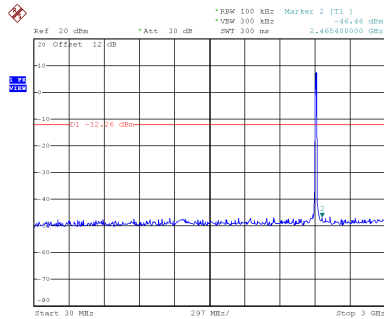
Date: 24.NOV.2020 12:24:04

Bandedge-CH11

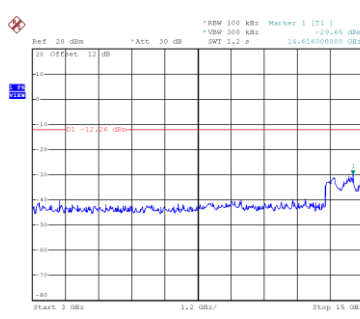


Date: 24.NOV.2020 12:25:36

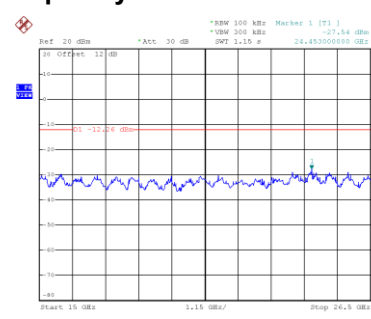
CH01 – 10th Harmonic of the fundamental frequency



Date: 24.NOV.2020 12:20:48

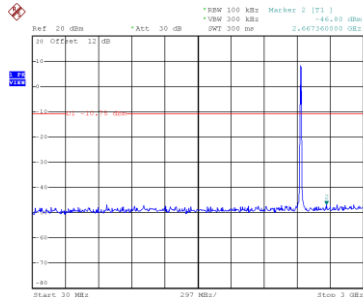


Date: 24.NOV.2020 12:20:55

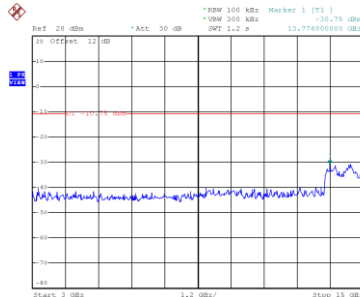


Date: 24.NOV.2020 12:21:02

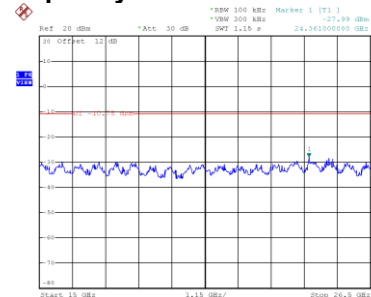
CH06 – 10th Harmonic of the fundamental frequency



Date: 24.NOV.2020 12:24:17

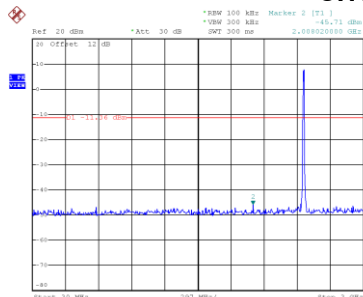


Date: 24.NOV.2020 12:24:24

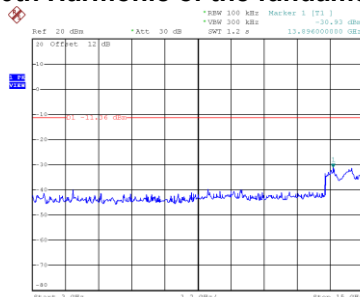


Date: 24.NOV.2020 12:24:32

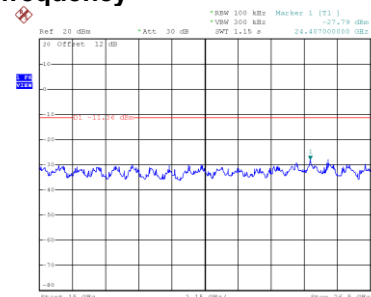
CH11 – 10th Harmonic of the fundamental frequency



