

FCC Radio Test Report

FCC ID: TE7X20V2

This report concerns: Original Grant

Project No. : 2004C022
Equipment : AX1800 Whole Home Mesh Wi-Fi 6 System
Brand Name : tp-link
Test Model : Deco X20
Series Model : Deco X25
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 : Apr. 07, 2020
Date of Test : Apr. 09, 2020 ~ Jun. 11, 2020
Issued Date : Jun. 29, 2020
Report Version : R00
Test Sample : Engineering Sample No.: DG2020040754 for conducted, DG2020040755 for radiated.
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.


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Limitation

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

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

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Jun. 29, 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	Sheldon Ou
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V/60Hz	Sheldon Ou
Radiated Emissions-30 MHz to 1GHz	24°C	68%	AC 120V/60Hz	Sheldon Ou
Radiated Emissions-Above 1000 MHz	25°C	60%	AC 120V/60Hz	Sheldon Ou
Bandwidth	26°C	48%	AC 120V/60Hz	Hayden Chen
Maximum Average Output Power	26°C	48%	AC 120V/60Hz	Laughing Zhang
Conducted Spurious Emissions	26°C	48%	AC 120V/60Hz	Hayden Chen
Power Spectral Density	26°C	48%	AC 120V/60Hz	Hayden Chen

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AX1800 Whole Home Mesh Wi-Fi 6 System
Brand Name	tp-link
Test Model	Deco X20
Series Model	Deco X25
Model Difference(s)	Only differ in model name and the shell cover design.
Power Source	DC voltage supplied from AC adapter. Model: T120120-2B4
Power Rating	I/P: 100-240V ~50/60Hz, 0.4A O/P: 12V \equiv 1.2A
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM IEEE 802.11ax: OFDMA
Bit Rate of Transmitter	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps IEEE 802.11ax: up to 573.6 Mbps
Maximum Average Output Power	IEEE 802.11b: 28.11 dBm (0.6471 W) IEEE 802.11g: 28.06 dBm (0.6397 W) IEEE 802.11n (HT20): 27.92 dBm (0.6194 W) IEEE 802.11n (HT40): 23.28 dBm (0.2128 W) IEEE 802.11ax (HEW20): 28.00 dBm (0.6310 W) IEEE 802.11ax (HEW40): 22.25 dBm (0.1679 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 802.11ax (HEW20) CH03 - CH09 for IEEE 802.11n (HT40), IEEE 802.11ax (HEW40)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1		N/A	Dipole	I-PEX	1.93
2		N/A	Dipole	I-PEX	1.94

Note:

This EUT supports CDD, and antenna gains are not equal, so

$$\text{Directional gain} = 10 \log \left[\frac{10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20}}{2} \right] \text{dBi} = 10 \log \left[\frac{10^{1.93/20} + 10^{1.94/20}}{2} \right] = 4.95 \text{dB}.$$

4. Table for Antenna Configuration:

Operating Mode	TX Mode	2TX
802.11b		V (Ant. 1 + Ant. 2)
802.11g		V (Ant. 1 + Ant. 2)
IEEE 802.11n (HT20)		V (Ant. 1 + Ant. 2)
IEEE 802.11n (HT40)		V (Ant. 1 + Ant. 2)
IEEE 802.11ax (HEW20)		V (Ant. 1 + Ant. 2)
IEEE 802.11ax (HEW40)		V (Ant. 1 + Ant. 2)

2.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09
Mode 5	TX AX-20 MHz Mode Channel 01/06/11
Mode 6	TX AX-40 MHz Mode Channel 03/06/09
Mode 7	TX B Mode Channel 11
Mode 8	TX B Mode Channel 01/02/06/10/11
Mode 9	TX G Mode Channel 01/02/06/10/11
Mode 10	TX N-20 MHz Mode Channel 01/02/06/10/11
Mode 11	TX N-40 MHz Mode Channel 03/04/06/08/09
Mode 12	TX AX-20 MHz Mode Channel 01/02/06/10/11
Mode 13	TX AX-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 7	TX B Mode Channel 11

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 7	TX B Mode Channel 11

Radiated emissions test- Above 1GHz	
Final Test Mode	Description
Mode 8	TX B Mode Channel 01/02/06/10/11
Mode 9	TX G Mode Channel 01/02/06/10/11
Mode 10	TX N-20 MHz Mode Channel 01/02/06/10/11
Mode 11	TX N-40 MHz Mode Channel 03/04/06/08/09
Mode 12	TX AX-20 MHz Mode Channel 01/02/06/10/11
Mode 13	TX AX-40 MHz Mode Channel 03/04/06/08/09

Conducted test	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09
Mode 5	TX AX-20 MHz Mode Channel 01/06/11
Mode 6	TX AX-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 11 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) 802.11ax full RU mode was evaluated and measured inside report.

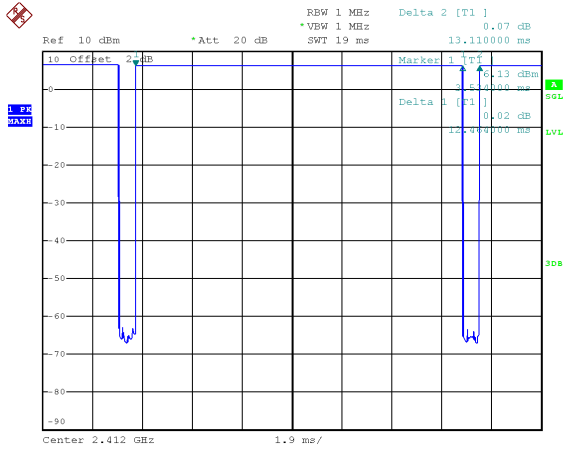
2.3 PARAMETERS OF TEST SOFTWARE

Test Software	accessMTool_REL_3_0_0_6		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	93	94	94
IEEE 802.11g	78	97	75
IEEE 802.11n (HT20)	71	98	70
IEEE 802.11ax (HEW20)	68	97	65
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	66	78	61
IEEE 802.11ax (HEW40)	62	73	61

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.

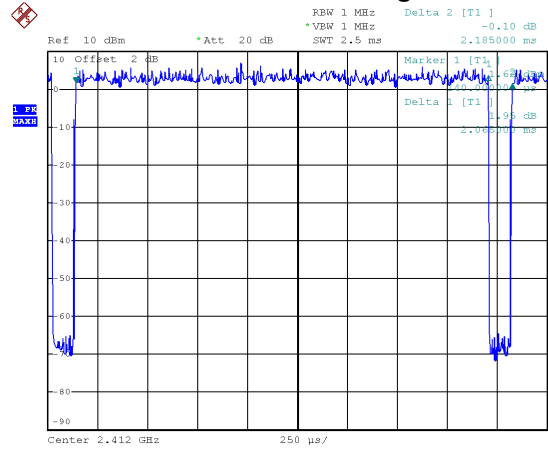
IEEE 802.11b



Date: 13.APR.2020 17:22:49

Duty cycle = 12.464 ms / 13.110 ms = 95.07%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.22$

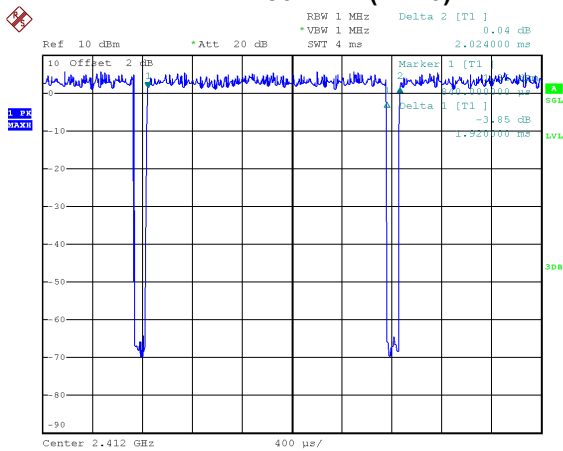
IEEE 802.11g



Date: 13.APR.2020 17:23:13

Duty cycle = 2.065 ms / 2.185 ms = 94.51%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.25$

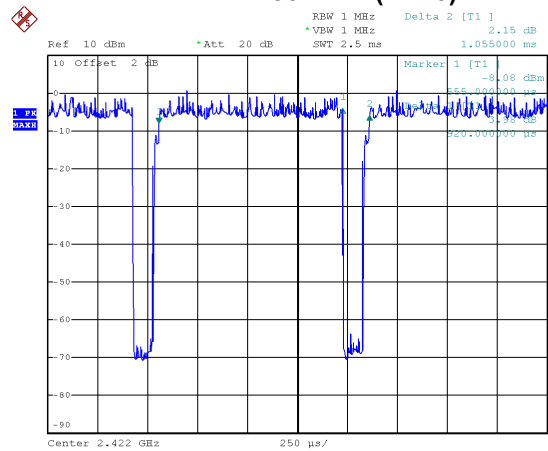
IEEE 802.11n (HT20)



Date: 13.APR.2020 17:23:37

Duty cycle = 1.920 ms / 2.024 ms = 94.86%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.23$

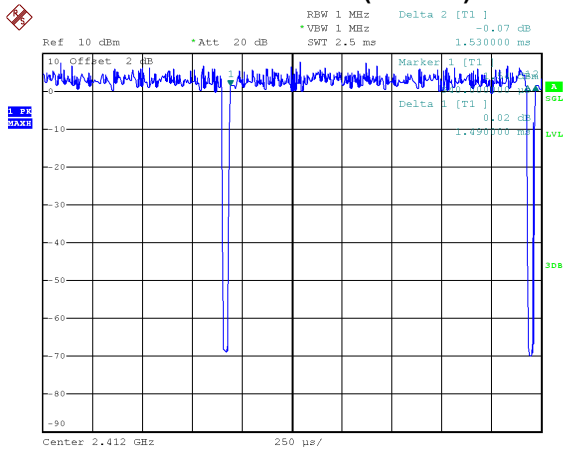
IEEE 802.11n (HT40)



Date: 13.APR.2020 17:24:20

Duty cycle = 0.920 ms / 1.055 ms = 87.20%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.59$

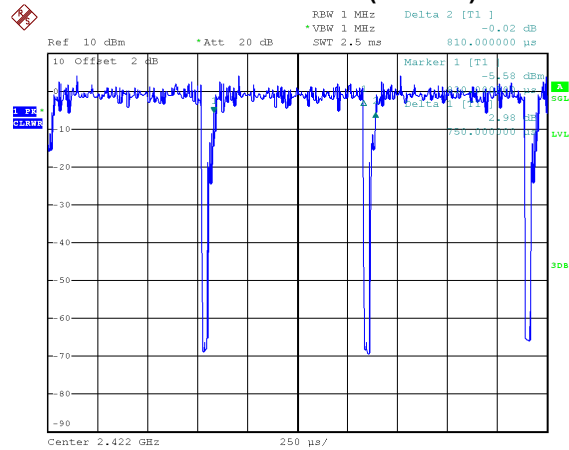
IEEE 802.11ax (HEW20)



Date: 13.APR.2020 17:24:45

Duty cycle = 1.490 ms / 1.530 ms = 97.39%
 Duty Factor = 10 log(1/Duty cycle) = 0.12

IEEE 802.11ax (HEW40)



Date: 13.APR.2020 17:24:59

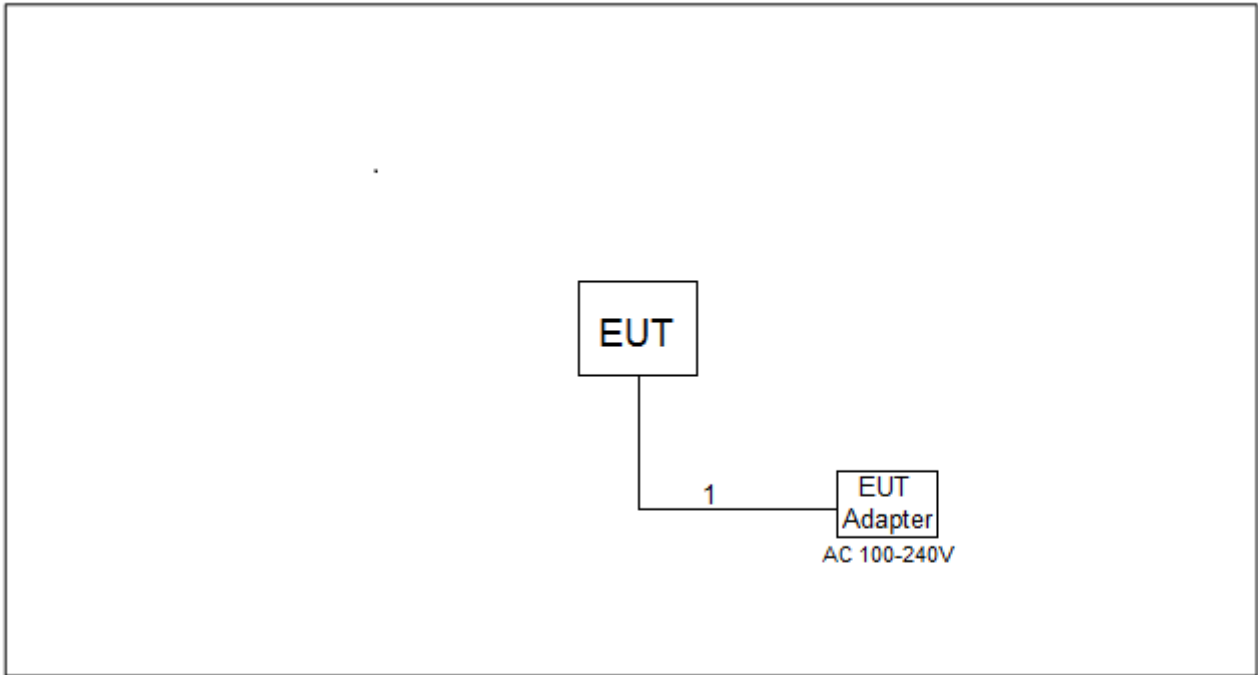
Duty cycle = 0.750 ms / 0.810 ms = 92.59%
 Duty Factor = 10 log(1/Duty cycle) = 0.33

NOTE:

For IEEE 802.11b, IEEE 802.11g, IEEE 802.11n (HT20) and IEEE 802.11ax (HEW20):
 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) and IEEE 802.11ax (HEW40):
 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.
-	-	-	-	-

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.2m

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

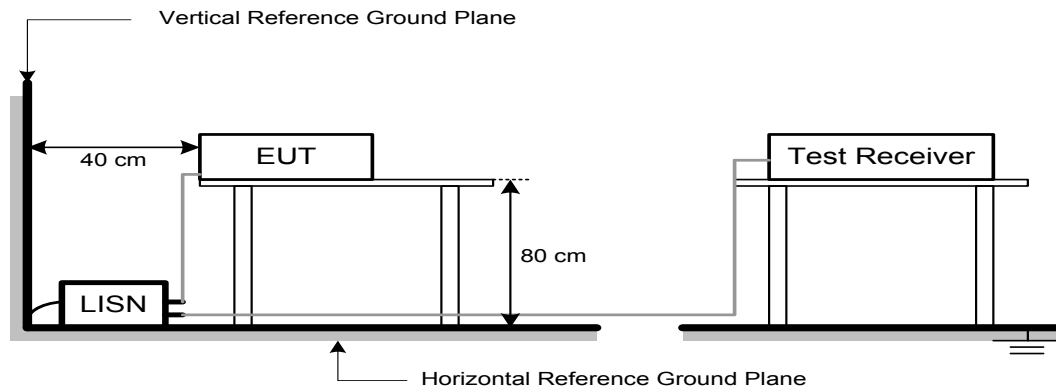
3.2 TEST PROCEDURE

- 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

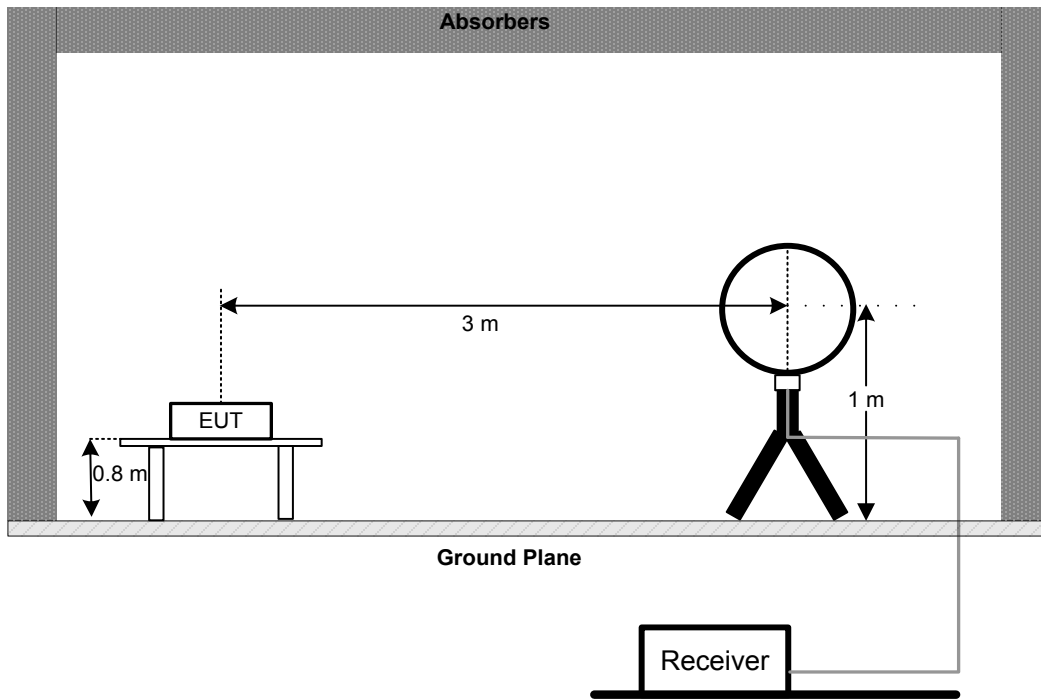
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b. The measuring distance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

