

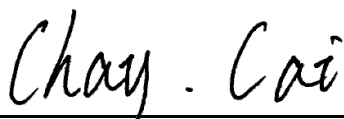
FCC Radio Test Report

FCC ID: TE7A10V2

This report concerns: Original Grant

Project No. : 2003C215
Equipment : AC2600 MU-MIMO Wi-Fi Router
Brand Name : tp-link
Test Model : Archer A10
Series Model : N/A
Applicant : TP-Link Technologies Co., Ltd.
Address : Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Manufacturer : TP-Link Technologies Co., Ltd.
Address : Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Date of Receipt : Mar. 27, 2020
Date of Test : Mar. 30, 2020 ~ Jun. 03, 2020
Issued Date : Jun. 17, 2020
Report Version : R00
Test Sample : Engineering Sample No.: DG20200327177.
Standard(s) : FCC Part15, Subpart C (15.247)
 ANSI C63.10-2013
 FCC KDB 558074 D01 15.247 Meas Guidance v05r02

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



Prepared by : Chay Cai



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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).

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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.

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Jun. 17, 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 Average 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.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's Test Firm Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

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)
DG-C02	CISPR	150kHz ~ 30MHz	2.60

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9kHz ~ 30MHz	V	3.79
		9kHz ~ 30MHz	H	3.57
		30MHz ~ 200MHz	V	4.88
		30MHz ~ 200MHz	H	4.14
		200MHz ~ 1,000MHz	V	4.62
		200MHz ~ 1,000MHz	H	4.80
		1GHz ~ 6GHz	-	4.58
		6GHz ~ 18GHz	-	5.18
		18GHz ~ 26.5GHz	-	3.62
		26.5GHz ~ 40GHz	-	4.00

C. Other Measurement:

Parameter	Uncertainty
Bandwidth	±3.8 %
Maximum Output Power	±0.95 dB
Conducted Spurious Emission	±2.71 dB
Power Spectral Density	±0.86 dB
Temperature	±0.08 °C
Time	±0.58 %
Supply voltages	±0.3 %

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	55%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-30 MHz to 1GHz	24°C	68%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-Above 1000 MHz	25°C	60%	AC 120V/60Hz	Kwok Guo
Bandwidth	22°C	43%	AC 120V/60Hz	Hayden Chen
Maximum Average Output Power	22°C	43%	AC 120V/60Hz	Laughing Zhang
Conducted Spurious Emissions	22°C	43%	AC 120V/60Hz	Hayden Chen
Power Spectral Density	22°C	43%	AC 120V/60Hz	Hayden Chen

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AC2600 MU-MIMO Wi-Fi Router
Brand Name	tp-link
Test Model	Archer A10
Series Model	N/A
Model Difference(s)	N/A
Power Source	DC voltage supplied from AC adapter. Model: T120150-2B1
Power Rating	I/P: 100-240V~ 50/60Hz 0.6A O/P: 12V  1.5A
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM IEEE vht: 256QAM
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 600 Mbps IEEE vht: up to 800 Mbps
Maximum Average Output Power_Non Beamforming	IEEE 802.11b: 26.75 dBm (0.4732 W) IEEE 802.11g: 26.55 dBm (0.4519 W) IEEE 802.11n (HT20): 26.26 dBm (0.4227 W) IEEE 802.11n (HT40): 22.14 dBm (0.1637 W)
Maximum Average Output Power_Beamforming	IEEE 802.11n (HT20): 26.14 dBm (0.4111 W) IEEE 802.11n (HT40): 22.02 dBm (0.1592 W)

Note:

- 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), IEEE vht20							
CH03 - CH09 for IEEE 802.11n (HT40), IEEE vht40							
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	P/N	Antenna Type	Connector	Gain (dBi)
1	tp-link	3101502911	PCB	I-PEX	2.98
2	tp-link	3101502910	Dipole	I-PEX	2.98
3	tp-link	3101502908	Dipole	I-PEX	2.98
4	tp-link	3101502909	Dipole	I-PEX	2.98

Note:

This EUT supports CDD, and all antennas have the same gain, then,

- 1) Non Beamforming function, Directional gain = $G_{ANT} + \text{Array Gain}$,
For power measurements, Array Gain = 0 dB ($N_{ANT} \leq 4$), so the Directional gain=2.98.
For power spectral density measurements, $N_{ANT} = 4$, $N_{SS} = 1$. So Directional gain = $G_{ANT} + \text{Array Gain} = G_{ANT} + 10\log(N_{ANT}/N_{SS})$ dB = $2.98 + 10\log(4/1)$ dB = 9.00. Then, the power spectral density limit is $8 - (9.00 - 6) = 5.00$.
- 2) Beamforming function, Beamforming Gain: 6dB. So the Directional gain=6+2.98=8.98.
Then, the average output power limit is $30 - (8.98 - 6) = 27.02$, the power spectral density limit is $8 - (8.98 - 6) = 5.02$.

4. Table for Antenna Configuration:

Non Beamforming:

Operating Mode TX Mode	4TX
IEEE 802.11b	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11g	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11n (HT20)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11n (HT40)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE vht20	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE vht40	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)

Beamforming:

Operating Mode TX Mode	4TX
IEEE 802.11n (HT20)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11n (HT40)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE vht20	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE vht40	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)

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 B Mode Channel 06
Mode 6	TX B Mode Channel 01/02/06/10/11
Mode 7	TX G Mode Channel 01/02/06/10/11
Mode 8	TX N-20 MHz Mode Channel 01/02/06/10/11
Mode 9	TX N-40 MHz Mode Channel 03/04/06/08/09

Following mode(s) was (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 B Mode Channel 06

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

Radiated emissions test- Above 1GHz_Non Beamforming	
Final Test Mode	Description
Mode 6	TX B Mode Channel 01/02/06/10/11
Mode 7	TX G Mode Channel 01/02/06/10/11
Mode 8	TX N-20 MHz Mode Channel 01/02/06/10/11
Mode 9	TX N-40 MHz Mode Channel 03/04/06/08/09

Radiated emissions test- Above 1GHz_Beamforming	
Final Test Mode	Description
Mode 8	TX N-20 MHz Mode Channel 01/02/06/10/11
Mode 9	TX N-40 MHz Mode Channel 03/04/06/08/09

Average Output Power & Power Spectral Density test_Non Beamforming	
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

Average Output Power & Power Spectral Density test_Beamforming	
Final Test Mode	Description
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09

Other Conducted test_Non Beamforming	
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) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (3) For radiated emission below 1 GHz test, the IEEE 802.11b 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.
- (5) The measurements for Average Output Power were tested, the Non Beamforming and Beamforming are recorded in the report. The worst case was Non Beamforming and only worst case were documented for other test items except Power Spectral Density and Radiated Emissions above 1GHz.
- (6) HT20/HT40 covers VHT20/VHT40, due to same modulation. The power setting for VHT20 and VHT40 are the same or lower than 802.11n HT20 and HT40.

2.3 PARAMETERS OF TEST SOFTWARE

Non Beamforming

Test Software	N/A		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	24	28	23
IEEE 802.11g	19	30	13
IEEE 802.11n (HT20)	13	30	16
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	10	21	13

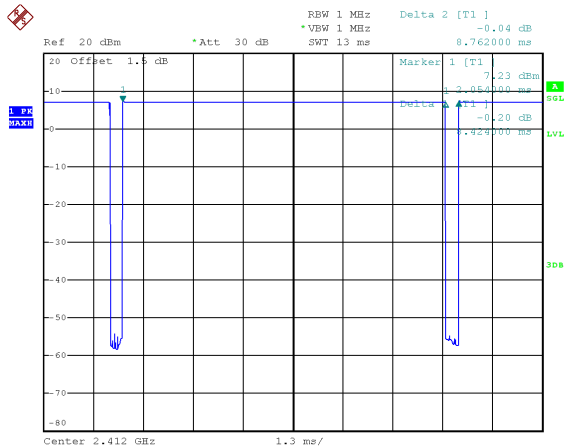
Beamforming

Test Software	N/A		
Frequency (MHz)	2412	2437	2462
IEEE 802.11n (HT20)	12	30	12
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	9	21	13

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.

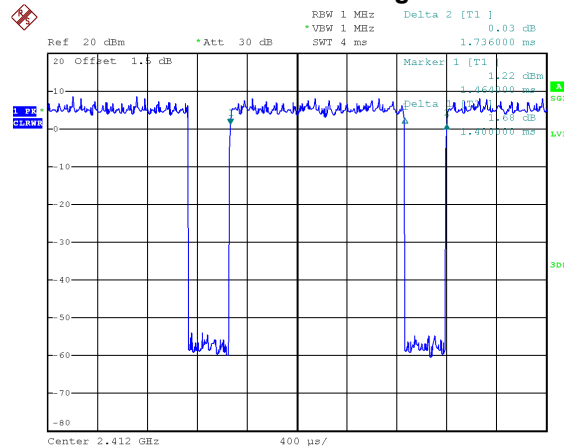
IEEE 802.11b



Date: 3.APR.2020 09:15:13

Duty cycle = 8.424 ms / 8.762 ms = 96.14%
Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.17$

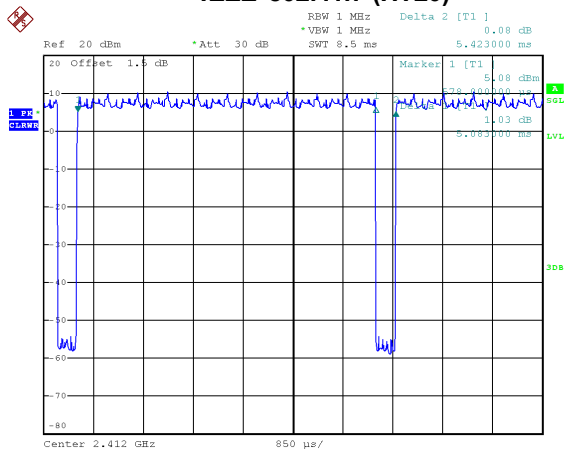
IEEE 802.11g



Date: 3.APR.2020 09:16:43

Duty cycle = 1.400 ms / 1.736 ms = 80.65%
Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.93$

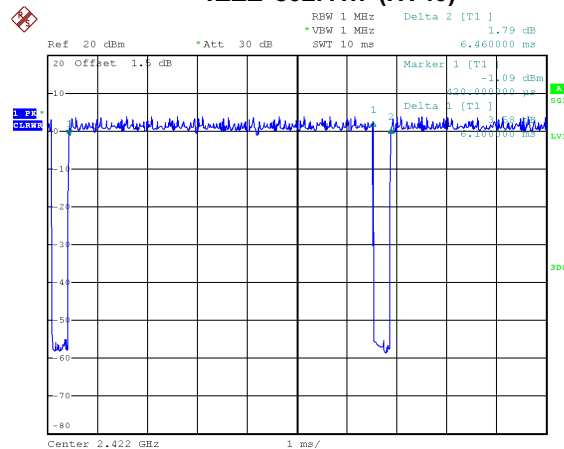
IEEE 802.11n (HT20)



Date: 3.APR.2020 09:17:55

Duty cycle = 5.083 ms / 5.423 ms = 93.73%
Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.28$

IEEE 802.11n (HT40)



Date: 3.APR.2020 09:20:44

Duty cycle = 6.100 ms / 6.460 ms = 94.43%
Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.25$

NOTE:

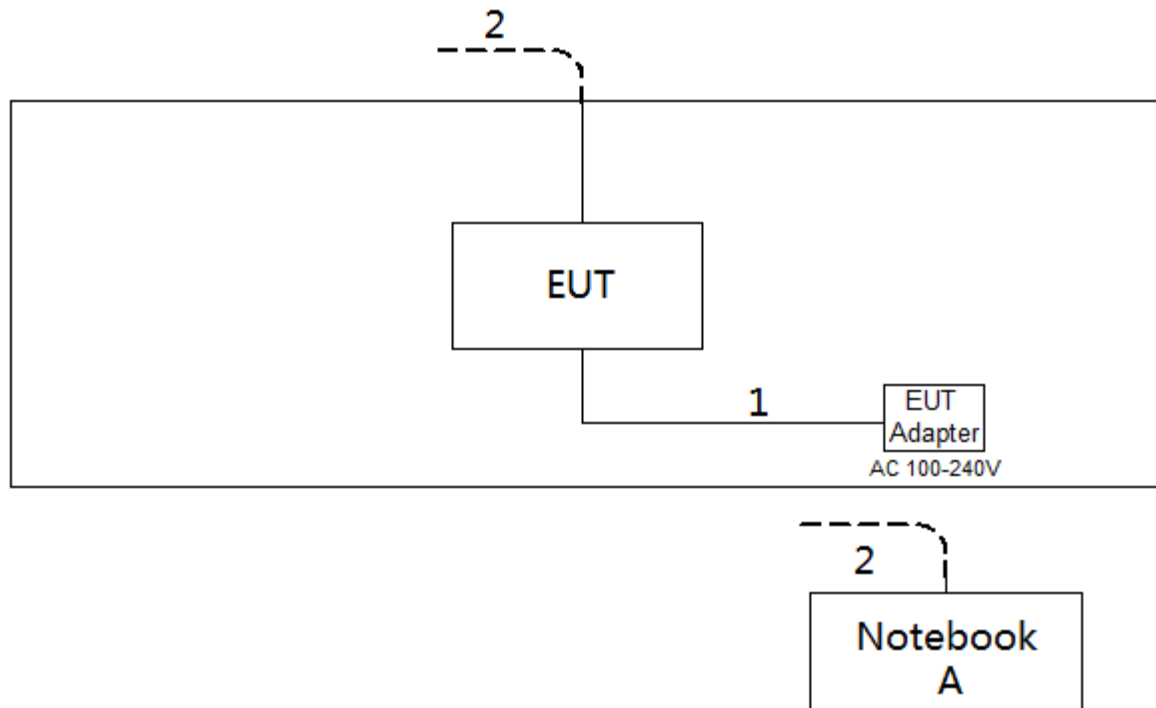
For IEEE 802.11g and IEEE 802.11n (HT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 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	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	1.5m
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

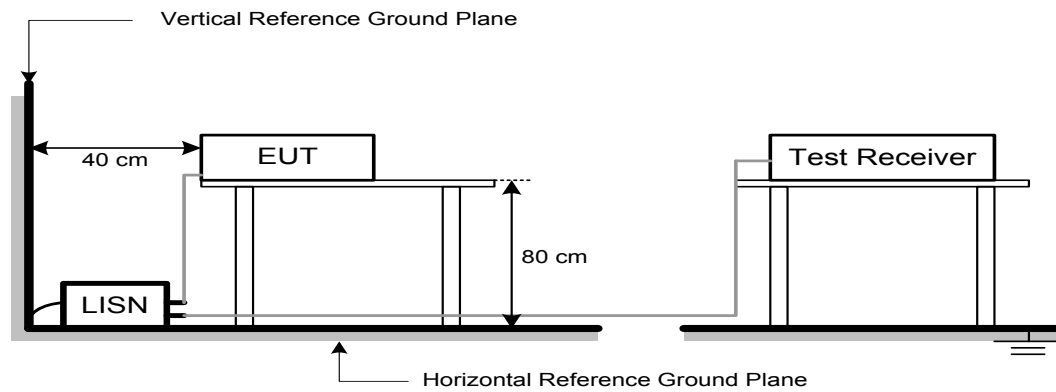
3.2 TEST PROCEDURE

- 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).

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

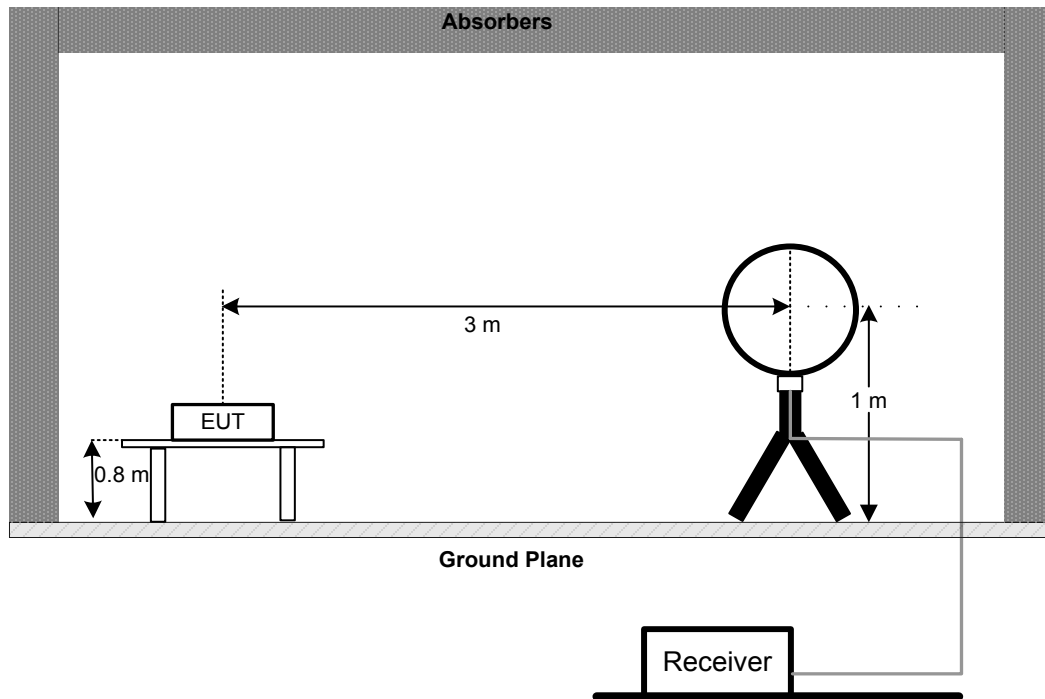
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- The measuring distance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

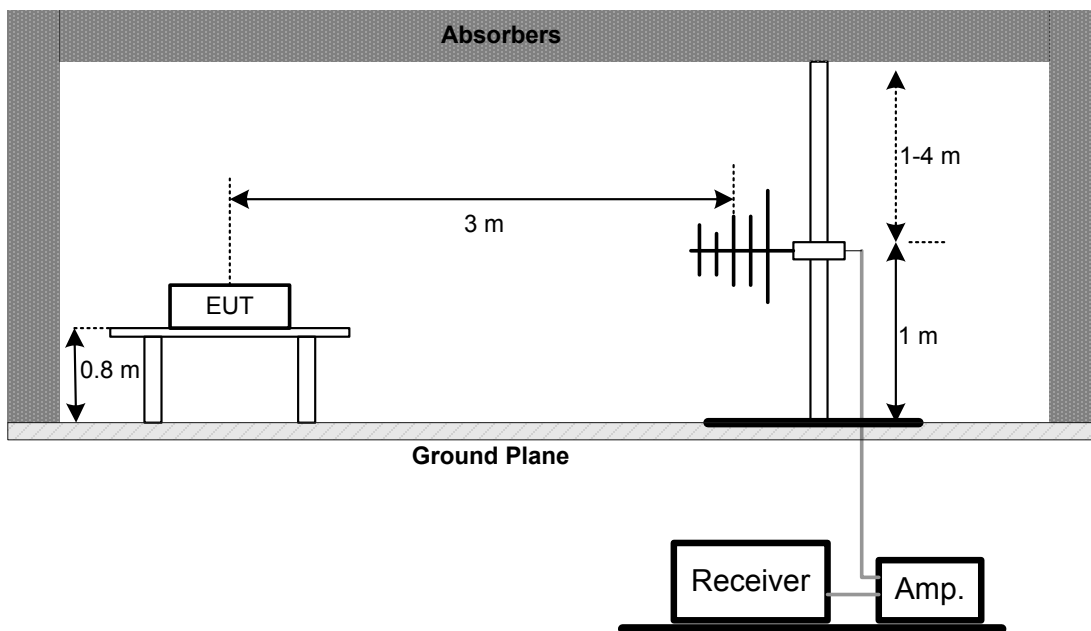
No deviation

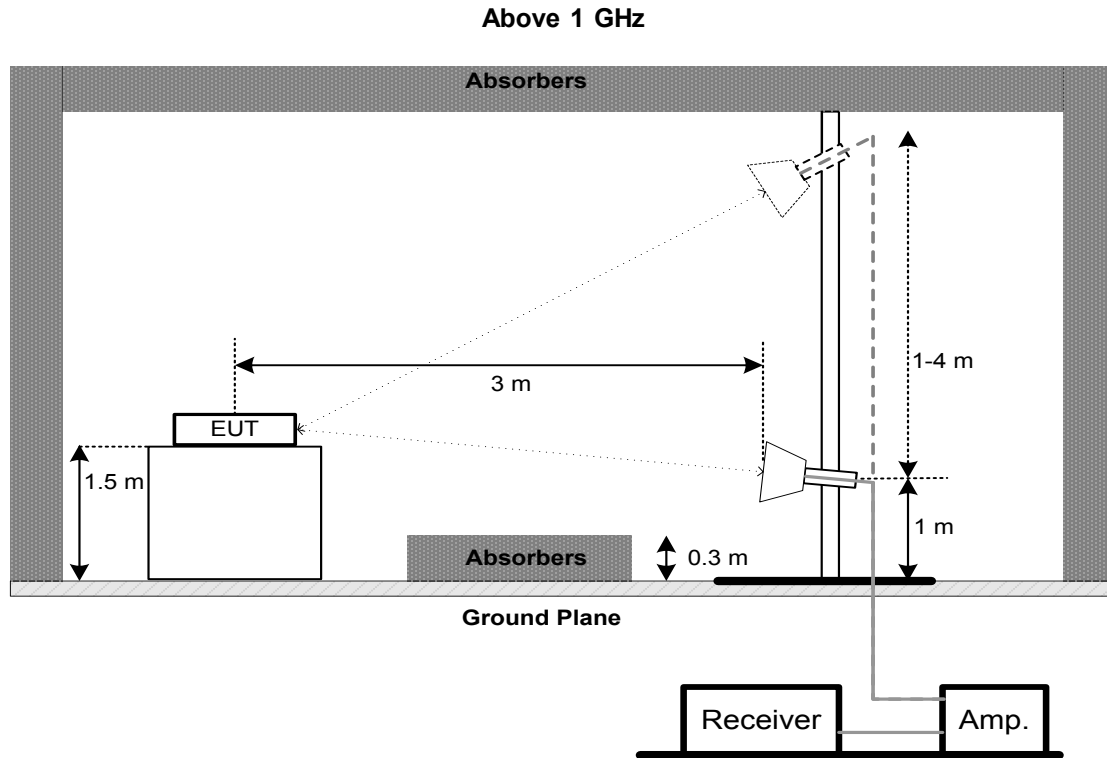
4.4 TEST SETUP

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 AVERAGE OUTPUT POWER TEST

6.1 LIMIT

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

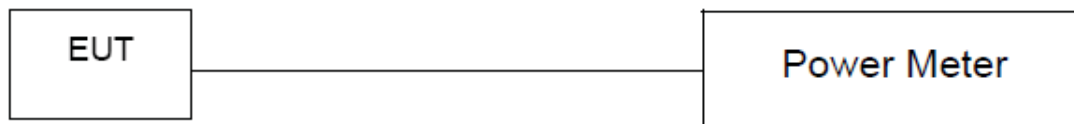
6.2 TEST PROCEDURE

- 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 11.9.2.3.1 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.

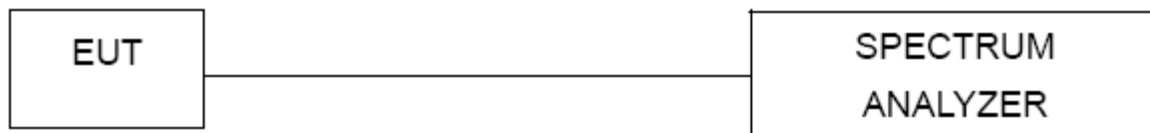
7.2 TEST PROCEDURE

- 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)

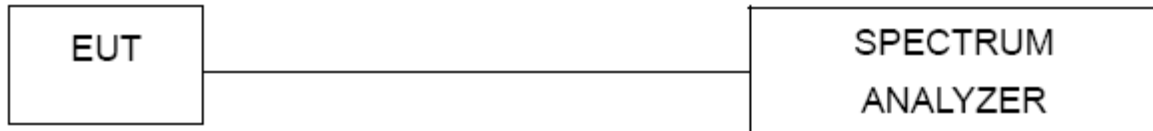
8.2 TEST PROCEDURE

- 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	EMI Test Receiver	R&S	ESCI	100382	Feb. 28, 2021
2	LISN	EMCO	3816/2	52765	Mar. 01, 2021
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Feb. 28, 2021
4	50Ω Terminator	SHX	TF5-3	15041305	Mar. 01, 2021
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 10, 2021

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	EM	EM-6876-1	230	Apr. 16, 2021
2	Cable	N/A	RG 213/U	N/A	May 29, 2021
3	EMI Test Receiver	R&S	ESCI	100895	Feb. 28, 2021
4	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	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 09, 2021
2*	Amplifier	HP	8447D	2944A09673	Aug. 11, 2021
3	Receiver	Agilent	N9038A	MY52130039	Aug. 03, 2020
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	May 22, 2021
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
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 Guide Antenna	ETS	3115	75789	May 12, 2021
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 23, 2020
3	Amplifier	Agilent	8449B	3008A02333	Mar. 01, 2021
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 07, 2021
5	Receiver	Agilent	N9038A	MY52130039	Aug. 03, 2020
6	Controller	CT	SC100	N/A	N/A
7	Controller	MF	MF-7802	MF780208416	N/A
8	Cable	N/A	EMC104-SM-SM-6 000	N/A	May 09, 2021
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Bandwidth & Antenna Conducted Spurious Emissions & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 03, 2020

Maximum Average Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Aug. 03, 2020
2	Wideband power sensor	Keysight	N1923A	MY58310004	Aug. 03, 2020

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

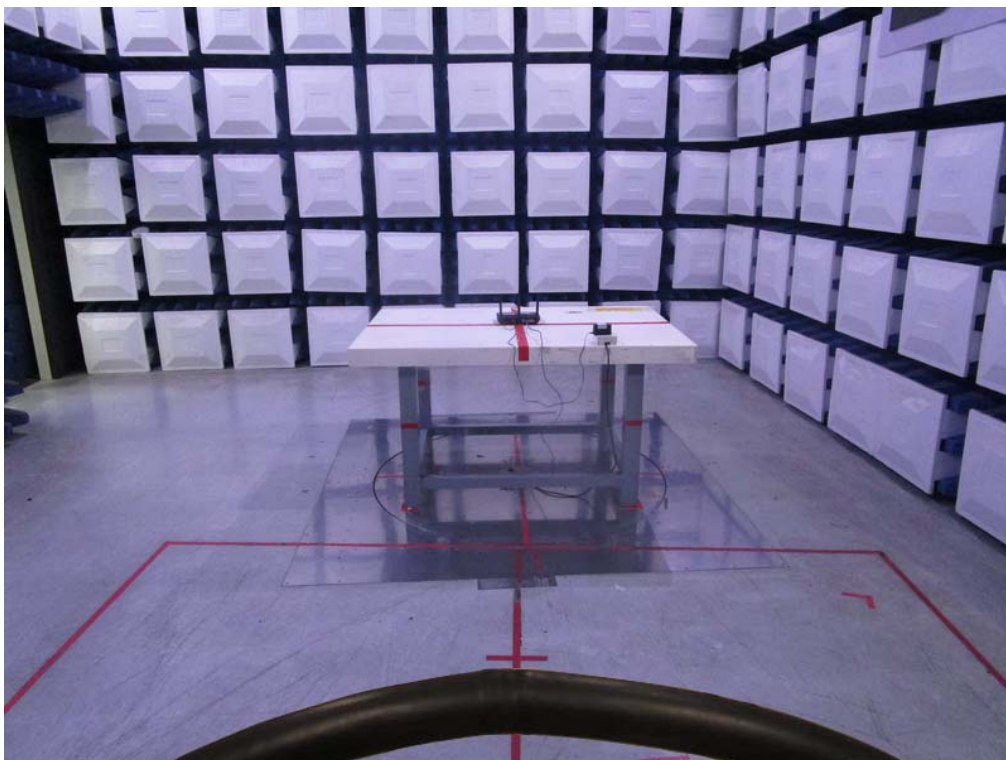
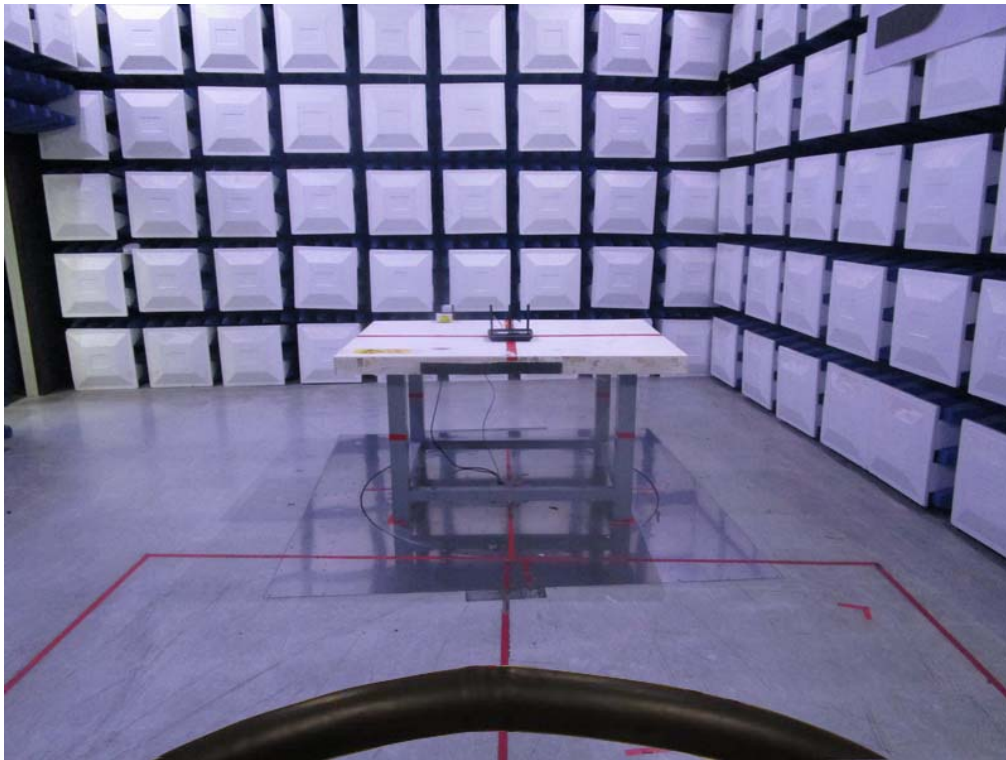
"*" calibration period of equipment list is three year.

Except * item, all calibration period of equipment list is one year.

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

Radiated Emissions Test Photos

9 kHz to 30 MHz



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

Radiated Emissions Test Photos

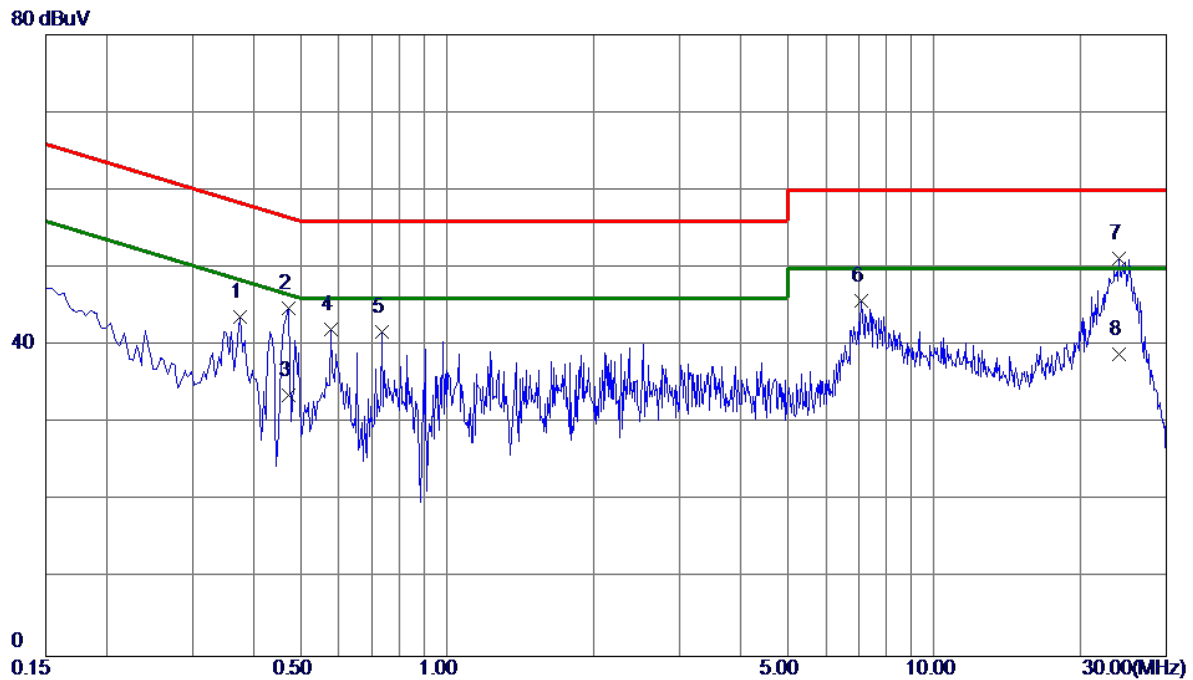
Above 1 GHz



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode: TX B Mode Channel 06

Line



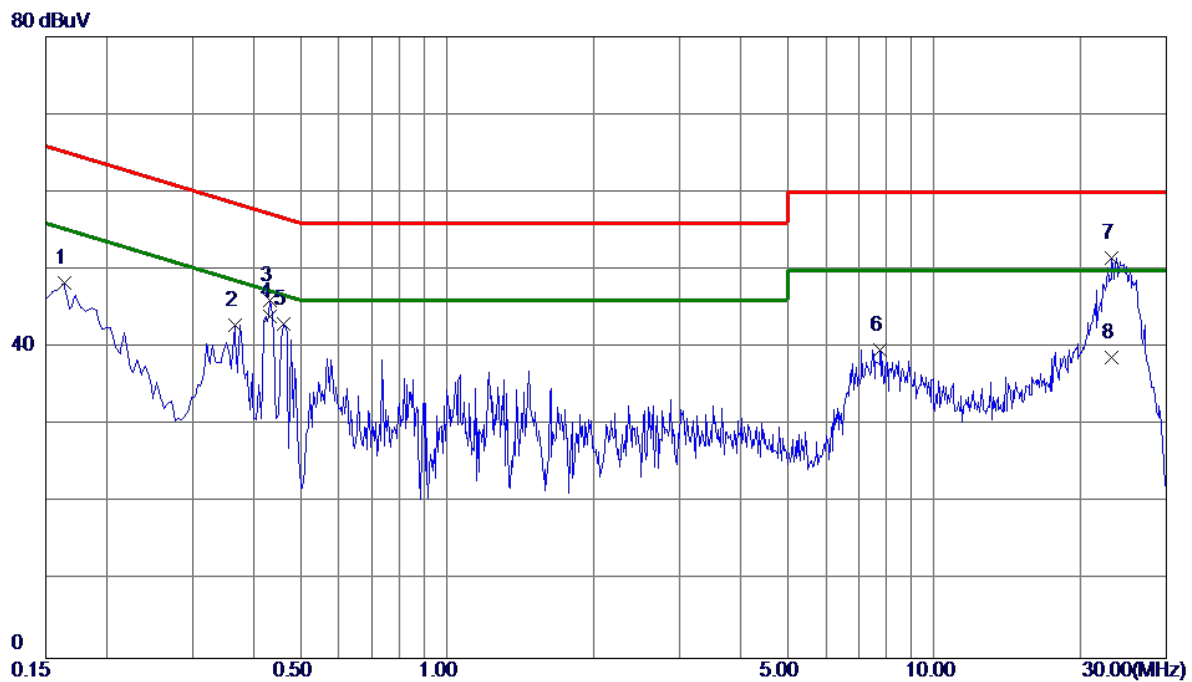
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.3750	33.83	9.91	43.74	58.39	-14.65	Peak	
2	0.4740	34.91	9.94	44.85	56.44	-11.59	Peak	
3	0.4740	23.70	9.94	33.64	46.44	-12.80	AVG	
4	0.5775	32.10	9.96	42.06	56.00	-13.94	Peak	
5	0.7350	31.80	9.91	41.71	56.00	-14.29	Peak	
6	7.1115	35.22	10.49	45.71	60.00	-14.29	Peak	
7 *	23.9325	40.22	11.02	51.24	60.00	-8.76	Peak	
8	23.9325	27.90	11.02	38.92	50.00	-11.08	AVG	

REMARKS:

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

Test Mode: TX B Mode Channel 06

Neutral



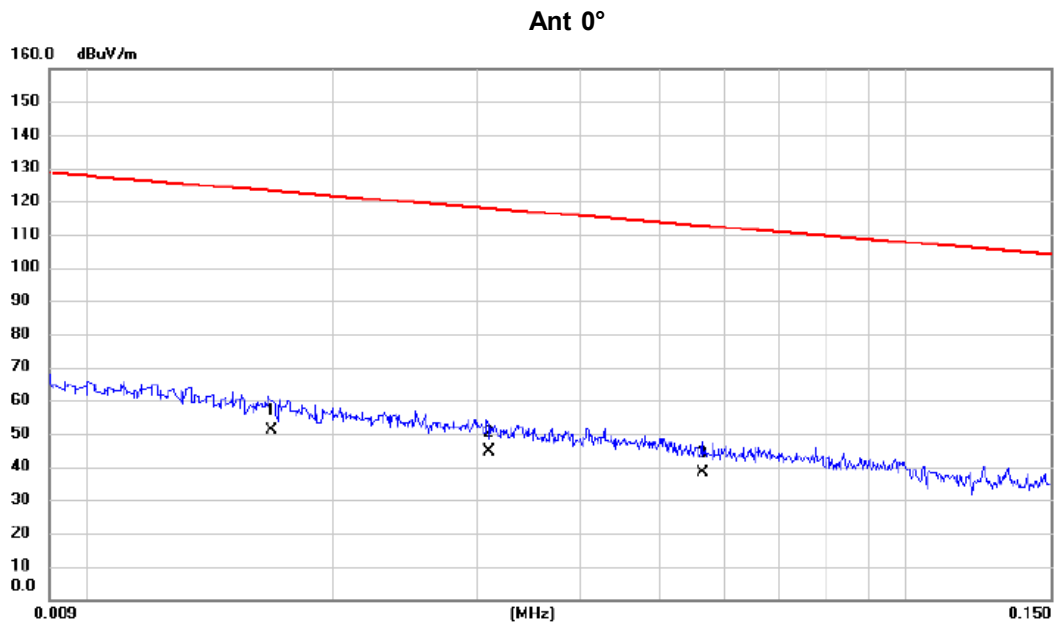
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1635	38.52	9.85	48.37	65.28	-16.91	Peak	
2	0.3660	32.78	10.06	42.84	58.59	-15.75	Peak	
3	0.4335	35.92	10.11	46.03	57.19	-11.16	Peak	
4 *	0.4335	33.89	10.11	44.00	47.19	-3.19	AVG	
5	0.4605	32.94	10.12	43.06	56.68	-13.62	Peak	
6	7.7370	28.79	10.88	39.67	60.00	-20.33	Peak	
7	23.1585	40.24	11.31	51.55	60.00	-8.45	Peak	
8	23.1585	27.40	11.31	38.71	50.00	-11.29	AVG	

REMARKS:

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

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode: TX B Mode Channel 06

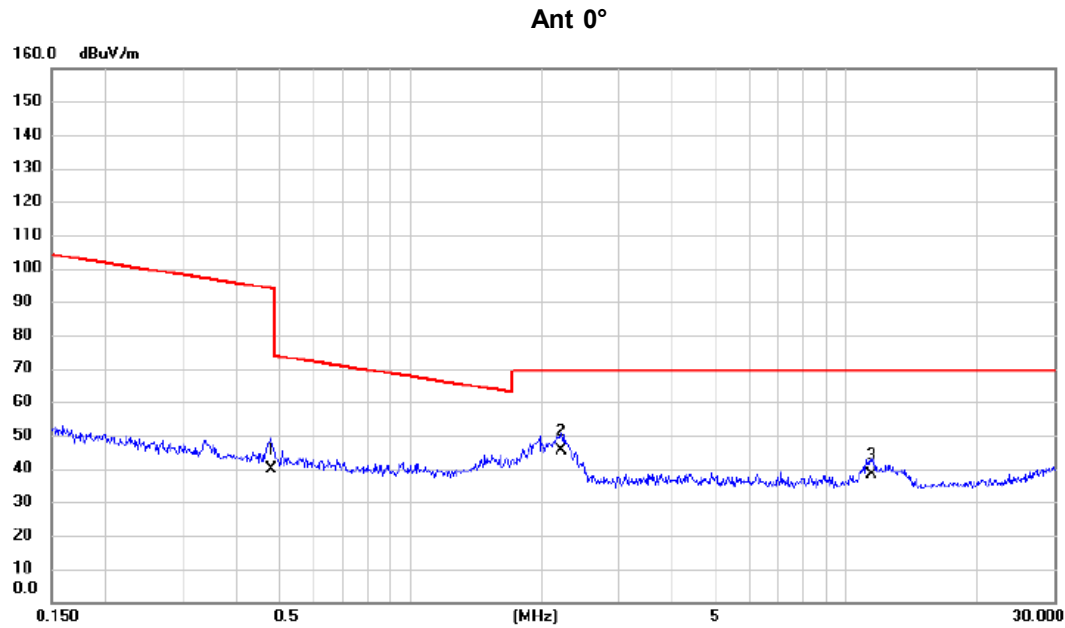


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.017	36.20	14.78	50.98	123.10	-72.12	AVG	
2		0.031	30.60	13.86	44.46	117.78	-73.32	AVG	
3		0.057	24.30	13.83	38.13	112.56	-74.43	AVG	

REMARKS:

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

Test Mode: TX B Mode Channel 06



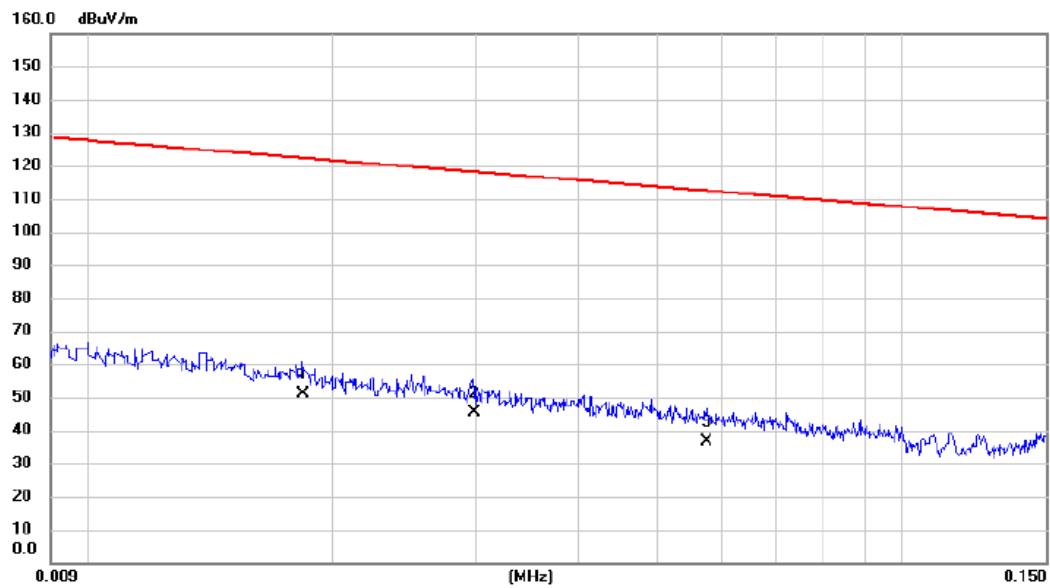
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.479	26.50	13.11	39.61	94.00	-54.39	AVG	
2	*	2.225	33.91	11.68	45.59	69.54	-23.95	QP	
3		11.438	26.70	11.61	38.31	69.54	-31.23	QP	

REMARKS:

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

Test Mode: TX B Mode Channel 06

Ant 90°



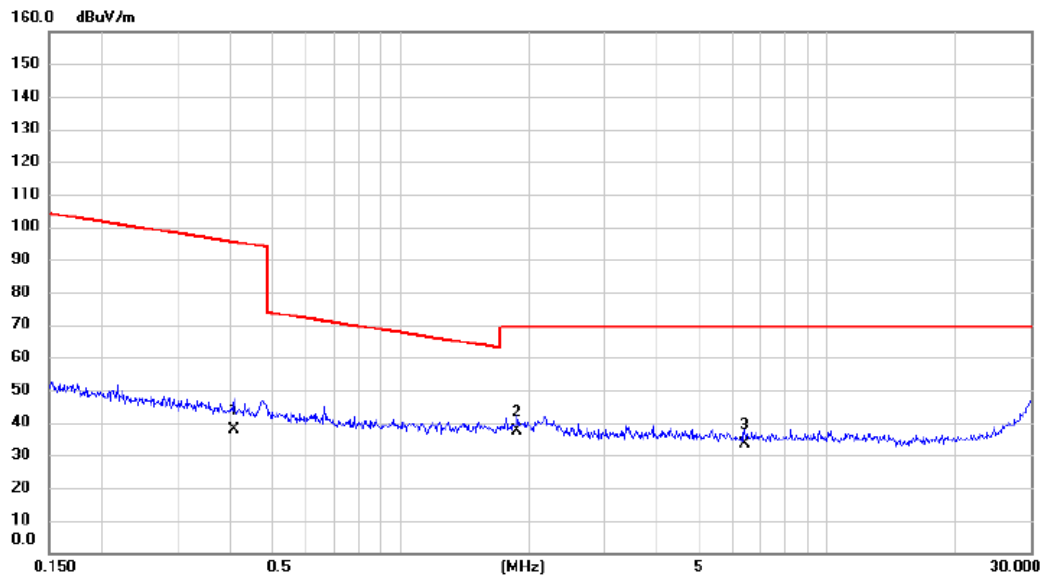
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.018	36.70	14.30	51.00	122.31	-71.31	AVG	
2		0.030	31.60	13.85	45.45	118.12	-72.67	AVG	
3		0.058	22.80	13.81	36.61	112.40	-75.79	AVG	

