

FCC Radio Test Report

FCC ID: Q78-ZXHNH196AV9

This report concerns: Original Grant

Project No. : 2006H021
Equipment : WiFi Router
Brand Name : ZTE
Test Model : ZXHN H196A
Series Model : N/A
Applicant : ZTE Corporation
Address : ZTE Plaza, Keji Road South, Hi-Tech Industrial Park Nanshan District, Shenzhen, Guangdong, P.R. China
Manufacturer : ZTE Corporation
Address : ZTE Plaza, Keji Road South, Hi-Tech Industrial Park Nanshan District, Shenzhen, Guangdong, P.R. China
Factory : ZTE Corporation
Address : ZTE Plaza, Keji Road South, Hi-Tech Industrial Park Nanshan District, Shenzhen, Guangdong, P.R. China
Date of Receipt : Aug. 17, 2020
Date of Test : Aug. 17, 2020~Sep. 14, 2020
Issued Date : Sep. 30, 2020
Report Version : R00
Test Sample : Engineering Sample No.: SH2020071627-4 for conducted;
SH2020071627-5 for radiated.
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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The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

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

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

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Sep. 30, 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	N/A	-----
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	26°C	60%	AC 120V/60Hz	Forest Li
Radiated Emissions-30 MHz to 1GHz	23°C	52%	AC 120V/60Hz	Forest Li
Radiated Emissions-Above 1000 MHz	24°C	58%	AC 120V/60Hz	Forest Li
Bandwidth	25.7°C	59%	AC 120V/60Hz	Forest Li
Maximum output power & e.i.r.p.	25.7°C	59%	AC 120V/60Hz	Forest Li
Conducted Spurious Emissions	25.7°C	59%	AC 120V/60Hz	Forest Li
Power Spectral Density	25.7°C	59%	AC 120V/60Hz	Forest Li

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	WiFi Router
Brand Name	ZTE
Test Model	ZXHN H196A
Series Model	N/A
Model Difference(s)	N/A
Software Version	T2
Hardware Version	V9
Power Source	DC voltage supplied from AC/DC adapter. 1# Brand/Model: MN012E-L120100 2# Brand/Model: Ruide/RD1201000-C55-35MGD
Power Rating	1# I/P: 100-240V~50/60Hz 0.3A max O/P:12.0V $\overline{\text{---}}$ 1.0A 1# I/P: 100-240V~50/60Hz 0.6A max O/P:12V $\overline{\text{---}}$ 1.0A
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM
Bit Rate of Transmitter	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps
Maximum Output Power For CDD	IEEE 802.11b: 22.44 dBm (0.1754 W) IEEE 802.11g: 28.11 dBm (0.6471 W) IEEE 802.11n (HT20): 28.42 dBm (0.6950 W) IEEE 802.11n (HT40): 28.24 dBm (0.6668 W)

Note:

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

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

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	N/A	N/A	PCB	N/A	3.2	N/A
2	N/A	N/A	PCB	N/A	3.2	N/A

Note:

This EUT supports CDD, and all antennas have the same gain, so Directional gain= $G_{ANT} + \text{Array Gain}$

For power spectral density measurements, Array Gain= $10\log(N_{ANT}/N_{SS})$ dB

Directional gain= $3.2 + 10\log(2/1) = 6.21$. So, the power density limit is $8 - 6.21 + 6 = 7.79$

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.
- (4) For radiated emission above 1 GHz test, 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.

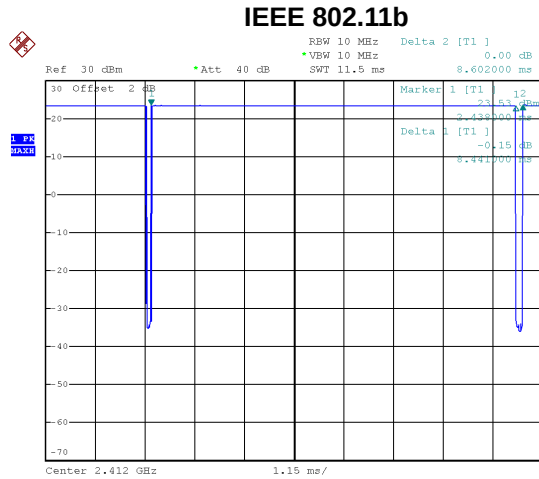
2.3 PARAMETERS OF TEST SOFTWARE

CDD

Test Software	QATool_Dbg		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	0D	0C	1C
IEEE 802.11g	1B	1B	19
IEEE 802.11n (HT20)	18	1E	17
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	13	1C	20

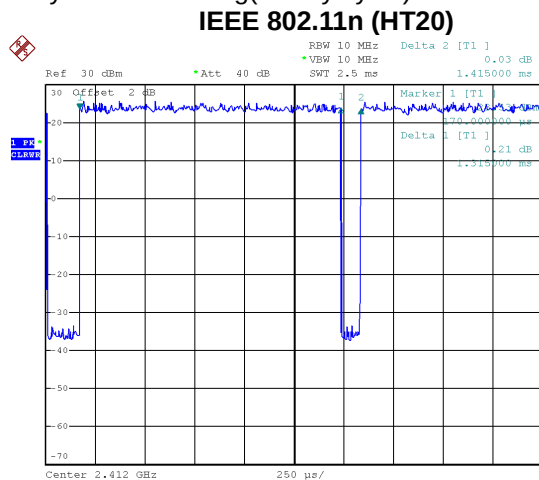
2.4 DUTY CYCLE

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.



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Duty cycle = $8.441 \text{ ms} / 8.602 \text{ ms} = 98.13\%$
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.00$



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Duty cycle = $1.315 \text{ ms} / 1.415 \text{ ms} = 92.93\%$
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.32$,

NOTE:

For IEEE 802.11b:

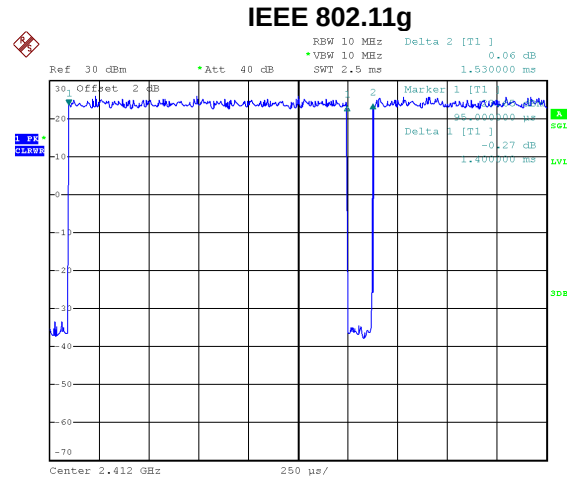
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle $> 98\%$).

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 $< 98\%$).

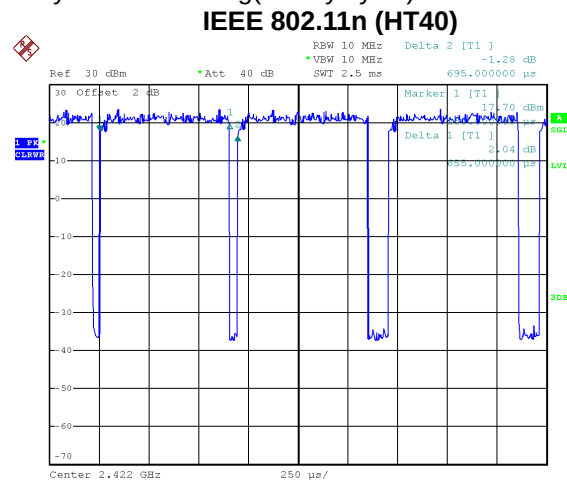
For IEEE 802.11n (HT40):

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 $< 98\%$).



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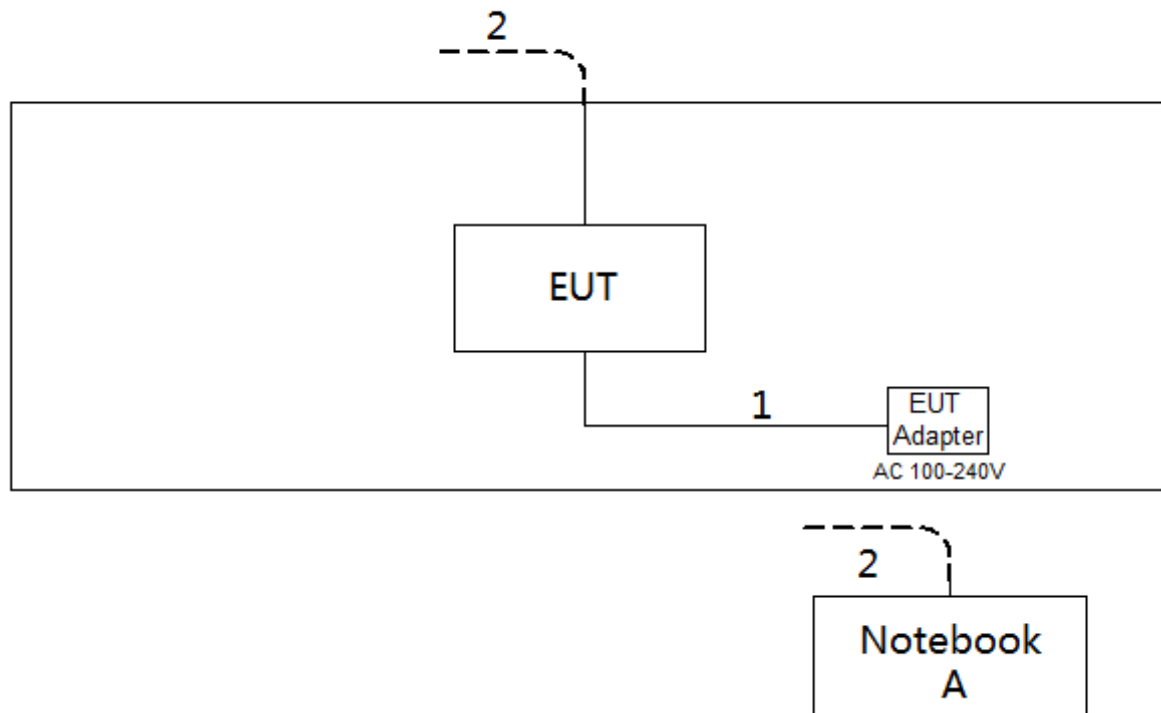
Duty cycle = $1.400 \text{ ms} / 1.530 \text{ ms} = 91.50\%$
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.39$



Date: 27.JUL.2020 13:58:57

Duty cycle = $0.655 \text{ ms} / 0.695 \text{ ms} = 94.24\%$
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.26$

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

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

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.6m
2	RJ45 Cable	NO	NO	10m

3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

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

NOTE:

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

The following table is the setting of the receiver

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

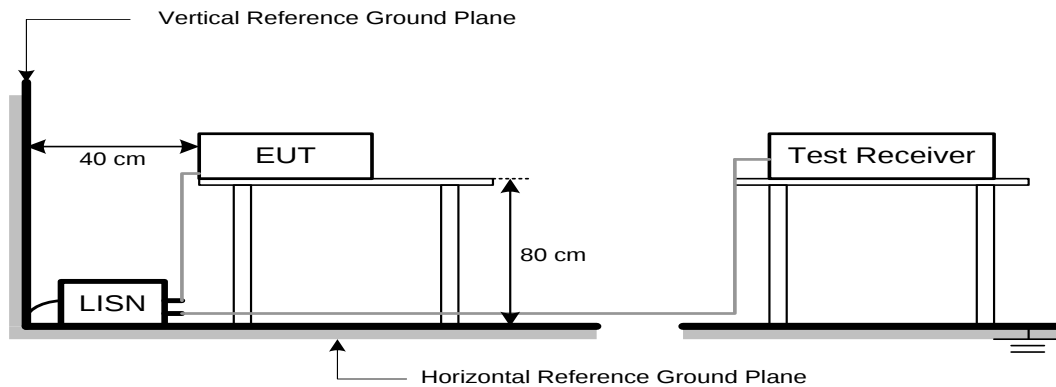
3.2 TEST PROCEDURE

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

3.3 DEVIATION FROM TEST STANDARD

No deviation

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS TEST

4.1 LIMIT

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

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

NOTE:

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

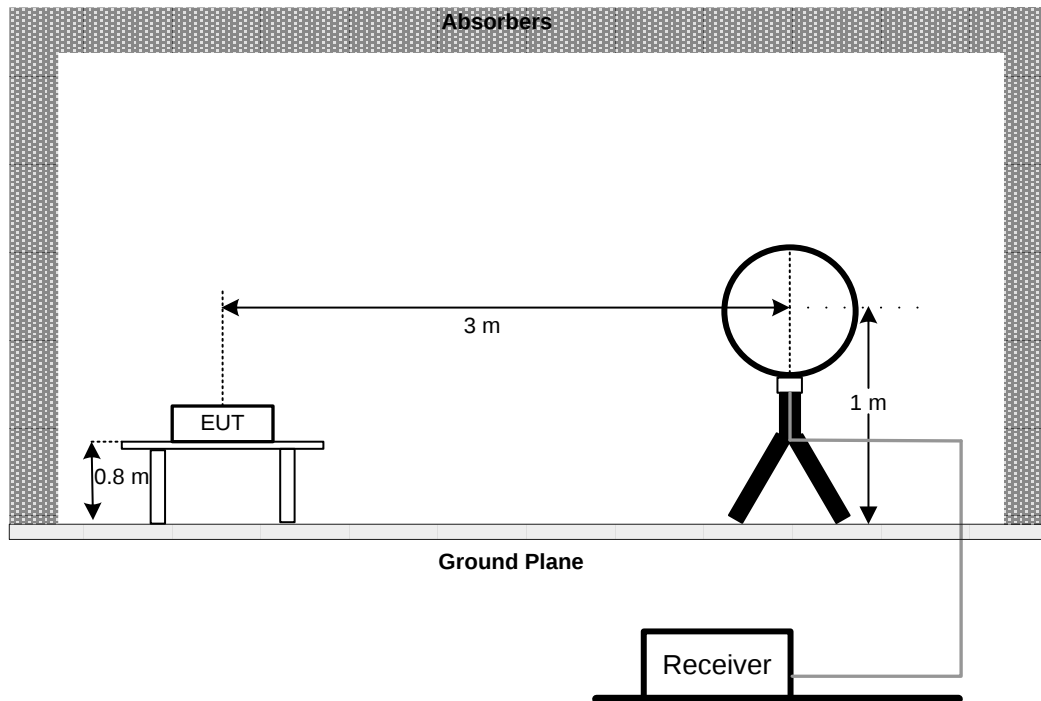
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- The measuring distance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

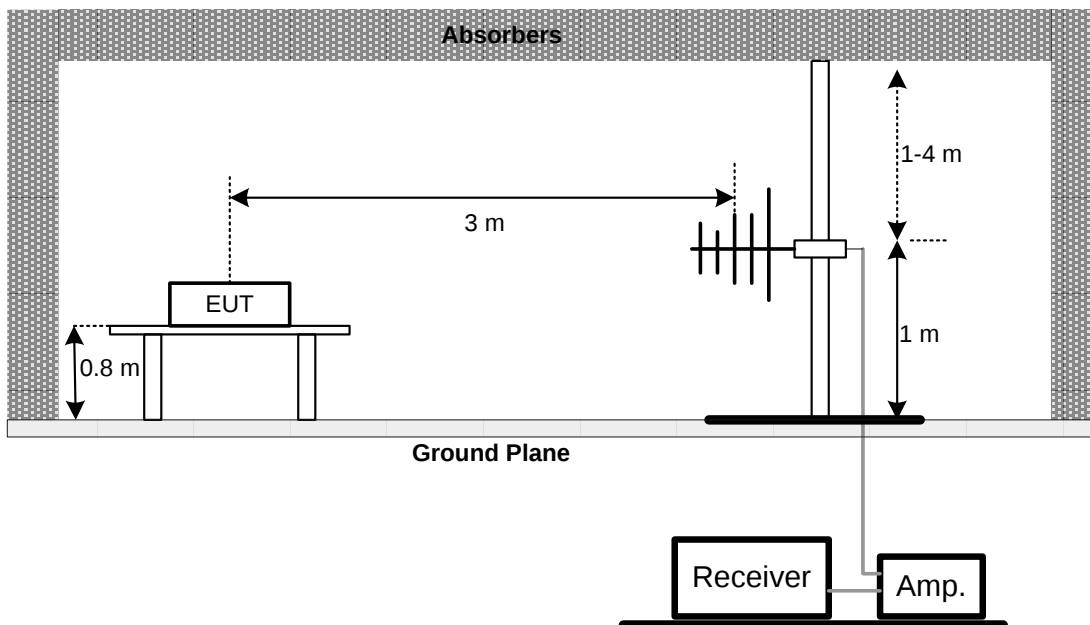
No deviation

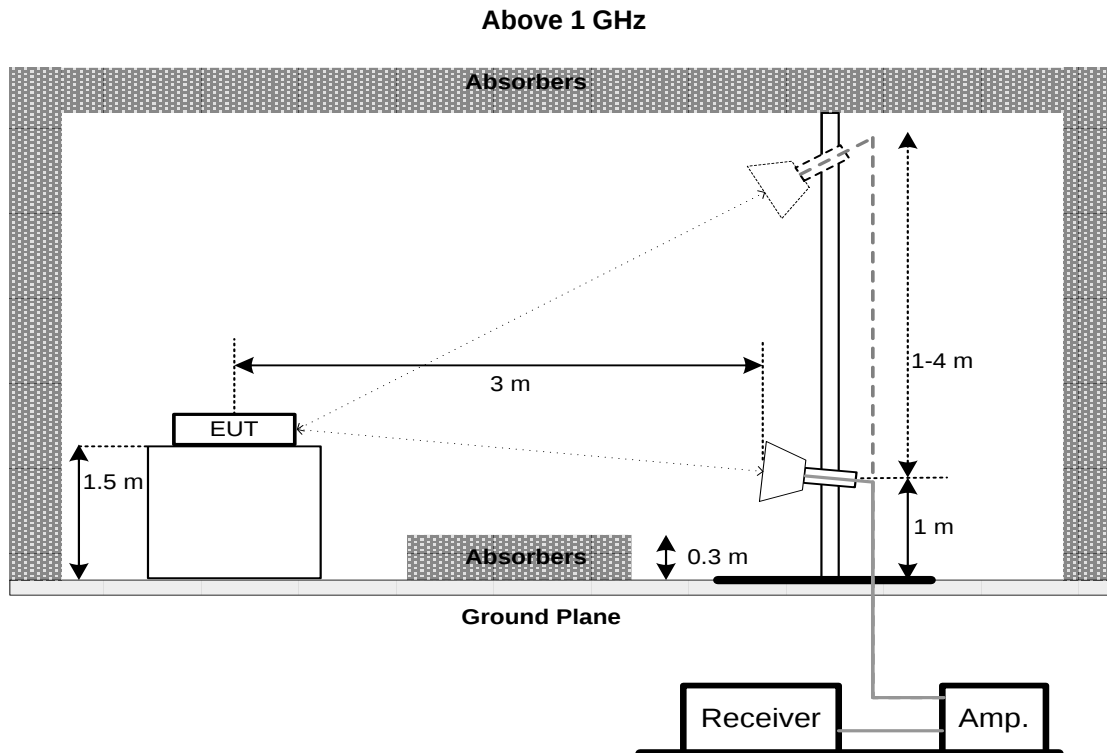
4.4 TEST SETUP

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 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. CONDUCTED SPURIOUS EMISSIONS

7.1 LIMIT

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

7.2 TEST PROCEDURE

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

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8. POWER SPECTRAL DENSITY TEST

8.1 LIMIT

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

8.2 TEST PROCEDURE

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

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

9. MEASUREMENT INSTRUMENTS LIST

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

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EMCI	EMCI LPA600	275	Apr. 02, 2021
2	EMI Test Receiver	R&S	ESCI	100082	Mar. 21, 2021
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	Apr. 02, 2021
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 21, 2021
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	May 06, 2021
4	Test Cable	emci	EMC104-SM-SM-7 000	170330	Apr. 13, 2021
5	Test Cable	emci	EMC104-SM-SM-1 000	170331	Apr. 13, 2021
6	Test Cable	emci	EMC104-SM-NM-3 500	170621	Apr. 13, 2021
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

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

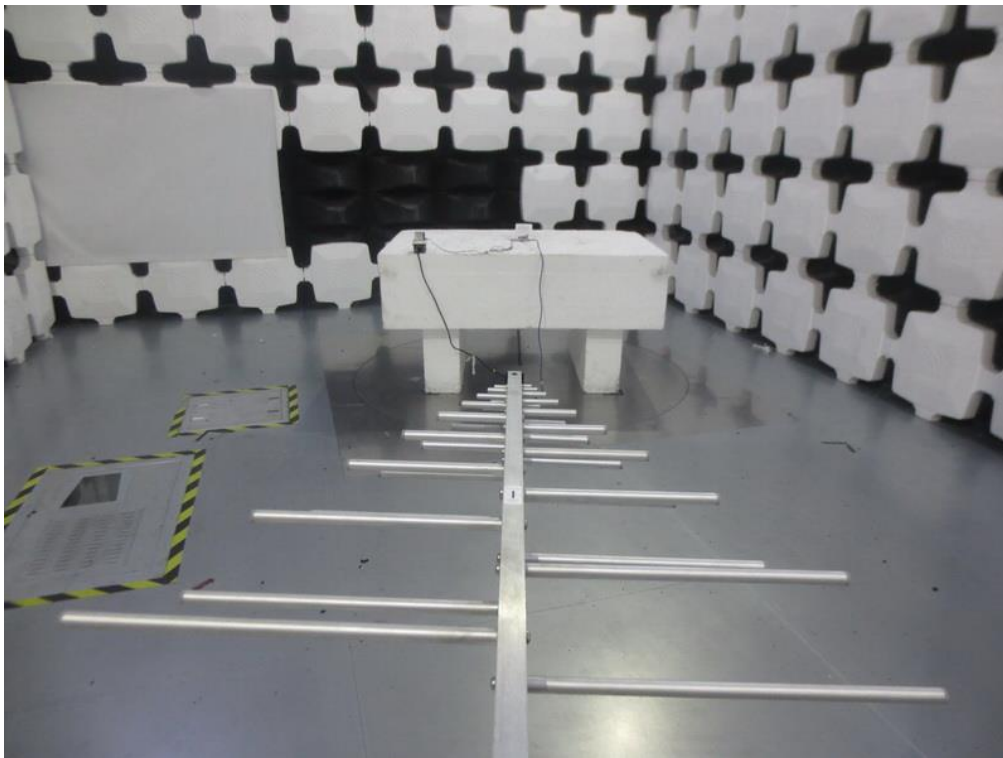
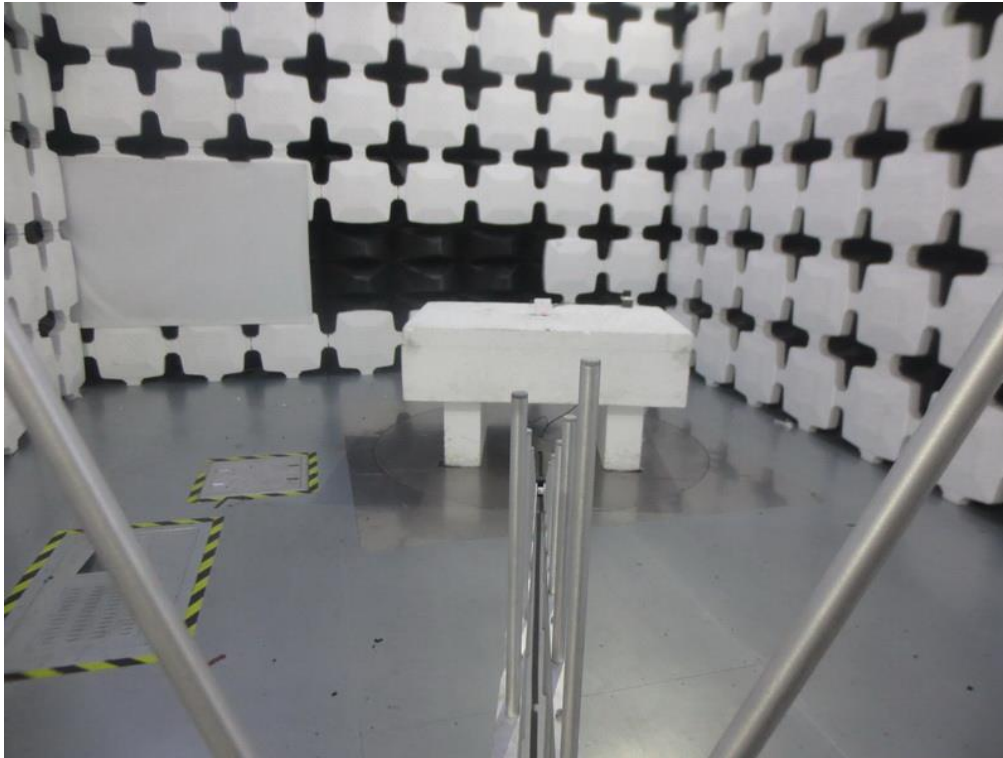
Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