4.3 DEVIATION FROM TEST STANDARD

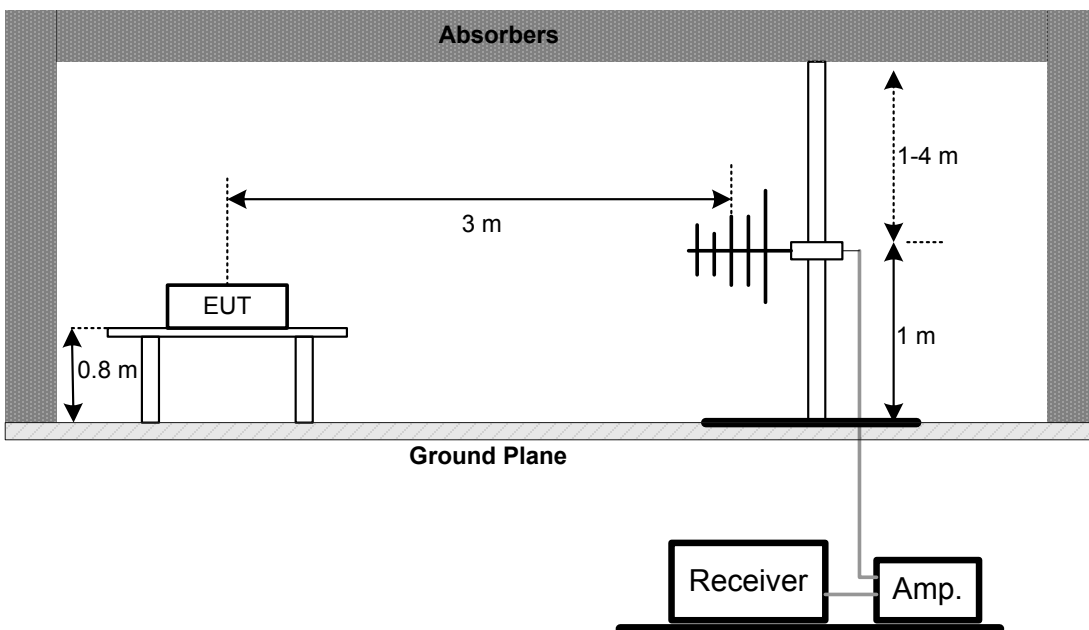
No deviation

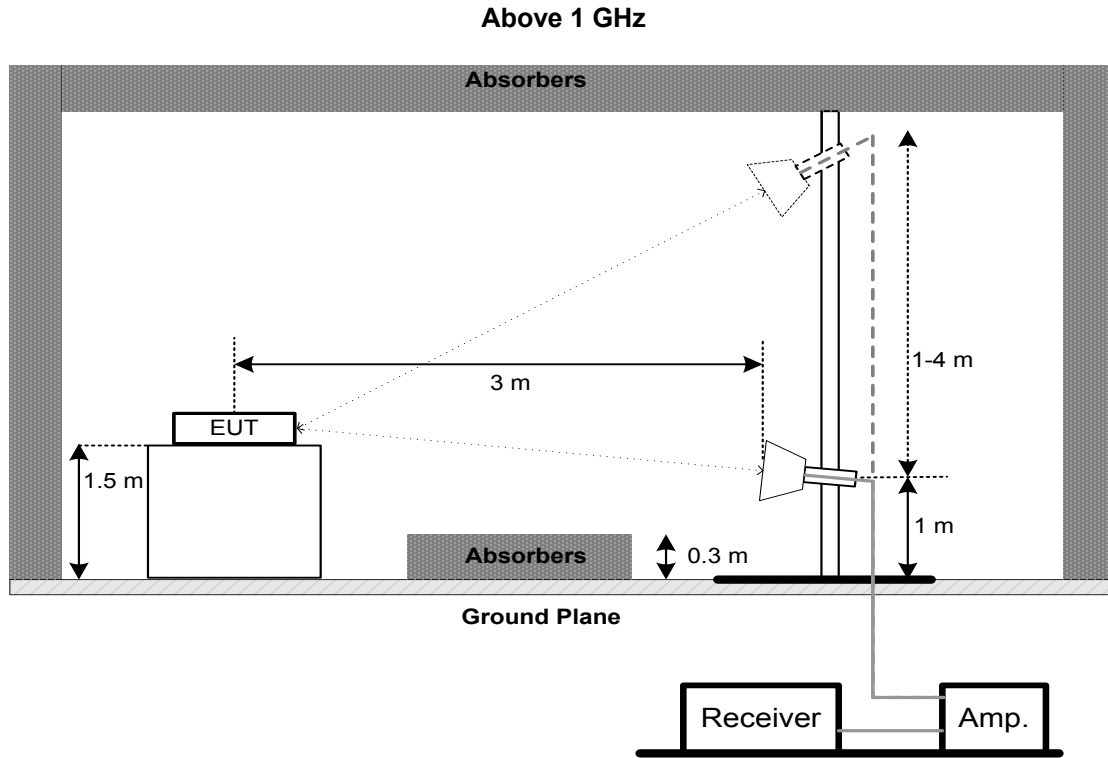
4.4 TEST SETUP

9 kHz-30 MHz



30 MHz to 1 GHz





4.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B

Remark:

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

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

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

5. BANDWIDTH TEST

5.1 LIMIT

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

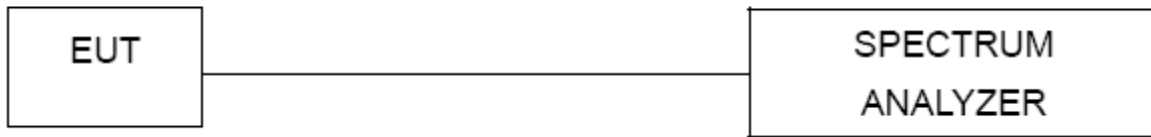
5.2 TEST PROCEDURE

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

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM 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.

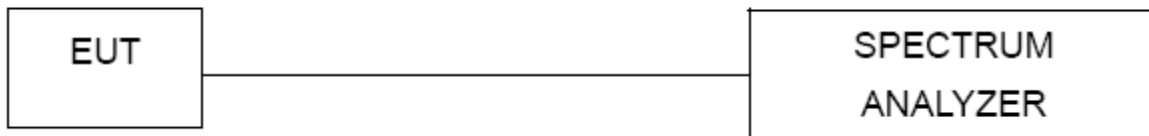
7.2 TEST PROCEDURE

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

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8. POWER SPECTRAL DENSITY TEST

8.1 LIMIT

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

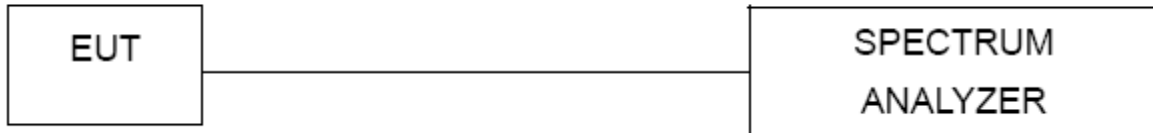
8.2 TEST PROCEDURE

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

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

9. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	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-6000	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

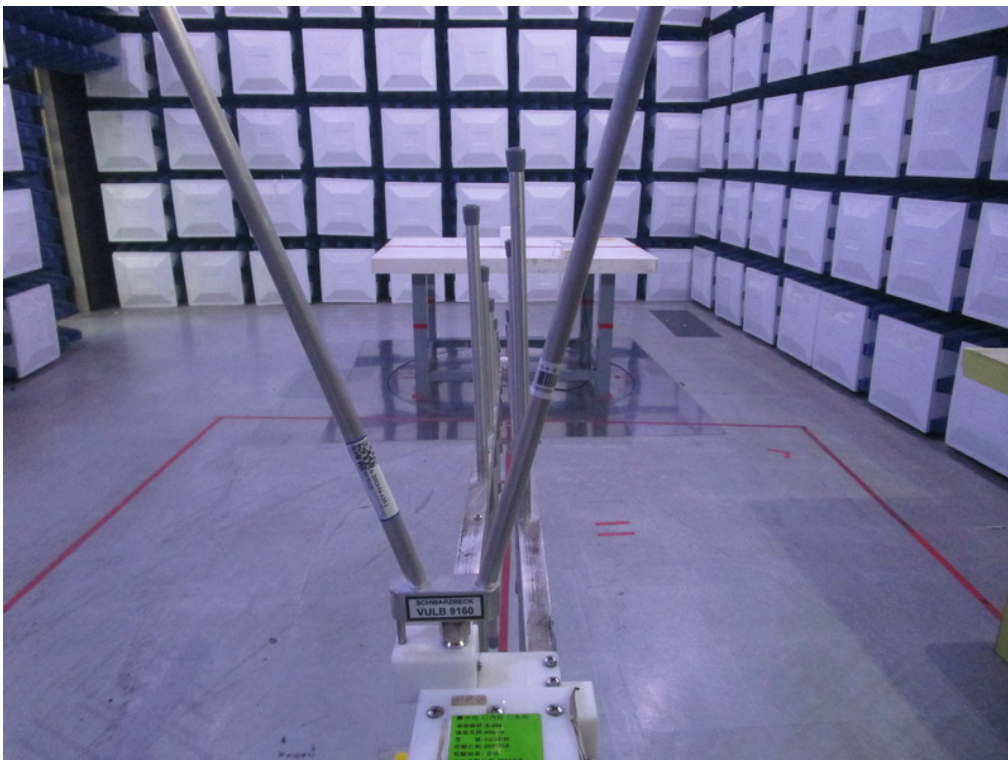
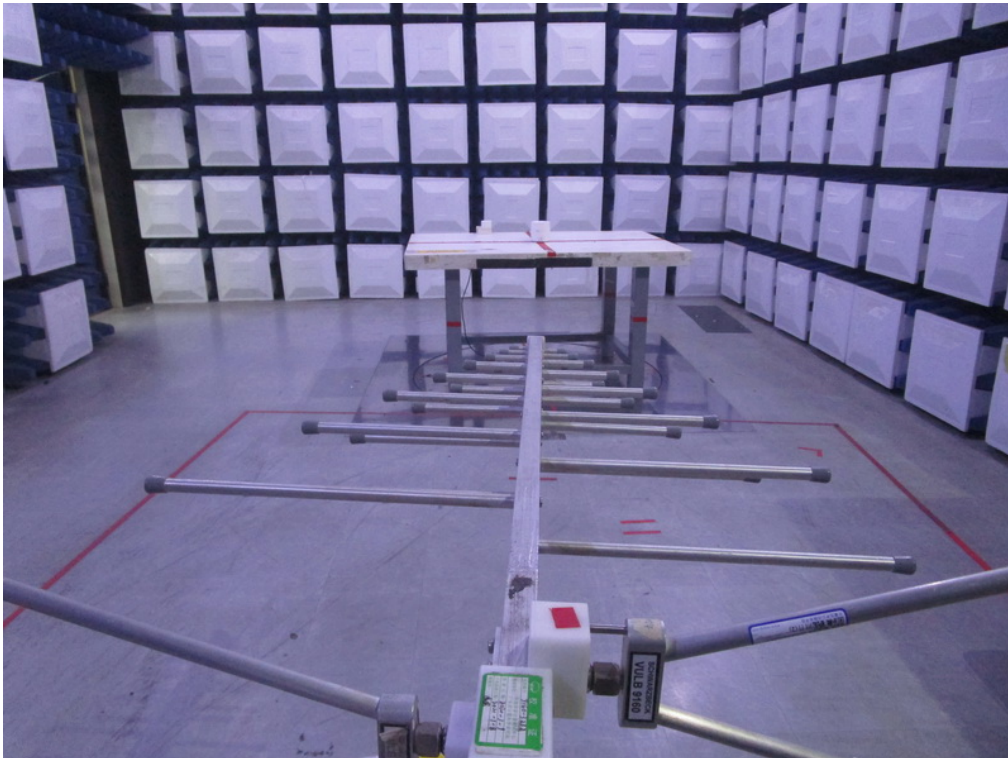
Remark: "N/A" denotes no model name, serial no. or calibration specified.

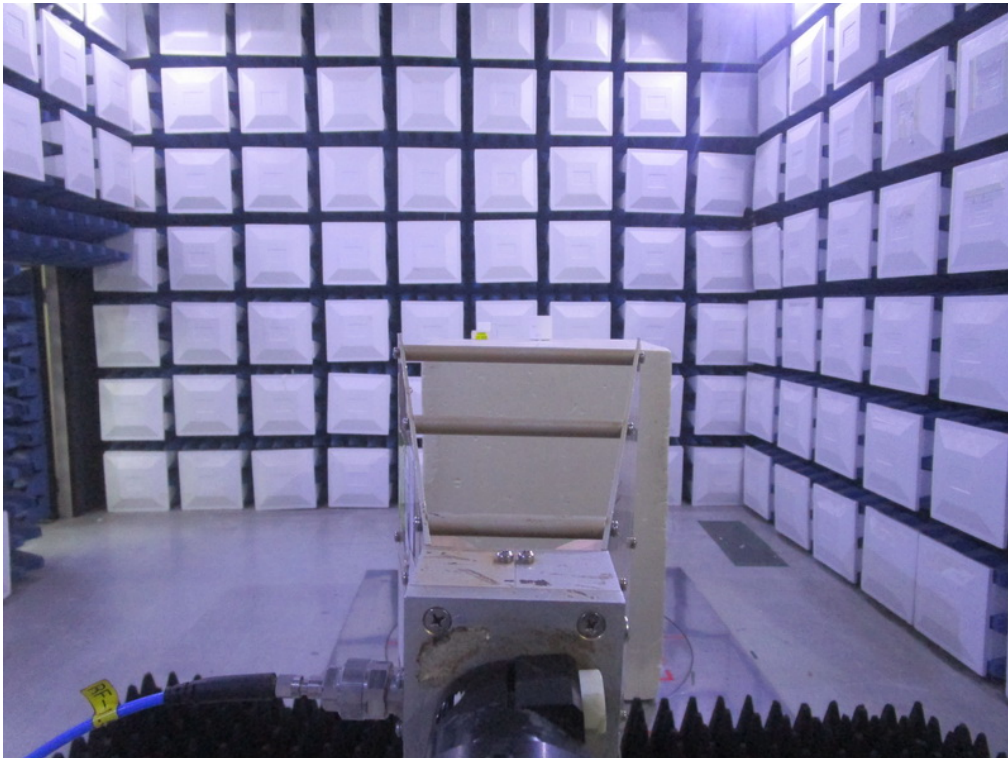
"*" calibration period of equipment list is three year.

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**

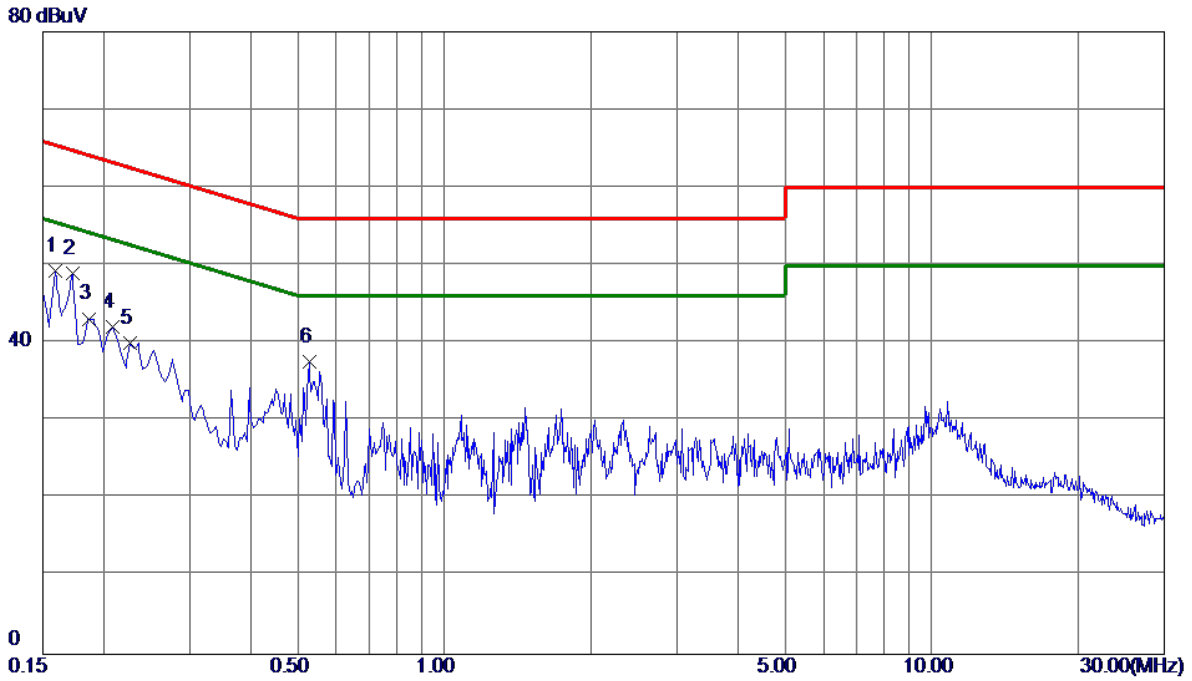
Radiated Emissions Test Photos**30 MHz to 1 GHz**

Radiated Emissions Test Photos**Above 1 GHz**

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode: TX B Mode Channel 11

Line



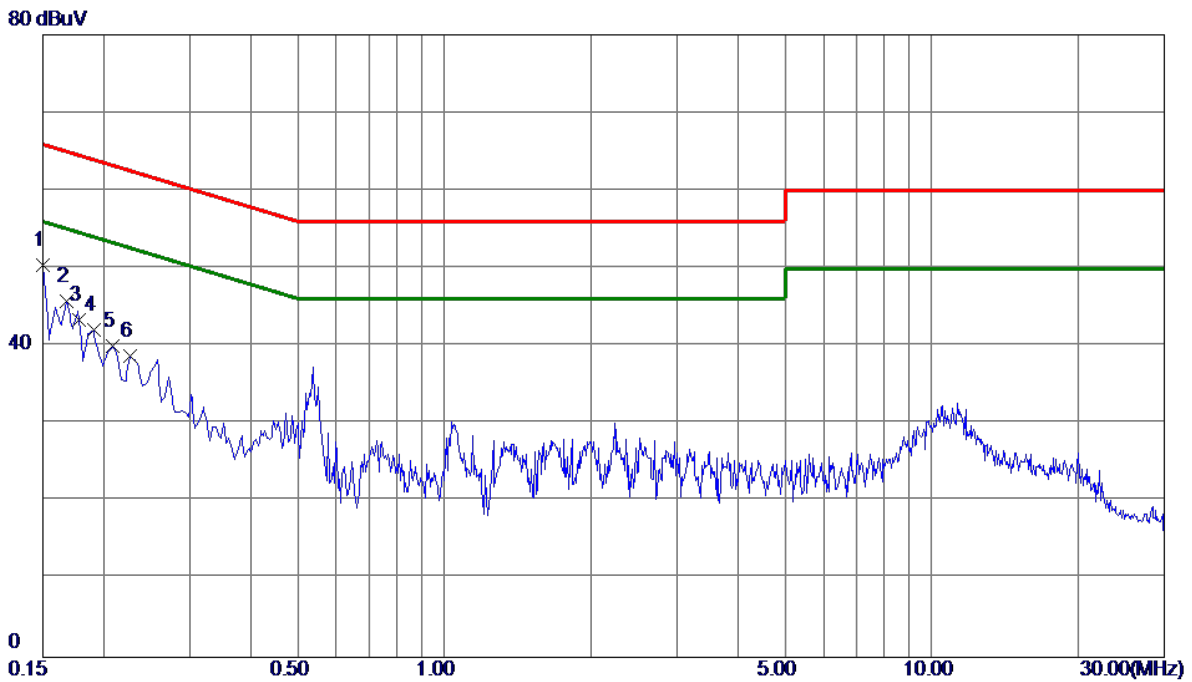
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1590	39.51	9.74	49.25	65.52	-16.27	Peak	
2 *	0.1725	39.16	9.83	48.99	64.84	-15.85	Peak	
3	0.1860	33.25	9.87	43.12	64.21	-21.09	Peak	
4	0.2085	32.19	9.90	42.09	63.26	-21.17	Peak	
5	0.2265	30.11	9.89	40.00	62.58	-22.58	Peak	
6	0.5280	27.60	9.95	37.55	56.00	-18.45	Peak	

REMARKS:

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

Test Mode: TX B Mode Channel 11

Neutral



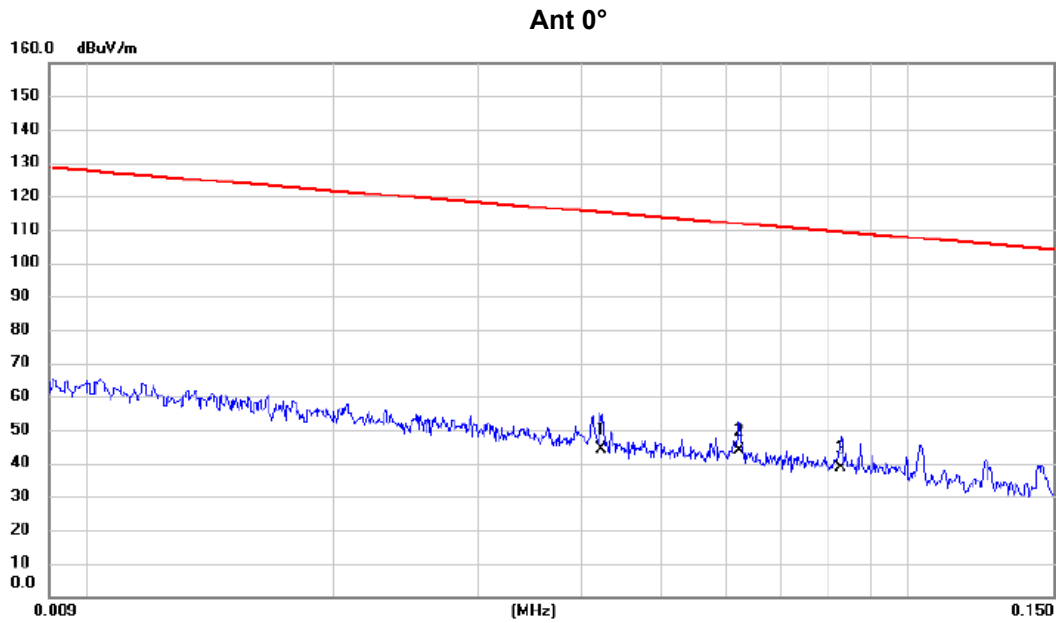
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1500	40.62	9.74	50.36	66.00	-15.64	Peak	
2	0.1680	35.86	9.88	45.74	65.06	-19.32	Peak	
3	0.1777	33.48	9.93	43.41	64.59	-21.18	Peak	
4	0.1905	32.07	9.97	42.04	64.01	-21.97	Peak	
5	0.2085	29.97	10.00	39.97	63.26	-23.29	Peak	
6	0.2265	28.71	9.99	38.70	62.58	-23.88	Peak	

REMARKS:

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

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode: TX B Mode Channel 11



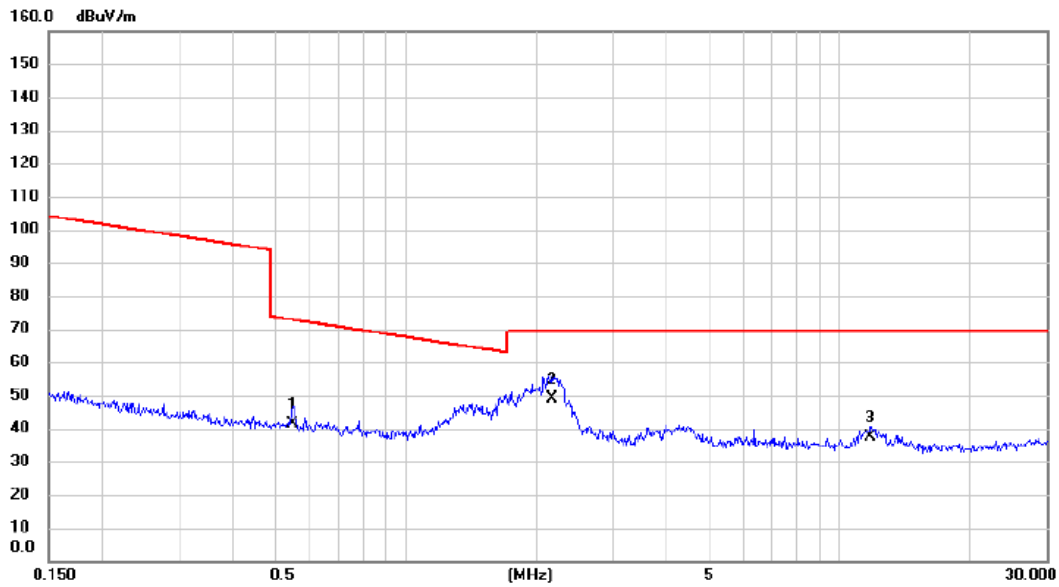
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0423	31.82	12.54	44.36	115.08	-70.72	AVG	
2	*	0.0622	31.46	12.40	43.86	111.73	-67.87	AVG	
3		0.0827	26.00	12.54	38.54	109.25	-70.71	AVG	

REMARKS:

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

Test Mode: TX B Mode Channel 11

Ant 0°



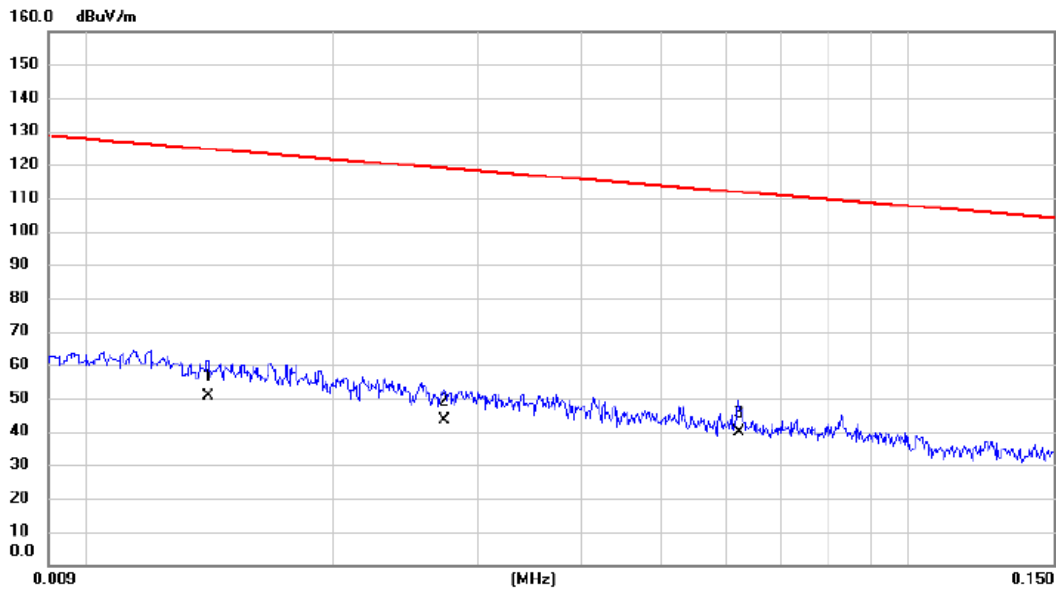
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.5493	29.74	11.74	41.48	72.81	-31.33	QP	
2	*	2.1668	37.94	10.92	48.86	69.54	-20.68	QP	
3		11.8070	26.41	10.89	37.30	69.54	-32.24	QP	

REMARKS:

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

Test Mode: TX B Mode Channel 11

Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0141	35.73	14.95	50.68	124.62	-73.94	AVG	
2		0.0273	30.67	12.93	43.60	118.88	-75.28	AVG	
3	*	0.0622	27.24	12.40	39.64	111.73	-72.09	AVG	

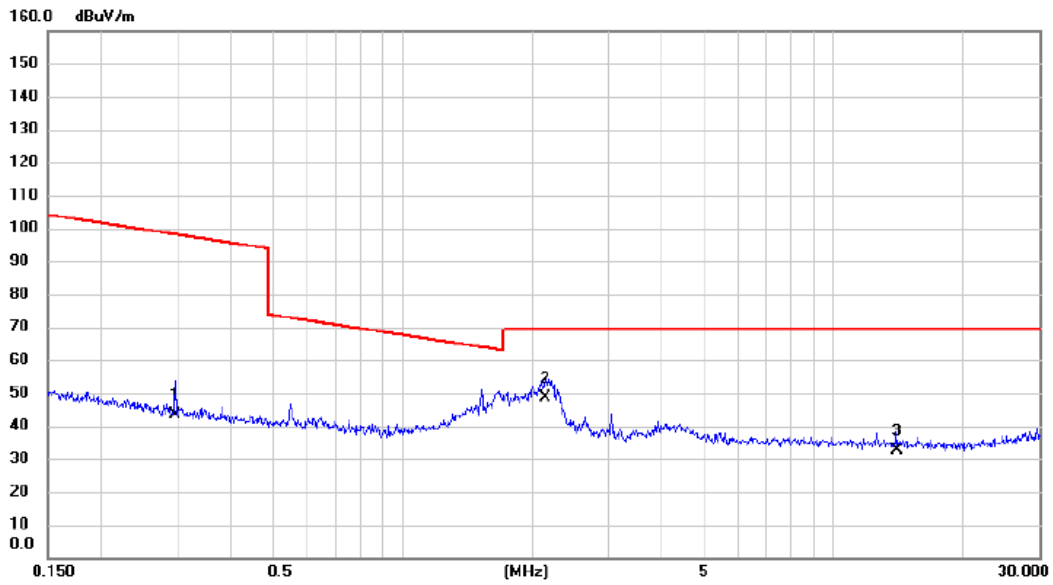
REMARKS:

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

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

Test Mode: TX B Mode Channel 11

Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2971	30.88	12.37	43.25	98.15	-54.90	AVG	
2	*	2.1440	37.84	10.93	48.77	69.54	-20.77	QP	
3		13.9886	21.64	10.95	32.59	69.54	-36.95	QP	

REMARKS:

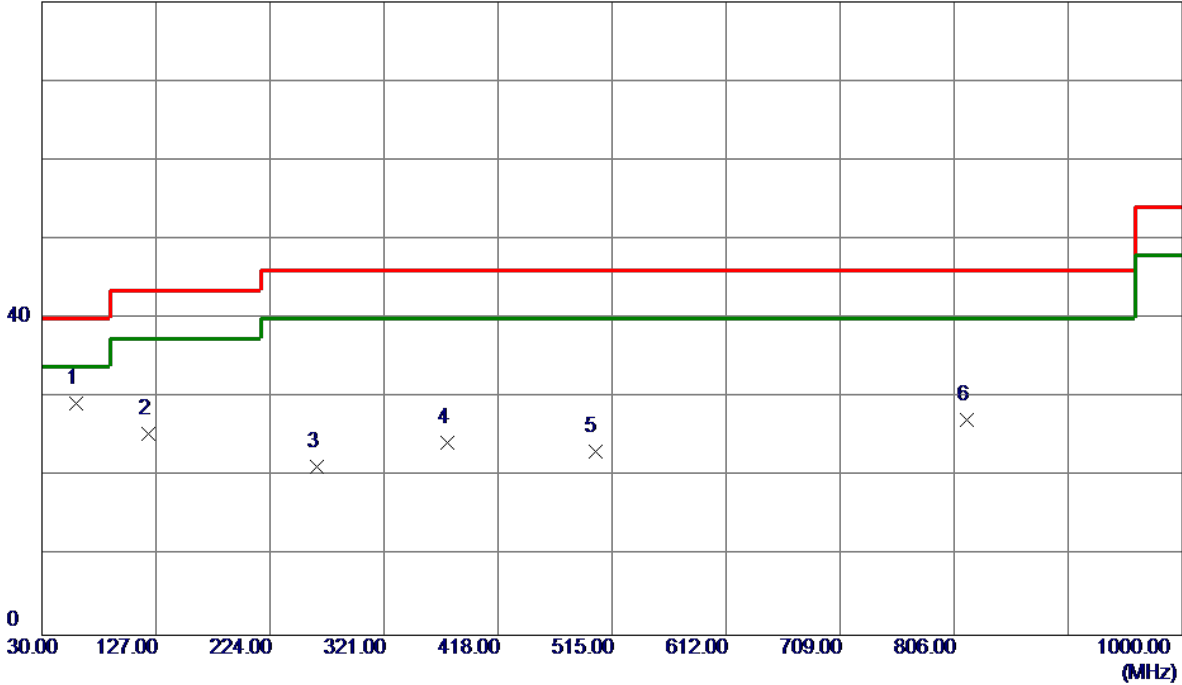
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode: TX B Mode Channel 11

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	59.1000	43.97	-14.65	29.32	40.00	-10.68	Peak	
2	120.2100	38.53	-13.12	25.41	43.50	-18.09	Peak	
3	263.7700	34.31	-12.97	21.34	46.00	-24.66	Peak	
4	375.3200	34.68	-10.29	24.39	46.00	-21.61	Peak	
5	500.4500	31.24	-8.03	23.21	46.00	-22.79	Peak	
6	816.6700	30.43	-3.21	27.22	46.00	-18.78	Peak	

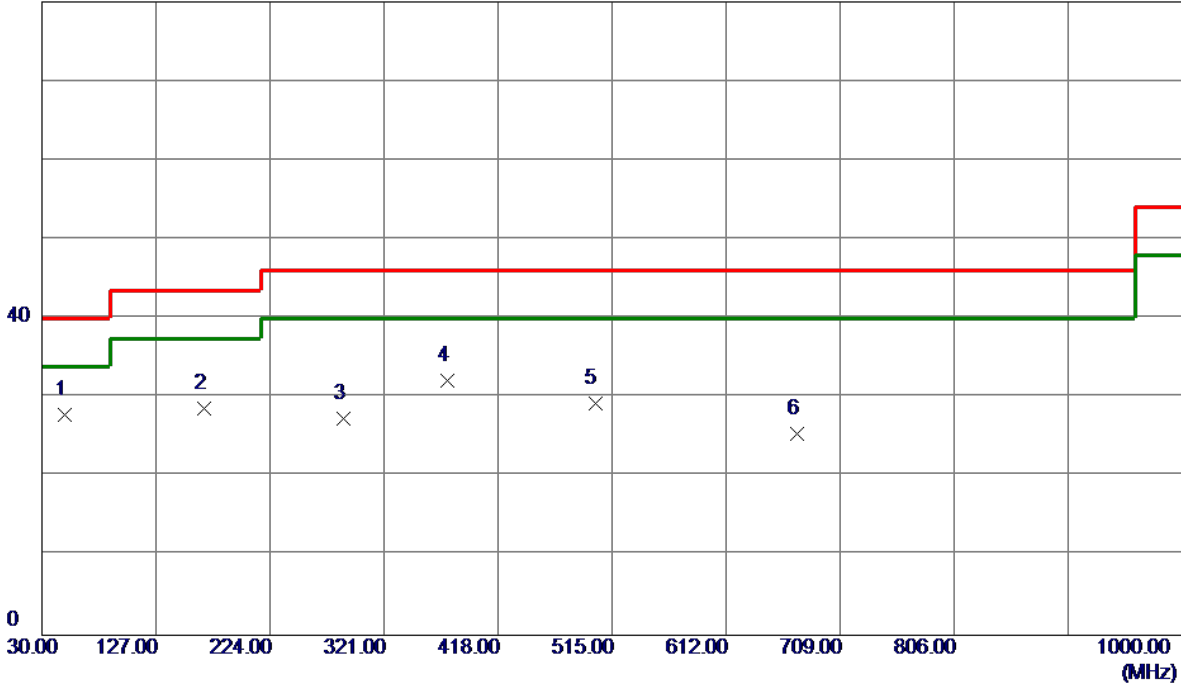
REMARKS:

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

Test Mode: TX B Mode Channel 11

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 *	49.4000	41.61	-13.84	27.77	40.00	-12.23	Peak	
2	167.7400	40.81	-12.23	28.58	43.50	-14.92	Peak	
3	286.0799	39.77	-12.36	27.41	46.00	-18.59	Peak	
4	375.3200	42.43	-10.29	32.14	46.00	-13.86	Peak	
5	500.4500	37.34	-8.03	29.31	46.00	-16.69	Peak	
6	672.1400	30.34	-4.83	25.51	46.00	-20.49	Peak	

REMARKS:

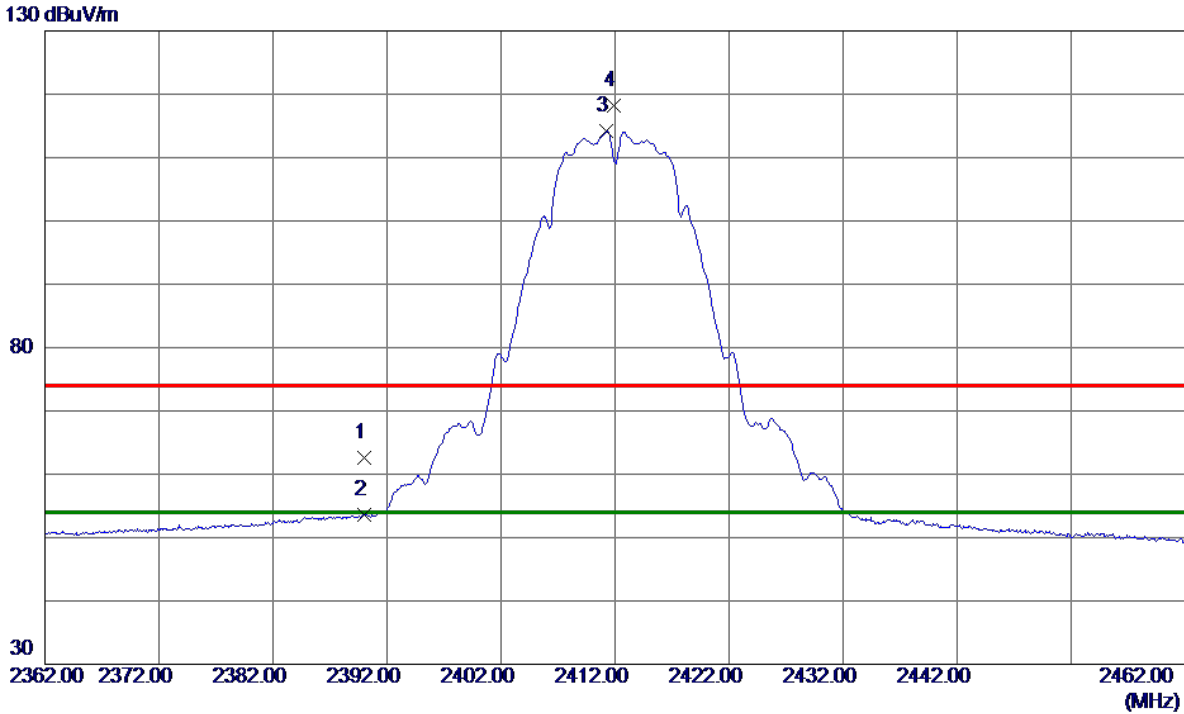
(1) Measurement Value = Reading Level + Correct Factor.