REMARKS:

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

Test Mode: TX B Mode Channel 06

Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.408	24.50	13.28	37.78	95.38	-57.60	AVG	
2	*	1.878	25.50	11.90	37.40	69.54	-32.14	QP	
3		6.420	22.30	11.08	33.38	69.54	-36.16	QP	

REMARKS:

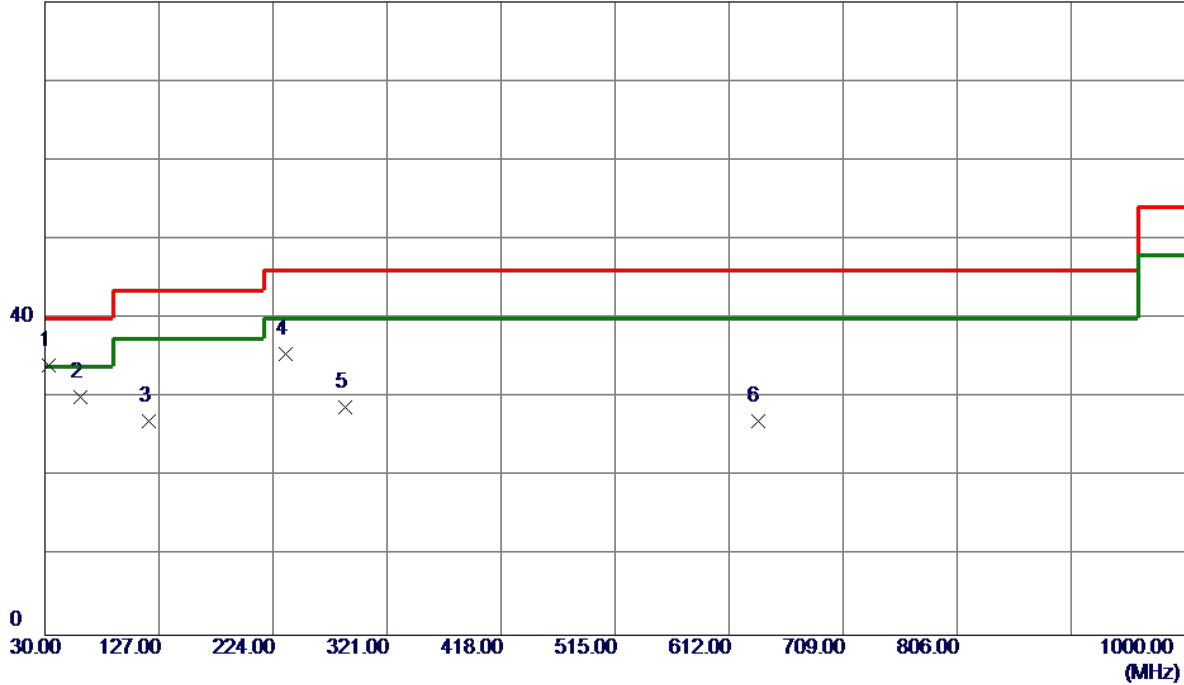
- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode: TX B 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 *	32.9100	48.84	-14.71	34.13	40.00	-5.87	Peak	
2	60.0700	44.88	-14.74	30.14	40.00	-9.86	Peak	
3	118.2700	40.44	-13.38	27.06	43.50	-16.44	Peak	
4	234.6700	49.80	-14.29	35.51	46.00	-10.49	Peak	
5	285.1099	41.27	-12.43	28.84	46.00	-17.16	Peak	
6	636.2500	32.47	-5.41	27.06	46.00	-18.94	Peak	

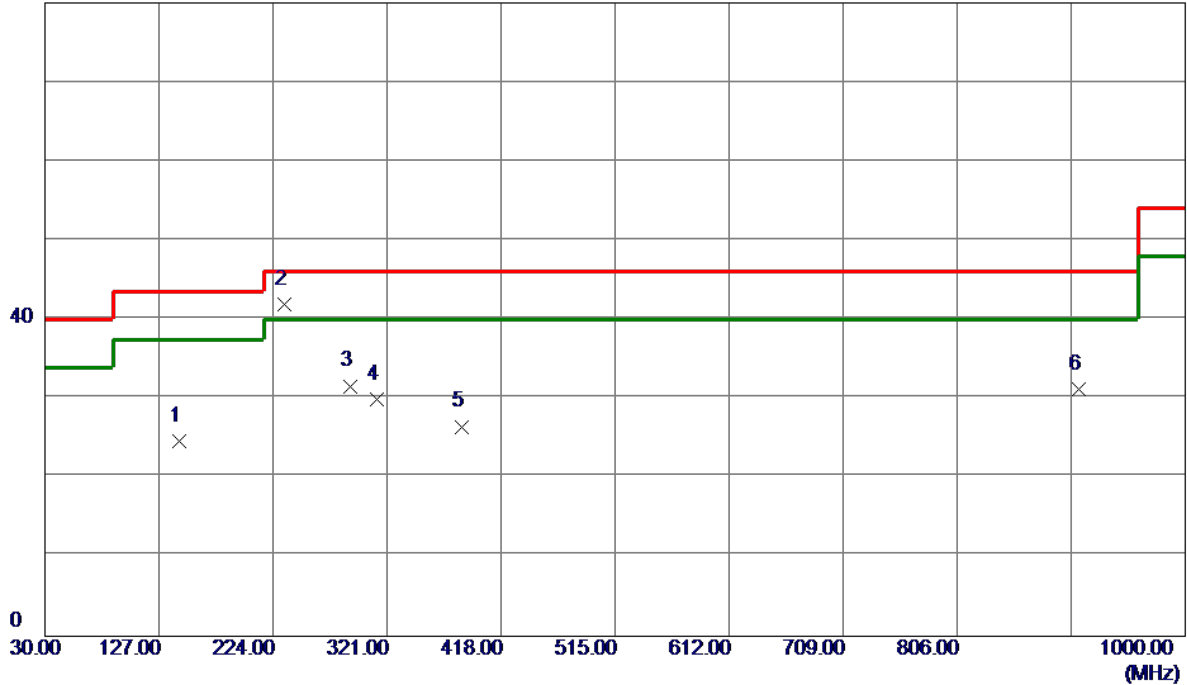
REMARKS:

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

Test Mode: TX B 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	144.4600	37.34	-12.72	24.62	43.50	-18.88	Peak	
2 *	233.7000	56.27	-14.32	41.95	46.00	-4.05	Peak	
3	289.9600	43.70	-12.10	31.60	46.00	-14.40	Peak	
4	312.2700	41.32	-11.44	29.88	46.00	-16.12	Peak	
5	385.0200	36.54	-10.06	26.48	46.00	-19.52	Peak	
6	909.7900	33.03	-1.90	31.13	46.00	-14.87	Peak	

REMARKS:

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

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

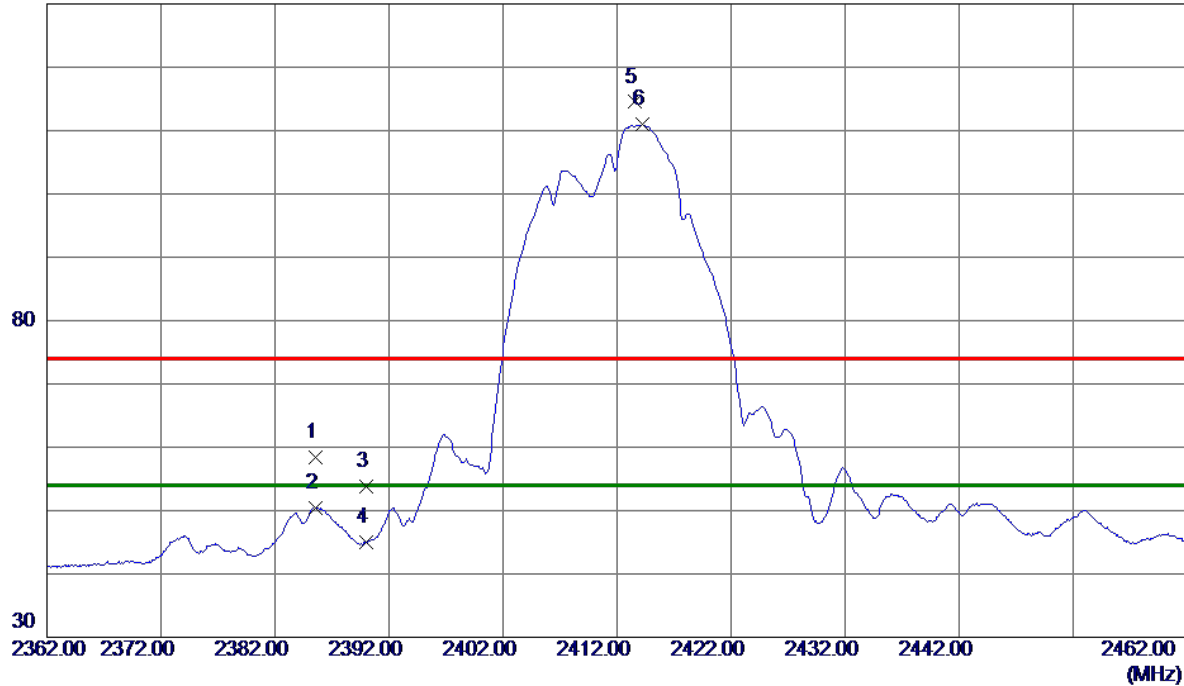
APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

Non Beamforming

Test Mode:	TX B Mode 2412 MHz
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Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2385.5500	48.70	9.78	58.48	74.00	-15.52	Peak	
2	2385.5500	40.61	9.78	50.39	54.00	-3.61	AVG	
3	2390.0000	43.95	9.78	53.73	74.00	-20.27	Peak	
4	2390.0000	35.29	9.78	45.07	54.00	-8.93	AVG	
5	2413.6000	104.71	9.79	114.50	74.00	40.50	Peak	No Limit
6 *	2414.2500	101.12	9.79	110.91	54.00	56.91	AVG	No Limit

REMARKS:

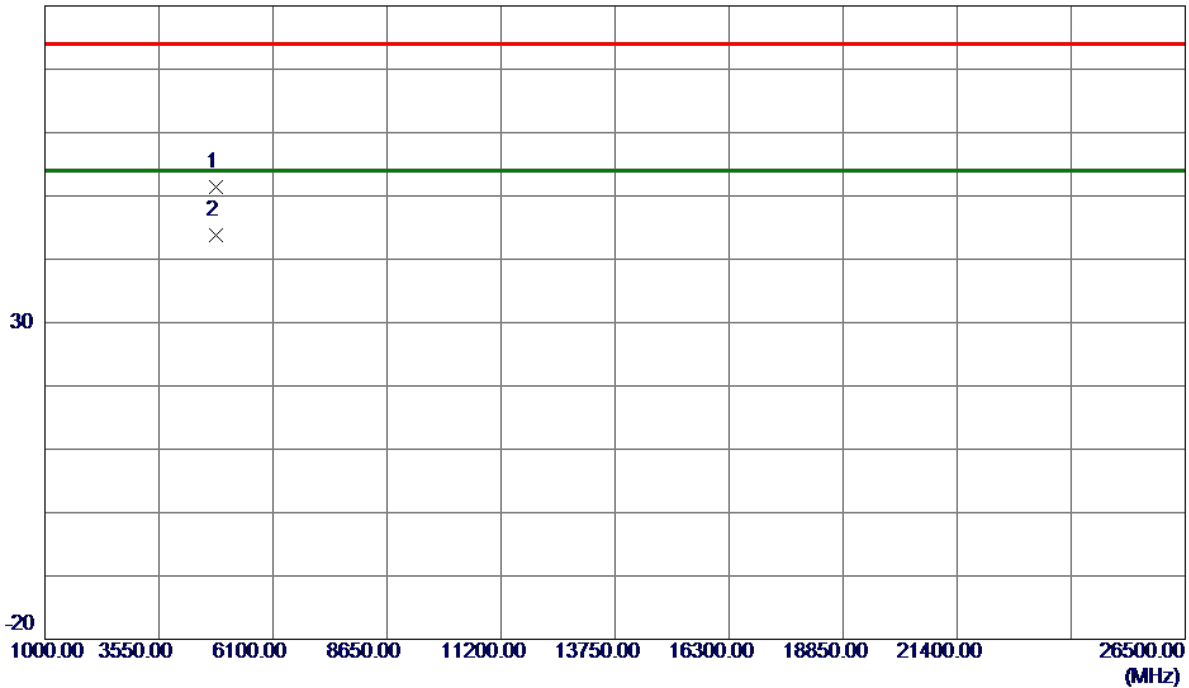
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode:	TX B Mode 2412 MHz
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Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.8680	45.38	6.08	51.46	74.00	-22.54	Peak	
2 *	4824.1600	37.77	6.09	43.86	54.00	-10.14	AVG	

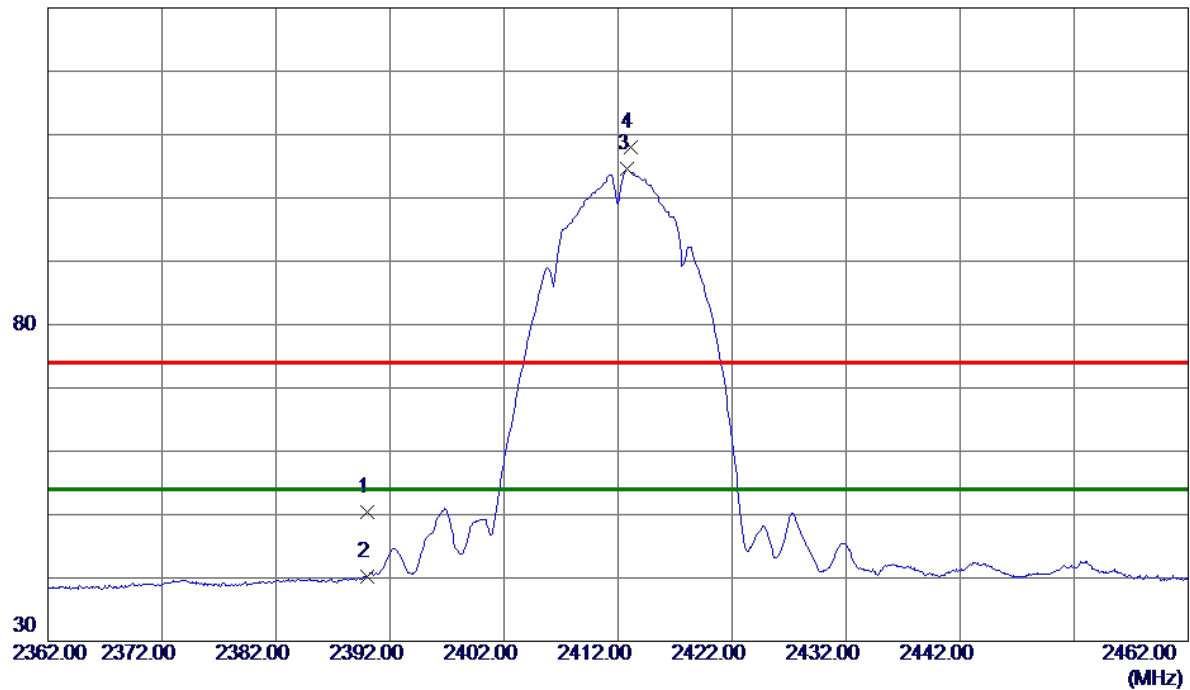
REMARKS:

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

Test Mode: TX B Mode 2412 MHz

Horizontal

130 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	39.91	10.50	50.41	74.00	-23.59	Peak	
2	2390.0000	29.76	10.50	40.26	54.00	-13.74	AVG	
3 *	2412.8000	93.99	10.56	104.55	54.00	50.55	AVG	No Limit
4	2413.1500	97.34	10.56	107.90	74.00	33.90	Peak	No Limit

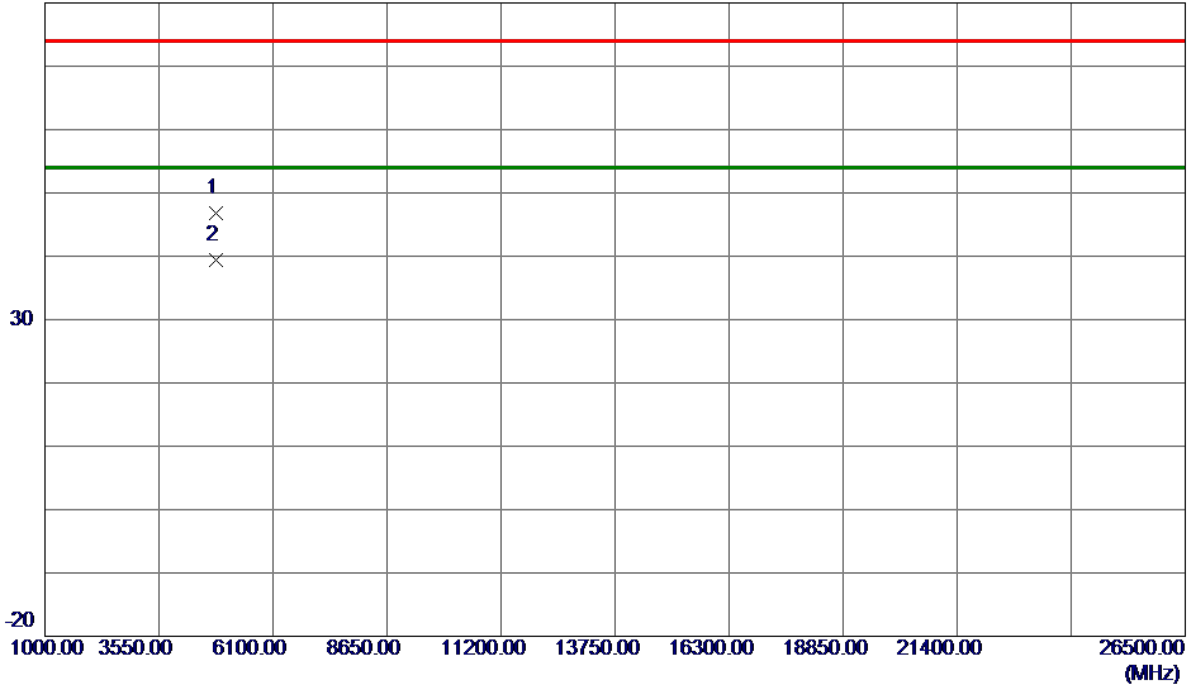
REMARKS:

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

Test Mode:	TX B Mode 2412 MHz
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Horizontal

80 dBuV/m



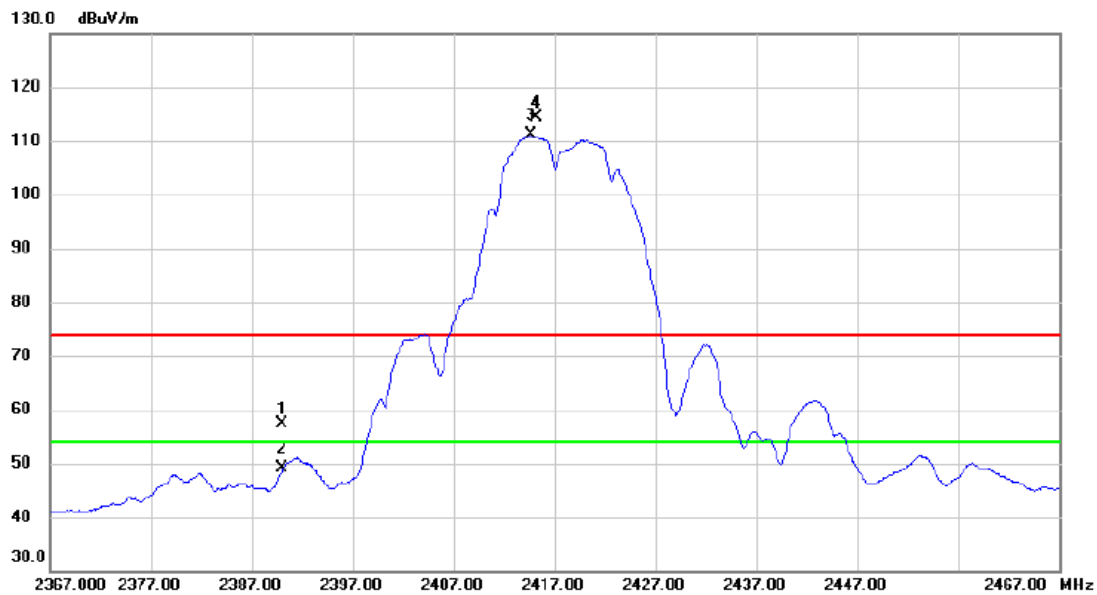
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.9600	40.78	6.08	46.86	74.00	-27.14	Peak	
2 *	4824.0419	33.40	6.08	39.48	54.00	-14.52	AVG	

REMARKS:

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

Test Mode: TX B Mode 2417 MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	47.66	9.78	57.44	74.00	-16.56	peak	
2		2390.000	39.23	9.78	49.01	54.00	-4.99	AVG	
3	*	2414.700	101.23	9.78	111.01	54.00	57.01	AVG	No Limit
4	X	2415.200	104.64	9.78	114.42	74.00	40.42	peak	No Limit

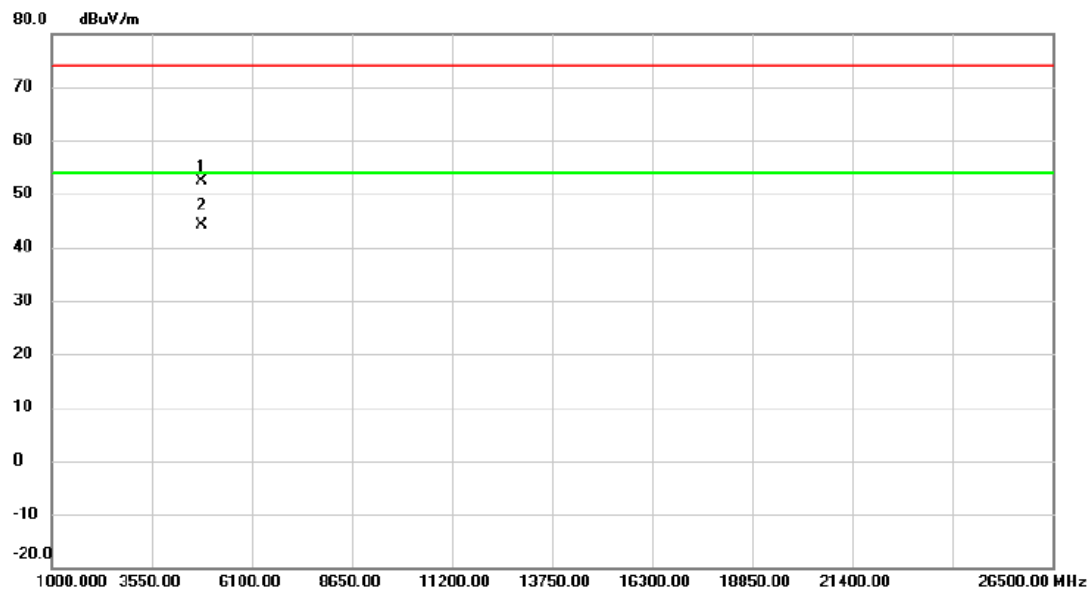
REMARKS:

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

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

Test Mode: TX B Mode 2417 MHz

Vertical



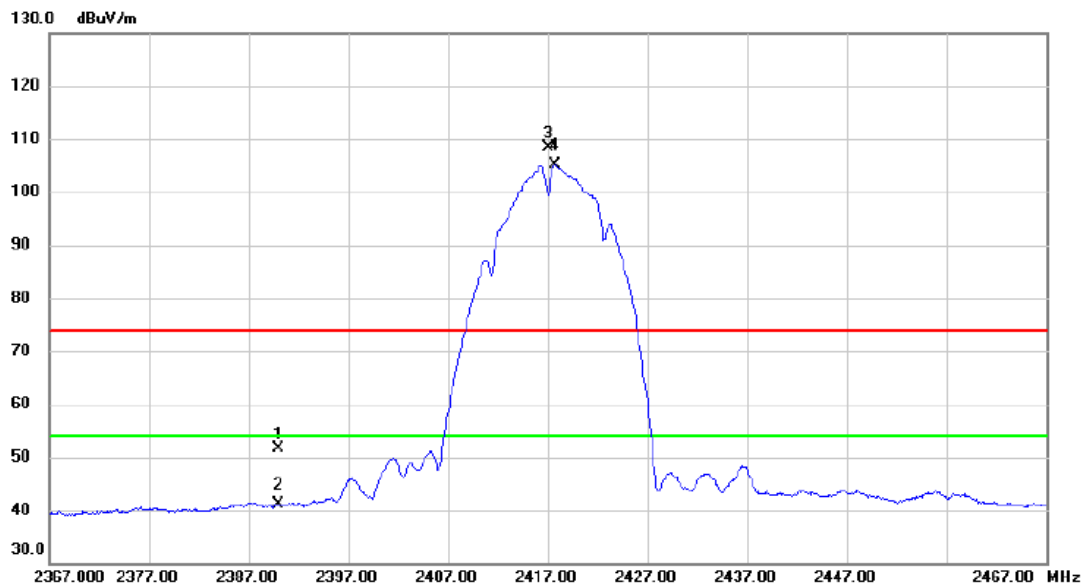
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4834.017	46.21	6.11	52.32	74.00	-21.68	peak	
2	*	4834.068	38.09	6.11	44.20	54.00	-9.80	AVG	

REMARKS:

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

Test Mode: TX B Mode 2417 MHz

Horizontal



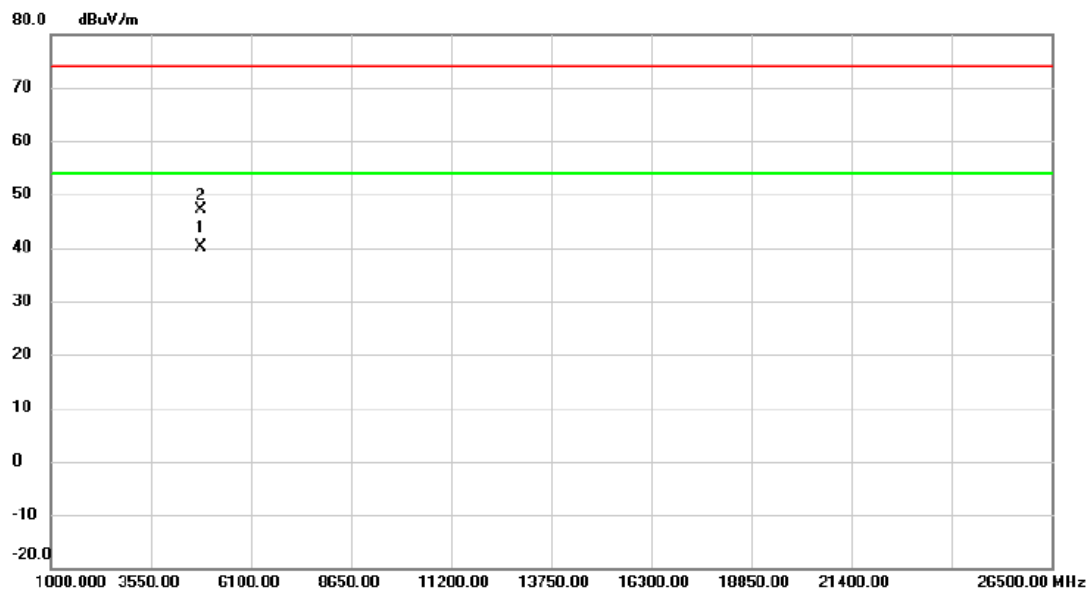
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	41.12	10.50	51.62	74.00	-22.38	peak	
2		2390.000	30.53	10.50	41.03	54.00	-12.97	AVG	
3	X	2417.100	97.87	10.57	108.44	74.00	34.44	peak	No Limit
4	*	2417.750	94.53	10.57	105.10	54.00	51.10	AVG	No Limit

REMARKS:

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

Test Mode: TX B Mode 2417 MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4834.060	34.00	6.11	40.11	54.00	-13.89	AVG	
2		4834.475	40.96	6.11	47.07	74.00	-26.93	peak	

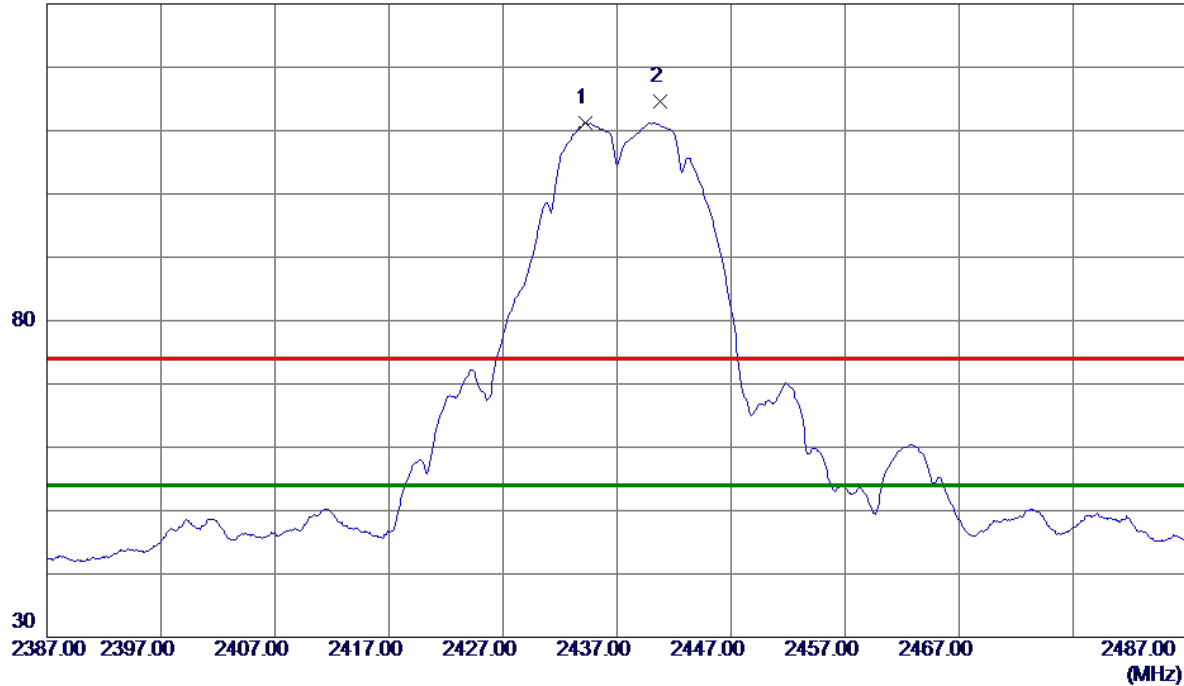
REMARKS:

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

Test Mode: TX B Mode 2437 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2434.2500	101.44	9.79	111.23	54.00	57.23	AVG	No Limit
2	2440.7500	104.75	9.79	114.54	74.00	40.54	Peak	No Limit

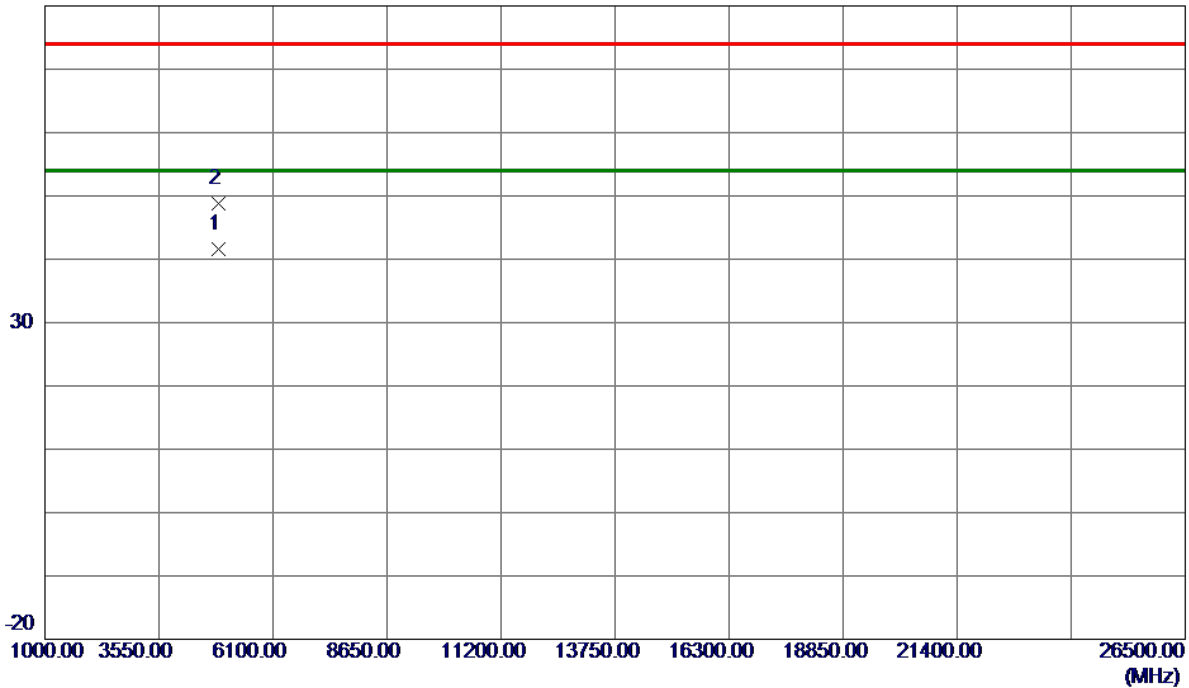
REMARKS:

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

Test Mode: TX B Mode 2437 MHz

Vertical

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 *	4874.0830	35.29	6.25	41.54	54.00	-12.46	AVG	
2	4875.4850	42.55	6.25	48.80	74.00	-25.20	Peak	

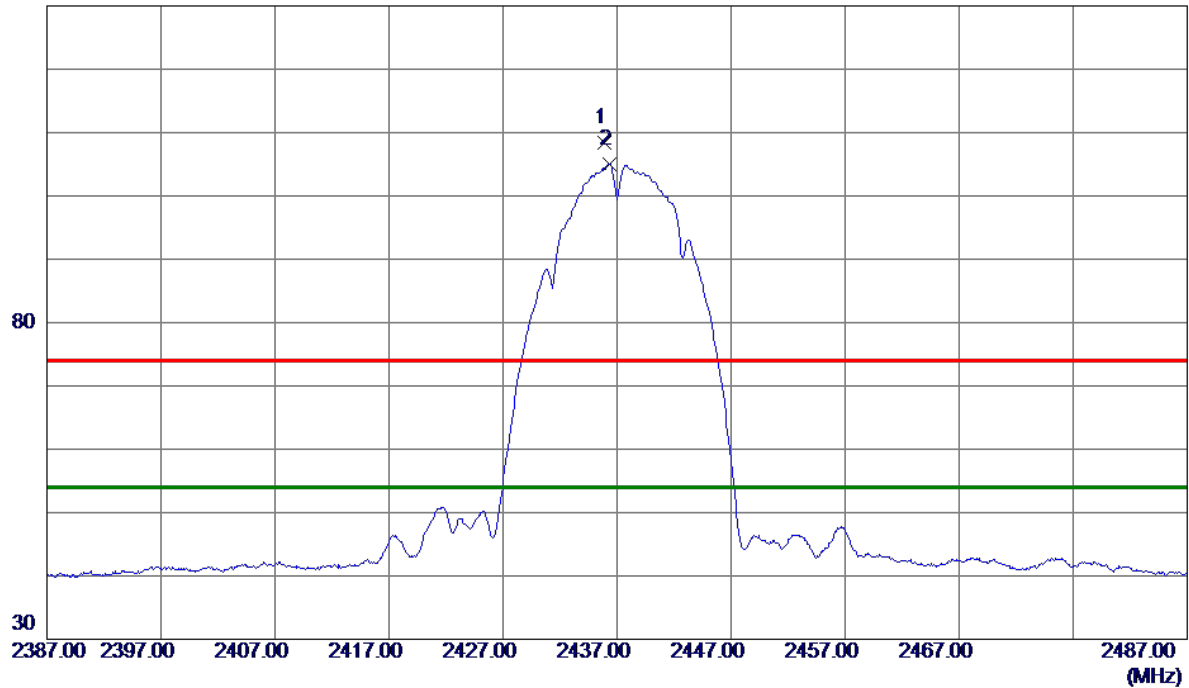
REMARKS:

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

Test Mode: TX B Mode 2437 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2435.9000	97.68	10.63	108.31	74.00	34.31	Peak	No Limit
2 *	2436.3000	94.41	10.63	105.04	54.00	51.04	AVG	No Limit

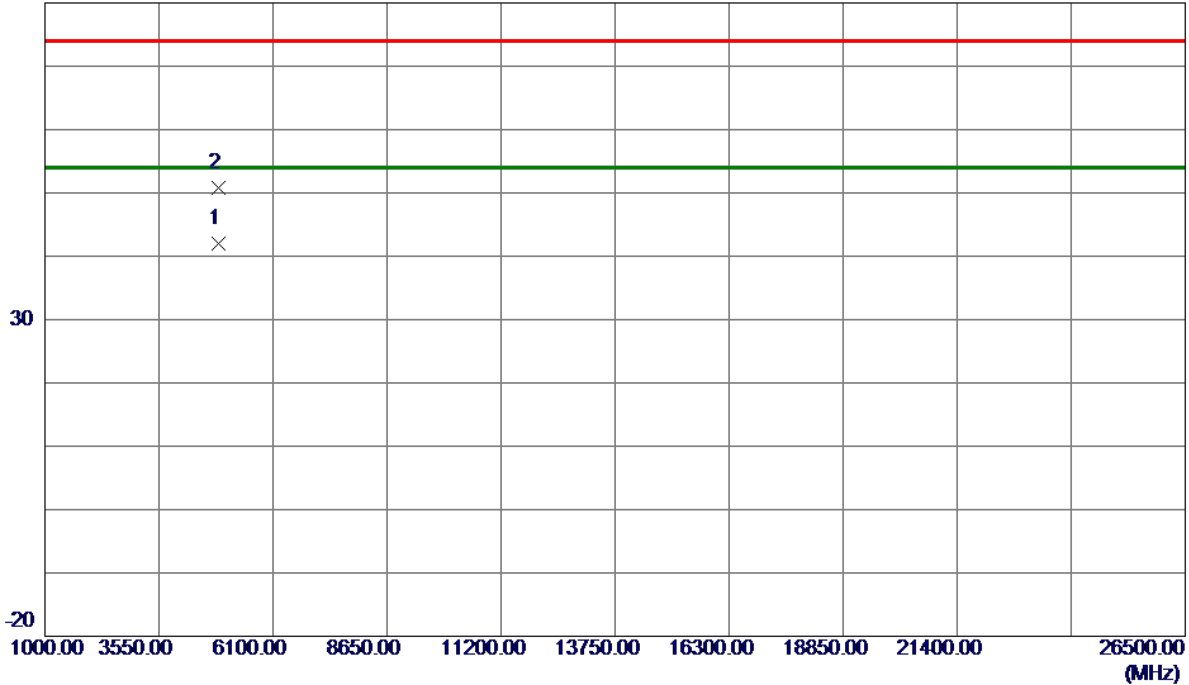
REMARKS:

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

Test Mode:	TX B Mode 2437 MHz
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Horizontal

80 dBuV/m



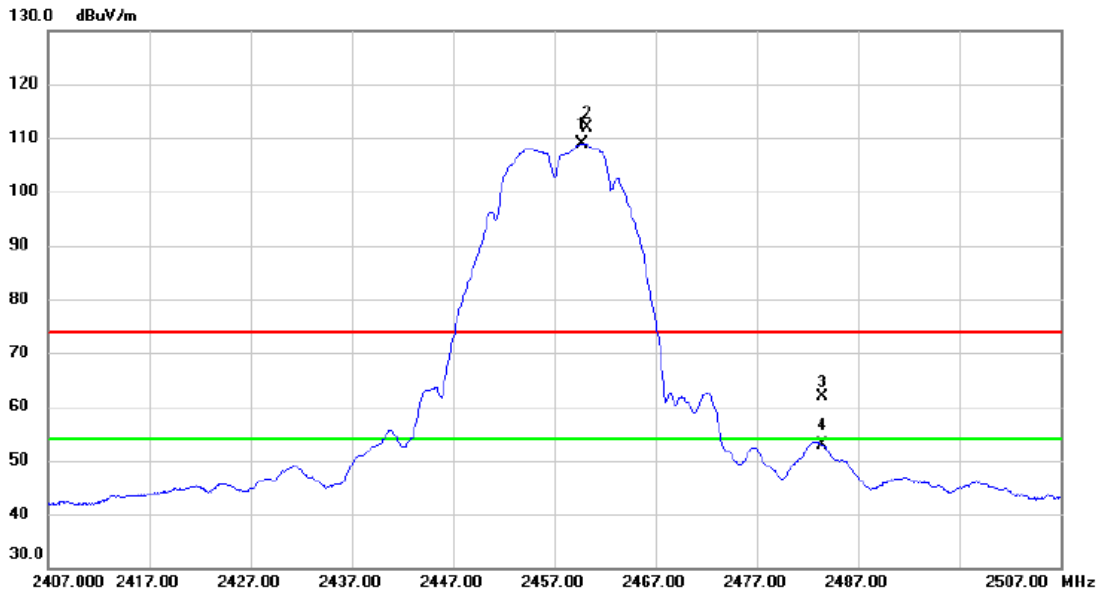
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4873.9670	35.81	6.25	42.06	54.00	-11.94	AVG	
2	4874.3350	44.56	6.25	50.81	74.00	-23.19	Peak	

REMARKS:

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

Test Mode: TX B Mode 2457 MHz

Vertical



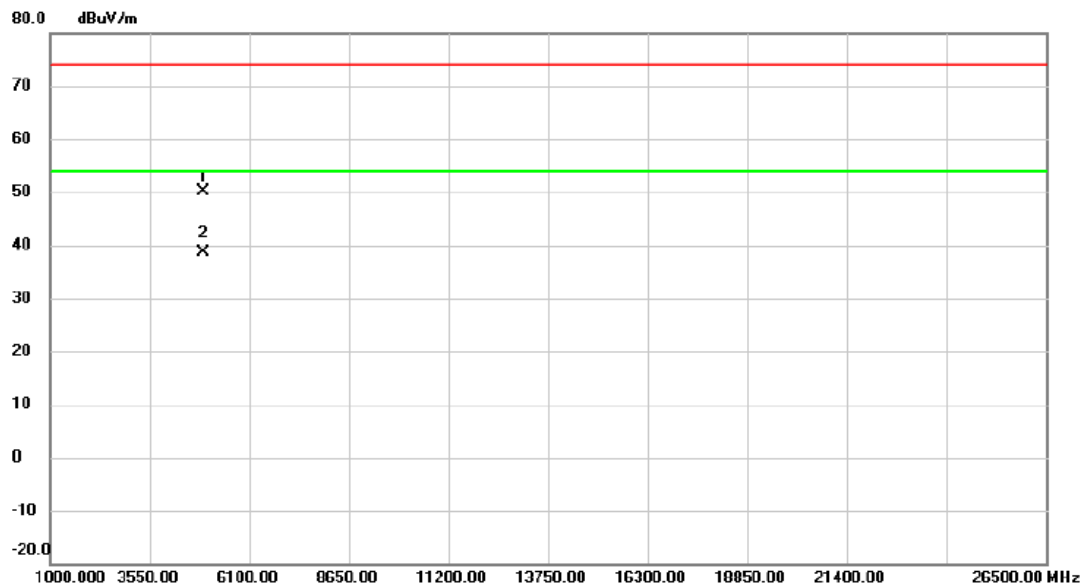
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2459.750	99.18	9.80	108.98	54.00	54.98	AVG	No Limit
2	X	2460.300	102.16	9.80	111.96	74.00	37.96	peak	No Limit
3		2483.500	52.10	9.81	61.91	74.00	-12.09	peak	
4		2483.500	43.01	9.81	52.82	54.00	-1.18	AVG	

REMARKS:

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

Test Mode: TX B Mode 2457 MHz

Vertical



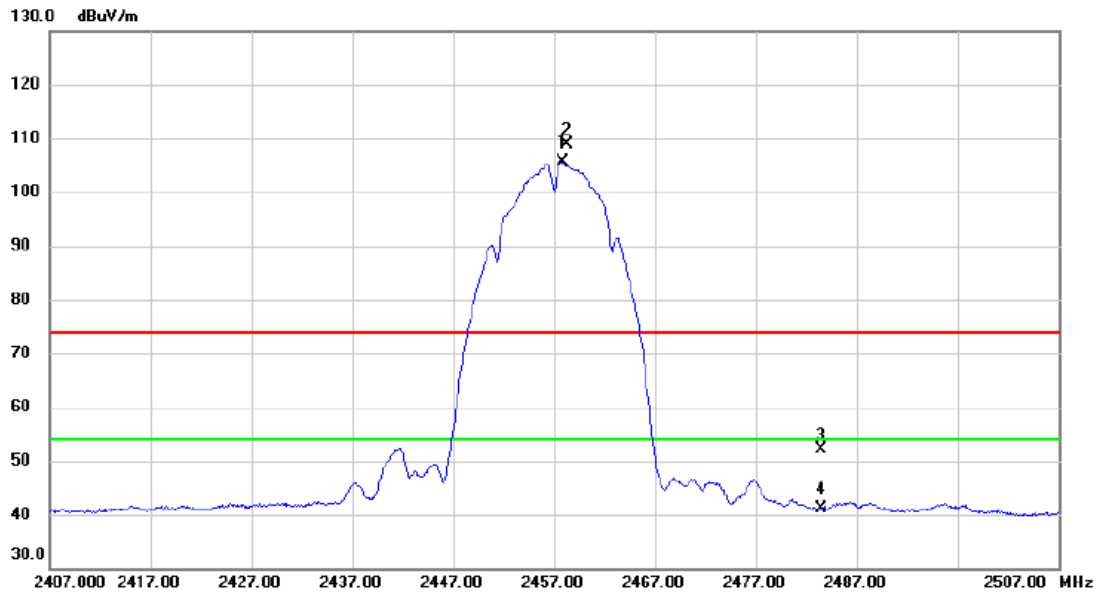
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4914.930	43.85	6.39	50.24	74.00	-23.76	peak	
2	*	4916.288	32.21	6.39	38.60	54.00	-15.40	AVG	