Date: 24.NOV.2020 12:25:49



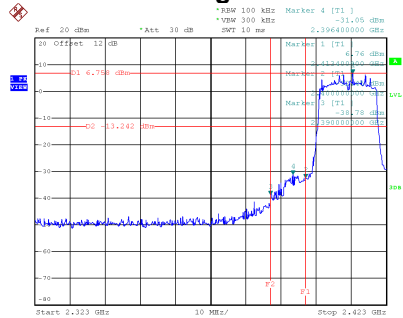
Date: 24.NOV.2020 12:25:56



Date: 24.NOV.2020 12:26:04

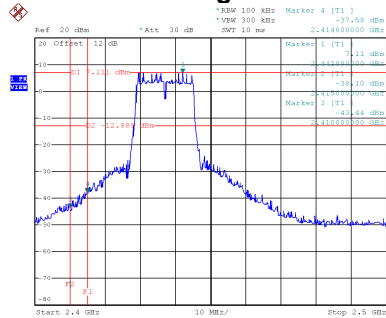
Test Mode TX G Mode

Bandedge-CH01



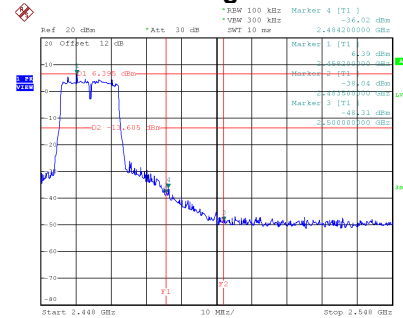
Date: 24.NOV.2020 12:26:51

Bandedge-CH06



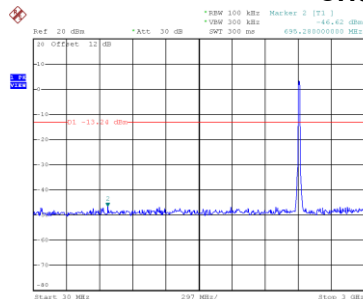
Date: 24.NOV.2020 12:28:39

Bandedge-CH11

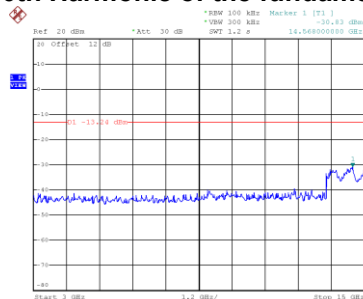


Date: 24.NOV.2020 12:30:04

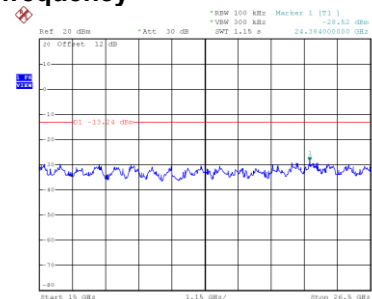
CH01 – 10th Harmonic of the fundamental frequency



Date: 24.NOV.2020 12:27:04

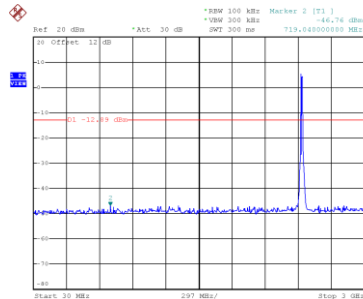


Date: 24.NOV.2020 12:27:11

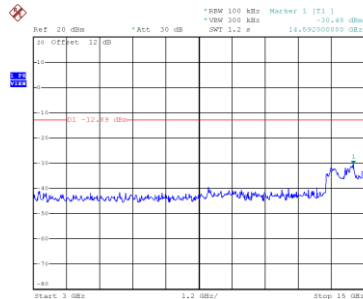


Date: 24.NOV.2020 12:27:18

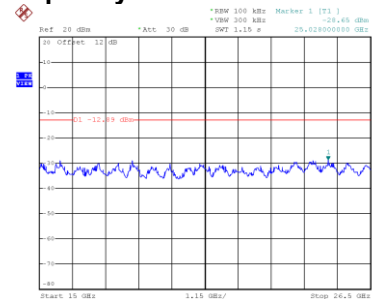
CH06 – 10th Harmonic of the fundamental frequency