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

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

Test Mode: TX B Mode 2412 MHz

Vertical



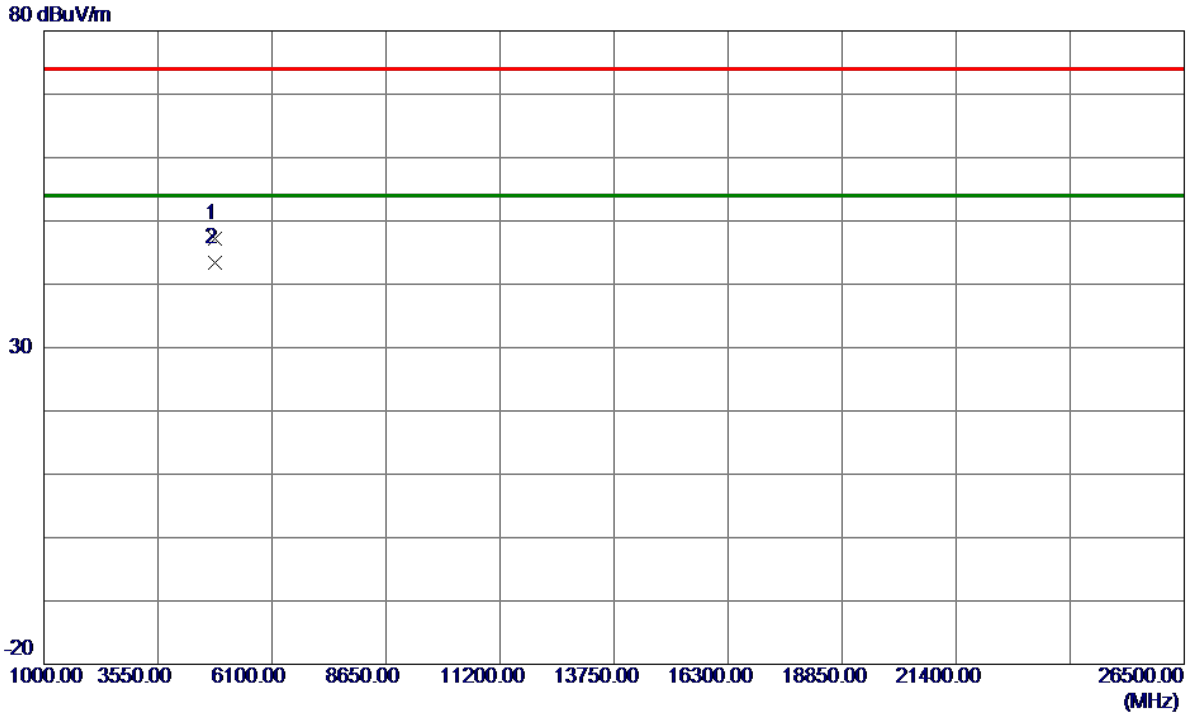
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	52.10	10.56	62.66	74.00	-11.34	Peak	
2	2390.0000	42.97	10.56	53.53	54.00	-0.47	AVG	
3 *	2411.2000	103.65	10.61	114.26	54.00	60.26	AVG	No Limit
4	2411.8700	107.61	10.61	118.22	74.00	44.22	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

Vertical



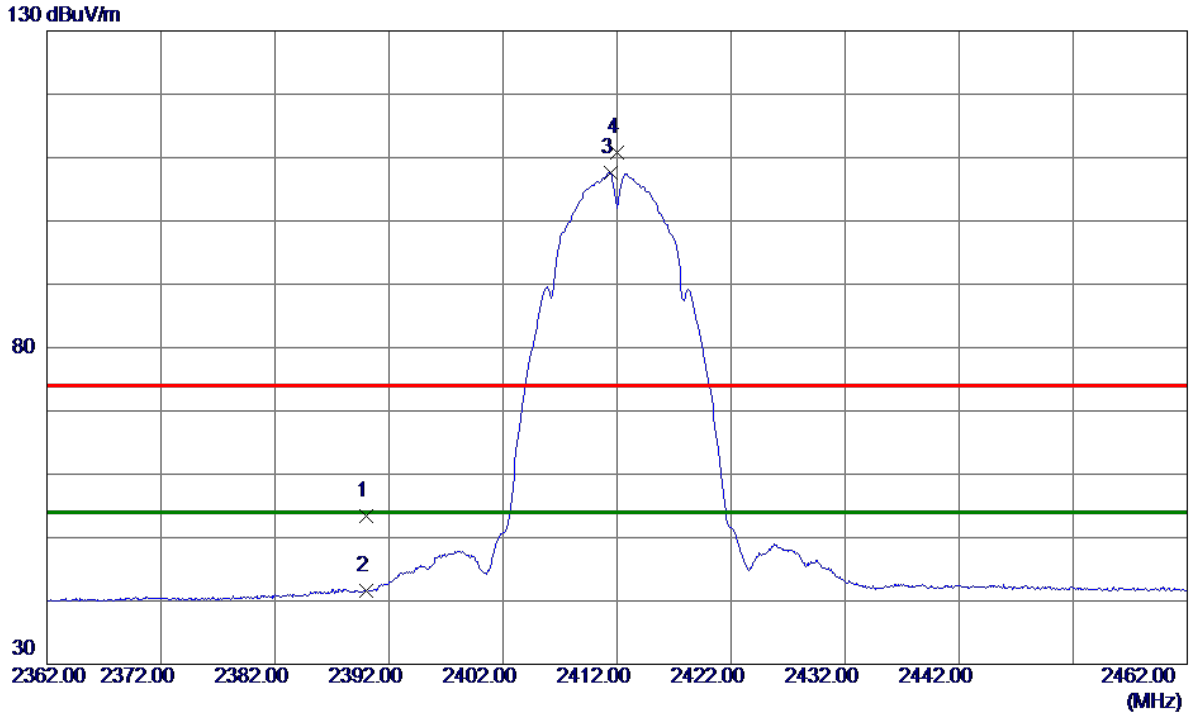
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.0250	40.56	6.72	47.28	74.00	-26.72	Peak	
2 *	4824.0299	36.73	6.72	43.45	54.00	-10.55	AVG	

REMARKS:

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

Test Mode: TX B Mode 2412 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	42.85	10.56	53.41	74.00	-20.59	Peak	
2	2390.0000	30.99	10.56	41.55	54.00	-12.45	AVG	
3 *	2411.4000	96.97	10.61	107.58	54.00	53.58	AVG	No Limit
4	2412.0000	100.28	10.61	110.89	74.00	36.89	Peak	No Limit

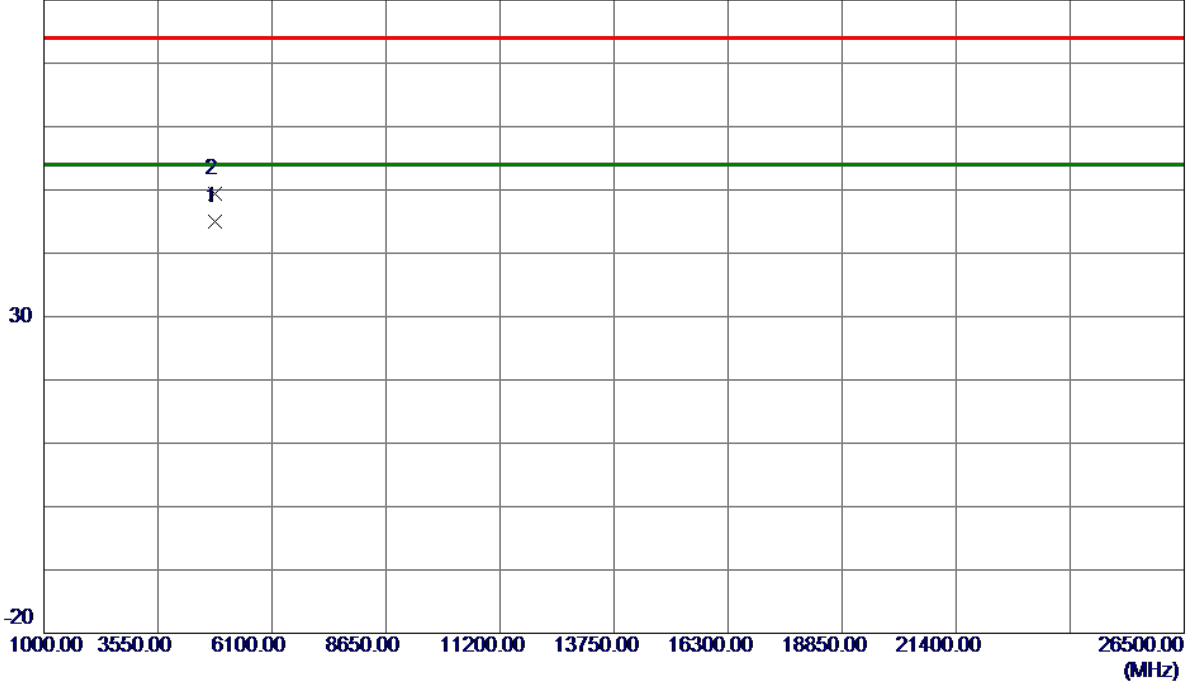
REMARKS:

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

Test Mode: TX B Mode 2412 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0250	38.32	6.72	45.04	54.00	-8.96	AVG	
2	4824.0650	42.67	6.72	49.39	74.00	-24.61	Peak	

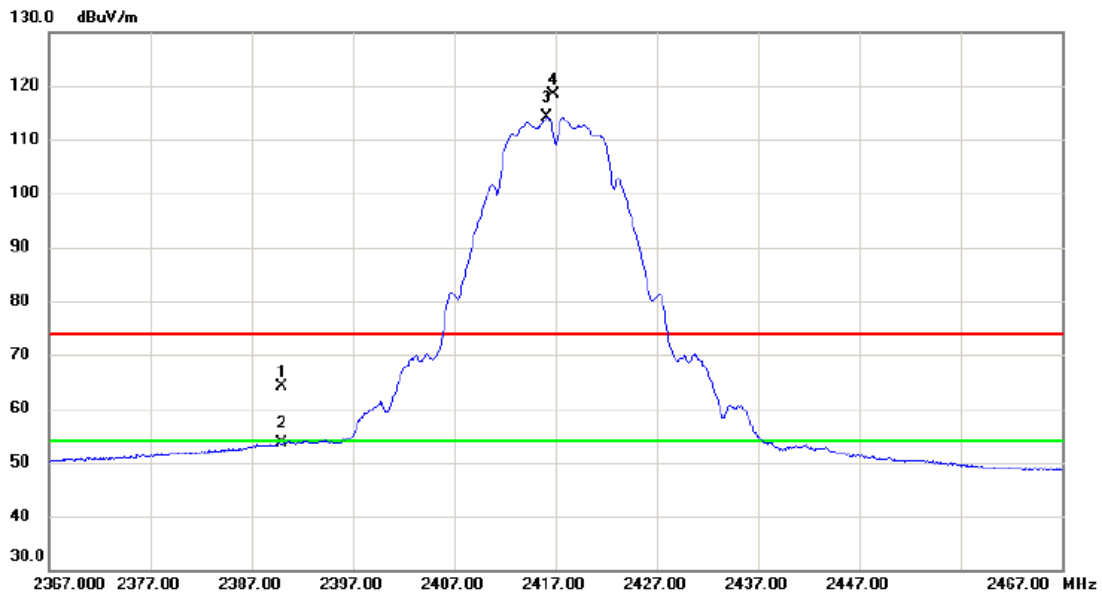
REMARKS:

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

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

Test Mode: TX B Mode 2417 MHz

Vertical



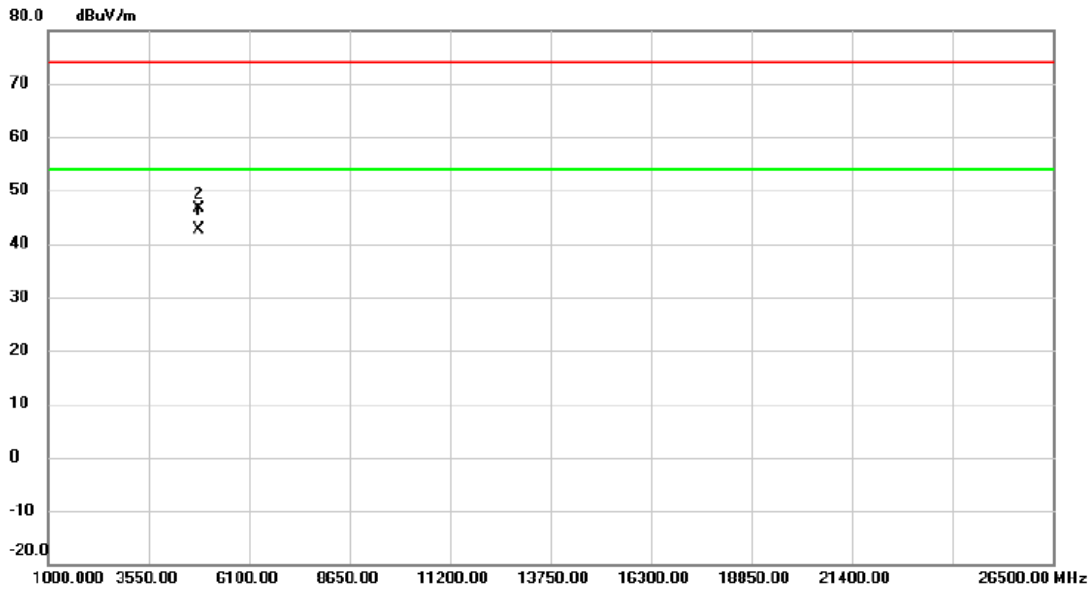
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	53.49	10.56	64.05	74.00	-9.95	peak	
2		2390.000	43.17	10.56	53.73	54.00	-0.27	AVG	
3	*	2416.200	103.63	10.62	114.25	54.00	60.25	AVG	No Limit
4	X	2416.810	107.73	10.62	118.35	74.00	44.35	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



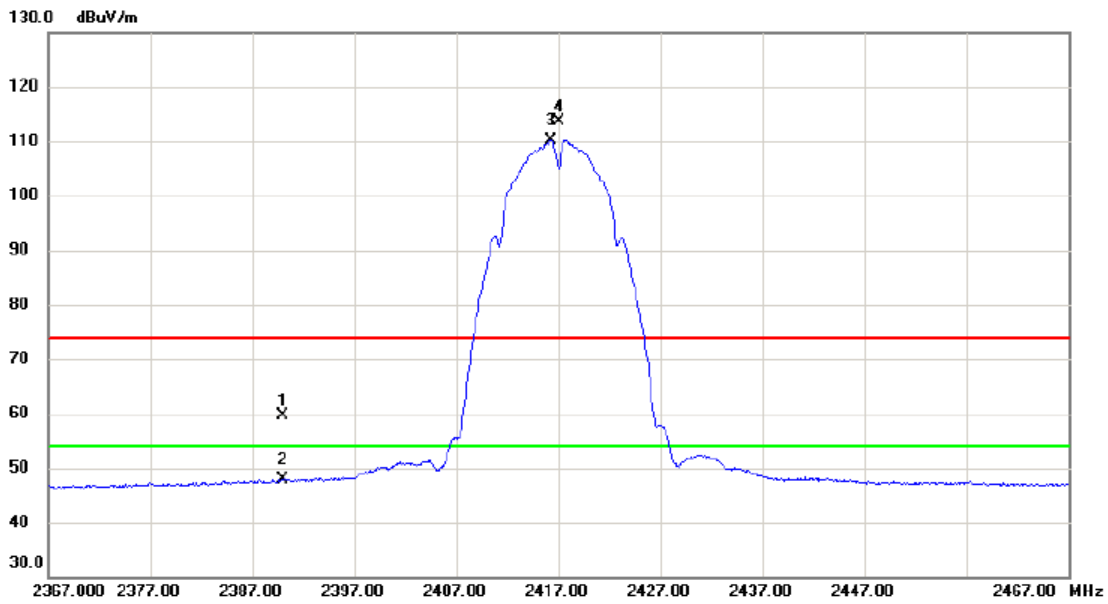
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4833.960	35.85	6.74	42.59	54.00	-11.41	AVG	
2		4834.070	39.90	6.74	46.64	74.00	-27.36	peak	

REMARKS:

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

Test Mode: TX B Mode 2417 MHz

Horizontal



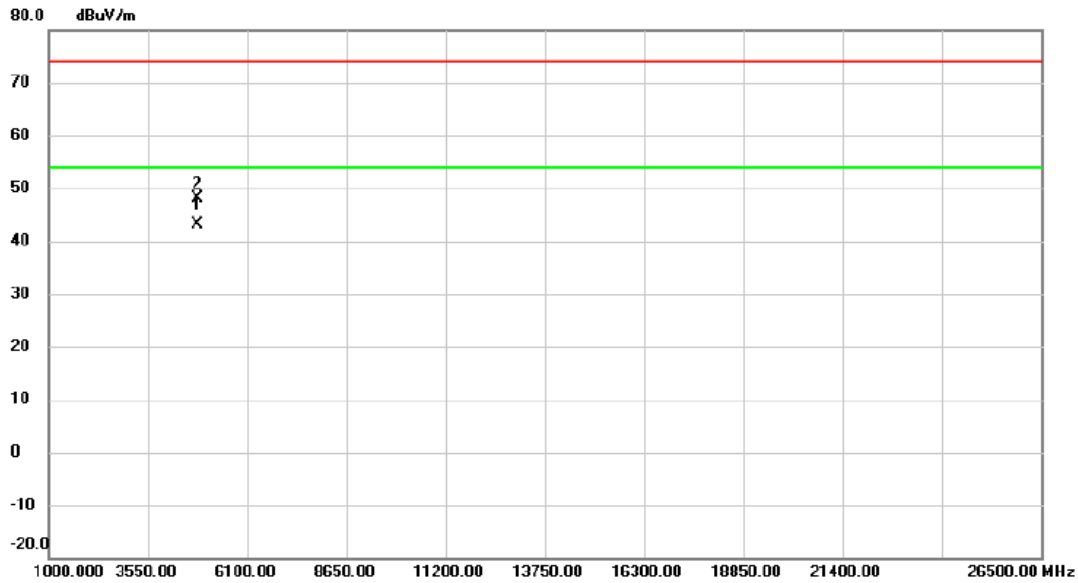
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	49.23	10.50	59.73	74.00	-14.27	peak	
2		2390.000	37.47	10.50	47.97	54.00	-6.03	AVG	
3	*	2416.250	99.68	10.57	110.25	54.00	56.25	AVG	No Limit
4	X	2417.050	103.03	10.57	113.60	74.00	39.60	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

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4833.975	36.47	6.74	43.21	54.00	-10.79	AVG	
2		4834.047	41.51	6.74	48.25	74.00	-25.75	peak	

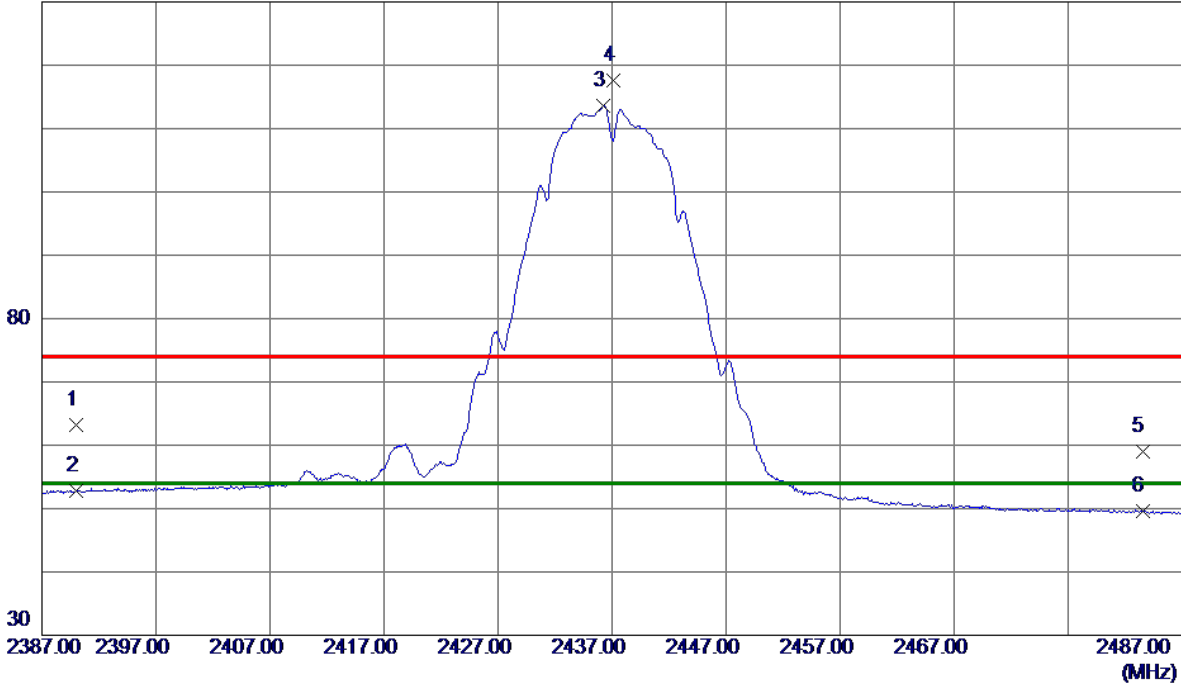
REMARKS:

- (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	2390.0000	52.73	10.56	63.29	74.00	-10.71	Peak	
2	2390.0000	42.30	10.56	52.86	54.00	-1.14	AVG	
3 *	2436.2000	102.99	10.67	113.66	54.00	59.66	AVG	No Limit
4	2437.0700	106.90	10.67	117.57	74.00	43.57	Peak	No Limit
5	2483.5000	48.20	10.77	58.97	74.00	-15.03	Peak	
6	2483.5000	38.83	10.77	49.60	54.00	-4.40	AVG	

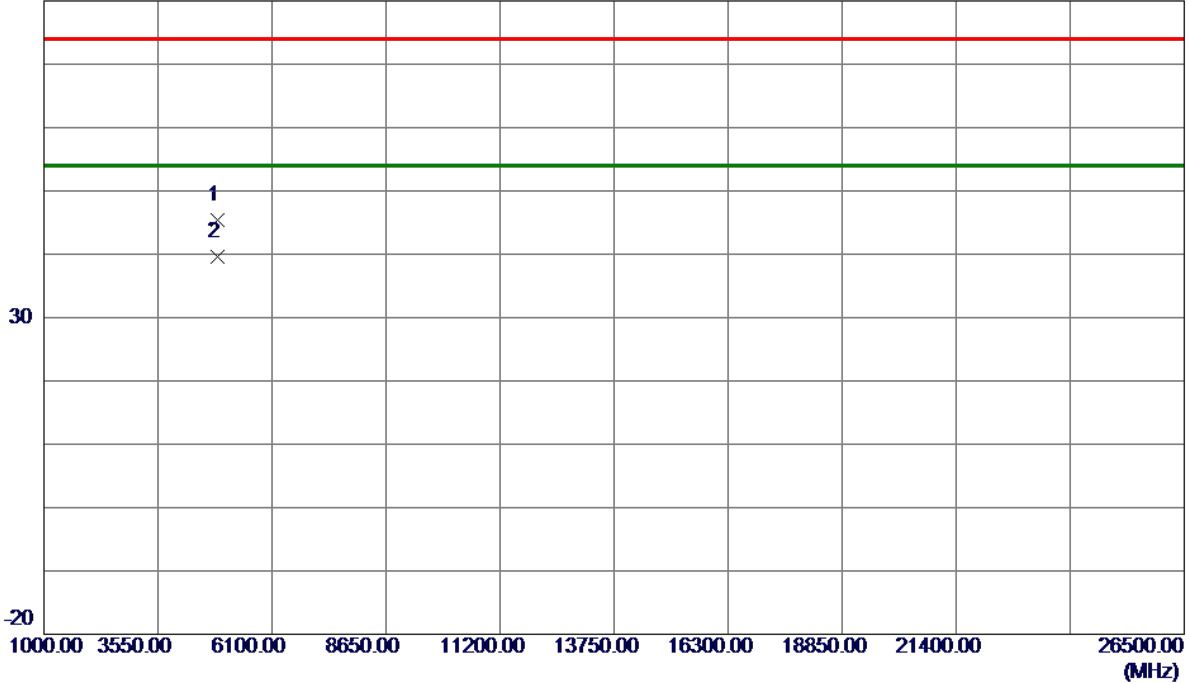
REMARKS:

- (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



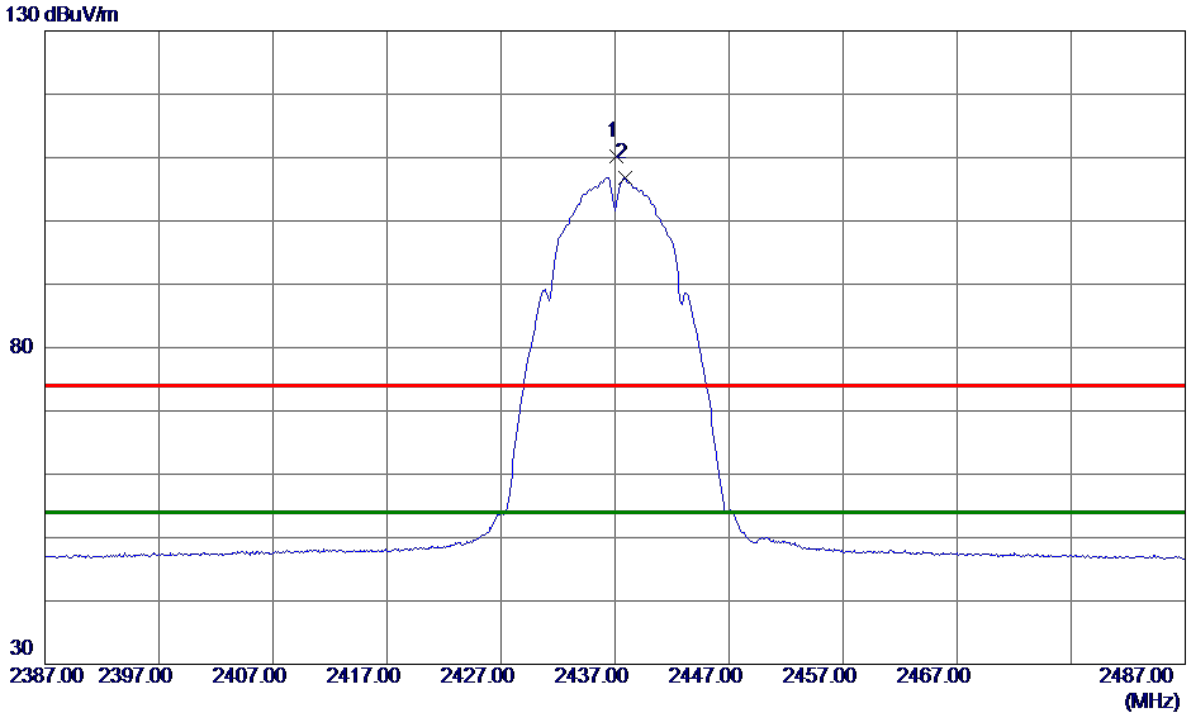
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.9950	38.46	6.87	45.33	74.00	-28.67	Peak	
2 *	4874.0150	32.71	6.87	39.58	54.00	-14.42	AVG	

REMARKS:

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

Test Mode: TX B Mode 2437 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2437.1000	99.50	10.63	110.13	74.00	36.13	Peak	No Limit
2 *	2437.8500	96.18	10.63	106.81	54.00	52.81	AVG	No Limit

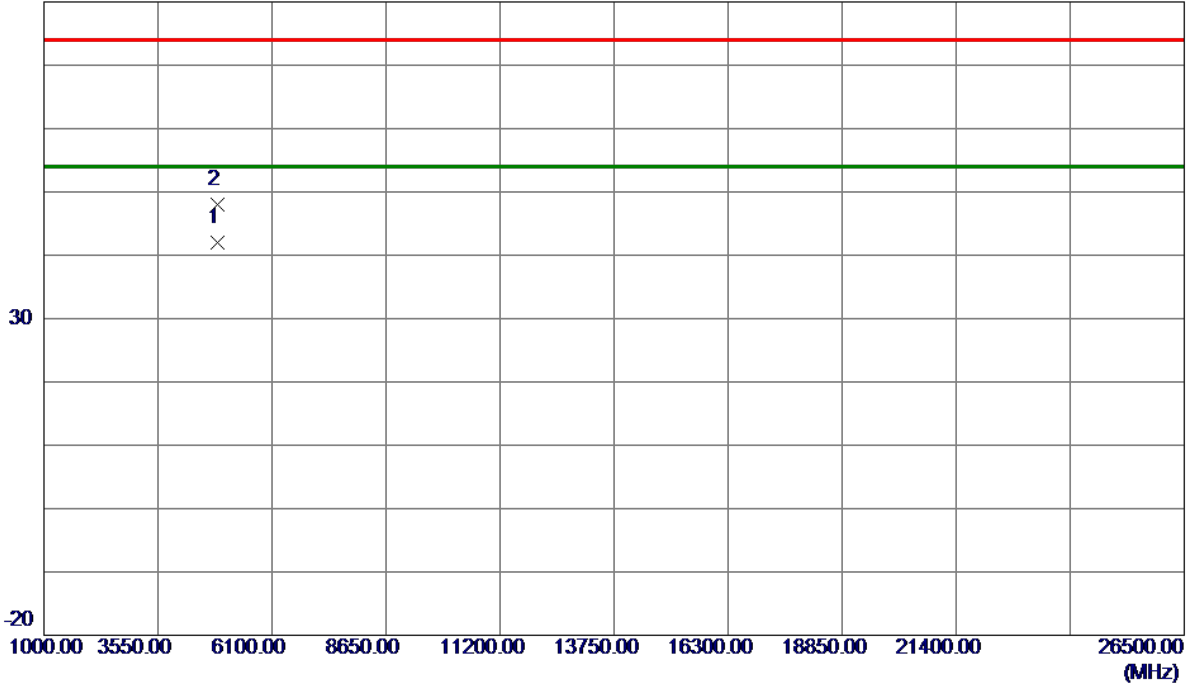
REMARKS:

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

Test Mode: TX B Mode 2437 MHz

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 *	4874.0520	35.10	6.87	41.97	54.00	-12.03	AVG	
2	4874.3630	41.17	6.87	48.04	74.00	-25.96	Peak	

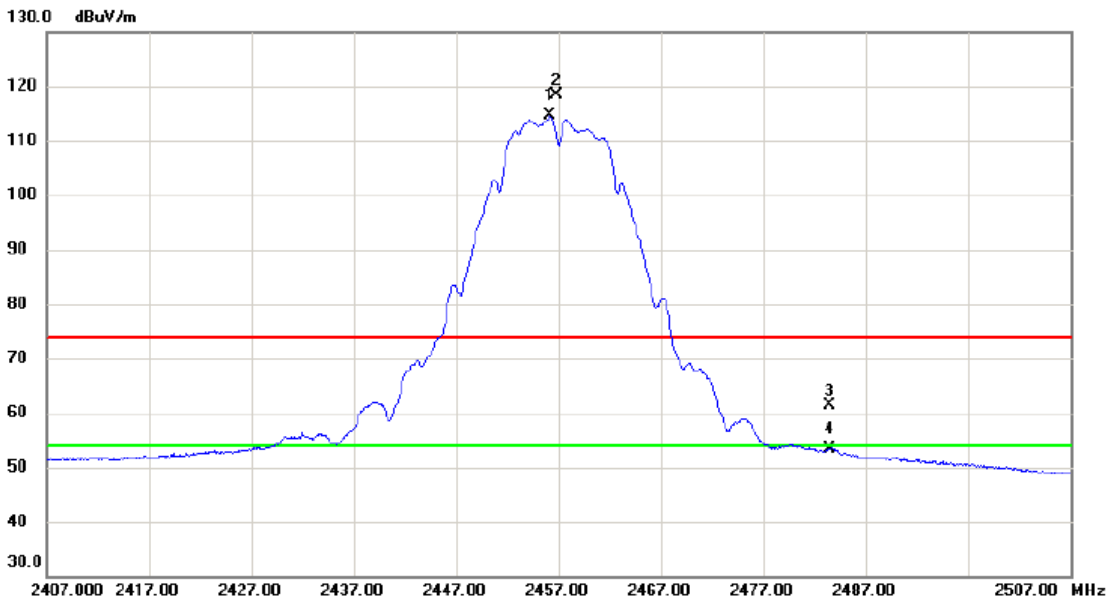
REMARKS:

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

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

Test Mode: TX B Mode 2457 MHz

Vertical



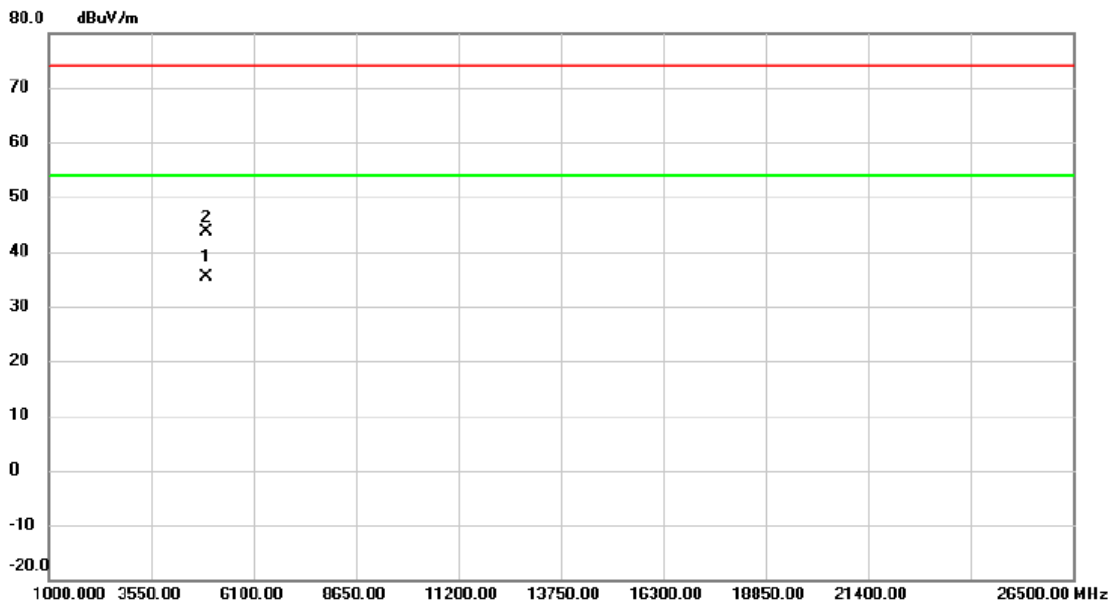
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2456.190	103.87	10.71	114.58	54.00	60.58	AVG	No Limit
2	X	2456.810	107.73	10.71	118.44	74.00	44.44	peak	No Limit
3		2483.500	50.71	10.77	61.48	74.00	-12.52	peak	
4		2483.500	42.62	10.77	53.39	54.00	-0.61	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	*	4914.050	28.26	7.00	35.26	54.00	-18.74	AVG	
2		4914.115	36.67	7.00	43.67	74.00	-30.33	peak	

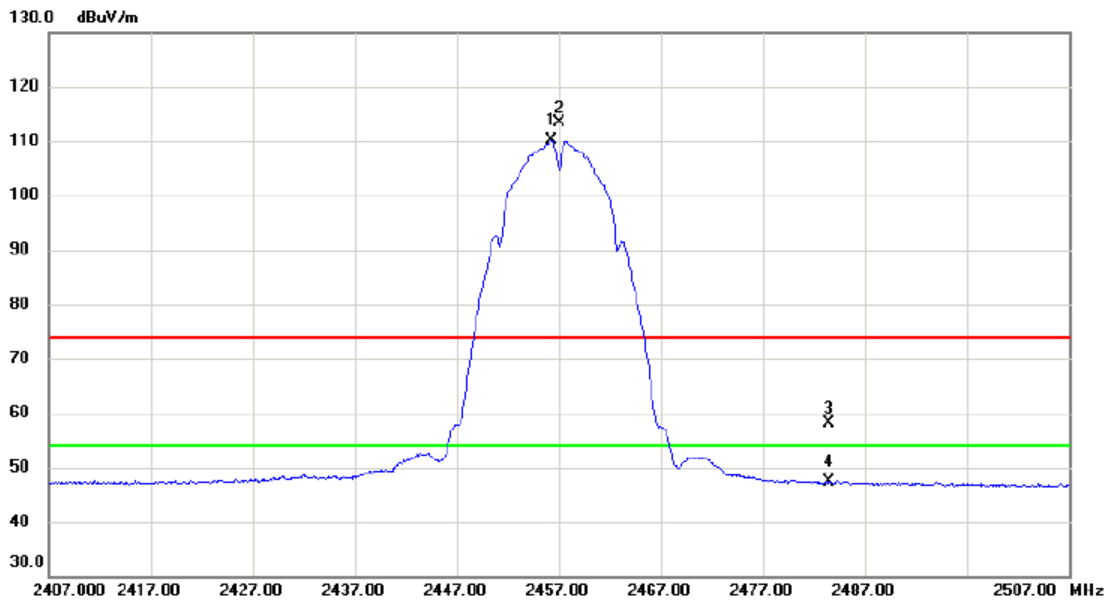
REMARKS:

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

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

Test Mode: TX B Mode 2457 MHz

Horizontal



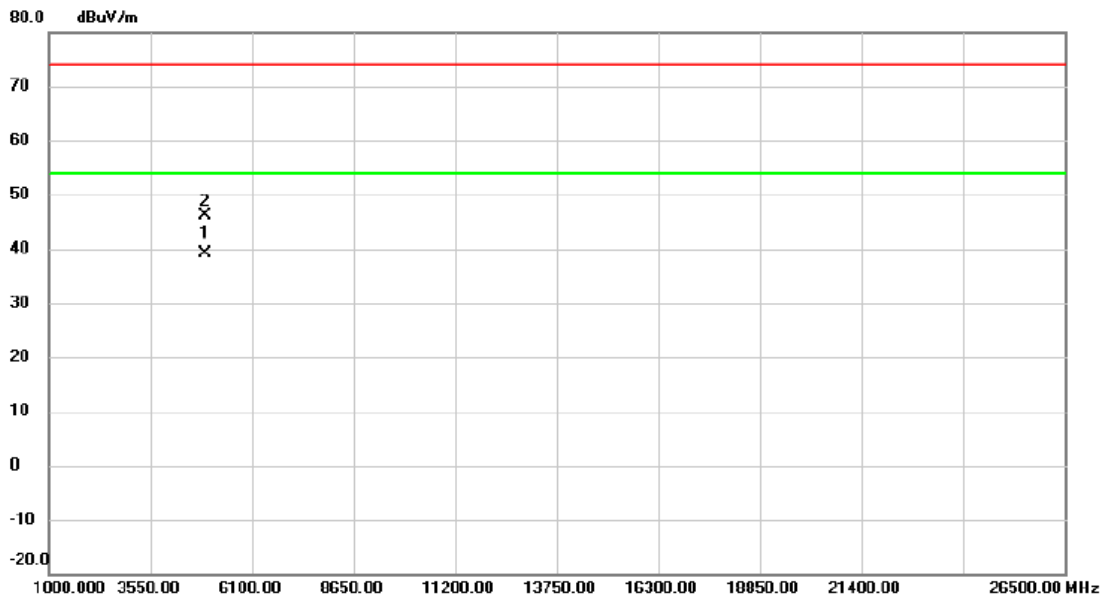
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2456.300	99.43	10.68	110.11	54.00	56.11	AVG	No Limit
2	X	2457.050	102.71	10.69	113.40	74.00	39.40	peak	No Limit
3		2483.500	47.49	10.76	58.25	74.00	-15.75	peak	
4		2483.500	36.65	10.76	47.41	54.00	-6.59	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	*	4914.038	32.11	7.00	39.11	54.00	-14.89	AVG	
2		4914.108	39.15	7.00	46.15	74.00	-27.85	peak	