REMARKS:

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

Test Mode: TX B Mode 2457 MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2457.800	94.88	10.69	105.57	54.00	51.57	AVG	No Limit
2	X	2458.250	98.30	10.69	108.99	74.00	34.99	peak	No Limit
3		2483.500	41.26	10.76	52.02	74.00	-21.98	peak	
4		2483.500	30.36	10.76	41.12	54.00	-12.88	AVG	

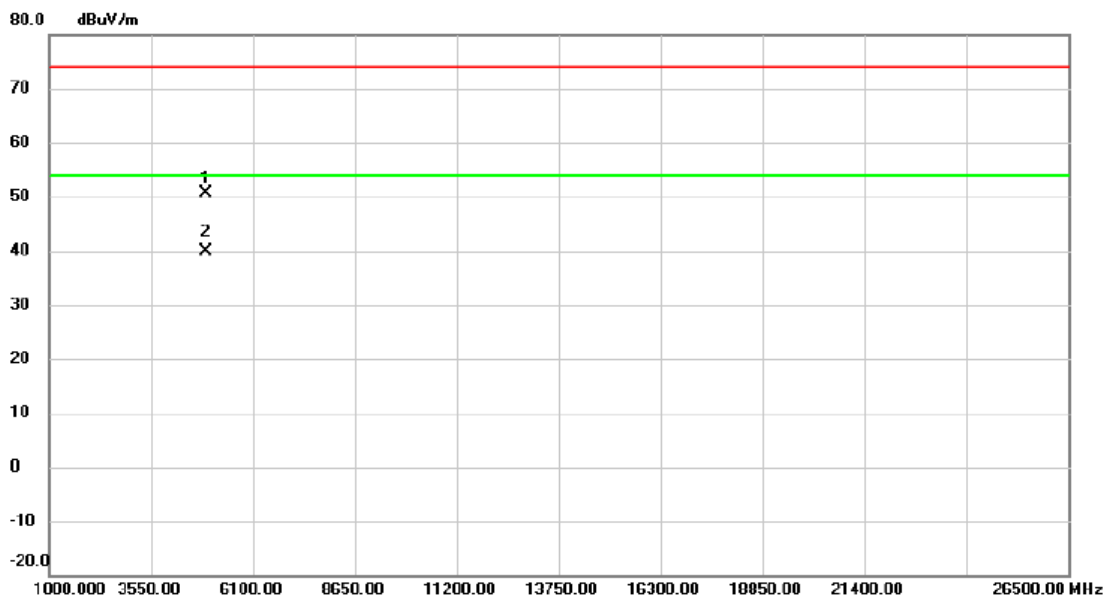
REMARKS:

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

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

Test Mode: TX B Mode 2457 MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4914.025	44.31	6.38	50.69	74.00	-23.31	peak	
2	*	4914.080	33.58	6.38	39.96	54.00	-14.04	AVG	

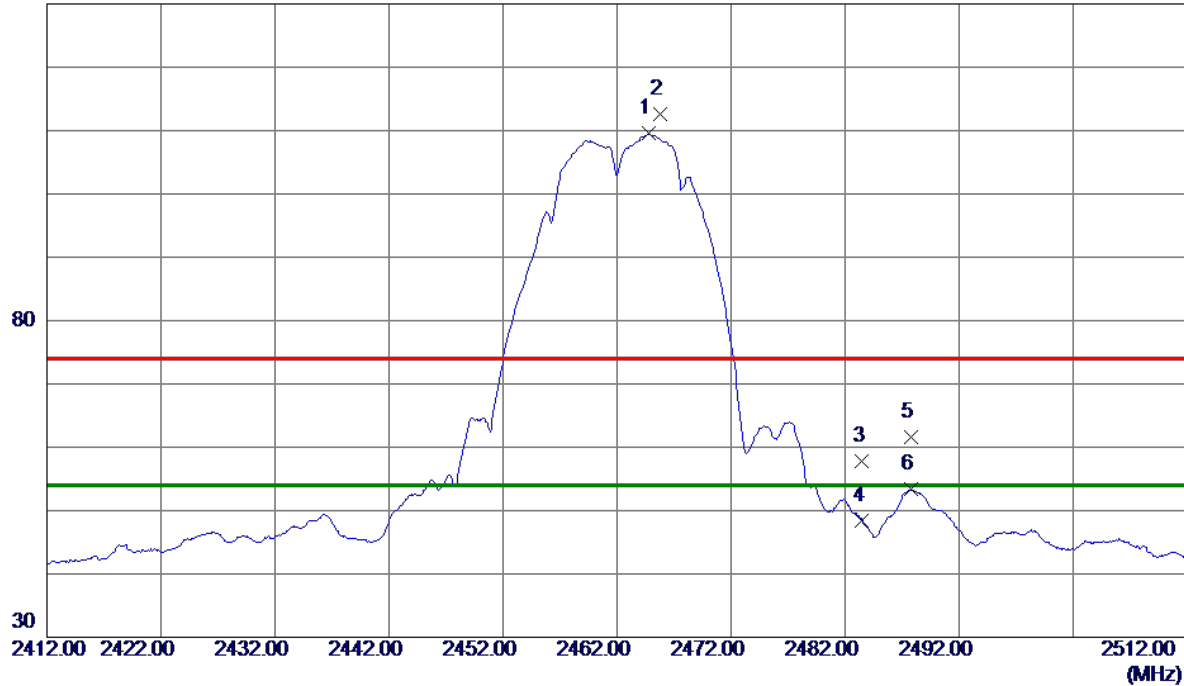
REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2464.7500	99.72	9.80	109.52	54.00	55.52	AVG	No Limit
2	2465.8000	102.73	9.80	112.53	74.00	38.53	Peak	No Limit
3	2483.5000	47.95	9.81	57.76	74.00	-16.24	Peak	
4	2483.5000	38.55	9.81	48.36	54.00	-5.64	AVG	
5	2487.7500	51.79	9.81	61.60	74.00	-12.40	Peak	
6	2487.7500	43.62	9.81	53.43	54.00	-0.57	AVG	

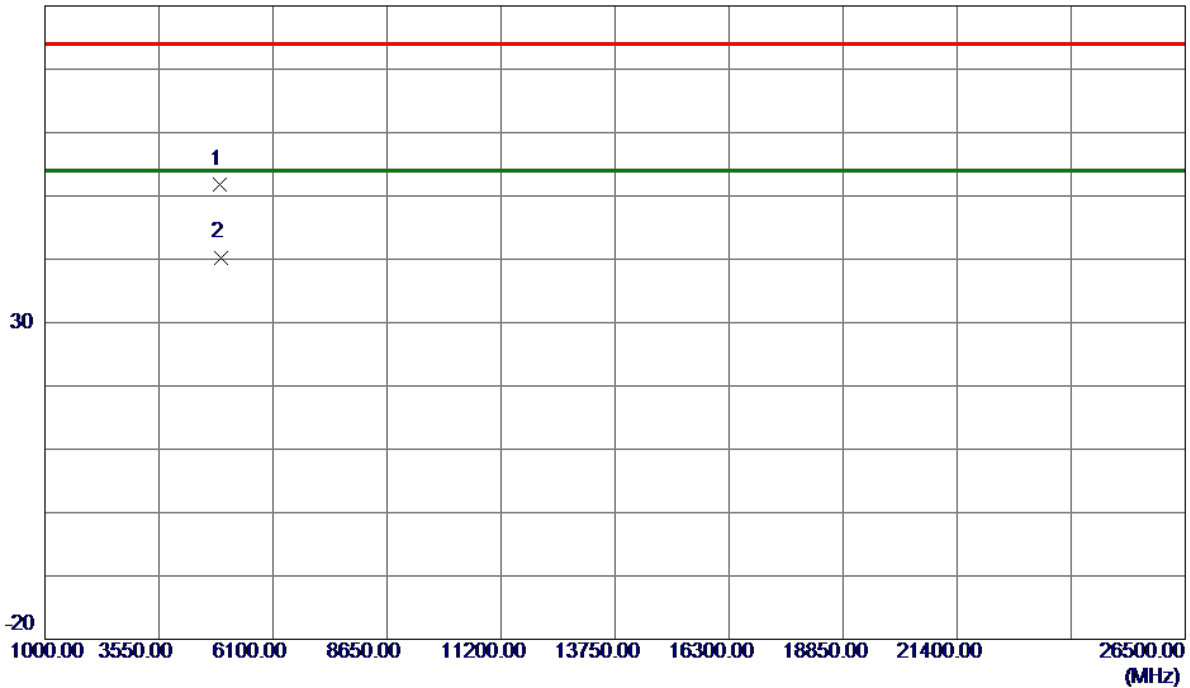
REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.7200	45.34	6.41	51.75	74.00	-22.25	Peak	
2 *	4925.0970	33.88	6.42	40.30	54.00	-13.70	AVG	

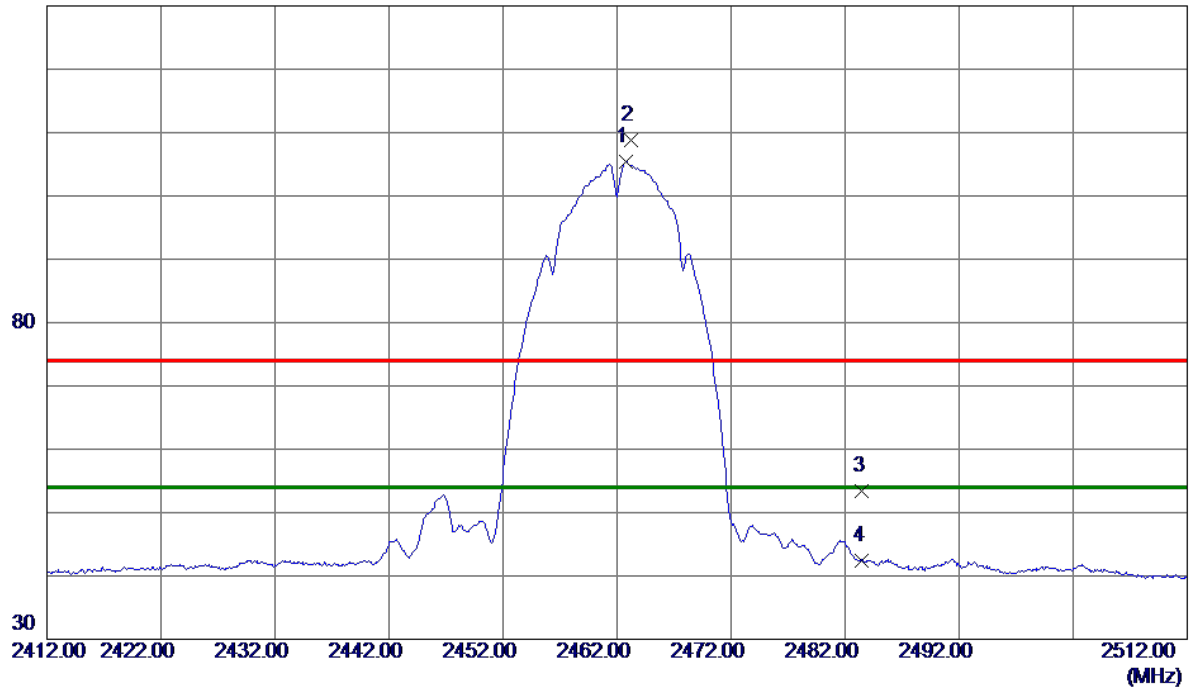
REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2462.8000	94.70	10.70	105.40	54.00	51.40	AVG	No Limit
2	2463.2000	98.13	10.70	108.83	74.00	34.83	Peak	No Limit
3	2483.5000	42.72	10.76	53.48	74.00	-20.52	Peak	
4	2483.5000	31.61	10.76	42.37	54.00	-11.63	AVG	

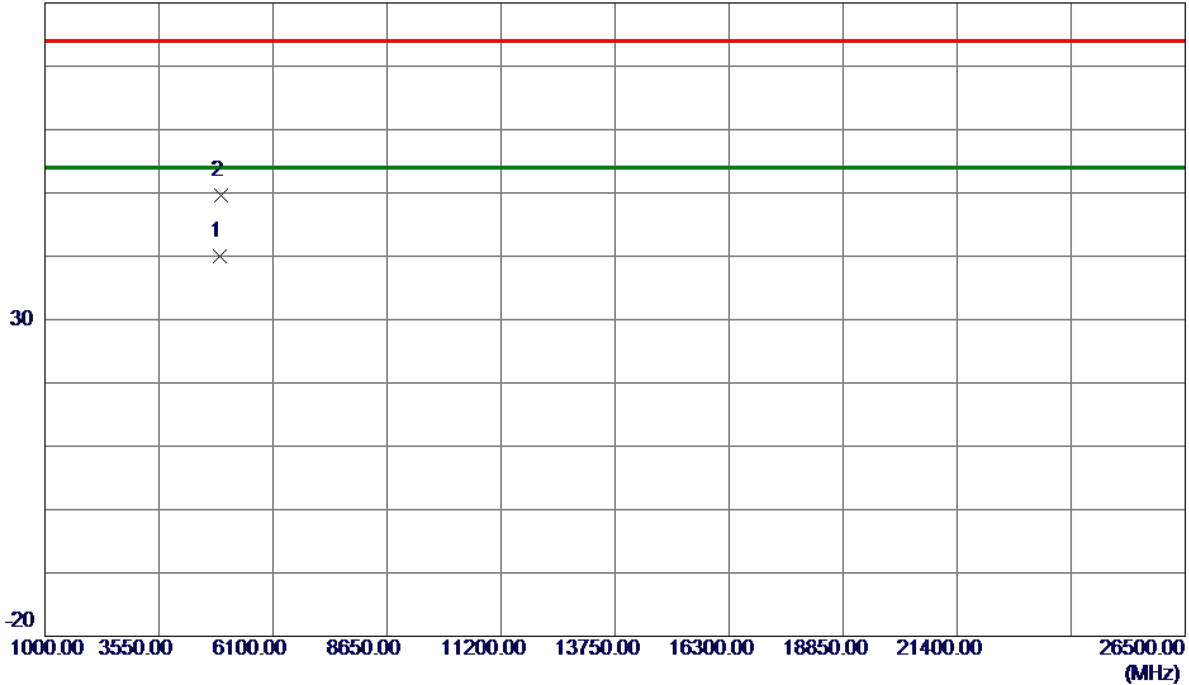
REMARKS:

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

Test Mode:	TX B Mode 2462 MHz
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Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.0600	33.53	6.41	39.94	54.00	-14.06	AVG	
2	4924.3800	43.23	6.41	49.64	74.00	-24.36	Peak	

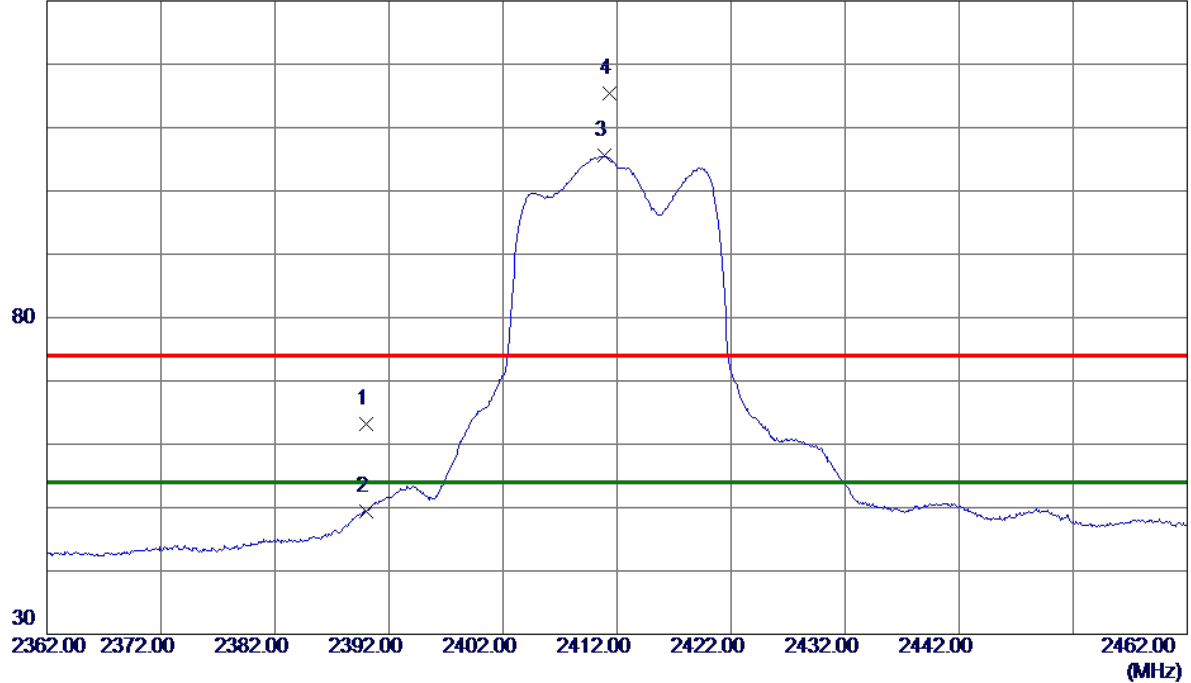
REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Vertical

130 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	52.71	10.50	63.21	74.00	-10.79	Peak	
2	2390.0000	38.92	10.50	49.42	54.00	-4.58	AVG	
3 *	2410.9000	95.04	10.56	105.60	54.00	51.60	AVG	No Limit
4	2411.3000	104.80	10.56	115.36	74.00	41.36	Peak	No Limit

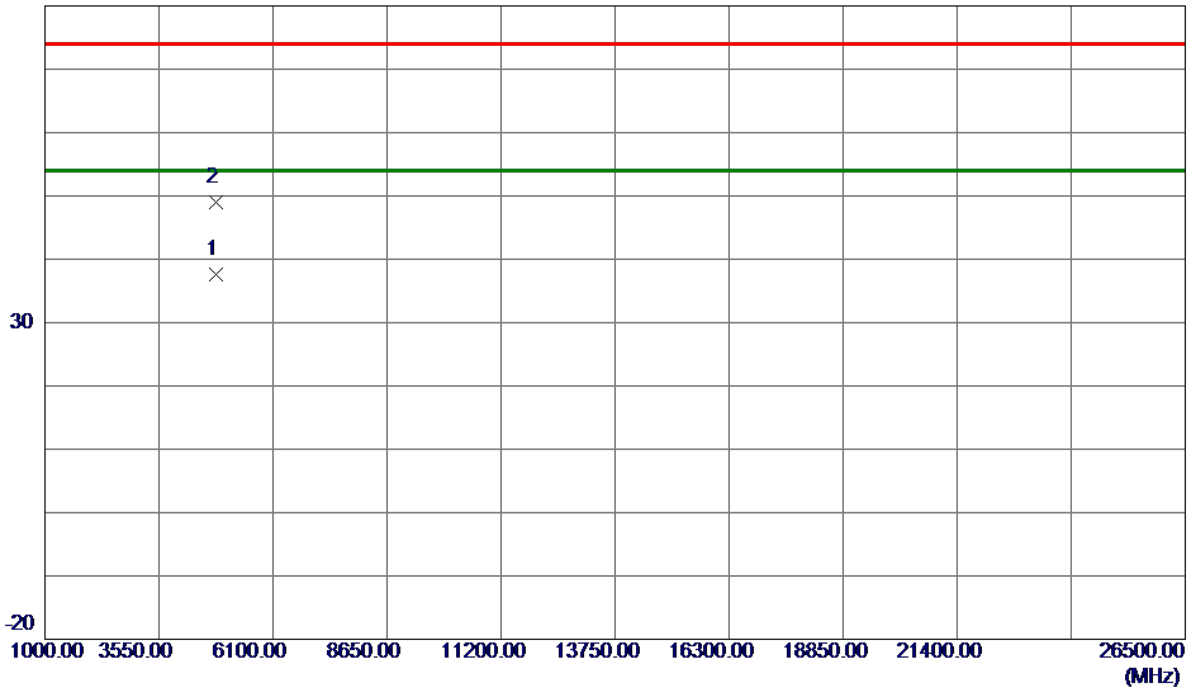
REMARKS:

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

Test Mode:	TX G Mode 2412 MHz
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Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4826.5000	31.06	6.53	37.59	54.00	-16.41	AVG	
2	4829.4000	42.43	6.54	48.97	74.00	-25.03	Peak	

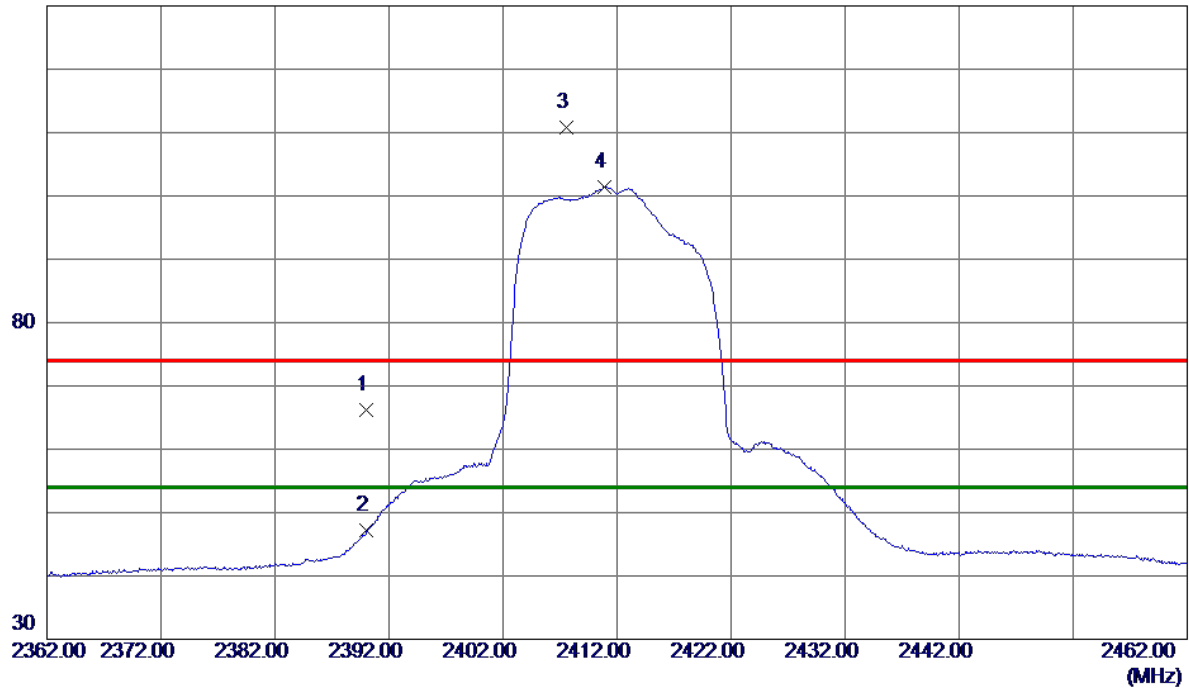
REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Horizontal

130 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	55.78	10.50	66.28	74.00	-7.72	Peak	
2	2390.0000	36.74	10.50	47.24	54.00	-6.76	AVG	
3	2407.5500	100.31	10.55	110.86	74.00	36.86	Peak	No Limit
4 *	2410.9000	90.92	10.56	101.48	54.00	47.48	AVG	No Limit

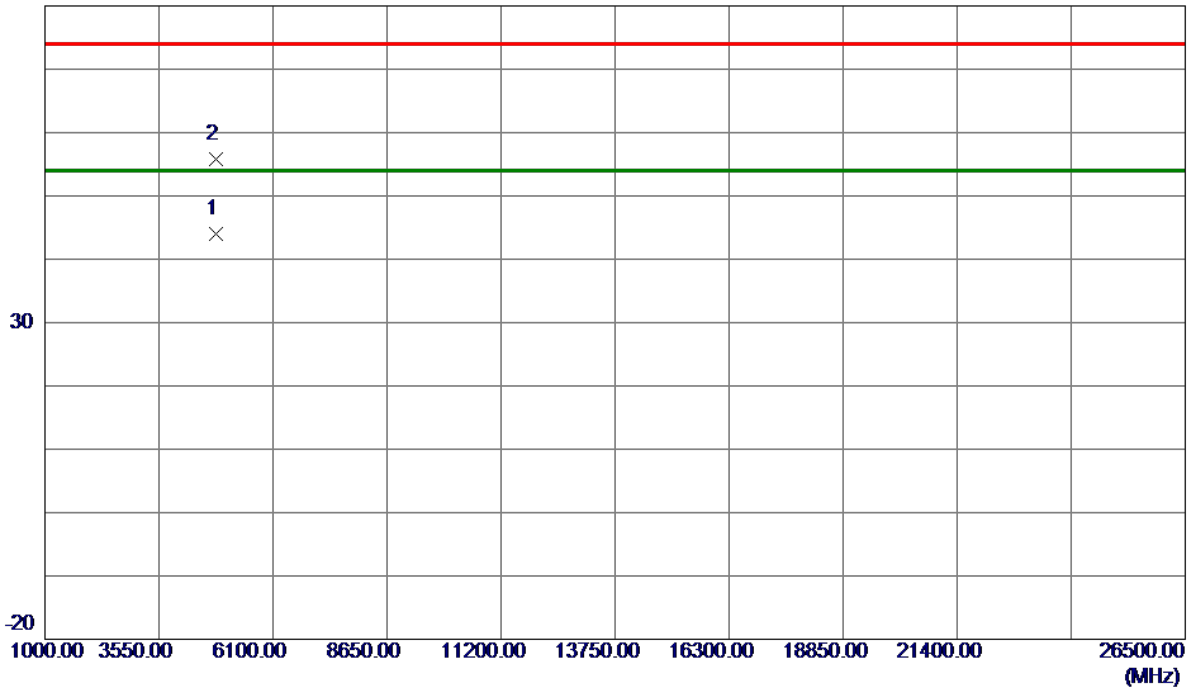
REMARKS:

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

Test Mode:	TX G Mode 2412 MHz
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Horizontal

80 dBuV/m



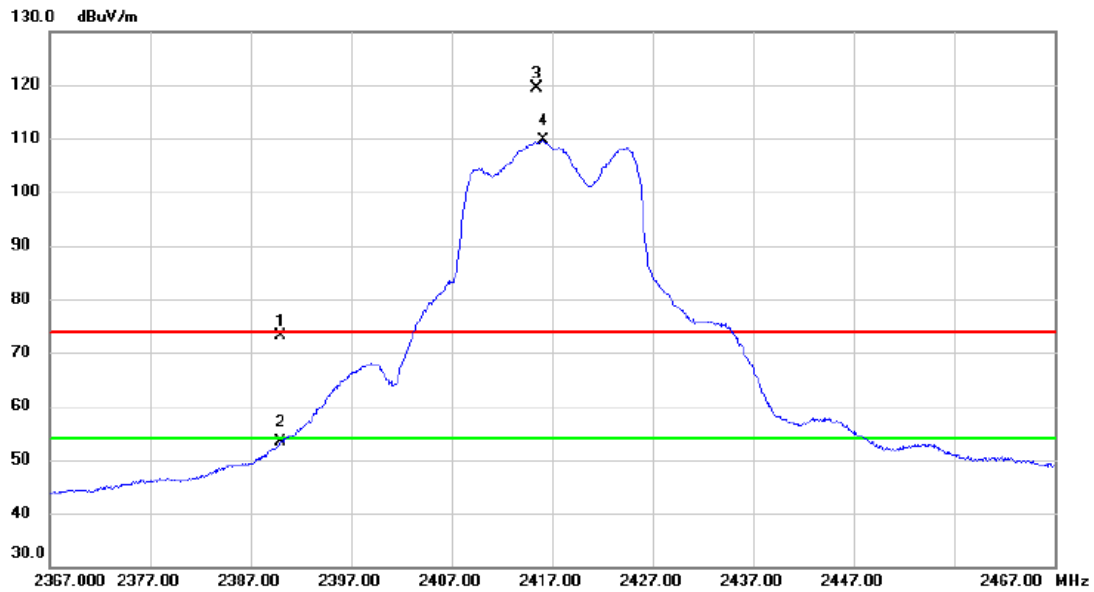
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4826.0750	37.43	6.53	43.96	54.00	-10.04	AVG	
2	4826.2000	49.24	6.53	55.77	74.00	-18.23	Peak	

REMARKS:

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

Test Mode: TX G Mode 2417 MHz

Vertical



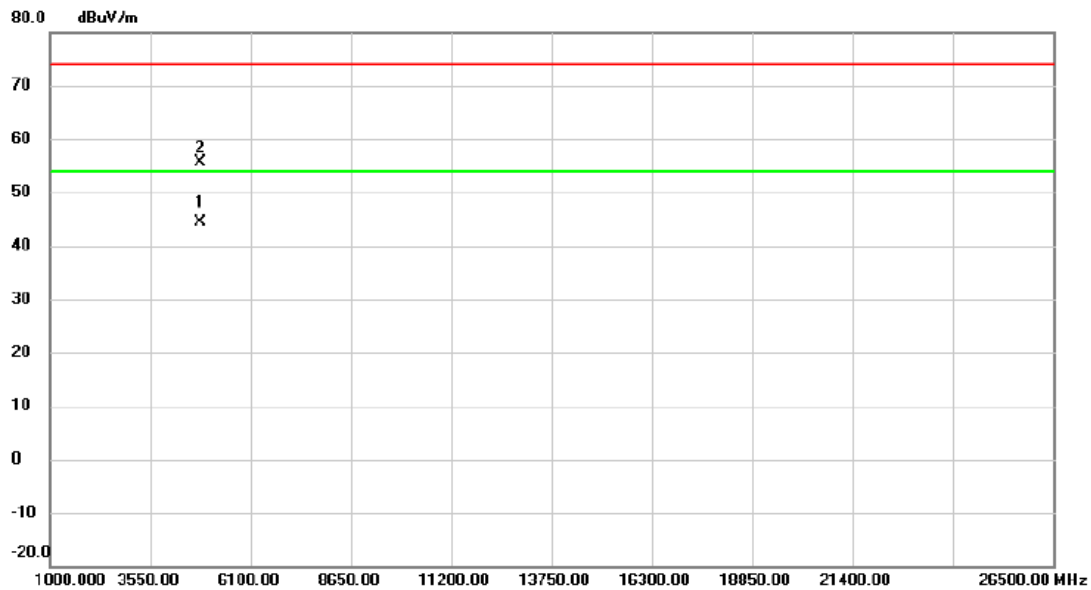
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	62.57	10.50	73.07	74.00	-0.93	peak	
2		2390.000	42.94	10.50	53.44	54.00	-0.56	AVG	
3	X	2415.500	108.75	10.56	119.31	74.00	45.31	peak	No Limit
4	*	2416.100	99.13	10.57	109.70	54.00	55.70	AVG	No Limit

REMARKS:

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

Test Mode:	TX G Mode 2417 MHz
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Vertical



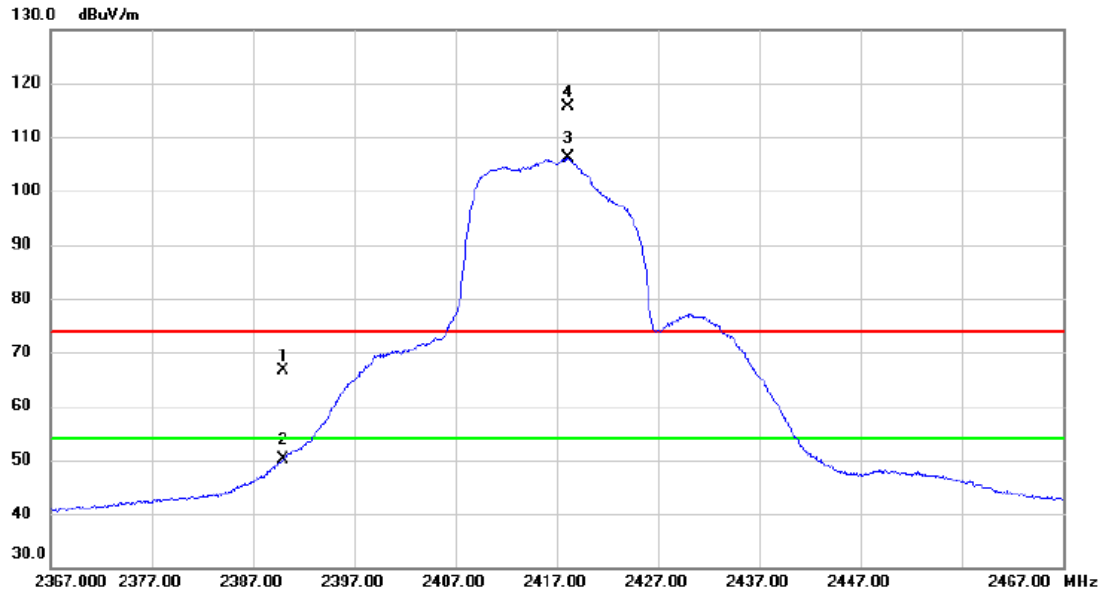
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4837.825	37.80	6.56	44.36	54.00	-9.64	AVG	
2		4838.275	49.09	6.56	55.65	74.00	-18.35	peak	

REMARKS:

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

Test Mode: TX G Mode 2417 MHz

Horizontal



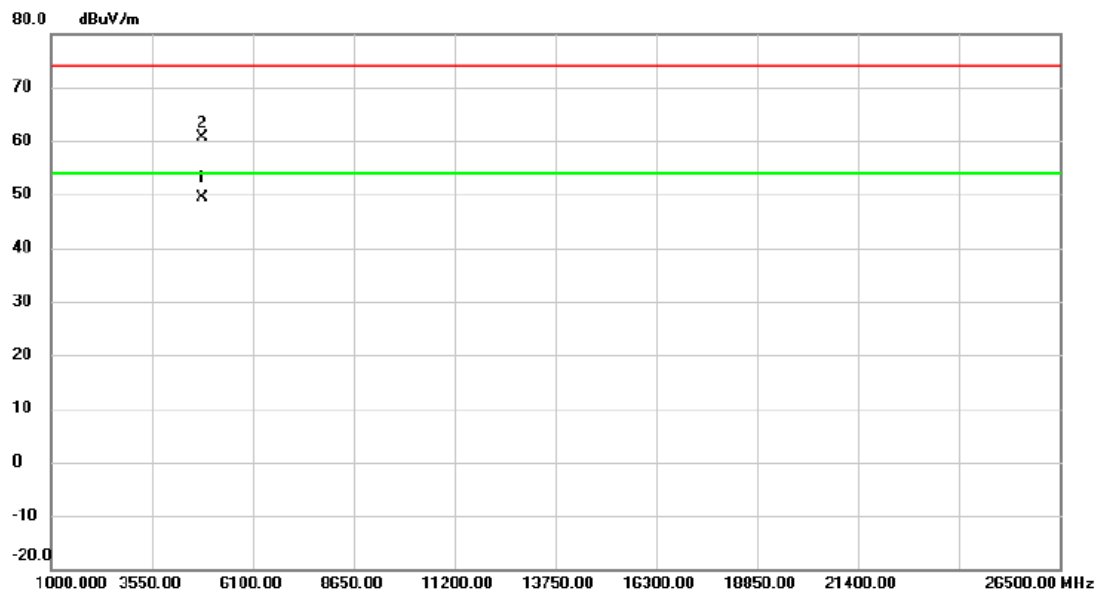
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	56.19	10.50	66.69	74.00	-7.31	peak	
2		2390.000	39.52	10.50	50.02	54.00	-3.98	AVG	
3	*	2418.100	95.47	10.57	106.04	54.00	52.04	AVG	No Limit
4	X	2418.200	105.06	10.58	115.64	74.00	41.64	peak	No Limit

REMARKS:

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

Test Mode: TX G Mode 2417 MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4836.450	42.73	6.56	49.29	54.00	-4.71	AVG	
2		4838.350	53.98	6.56	60.54	74.00	-13.46	peak	

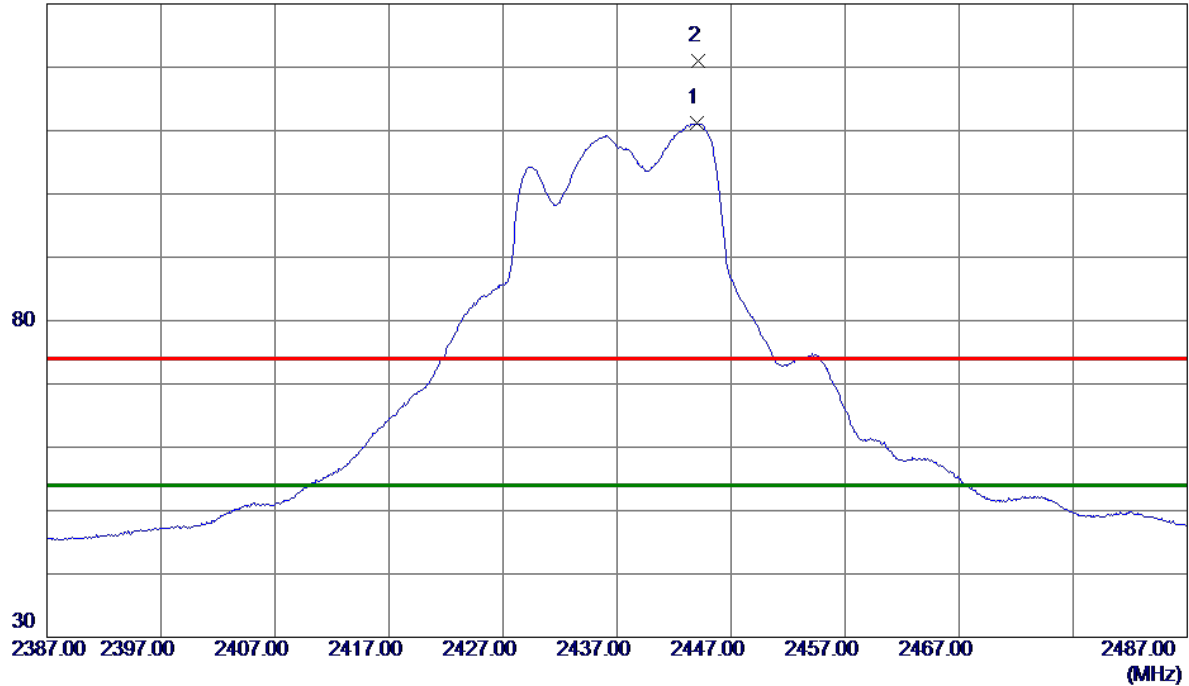
REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2443.9500	100.46	10.65	111.11	54.00	57.11	AVG	No Limit
2	2444.1500	110.43	10.65	121.08	74.00	47.08	Peak	No Limit

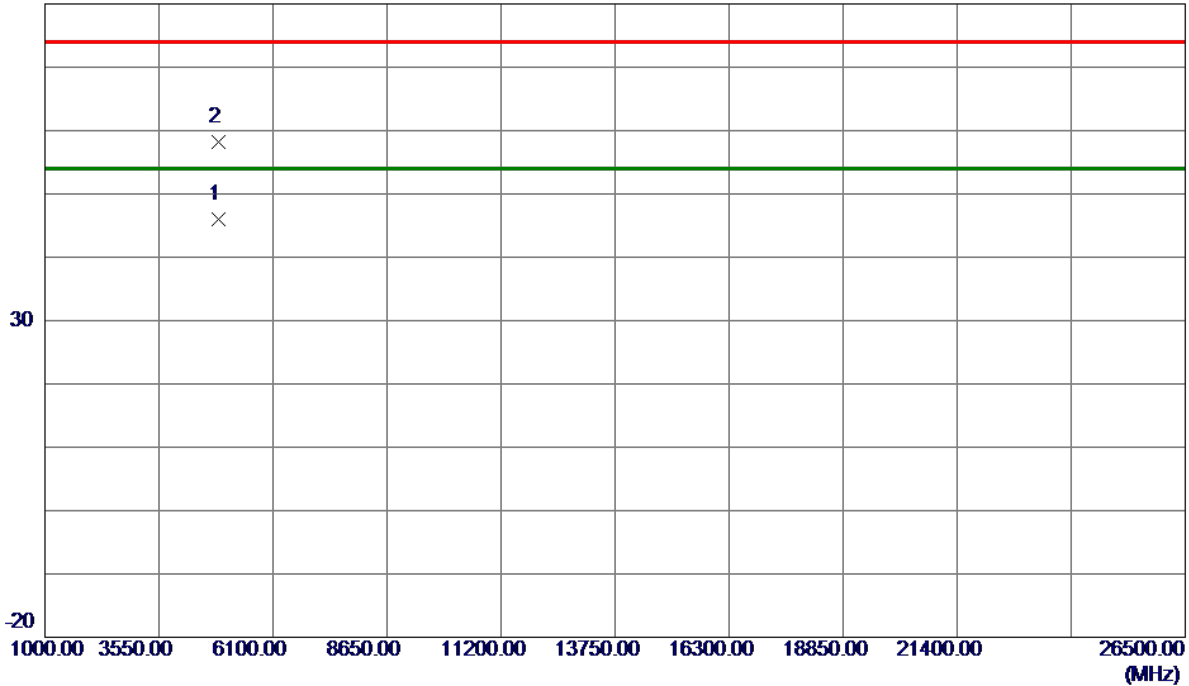
REMARKS:

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

Test Mode:	TX G Mode 2437 MHz
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Vertical

80 dBuV/m



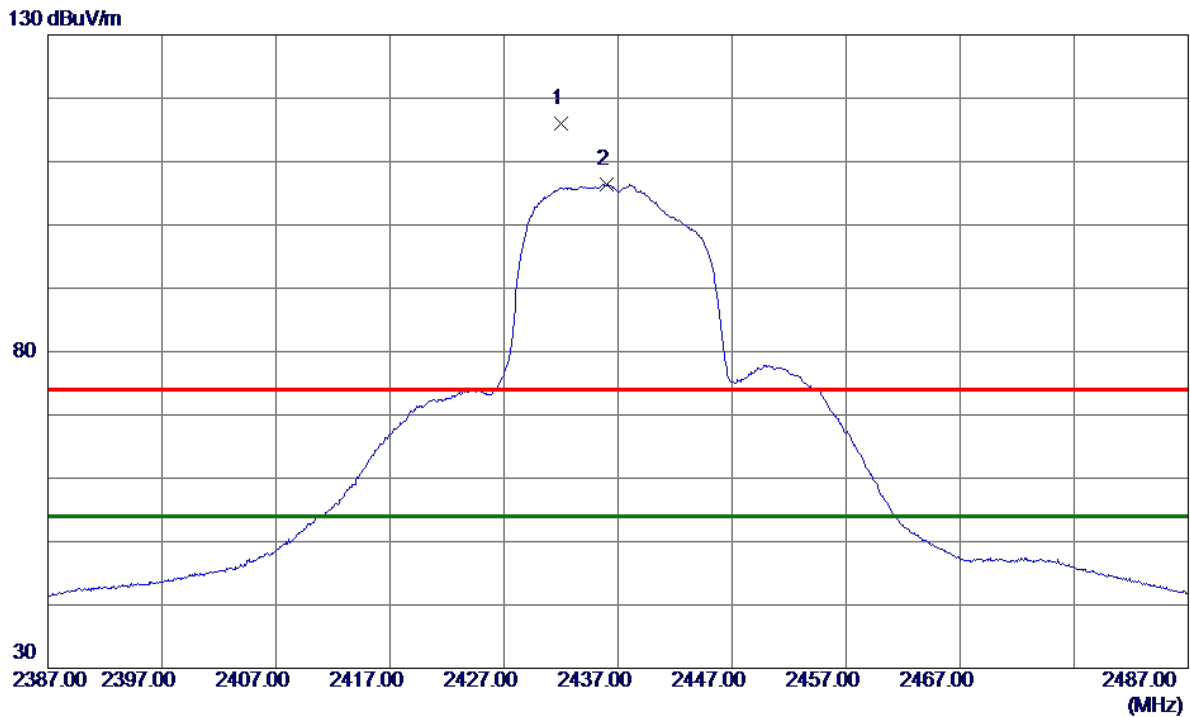
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4876.1500	39.43	6.65	46.08	54.00	-7.92	AVG	
2	4877.8750	51.49	6.66	58.15	74.00	-15.85	Peak	

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	2431.9500	105.31	10.62	115.93	74.00	41.93	Peak	No Limit
2 *	2435.9500	95.79	10.63	106.42	54.00	52.42	AVG	No Limit

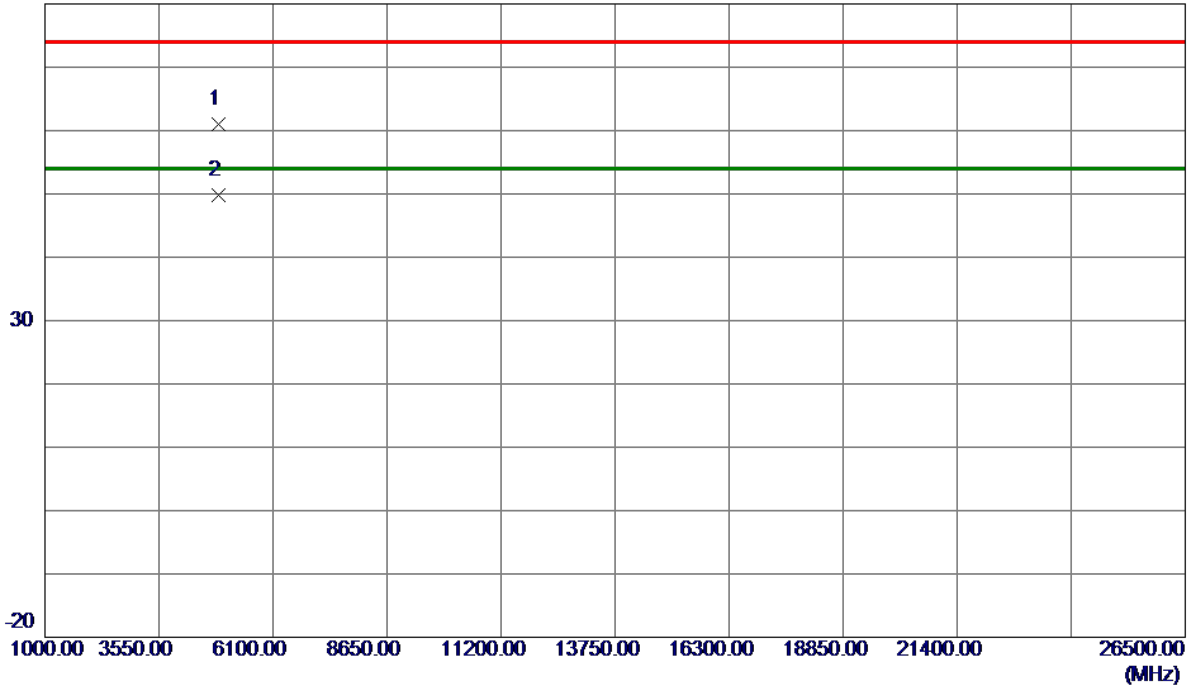
REMARKS:

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

Test Mode:	TX G Mode 2437 MHz
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Horizontal

80 dBuV/m



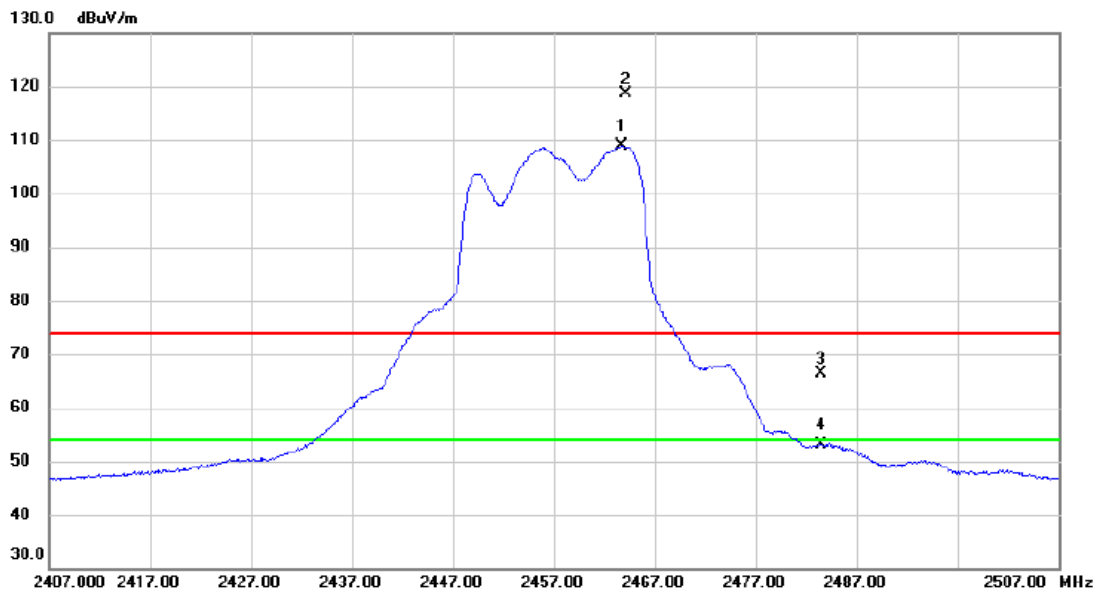
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4877.2000	54.27	6.66	60.93	74.00	-13.07	Peak	
2 *	4878.1000	43.12	6.66	49.78	54.00	-4.22	AVG	

REMARKS:

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

Test Mode: TX G Mode 2457 MHz

Vertical



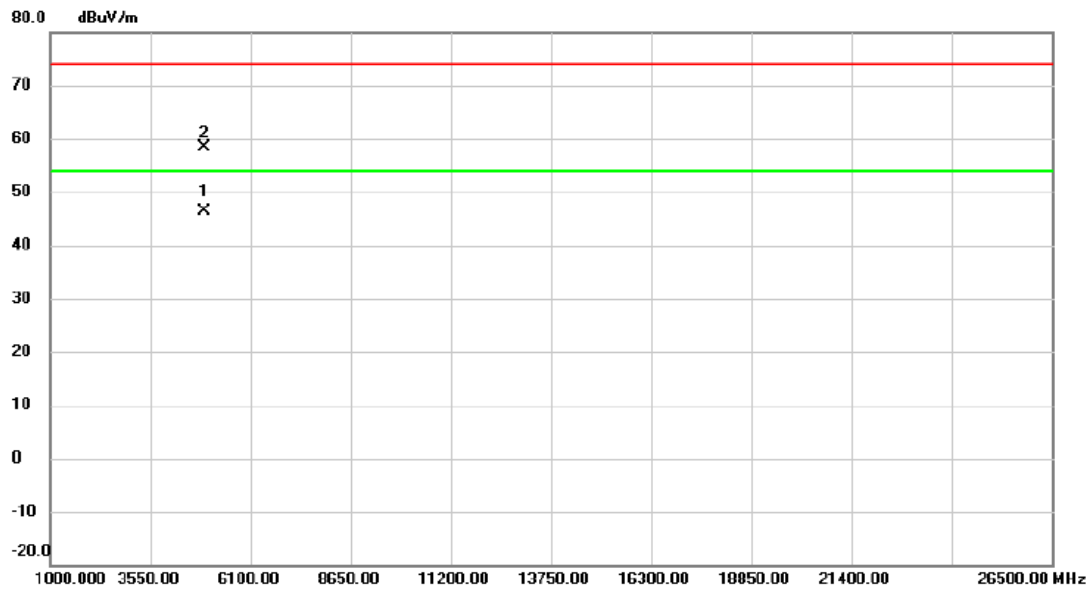
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2463.750	98.28	10.71	108.99	54.00	54.99	AVG	No Limit
2	X	2464.100	108.02	10.71	118.73	74.00	44.73	peak	No Limit
3		2483.500	55.72	10.76	66.48	74.00	-7.52	peak	
4		2483.500	42.42	10.76	53.18	54.00	-0.82	AVG	

REMARKS:

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

Test Mode: TX G Mode 2457 MHz

Vertical



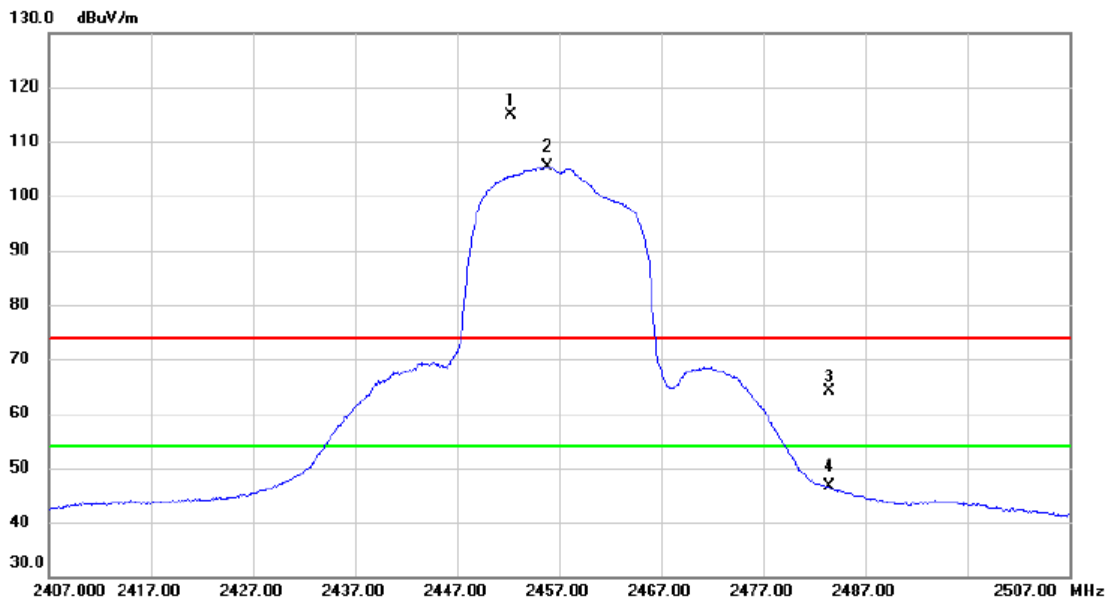
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4916.700	39.55	6.76	46.31	54.00	-7.69	AVG	
2		4917.825	51.58	6.76	58.34	74.00	-15.66	peak	

REMARKS:

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

Test Mode: TX G Mode 2457 MHz

Horizontal



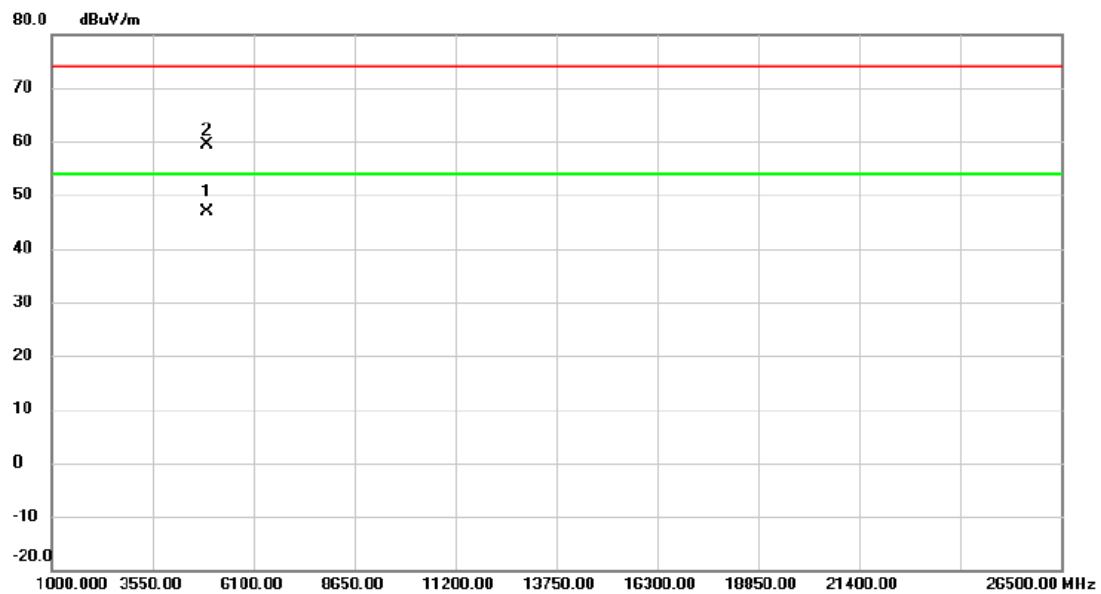
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2452.300	104.21	10.67	114.88	74.00	40.88	peak	No Limit
2	*	2455.850	94.82	10.68	105.50	54.00	51.50	AVG	No Limit
3		2483.500	53.37	10.76	64.13	74.00	-9.87	peak	
4		2483.500	35.87	10.76	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 G Mode 2457 MHz
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Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4919.575	40.01	6.76	46.77	54.00	-7.23	AVG	
2		4919.675	52.60	6.76	59.36	74.00	-14.64	peak	

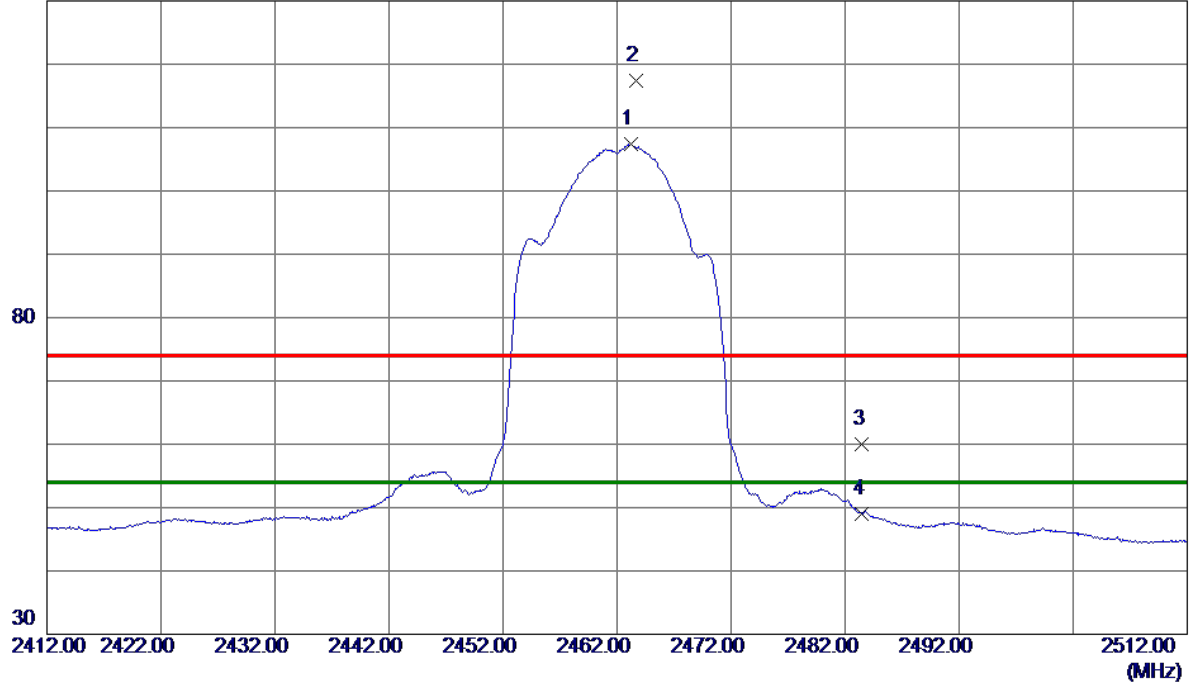
REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2463.2500	96.74	10.70	107.44	54.00	53.44	AVG	No Limit
2	2463.6500	106.64	10.71	117.35	74.00	43.35	Peak	No Limit
3	2483.5000	49.21	10.76	59.97	74.00	-14.03	Peak	
4	2483.5000	38.19	10.76	48.95	54.00	-5.05	AVG	

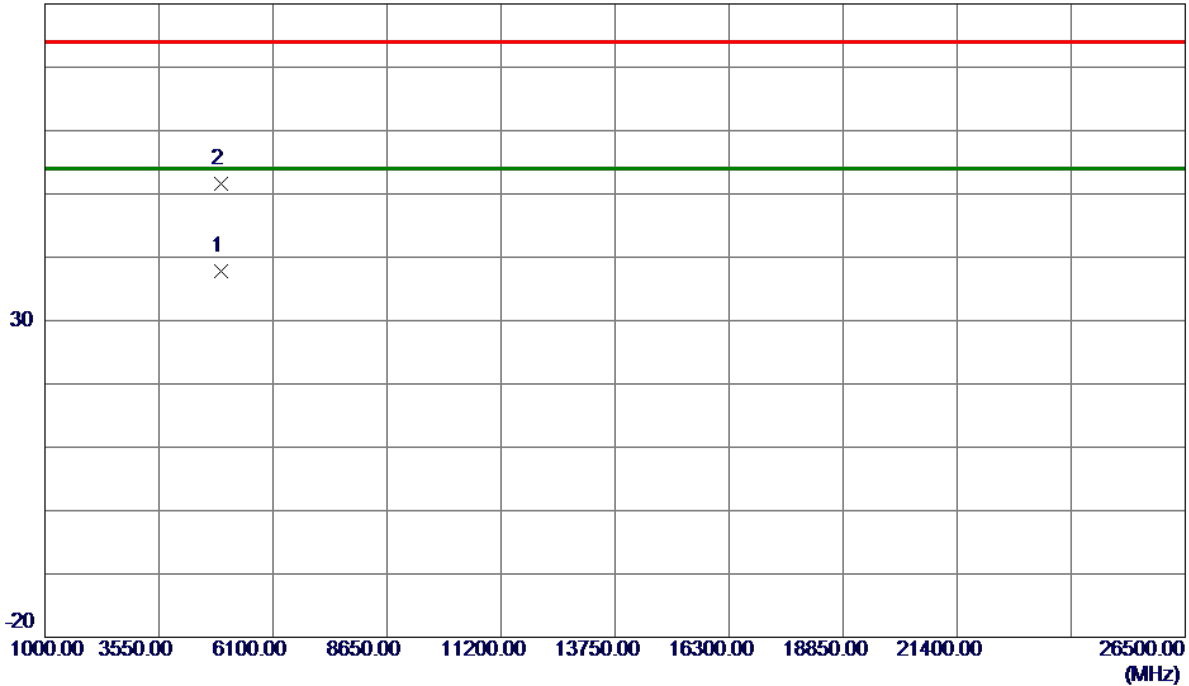
REMARKS:

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

Test Mode:	TX G Mode 2462 MHz
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Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4926.4750	31.09	6.78	37.87	54.00	-16.13	AVG	
2	4929.7000	44.84	6.79	51.63	74.00	-22.37	Peak	

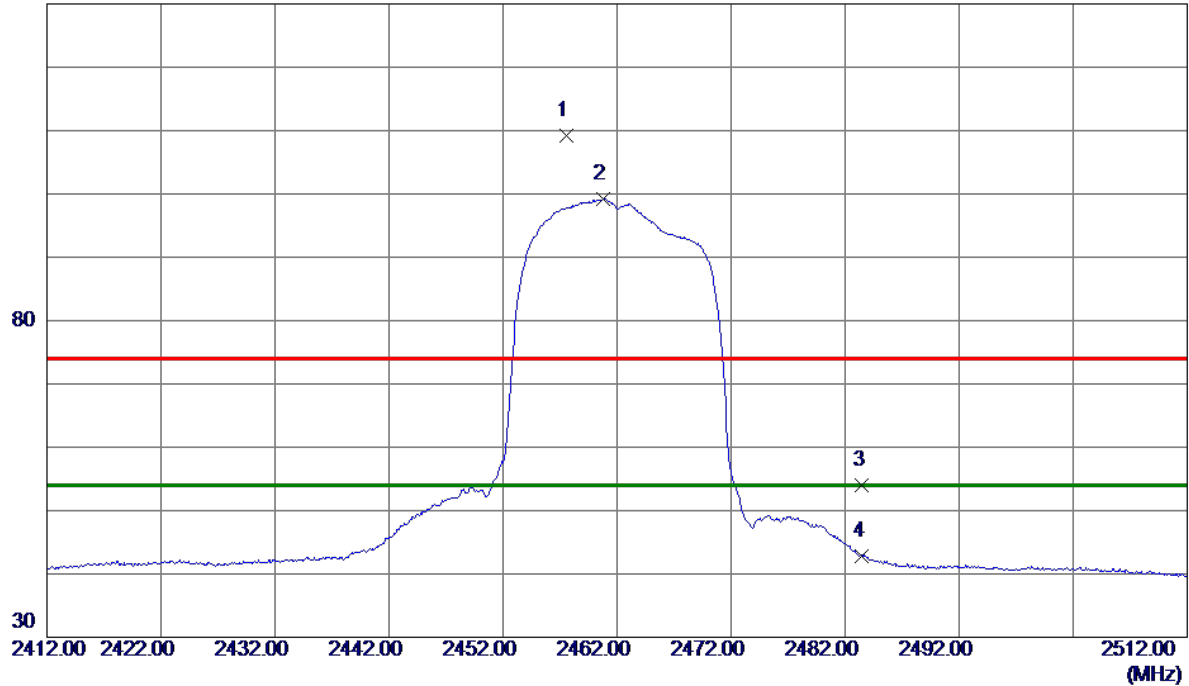
REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2457.6000	98.50	10.69	109.19	74.00	35.19	Peak	No Limit
2 *	2460.7500	88.54	10.70	99.24	54.00	45.24	AVG	No Limit
3	2483.5000	43.21	10.76	53.97	74.00	-20.03	Peak	
4	2483.5000	32.12	10.76	42.88	54.00	-11.12	AVG	

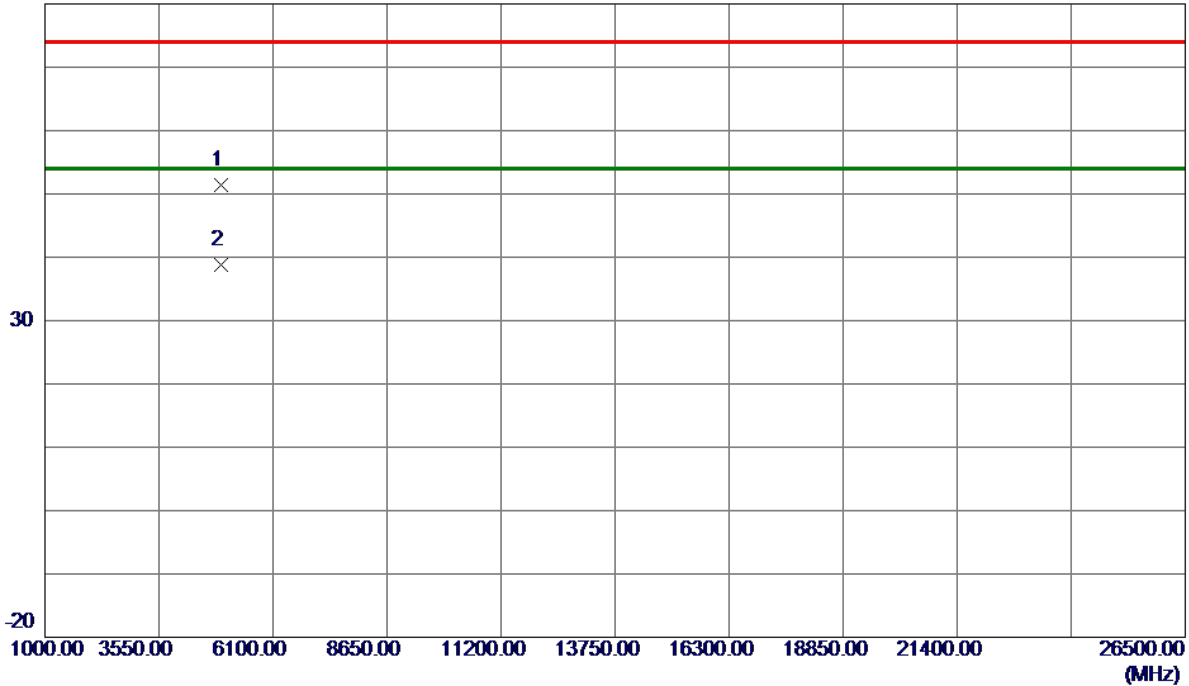
REMARKS:

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

Test Mode:	TX G Mode 2462 MHz
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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	4926.2750	44.63	6.78	51.41	74.00	-22.59	Peak	
2 *	4927.2750	31.93	6.78	38.71	54.00	-15.29	AVG	

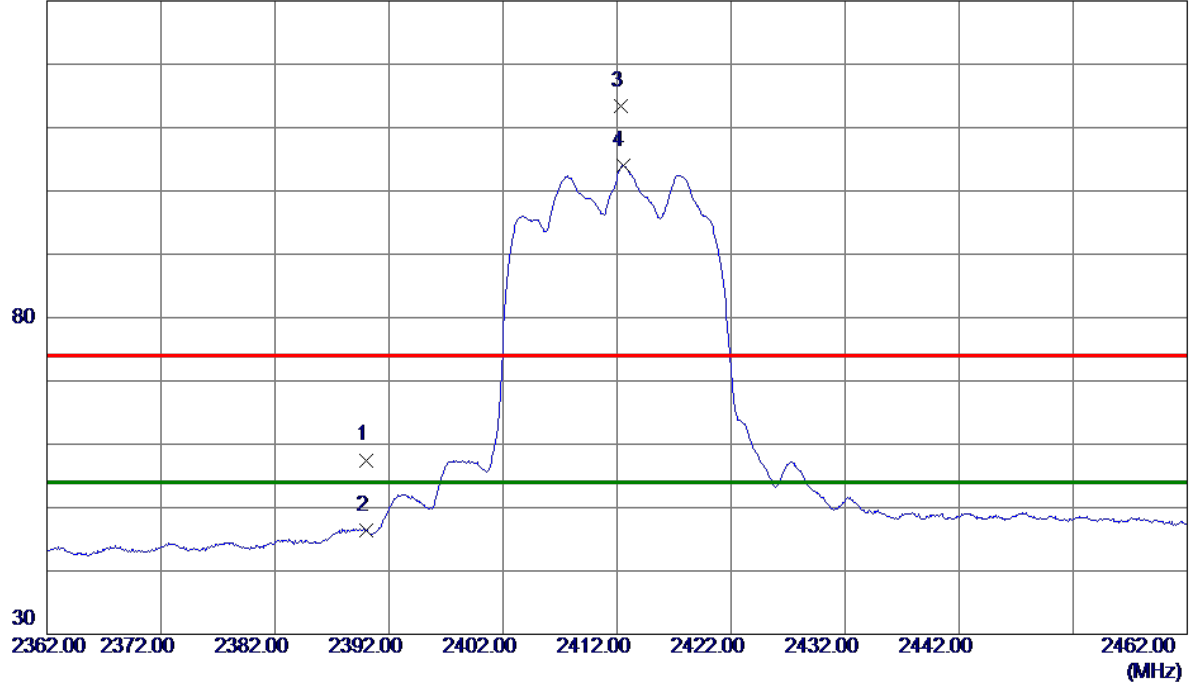
REMARKS:

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

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

130 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	47.00	10.50	57.50	74.00	-16.50	Peak	
2	2390.0000	35.94	10.50	46.44	54.00	-7.56	AVG	
3	2412.3500	102.75	10.56	113.31	74.00	39.31	Peak	No Limit
4 *	2412.5000	93.43	10.56	103.99	54.00	49.99	AVG	No Limit

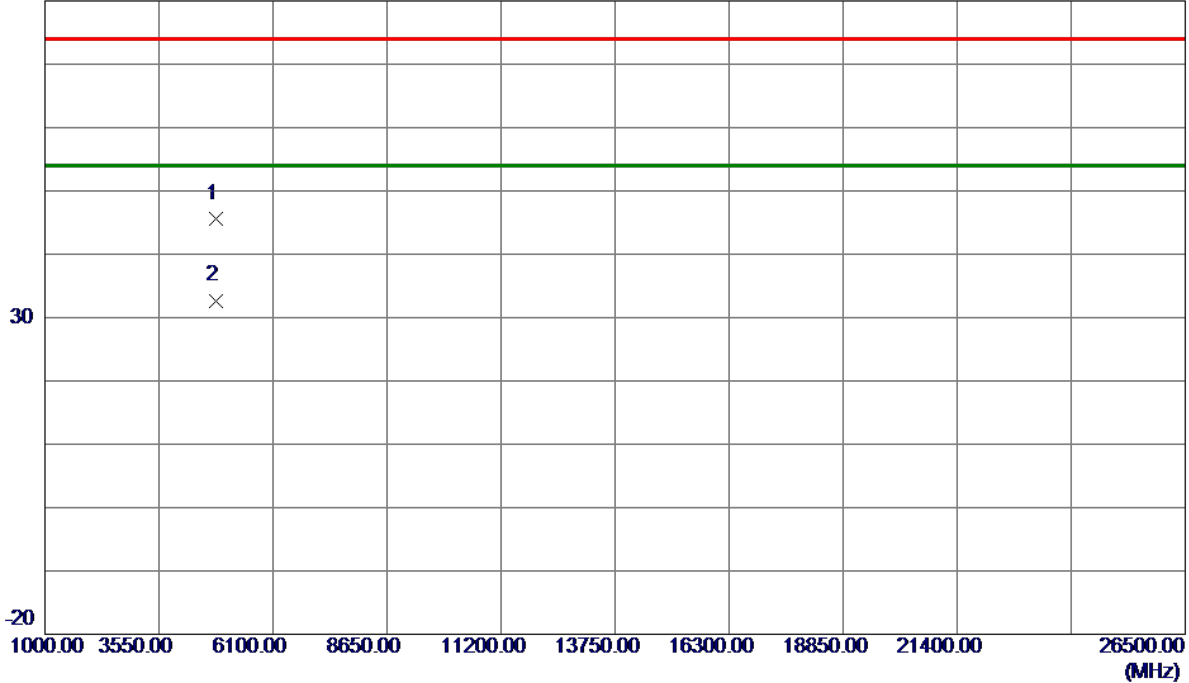
REMARKS:

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.9000	38.98	6.53	45.51	74.00	-28.49	Peak	
2 *	4829.7000	26.16	6.54	32.70	54.00	-21.30	AVG	

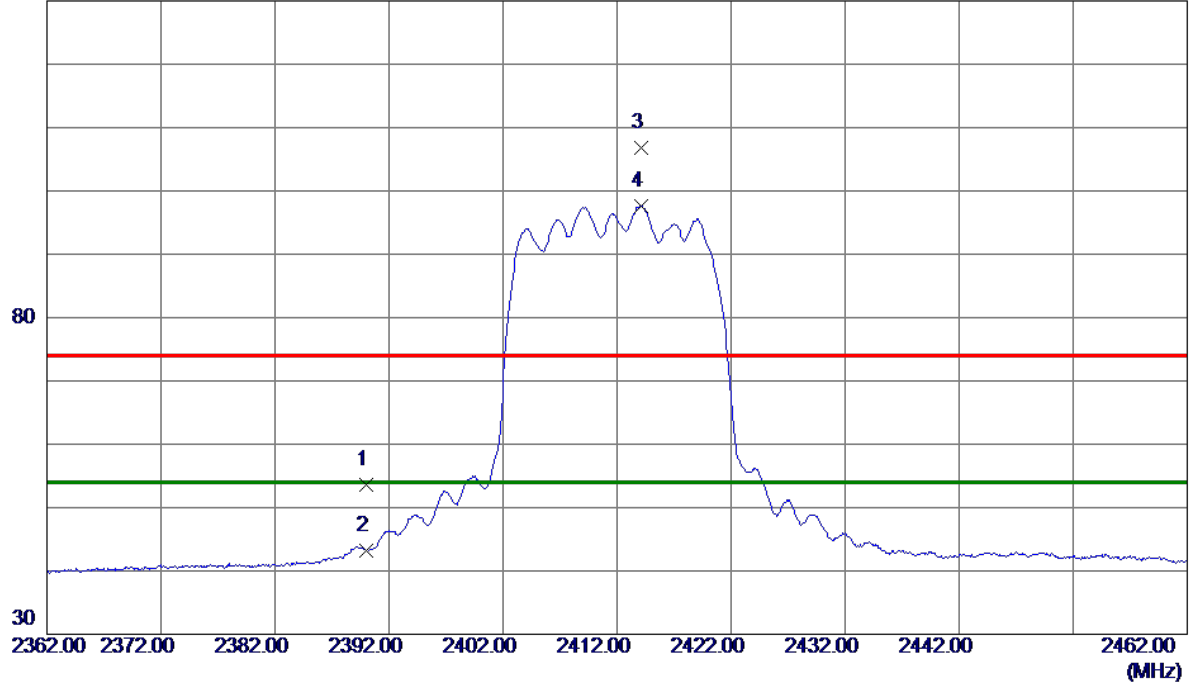
REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Horizontal

130 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	43.19	10.50	53.69	74.00	-20.31	Peak	
2	2390.0000	32.76	10.50	43.26	54.00	-10.74	AVG	
3	2414.1500	96.24	10.56	106.80	74.00	32.80	Peak	No Limit
4 *	2414.1500	87.03	10.56	97.59	54.00	43.59	AVG	No Limit

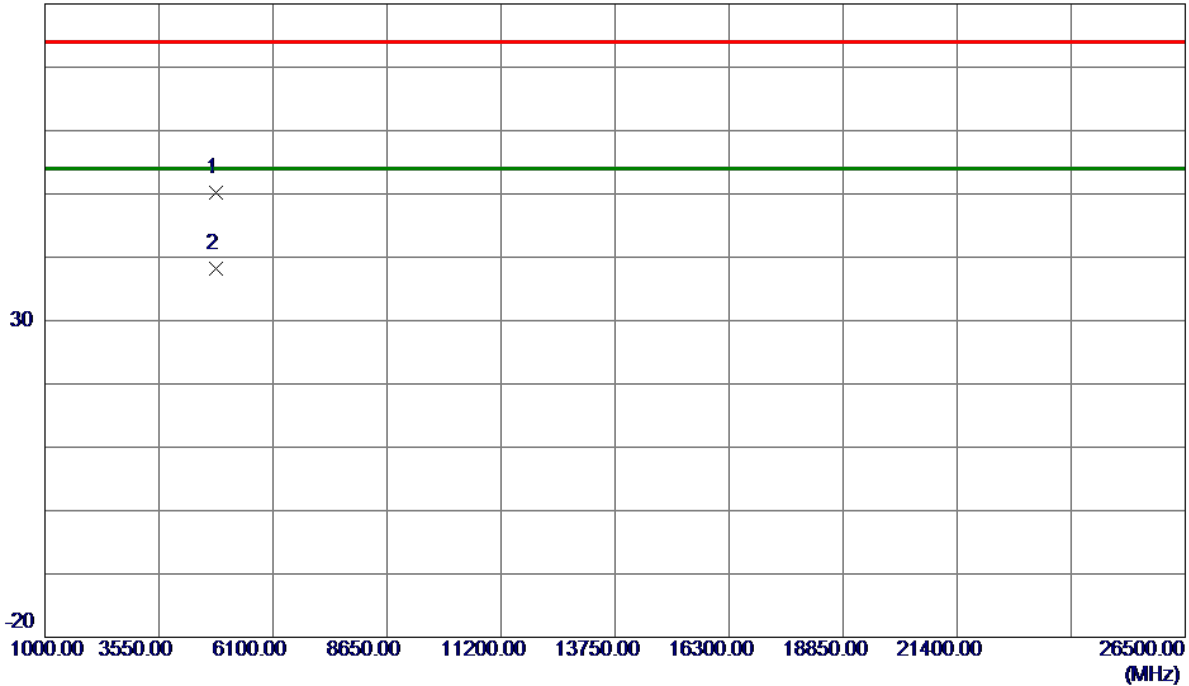
REMARKS:

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

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

80 dBuV/m



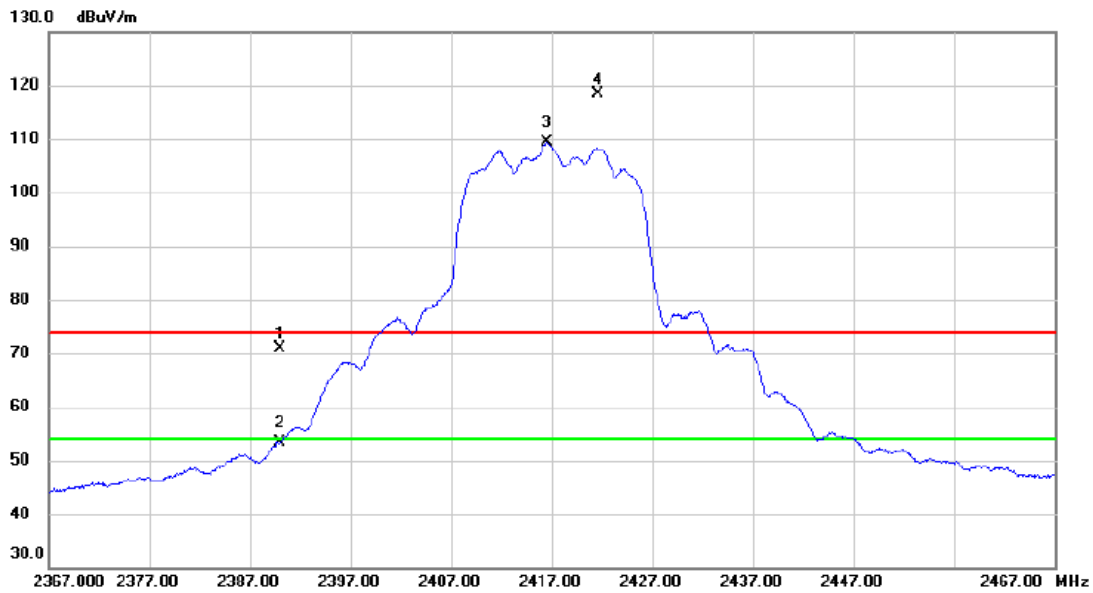
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4827.0250	43.67	6.53	50.20	74.00	-23.80	Peak	
2 *	4827.0500	31.63	6.53	38.16	54.00	-15.84	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2417 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	60.49	10.50	70.99	74.00	-3.01	peak	
2		2390.000	42.88	10.50	53.38	54.00	-0.62	AVG	
3	*	2416.500	98.72	10.57	109.29	54.00	55.29	AVG	No Limit
4	X	2421.650	107.71	10.59	118.30	74.00	44.30	peak	No Limit

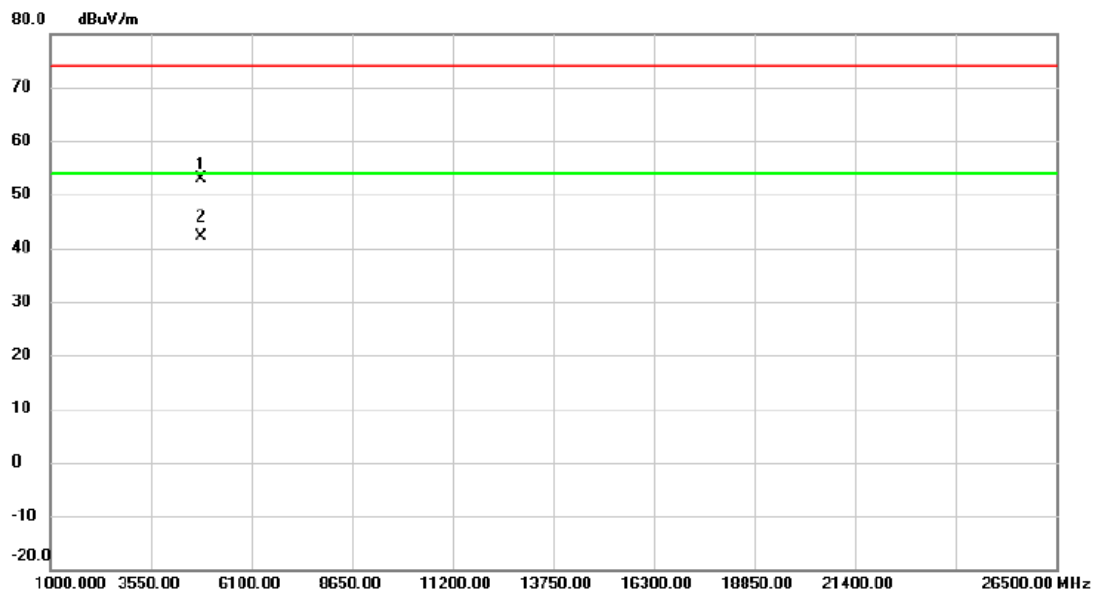
REMARKS:

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

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

Test Mode: TX N-20M Mode 2417 MHz

Vertical



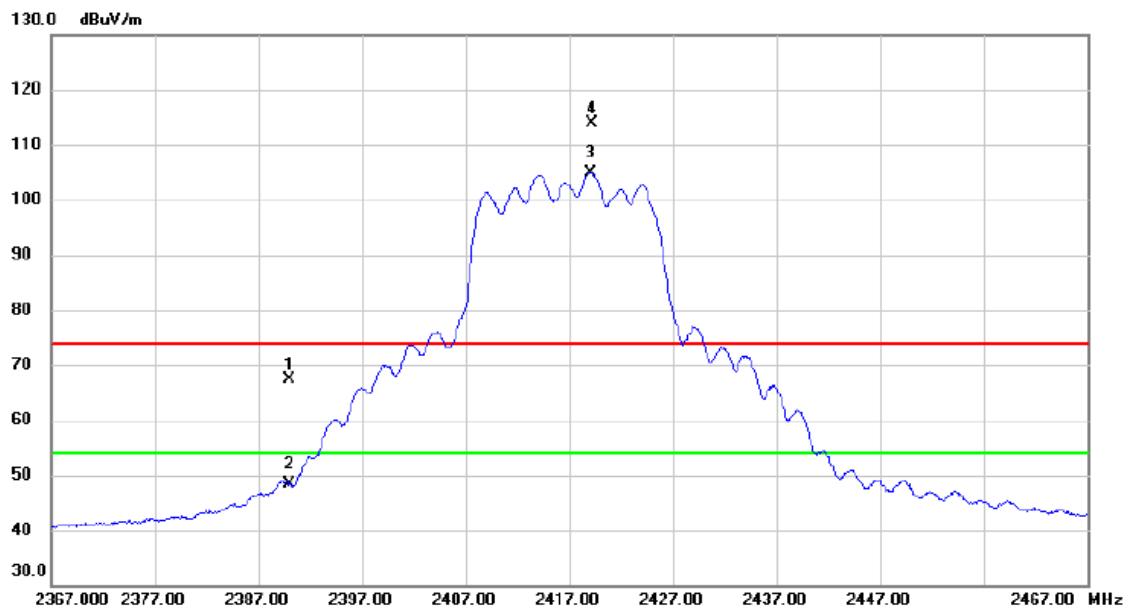
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4831.950	46.33	6.54	52.87	74.00	-21.13	peak	
2	*	4839.575	35.67	6.56	42.23	54.00	-11.77	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2417 MHz

Horizontal



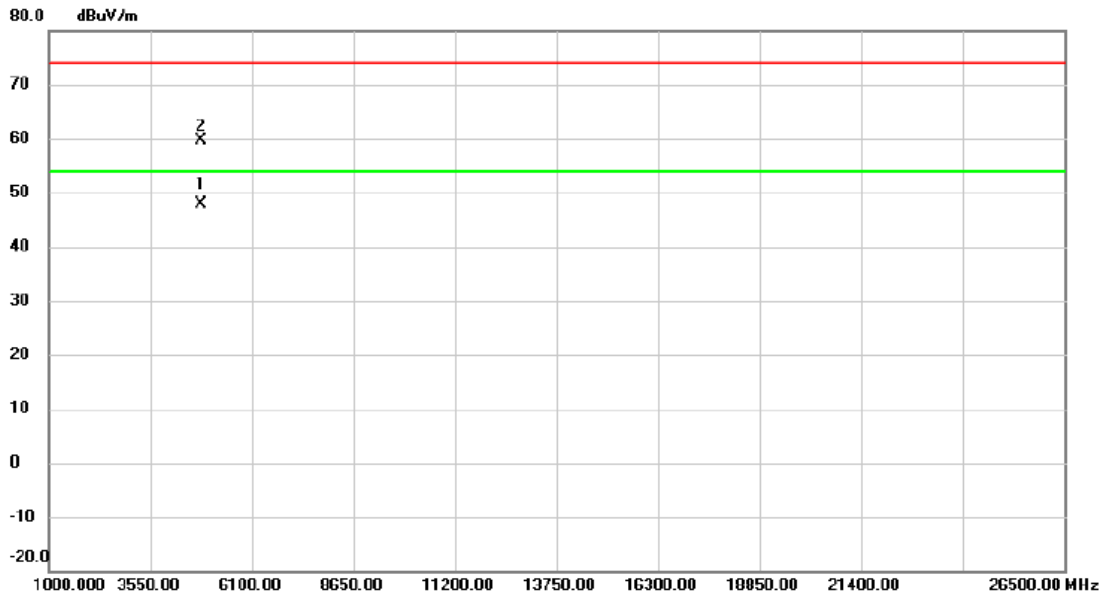
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	56.95	10.50	67.45	74.00	-6.55	peak	
2		2390.000	37.79	10.50	48.29	54.00	-5.71	AVG	
3 *		2419.000	94.41	10.58	104.99	54.00	50.99	AVG	No Limit
4 X		2419.250	103.22	10.58	113.80	74.00	39.80	peak	No Limit

REMARKS:

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

Test Mode: TX N-20M Mode 2417 MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4837.075	41.21	6.56	47.77	54.00	-6.23	AVG	
2		4837.325	53.03	6.56	59.59	74.00	-14.41	peak	

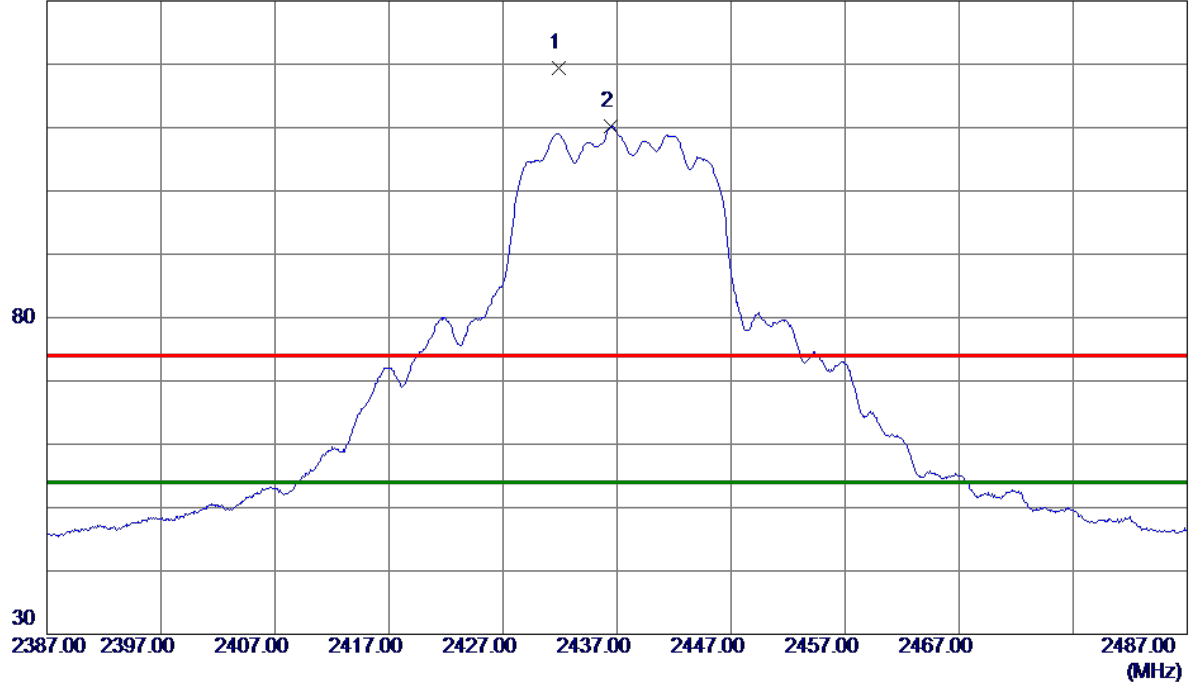
REMARKS:

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

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

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2431.8500	108.87	10.62	119.49	74.00	45.49	Peak	No Limit
2 *	2436.4500	99.64	10.63	110.27	54.00	56.27	AVG	No Limit

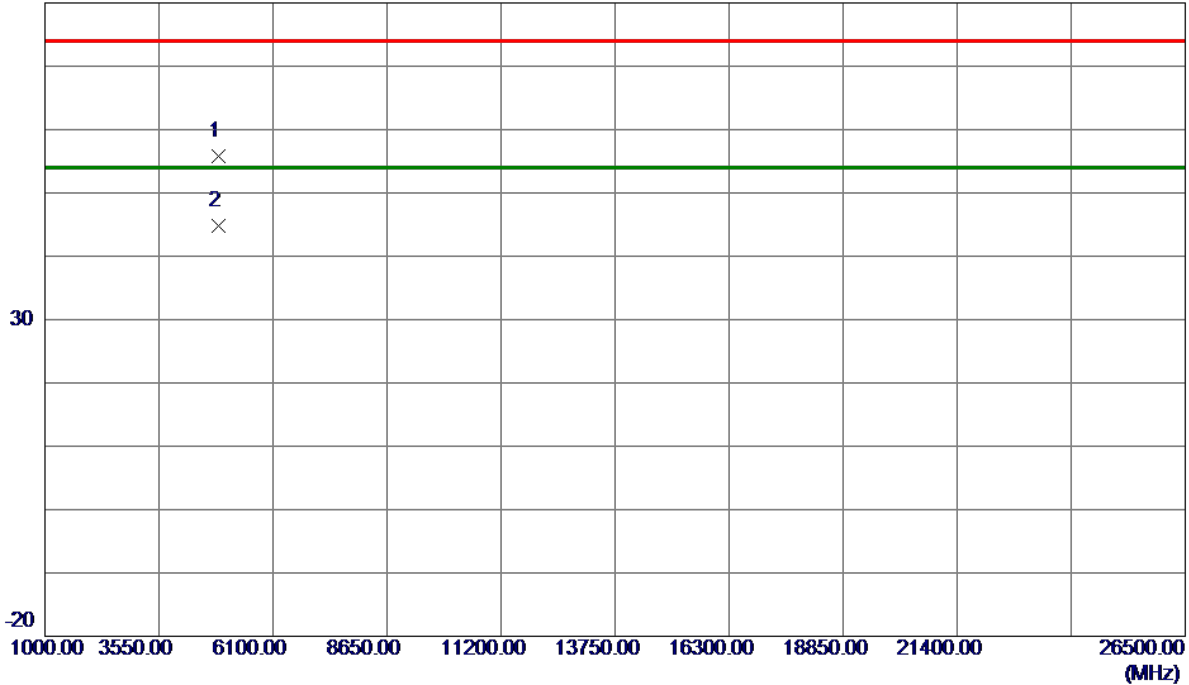
REMARKS:

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4876.6000	49.17	6.66	55.83	74.00	-18.17	Peak	
2 *	4877.0750	38.16	6.66	44.82	54.00	-9.18	AVG	

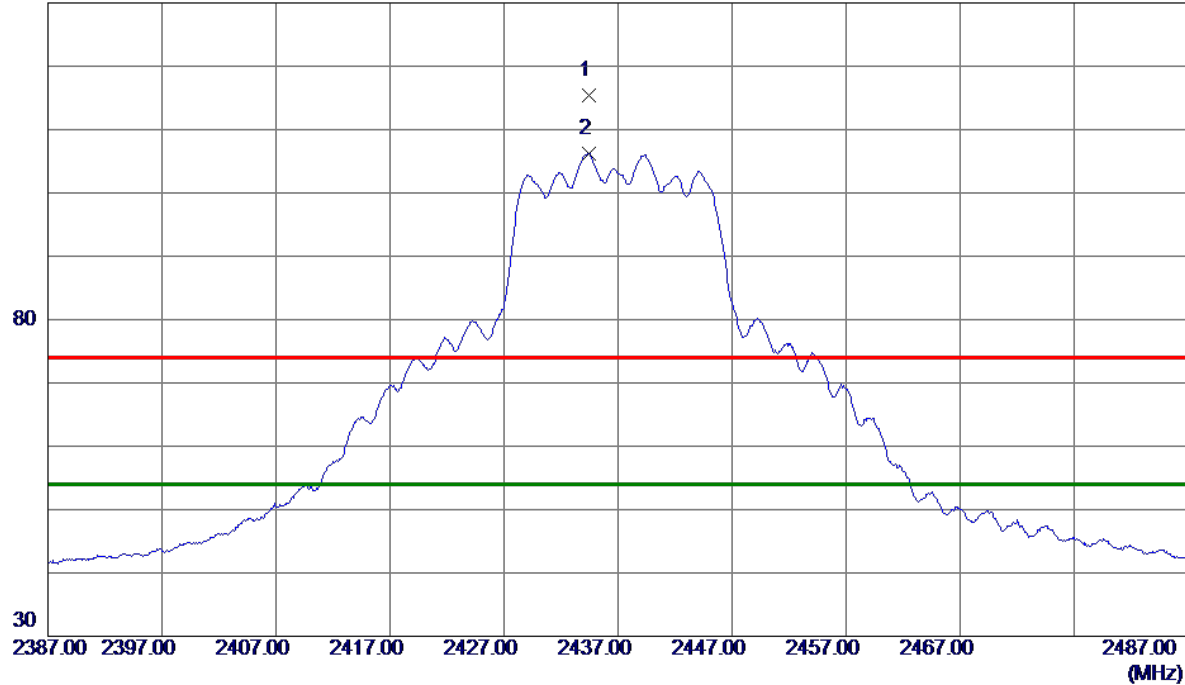
REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2434.4000	104.72	10.62	115.34	74.00	41.34	Peak	No Limit
2 *	2434.4500	95.63	10.62	106.25	54.00	52.25	AVG	No Limit

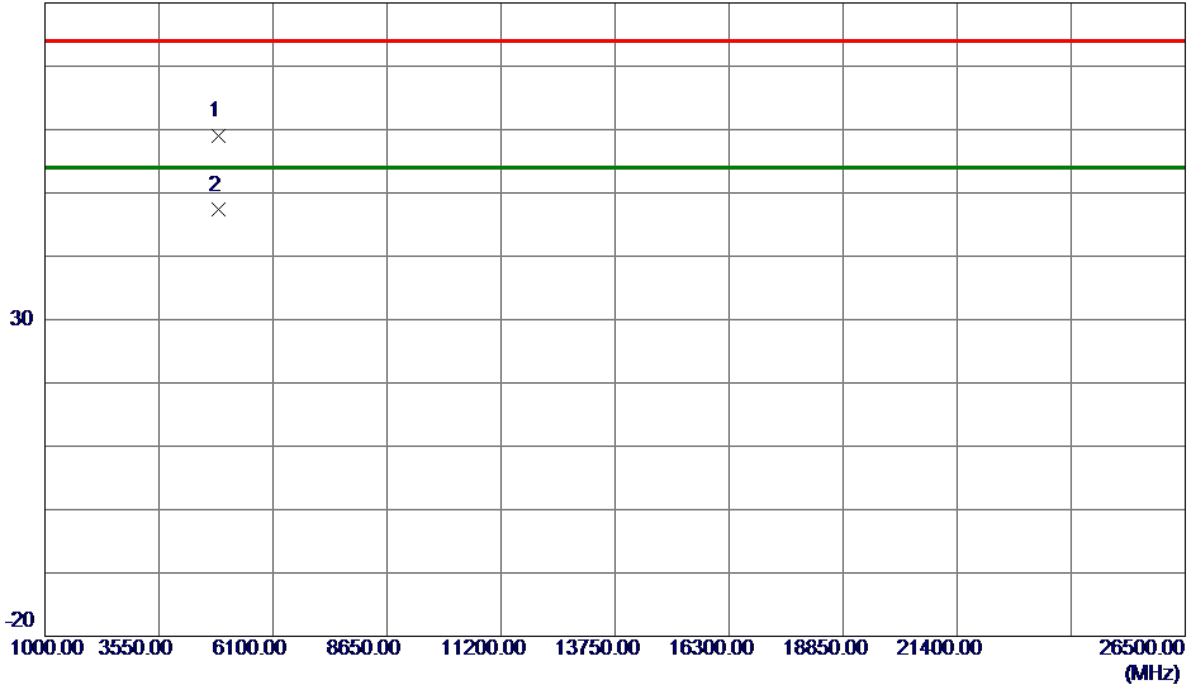
REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Horizontal

80 dBuV/m



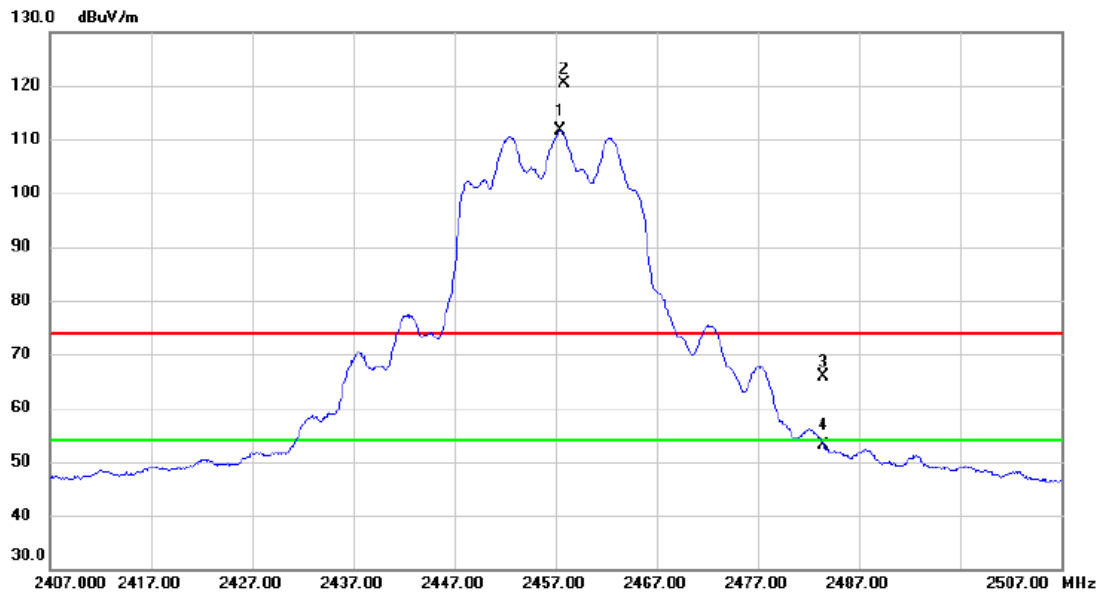
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4876.8250	52.35	6.66	59.01	74.00	-14.99	Peak	
2 *	4877.2750	40.64	6.66	47.30	54.00	-6.70	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2457 MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2457.500	101.06	10.69	111.75	54.00	57.75	AVG	No Limit
2	X	2457.850	109.80	10.69	120.49	74.00	46.49	peak	No Limit
3		2483.500	55.17	10.76	65.93	74.00	-8.07	peak	
4		2483.500	42.26	10.76	53.02	54.00	-0.98	AVG	

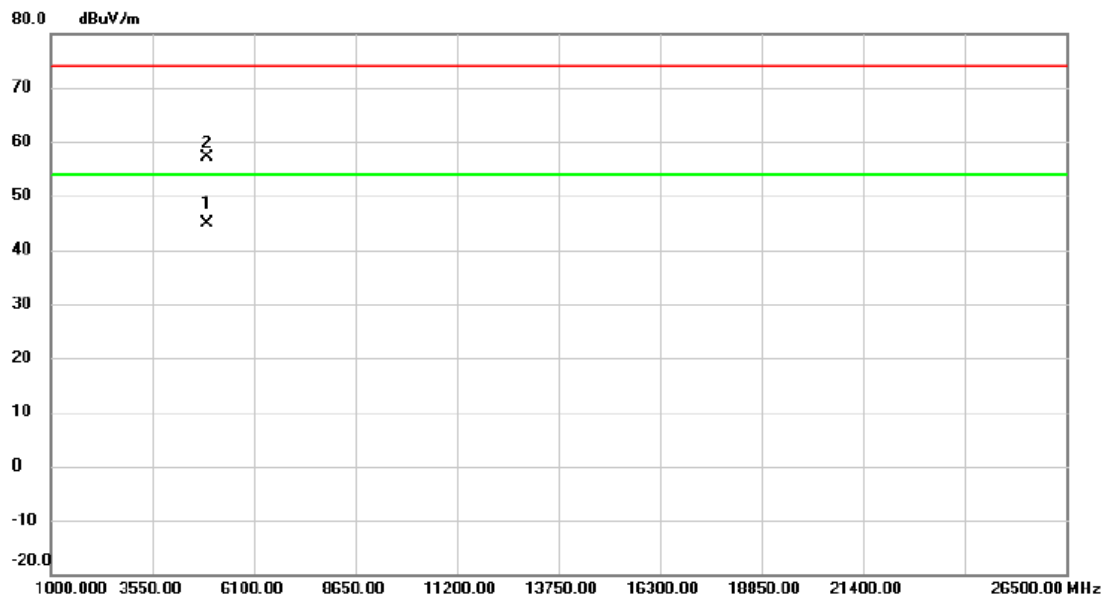
REMARKS:

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

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

Test Mode: TX N-20M Mode 2457 MHz

Vertical



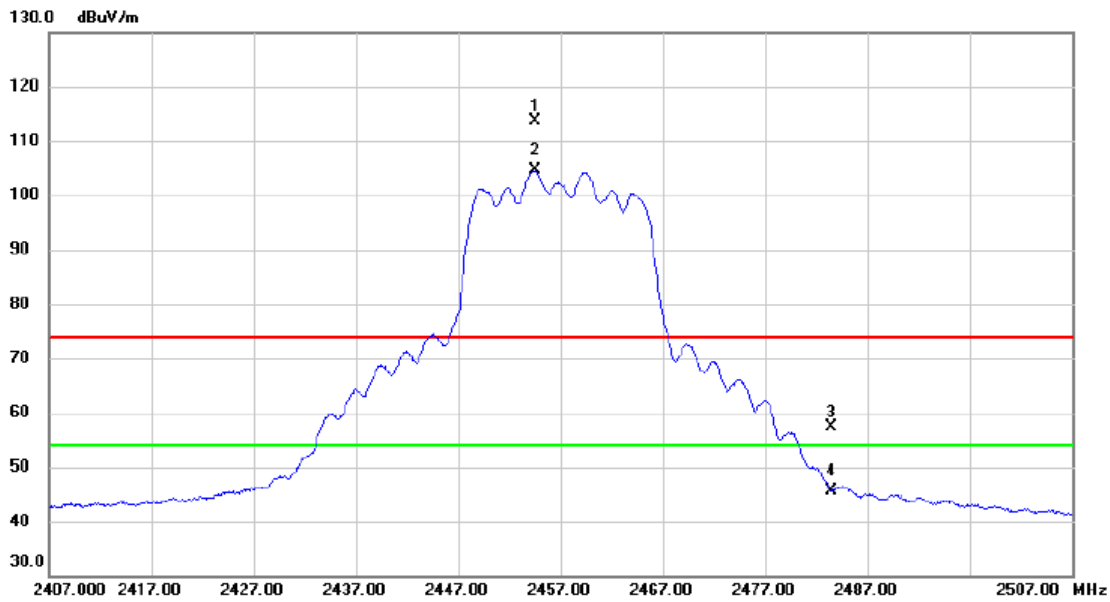
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4912.025	38.20	6.75	44.95	54.00	-9.05	AVG	
2		4914.350	50.34	6.75	57.09	74.00	-16.91	peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2457 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	2454.500	103.00	10.68	113.68	74.00	39.68	peak	No Limit
2	*	2454.600	93.83	10.68	104.51	54.00	50.51	AVG	No Limit
3		2483.500	46.59	10.76	57.35	74.00	-16.65	peak	
4		2483.500	34.97	10.76	45.73	54.00	-8.27	AVG	

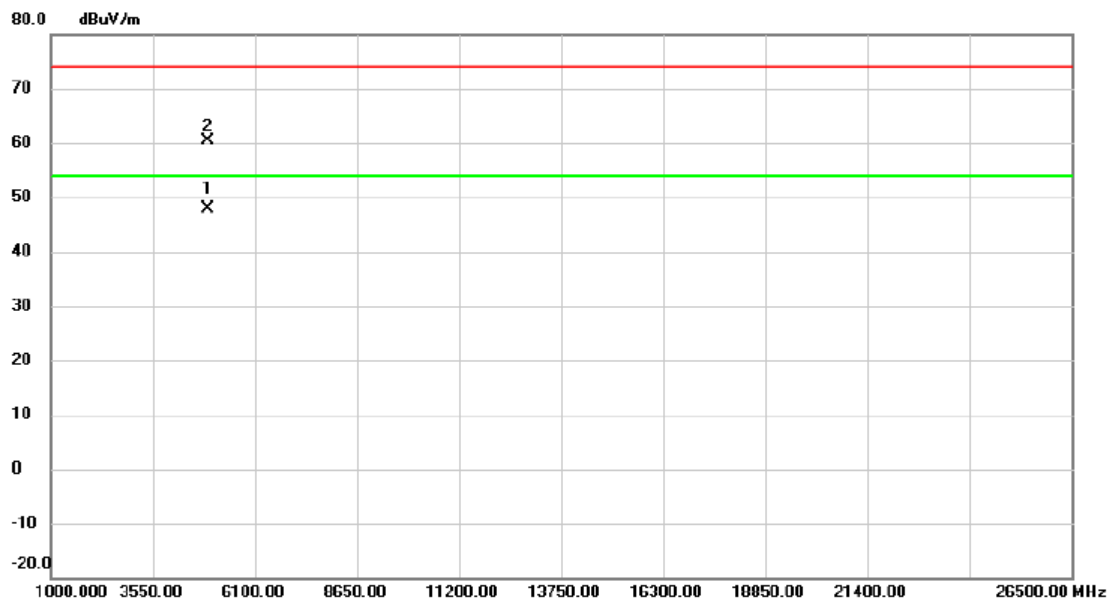
REMARKS:

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

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

Test Mode: TX N-20M Mode 2457 MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4912.150	41.18	6.75	47.93	54.00	-6.07	AVG	
2		4912.200	53.63	6.75	60.38	74.00	-13.62	peak	

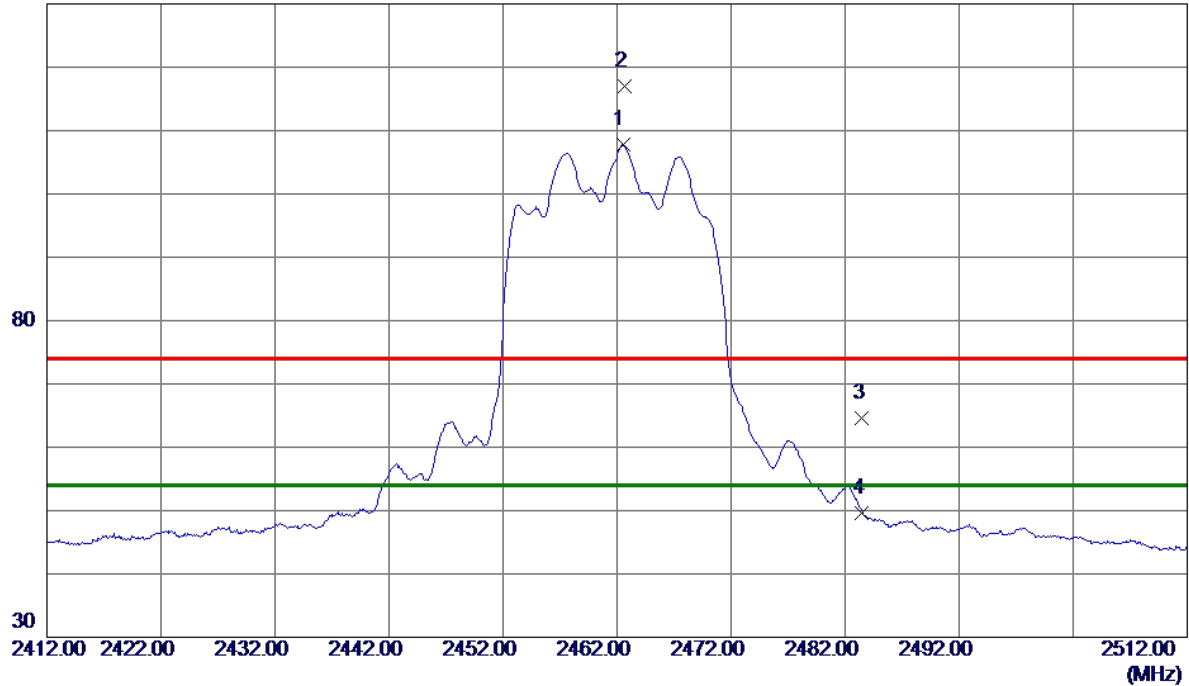
REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2462.5000	97.02	10.70	107.72	54.00	53.72	AVG	No Limit
2	2462.6500	106.20	10.70	116.90	74.00	42.90	Peak	No Limit
3	2483.5000	53.86	10.76	64.62	74.00	-9.38	Peak	
4	2483.5000	38.91	10.76	49.67	54.00	-4.33	AVG	

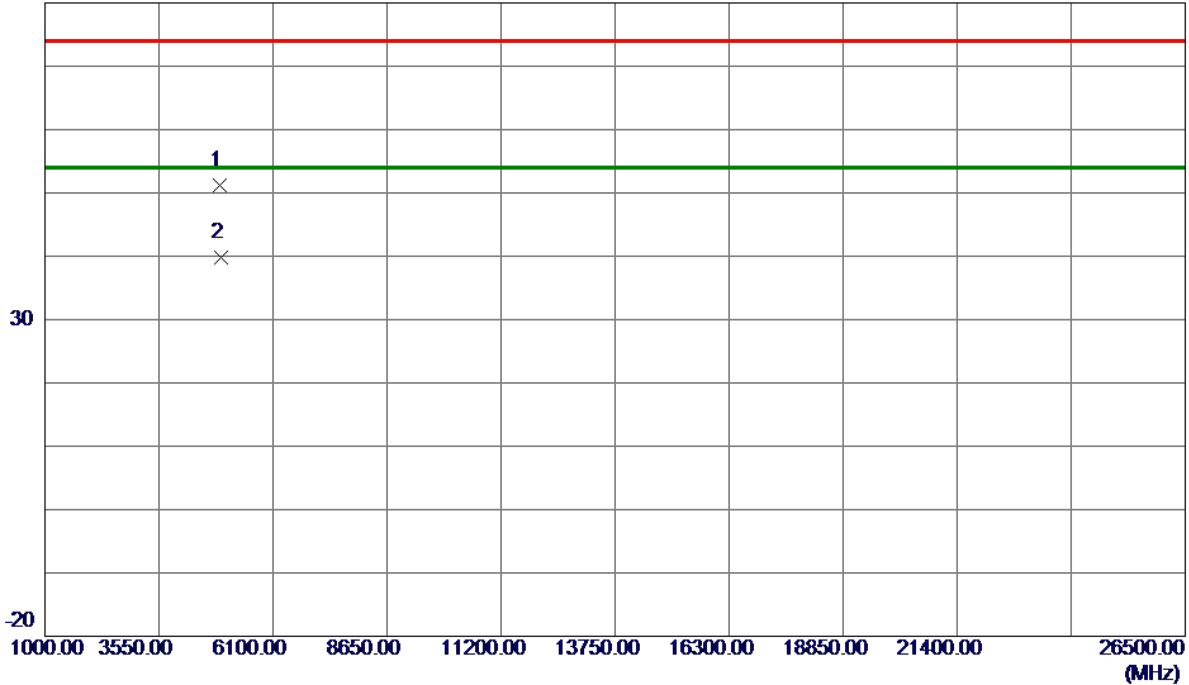
REMARKS:

- (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	4921.7500	44.44	6.77	51.21	74.00	-22.79	Peak	
2 *	4924.6750	32.99	6.77	39.76	54.00	-14.24	AVG	

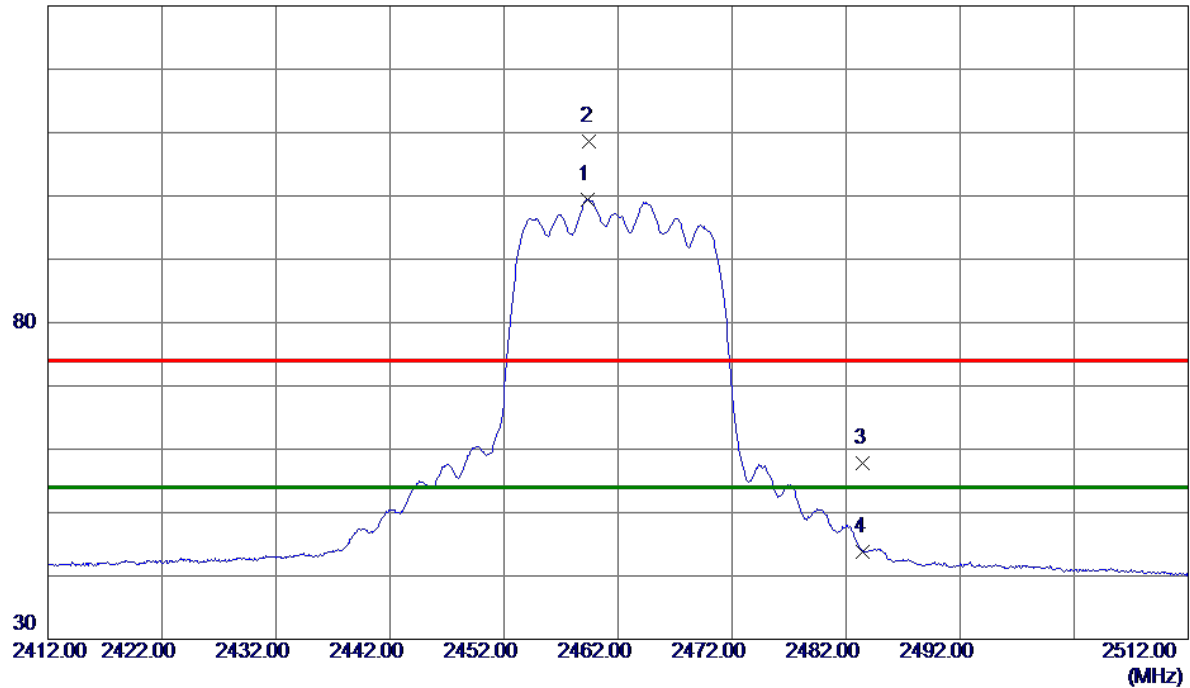
REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2459.3500	88.76	10.69	99.45	54.00	45.45	AVG	No Limit
2	2459.5000	98.00	10.69	108.69	74.00	34.69	Peak	No Limit
3	2483.5000	47.09	10.76	57.85	74.00	-16.15	Peak	
4	2483.5000	33.01	10.76	43.77	54.00	-10.23	AVG	

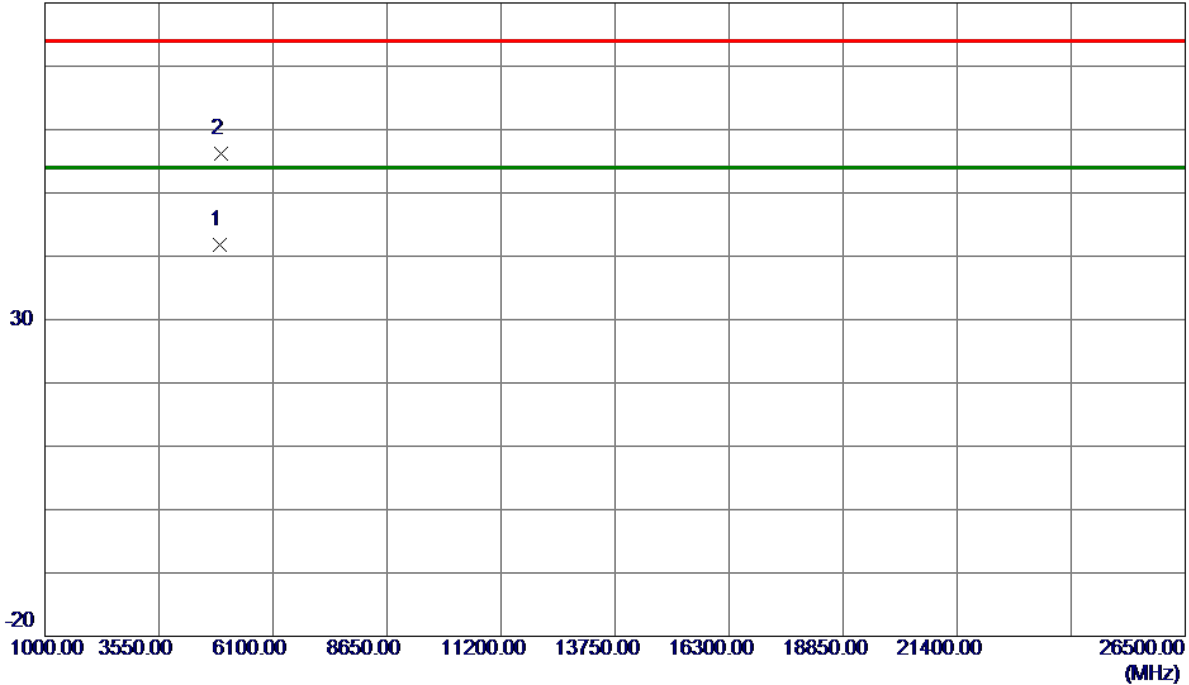
REMARKS:

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4922.0750	34.94	6.77	41.71	54.00	-12.29	AVG	
2	4924.8500	49.50	6.77	56.27	74.00	-17.73	Peak	

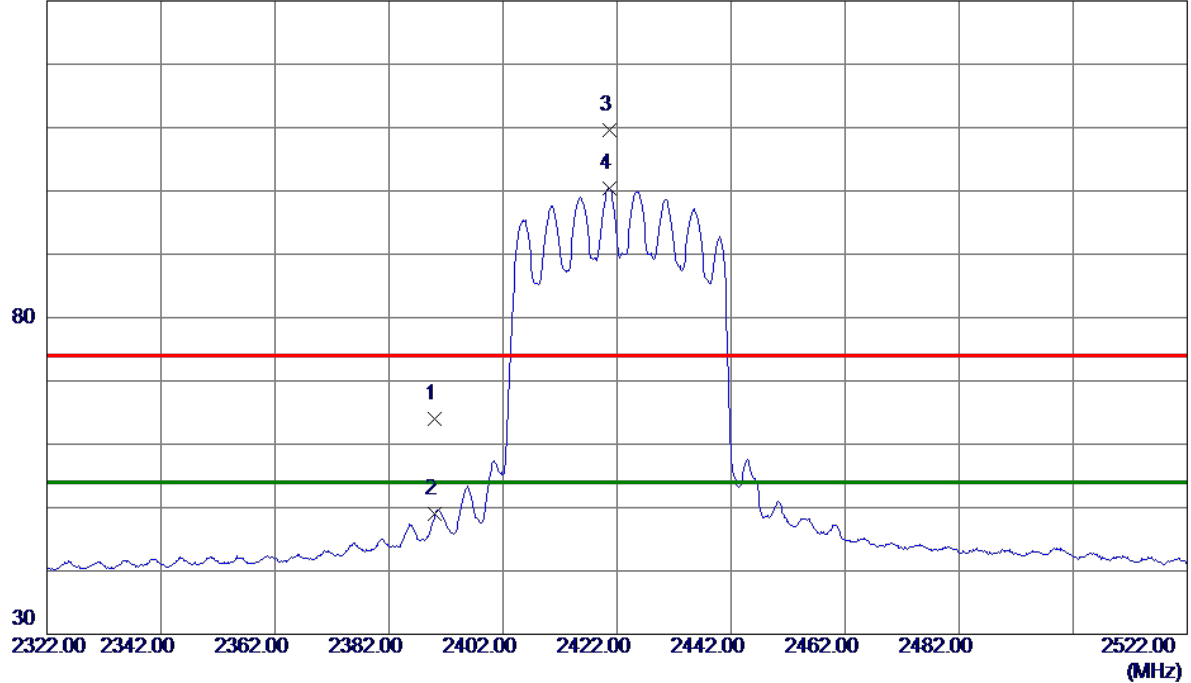
REMARKS:

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

Test Mode: TX N-40M Mode 2422 MHz

Vertical

130 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	53.42	10.50	63.92	74.00	-10.08	Peak	
2	2390.0000	38.49	10.50	48.99	54.00	-5.01	AVG	
3	2420.6000	99.11	10.58	109.69	74.00	35.69	Peak	No Limit
4 *	2420.6000	89.73	10.58	100.31	54.00	46.31	AVG	No Limit

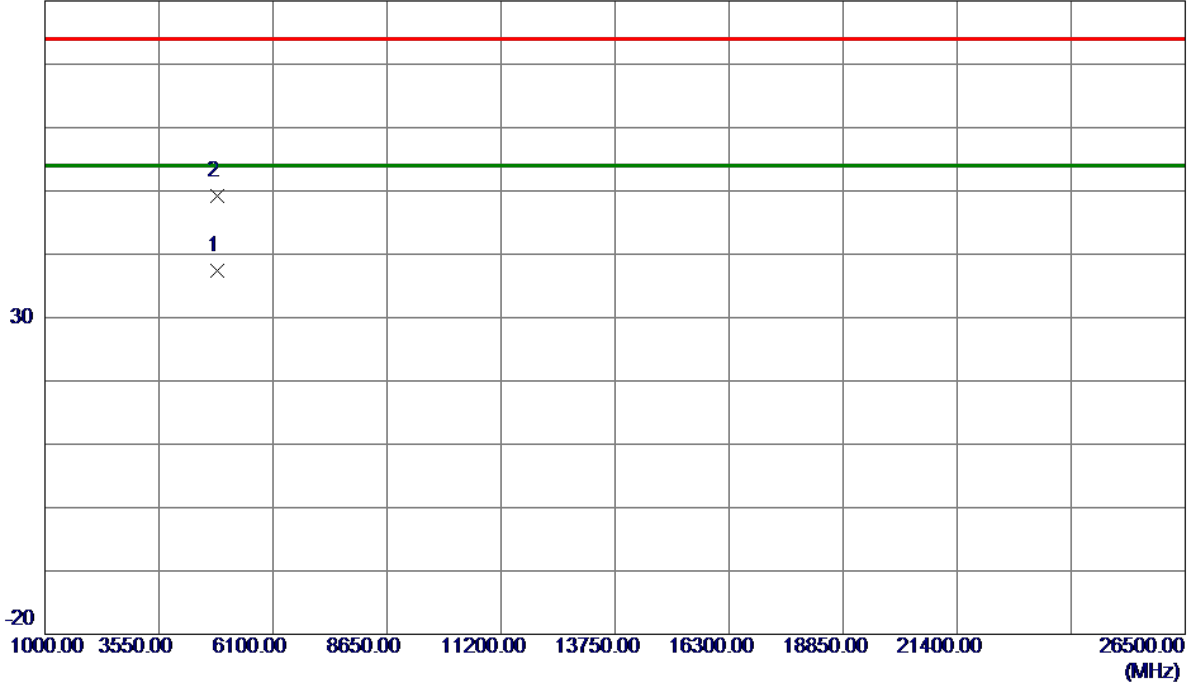
REMARKS:

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4844.5750	30.74	6.58	37.32	54.00	-16.68	AVG	
2	4851.9750	42.52	6.59	49.11	74.00	-24.89	Peak	

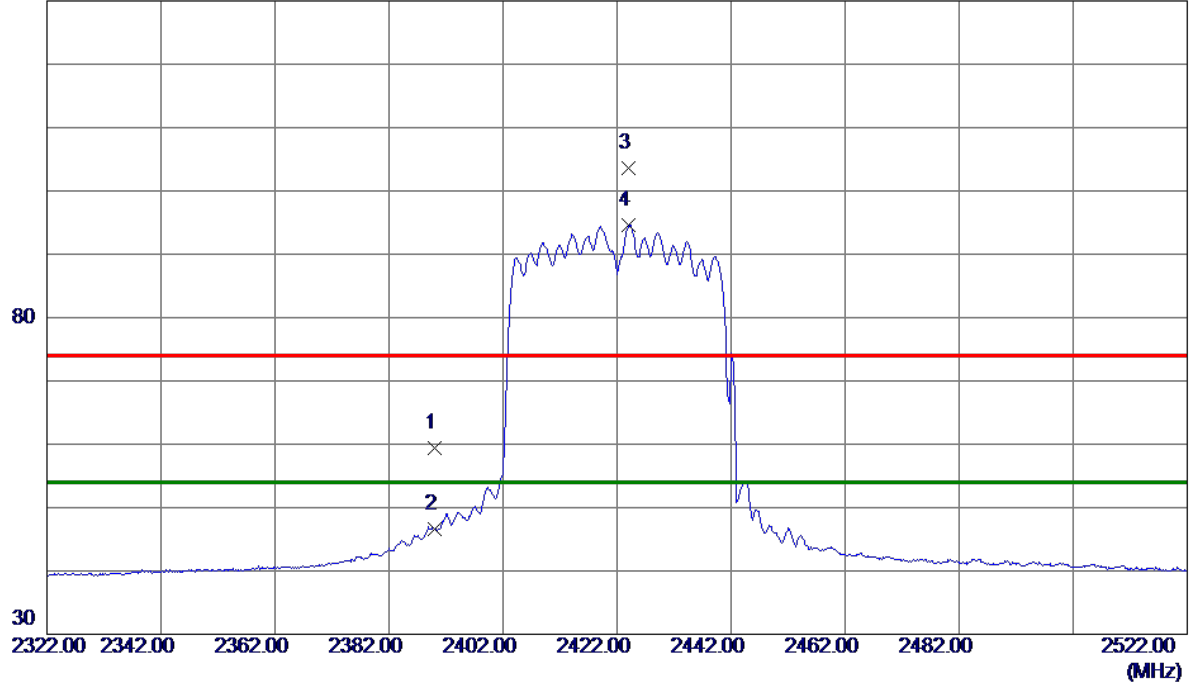
REMARKS:

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

Test Mode: TX N-40M Mode 2422 MHz

Horizontal

130 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	48.94	10.50	59.44	74.00	-14.56	Peak	
2	2390.0000	36.09	10.50	46.59	54.00	-7.41	AVG	
3	2424.1000	93.08	10.59	103.67	74.00	29.67	Peak	No Limit
4 *	2424.1000	84.03	10.59	94.62	54.00	40.62	AVG	No Limit

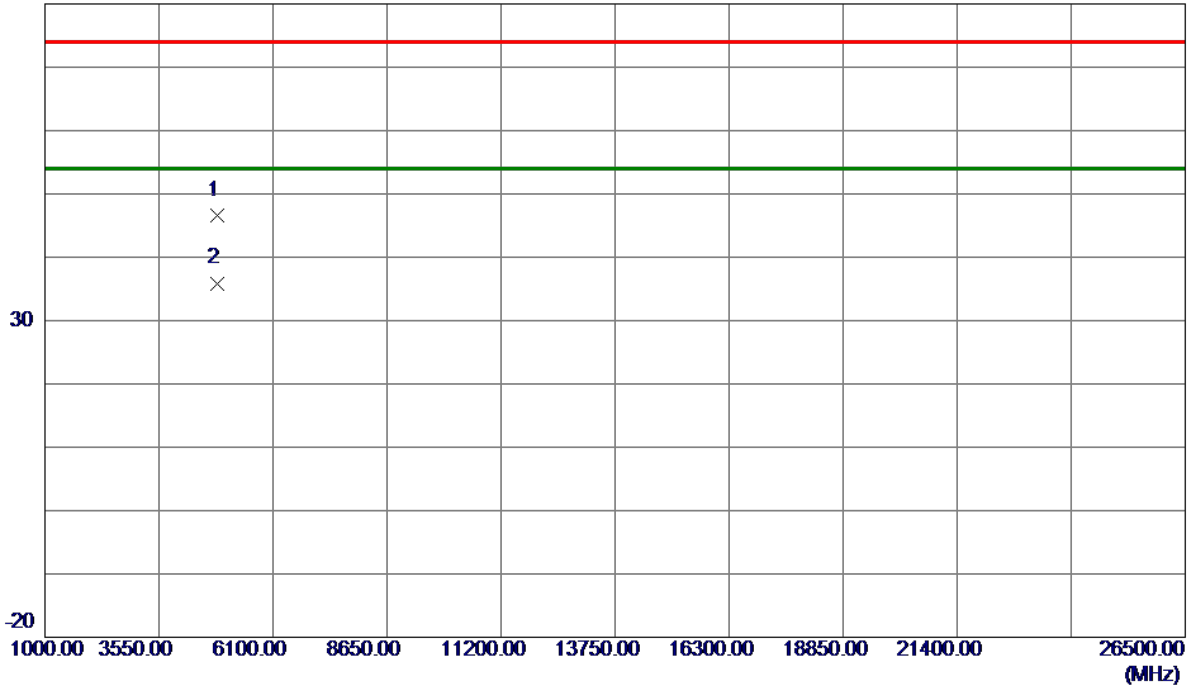
REMARKS:

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

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

80 dBuV/m



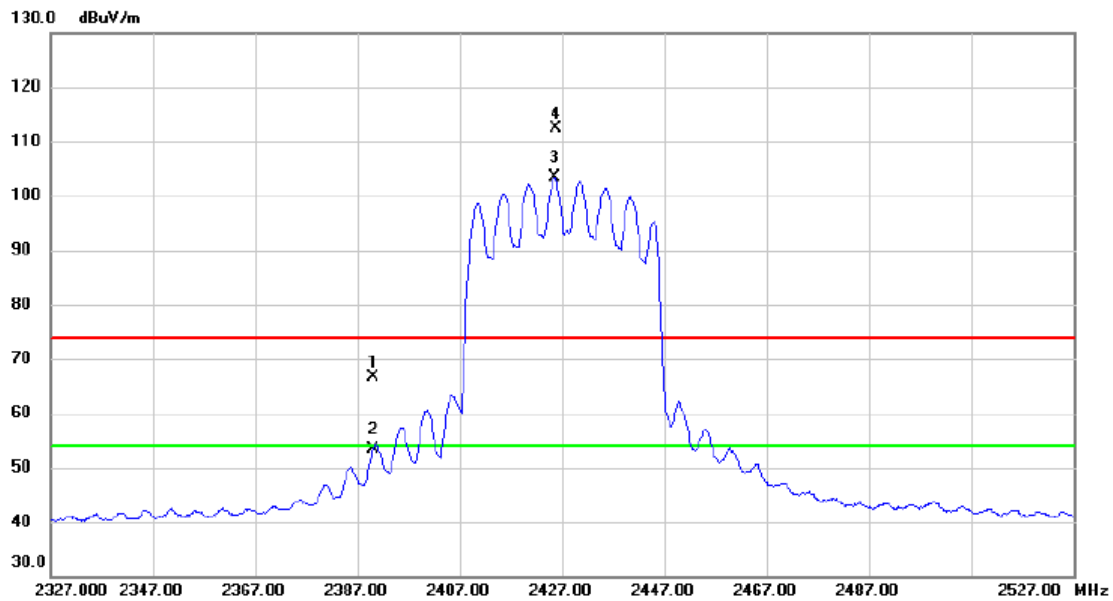
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4844.2250	40.09	6.58	46.67	74.00	-27.33	Peak	
2 *	4847.1250	29.32	6.58	35.90	54.00	-18.10	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2427 MHz

Vertical



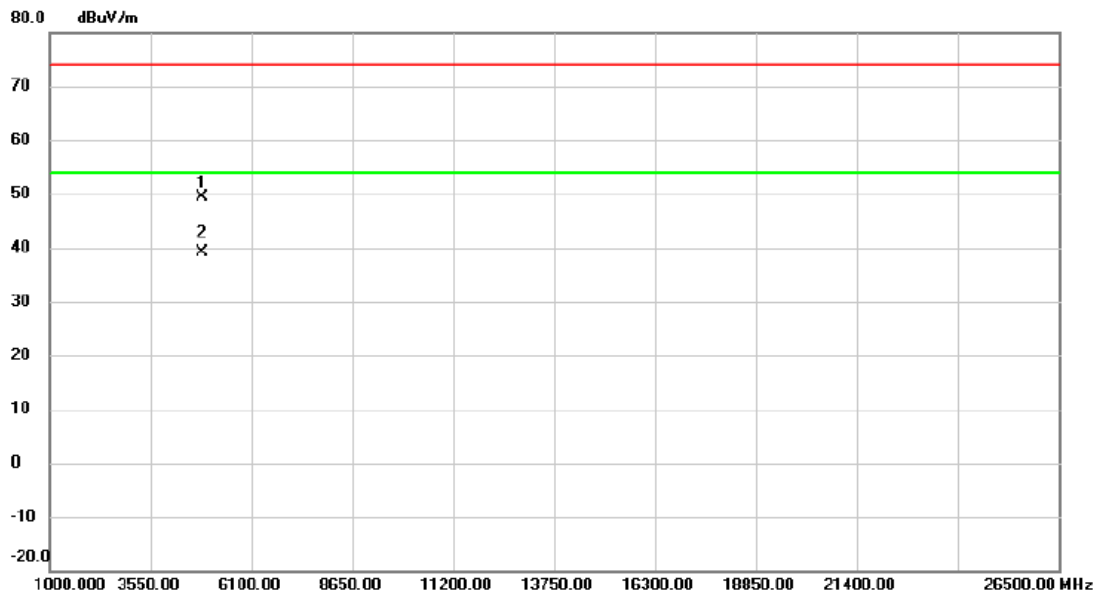
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	56.21	10.50	66.71	74.00	-7.29	peak	
2		2390.000	42.97	10.50	53.47	54.00	-0.53	AVG	
3	*	2425.500	92.77	10.60	103.37	54.00	49.37	AVG	No Limit
4	X	2425.900	101.86	10.60	112.46	74.00	38.46	peak	No Limit