Date: 24.NOV.2020 12:28:52

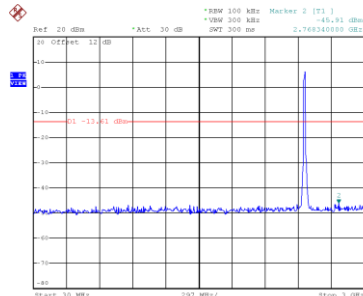


Date: 24.NOV.2020 12:28:59

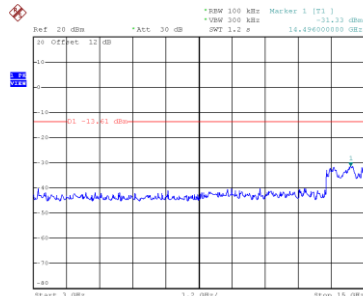


Date: 24.NOV.2020 12:29:06

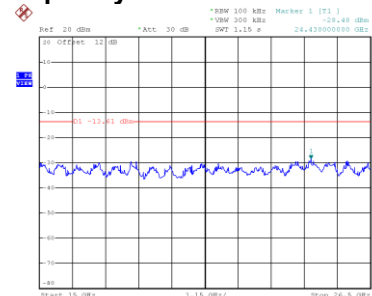
CH11 – 10th Harmonic of the fundamental frequency