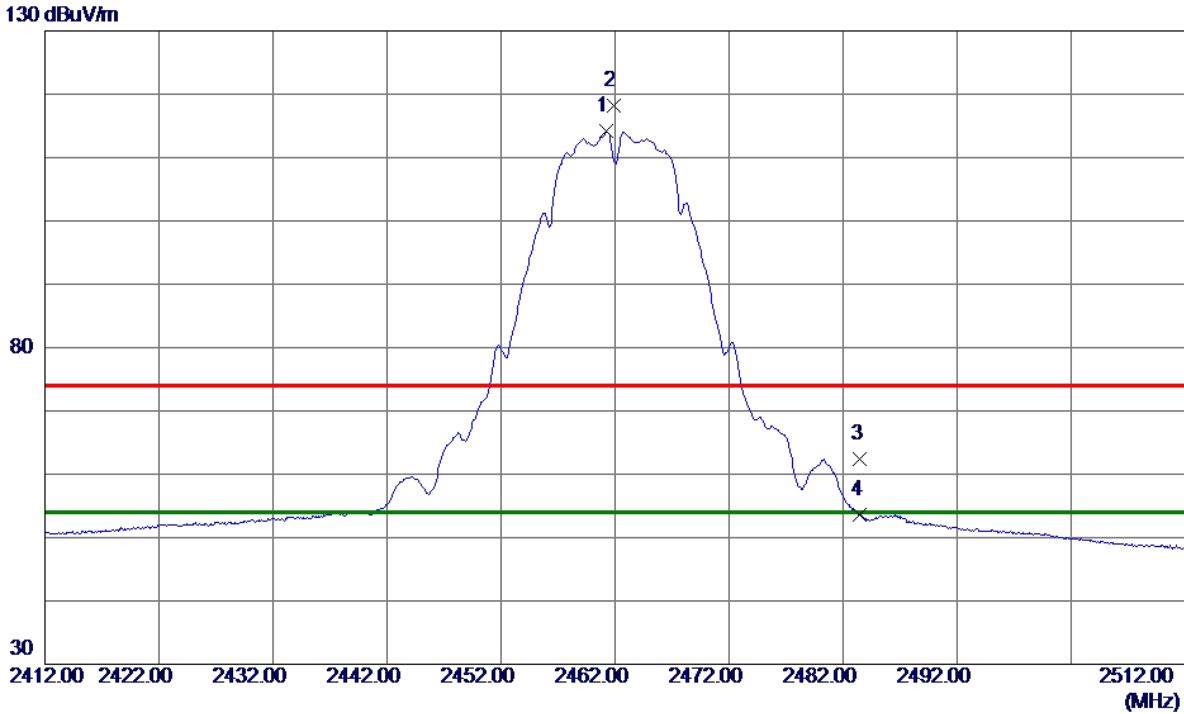
REMARKS:

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

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

Test Mode: TX B Mode 2462 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2461.2000	103.39	10.72	114.11	54.00	60.11	AVG	No Limit
2	2461.9000	107.57	10.72	118.29	74.00	44.29	Peak	No Limit
3	2483.5000	51.62	10.77	62.39	74.00	-11.61	Peak	
4	2483.5000	42.86	10.77	53.63	54.00	-0.37	AVG	

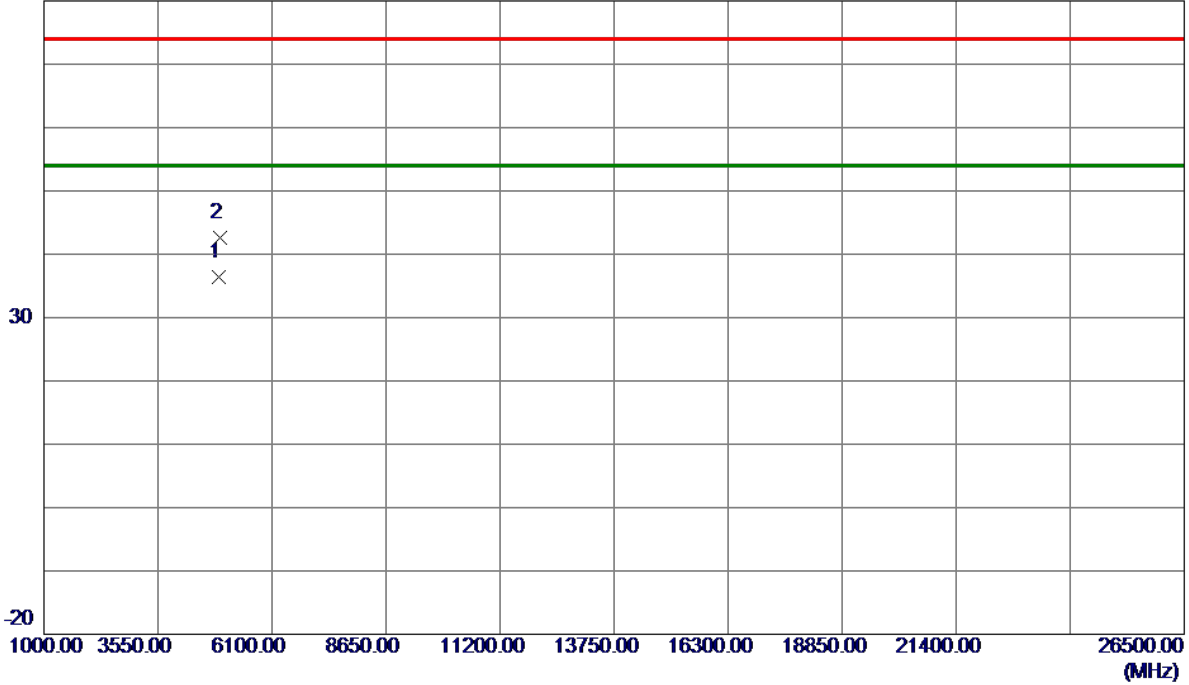
REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.0050	29.33	7.03	36.36	54.00	-17.64	AVG	
2	4924.3900	35.56	7.03	42.59	74.00	-31.41	Peak	

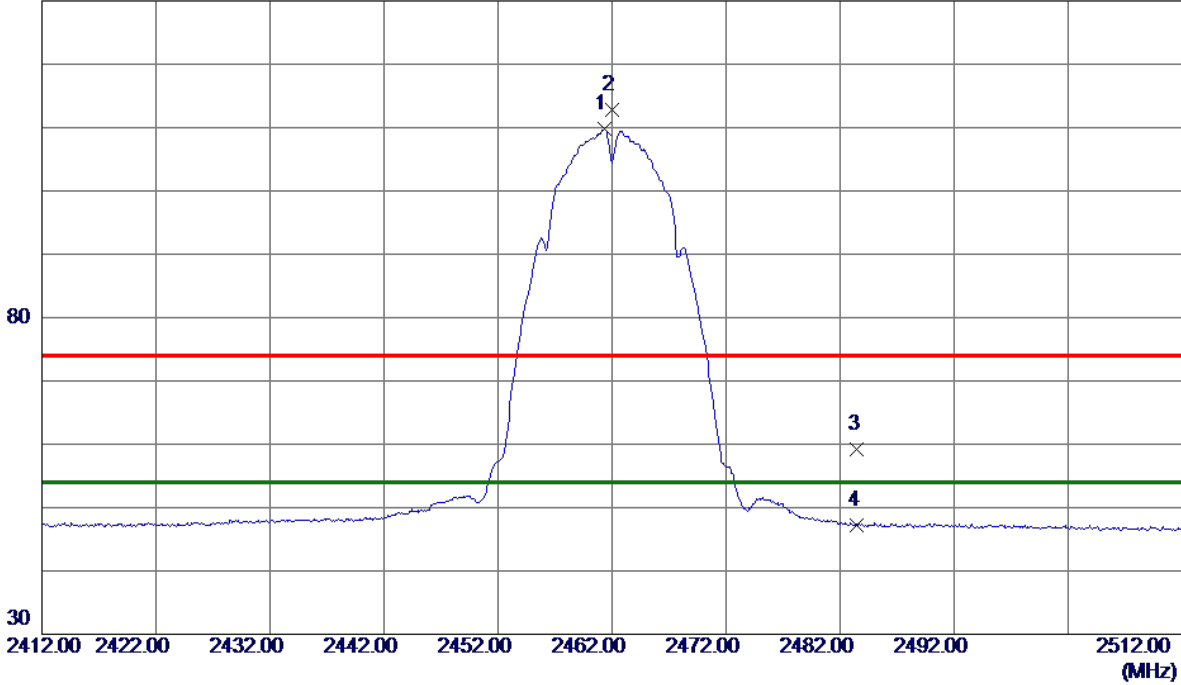
REMARKS:

- (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 *	2461.3000	99.02	10.70	109.72	54.00	55.72	AVG	No Limit
2	2462.0500	102.19	10.70	112.89	74.00	38.89	Peak	No Limit
3	2483.5000	48.45	10.76	59.21	74.00	-14.79	Peak	
4	2483.5000	36.51	10.76	47.27	54.00	-6.73	AVG	

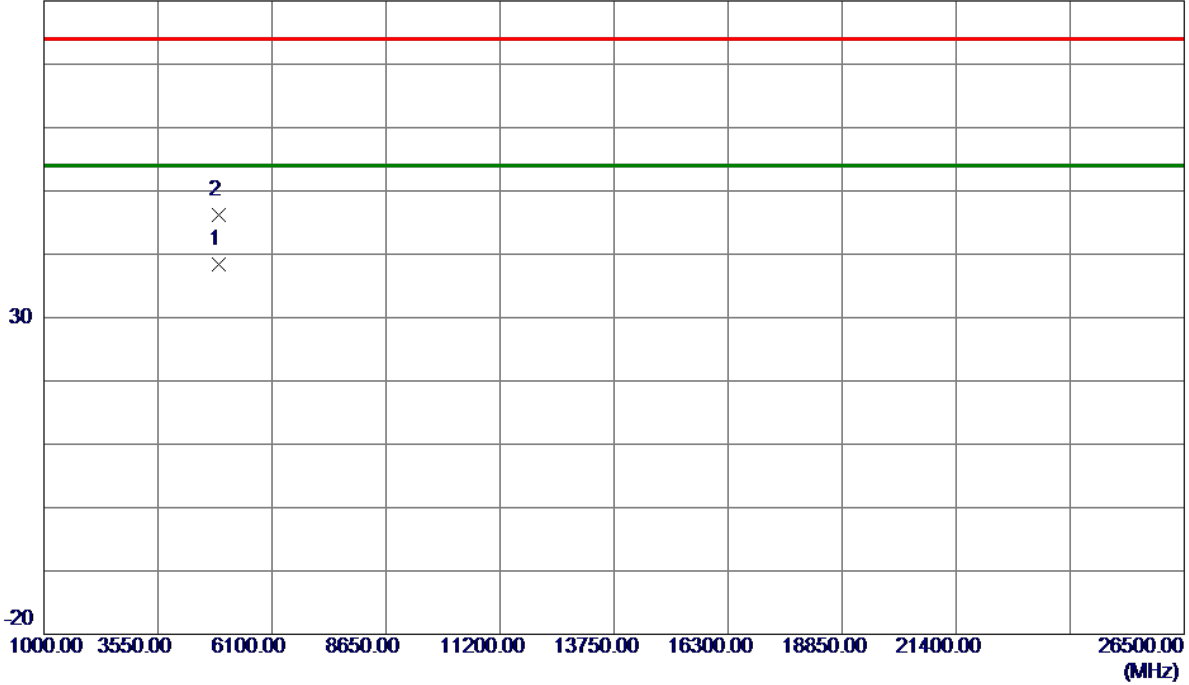
REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.0630	31.35	7.03	38.38	54.00	-15.62	AVG	
2	4924.1320	39.17	7.03	46.20	74.00	-27.80	Peak	

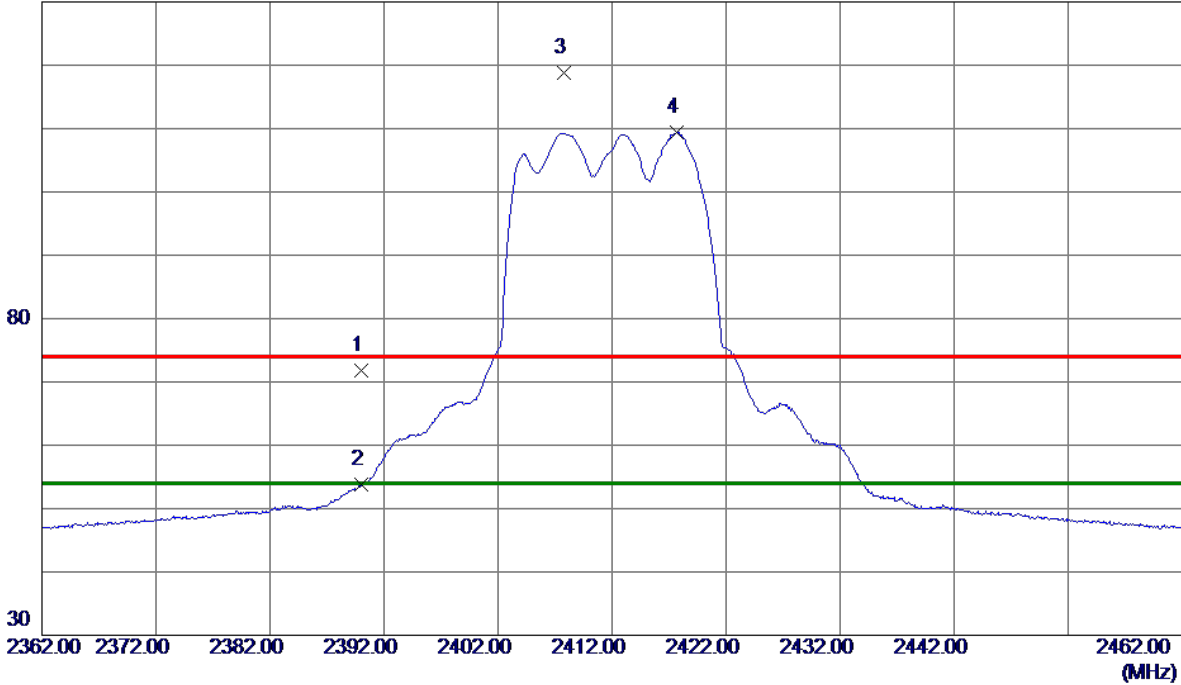
REMARKS:

- (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	61.28	10.56	71.84	74.00	-2.16	Peak	
2	2390.0000	43.18	10.56	53.74	54.00	-0.26	AVG	
3	2407.7600	108.28	10.60	118.88	74.00	44.88	Peak	No Limit
4 *	2417.6700	98.81	10.62	109.43	54.00	55.43	AVG	No Limit

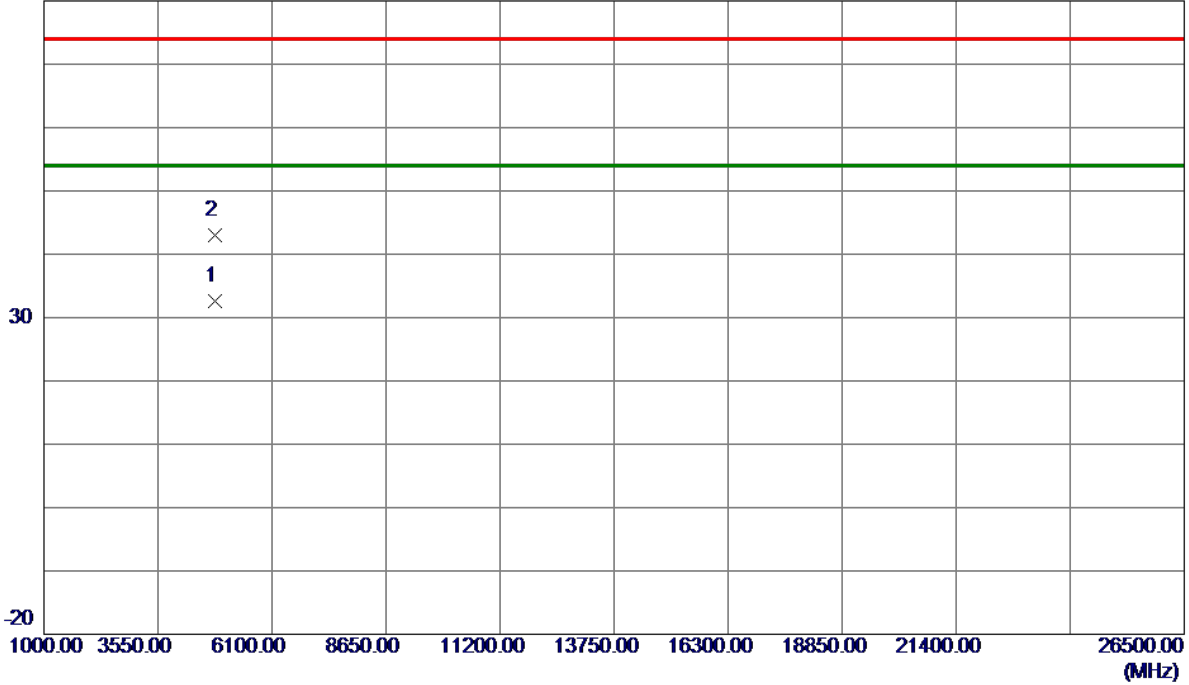
REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Vertical