10. EUT TEST PHOTO

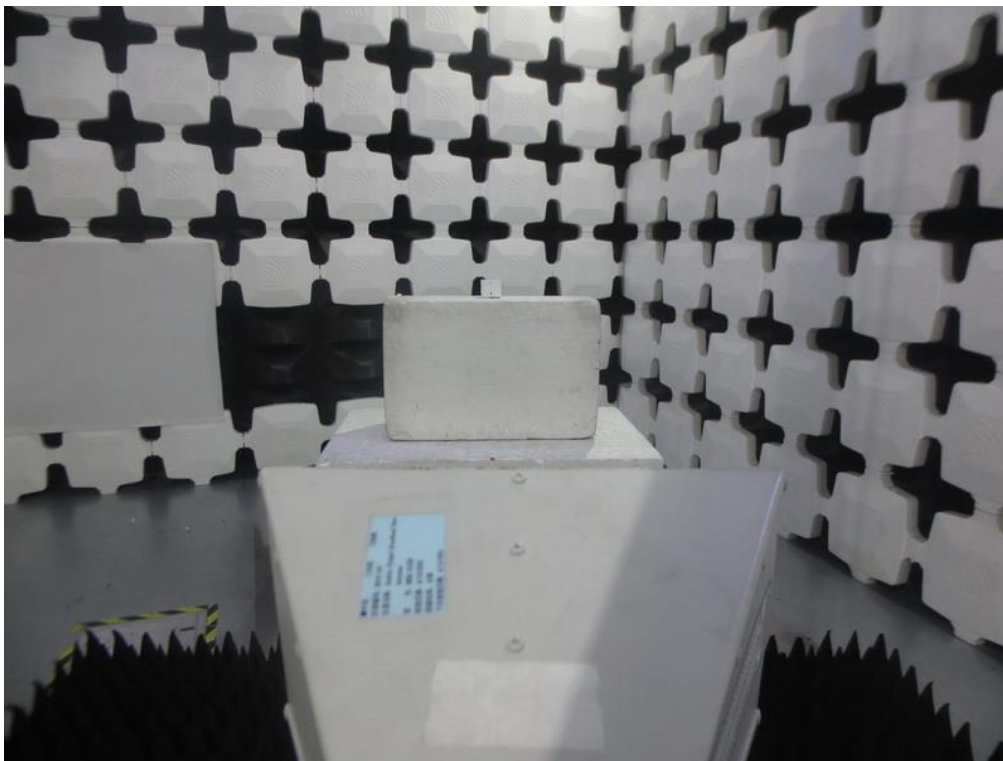
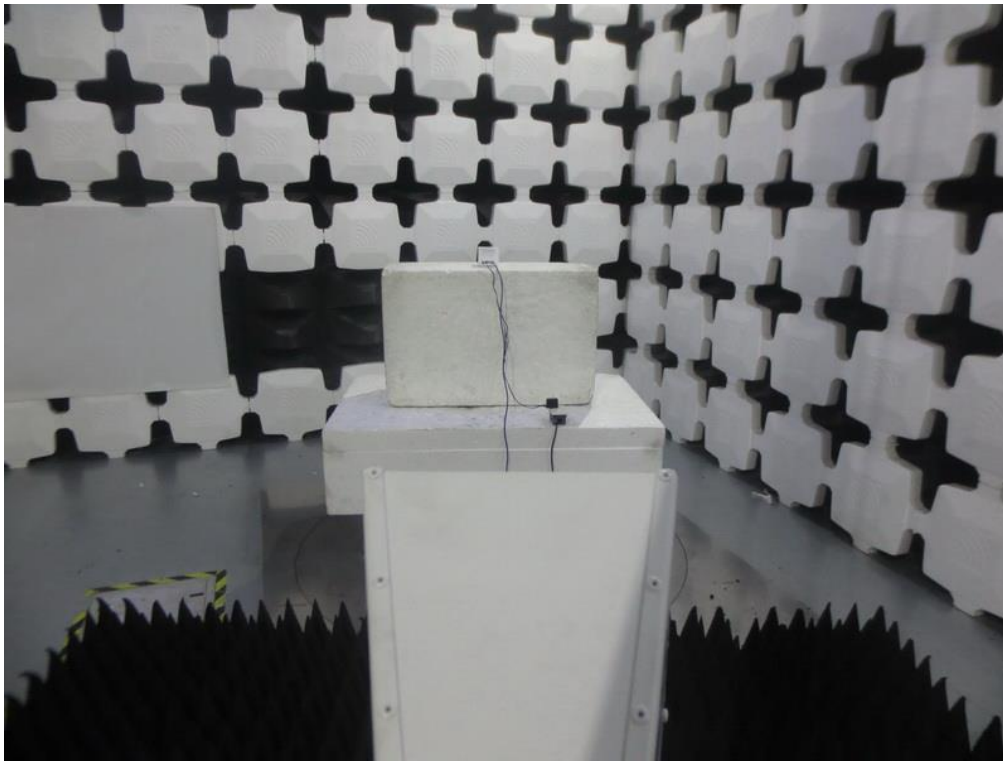
Radiated Emissions Test Photos

30 MHz to 1 GHz



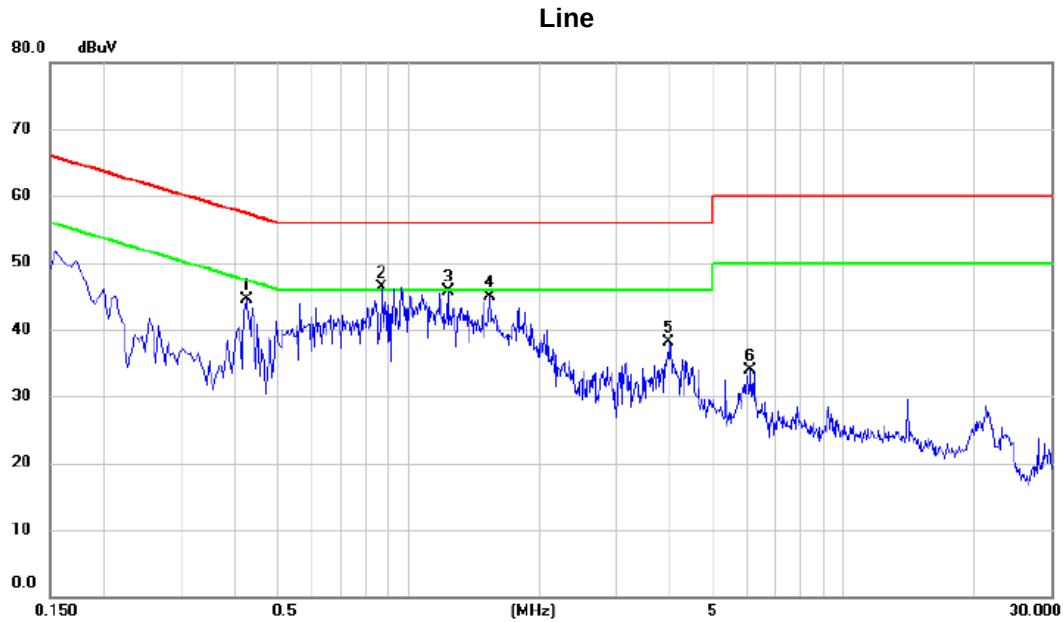
Radiated Emissions Test Photos

Above 1 GHz



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode: TX N20 Mode Channel 06

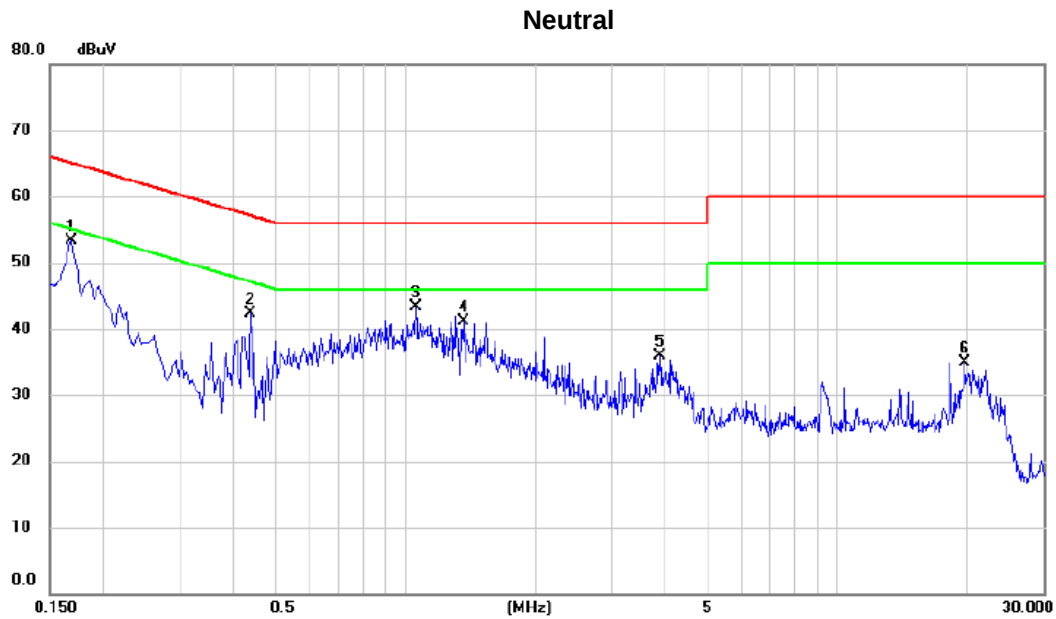


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.4244	34.66	9.87	44.53	57.36	-12.83	peak	
2	*	0.8700	36.50	9.79	46.29	56.00	-9.71	peak	
3		1.2343	35.98	9.75	45.73	56.00	-10.27	peak	
4		1.5403	35.14	9.77	44.91	56.00	-11.09	peak	
5		3.9750	28.22	9.92	38.14	56.00	-17.86	peak	
6		6.1124	23.79	10.02	33.81	60.00	-26.19	peak	

REMARKS:

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

Test Mode: TX N20 Mode Channel 06



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1680	43.77	9.61	53.38	65.06	-11.68	peak	
2		0.4380	32.54	9.67	42.21	57.10	-14.89	peak	
3		1.0544	33.59	9.72	43.31	56.00	-12.69	peak	
4		1.3650	31.45	9.74	41.19	56.00	-14.81	peak	
5		3.8805	26.00	9.90	35.90	56.00	-20.10	peak	
6		19.6662	24.56	10.44	35.00	60.00	-25.00	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

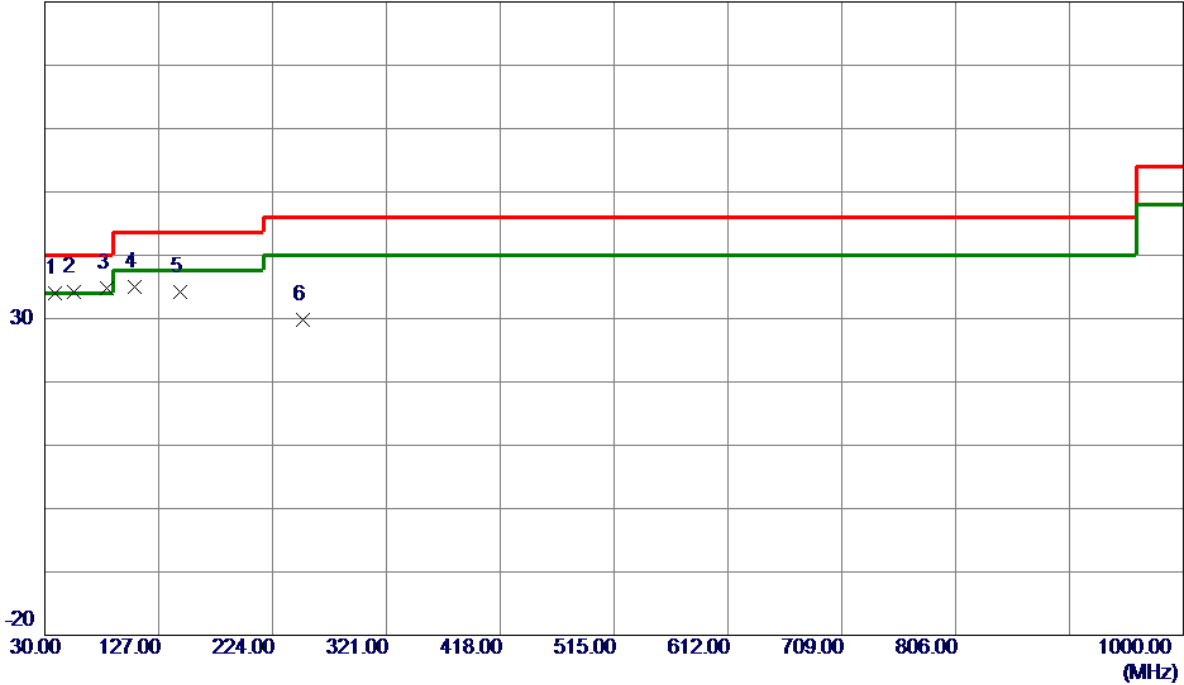
Note: Below 30MHz, The measured value have enough margin over 20dB than the limit, therefore they are not reported.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode: TX N20 Mode Channel 06

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	38.7300	51.19	-17.27	33.92	40.00	-6.08	Peak	
2	54.2500	50.76	-16.55	34.21	40.00	-5.79	Peak	
3 *	82.8650	55.86	-21.06	34.80	40.00	-5.20	Peak	
4	106.6300	54.72	-19.74	34.98	43.50	-8.52	Peak	
5	145.4299	50.13	-16.01	34.12	43.50	-9.38	Peak	
6	250.1900	46.44	-16.66	29.78	46.00	-16.22	Peak	

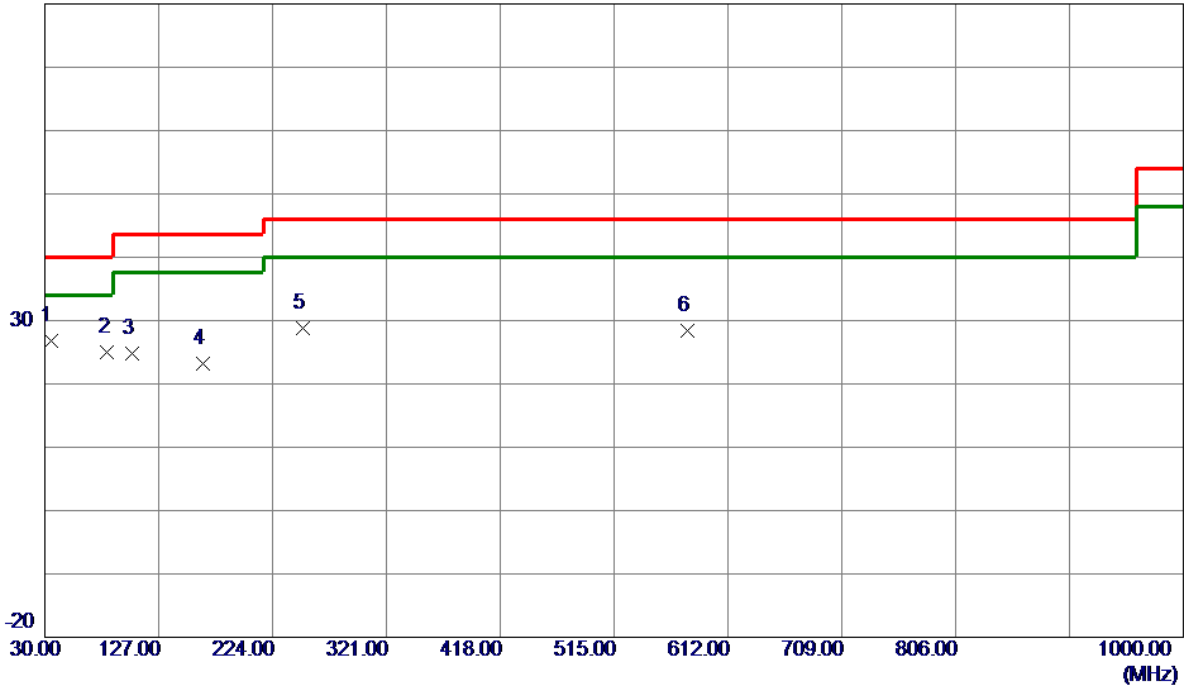
REMARKS:

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

Test Mode: TX N20 Mode Channel 06

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	34.8500	44.72	-17.90	26.82	40.00	-13.18	Peak	
2	83.3500	46.23	-21.15	25.08	40.00	-14.92	Peak	
3	104.6900	44.84	-20.03	24.81	43.50	-18.69	Peak	
4	164.3450	38.74	-15.63	23.11	43.50	-20.39	Peak	
5	250.1900	45.50	-16.66	28.84	46.00	-17.16	Peak	
6	577.5650	37.13	-8.75	28.38	46.00	-17.62	Peak	

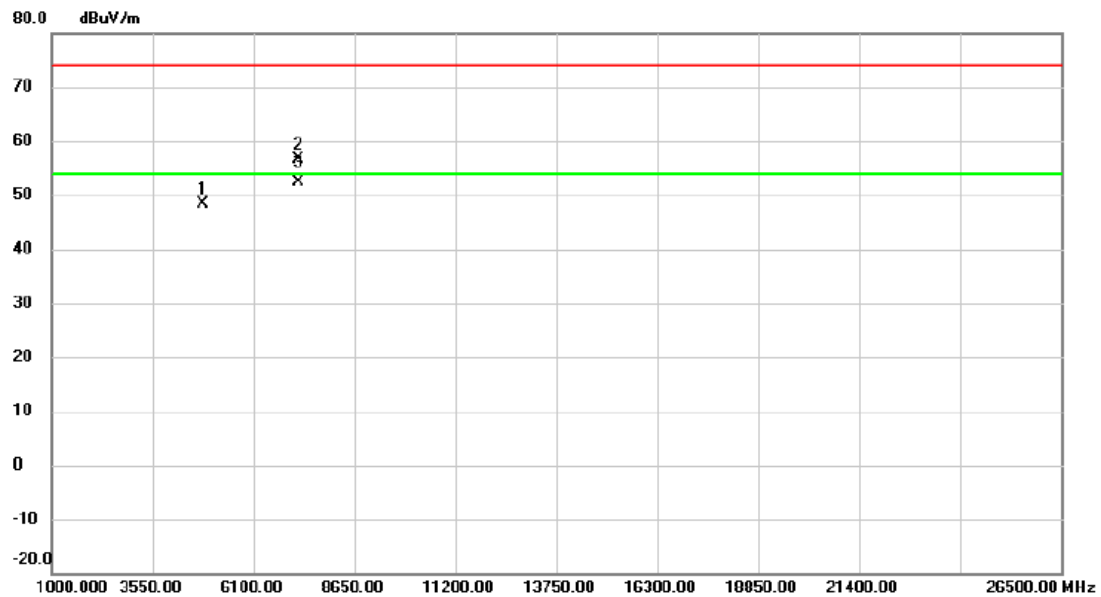
REMARKS:

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

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

Test Mode: TX B Mode 2412 MHz

Vertical



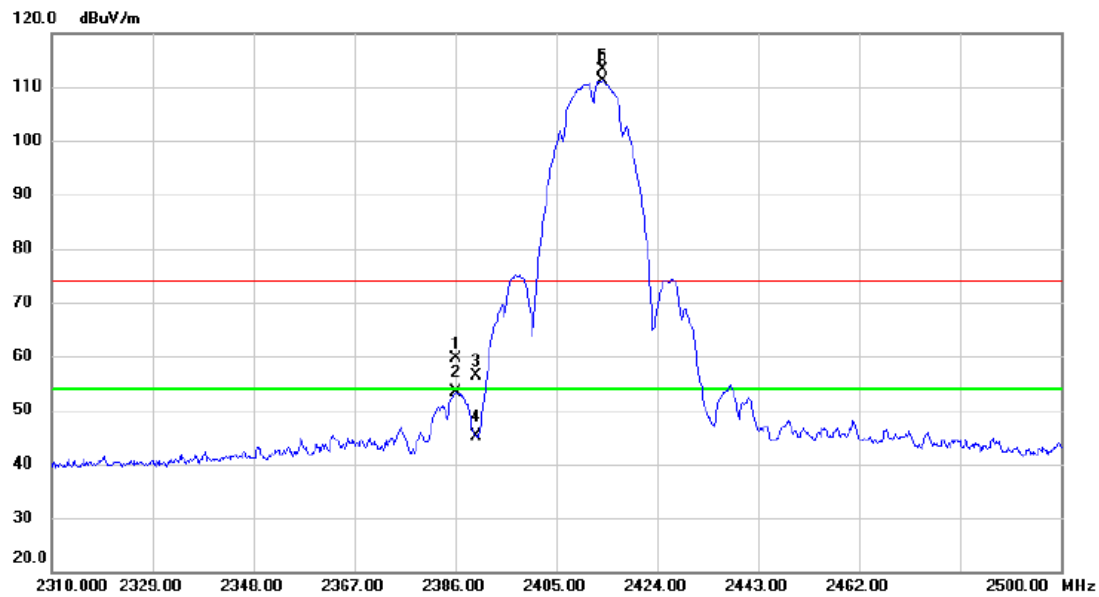
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.033	59.35	-10.90	48.45	74.00	-25.55	peak	
2		7236.004	60.81	-4.17	56.64	74.00	-17.36	peak	
3	*	7236.870	56.60	-4.17	52.43	54.00	-1.57	AVG	

REMARKS:

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

Test Mode: TX B Mode 2412 MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2386.190	27.88	31.74	59.62	74.00	-14.38	peak	
2		2386.190	21.70	31.74	53.44	54.00	-0.56	AVG	
3		2390.000	24.52	31.74	56.26	74.00	-17.74	peak	
4		2390.000	13.34	31.74	45.08	54.00	-8.92	AVG	
5	X	2413.740	81.49	31.72	113.21	74.00	39.21	peak	No limit
6	*	2413.740	79.37	31.72	111.09	54.00	57.09	AVG	No limit

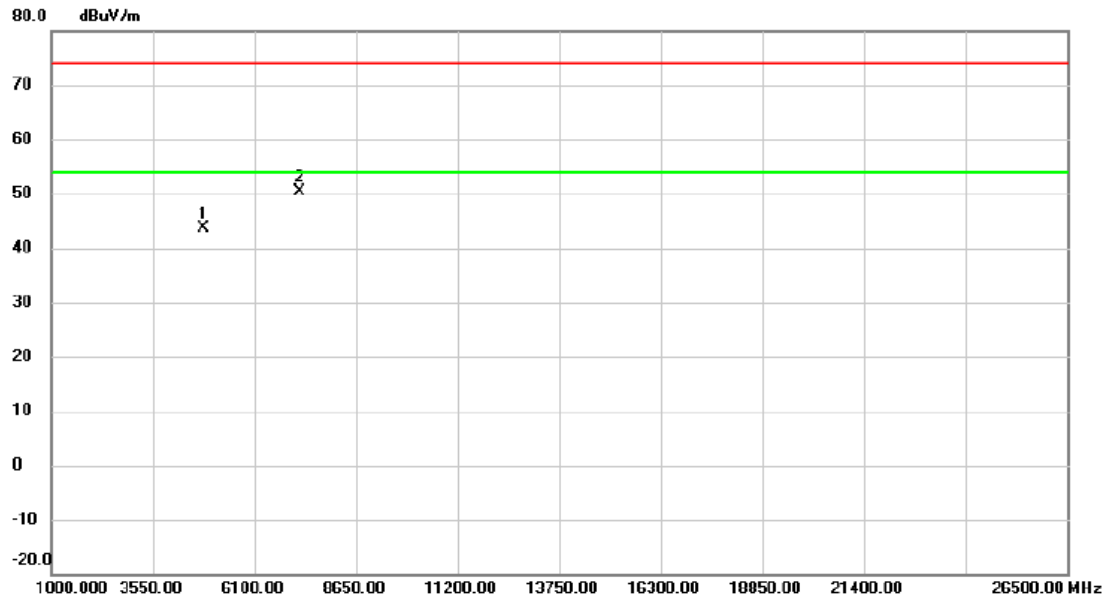
REMARKS:

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

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

Test Mode: TX B Mode 2412 MHz

Horizontal



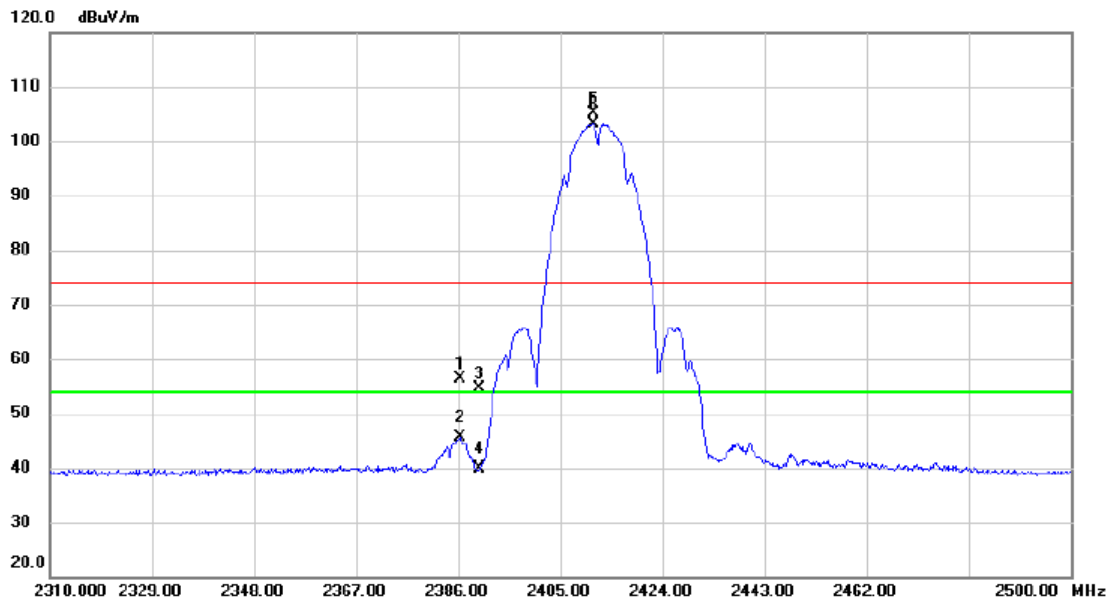
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4823.943	54.53	-10.90	43.63	74.00	-30.37	peak	
2	*	7237.064	54.58	-4.17	50.41	74.00	-23.59	peak	

REMARKS:

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

Test Mode: TX B Mode 2412 MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2386.380	24.57	31.74	56.31	74.00	-17.69	peak	
2		2386.380	13.94	31.74	45.68	54.00	-8.32	AVG	
3		2390.000	22.97	31.74	54.71	74.00	-19.29	peak	
4		2390.000	8.02	31.74	39.76	54.00	-14.24	AVG	
5	X	2411.175	73.52	31.72	105.24	74.00	31.24	peak	No limit
6	*	2411.175	71.49	31.72	103.21	54.00	49.21	AVG	No limit

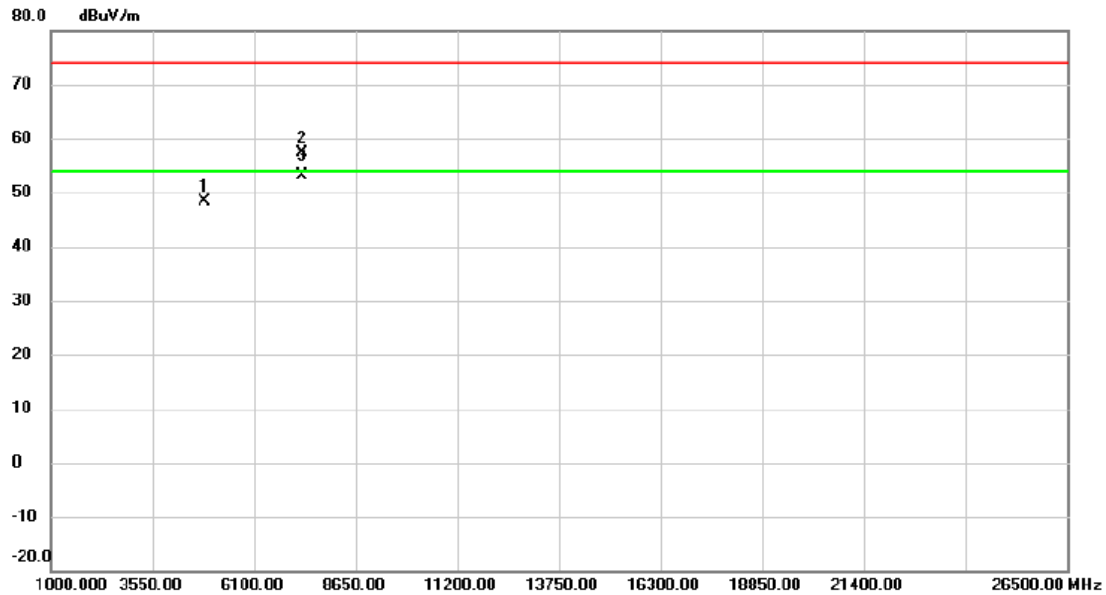
REMARKS:

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

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

Test Mode: TX B Mode 2437 MHz

Vertical



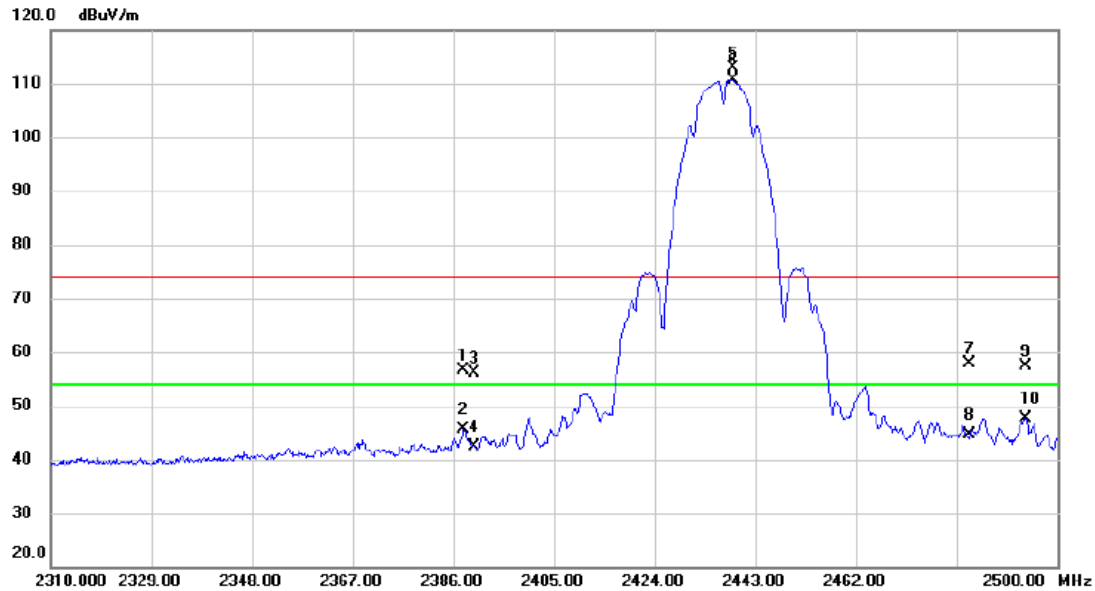
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.073	59.13	-10.79	48.34	74.00	-25.66	peak	
2		7310.094	61.36	-4.08	57.28	74.00	-16.72	peak	
3	*	7310.230	57.32	-4.08	53.24	54.00	-0.76	AVG	

REMARKS:

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

Test Mode: TX B Mode 2437 MHz

Vertical



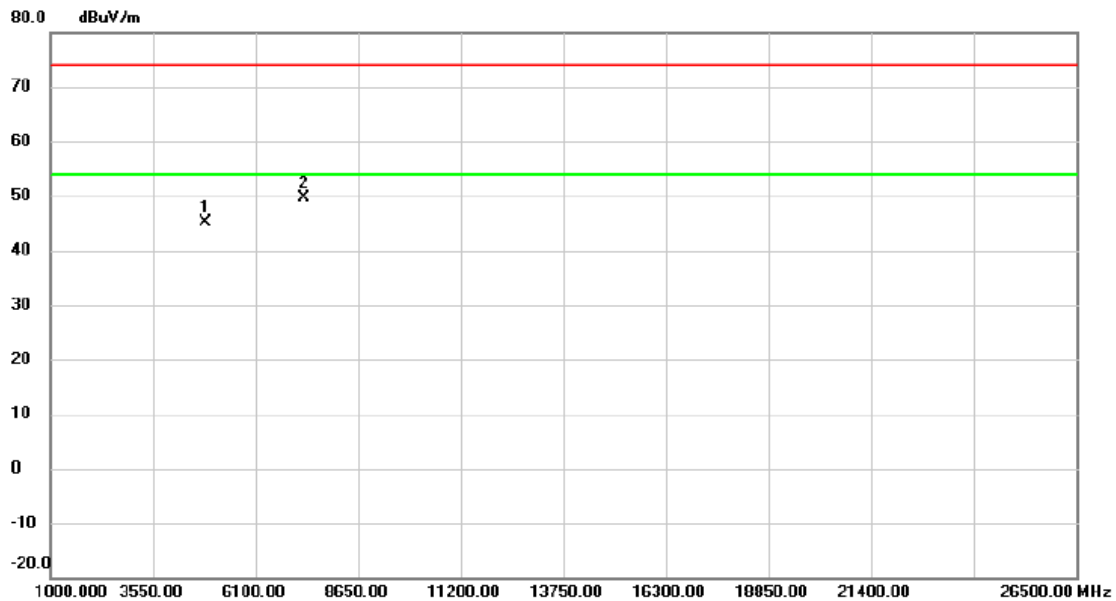
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2387.995	24.76	31.75	56.51	74.00	-17.49	peak	
2		2387.995	13.78	31.75	45.53	54.00	-8.47	AVG	
3		2390.000	24.38	31.74	56.12	74.00	-17.88	peak	
4		2390.000	10.62	31.74	42.36	54.00	-11.64	AVG	
5	X	2438.820	81.10	31.71	112.81	74.00	38.81	peak	No limit
6	*	2438.820	78.98	31.71	110.69	54.00	56.69	AVG	No limit
7		2483.500	26.15	31.72	57.87	74.00	-16.13	peak	
8		2483.500	12.88	31.72	44.60	54.00	-9.40	AVG	
9		2493.920	25.77	31.71	57.48	74.00	-16.52	peak	
10		2493.920	16.03	31.71	47.74	54.00	-6.26	AVG	

REMARKS:

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

Test Mode: TX B Mode 2437 MHz

Horizontal



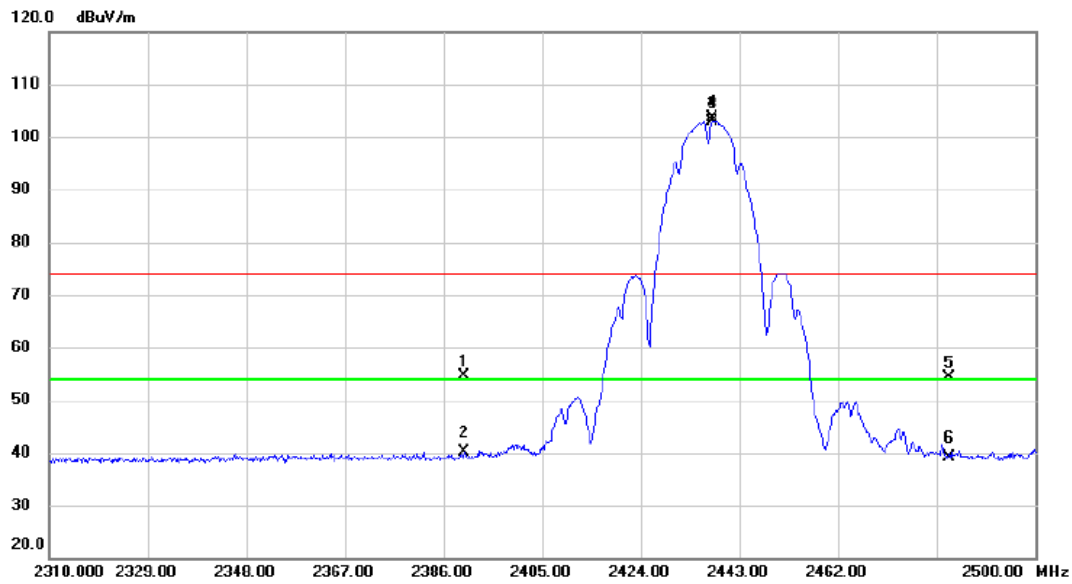
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4873.935	55.87	-10.79	45.08	74.00	-28.92	peak	
2	*	7309.046	53.64	-4.08	49.56	74.00	-24.44	peak	

REMARKS:

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

Test Mode: TX B Mode 2437 MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	22.97	31.74	54.71	74.00	-19.29	peak	
2		2390.000	8.31	31.74	40.05	54.00	-13.95	AVG	
3	X	2437.775	72.03	31.71	103.74	74.00	29.74	peak	No limit
4	*	2437.775	71.28	31.71	102.99	54.00	48.99	AVG	No limit
5		2483.500	22.73	31.72	54.45	74.00	-19.55	peak	
6		2483.500	7.42	31.72	39.14	54.00	-14.86	AVG	

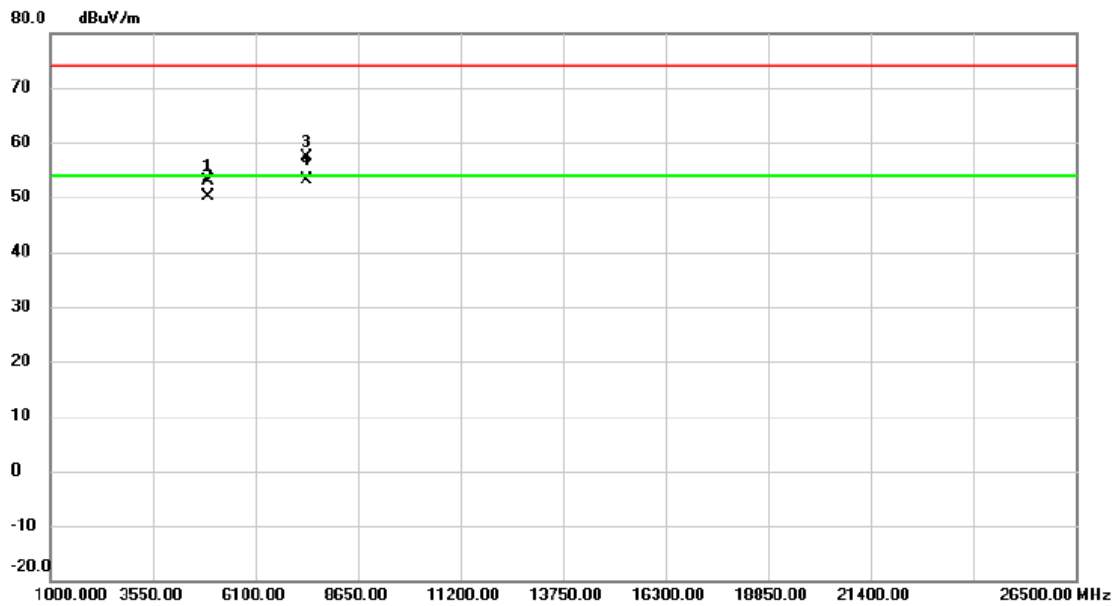
REMARKS:

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

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

Test Mode:	TX B Mode 2462 MHz
------------	--------------------

Vertical



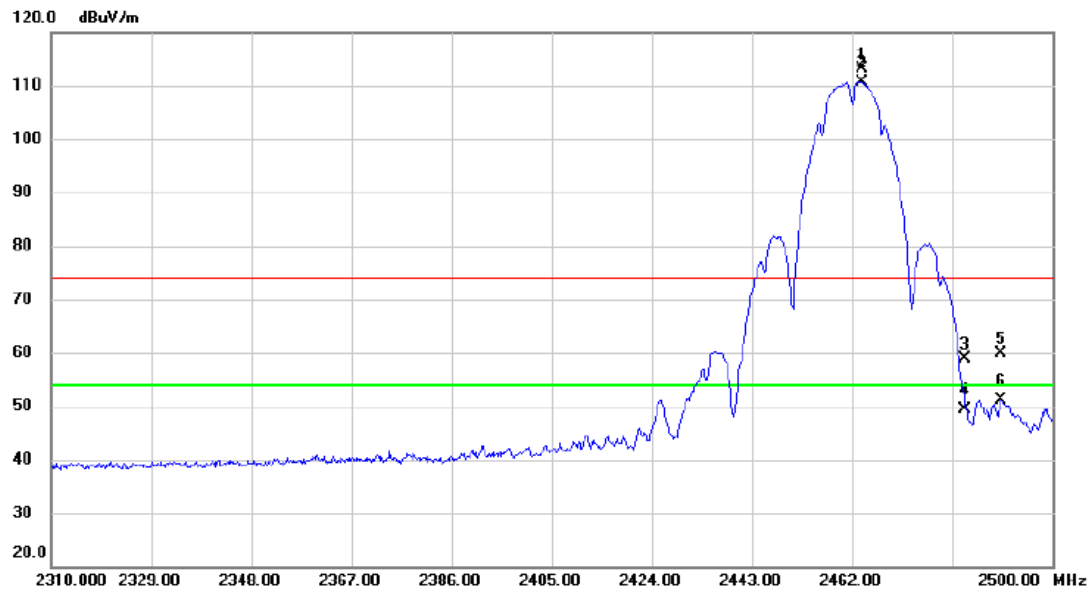
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4923.874	63.40	-10.63	52.77	74.00	-21.23	peak	
2		4924.109	60.72	-10.63	50.09	54.00	-3.91	AVG	
3		7384.396	61.44	-3.98	57.46	74.00	-16.54	peak	
4	*	7385.328	57.06	-3.98	53.08	54.00	-0.92	AVG	

REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Vertical



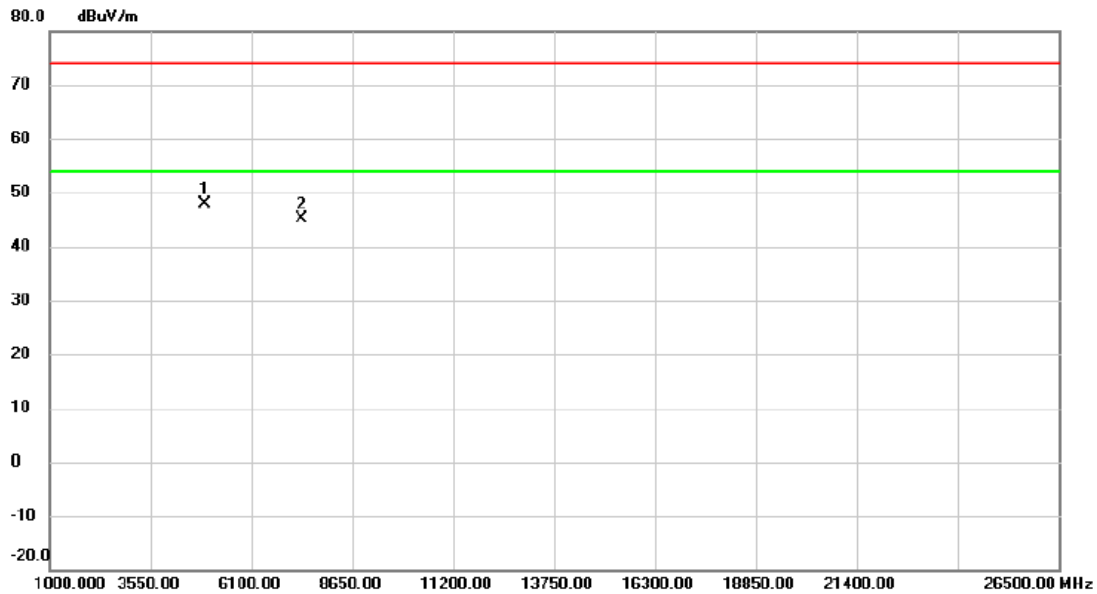
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2463.805	81.37	31.72	113.09	74.00	39.09	peak	No limit
2	*	2463.805	79.02	31.72	110.74	54.00	56.74	AVG	No limit
3		2483.500	27.15	31.72	58.87	74.00	-15.13	peak	
4		2483.500	17.77	31.72	49.49	54.00	-4.51	AVG	
5		2490.310	28.12	31.71	59.83	74.00	-14.17	peak	
6		2490.310	19.46	31.71	51.17	54.00	-2.83	AVG	

REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Horizontal



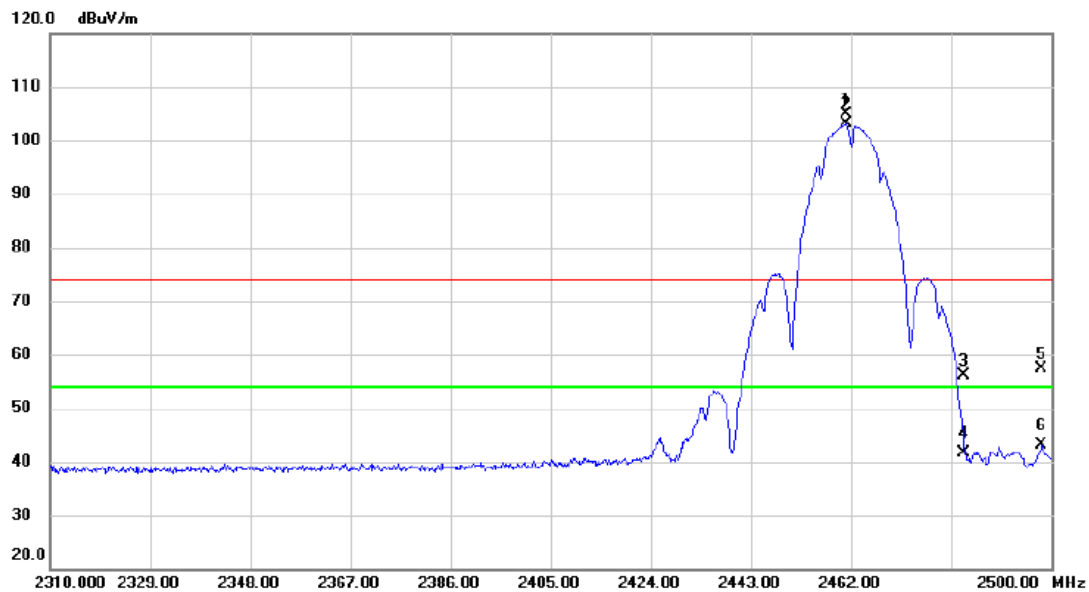
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4924.064	58.43	-10.63	47.80	74.00	-26.20	peak	
2		7385.090	49.16	-3.98	45.18	74.00	-28.82	peak	

REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Horizontal



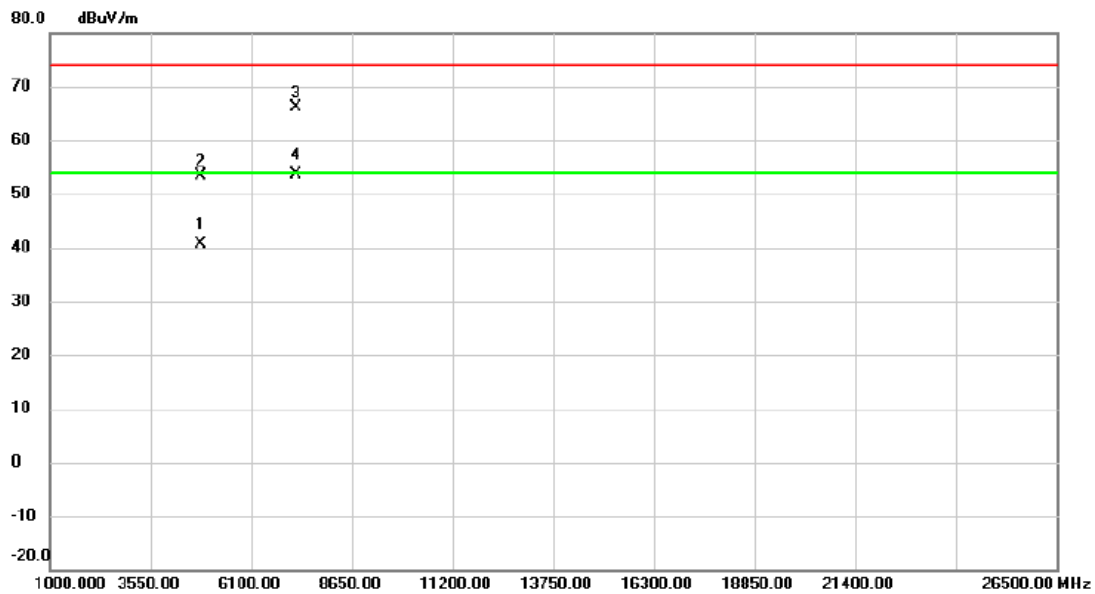
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2461.240	73.24	31.72	104.96	74.00	30.96	peak	No limit
2	*	2461.240	71.29	31.72	103.01	54.00	49.01	AVG	No limit
3		2483.500	24.45	31.72	56.17	74.00	-17.83	peak	
4		2483.500	9.94	31.72	41.66	54.00	-12.34	AVG	
5		2498.195	25.64	31.71	57.35	74.00	-16.65	peak	
6		2498.195	11.54	31.71	43.25	54.00	-10.75	AVG	

REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Vertical



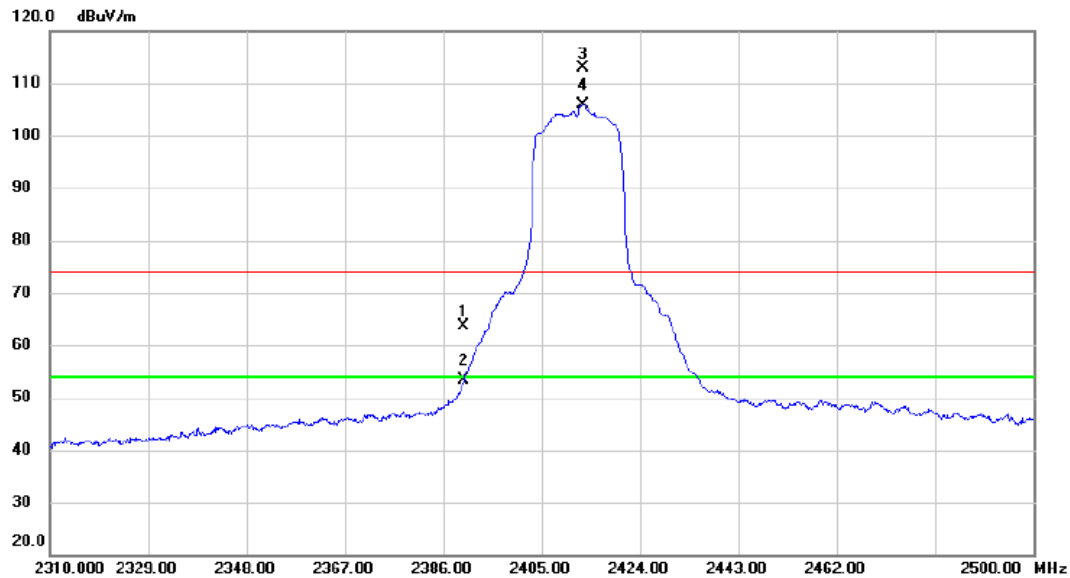
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		4823.348	51.53	-10.90	40.63	54.00	-13.37	AVG
2		4827.898	64.39	-10.90	53.49	74.00	-20.51	peak
3		7228.780	70.25	-4.18	66.07	74.00	-7.93	peak
4	*	7238.426	57.81	-4.16	53.65	54.00	-0.35	AVG

REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Vertical



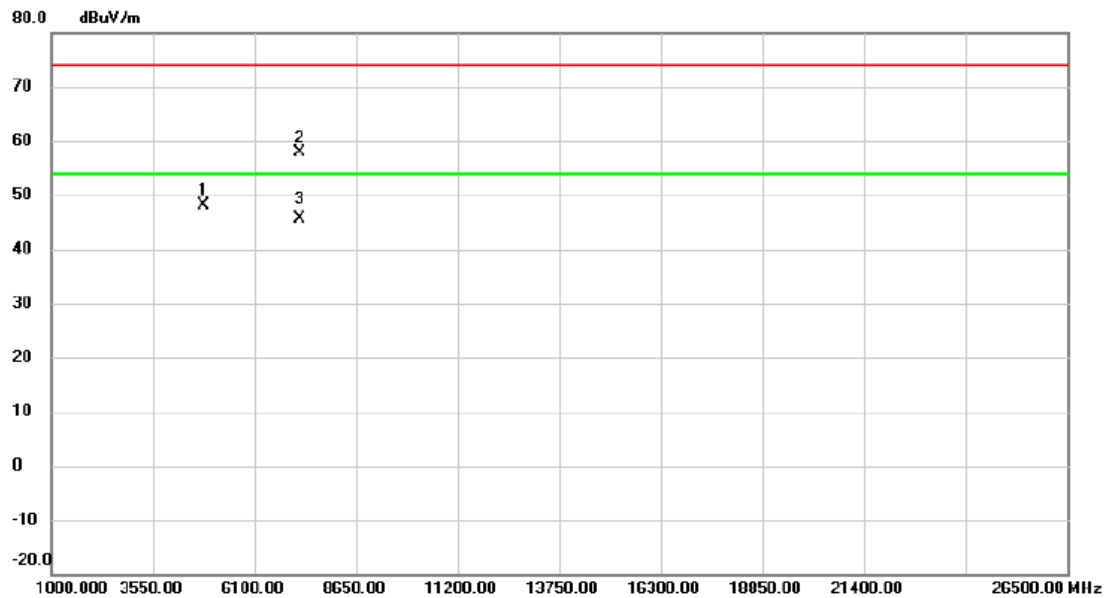
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	31.90	31.74	63.64	74.00	-10.36	peak	
2		2390.000	21.54	31.74	53.28	54.00	-0.72	AVG	
3	X	2412.885	81.28	31.72	113.00	74.00	39.00	peak	No limit
4	*	2412.885	74.20	31.72	105.92	54.00	51.92	AVG	No limit

REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Horizontal



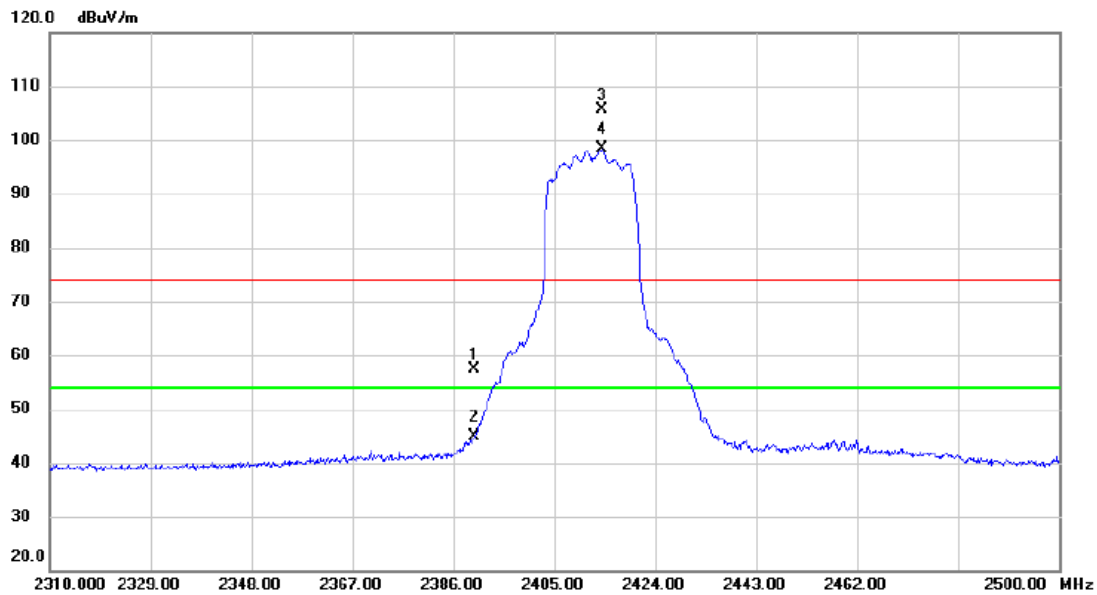
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4827.634	59.00	-10.90	48.10	74.00	-25.90	peak	
2		7238.554	62.06	-4.16	57.90	74.00	-16.10	peak	
3	*	7238.792	49.88	-4.16	45.72	54.00	-8.28	AVG	

REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Horizontal



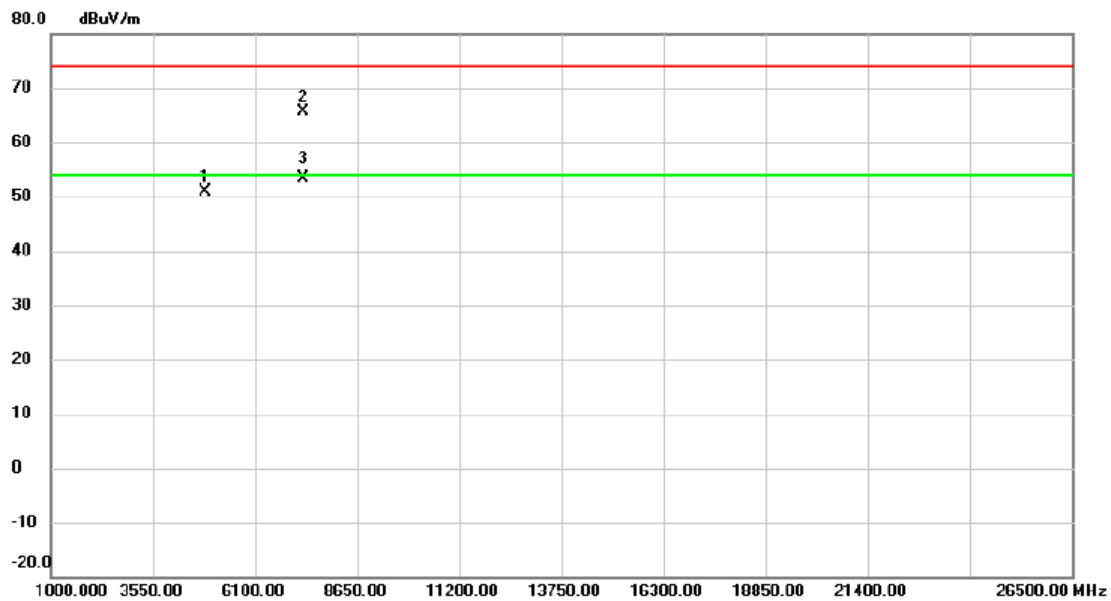
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	25.66	31.74	57.40	74.00	-16.60	peak	
2		2390.000	13.25	31.74	44.99	54.00	-9.01	AVG	
3	X	2413.930	73.98	31.72	105.70	74.00	31.70	peak	No limit
4	*	2413.930	66.56	31.72	98.28	54.00	44.28	AVG	No limit

REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Vertical



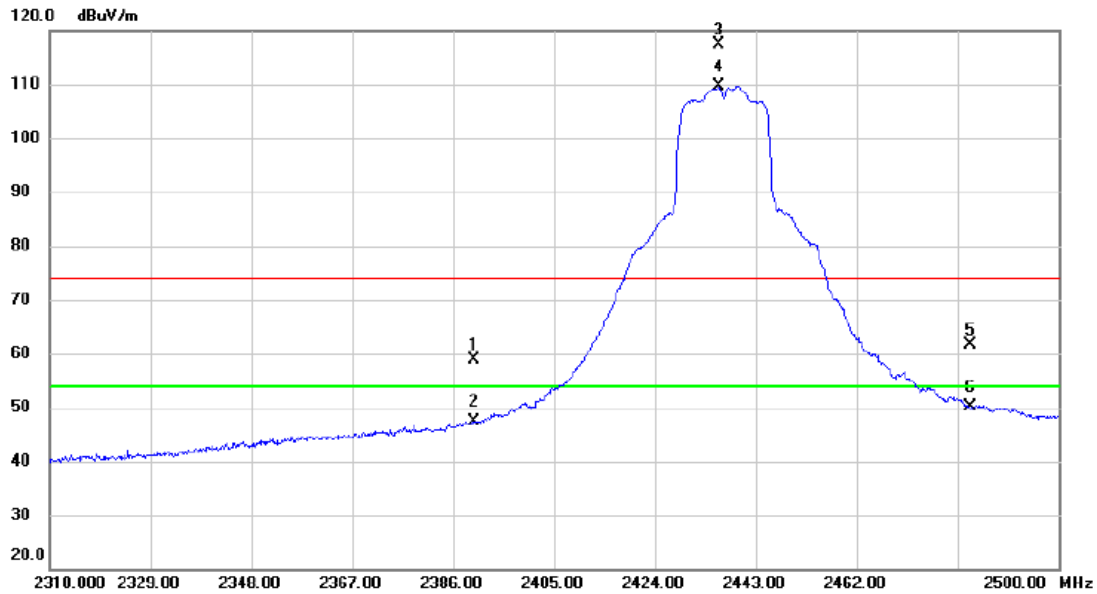
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4868.396	61.68	-10.80	50.88	74.00	-23.12	peak	
2		7311.734	69.69	-4.08	65.61	74.00	-8.39	peak	
3	*	7311.876	57.54	-4.08	53.46	54.00	-0.54	AVG	

REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	27.19	31.74	58.93	74.00	-15.07	peak	
2		2390.000	15.56	31.74	47.30	54.00	-6.70	AVG	
3	X	2436.065	85.76	31.71	117.47	74.00	43.47	peak	No limit
4	*	2436.065	77.90	31.71	109.61	54.00	55.61	AVG	No limit
5		2483.500	29.83	31.72	61.55	74.00	-12.45	peak	
6		2483.500	18.35	31.72	50.07	54.00	-3.93	AVG	

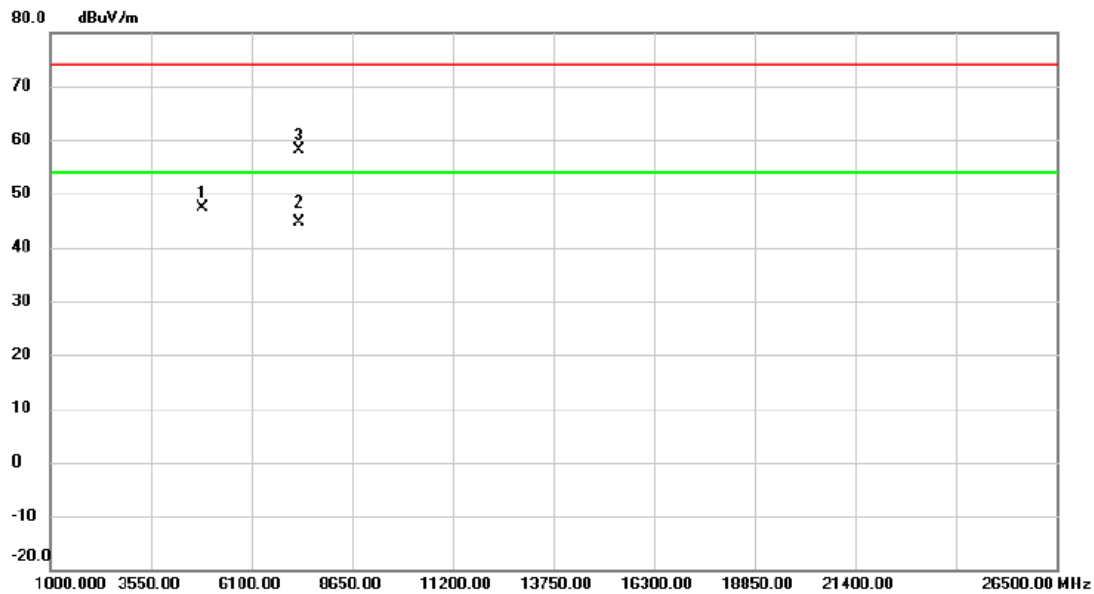
REMARKS:

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

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

Test Mode: TX G Mode 2437 MHz

Horizontal



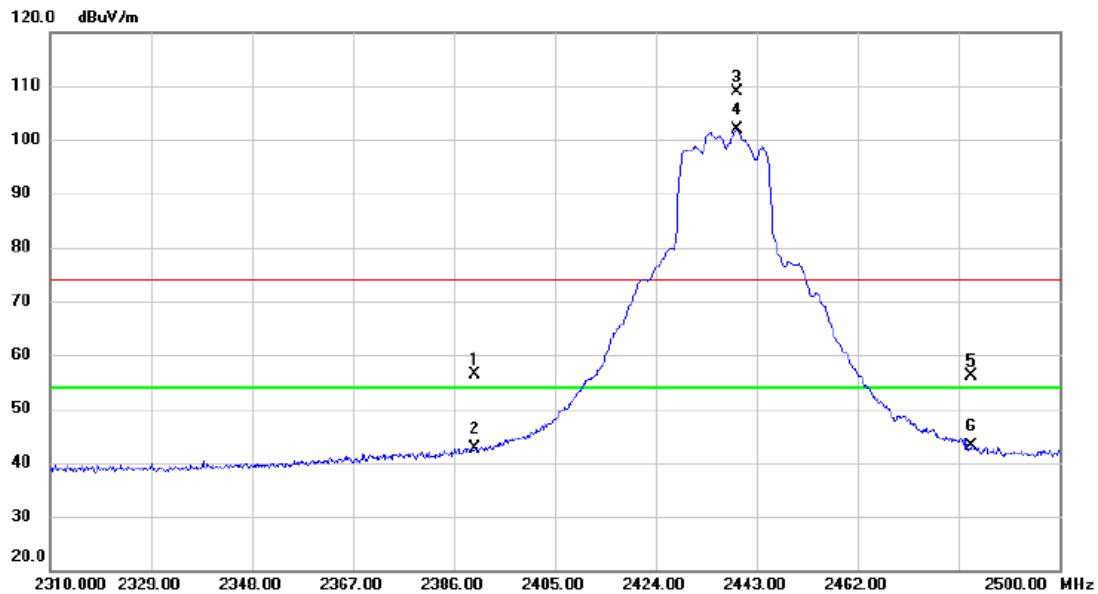
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4873.366	58.09	-10.79	47.30	74.00	-26.70	peak	
2	*	7311.288	48.80	-4.08	44.72	54.00	-9.28	AVG	
3		7311.787	62.19	-4.08	58.11	74.00	-15.89	peak	

REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	24.72	31.74	56.46	74.00	-17.54	peak	
2		2390.000	10.87	31.74	42.61	54.00	-11.39	AVG	
3	X	2439.295	77.22	31.72	108.94	74.00	34.94	peak	No limit
4	*	2439.295	70.16	31.72	101.88	54.00	47.88	AVG	No limit
5		2483.500	24.43	31.72	56.15	74.00	-17.85	peak	
6		2483.500	11.51	31.72	43.23	54.00	-10.77	AVG	

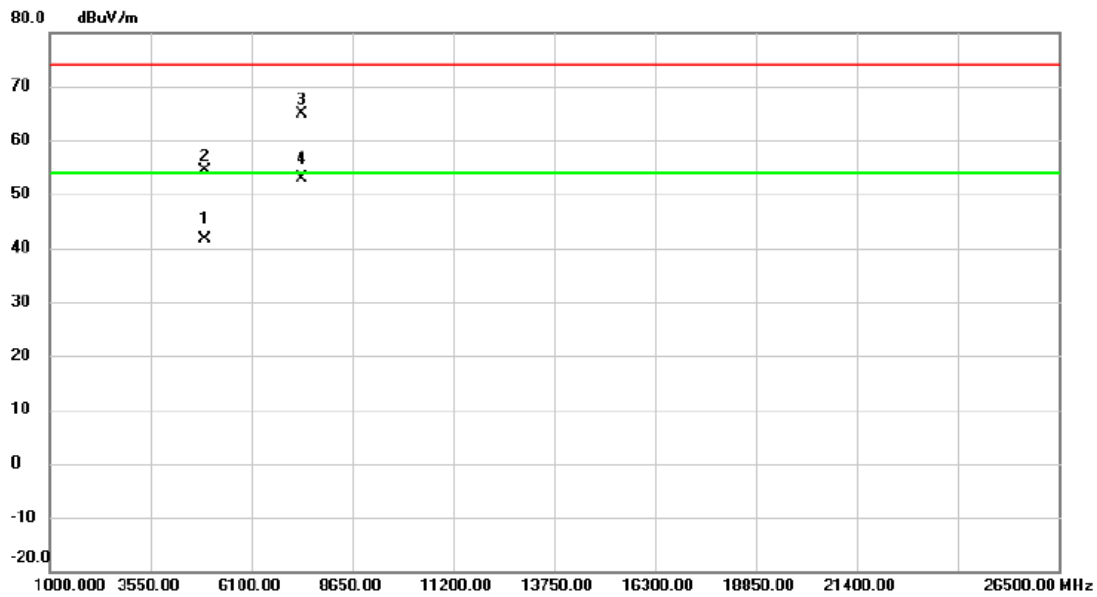
REMARKS:

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

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

Test Mode: TX G Mode 2462 MHz

Vertical



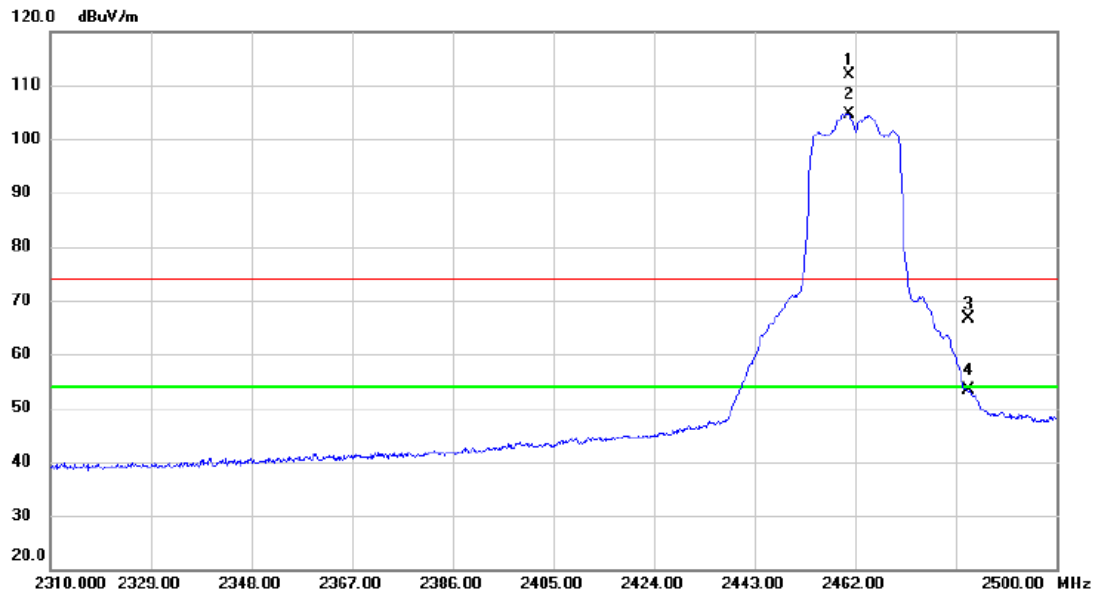
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4922.512	52.29	-10.63	41.66	54.00	-12.34	AVG	
2		4927.988	64.93	-10.61	54.32	74.00	-19.68	peak	
3		7378.830	68.94	-3.99	64.95	74.00	-9.05	peak	
4	*	7384.306	56.91	-3.98	52.93	54.00	-1.07	AVG	

REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Vertical



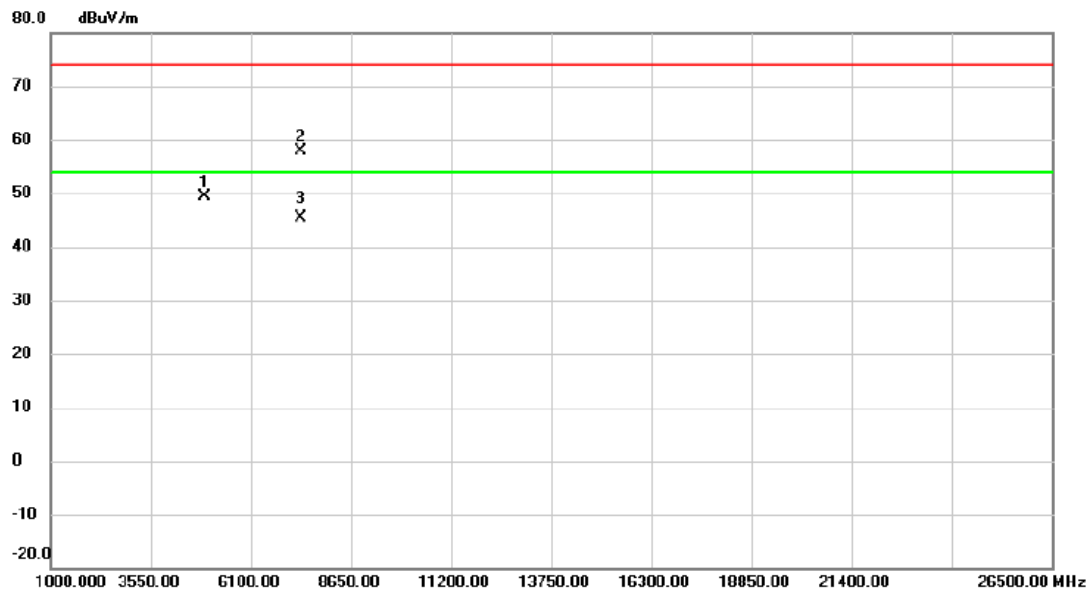
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2460.765	80.25	31.71	111.96	74.00	37.96	peak	No limit
2	*	2460.765	72.98	31.71	104.69	54.00	50.69	AVG	No limit
3		2483.500	34.79	31.72	66.51	74.00	-7.49	peak	
4		2483.500	21.58	31.72	53.30	54.00	-0.70	AVG	

REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Horizontal



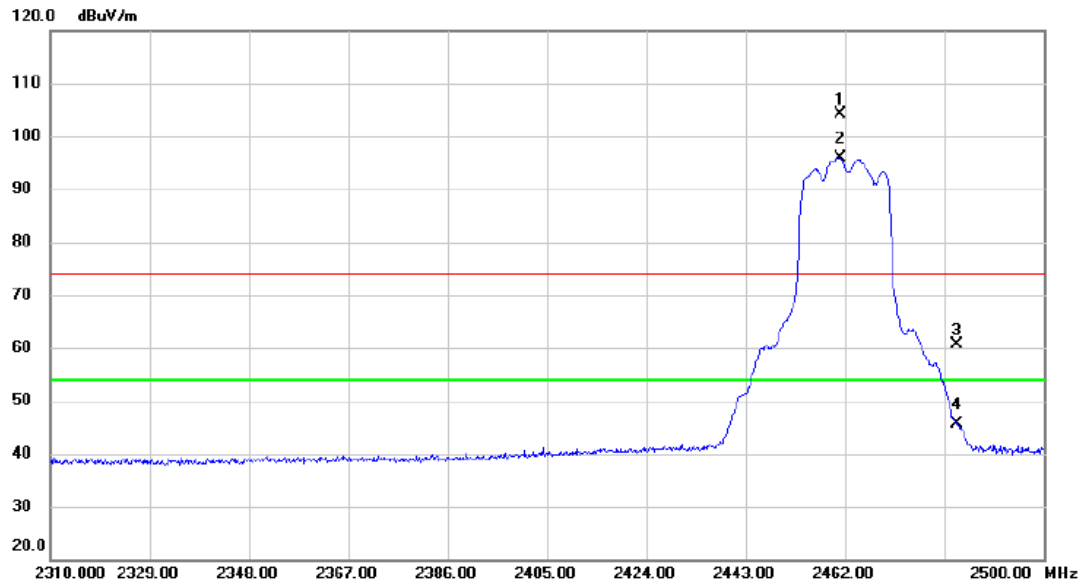
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4922.472	59.97	-10.63	49.34	74.00	-24.66	peak	
2		7379.094	61.82	-3.99	57.83	74.00	-16.17	peak	
3	*	7383.696	49.32	-3.98	45.34	54.00	-8.66	AVG	

REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Horizontal



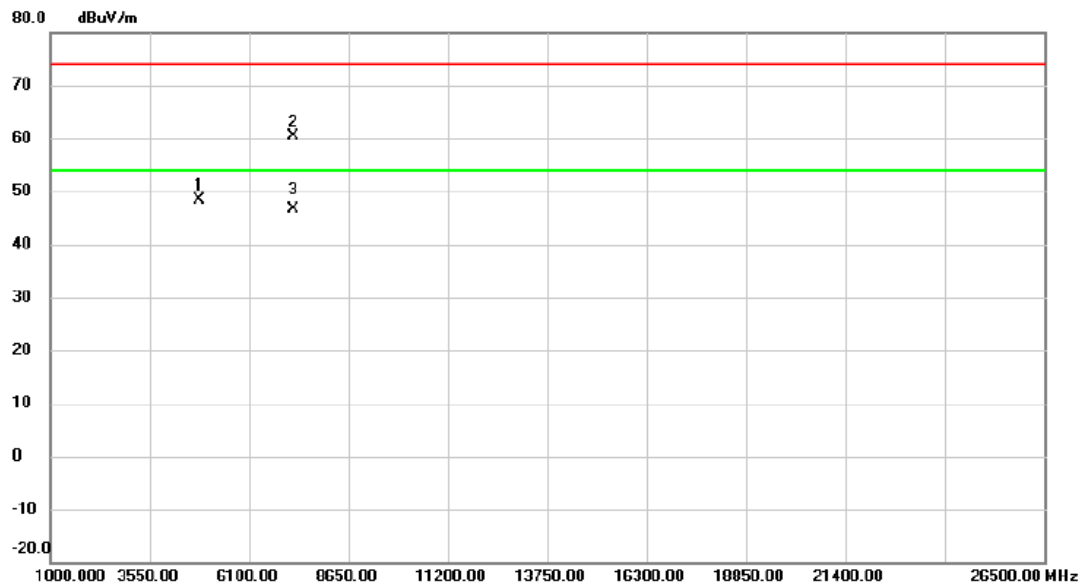
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2461.145	72.32	31.72	104.04	74.00	30.04	peak	No limit
2	*	2461.145	64.26	31.72	95.98	54.00	41.98	AVG	No limit
3		2483.500	28.80	31.72	60.52	74.00	-13.48	peak	
4		2483.500	13.85	31.72	45.57	54.00	-8.43	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Vertical