REMARKS:

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

Test Mode: TX N-40M Mode 2427 MHz

Vertical



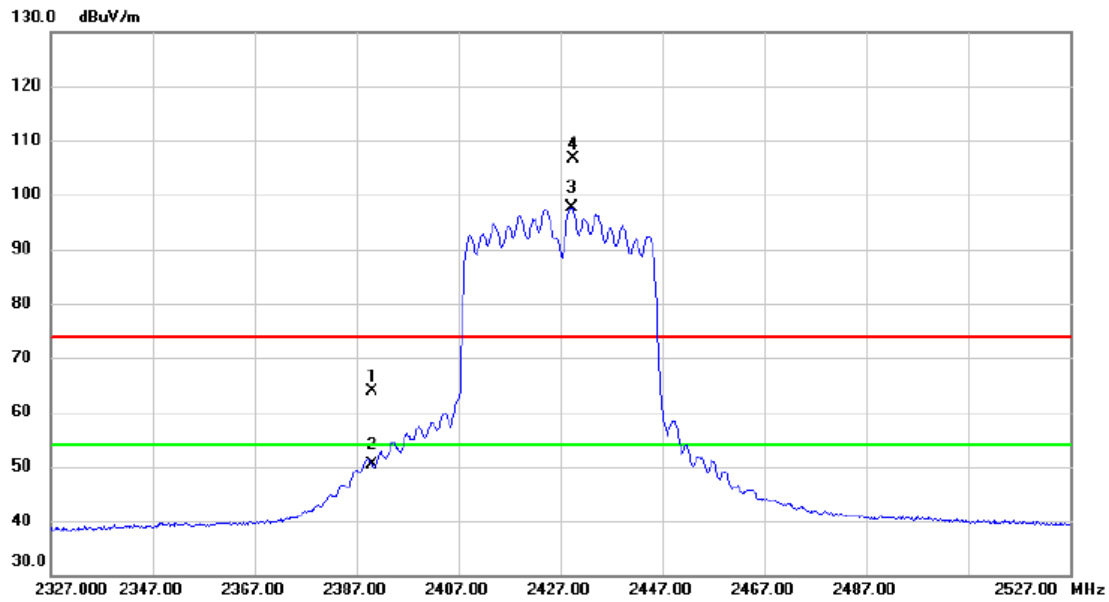
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4846.950	42.83	6.58	49.41	74.00	-24.59	peak	
2	*	4854.525	32.50	6.60	39.10	54.00	-14.90	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2427 MHz

Horizontal



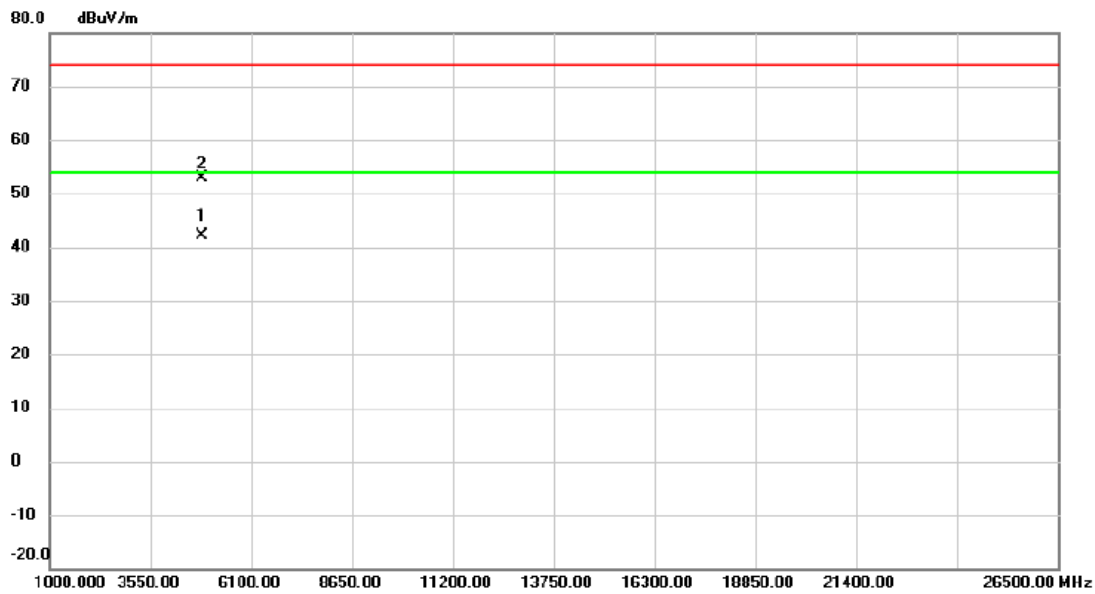
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	53.26	10.50	63.76	74.00	-10.24	peak	
2		2390.000	39.88	10.50	50.38	54.00	-3.62	AVG	
3	*	2429.200	87.11	10.61	97.72	54.00	43.72	AVG	No Limit
4	X	2429.500	96.11	10.61	106.72	74.00	32.72	peak	No Limit

REMARKS:

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

Test Mode:	TX N-40M Mode 2427 MHz
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Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4847.125	35.60	6.58	42.18	54.00	-11.82	AVG	
2		4852.075	46.28	6.59	52.87	74.00	-21.13	peak	

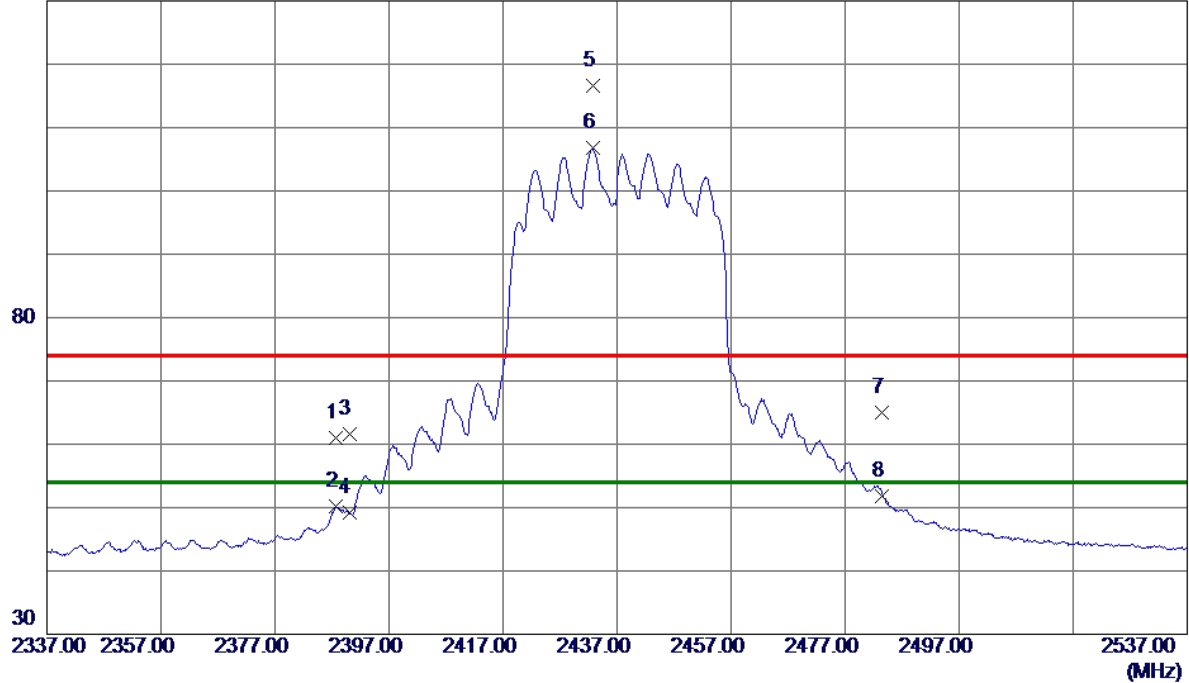
REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2387.7000	50.47	10.49	60.96	74.00	-13.04	Peak	
2	2387.7000	39.73	10.49	50.22	54.00	-3.78	AVG	
3	2390.0000	51.09	10.50	61.59	74.00	-12.41	Peak	
4	2390.0000	38.64	10.50	49.14	54.00	-4.86	AVG	
5	2432.7000	106.07	10.62	116.69	74.00	42.69	Peak	No Limit
6 *	2432.7000	96.18	10.62	106.80	54.00	52.80	AVG	No Limit
7	2483.5000	54.24	10.76	65.00	74.00	-9.00	Peak	
8	2483.5000	41.01	10.76	51.77	54.00	-2.23	AVG	

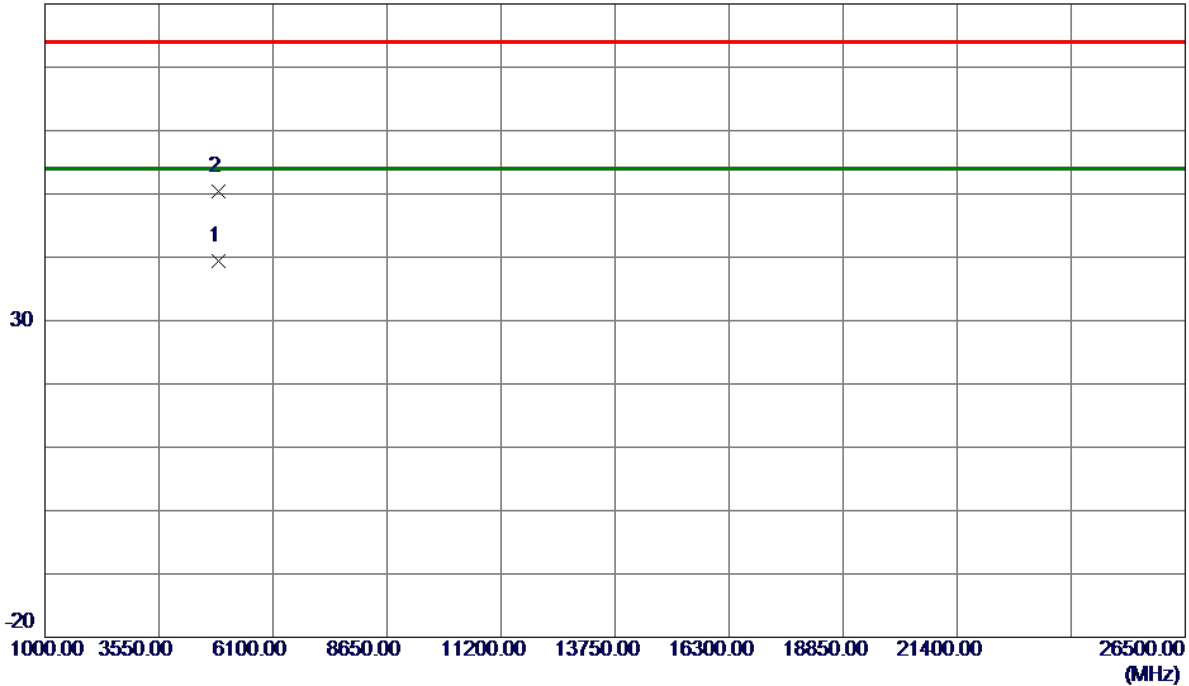
REMARKS:

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.2250	32.77	6.65	39.42	54.00	-14.58	AVG	
2	4879.2500	43.81	6.66	50.47	74.00	-23.53	Peak	

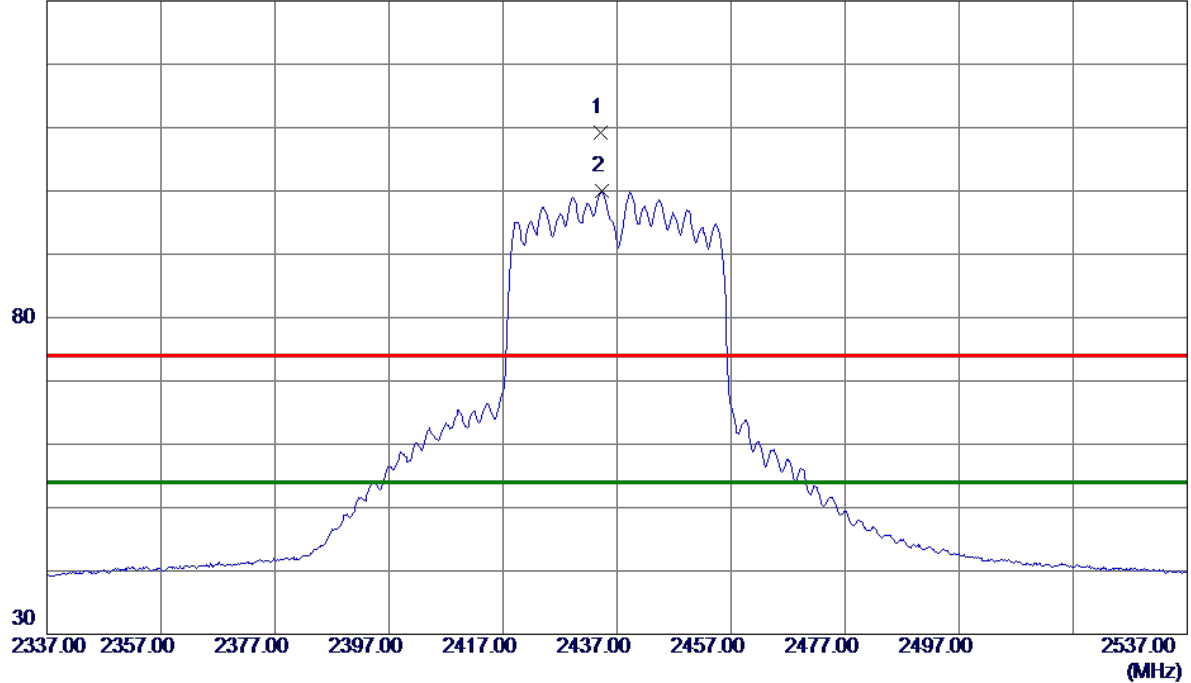
REMARKS:

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

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

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2434.1000	98.51	10.62	109.13	74.00	35.13	Peak	No Limit
2 *	2434.3000	89.46	10.62	100.08	54.00	46.08	AVG	No Limit

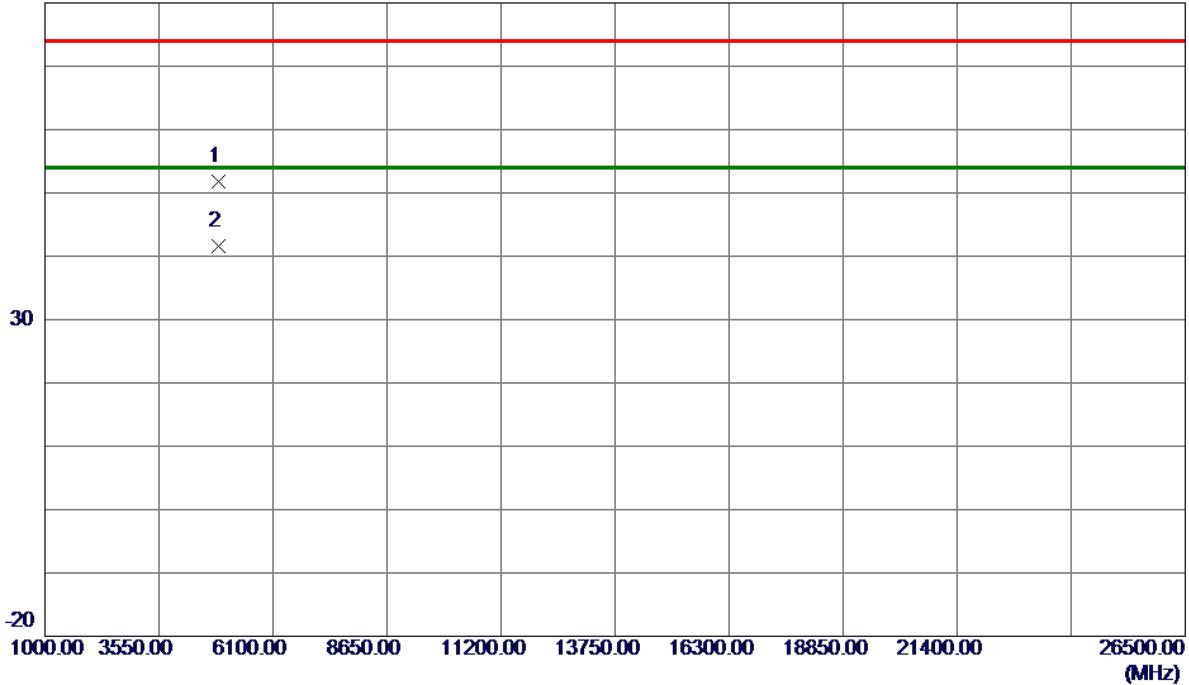
REMARKS:

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

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

80 dBuV/m



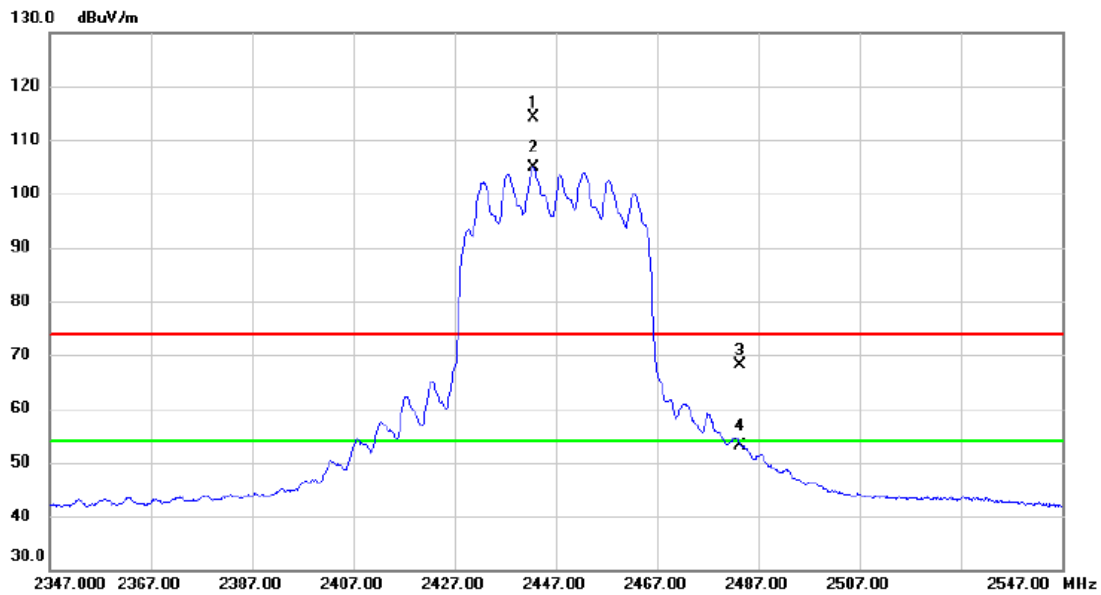
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.6500	45.23	6.65	51.88	74.00	-22.12	Peak	
2 *	4877.2250	34.90	6.66	41.56	54.00	-12.44	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2447 MHz

Vertical



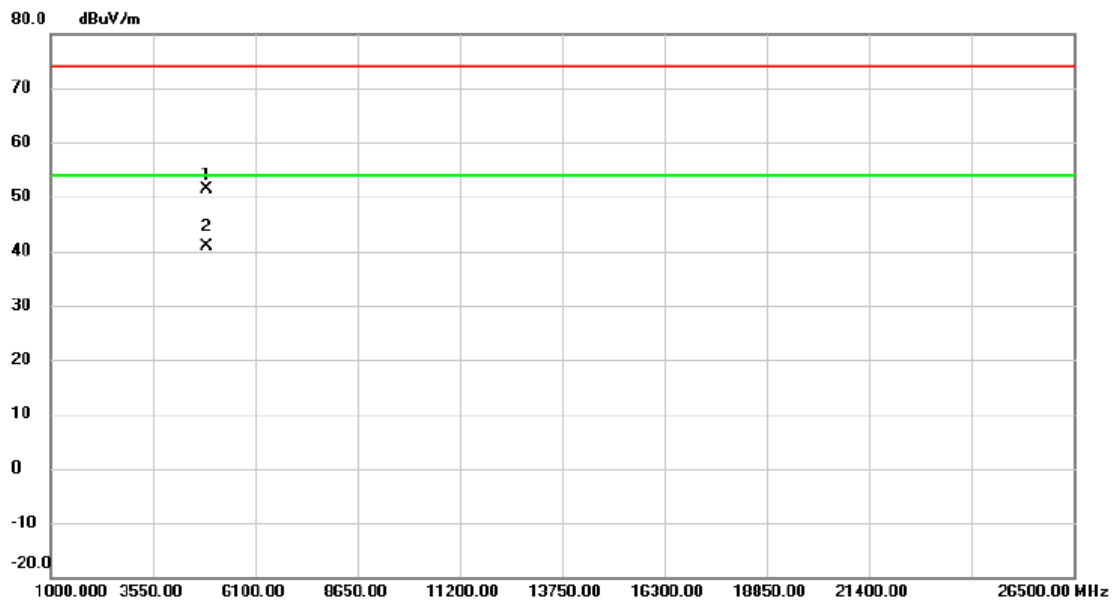
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2442.500	103.44	10.64	114.08	74.00	40.08	peak	No Limit
2	*	2442.500	94.17	10.64	104.81	54.00	50.81	AVG	No Limit
3		2483.500	57.44	10.76	68.20	74.00	-5.80	peak	
4		2483.500	42.46	10.76	53.22	54.00	-0.78	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2447 MHz

Vertical



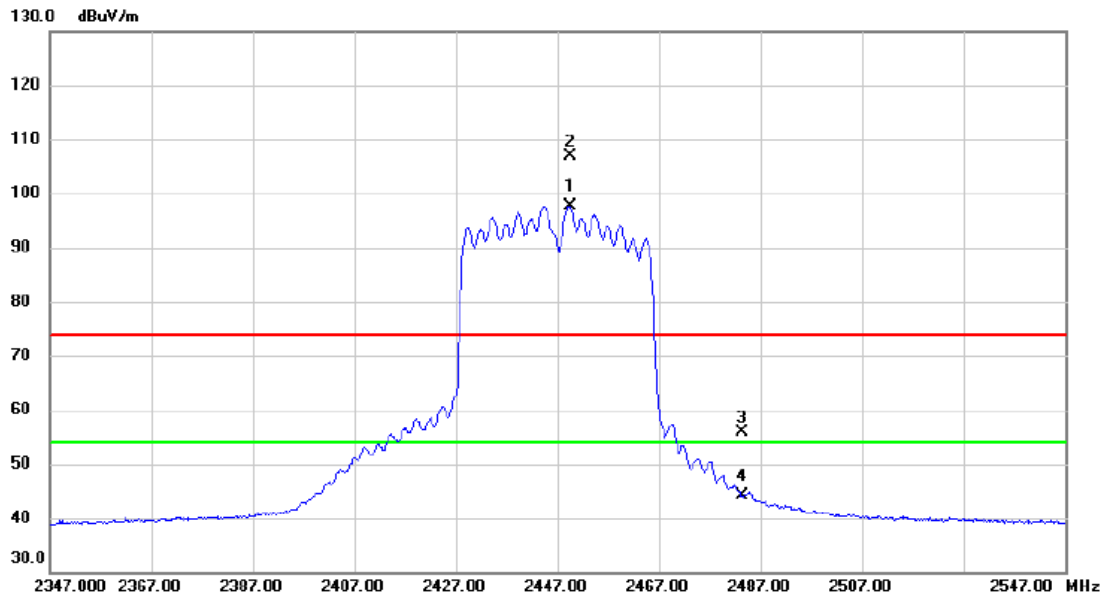
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4886.625	44.79	6.68	51.47	74.00	-22.53	peak	
2	*	4894.525	34.12	6.69	40.81	54.00	-13.19	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2447 MHz

Horizontal



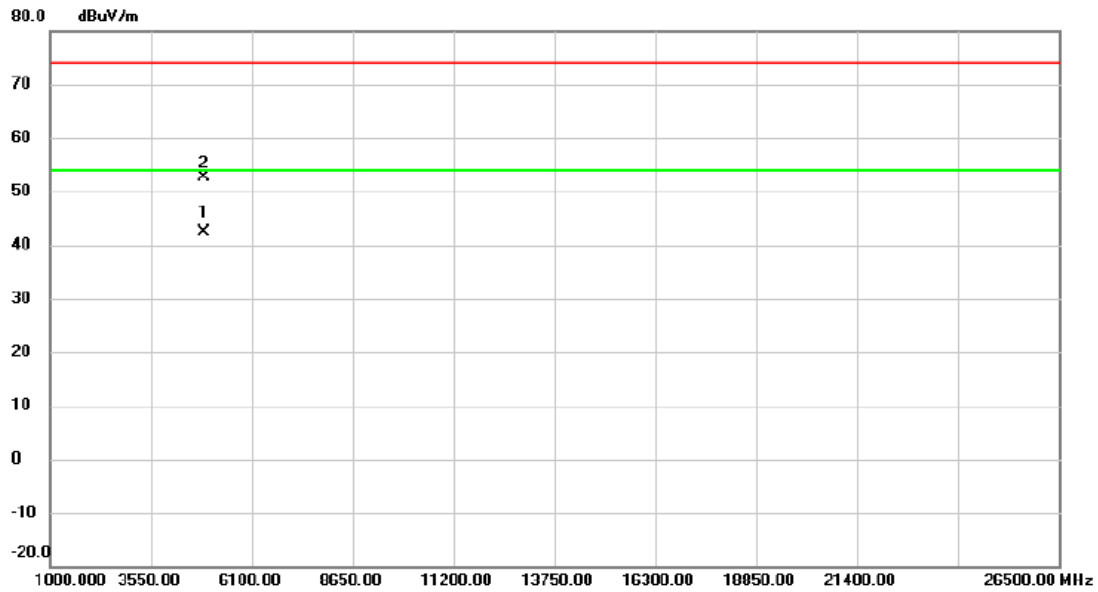
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2449.400	87.02	10.67	97.69	54.00	43.69	AVG	No Limit
2	X	2449.600	96.33	10.67	107.00	74.00	33.00	peak	No Limit
3		2483.500	45.01	10.76	55.77	74.00	-18.23	peak	
4		2483.500	33.30	10.76	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-40M Mode 2447 MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4886.950	35.65	6.68	42.33	54.00	-11.67	AVG	
2		4894.250	46.04	6.69	52.73	74.00	-21.27	peak	

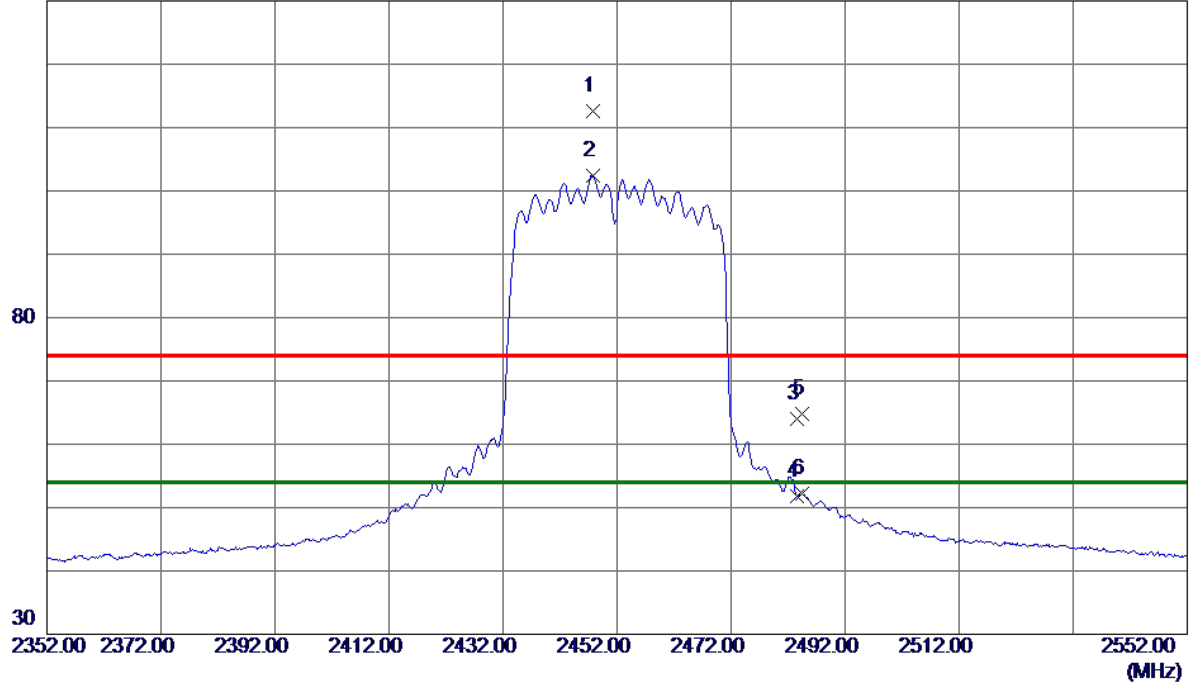
REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2447.8000	101.86	10.66	112.52	74.00	38.52	Peak	No Limit
2 *	2447.8000	91.82	10.66	102.48	54.00	48.48	AVG	No Limit
3	2483.5000	53.16	10.76	63.92	74.00	-10.08	Peak	
4	2483.5000	40.96	10.76	51.72	54.00	-2.28	AVG	
5	2484.5000	54.05	10.77	64.82	74.00	-9.18	Peak	
6	2484.5000	41.35	10.77	52.12	54.00	-1.88	AVG	

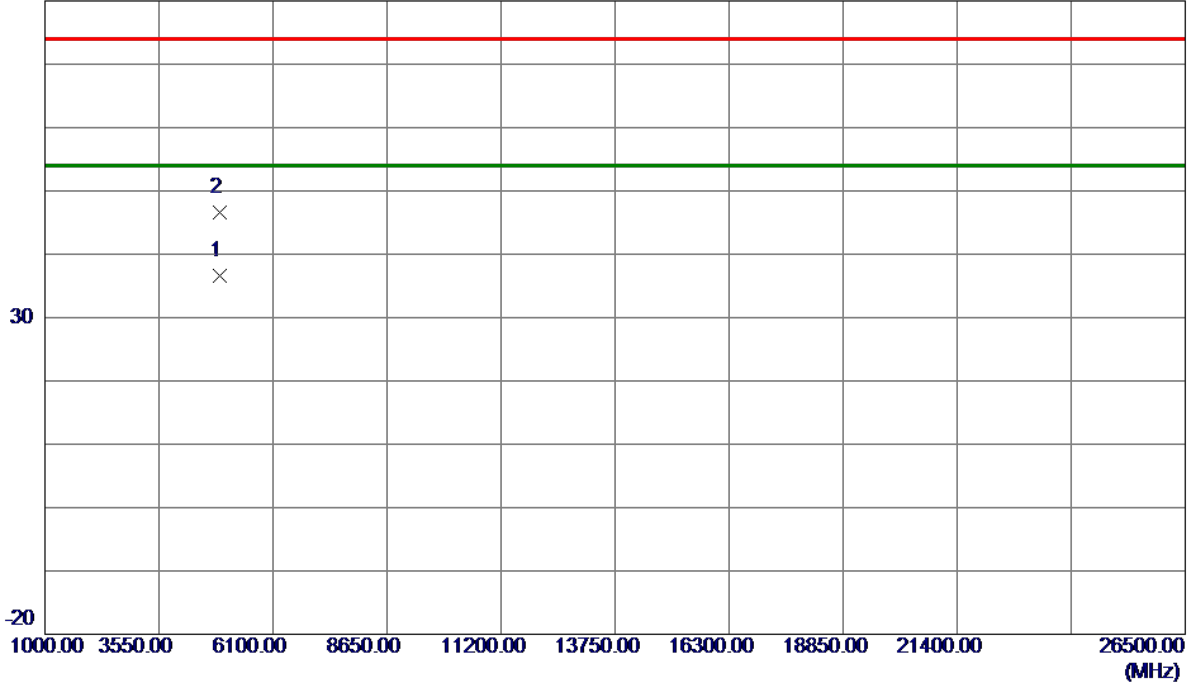
REMARKS:

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

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

80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	4904.5000	29.95	6.72	36.67	54.00	-17.33	AVG	
2	4912.2750	39.89	6.74	46.63	74.00	-27.37	Peak	

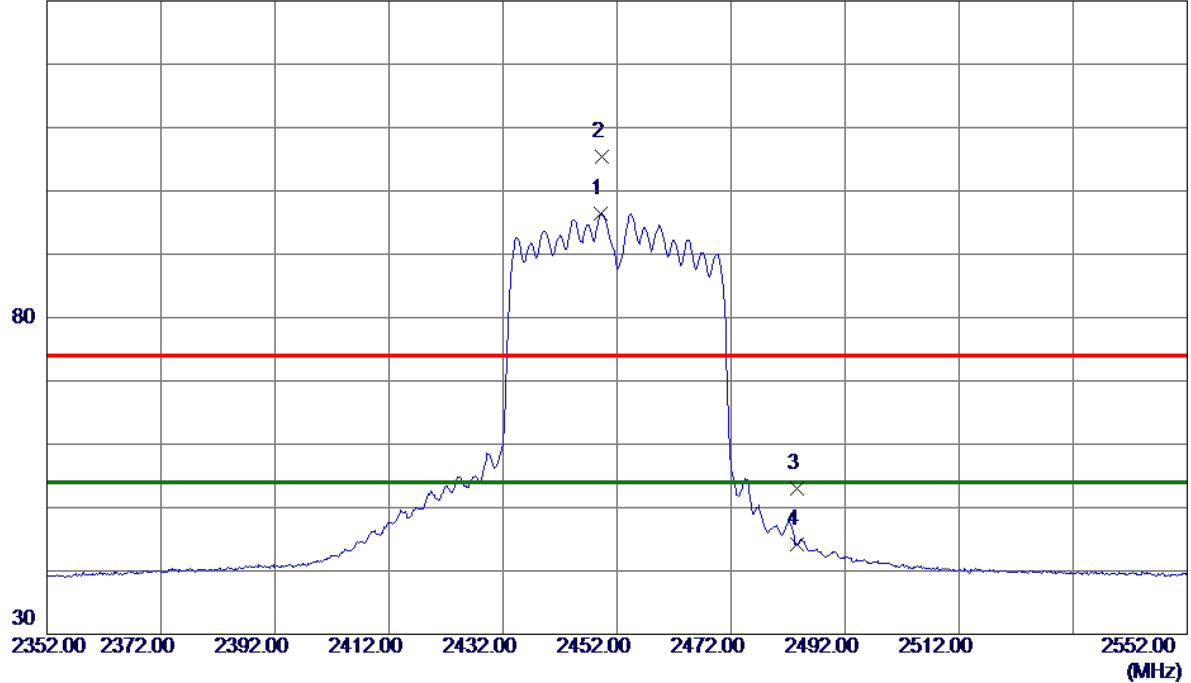
REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2449.2000	85.80	10.66	96.46	54.00	42.46	AVG	No Limit
2	2449.4000	94.80	10.67	105.47	74.00	31.47	Peak	No Limit
3	2483.5000	42.19	10.76	52.95	74.00	-21.05	Peak	
4	2483.5000	33.38	10.76	44.14	54.00	-9.86	AVG	

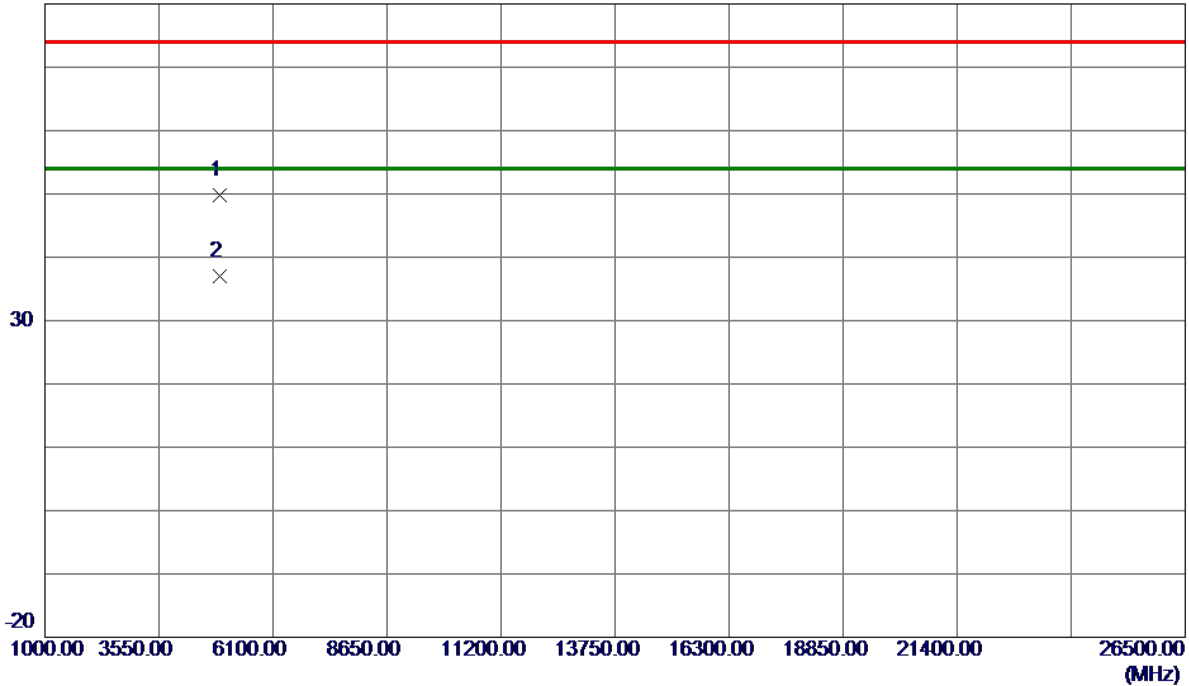
REMARKS:

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4897.0250	43.06	6.71	49.77	74.00	-24.23	Peak	
2 *	4904.1750	30.35	6.72	37.07	54.00	-16.93	AVG	

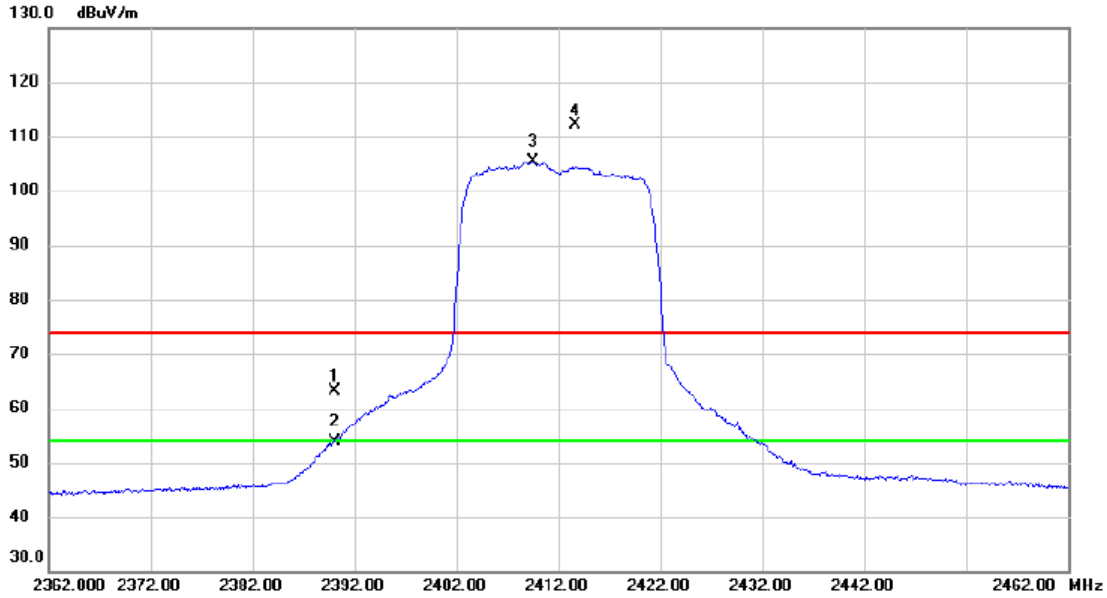
REMARKS:

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

Beamforming

Test Mode: TX N-20M Mode 2412 MHz

Vertical



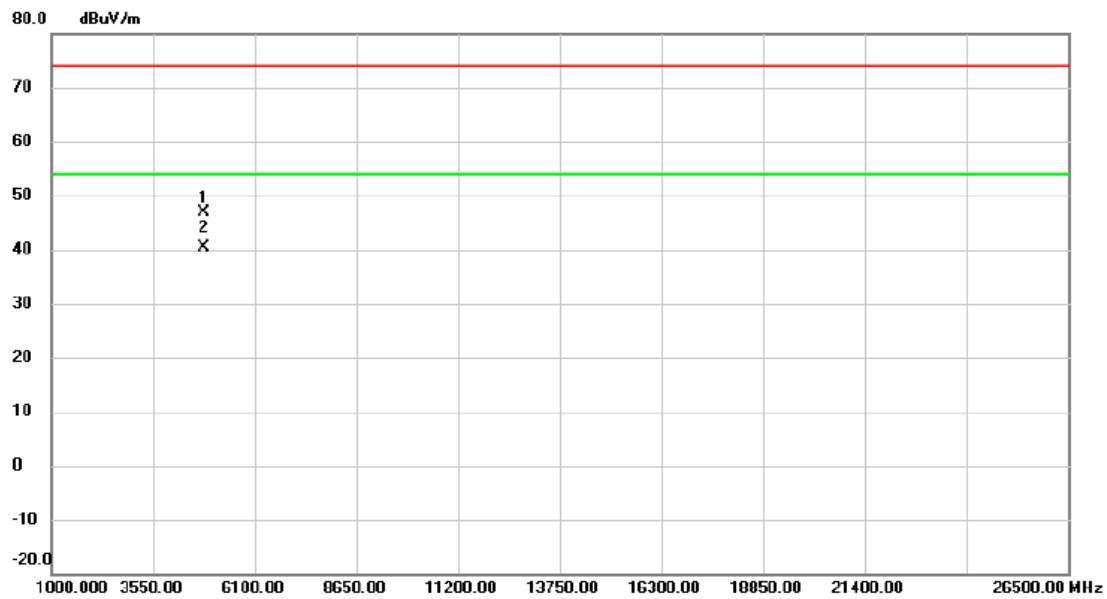
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	52.69	10.50	63.19	74.00	-10.81	peak	
2		2390.000	43.37	10.50	53.87	54.00	-0.13	AVG	
3	*	2409.600	94.91	10.56	105.47	54.00	51.47	AVG	No Limit
4	X	2413.700	101.60	10.56	112.16	74.00	38.16	peak	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

Vertical



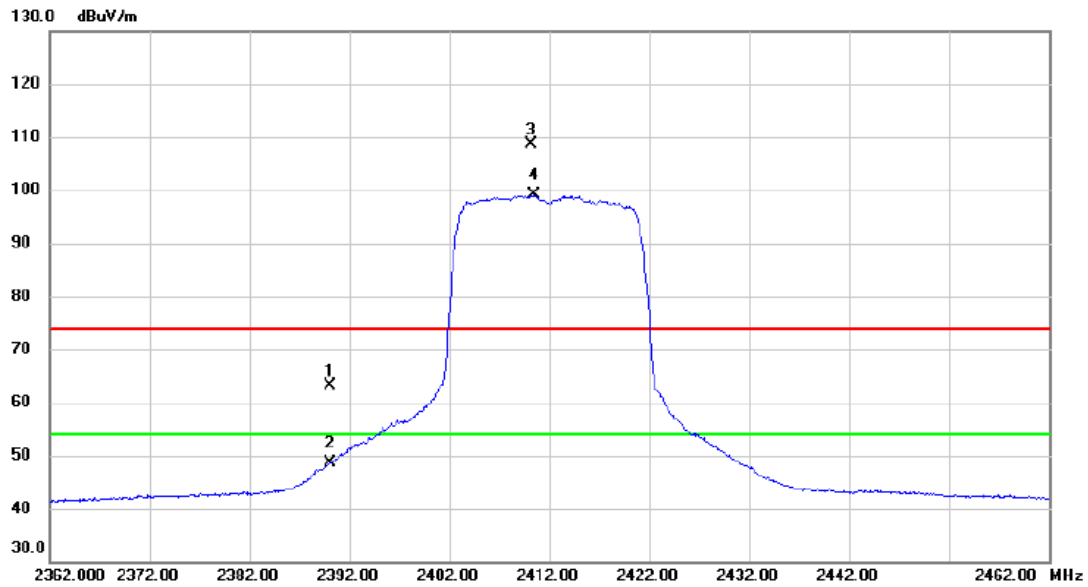
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4813.200	40.37	6.50	46.87	74.00	-27.13	peak	
2	*	4821.800	33.88	6.51	40.39	54.00	-13.61	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Horizontal