Date: 24.NOV.2020 12:30:17



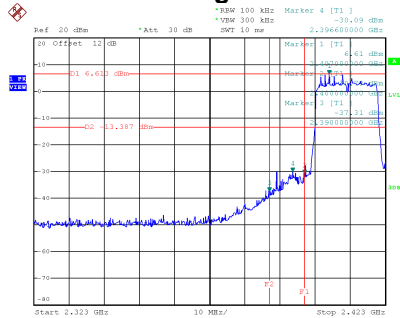
Date: 24.NOV.2020 12:30:24



Date: 24.NOV.2020 12:30:31

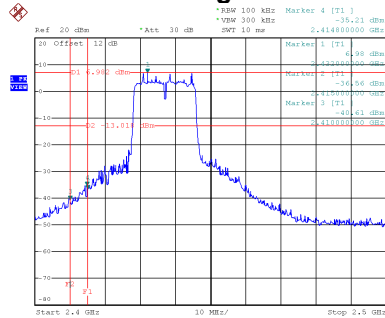
Test Mode TX N-20M Mode

Bandedge-CH01



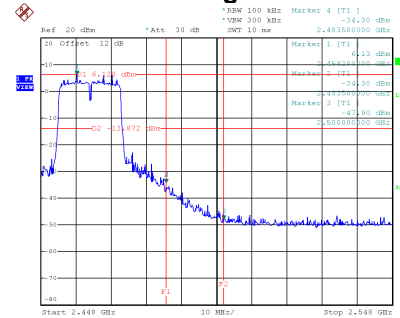
Date: 24.NOV.2020 12:31:51

Bandedge-CH06



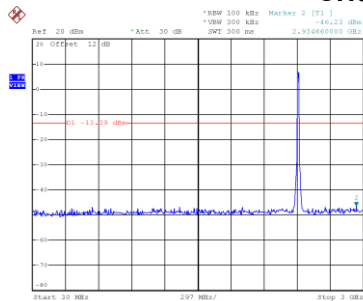
Date: 24.NOV.2020 12:33:31

Bandedge-CH11

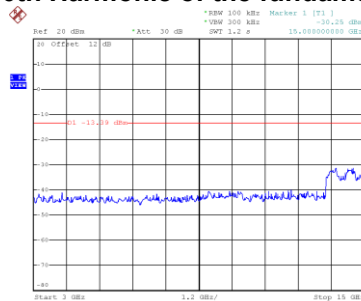


Date: 24.NOV.2020 12:36:26

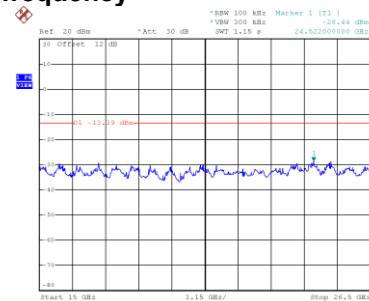
CH01 – 10th Harmonic of the fundamental frequency



Date: 24.NOV.2020 12:32:03

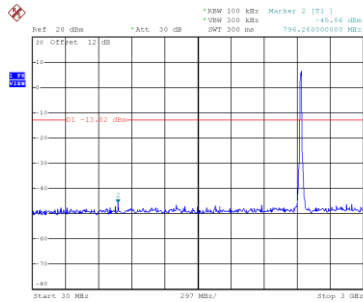


Date: 24.NOV.2020 12:32:10

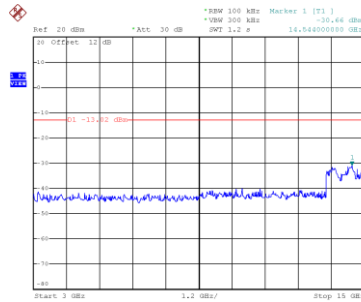


Date: 24.NOV.2020 12:32:18

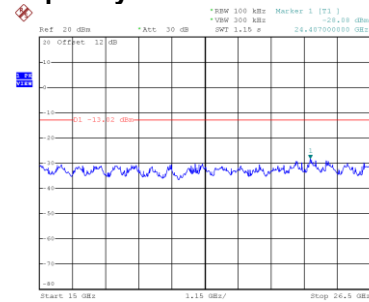
CH06 – 10th Harmonic of the fundamental frequency



Date: 24.NOV.2020 12:33:44

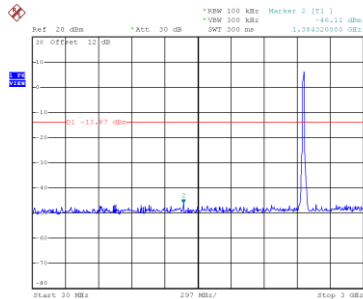


Date: 24.NOV.2020 12:33:51

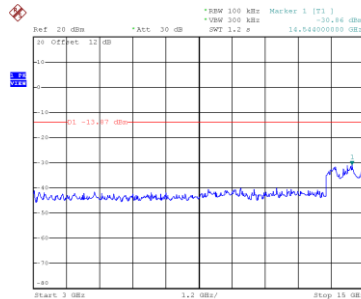


Date: 24.NOV.2020 12:33:58

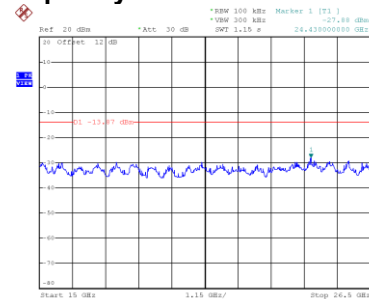
CH11 – 10th Harmonic of the fundamental frequency