80 dBuV/m



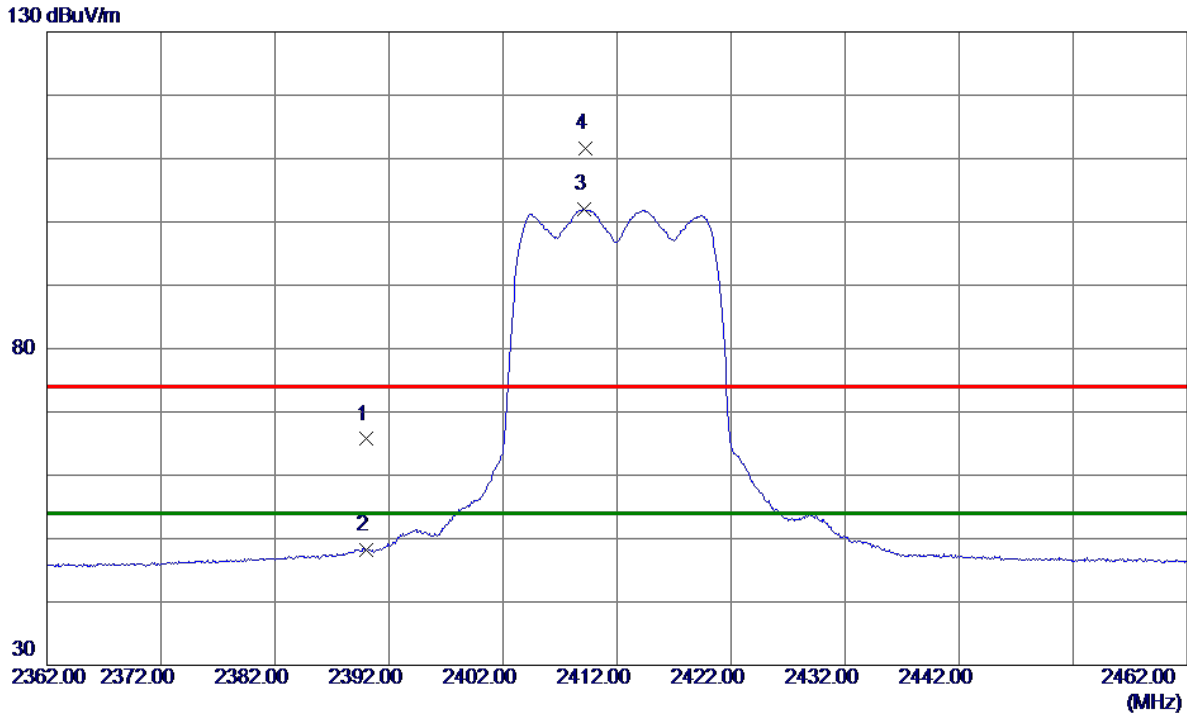
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4823.0000	25.91	6.72	32.63	54.00	-21.37	AVG	
2	4824.3750	36.22	6.72	42.94	74.00	-31.06	Peak	

REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	55.20	10.50	65.70	74.00	-8.30	Peak	
2	2390.0000	37.61	10.50	48.11	54.00	-5.89	AVG	
3 *	2409.1000	91.41	10.55	101.96	54.00	47.96	AVG	No Limit
4	2409.2000	101.05	10.55	111.60	74.00	37.60	Peak	No Limit

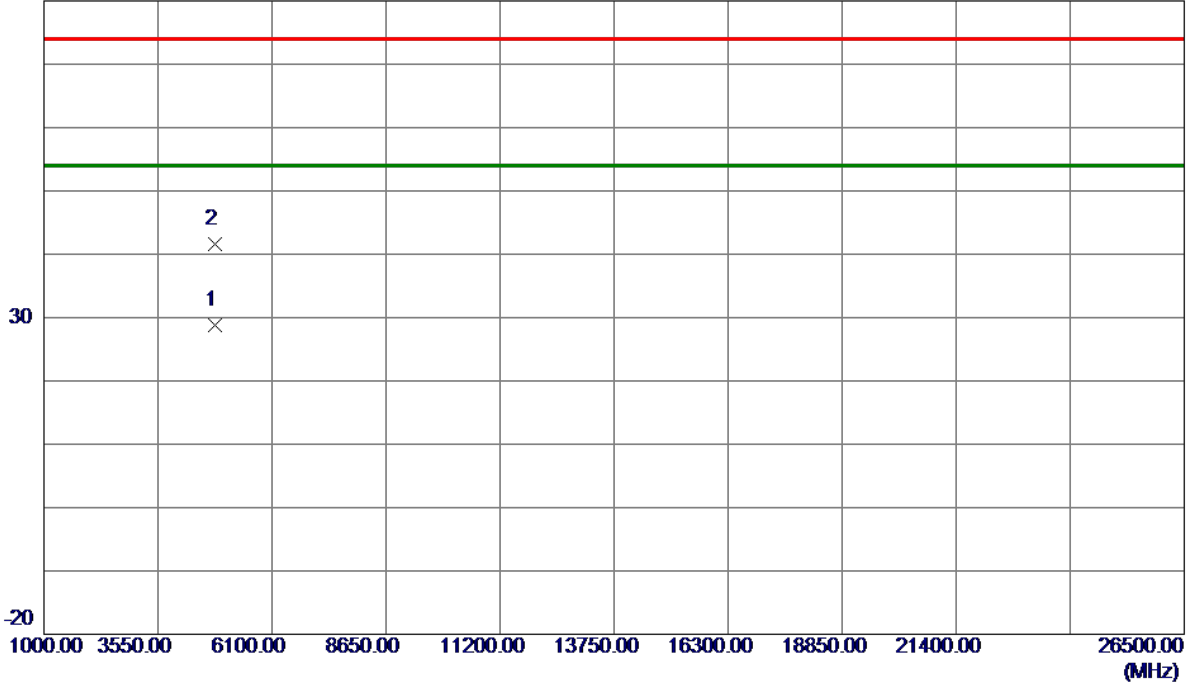
REMARKS:

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

Test Mode: TX G Mode 2412 MHz

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 *	4823.3360	22.16	6.72	28.88	54.00	-25.12	AVG	
2	4824.7510	34.91	6.72	41.63	74.00	-32.37	Peak	

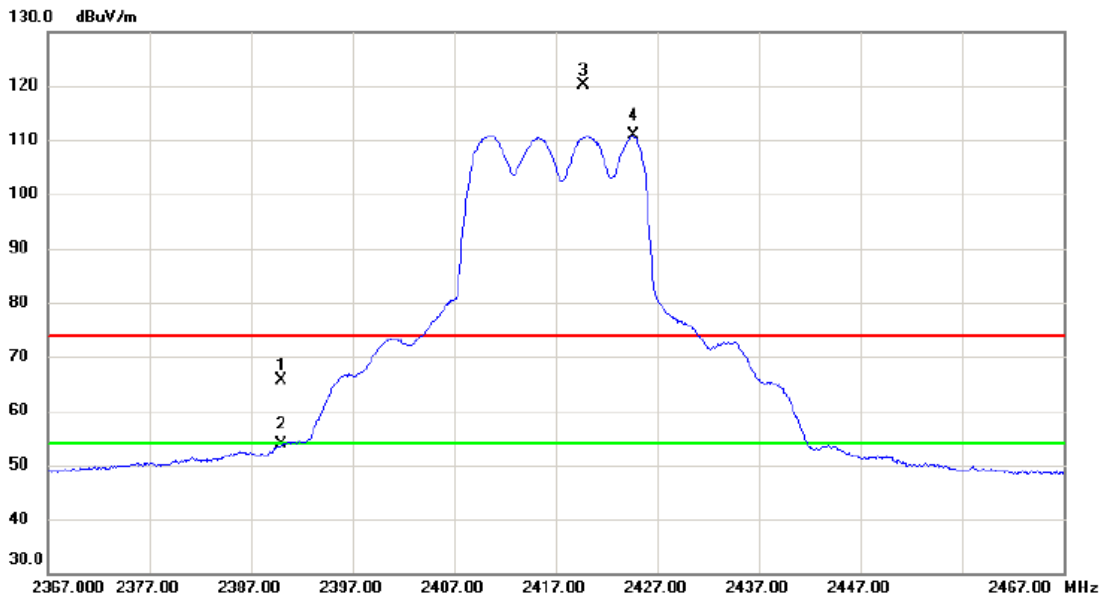
REMARKS:

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

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

Test Mode: TX G Mode 2417 MHz

Vertical



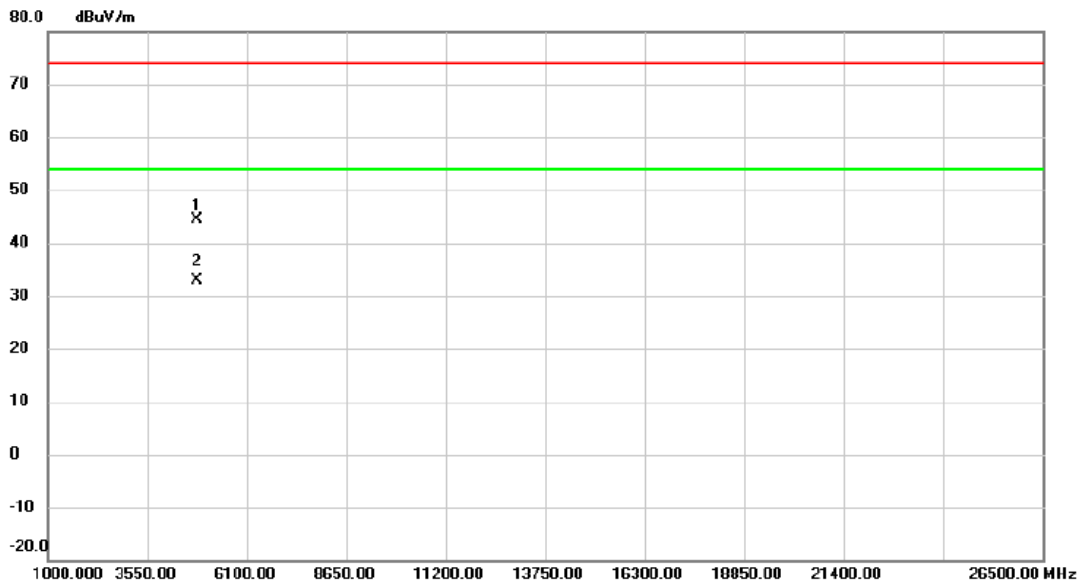
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	55.09	10.56	65.65	74.00	-8.35	peak	
2		2390.000	43.20	10.56	53.76	54.00	-0.24	AVG	
3	X	2419.670	109.60	10.63	120.23	74.00	46.23	peak	No Limit
4	*	2424.720	100.27	10.64	110.91	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 G Mode 2417 MHz

Vertical



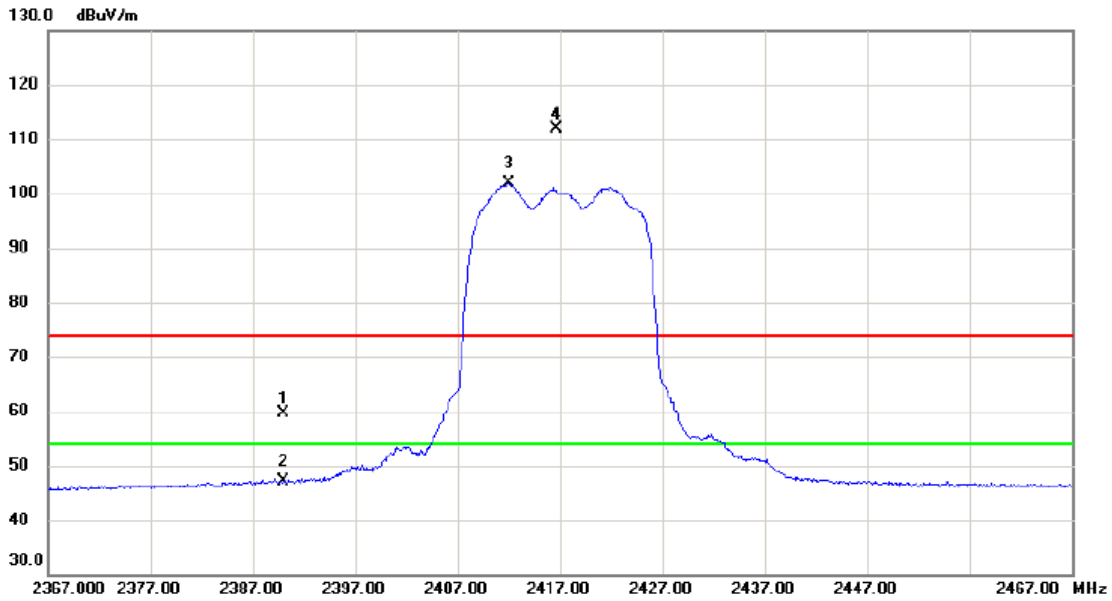
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4832.300	37.70	6.74	44.44	74.00	-29.56	peak	
2	*	4833.175	26.06	6.74	32.80	54.00	-21.20	AVG	

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	49.19	10.50	59.69	74.00	-14.31	peak	
2		2390.000	36.57	10.50	47.07	54.00	-6.93	AVG	
3	*	2412.050	91.34	10.56	101.90	54.00	47.90	AVG	No Limit
4	X	2416.700	101.27	10.57	111.84	74.00	37.84	peak	No Limit

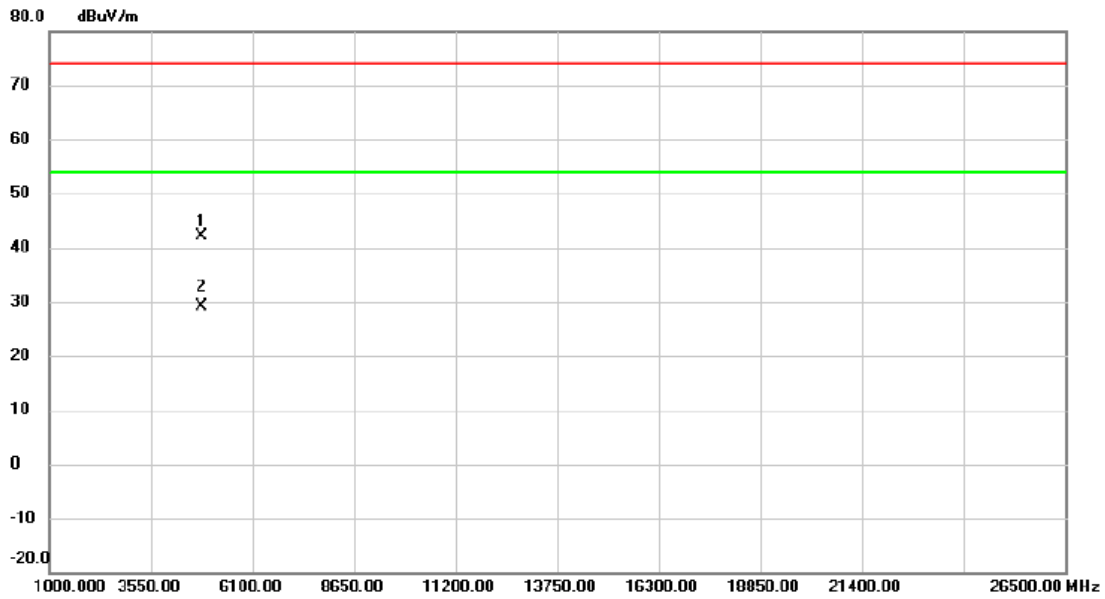
REMARKS:

(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		4833.319	35.30	6.74	42.04	74.00	-31.96	peak	
2	*	4834.346	22.46	6.75	29.21	54.00	-24.79	AVG	

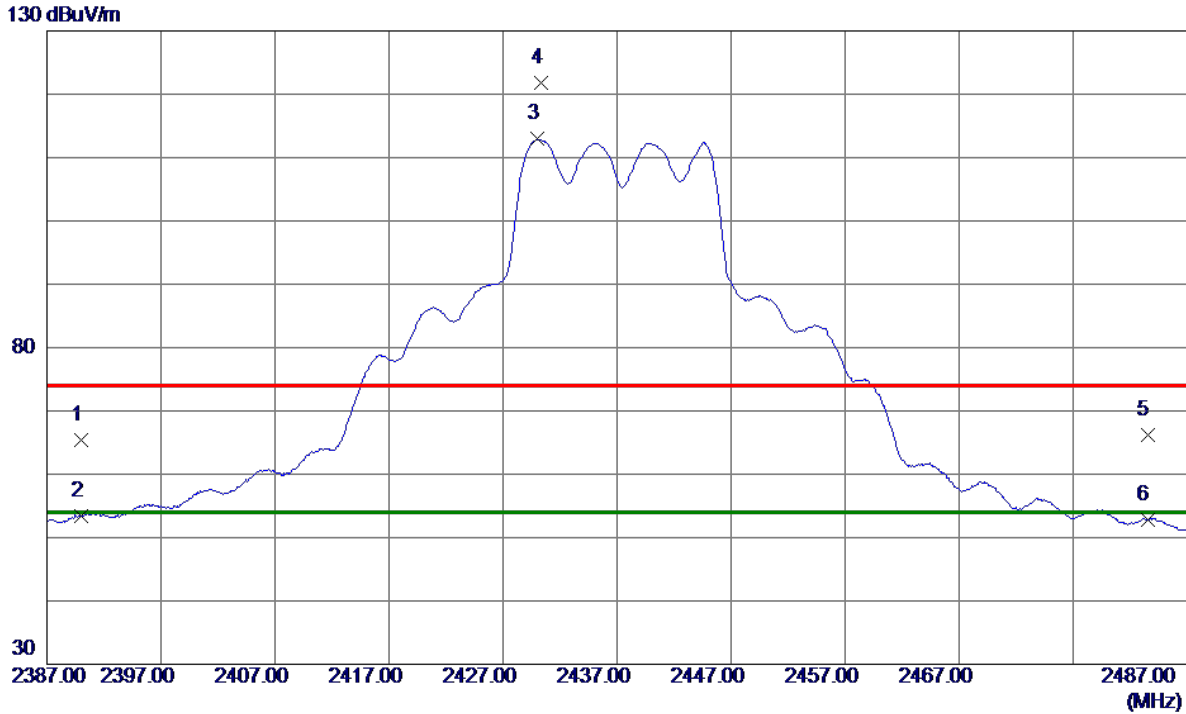
REMARKS:

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

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

Test Mode: TX G Mode 2437 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	54.78	10.56	65.34	74.00	-8.66	Peak	
2	2390.0000	42.80	10.56	53.36	54.00	-0.64	AVG	
3 *	2429.9600	102.27	10.65	112.92	54.00	58.92	AVG	No Limit
4	2430.2900	111.13	10.65	121.78	74.00	47.78	Peak	No Limit
5	2483.5000	55.40	10.77	66.17	74.00	-7.83	Peak	
6	2483.5000	42.08	10.77	52.85	54.00	-1.15	AVG	

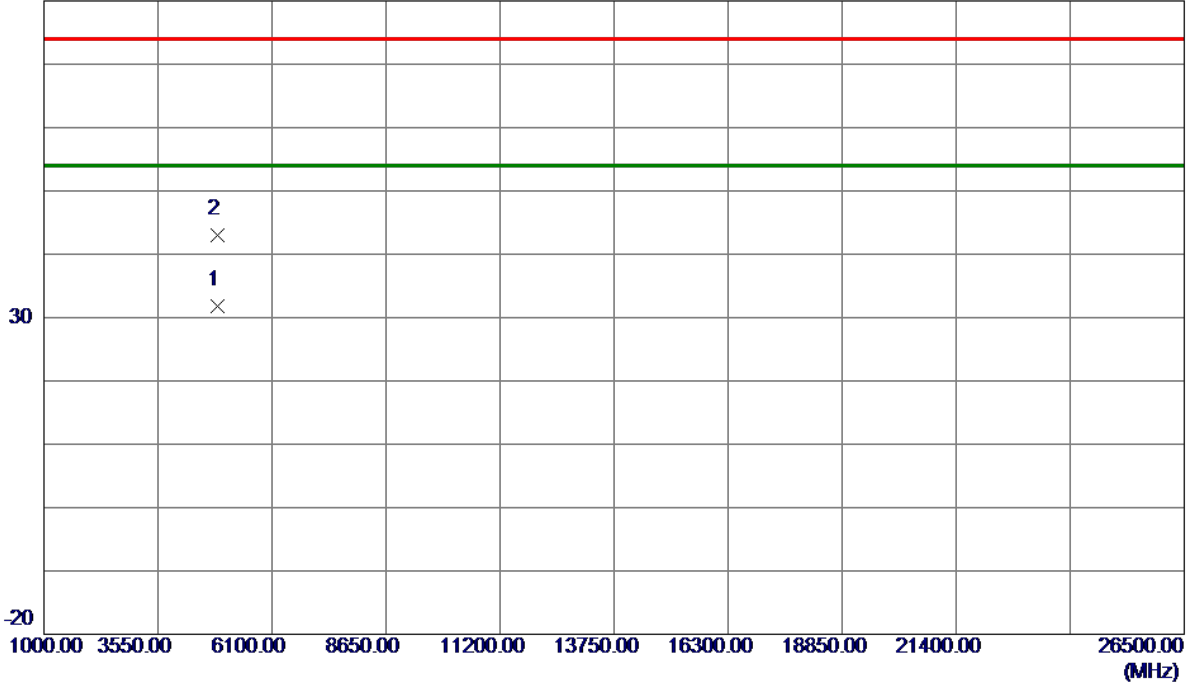
REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Vertical