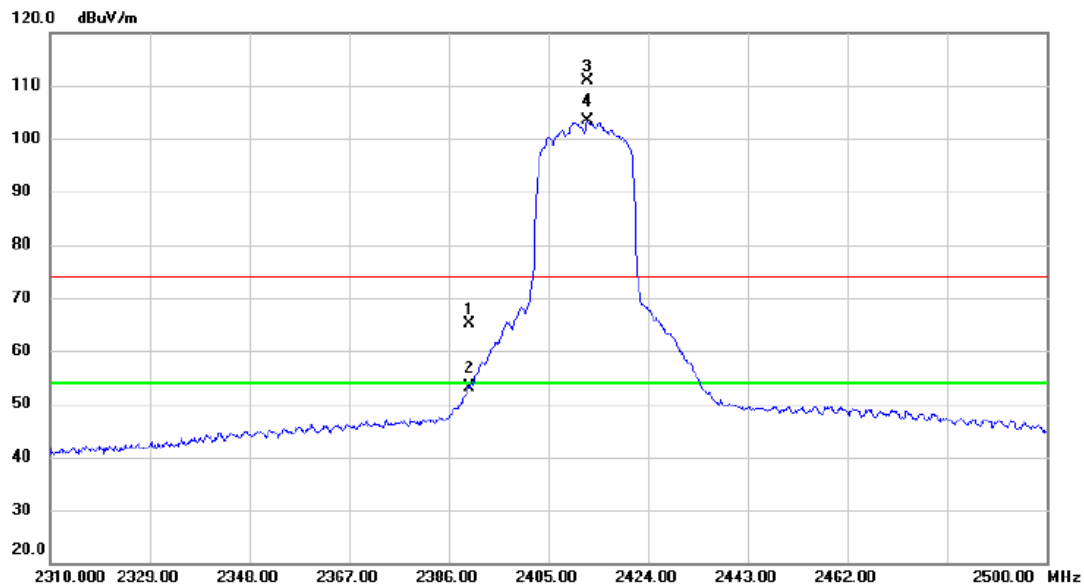
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4821.036	59.23	-10.91	48.32	74.00	-25.68	peak	
2		7229.610	64.50	-4.18	60.32	74.00	-13.68	peak	
3	*	7239.906	50.79	-4.16	46.63	54.00	-7.37	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Vertical



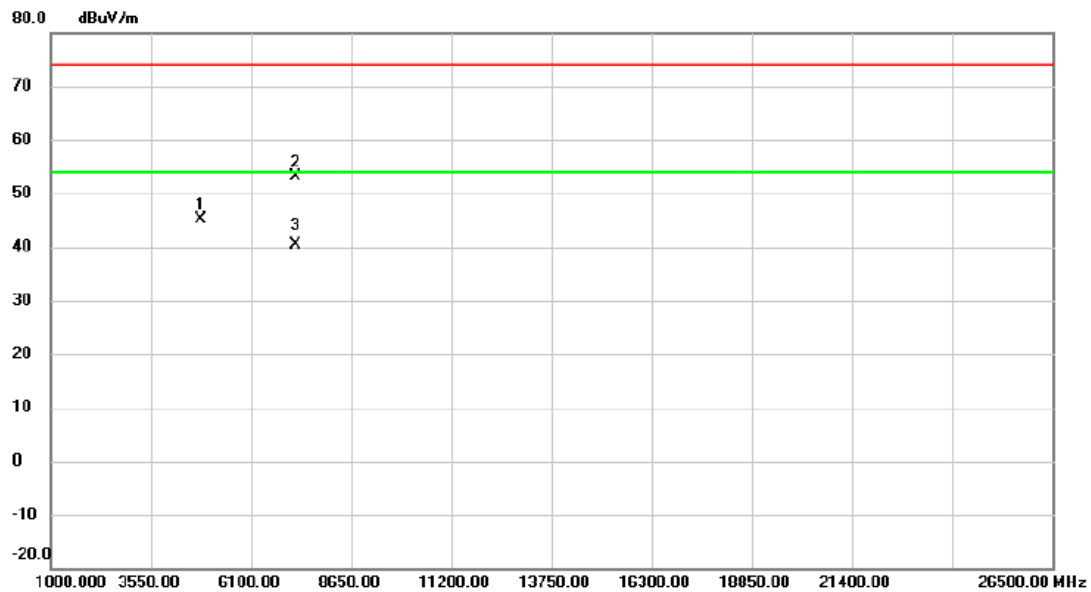
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	33.30	31.74	65.04	74.00	-8.96	peak	
2		2390.000	21.31	31.74	53.05	54.00	-0.95	AVG	
3	X	2412.505	79.13	31.72	110.85	74.00	36.85	peak	No limit
4	*	2412.505	71.54	31.72	103.26	54.00	49.26	AVG	No limit

REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Horizontal



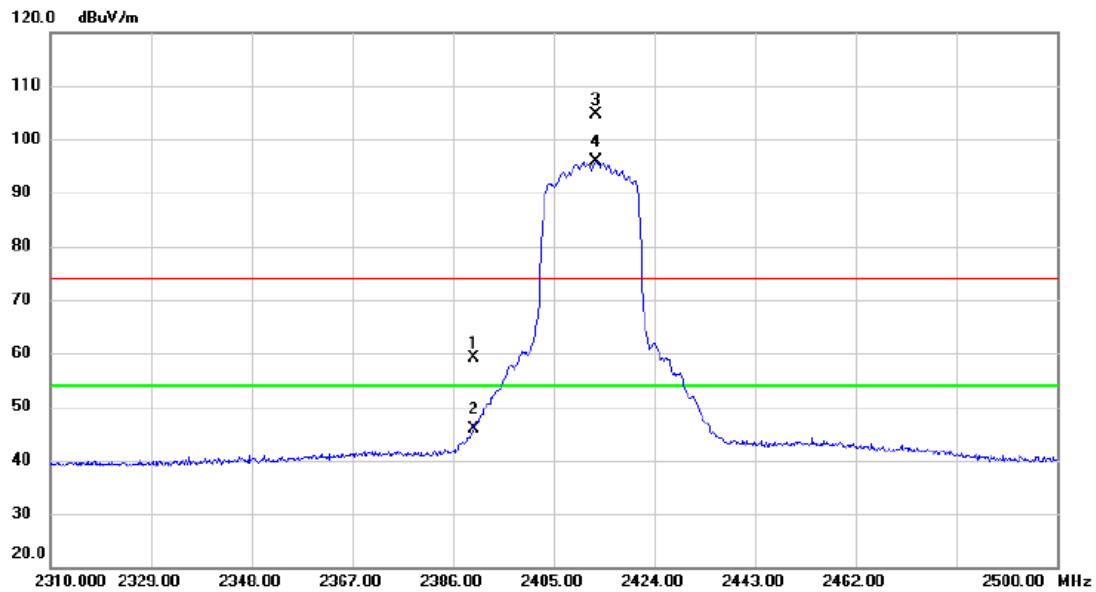
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4826.024	56.15	-10.91	45.24	74.00	-28.76	peak	
2		7235.196	57.23	-4.17	53.06	74.00	-20.94	peak	
3	*	7237.448	44.53	-4.17	40.36	54.00	-13.64	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Horizontal



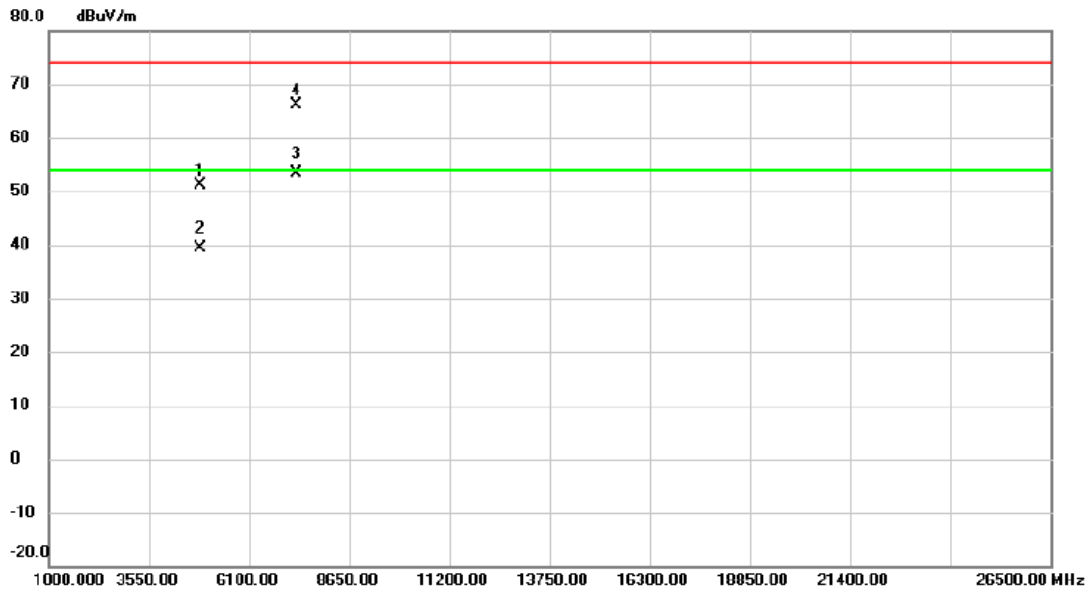
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	27.43	31.74	59.17	74.00	-14.83	peak	
2		2390.000	14.02	31.74	45.76	54.00	-8.24	AVG	
3	X	2413.075	72.94	31.72	104.66	74.00	30.66	peak	No limit
4	*	2413.075	64.23	31.72	95.95	54.00	41.95	AVG	No limit

REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Vertical



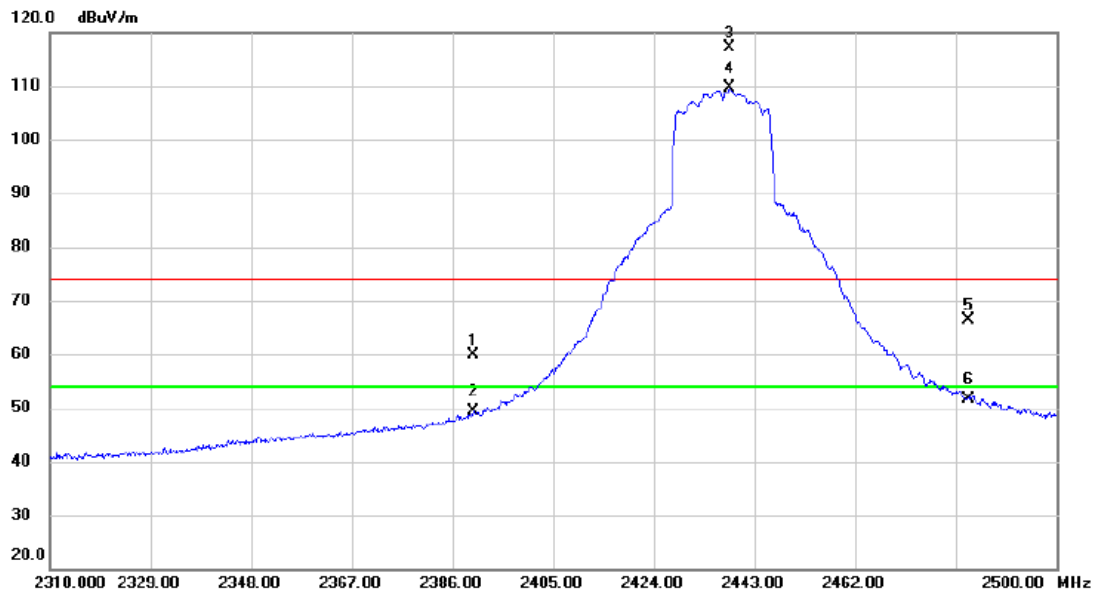
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4870.812	62.01	-10.79	51.22	74.00	-22.78	peak	
2		4871.248	50.20	-10.79	39.41	54.00	-14.59	AVG	
3	*	7309.848	57.41	-4.08	53.33	54.00	-0.67	AVG	
4		7310.314	70.22	-4.08	66.14	74.00	-7.86	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



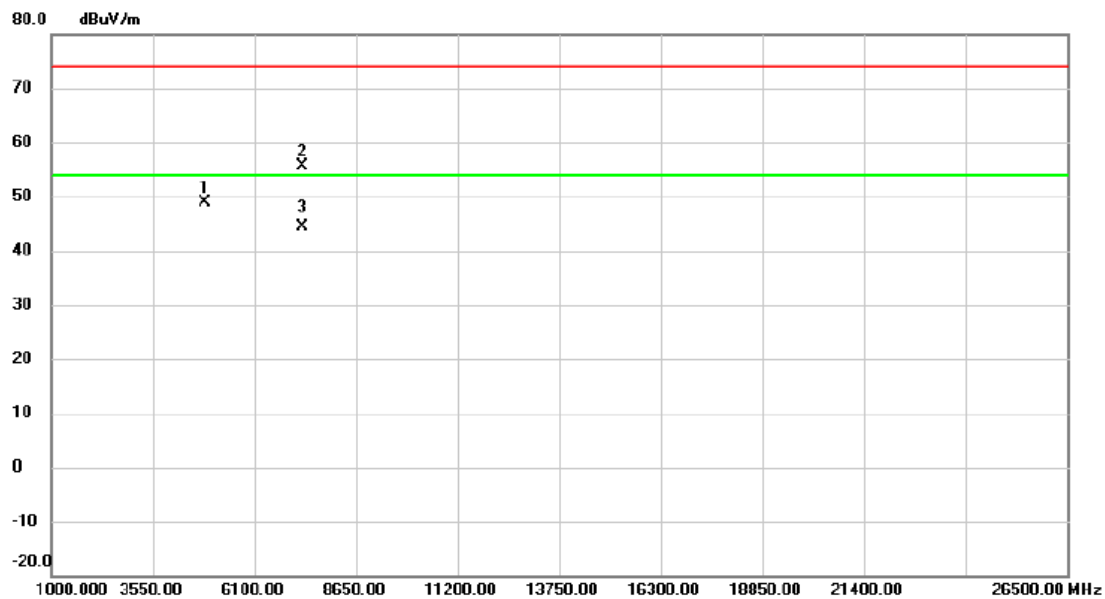
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	28.12	31.74	59.86	74.00	-14.14	peak	
2		2390.000	17.59	31.74	49.33	54.00	-4.67	AVG	
3	X	2438.345	85.44	31.71	117.15	74.00	43.15	peak	No limit
4	*	2438.345	77.85	31.71	109.56	54.00	55.56	AVG	No limit
5		2483.500	34.58	31.72	66.30	74.00	-7.70	peak	
6		2483.500	19.87	31.72	51.59	54.00	-2.41	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



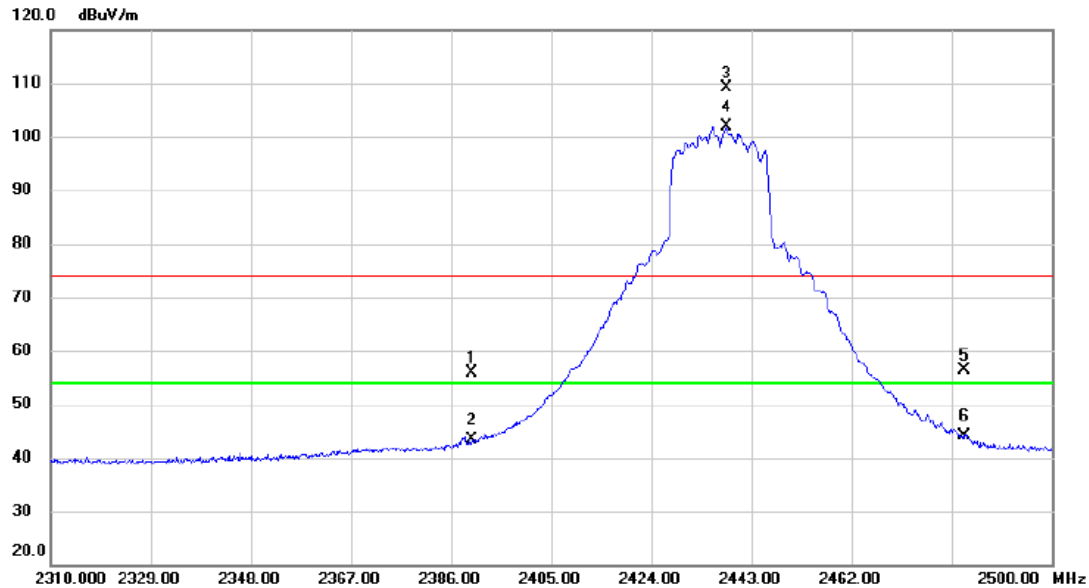
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4873.342	59.56	-10.79	48.77	74.00	-25.23	peak	
2		7302.128	59.73	-4.08	55.65	74.00	-18.35	peak	
3	*	7310.340	48.44	-4.08	44.36	54.00	-9.64	AVG	

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.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	24.20	31.74	55.94	74.00	-18.06	peak	
2		2390.000	11.65	31.74	43.39	54.00	-10.61	AVG	
3	X	2438.345	77.54	31.71	109.25	74.00	35.25	peak	No limit
4	*	2438.345	70.17	31.71	101.88	54.00	47.88	AVG	No limit
5		2483.500	24.68	31.72	56.40	74.00	-17.60	peak	
6		2483.500	12.34	31.72	44.06	54.00	-9.94	AVG	

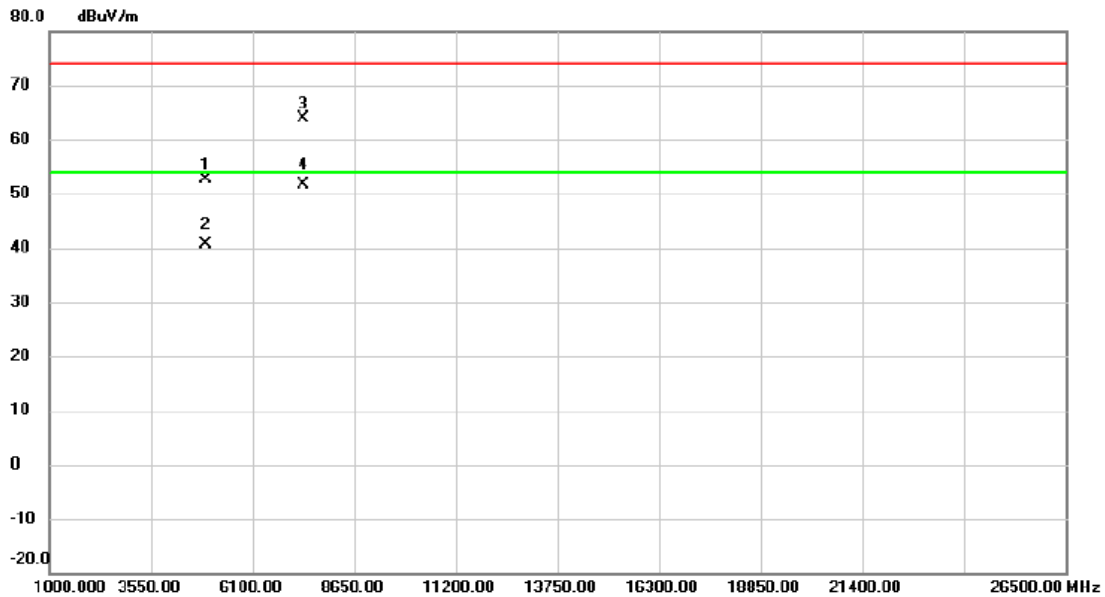
REMARKS:

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

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

Test Mode: TX N-20M Mode 2462 MHz

Vertical



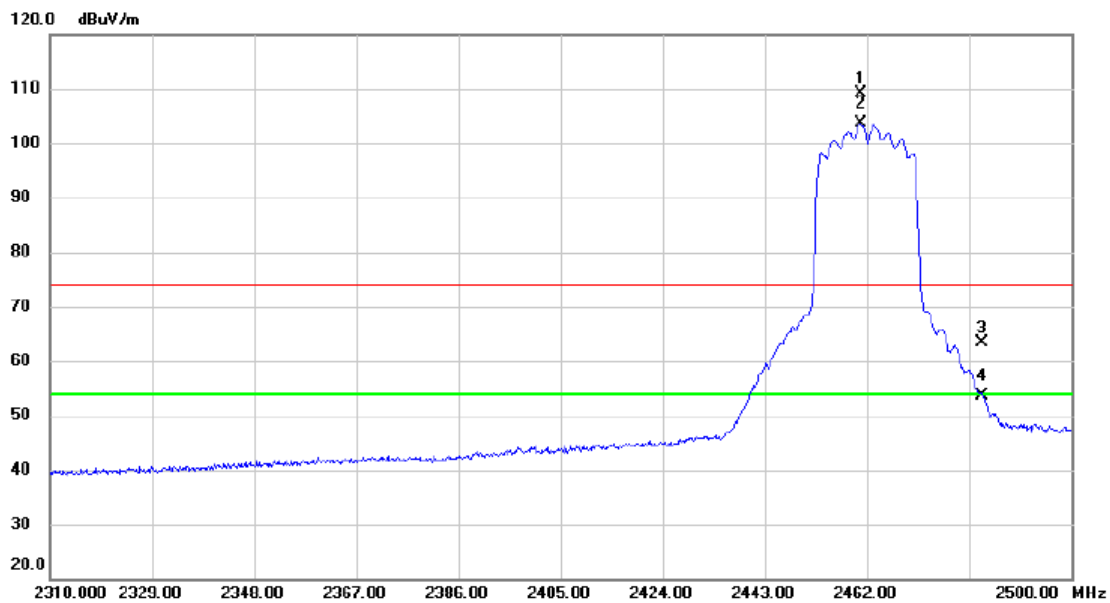
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4921.014	63.27	-10.64	52.63	74.00	-21.37	peak	
2		4923.384	51.35	-10.63	40.72	54.00	-13.28	AVG	
3		7382.400	67.74	-3.98	63.76	74.00	-10.24	peak	
4	*	7385.004	55.51	-3.98	51.53	54.00	-2.47	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



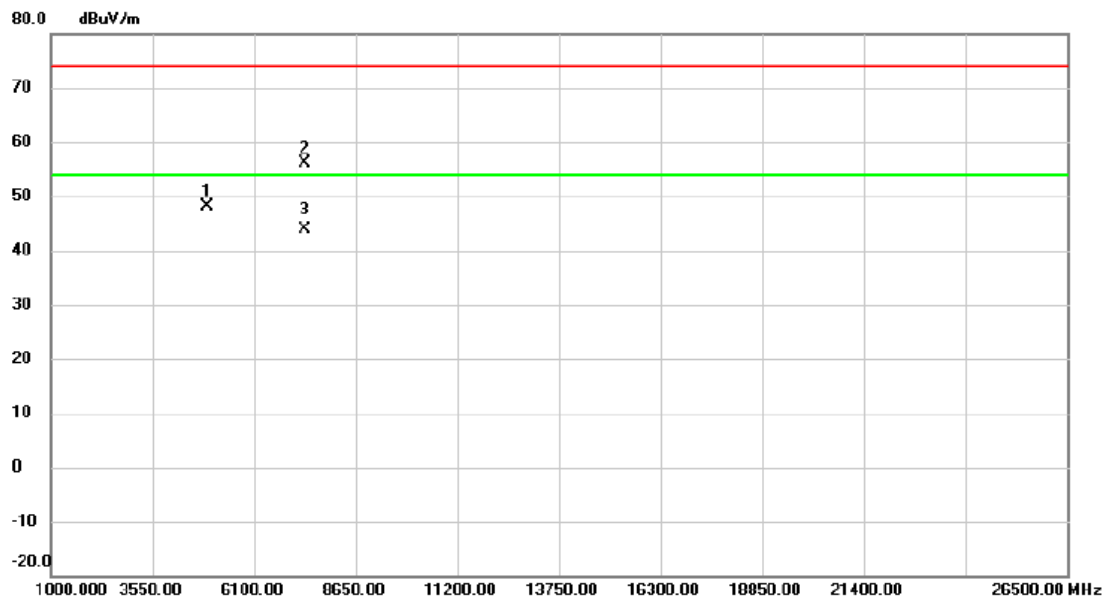
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2460.765	77.52	31.71	109.23	74.00	35.23	peak	No limit
2	*	2460.765	71.81	31.71	103.52	54.00	49.52	AVG	No limit
3		2483.500	31.76	31.72	63.48	74.00	-10.52	peak	
4		2483.500	21.84	31.72	53.56	54.00	-0.44	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Horizontal