Date: 24.NOV.2020 12:36:39



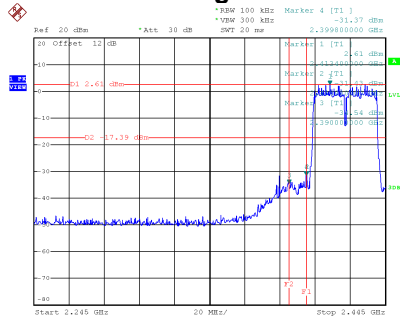
Date: 24.NOV.2020 12:36:46



Date: 24.NOV.2020 12:36:54

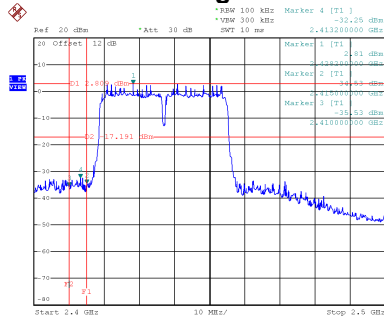
Test Mode TX N-40M Mode

Bandedge-CH03



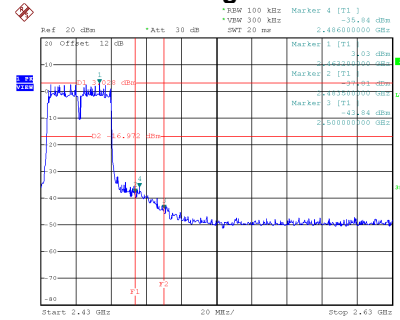
Date: 24.NOV.2020 12:37:33

Bandedge-CH06



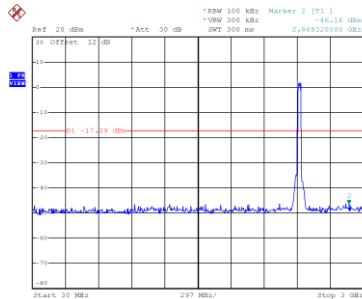
Date: 24.NOV.2020 12:38:45

Bandedge-CH09

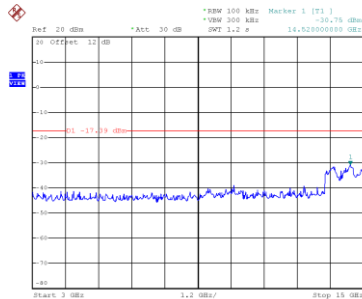


Date: 24.NOV.2020 12:39:56

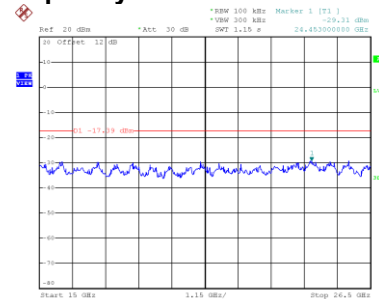
CH03 – 10th Harmonic of the fundamental frequency



Date: 24.NOV.2020 12:37:46

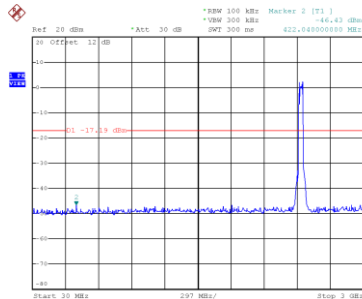


Date: 24.NOV.2020 12:37:53

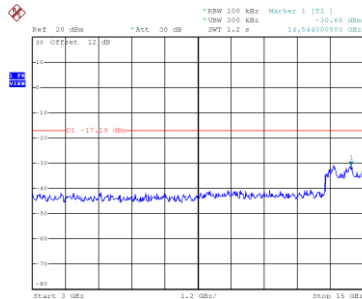


Date: 24.NOV.2020 12:38:01

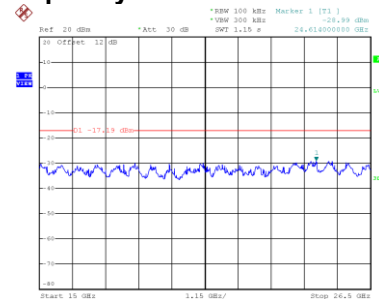
CH06 – 10th Harmonic of the fundamental frequency