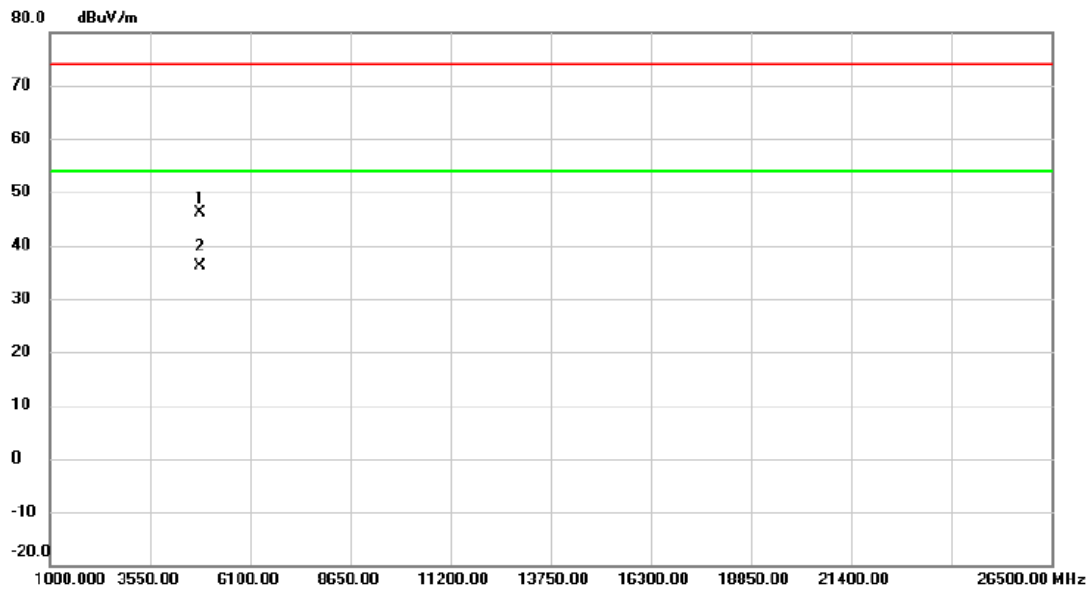
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	52.66	10.50	63.16	74.00	-10.84	peak	
2		2390.000	38.02	10.50	48.52	54.00	-5.48	AVG	
3	X	2410.250	97.96	10.55	108.51	74.00	34.51	peak	No Limit
4	*	2410.450	88.51	10.55	99.06	54.00	45.06	AVG	No Limit

REMARKS:

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

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



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4820.230	39.53	6.51	46.04	74.00	-27.96	peak	
2	*	4821.500	29.53	6.51	36.04	54.00	-17.96	AVG	

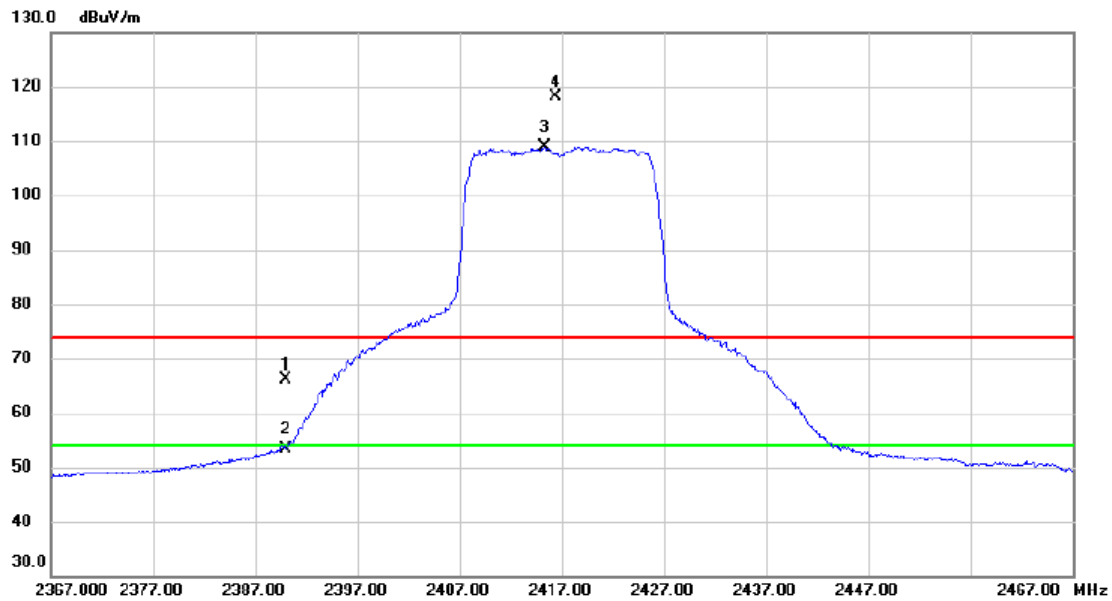
REMARKS:

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

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

Test Mode: TX N-20M Mode 2417 MHz

Vertical



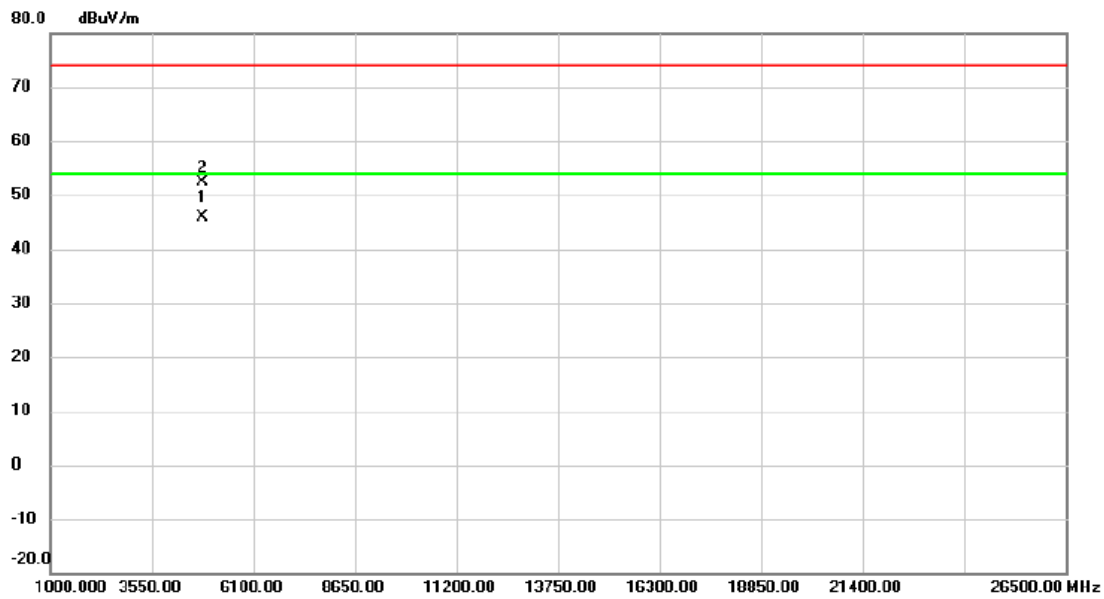
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	55.73	10.50	66.23	74.00	-7.77	peak	
2		2390.000	42.88	10.50	53.38	54.00	-0.62	AVG	
3	*	2415.350	98.39	10.56	108.95	54.00	54.95	AVG	No Limit
4	X	2416.400	107.64	10.57	118.21	74.00	44.21	peak	No Limit

REMARKS:

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

Test Mode: TX N-20M Mode 2417 MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4834.350	39.46	6.54	46.00	54.00	-8.00	AVG	
2		4837.150	45.87	6.56	52.43	74.00	-21.57	peak	

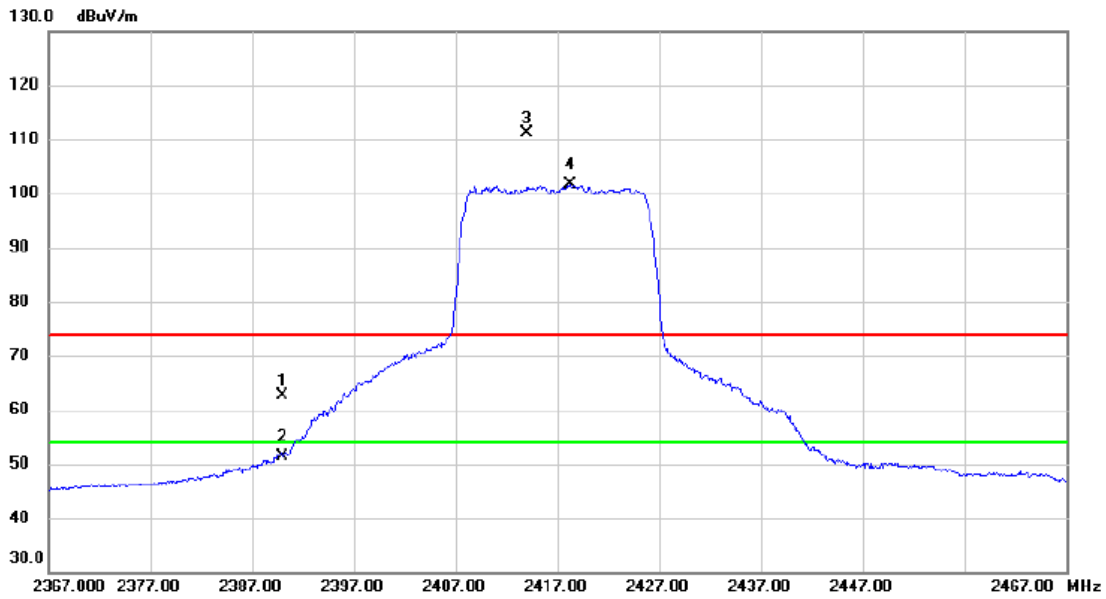
REMARKS:

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

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

Test Mode: TX N-20M Mode 2417 MHz

Horizontal



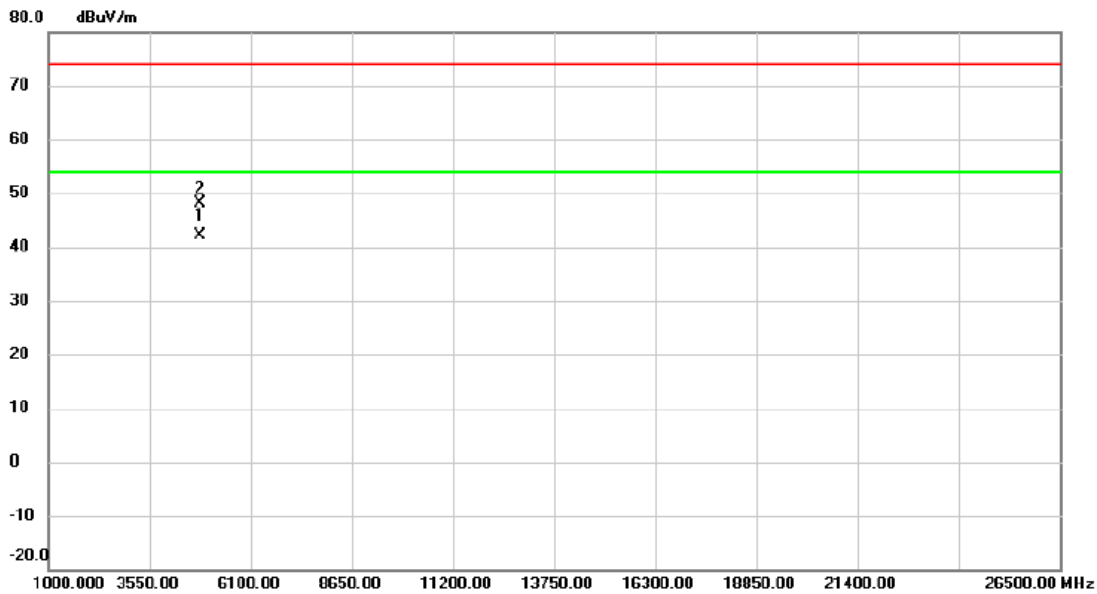
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.000	52.21	10.50	62.71	74.00	-11.29	peak	
2	2390.000	40.88	10.50	51.38	54.00	-2.62	AVG	
3 X	2414.050	100.53	10.56	111.09	74.00	37.09	peak	No Limit
4 *	2418.250	90.99	10.58	101.57	54.00	47.57	AVG	No Limit

REMARKS:

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

Test Mode: TX N-20M Mode 2417 MHz

Horizontal



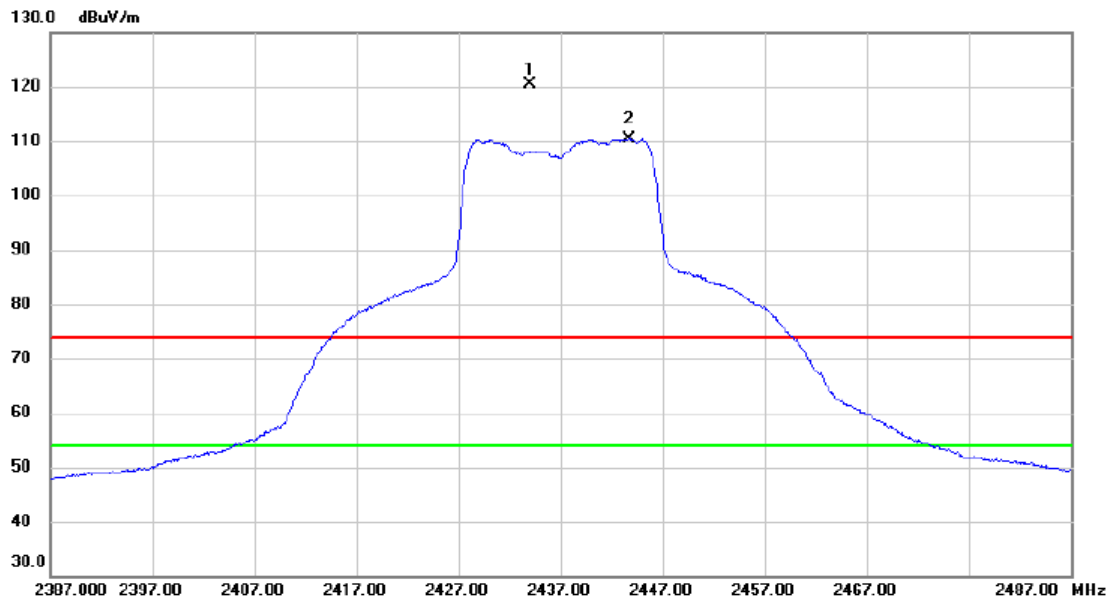
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4835.450	35.48	6.56	42.04	54.00	-11.96	AVG	
2		4836.240	41.68	6.56	48.24	74.00	-25.76	peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Vertical



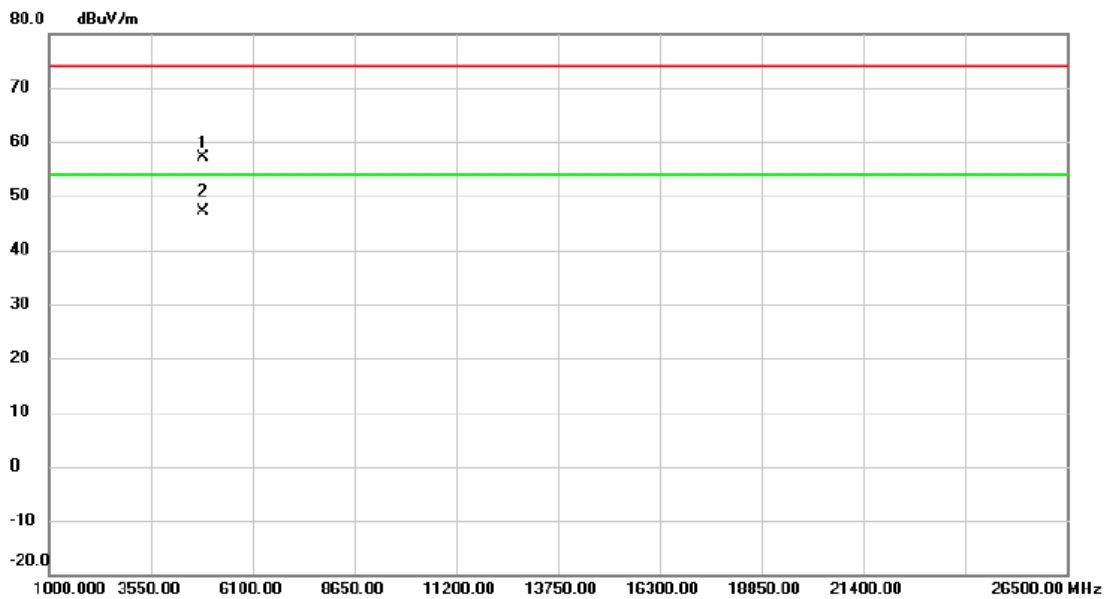
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2434.050	109.84	10.61	120.45	74.00	46.45	peak	No Limit
2	*	2443.700	99.67	10.65	110.32	54.00	56.32	AVG	No Limit

REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Vertical



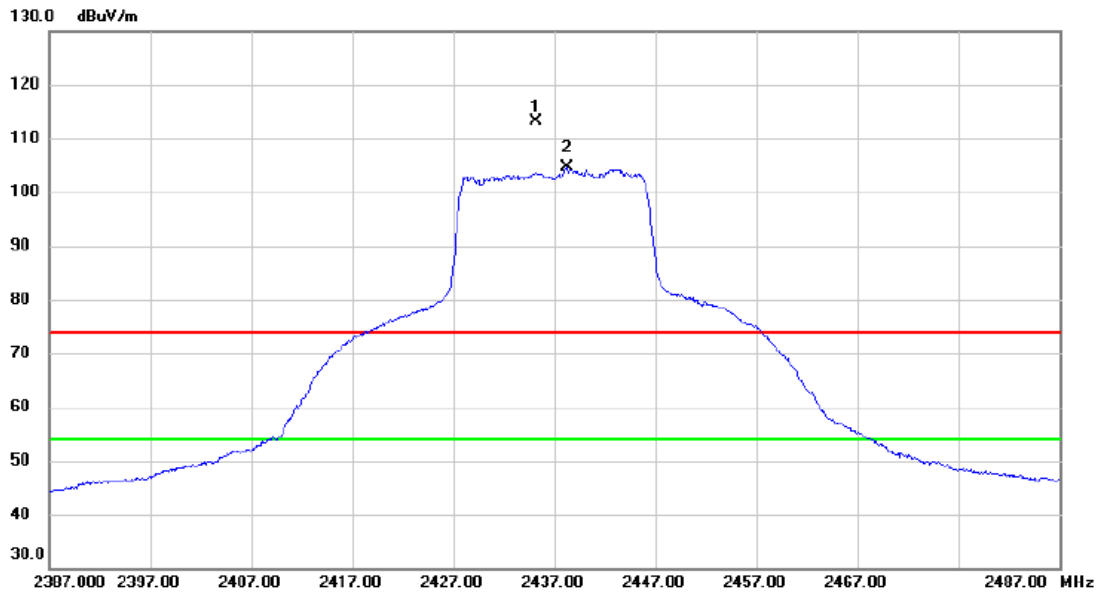
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4872.150	50.38	6.65	57.03	74.00	-16.97	peak	
2	*	4873.450	40.50	6.65	47.15	54.00	-6.85	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Horizontal



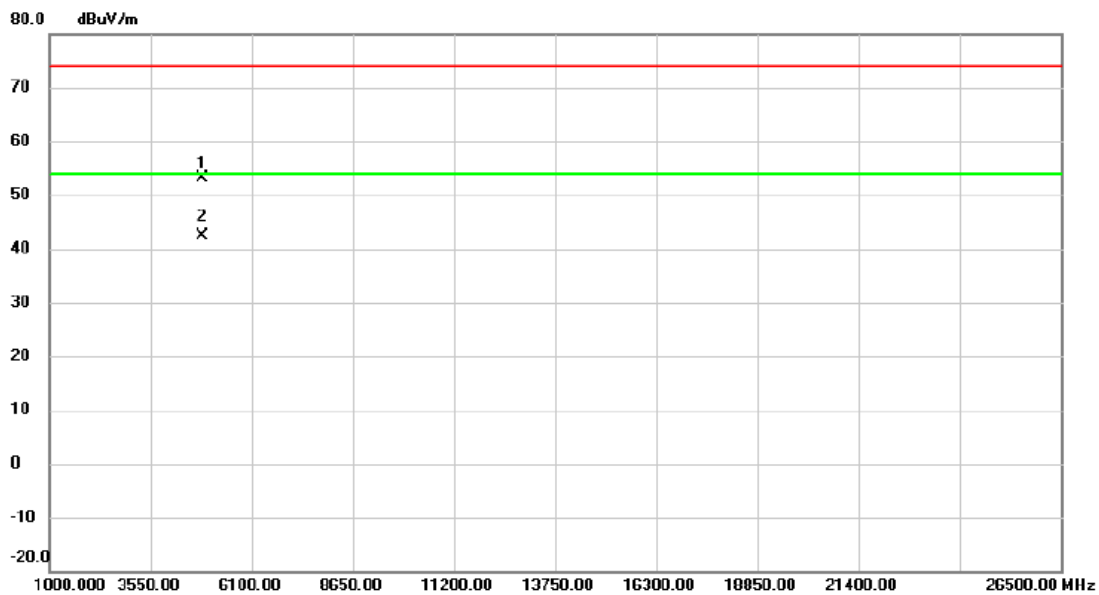
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2435.250	102.45	10.62	113.07	74.00	39.07	peak	No Limit
2	*	2438.250	93.90	10.63	104.53	54.00	50.53	AVG	No Limit

REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4872.370	46.42	6.65	53.07	74.00	-20.93	peak	
2	*	4872.540	35.64	6.65	42.29	54.00	-11.71	AVG	

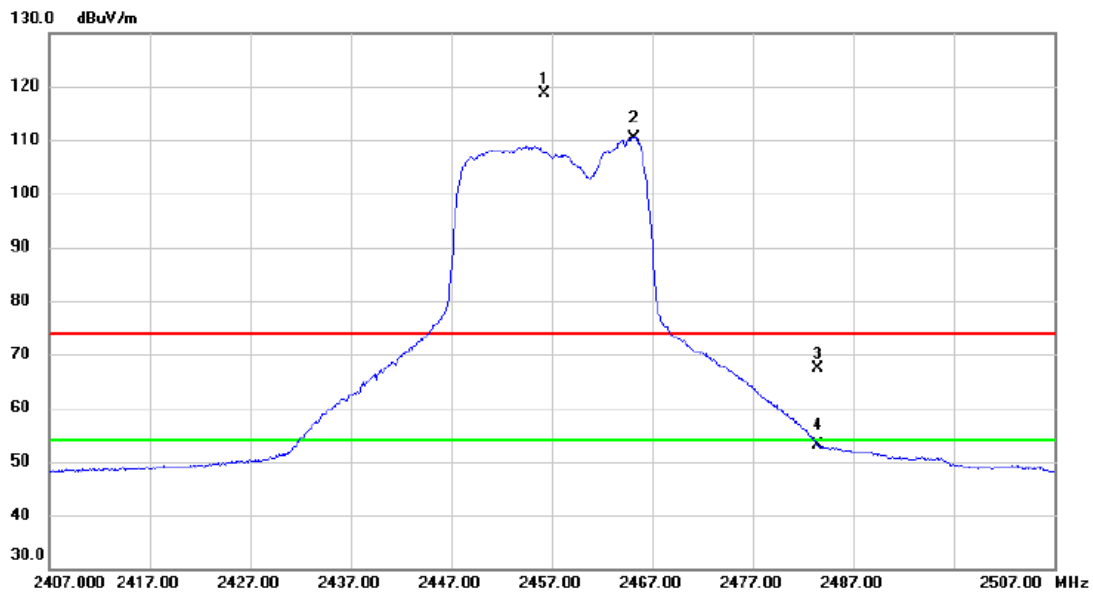
REMARKS:

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

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

Test Mode: TX N-20M Mode 2457 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	2456.250	108.01	10.68	118.69	74.00	44.69	peak	No Limit
2	*	2465.150	99.77	10.71	110.48	54.00	56.48	AVG	No Limit
3		2483.500	56.52	10.76	67.28	74.00	-6.72	peak	
4		2483.500	42.34	10.76	53.10	54.00	-0.90	AVG	

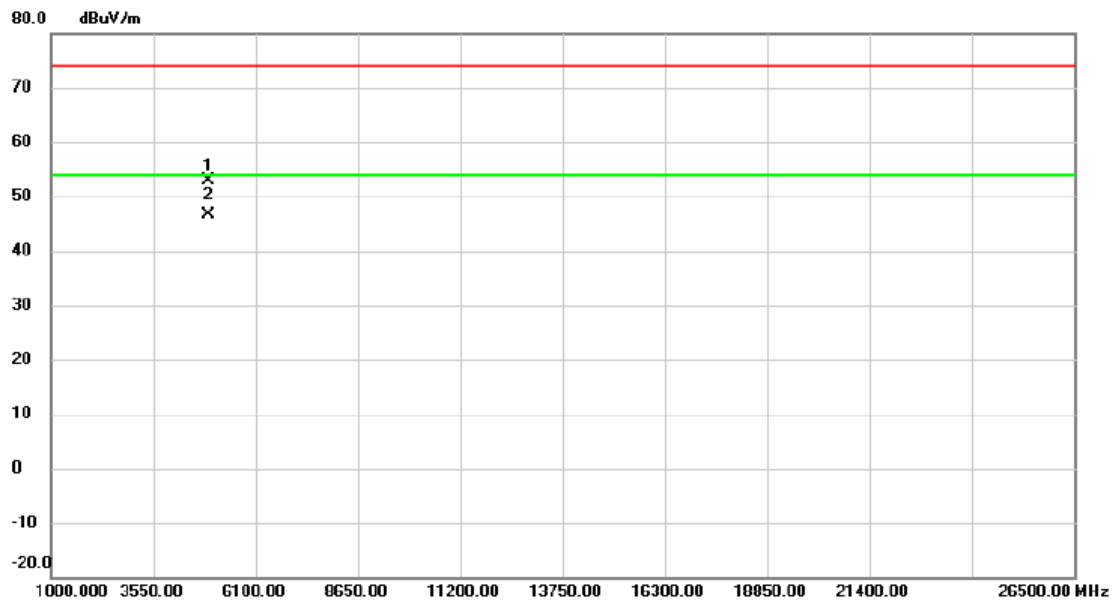
REMARKS:

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

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

Test Mode: TX N-20M Mode 2457 MHz

Vertical



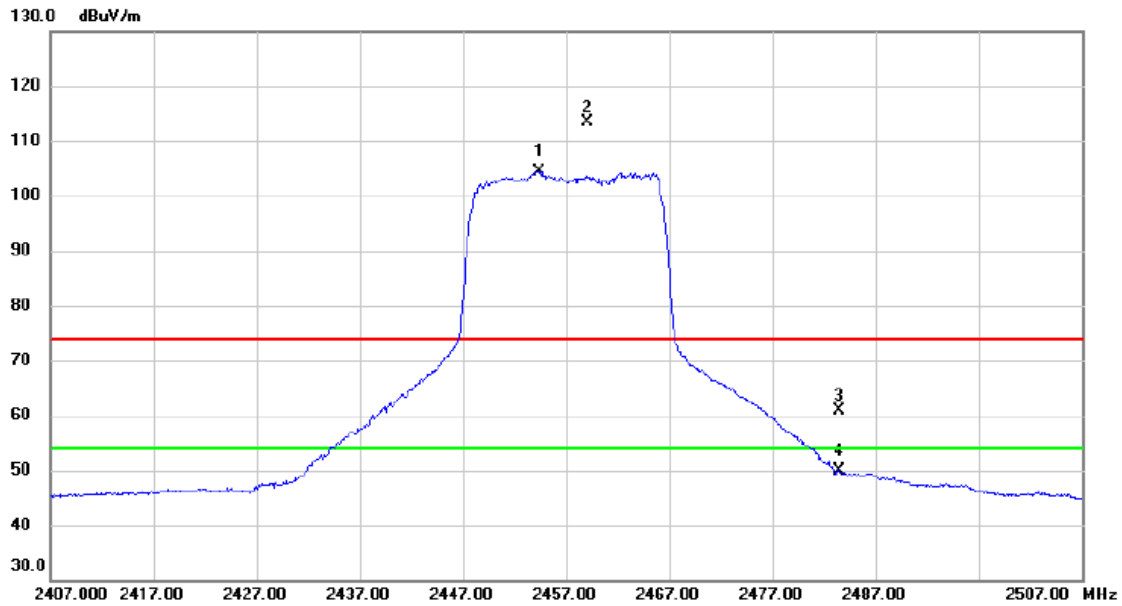
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4911.150	46.23	6.75	52.98	74.00	-21.02	peak	
2	*	4911.600	39.92	6.75	46.67	54.00	-7.33	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2457 MHz

Horizontal



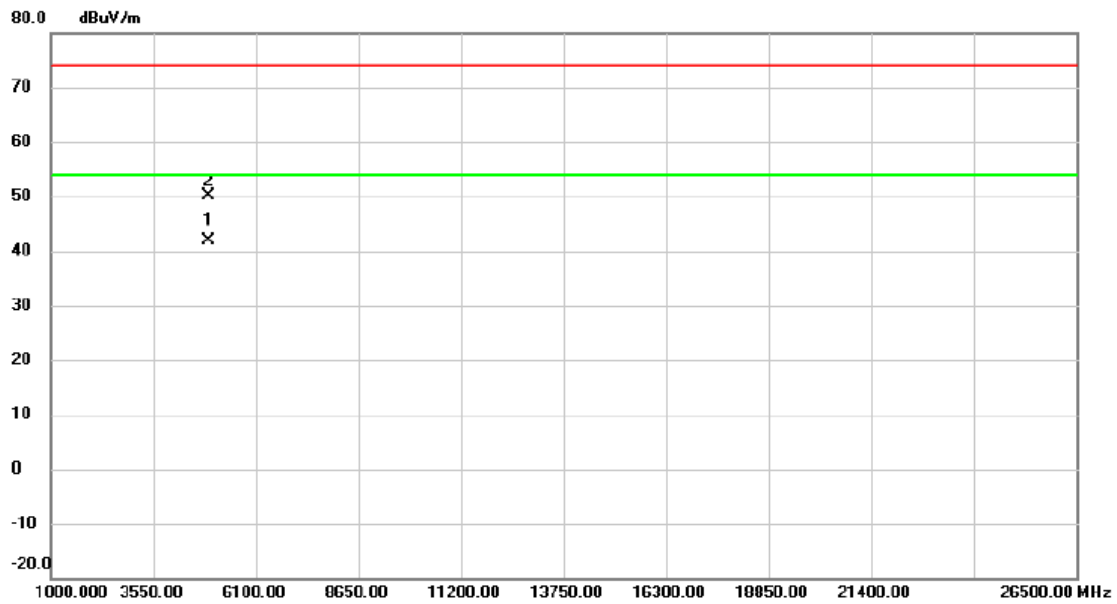
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2454.400	93.80	10.68	104.48	54.00	50.48	AVG	No Limit
2	X	2459.100	102.63	10.69	113.32	74.00	39.32	peak	No Limit
3		2483.500	50.14	10.76	60.90	74.00	-13.10	peak	
4		2483.500	39.04	10.76	49.80	54.00	-4.20	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2457 MHz

Horizontal



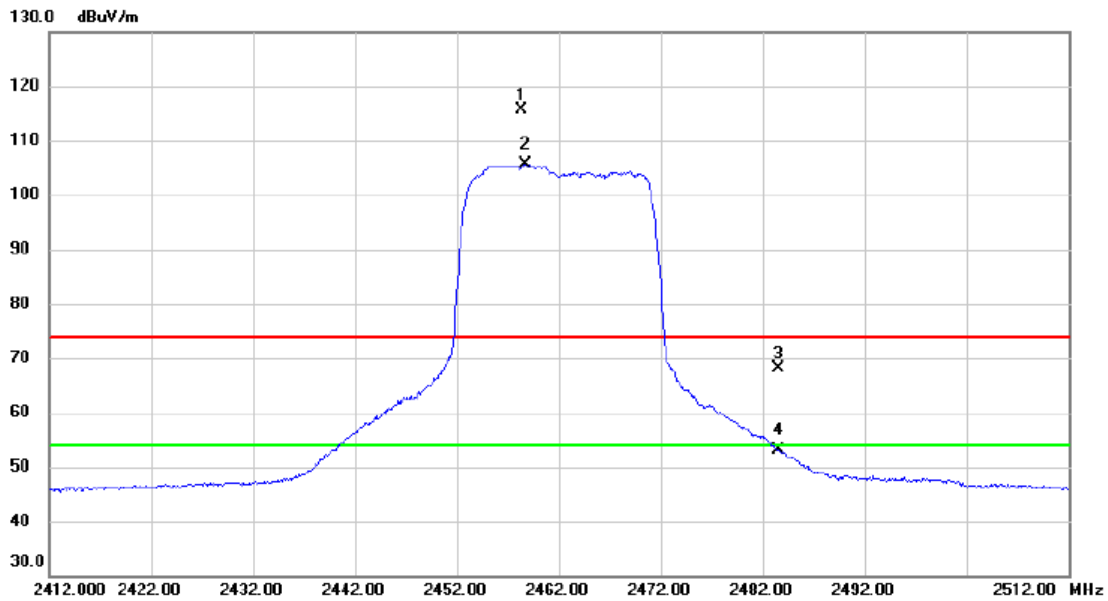
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4912.240	35.13	6.75	41.88	54.00	-12.12	AVG	
2		4912.410	43.37	6.75	50.12	74.00	-23.88	peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Vertical



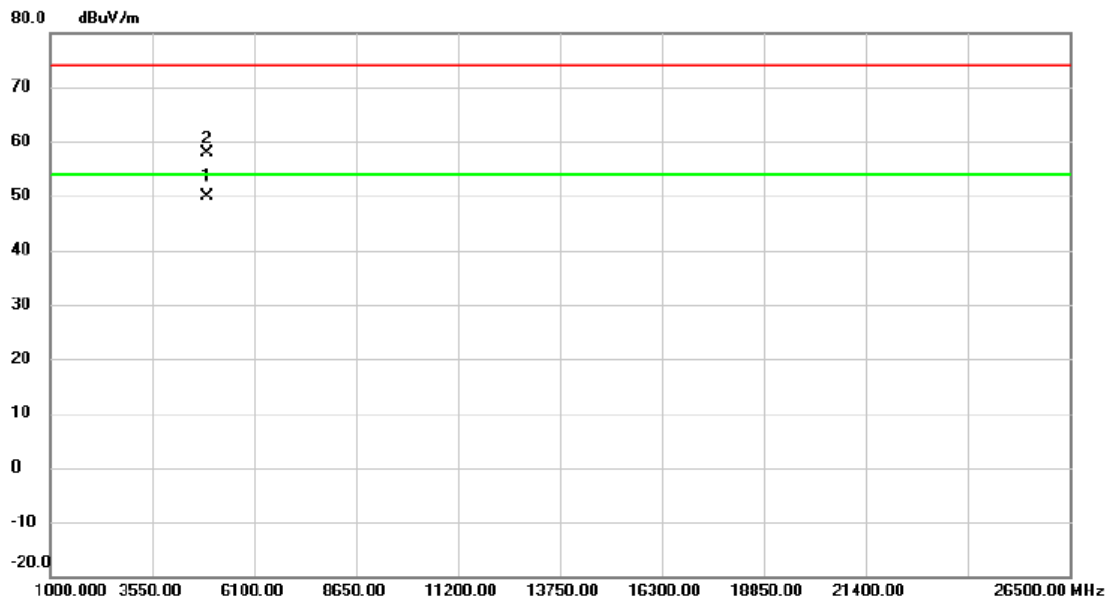
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2458.350	104.83	10.69	115.52	74.00	41.52	peak	No Limit
2	*	2458.750	94.88	10.69	105.57	54.00	51.57	AVG	No Limit
3		2483.500	57.36	10.76	68.12	74.00	-5.88	peak	
4		2483.500	42.39	10.76	53.15	54.00	-0.85	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



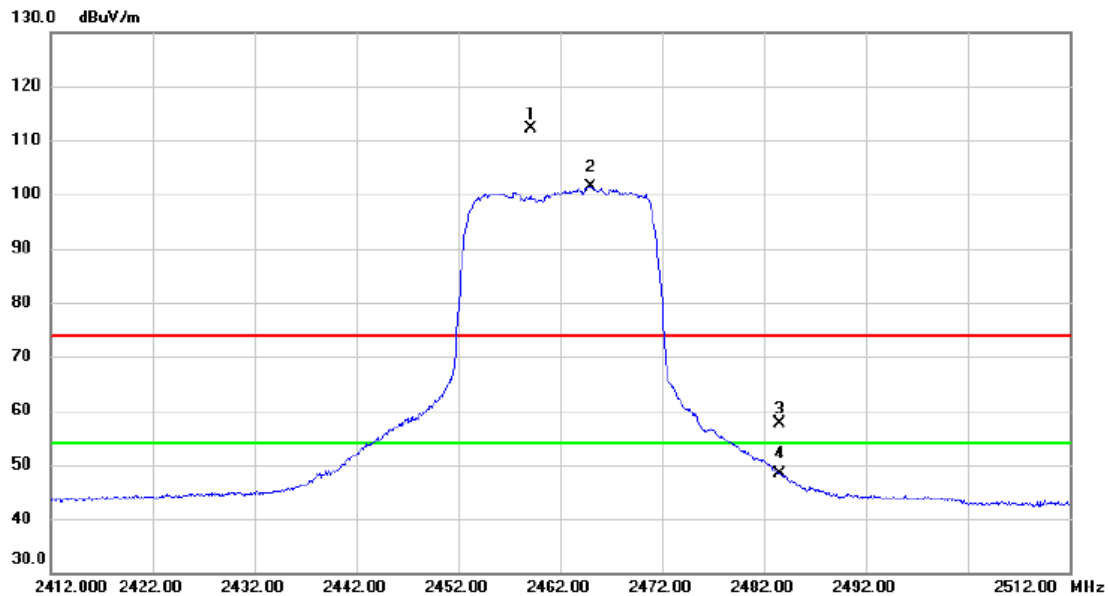
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4918.950	43.03	6.76	49.79	54.00	-4.21	AVG	
2		4923.350	51.02	6.78	57.80	74.00	-16.20	peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Horizontal



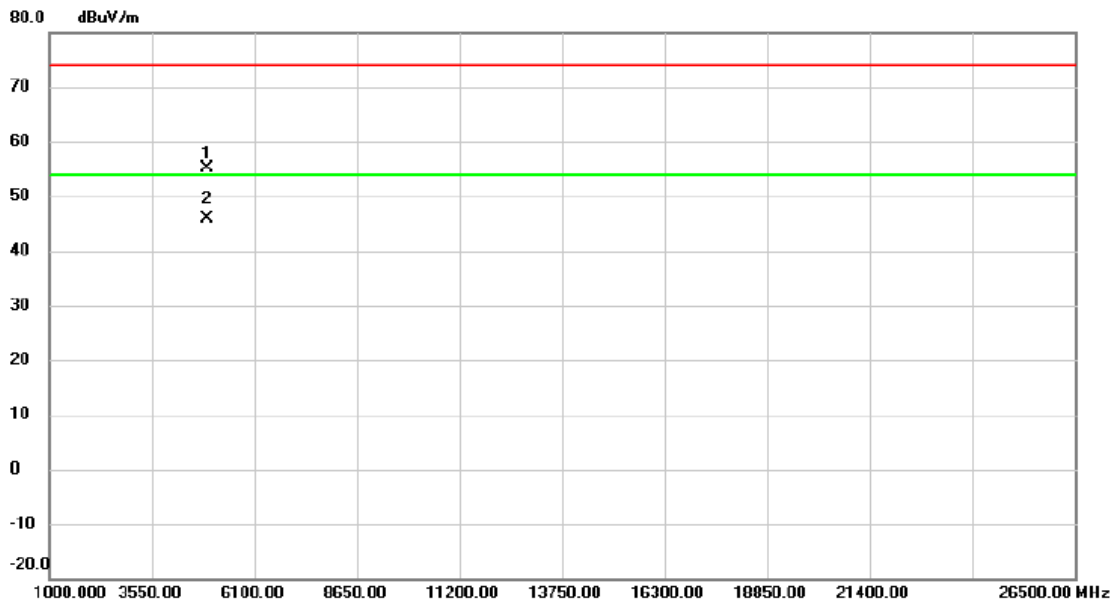
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2459.150	101.37	10.69	112.06	74.00	38.06	peak	No Limit
2	*	2464.950	90.69	10.71	101.40	54.00	47.40	AVG	No Limit
3		2483.500	46.78	10.76	57.54	74.00	-16.46	peak	
4		2483.500	37.59	10.76	48.35	54.00	-5.65	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



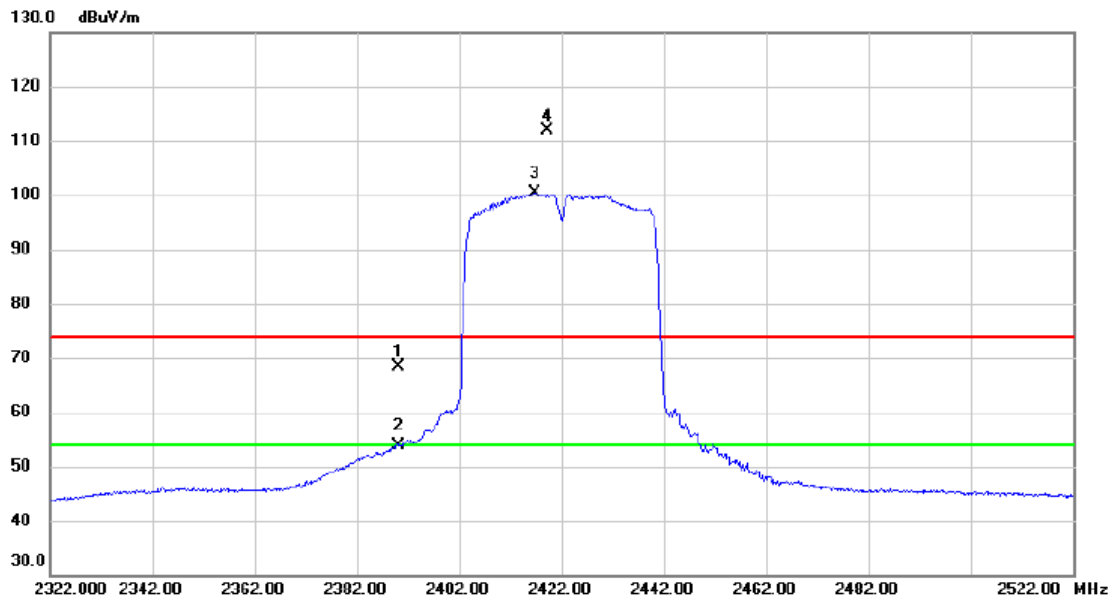
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4923.410	48.34	6.78	55.12	74.00	-18.88	peak	
2	*	4924.340	39.01	6.78	45.79	54.00	-8.21	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2422 MHz

Vertical



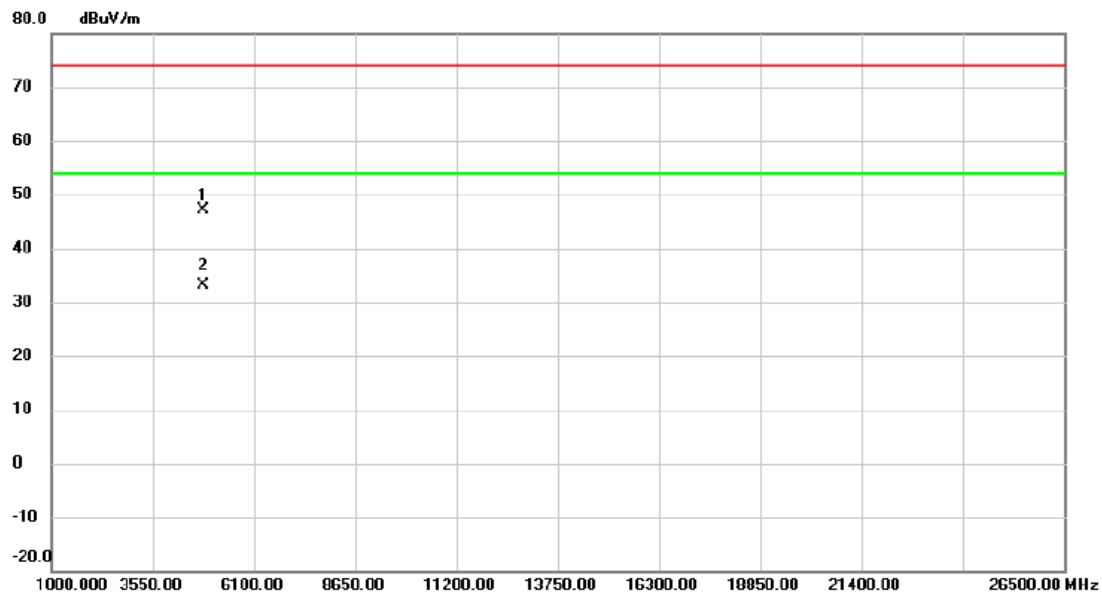
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	57.78	10.50	68.28	74.00	-5.72	peak	
2		2390.000	43.44	10.50	53.94	54.00	-0.06	AVG	
3	*	2416.800	89.88	10.57	100.45	54.00	46.45	AVG	No Limit
4	X	2419.200	101.31	10.58	111.89	74.00	37.89	peak	No Limit

REMARKS:

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

Test Mode: TX N-40M Mode 2422 MHz

Vertical



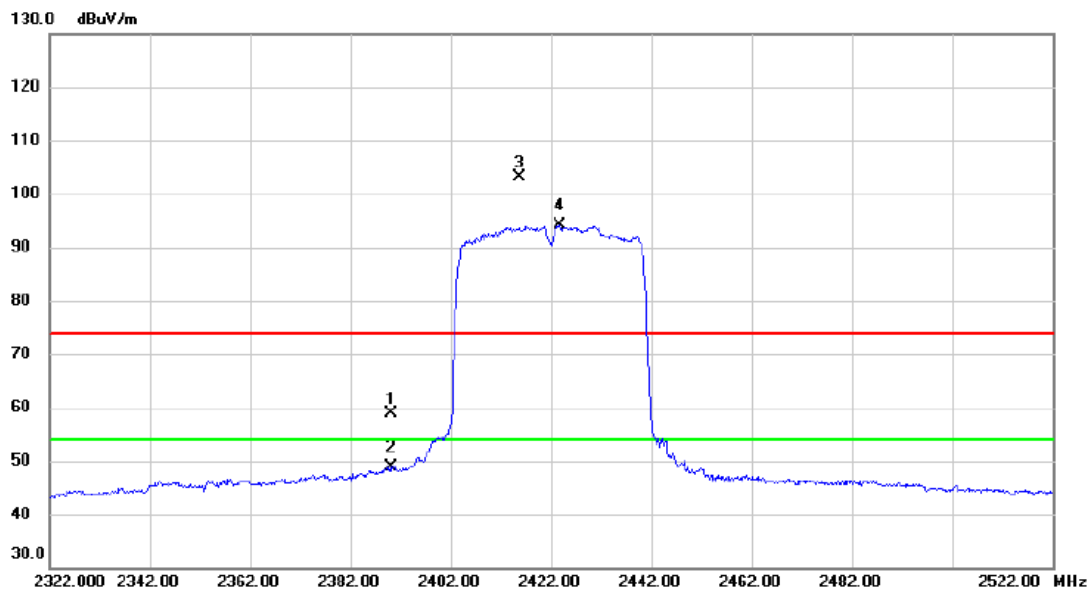
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4823.350	40.56	6.53	47.09	74.00	-26.91	peak	
2	*	4824.500	26.63	6.53	33.16	54.00	-20.84	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2422 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	48.35	10.50	58.85	74.00	-15.15	peak	
2		2390.000	38.44	10.50	48.94	54.00	-5.06	AVG	
3	X	2415.700	92.51	10.56	103.07	74.00	29.07	peak	No Limit
4	*	2423.800	83.44	10.59	94.03	54.00	40.03	AVG	No Limit