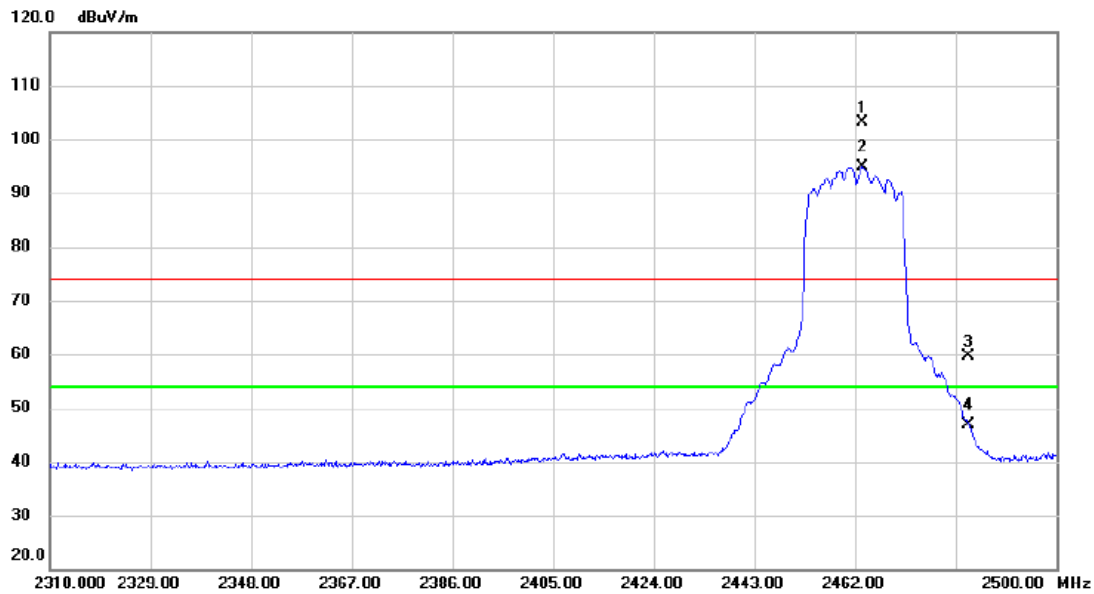
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4918.564	58.75	-10.65	48.10	74.00	-25.90	peak	
2		7382.124	60.17	-3.98	56.19	74.00	-17.81	peak	
3	*	7382.134	47.76	-3.98	43.78	54.00	-10.22	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Horizontal



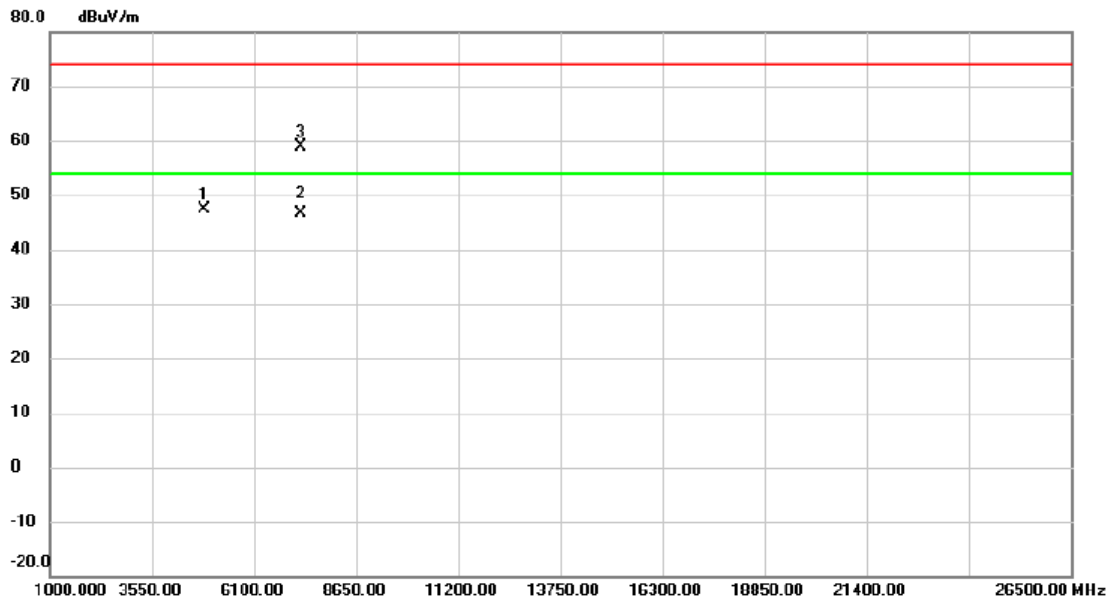
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2463.425	71.38	31.72	103.10	74.00	29.10	peak	No limit
2	*	2463.425	63.10	31.72	94.82	54.00	40.82	AVG	No limit
3		2483.500	27.83	31.72	59.55	74.00	-14.45	peak	
4		2483.500	15.27	31.72	46.99	54.00	-7.01	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2422MHz

Vertical



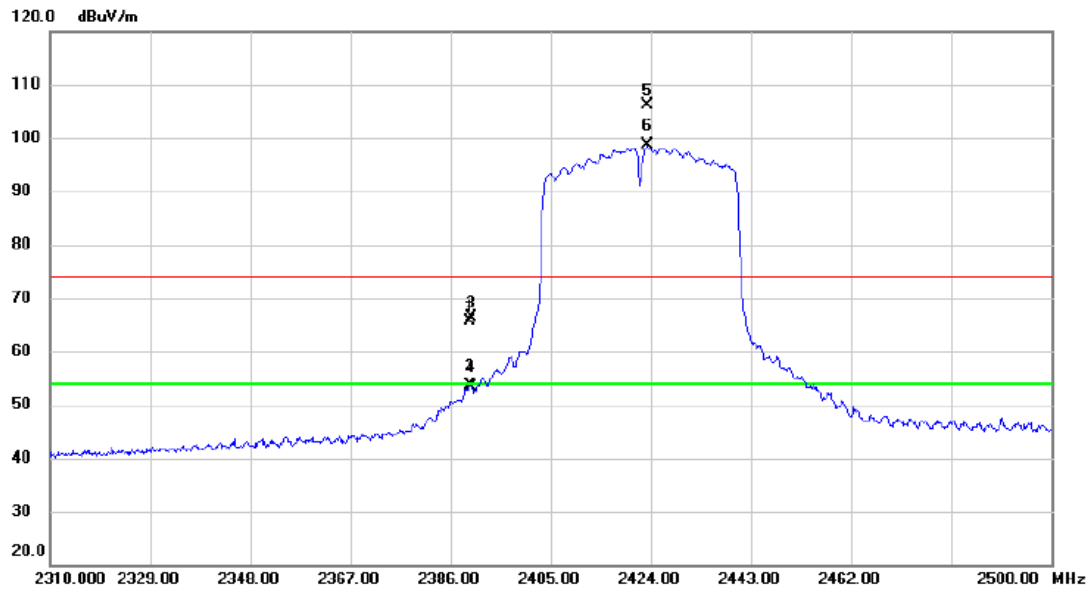
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4843.268	58.15	-10.86	47.29	74.00	-26.71	peak	
2	*	7265.016	50.66	-4.13	46.53	54.00	-7.47	AVG	
3		7265.284	62.91	-4.13	58.78	74.00	-15.22	peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2422MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2389.610	33.93	31.74	65.67	74.00	-8.33	peak	
2		2389.610	22.00	31.74	53.74	54.00	-0.26	AVG	
3		2390.000	34.52	31.74	66.26	74.00	-7.74	peak	
4		2390.000	21.65	31.74	53.39	54.00	-0.61	AVG	
5	X	2423.430	74.47	31.72	106.19	74.00	32.19	peak	No limit
6	*	2423.430	66.87	31.72	98.59	54.00	44.59	AVG	No limit

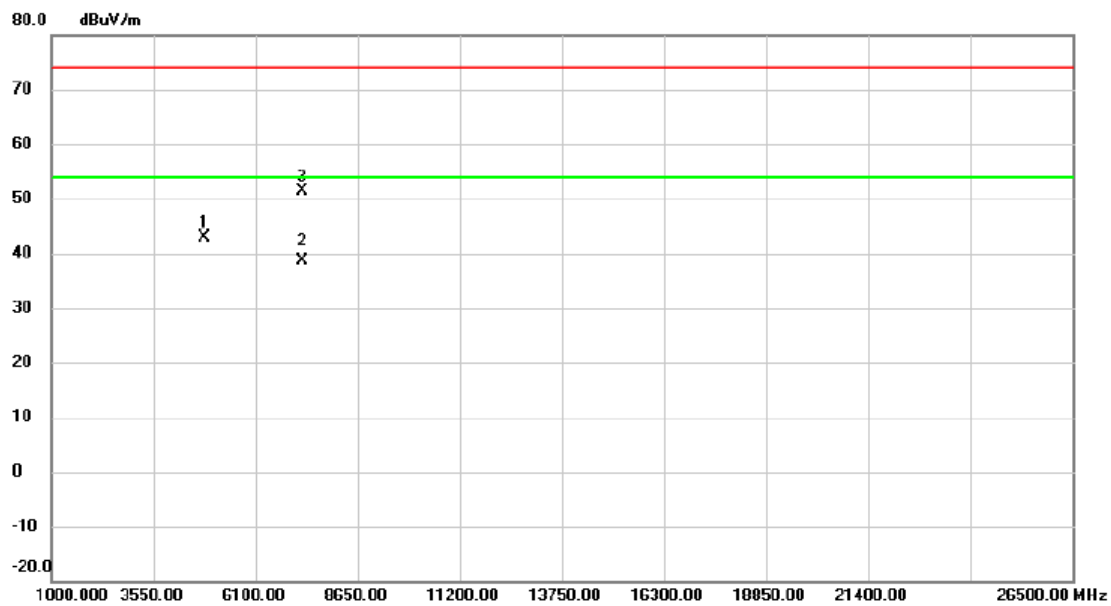
REMARKS:

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

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

Test Mode: TX N-40M Mode 2422MHz

Horizontal



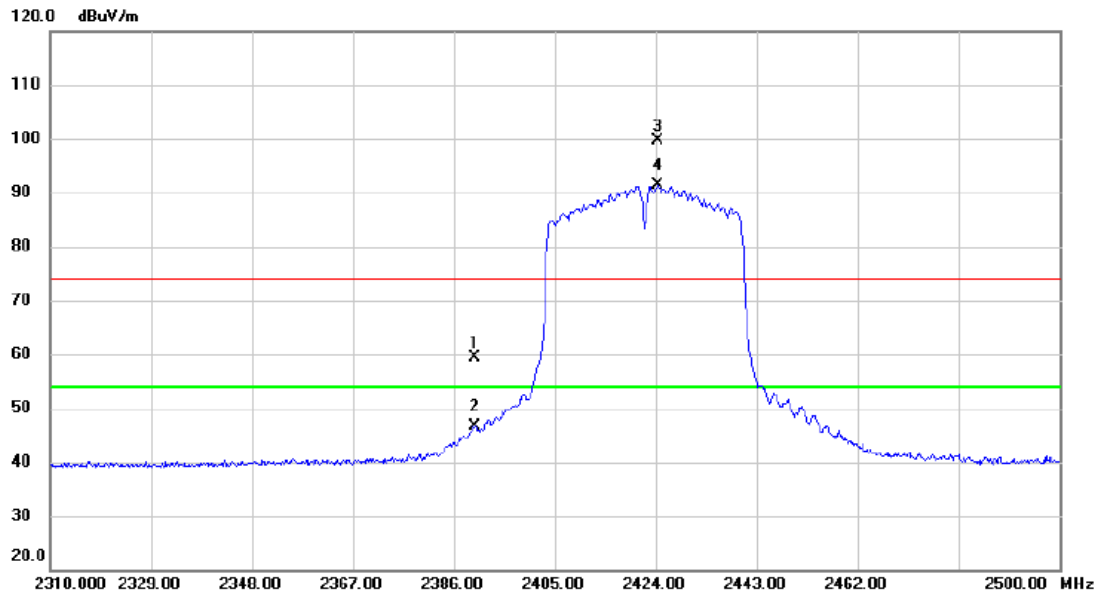
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4840.604	53.69	-10.87	42.82	74.00	-31.18	peak	
2	*	7260.168	42.84	-4.14	38.70	54.00	-15.30	AVG	
3		7262.576	55.46	-4.13	51.33	74.00	-22.67	peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2422MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	27.61	31.74	59.35	74.00	-14.65	peak	
2		2390.000	14.77	31.74	46.51	54.00	-7.49	AVG	
3	X	2424.380	67.79	31.72	99.51	74.00	25.51	peak	No limit
4	*	2424.380	59.54	31.72	91.26	54.00	37.26	AVG	No limit

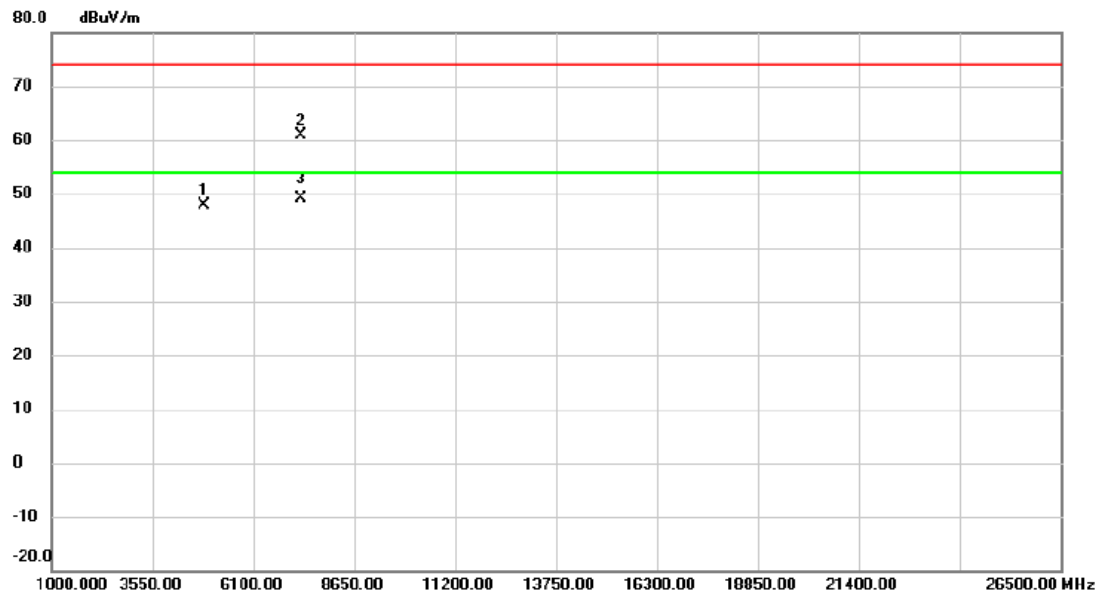
REMARKS:

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

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

Test Mode: TX N-40M Mode 2437 MHz

Vertical



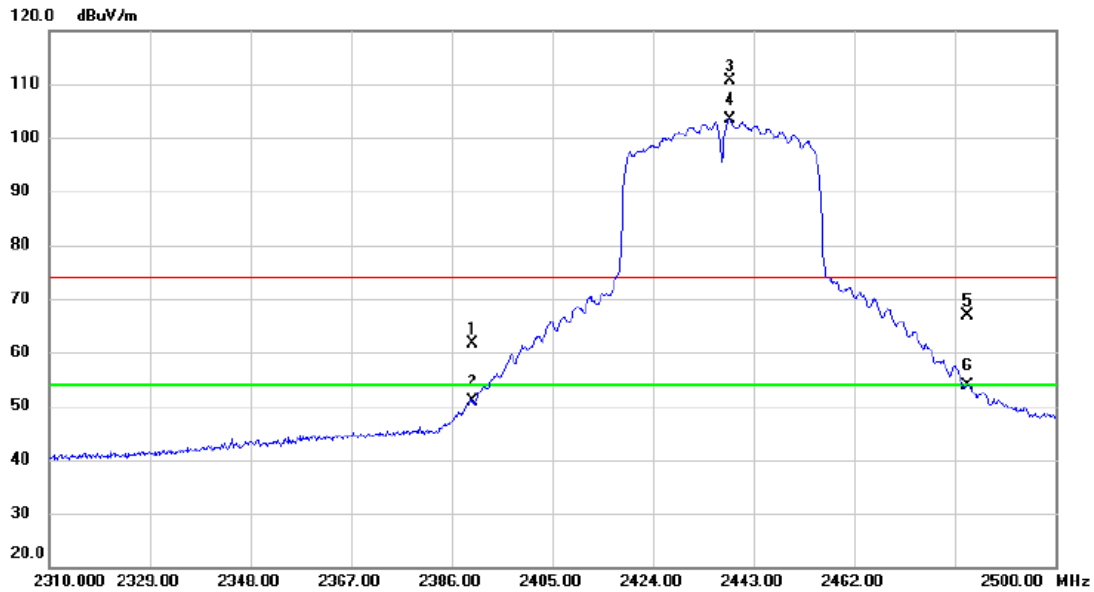
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4872.876	58.73	-10.79	47.94	74.00	-26.06	peak	
2		7308.976	64.88	-4.08	60.80	74.00	-13.20	peak	
3	*	7309.098	53.16	-4.08	49.08	54.00	-4.92	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	29.89	31.74	61.63	74.00	-12.37	peak	
2		2390.000	19.03	31.74	50.77	54.00	-3.23	AVG	
3	X	2438.440	78.89	31.71	110.60	74.00	36.60	peak	No limit
4	*	2438.440	71.79	31.71	103.50	54.00	49.50	AVG	No limit
5		2483.500	35.18	31.72	66.90	74.00	-7.10	peak	
6		2483.500	22.06	31.72	53.78	54.00	-0.22	AVG	

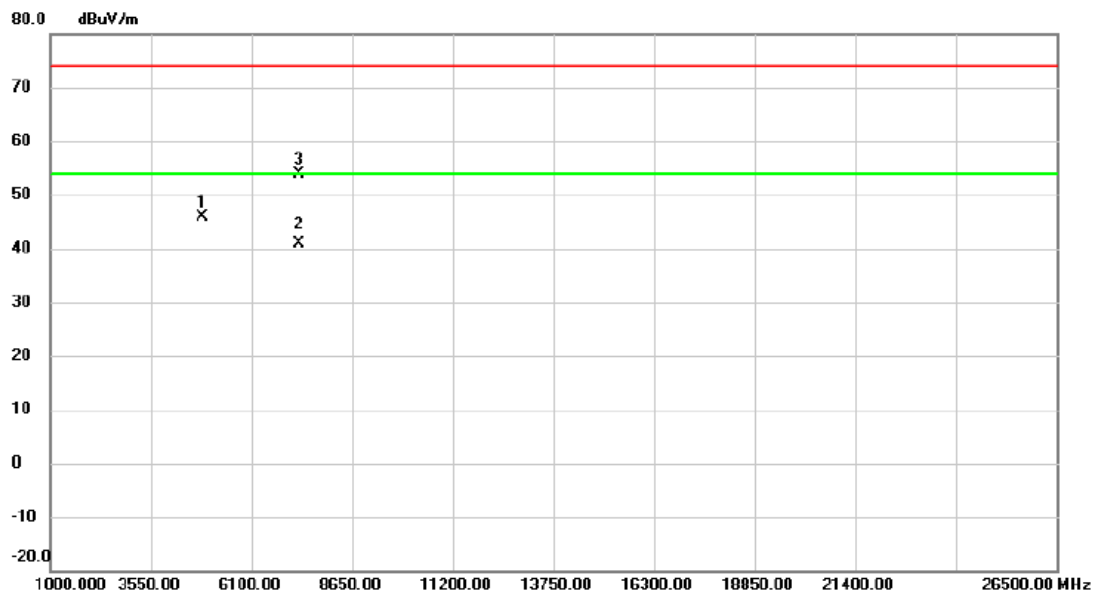
REMARKS:

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

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

Test Mode: TX N-40M Mode 2437 MHz

Horizontal



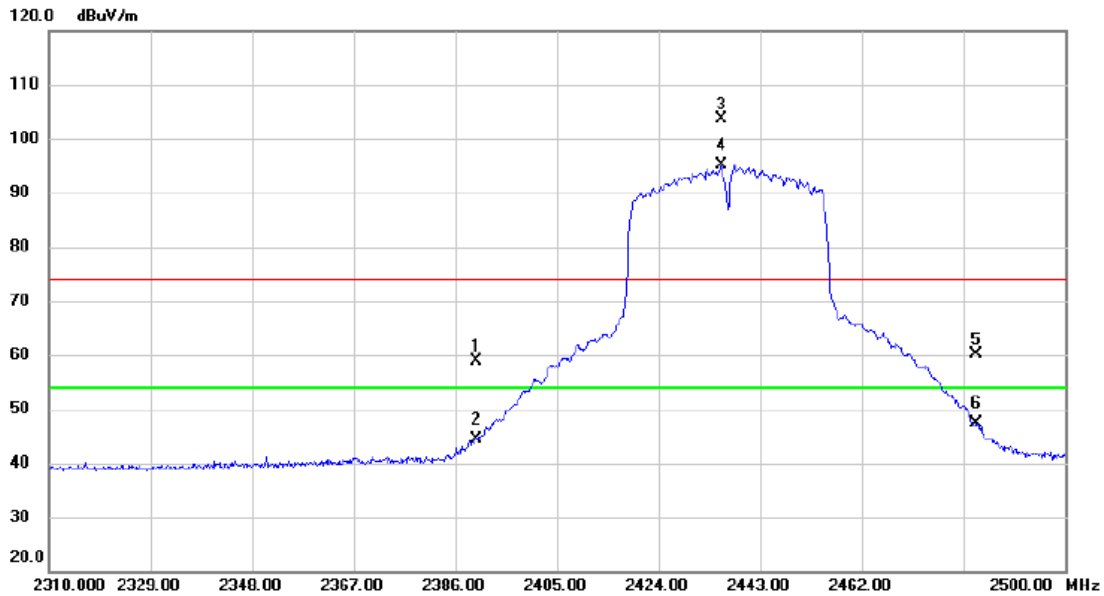
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4873.725	56.60	-10.79	45.81	74.00	-28.19	peak	
2	*	7303.912	44.99	-4.08	40.91	54.00	-13.09	AVG	
3		7306.512	57.91	-4.08	53.83	74.00	-20.17	peak	

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.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	27.12	31.74	58.86	74.00	-15.14	peak	
2		2390.000	12.68	31.74	44.42	54.00	-9.58	AVG	
3	X	2435.685	71.91	31.71	103.62	74.00	29.62	peak	No limit
4	*	2435.685	63.50	31.71	95.21	54.00	41.21	AVG	No limit
5		2483.500	28.34	31.72	60.06	74.00	-13.94	peak	
6		2483.500	15.57	31.72	47.29	54.00	-6.71	AVG	

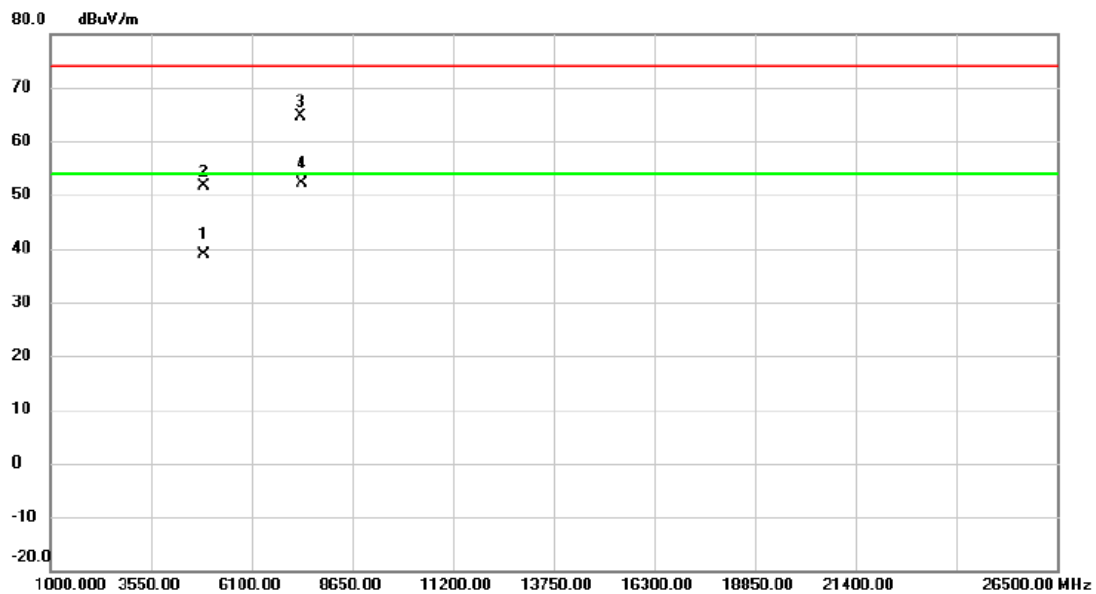
REMARKS:

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

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

Test Mode: TX N-40M Mode 2452 MHz

Vertical



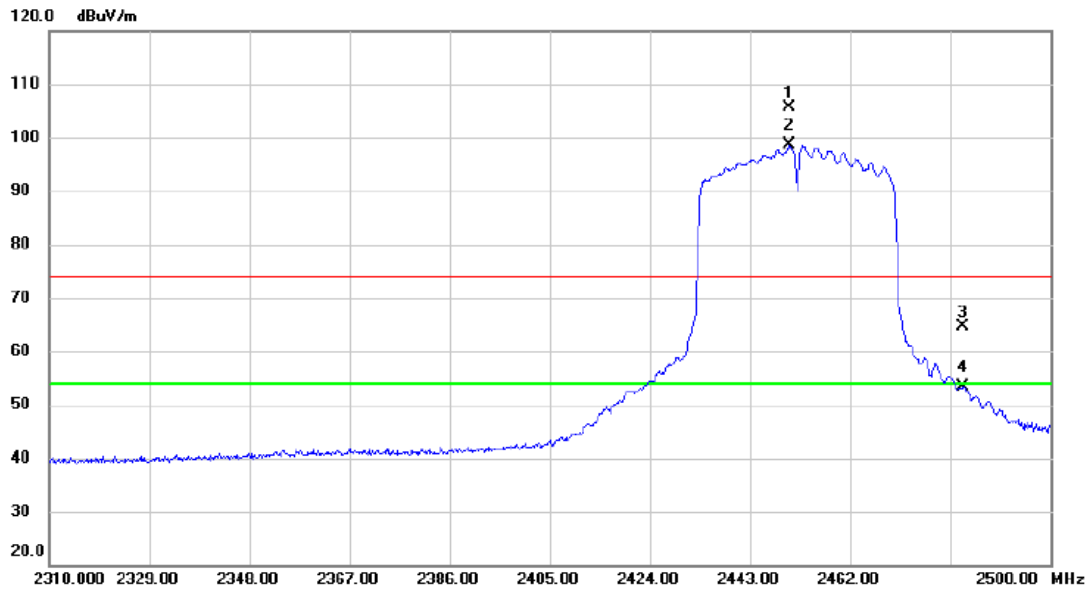
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4903.303	49.52	-10.72	38.80	54.00	-15.20	AVG	
2		4903.361	62.42	-10.72	51.70	74.00	-22.30	peak	
3		7357.668	68.56	-4.02	64.54	74.00	-9.46	peak	
4	*	7364.828	56.22	-4.00	52.22	54.00	-1.78	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