Date: 24.NOV.2020 12:38:58

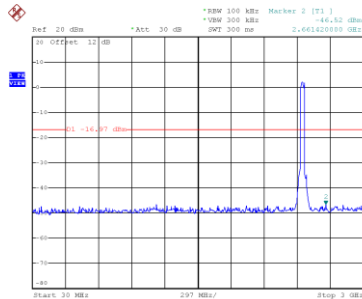


Date: 24.NOV.2020 12:39:05

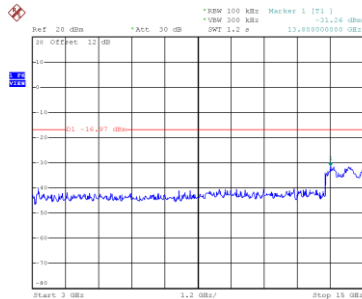


Date: 24.NOV.2020 12:39:12

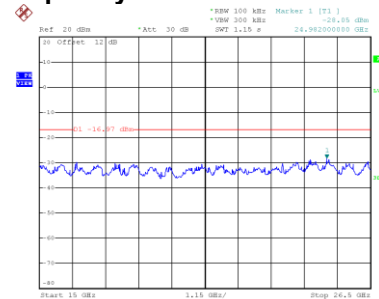
CH09 – 10th Harmonic of the fundamental frequency



Date: 24.NOV.2020 12:40:09



Date: 24.NOV.2020 12:40:16

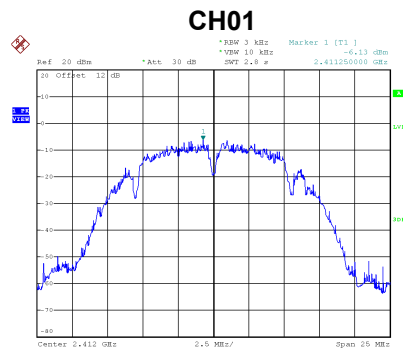


Date: 24.NOV.2020 12:40:23

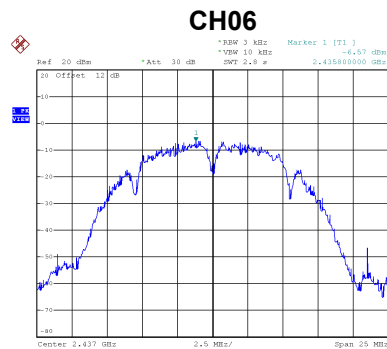
APPENDIX H - POWER SPECTRAL DENSITY

Test Mode	TX B Mode
-----------	-----------

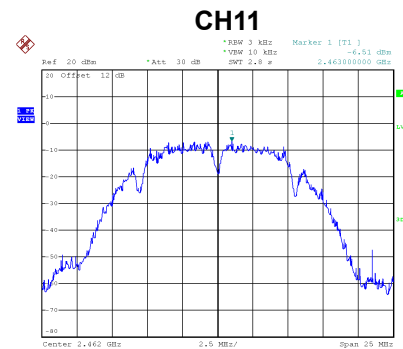
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-6.13	8	Complies
06	2437	-6.57	8	Complies
11	2462	-6.51	8	Complies



Date: 24.NOV.2020 12:21:11



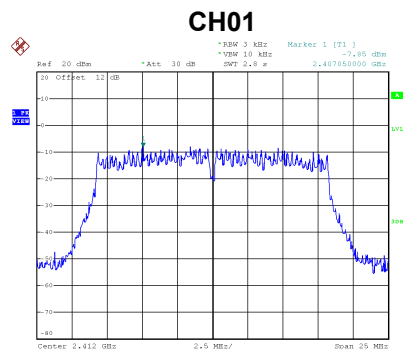
Date: 24.NOV.2020 12:24:40



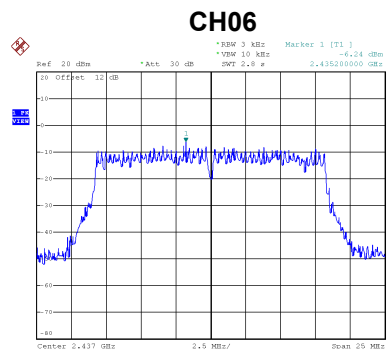
Date: 24.NOV.2020 12:26:12

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

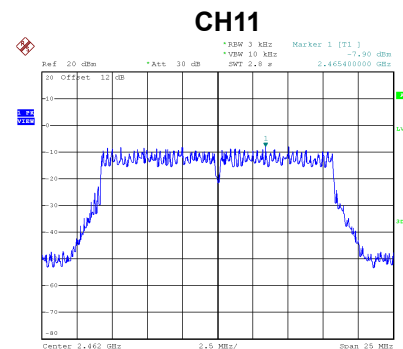
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-7.85	8	Complies
06	2437	-6.24	8	Complies
11	2462	-7.90	8	Complies