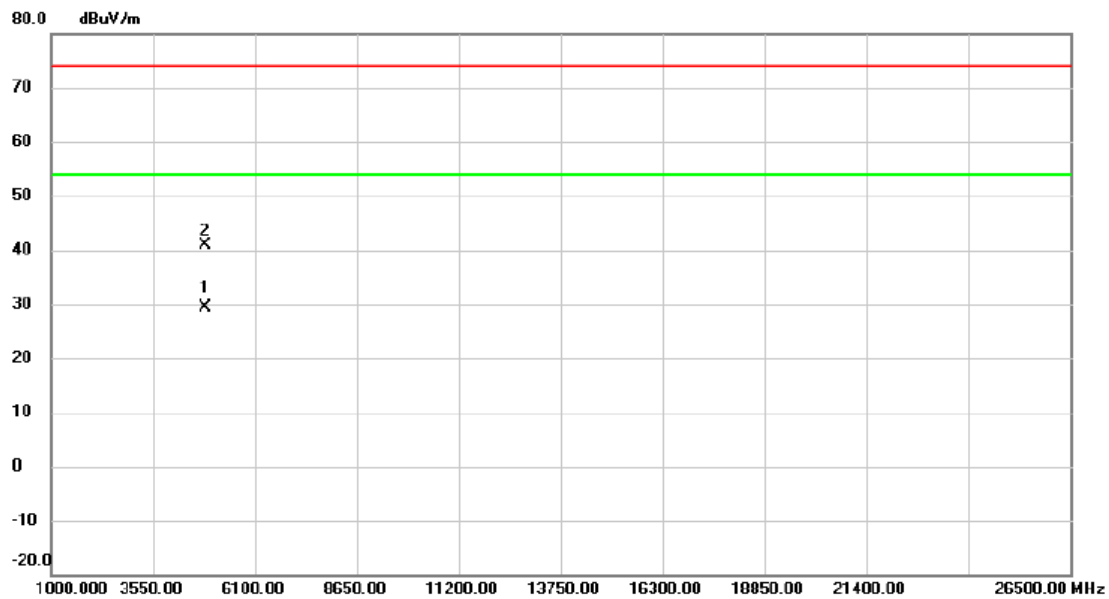
REMARKS:

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

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

Test Mode: TX N-40M Mode 2422 MHz

Horizontal



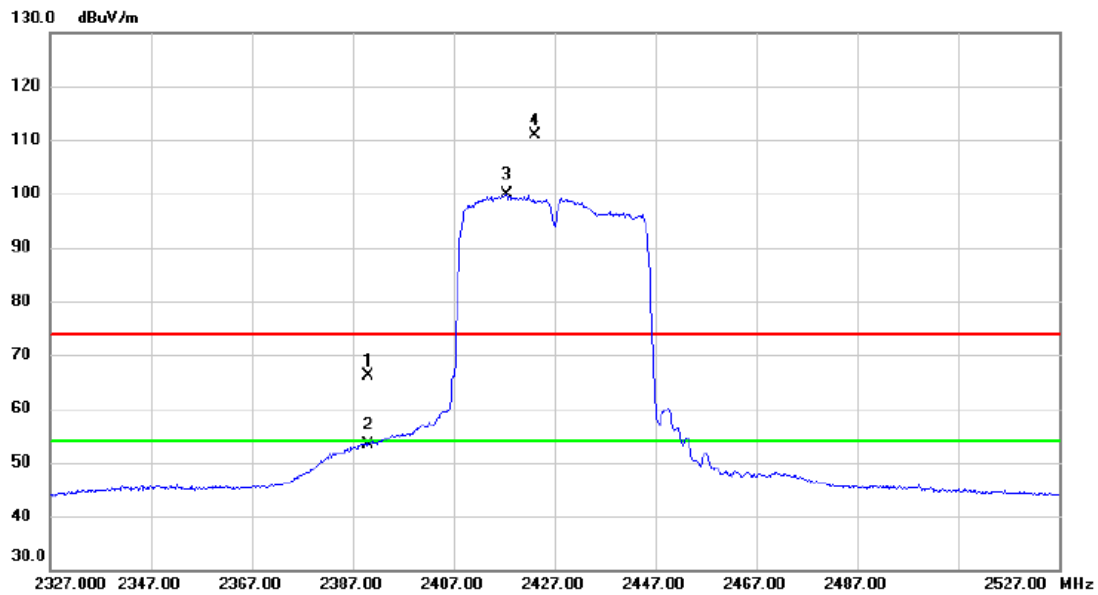
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4844.000	22.55	6.78	29.33	54.00	-24.67	AVG	
2		4844.200	34.04	6.78	40.82	74.00	-33.18	peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2427 MHz

Vertical



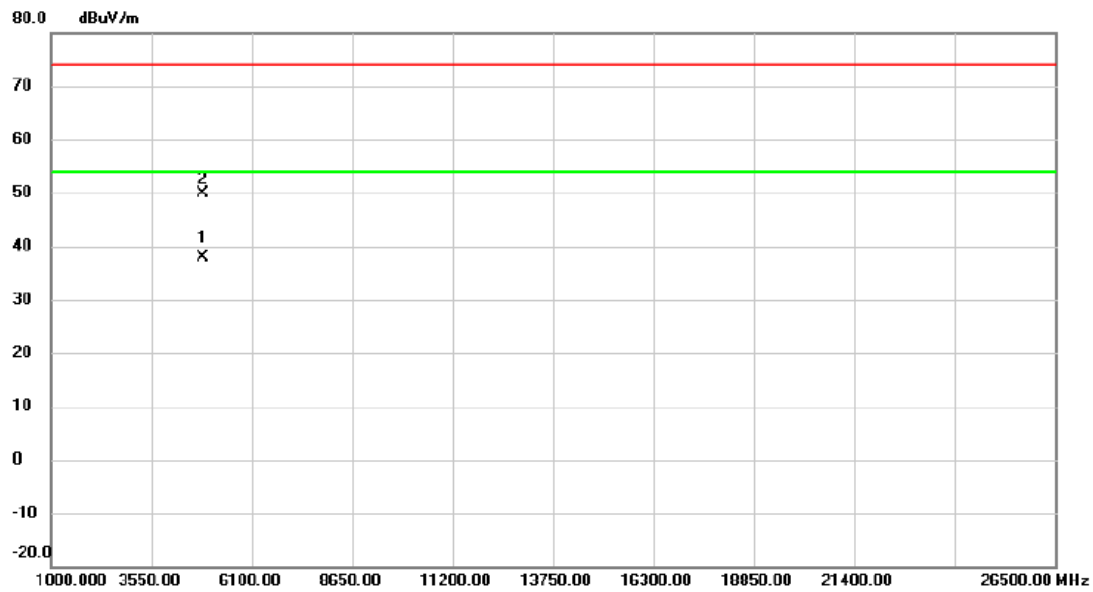
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	55.75	10.50	66.25	74.00	-7.75	peak	
2		2390.000	42.84	10.50	53.34	54.00	-0.66	AVG	
3	*	2417.400	89.23	10.57	99.80	54.00	45.80	AVG	No Limit
4	X	2423.000	100.22	10.59	110.81	74.00	36.81	peak	No Limit

REMARKS:

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

Test Mode:	TX N-40M Mode 2427 MHz
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Vertical



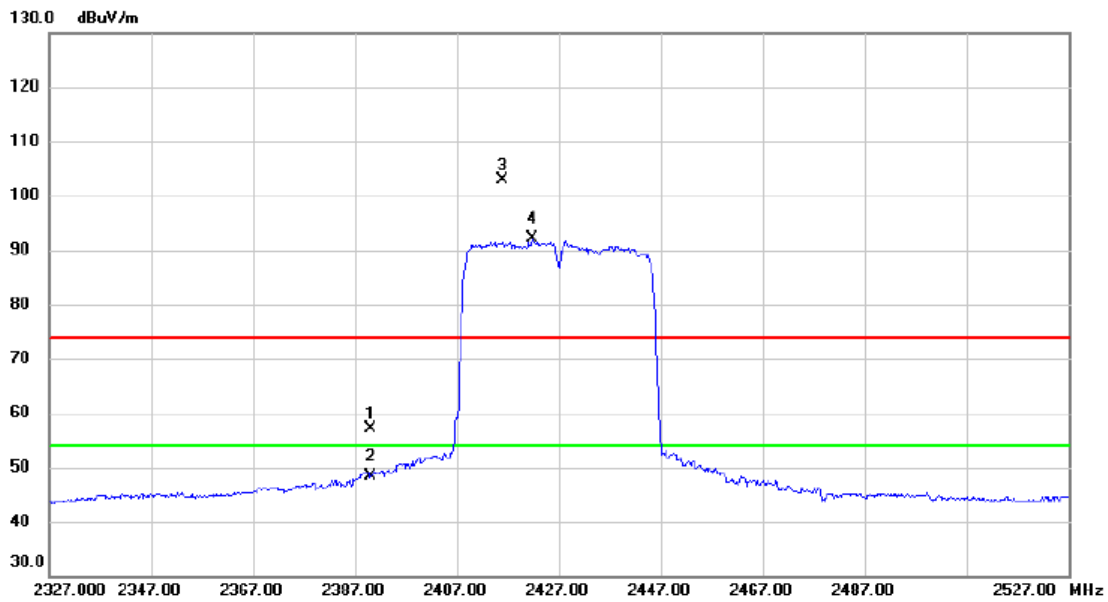
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4854.250	31.23	6.60	37.83	54.00	-16.17	AVG	
2		4862.300	43.19	6.62	49.81	74.00	-24.19	peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2427 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	46.59	10.50	57.09	74.00	-16.91	peak	
2		2390.000	37.84	10.50	48.34	54.00	-5.66	AVG	
3	X	2416.000	92.43	10.57	103.00	74.00	29.00	peak	No Limit
4	*	2421.700	81.44	10.59	92.03	54.00	38.03	AVG	No Limit

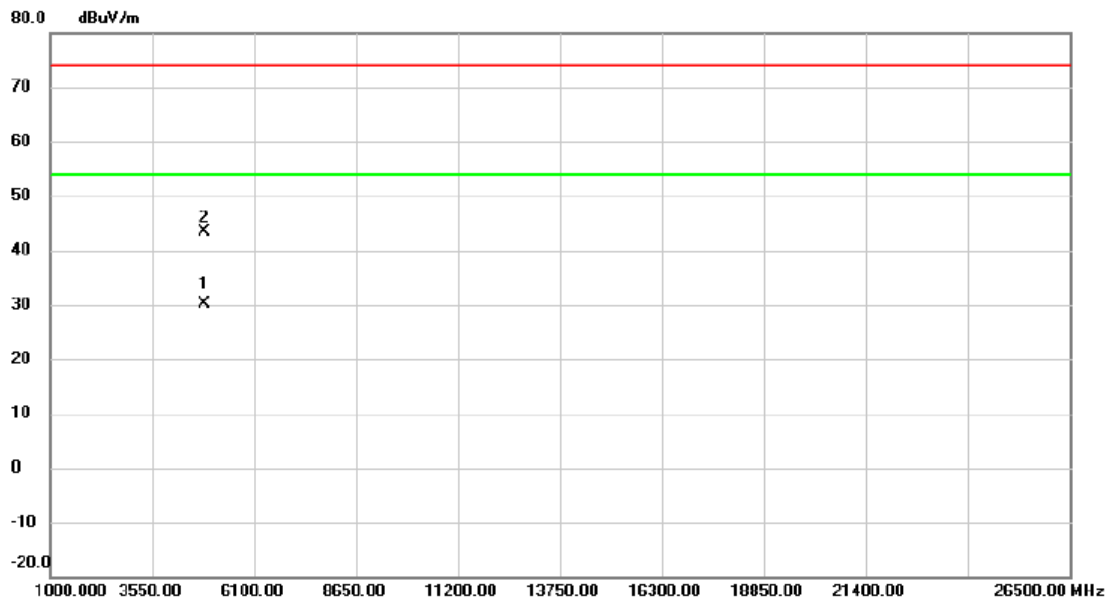
REMARKS:

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

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

Test Mode:	TX N-40M Mode 2427 MHz
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Horizontal



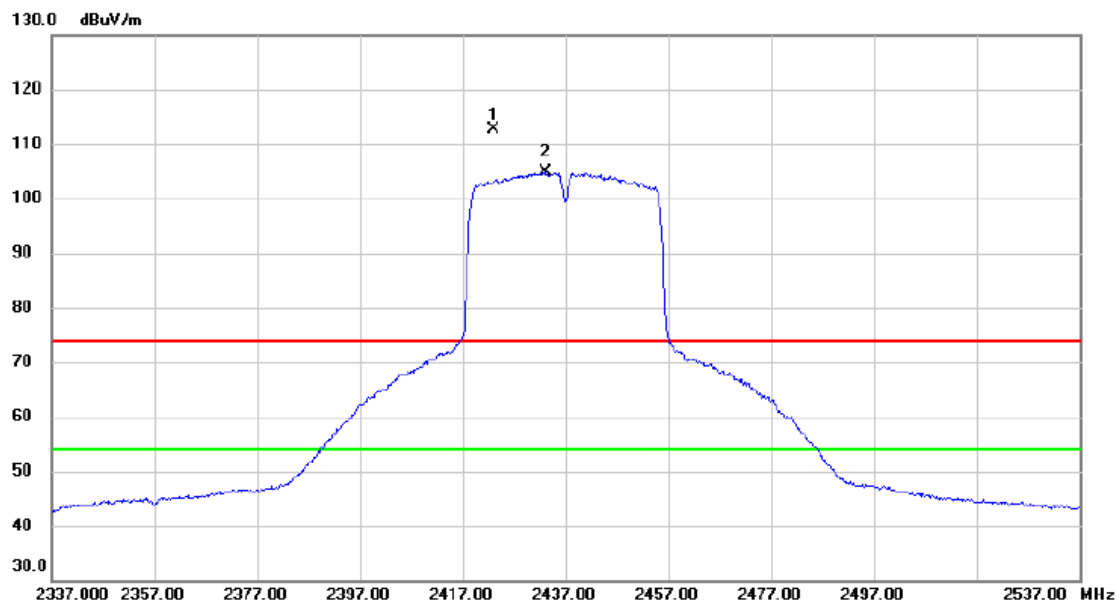
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4854.077	23.33	6.81	30.14	54.00	-23.86	AVG	
2		4854.546	36.58	6.81	43.39	74.00	-30.61	peak	

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.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2423.000	102.16	10.59	112.75	74.00	38.75	peak	No Limit
2	*	2433.000	94.26	10.61	104.87	54.00	50.87	AVG	No Limit

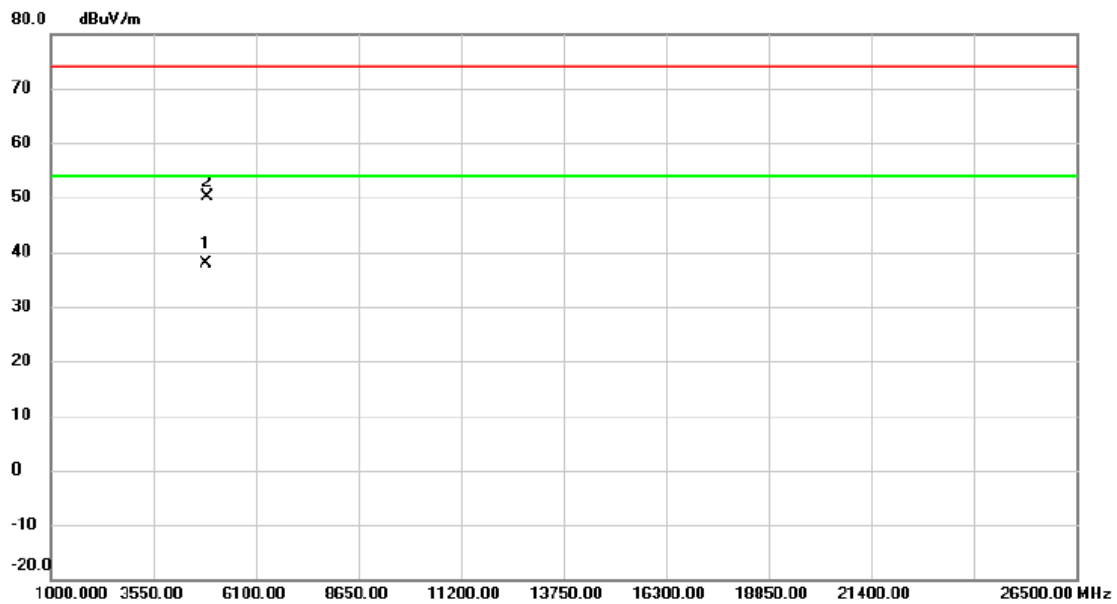
REMARKS:

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

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

Test Mode: TX N-40M Mode 2437 MHz

Vertical



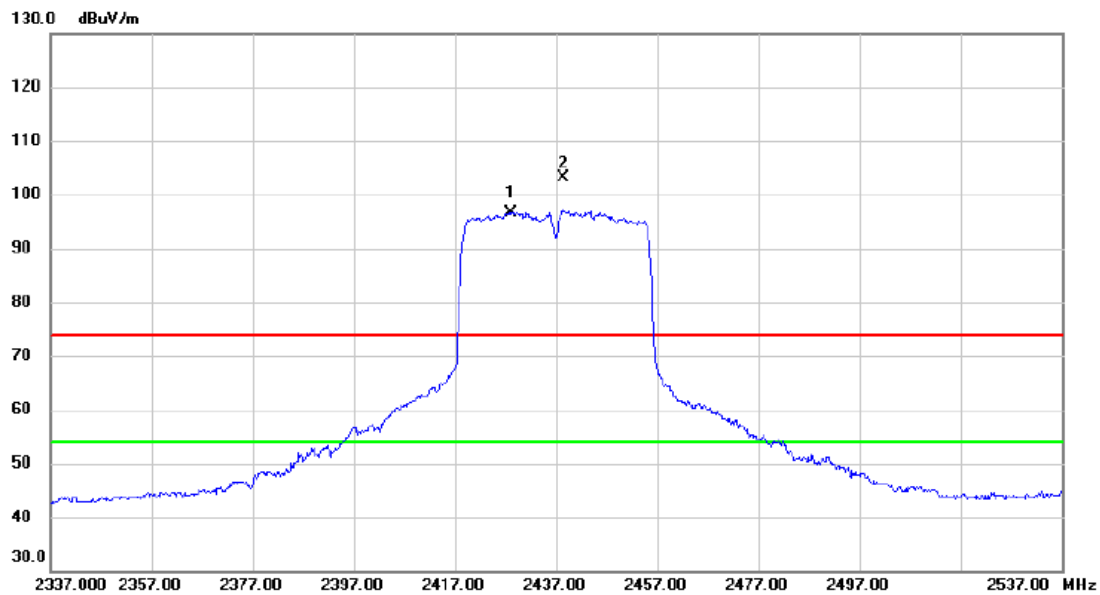
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4875.100	31.30	6.65	37.95	54.00	-16.05	AVG	
2		4879.300	43.50	6.66	50.16	74.00	-23.84	peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Horizontal



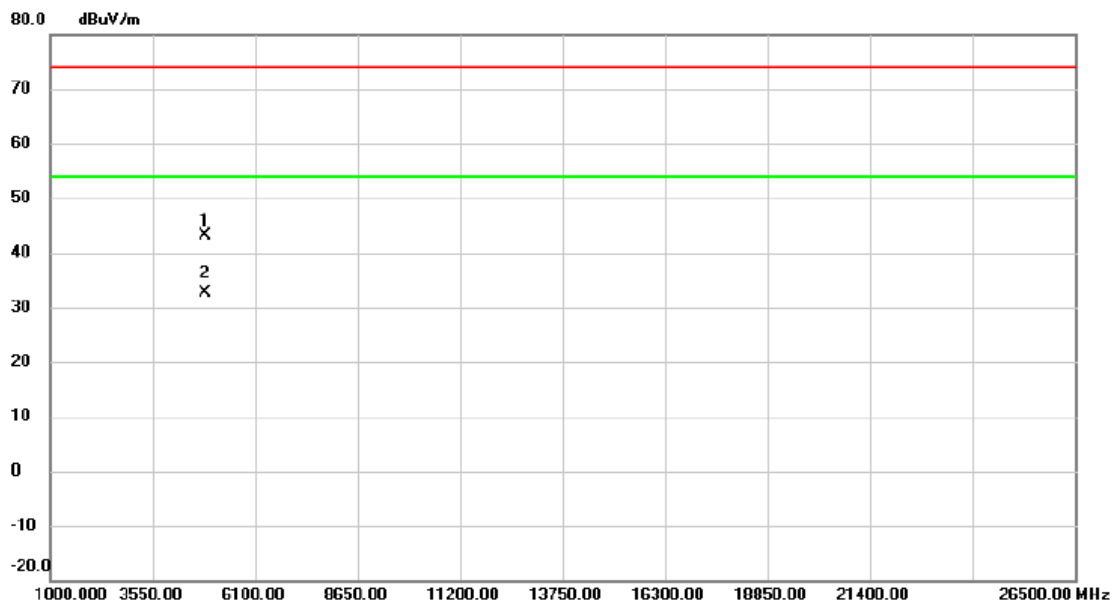
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2428.200	86.11	10.61	96.72	54.00	42.72	AVG	No Limit
2	X	2438.600	92.53	10.63	103.16	74.00	29.16	peak	No Limit

REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Horizontal



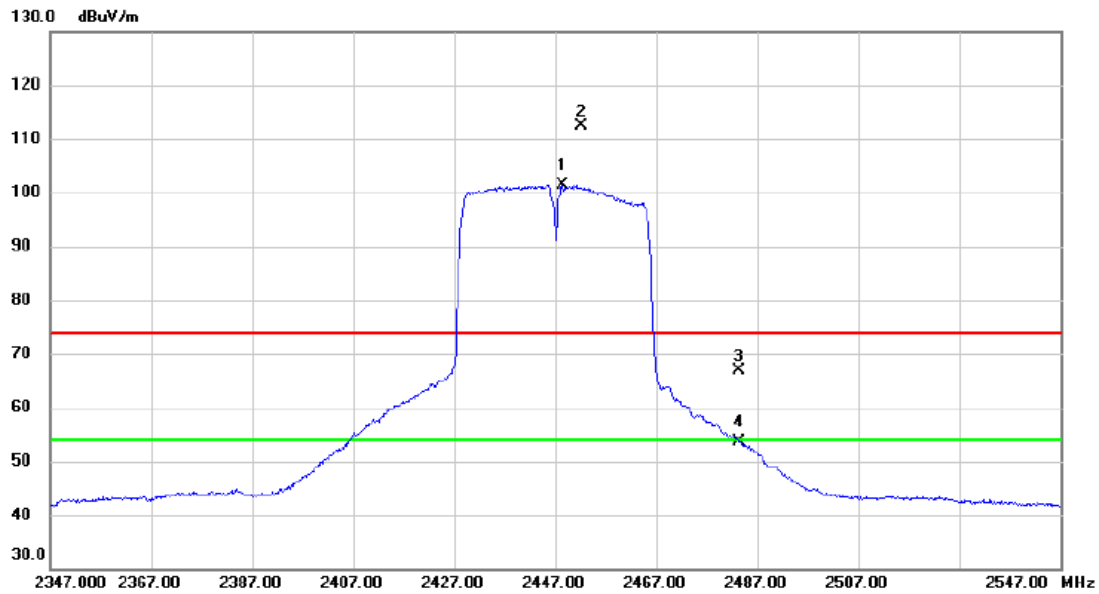
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.310	36.32	6.87	43.19	74.00	-30.81	peak	
2	*	4874.518	25.88	6.87	32.75	54.00	-21.25	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2447 MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2448.400	90.74	10.67	101.41	54.00	47.41	AVG	No Limit
2	X	2452.300	101.82	10.67	112.49	74.00	38.49	peak	No Limit
3		2483.500	56.13	10.76	66.89	74.00	-7.11	peak	
4		2483.500	42.77	10.76	53.53	54.00	-0.47	AVG	

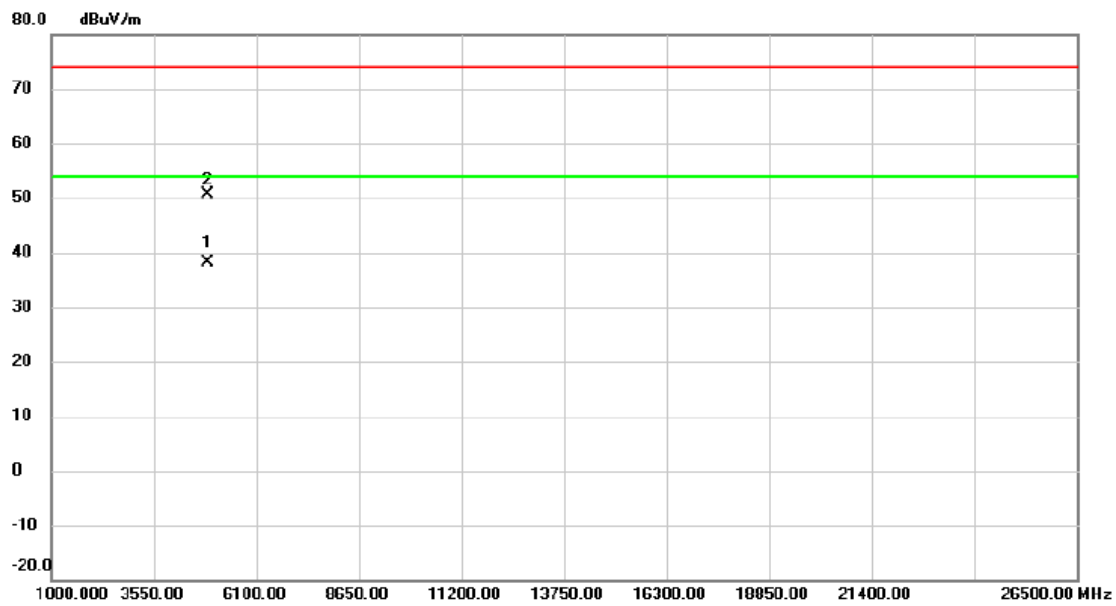
REMARKS:

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

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

Test Mode: TX N-40M Mode 2447 MHz

Vertical



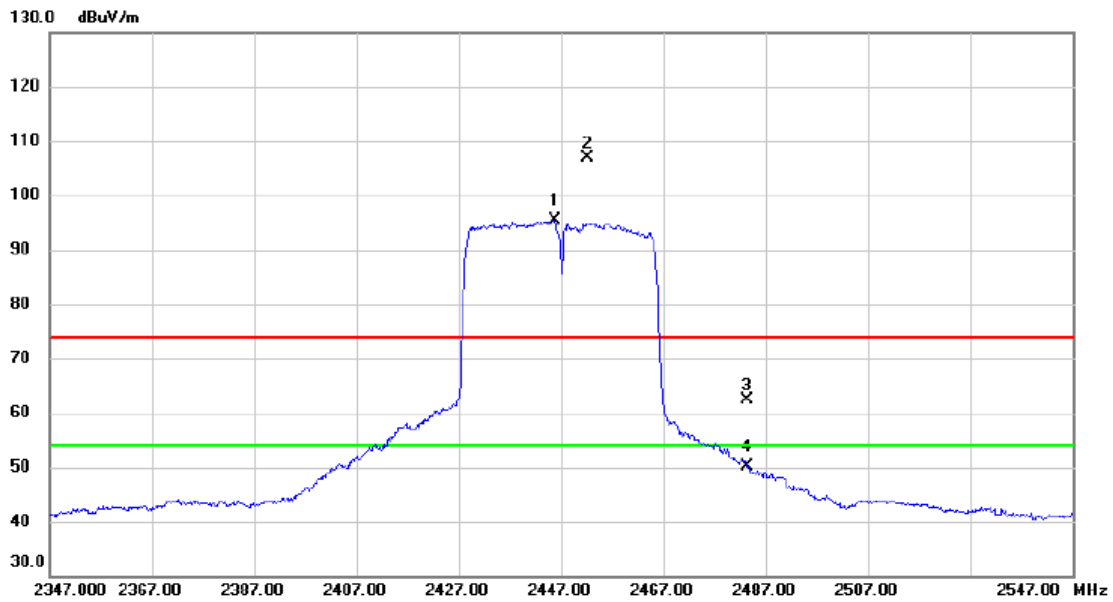
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4893.800	31.33	6.69	38.02	54.00	-15.98	AVG	
2		4901.850	43.96	6.72	50.68	74.00	-23.32	peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2447 MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2445.700	84.74	10.66	95.40	54.00	41.40	AVG	No Limit
2	X	2452.200	96.25	10.66	106.91	74.00	32.91	peak	No Limit
3		2483.500	51.54	10.76	62.30	74.00	-11.70	peak	
4		2483.500	39.27	10.76	50.03	54.00	-3.97	AVG	

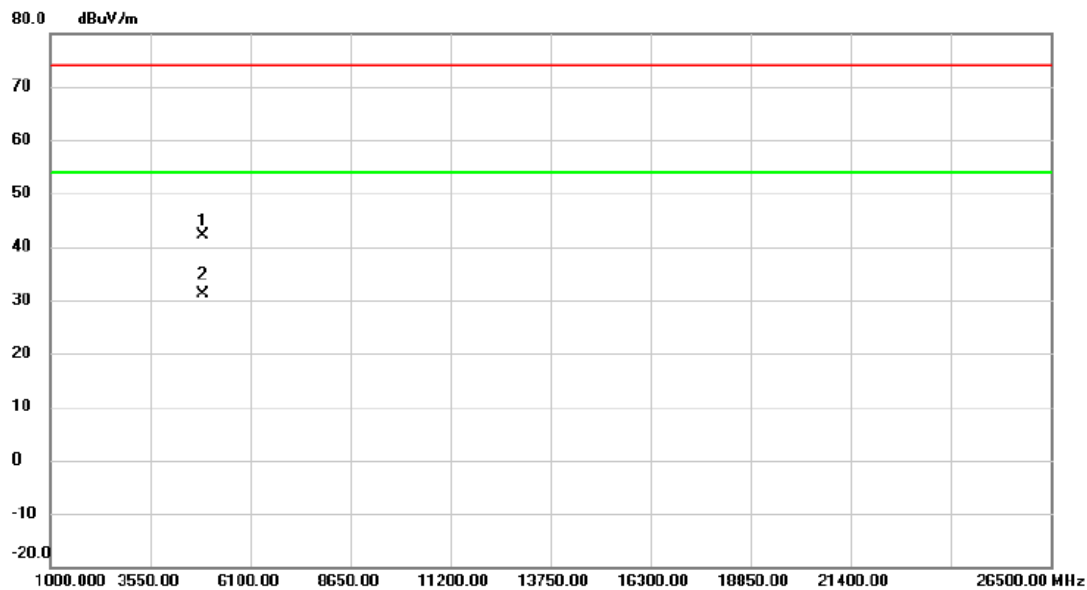
REMARKS:

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

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

Test Mode:	TX N-40M Mode 2447 MHz
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Horizontal



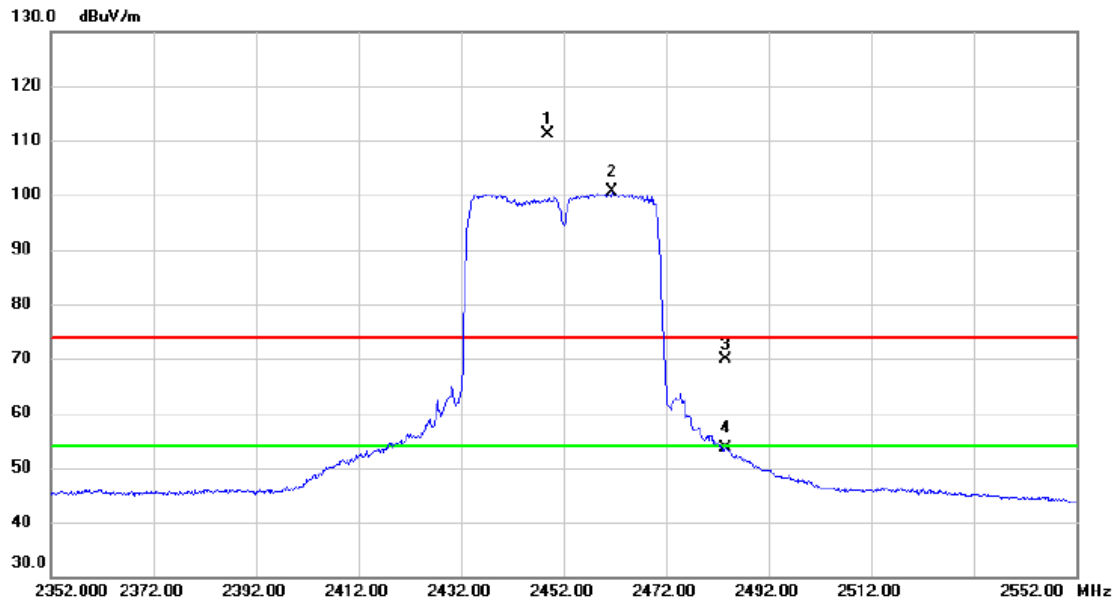
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4894.738	35.12	6.93	42.05	74.00	-31.95	peak	
2	*	4894.773	24.28	6.93	31.21	54.00	-22.79	AVG	

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	2448.900	100.36	10.67	111.03	74.00	37.03	peak	No Limit
2	*	2461.600	89.84	10.71	100.55	54.00	46.55	AVG	No Limit
3		2483.500	59.09	10.76	69.85	74.00	-4.15	peak	
4		2483.500	42.89	10.76	53.65	54.00	-0.35	AVG	

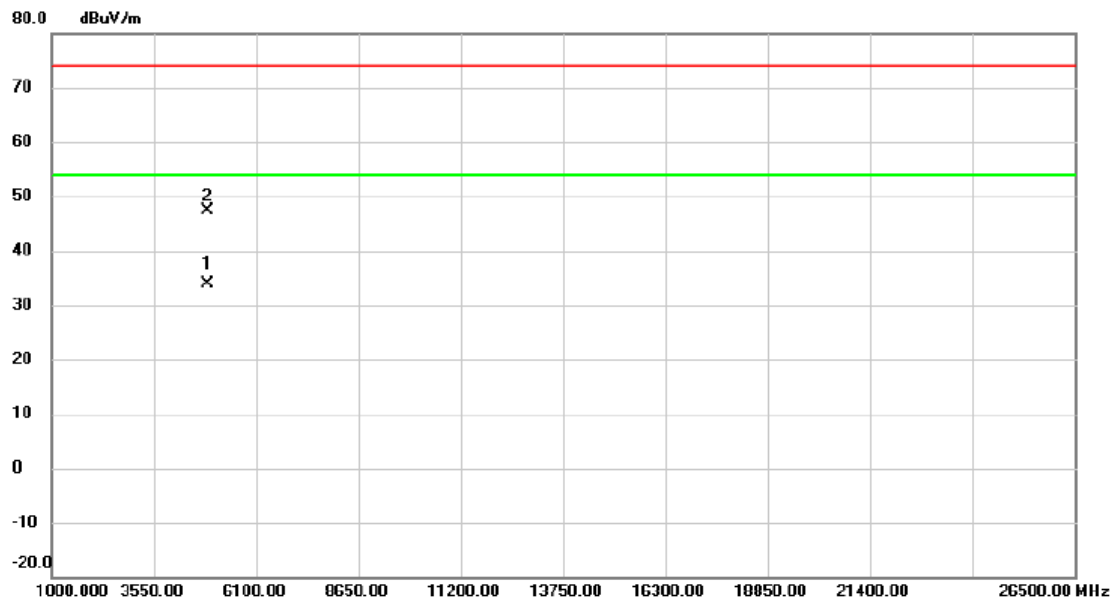
REMARKS:

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

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

Test Mode: TX N-40M Mode 2452 MHz

Vertical



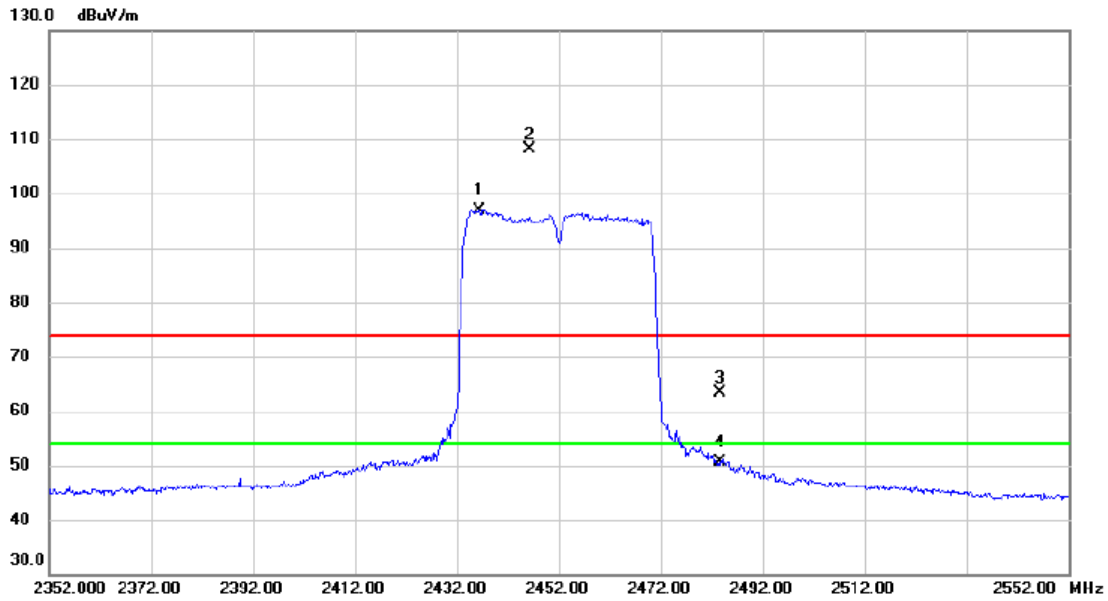
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4903.972	27.08	6.73	33.81	54.00	-20.19	AVG	
2		4904.845	40.67	6.73	47.40	74.00	-26.60	peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

Horizontal



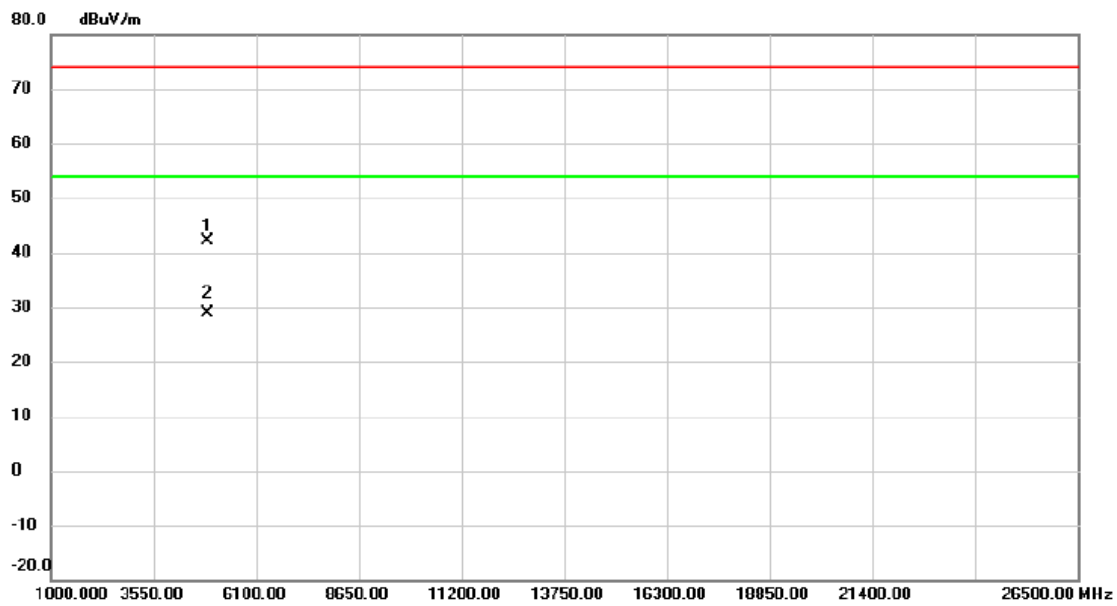
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2436.500	86.35	10.63	96.98	54.00	42.98	AVG	No Limit
2	X	2446.300	97.42	10.66	108.08	74.00	34.08	peak	No Limit
3		2483.500	52.65	10.76	63.41	74.00	-10.59	peak	
4		2483.500	39.89	10.76	50.65	54.00	-3.35	AVG	

REMARKS:

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

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



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4903.728	35.19	6.97	42.16	74.00	-31.84	peak	
2	*	4904.864	21.82	6.97	28.79	54.00	-25.21	AVG	

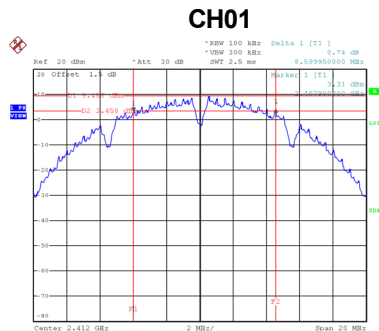
REMARKS:

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

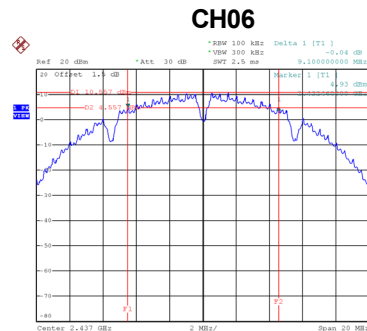
APPENDIX E - BANDWIDTH

Test Mode	TX B Mode
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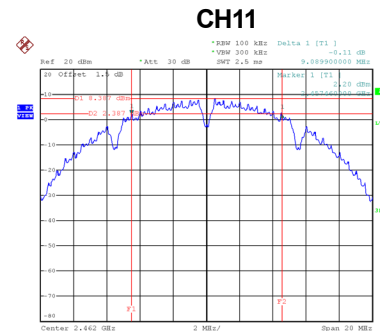
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	8.60	500	Complies
06	2437	9.10	500	Complies
11	2462	9.09	500	Complies



Date: 3.JUN.2020 15:54:31

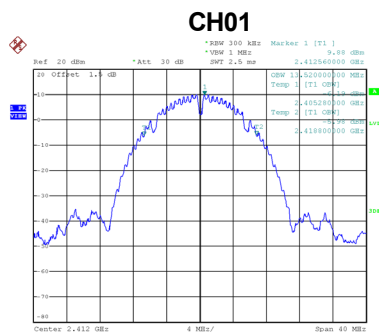


Date: 3.JUN.2020 15:56:51

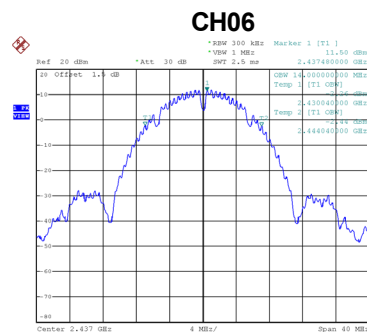


Date: 3.JUN.2020 15:59:20

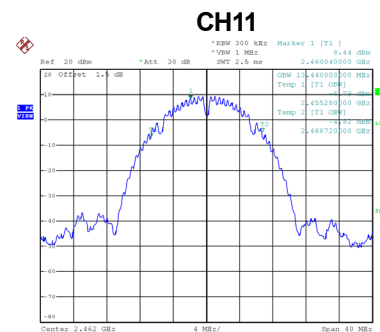
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	13.52	Complies
06	2437	14.00	Complies
11	2462	13.44	Complies



Date: 3.JUN.2020 15:54:39



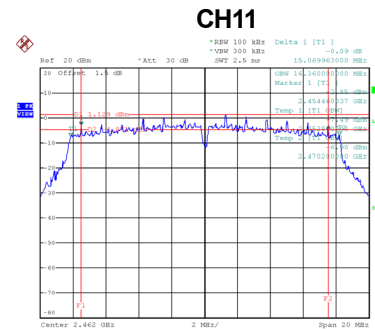
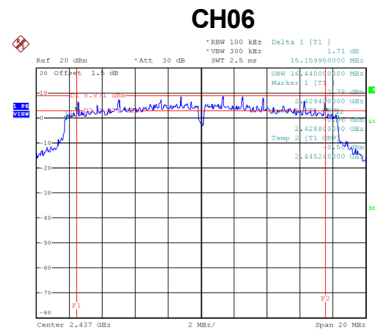
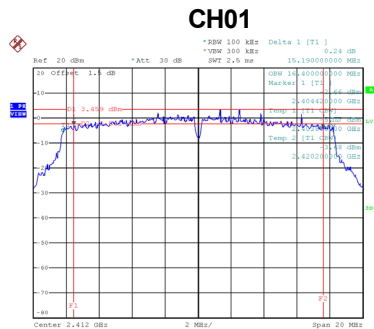
Date: 3.JUN.2020 15:56:59



Date: 3.JUN.2020 15:59:28

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	15.19	500	Complies
06	2437	15.16	500	Complies
11	2462	15.07	500	Complies



Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	16.80	Complies
06	2437	18.08	Complies
11	2462	16.72	Complies