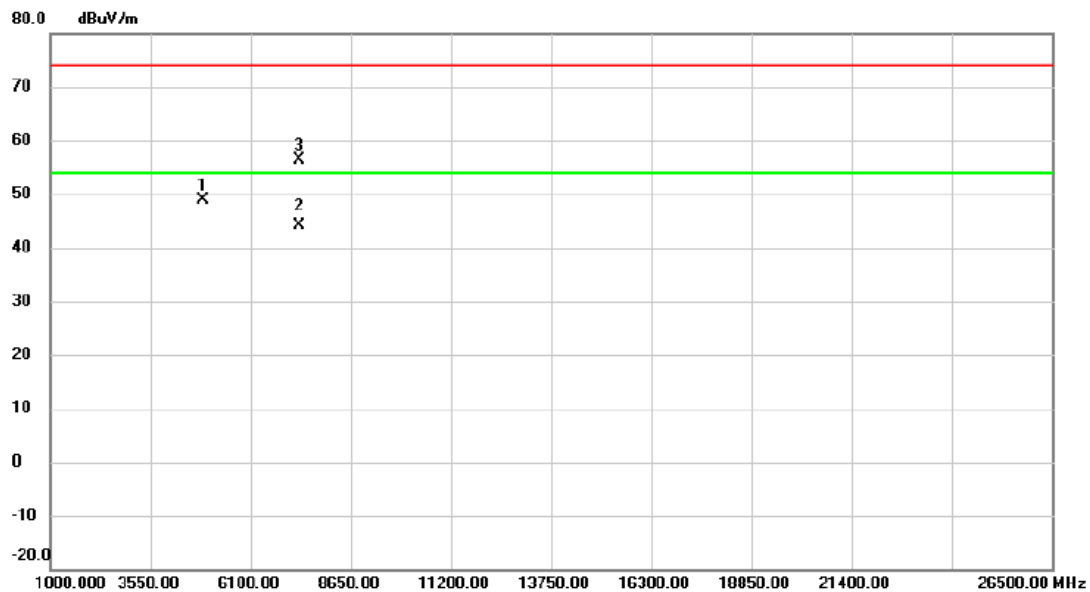
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2450.600	73.82	31.72	105.54	74.00	31.54	peak	No limit
2	*	2450.600	66.86	31.72	98.58	54.00	44.58	AVG	No limit
3		2483.500	32.97	31.72	64.69	74.00	-9.31	peak	
4		2483.500	21.60	31.72	53.32	54.00	-0.68	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

Horizontal



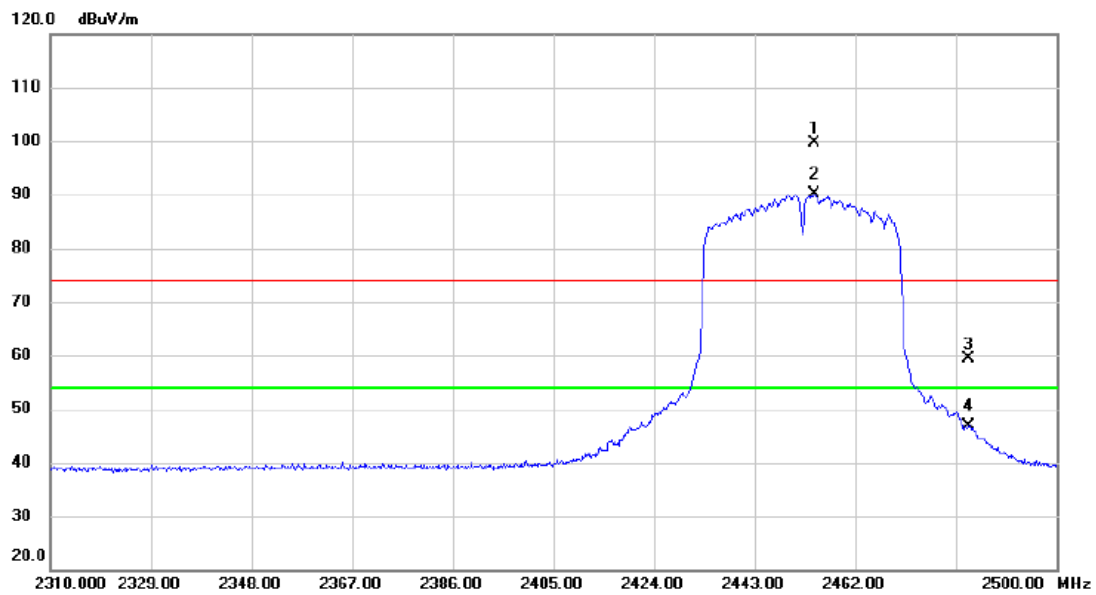
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4903.565	59.67	-10.72	48.95	74.00	-25.05	peak	
2	*	7357.341	48.05	-4.02	44.03	54.00	-9.97	AVG	
3		7357.553	60.37	-4.02	56.35	74.00	-17.65	peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2454.210	67.95	31.72	99.67	74.00	25.67	peak	No limit
2	*	2454.210	58.41	31.72	90.13	54.00	36.13	AVG	No limit
3		2483.500	27.61	31.72	59.33	74.00	-14.67	peak	
4		2483.500	15.16	31.72	46.88	54.00	-7.12	AVG	

REMARKS:

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

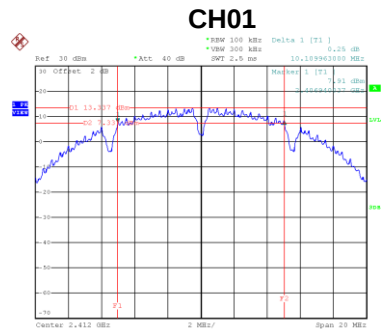
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

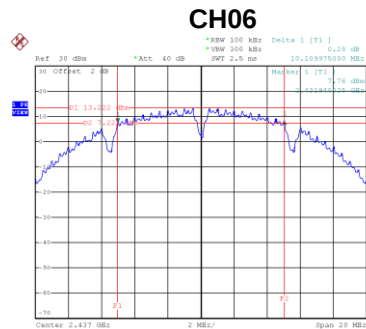
CDD

Test Mode	TX B Mode
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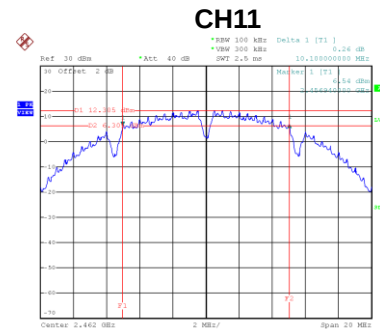
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	10.11	500	Complies
06	2437	10.11	500	Complies
11	2462	10.10	500	Complies



Date: 27.JUL.2020 17:28:134

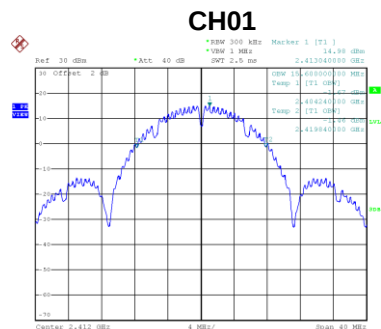


Date: 27.JUL.2020 17:32:105

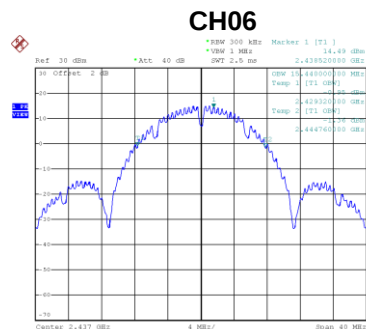


Date: 27.JUL.2020 17:41:115

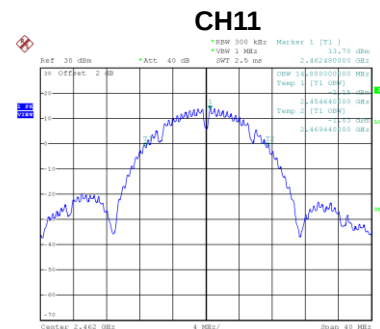
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	15.60	Complies
06	2437	15.44	Complies
11	2462	14.80	Complies



Date: 27.JUL.2020 17:28:141



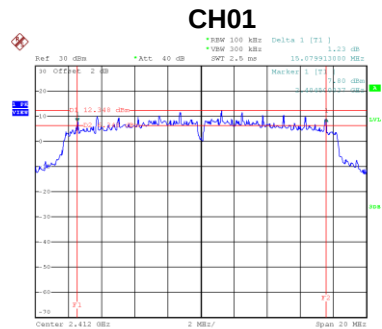
Date: 27.JUL.2020 17:32:112



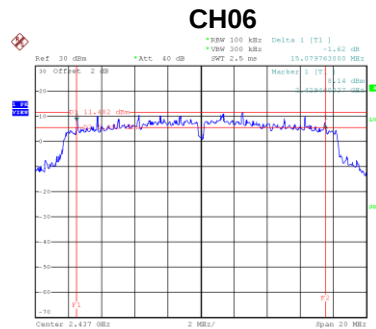
Date: 27.JUL.2020 17:41:122

Test Mode	TX G Mode
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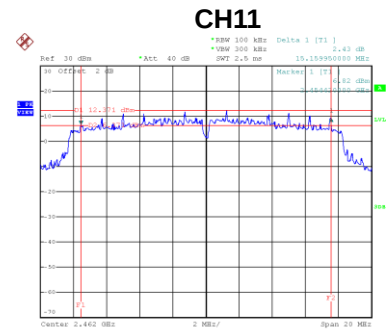
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	15.08	500	Complies
06	2437	15.08	500	Complies
11	2462	15.16	500	Complies



Date: 27.JUL.2020 17:47:153

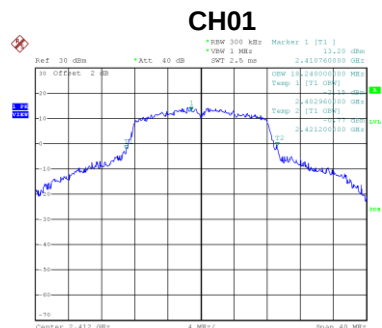


Date: 27.JUL.2020 17:56:108

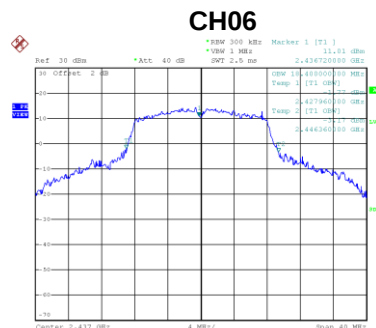


Date: 27.JUL.2020 17:58:138

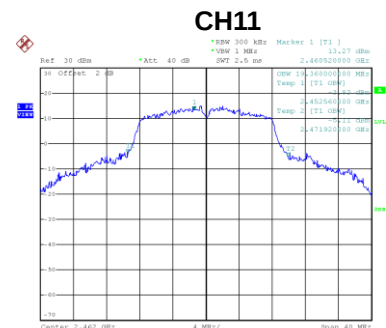
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	18.24	Complies
06	2437	18.40	Complies
11	2462	19.36	Complies



Date: 27.JUL.2020 17:47:159



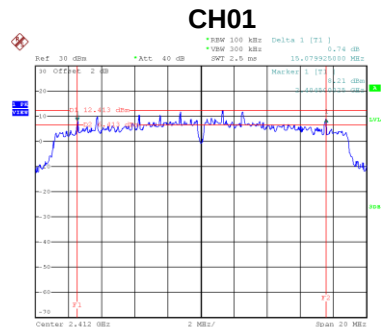
Date: 27.JUL.2020 17:56:115



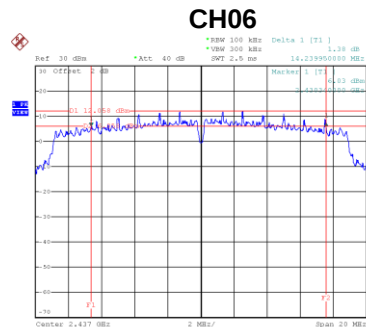
Date: 27.JUL.2020 17:58:145

Test Mode	TX N-20M Mode
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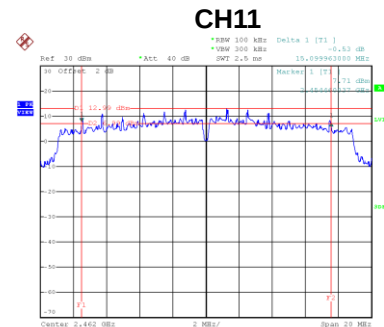
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	15.08	500	Complies
06	2437	14.24	500	Complies
11	2462	15.10	500	Complies



Date: 27.JUL.2020 18:04:21

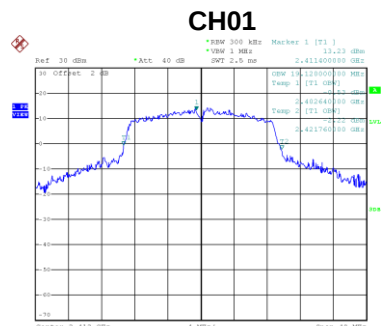


Date: 27.JUL.2020 18:09:53

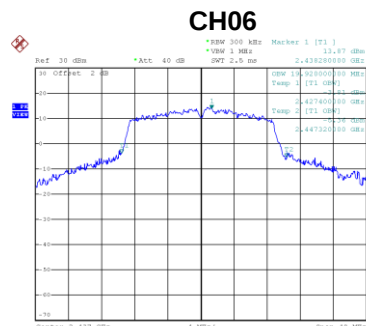


Date: 27.JUL.2020 18:19:59

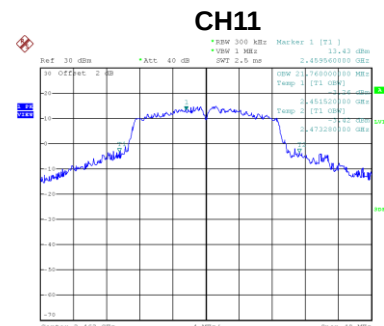
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	19.12	Complies
06	2437	19.92	Complies
11	2462	21.76	Complies



Date: 27.JUL.2020 18:04:28



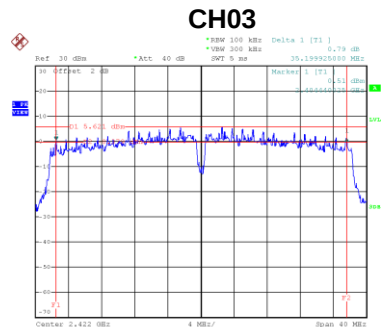
Date: 27.JUL.2020 18:10:00



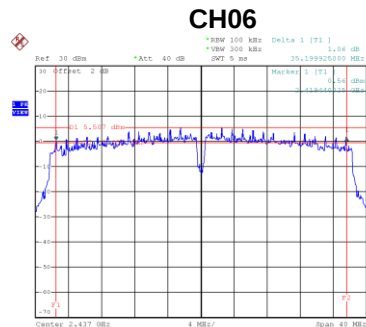
Date: 27.JUL.2020 18:20:06

Test Mode	TX N-40M Mode
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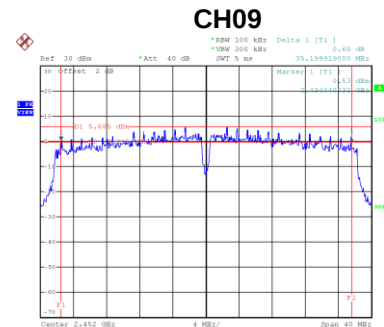
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
03	2422	35.20	500	Complies
06	2437	35.20	500	Complies
09	2452	35.20	500	Complies



Date: 27.JUL.2020 18:29:27

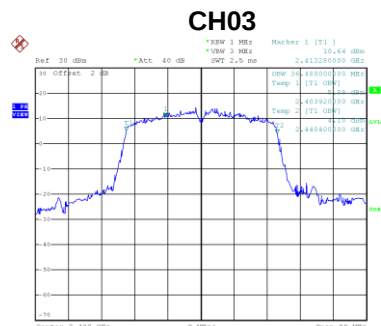


Date: 27.JUL.2020 18:32:14

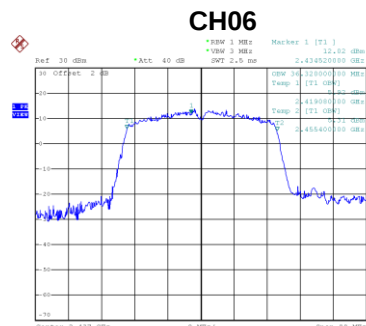


Date: 27.JUL.2020 18:43:49

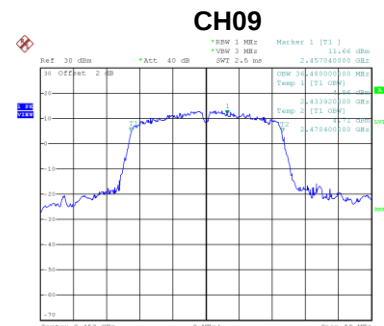
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
03	2422	36.48	Complies
06	2437	36.32	Complies
09	2452	36.48	Complies



Date: 27.JUL.2020 18:29:34



Date: 27.JUL.2020 18:32:20



Date: 27.JUL.2020 18:43:56

APPENDIX F - MAXIMUM OUTPUT POWER

CDD

Test Mode	TX B Mode_Ant. 1
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
01	2412	11.97	1.0000	Complies
06	2437	11.42	1.0000	Complies
11	2462	19.51	1.0000	Complies

Test Mode	TX B Mode_Ant. 2
-----------	------------------

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
01	2412	11.84	1.0000	Complies
06	2437	11.15	1.0000	Complies
11	2462	19.34	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.92	30.00	1.0000	Complies
06	2437	14.30	30.00	1.0000	Complies
11	2462	22.44	30.00	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
01	2412	25.41	1.0000	Complies
06	2437	25.31	1.0000	Complies
11	2462	24.83	1.0000	Complies

Test Mode	TX G Mode_Ant. 2
-----------	------------------

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
01	2412	24.76	1.0000	Complies
06	2437	24.58	1.0000	Complies
11	2462	24.03	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	28.11	30.00	1.0000	Complies
06	2437	27.97	30.00	1.0000	Complies
11	2462	27.46	30.00	1.0000	Complies

Test Mode	TX N-20M Mode_Ant. 1
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
01	2412	24.67	1.0000	Complies
06	2437	25.77	1.0000	Complies
11	2462	24.21	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
01	2412	24.03	1.0000	Complies
06	2437	25.02	1.0000	Complies
11	2462	23.55	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	27.37	30.00	1.0000	Complies
06	2437	28.42	30.00	1.0000	Complies
11	2462	26.90	30.00	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
03	2422	12.94	1.0000	Complies
06	2437	25.61	1.0000	Complies
09	2452	25.25	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
03	2422	22.27	1.0000	Complies
06	2437	24.61	1.0000	Complies
09	2452	25.21	1.0000	Complies

Test Mode	TX N-40M Mode_Total
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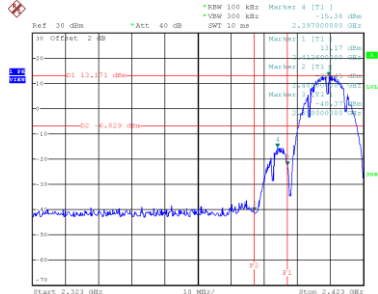
Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	22.75	30.00	1.0000	Complies
06	2437	28.15	30.00	1.0000	Complies
09	2452	28.24	30.00	1.0000	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

CDD

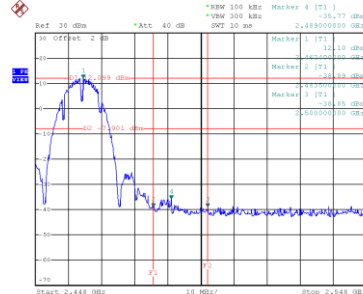
Test Mode TX B Mode_Ant. 1

Bandedge-CH01



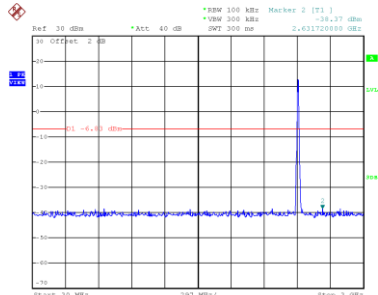
Date: 27.JUL.2020 17:28:48

Bandedge-CH11

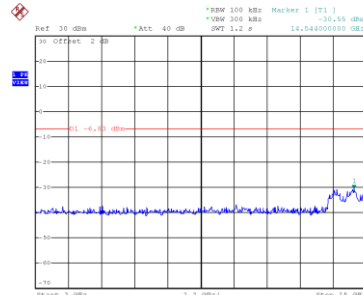


Date: 27.JUL.2020 17:41:29

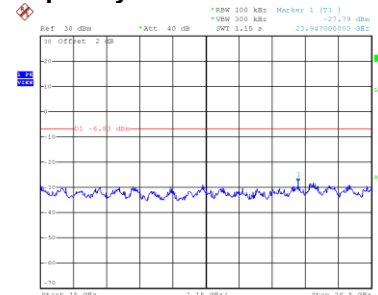
CH01 – 10th Harmonic of the fundamental frequency



Date: 27.JUL.2020 17:29:01

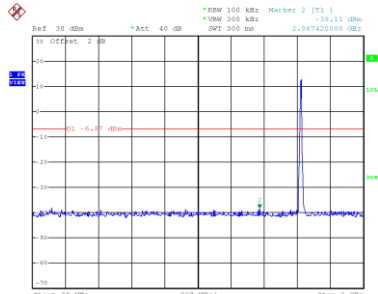


Date: 27.JUL.2020 17:29:08

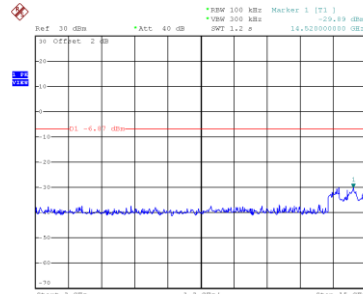


Date: 27.JUL.2020 17:29:15

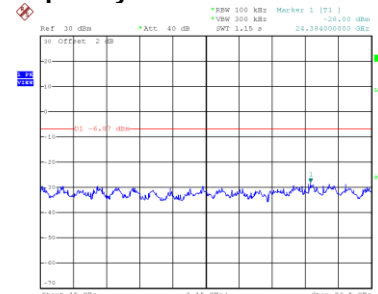
CH06 – 10th Harmonic of the fundamental frequency



Date: 27.JUL.2020 17:32:32

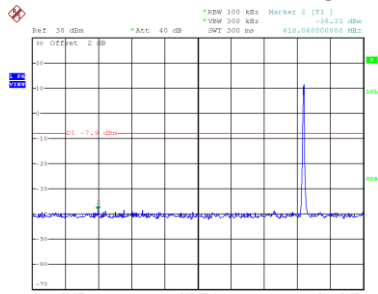


Date: 27.JUL.2020 17:32:39

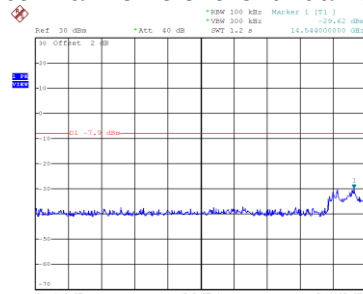


Date: 27.JUL.2020 17:32:47

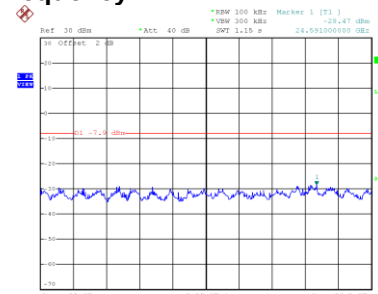
CH11 – 10th Harmonic of the fundamental frequency



Date: 27.JUL.2020 17:41:42



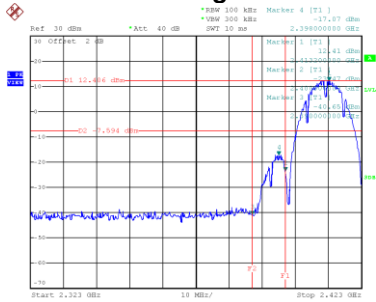
Date: 27.JUL.2020 17:41:49



Date: 27.JUL.2020 17:41:56

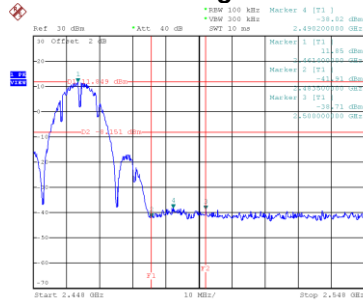
Test Mode TX B Mode_Ant. 2

Bandedge-CH01



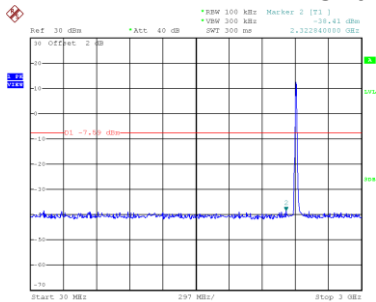
Date: 27.JUL.2020 17:27:08

Bandedge-CH11

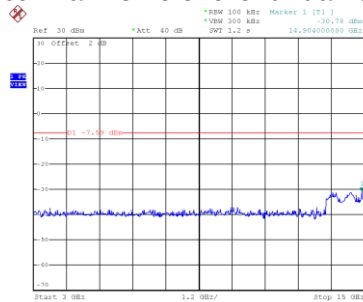


Date: 27.JUL.2020 17:39:24

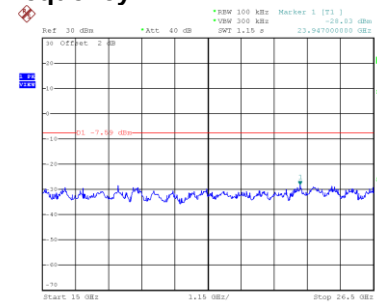
CH01 – 10th Harmonic of the fundamental frequency