Date: 24.NOV.2020 12:27:27



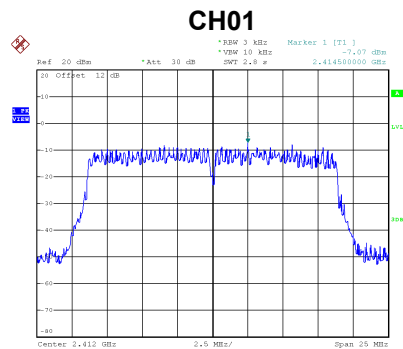
Date: 24.NOV.2020 12:29:14



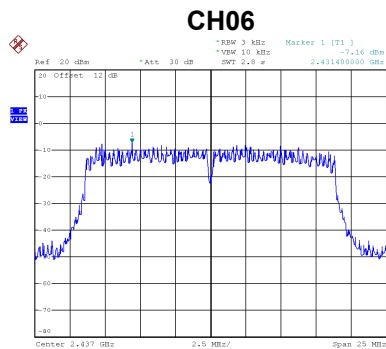
Date: 24.NOV.2020 12:30:40

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

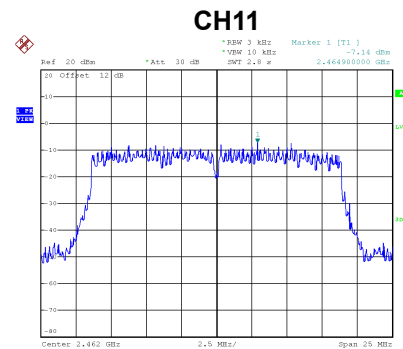
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-7.07	8	Complies
06	2437	-7.16	8	Complies
11	2462	-7.14	8	Complies



Date: 24.NOV.2020 12:32:26



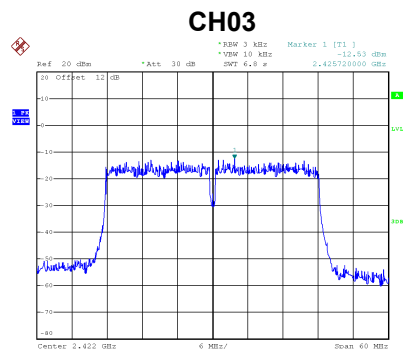
Date: 24.NOV.2020 12:34:06



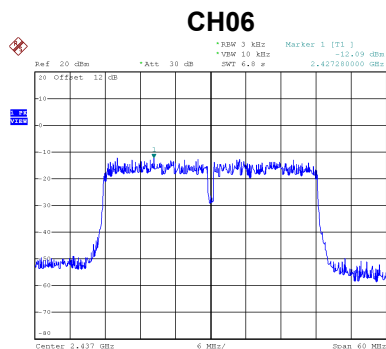
Date: 24.NOV.2020 12:37:02

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

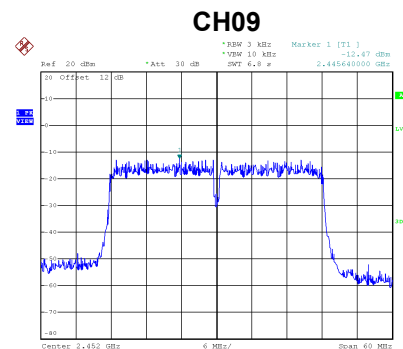
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-12.53	8	Complies
06	2437	-12.09	8	Complies
09	2452	-12.47	8	Complies



Date: 24.NOV.2020 12:38:12



Date: 24.NOV.2020 12:39:24



Date: 24.NOV.2020 12:40:35

End of Test Report