Date: 27.JUL.2020 17:27:21

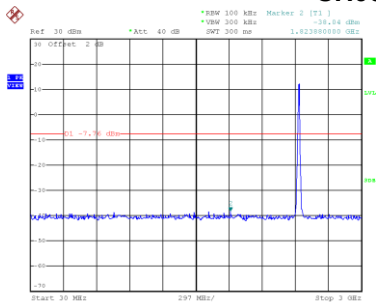


Date: 27.JUL.2020 17:27:28

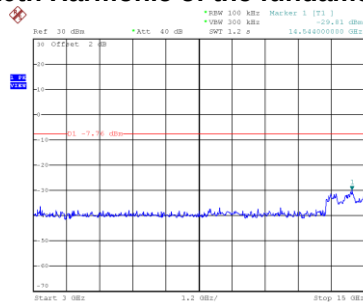


Date: 27.JUL.2020 17:27:35

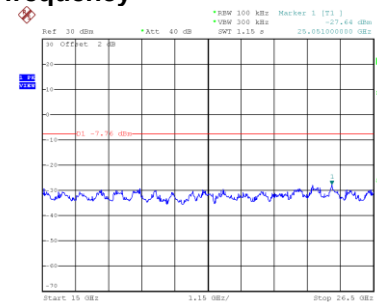
CH06 – 10th Harmonic of the fundamental frequency



Date: 27.JUL.2020 17:35:10

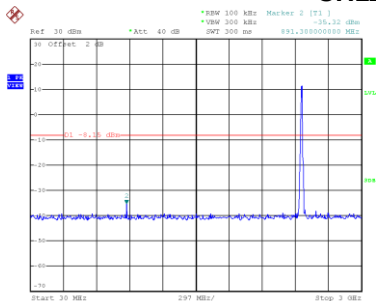


Date: 27.JUL.2020 17:35:17

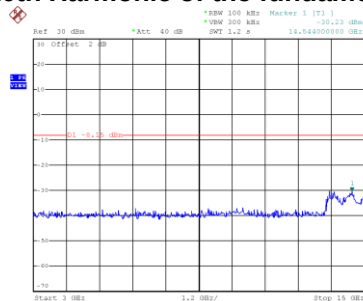


Date: 27.JUL.2020 17:36:04

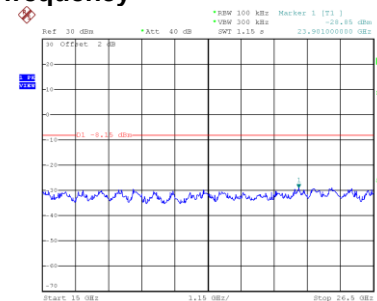
CH11 – 10th Harmonic of the fundamental frequency



Date: 27.JUL.2020 17:39:38



Date: 27.JUL.2020 17:39:45



Date: 27.JUL.2020 17:39:52

TX G Mode_Ant. 1



Date: 27.JUL.2020 17:48:20



Date: 27.JUL.2020 17:56:35

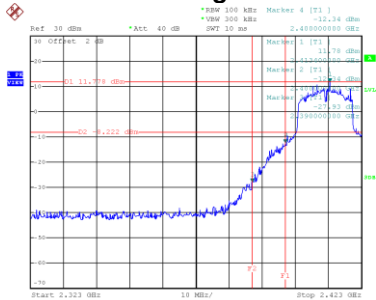


Date: 27.JUL.2020 17:59:05



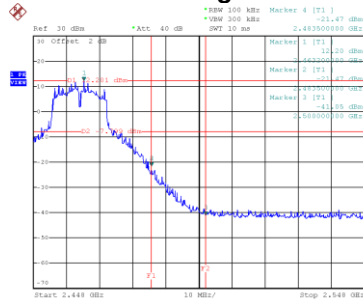
Test Mode TX G Mode_Ant. 2

Bandedge-CH01



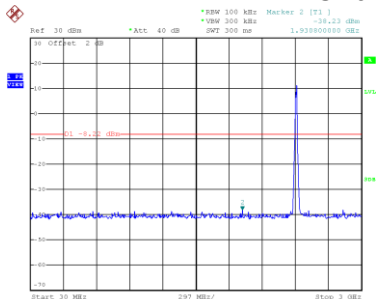
Date: 27.JUL.2020 17:50:29

Bandedge-CH11

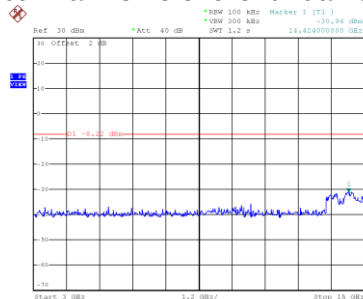


Date: 27.JUL.2020 18:00:40

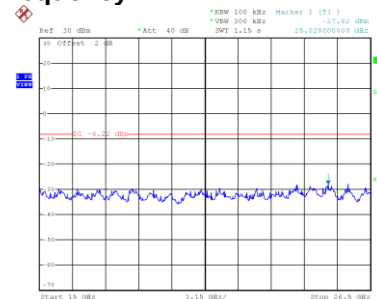
CH01 – 10th Harmonic of the fundamental frequency



Date: 27.JUL.2020 17:50:42

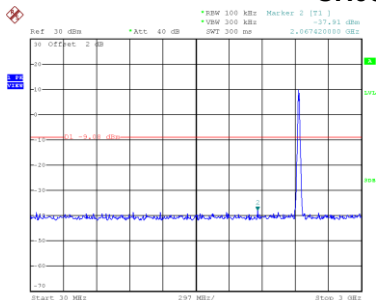


Date: 27.JUL.2020 17:50:49

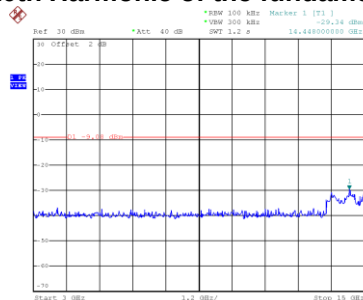


Date: 27.JUL.2020 17:50:56

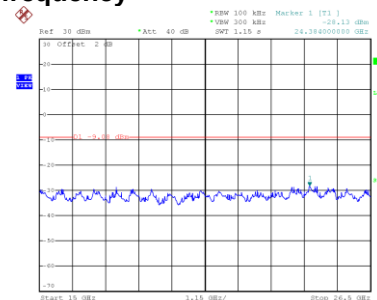
CH06 – 10th Harmonic of the fundamental frequency



Date: 27.JUL.2020 17:55:04

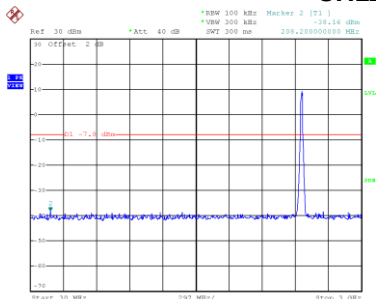


Date: 27.JUL.2020 17:55:11

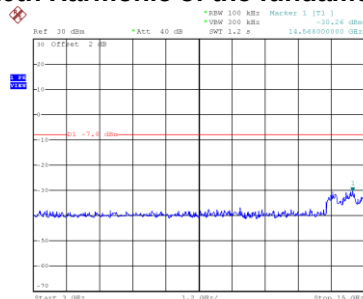


Date: 27.JUL.2020 17:55:18

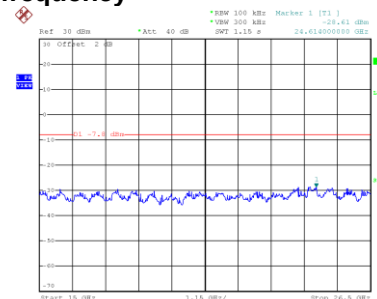
CH11 – 10th Harmonic of the fundamental frequency



Date: 27.JUL.2020 18:00:53



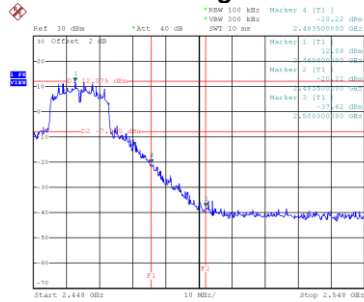
Date: 27.JUL.2020 18:01:01



Date: 27.JUL.2020 18:01:08

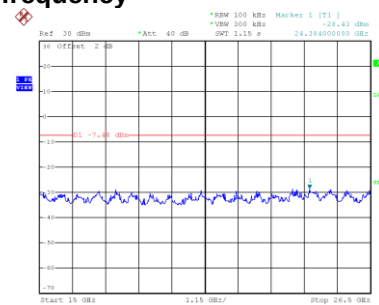
TX N-20M Mode_Ant. 2

Bandedge-CH11



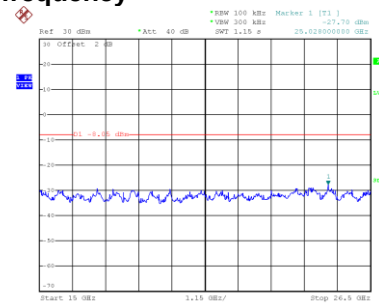
Date: 27.JUL.2020 18:17:40

CH01 – 10th Harmonic of the fundamental frequency



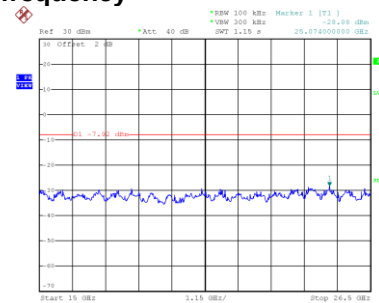
Date: 27.JUL.2020 18:03:26

CH06 – 10th Harmonic of the fundamental frequency



Date: 27.JUL.2020 18:12:23

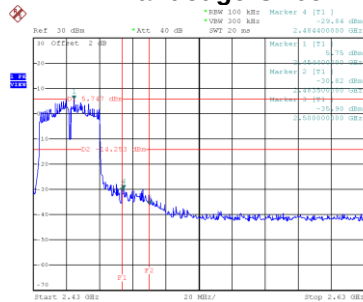
CH11 – 10th Harmonic of the fundamental frequency



Date: 27.JUL.2020 18:18:07

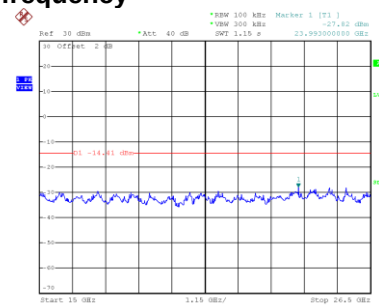
TX N-40M Mode_Ant. 1

Bandedge-CH09



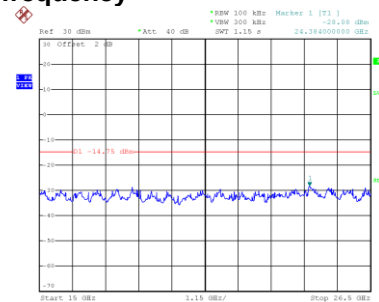
Date: 27.JUL.2020 18:44:03

CH03 – 10th Harmonic of the fundamental frequency



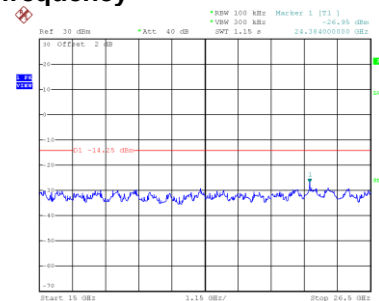
Date: 27.JUL.2020 18:30:09

CH06 – 10th Harmonic of the fundamental frequency



Date: 27.JUL.2020 18:32:55

CH09 – 10th Harmonic of the fundamental frequency



Date: 27.JUL.2020 18:44:30



CH03 – 10th Harmonic of the fundamental frequency



CH06 – 10th Harmonic of the fundamental frequency



CH09 – 10th Harmonic of the fundamental frequency

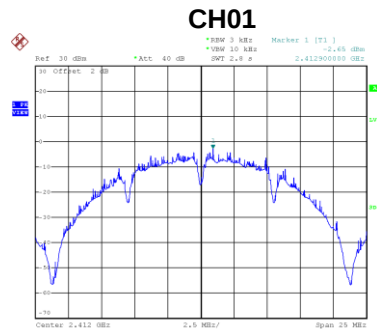


APPENDIX H - POWER SPECTRAL DENSITY

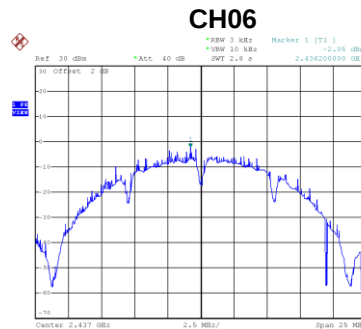
CDD

Test Mode	TX B Mode_Ant. 1
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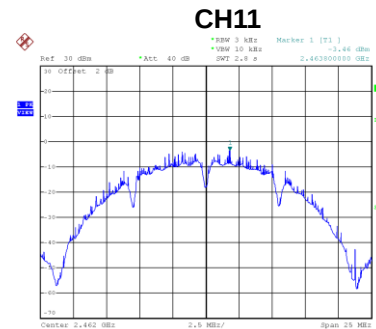
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-2.65	7.79	Complies
06	2437	-2.05	7.79	Complies
11	2462	-3.46	7.79	Complies



Date: 27.JUL.2020 17:129141



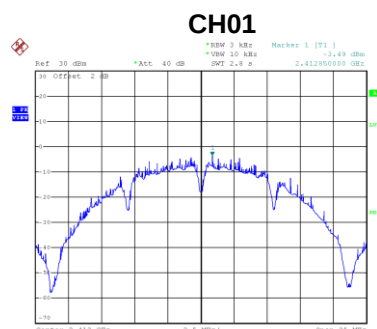
Date: 27.JUL.2020 17:133139



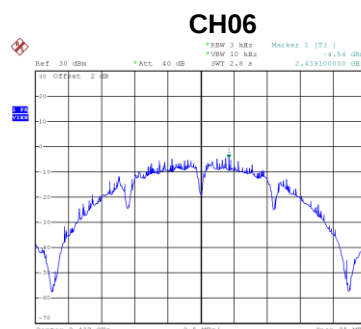
Date: 27.JUL.2020 17:140146

Test Mode	TX B Mode_Ant. 2
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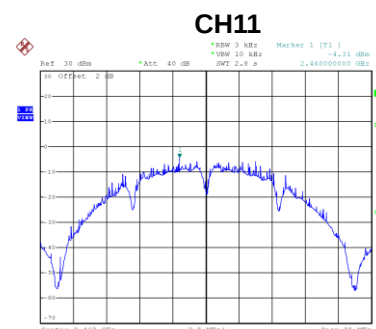
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-3.49	7.79	Complies
06	2437	-4.54	7.79	Complies
11	2462	-4.31	7.79	Complies



Date: 27.JUL.2020 17:126125



Date: 27.JUL.2020 17:134153



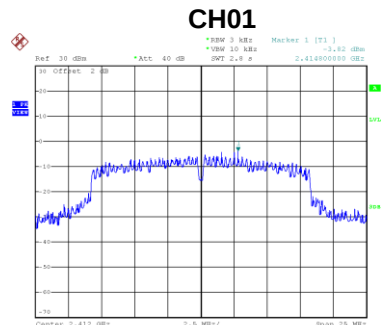
Date: 27.JUL.2020 17:138141

Test Mode	TX B Mode_Total
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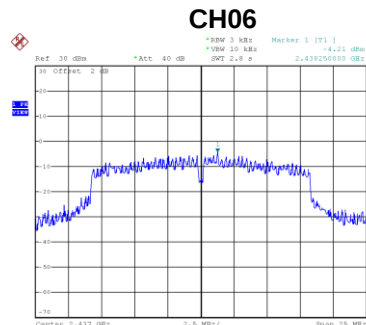
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-0.04	7.79	Complies
06	2437	-0.11	7.79	Complies
11	2462	-0.85	7.79	Complies

Test Mode	TX G Mode_Ant. 1
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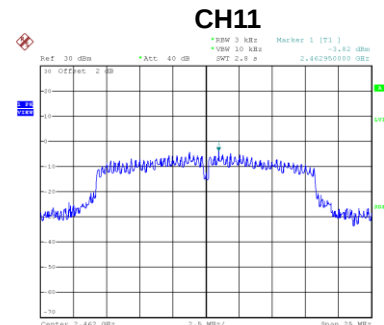
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-3.82	7.79	Complies
06	2437	-4.21	7.79	Complies
11	2462	-3.82	7.79	Complies



Date: 27.JUL.2020 17:47:134



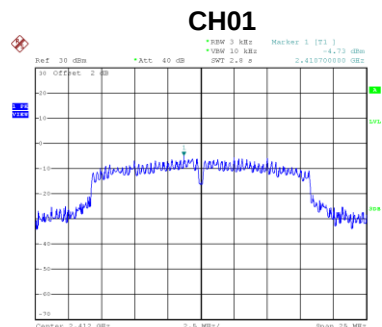
Date: 27.JUL.2020 17:55:149



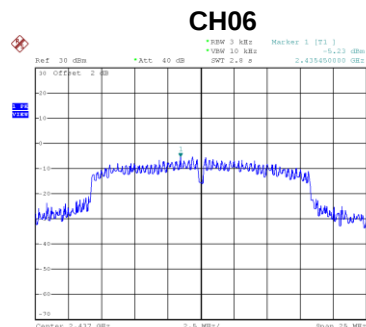
Date: 27.JUL.2020 17:58:120

Test Mode	TX G Mode_Ant. 2
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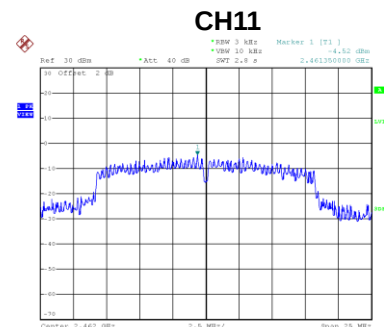
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-4.73	7.79	Complies
06	2437	-5.23	7.79	Complies
11	2462	-4.52	7.79	Complies



Date: 27.JUL.2020 17:49:156



Date: 27.JUL.2020 17:54:118



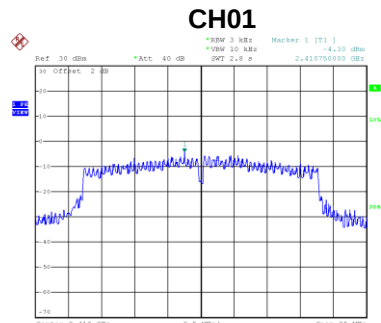
Date: 27.JUL.2020 18:00:106

Test Mode	TX G Mode_Total
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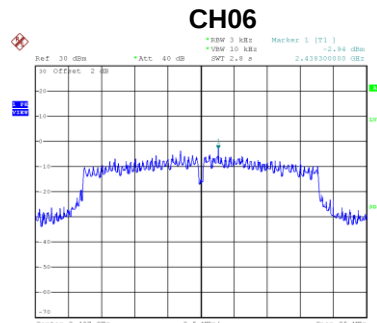
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-1.24	7.79	Complies
06	2437	-1.68	7.79	Complies
11	2462	-1.15	7.79	Complies

Test Mode	TX N-20M Mode_Ant. 1
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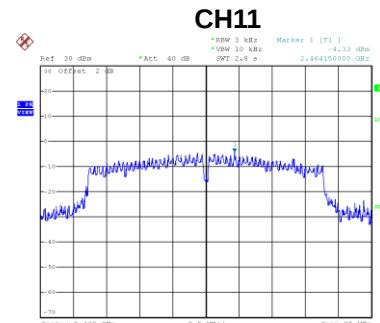
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-4.30	7.79	Complies
06	2437	-2.94	7.79	Complies
11	2462	-4.33	7.79	Complies



Date: 27.JUL.2020 18:04:02



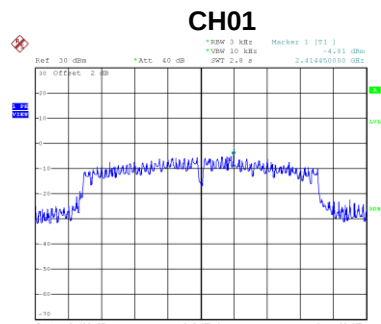
Date: 27.JUL.2020 18:09:29



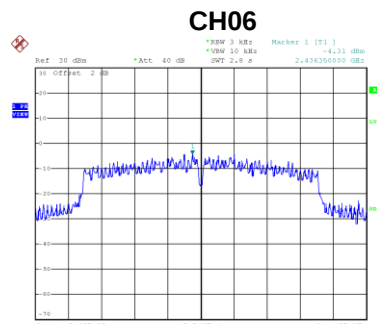
Date: 27.JUL.2020 18:12:49

Test Mode	TX N-20M Mode_Ant. 2
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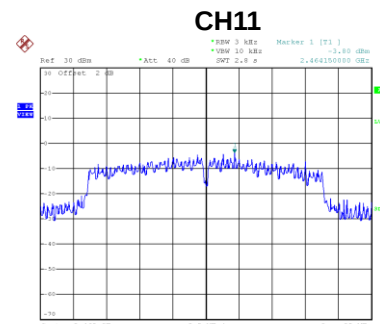
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-4.81	7.79	Complies
06	2437	-4.31	7.79	Complies
11	2462	-3.80	7.79	Complies



Date: 27.JUL.2020 18:02:29



Date: 27.JUL.2020 18:11:22



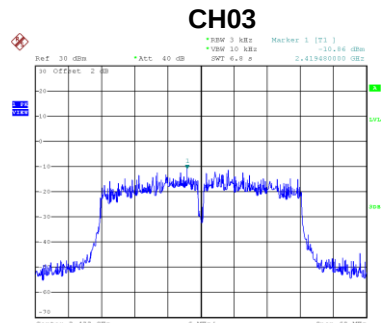
Date: 27.JUL.2020 18:17:10

Test Mode	TX N-20M Mode_Total
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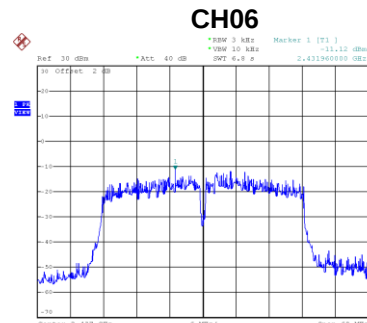
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-1.54	7.79	Complies
06	2437	-0.56	7.79	Complies
11	2462	-1.05	7.79	Complies

Test Mode	TX N-40M Mode_Ant. 1
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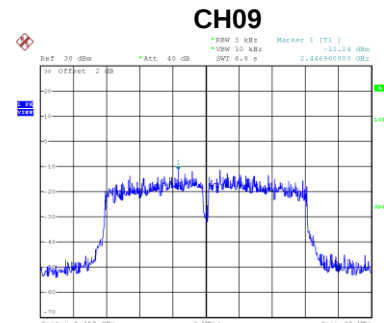
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-10.86	7.79	Complies
06	2437	-11.12	7.79	Complies
09	2452	-11.24	7.79	Complies



Date: 27.JUL.2020 18:30:20



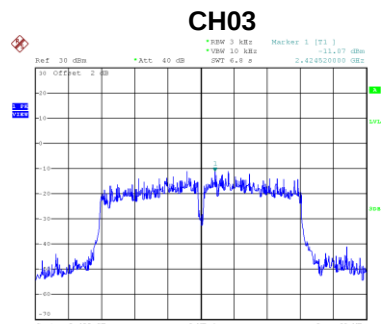
Date: 27.JUL.2020 18:32:01



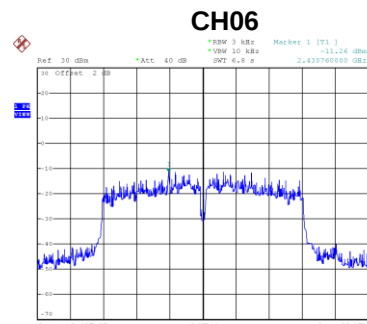
Date: 27.JUL.2020 18:44:42

Test Mode	TX N-40M Mode_Ant. 2
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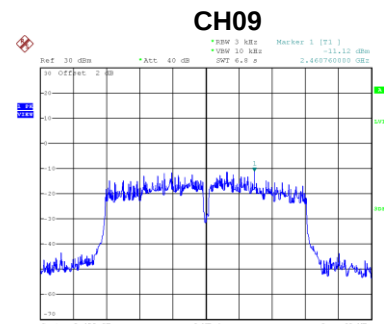
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-11.07	7.79	Complies
06	2437	-11.26	7.79	Complies
09	2452	-11.12	7.79	Complies



Date: 27.JUL.2020 18:27:09



Date: 27.JUL.2020 18:33:43



Date: 27.JUL.2020 18:43:19

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	-7.95	7.79	Complies
06	2437	-8.18	7.79	Complies
09	2452	-8.17	7.79	Complies

End of Test Report