80 dBuV/m



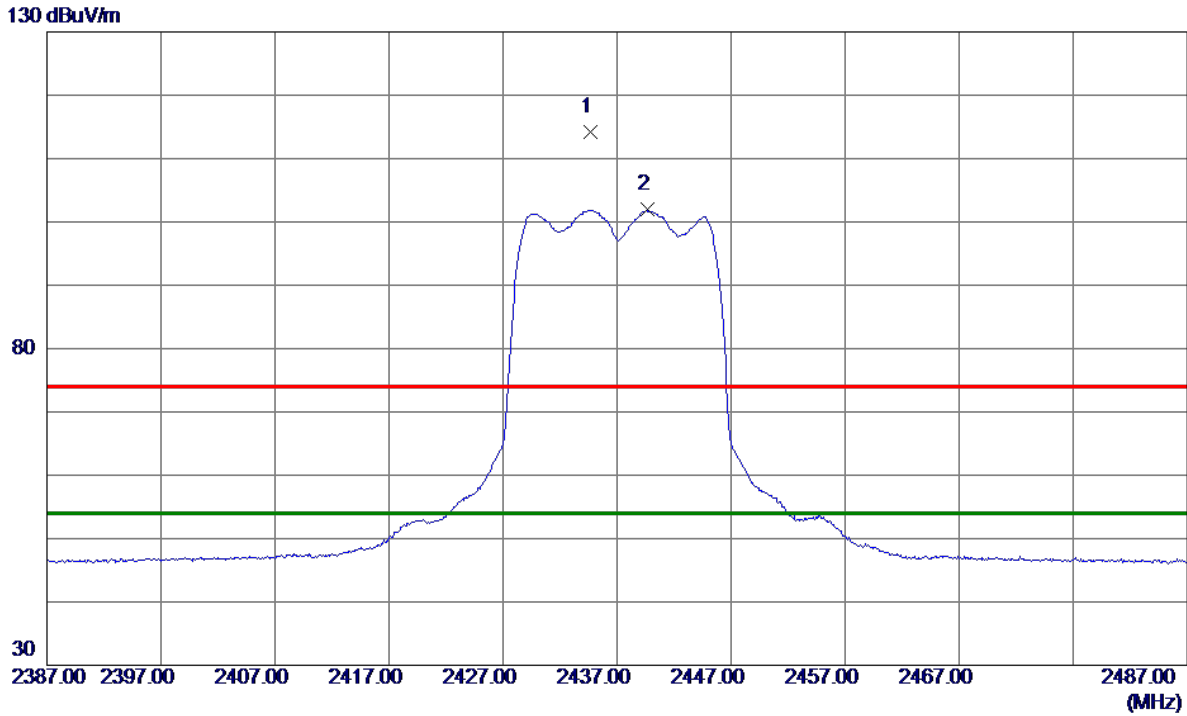
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4872.6000	25.03	6.87	31.90	54.00	-22.10	AVG	
2	4873.6000	36.23	6.87	43.10	74.00	-30.90	Peak	

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	2434.6500	103.49	10.62	114.11	74.00	40.11	Peak	No Limit
2 *	2439.6500	91.28	10.64	101.92	54.00	47.92	AVG	No Limit

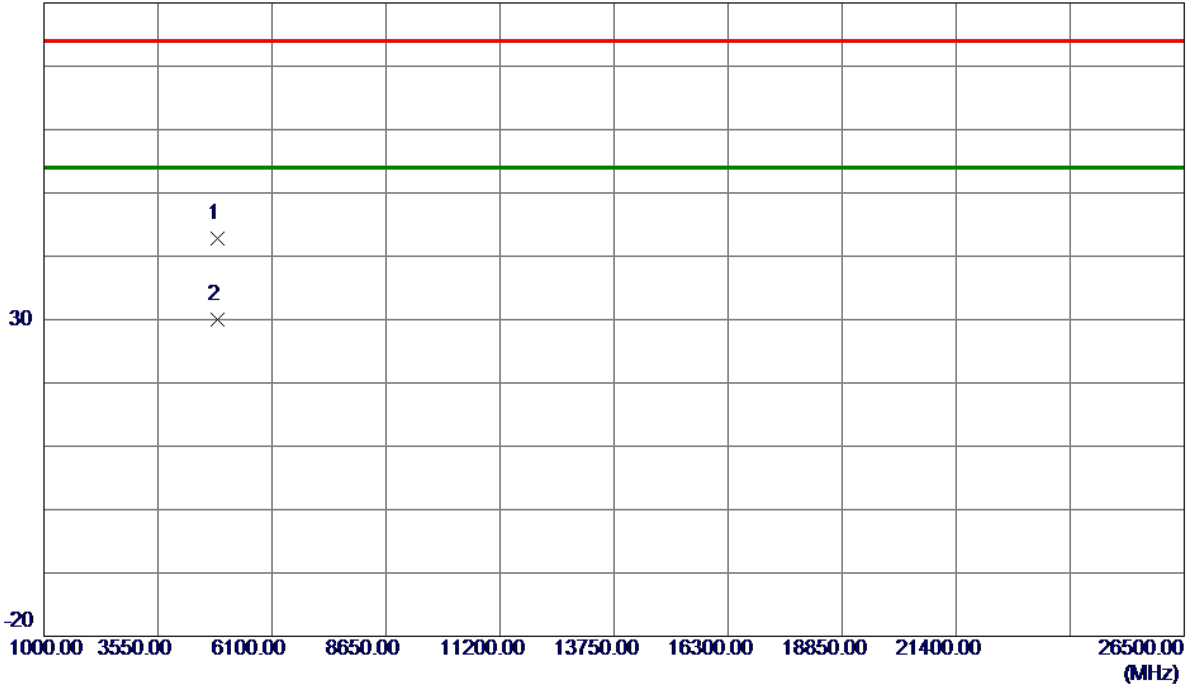
REMARKS:

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

Test Mode: TX G Mode 2437 MHz

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	4874.6349	36.00	6.88	42.88	74.00	-31.12	Peak	
2 *	4874.6520	23.13	6.88	30.01	54.00	-23.99	AVG	

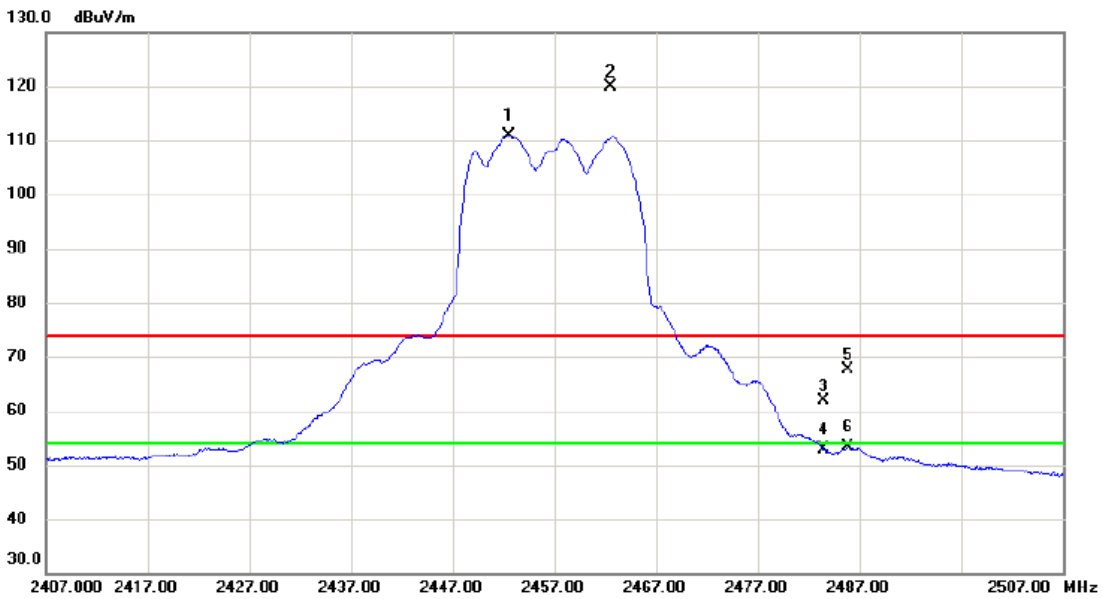
REMARKS:

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

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

Test Mode: TX G Mode 2457 MHz

Vertical



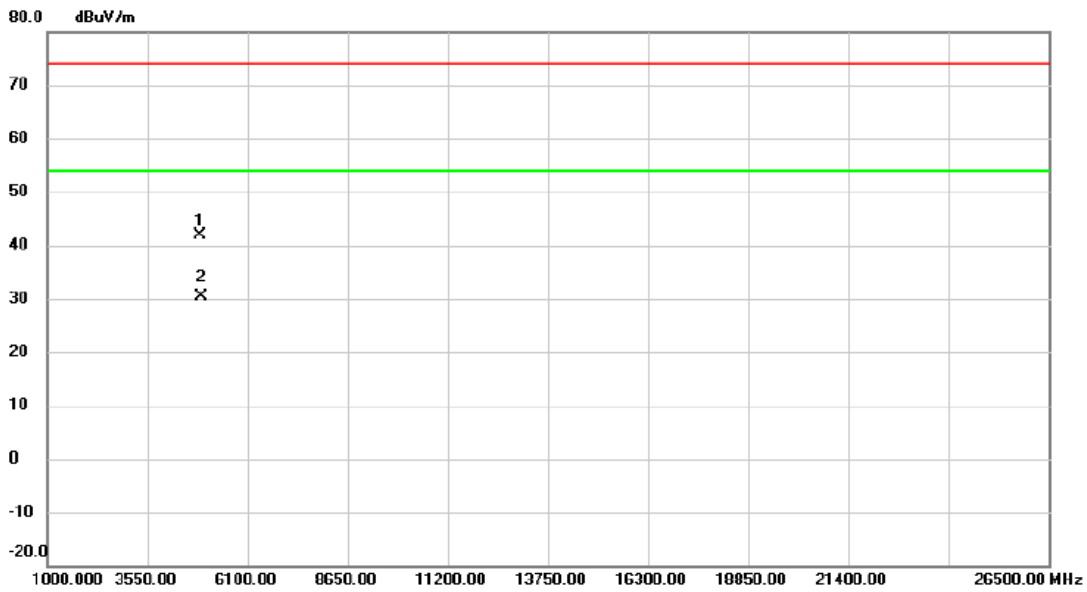
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2452.560	100.19	10.69	110.88	54.00	56.88	AVG	No Limit
2	X	2462.570	109.16	10.73	119.89	74.00	45.89	peak	No Limit
3		2483.500	51.07	10.77	61.84	74.00	-12.16	peak	
4		2483.500	42.22	10.77	52.99	54.00	-1.01	AVG	
5		2485.800	56.74	10.78	67.52	74.00	-6.48	peak	
6		2485.800	42.48	10.78	53.26	54.00	-0.74	AVG	

REMARKS:

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

Test Mode: TX G Mode 2457 MHz

Vertical



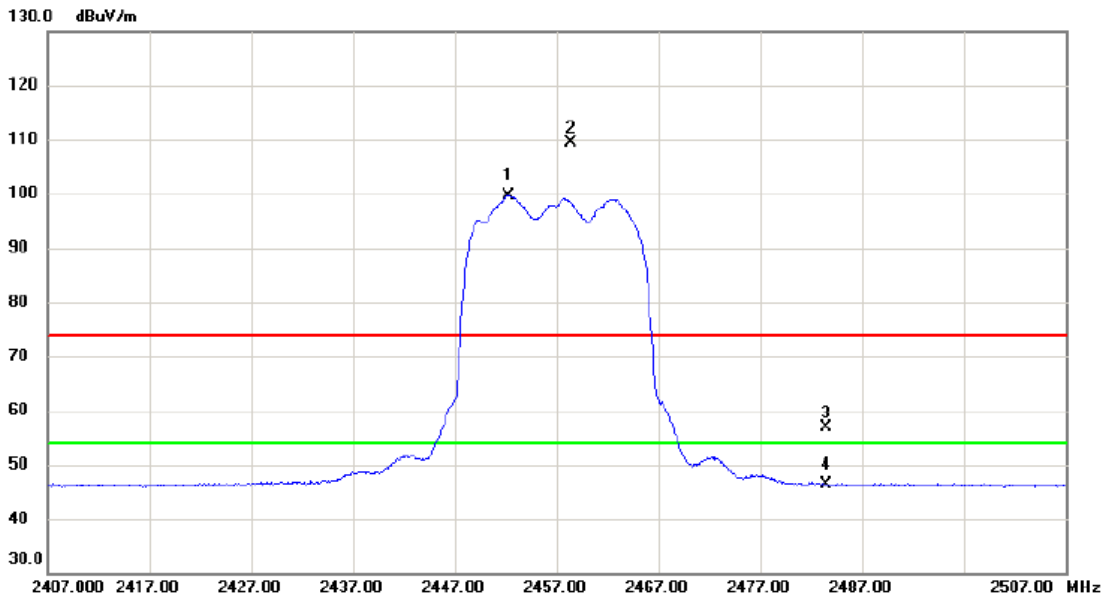
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4909.625	34.92	6.99	41.91	74.00	-32.09	peak	
2	*	4917.225	23.40	7.01	30.41	54.00	-23.59	AVG	

REMARKS:

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

Test Mode: TX G Mode 2457 MHz

Horizontal



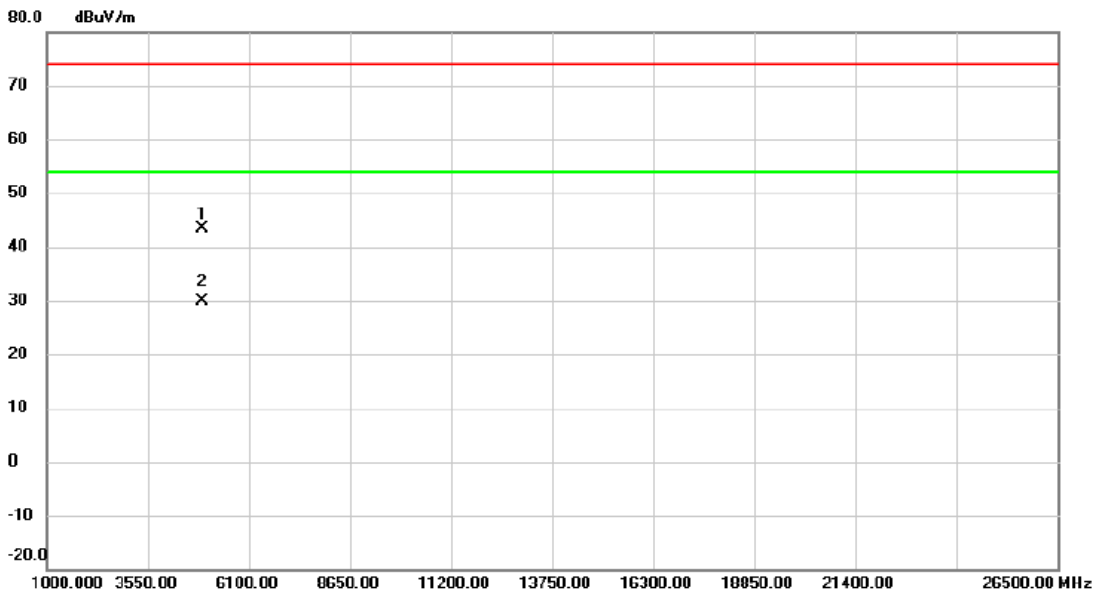
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2452.300	88.98	10.67	99.65	54.00	45.65	AVG	No Limit
2	X	2458.400	98.67	10.69	109.36	74.00	35.36	peak	No Limit
3		2483.500	46.22	10.76	56.98	74.00	-17.02	peak	
4		2483.500	35.53	10.76	46.29	54.00	-7.71	AVG	

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		4913.739	36.41	7.00	43.41	74.00	-30.59	peak	
2	*	4914.386	22.80	7.00	29.80	54.00	-24.20	AVG	

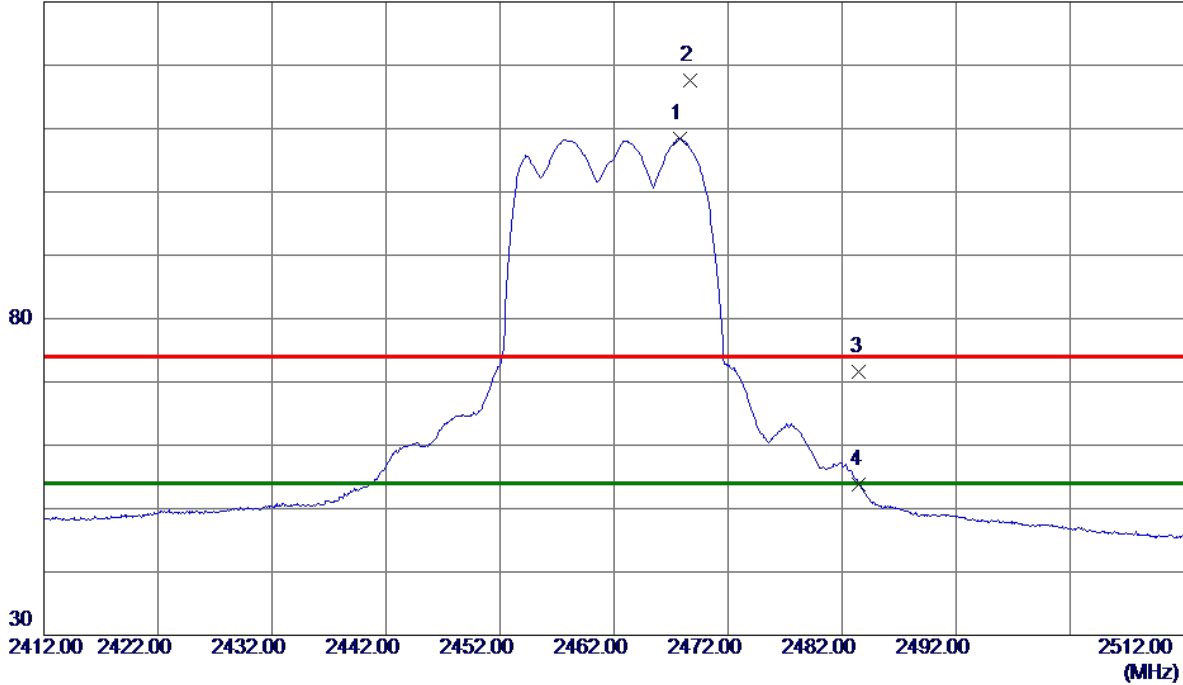
REMARKS:

- (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 *	2467.7700	97.72	10.74	108.46	54.00	54.46	AVG	No Limit
2	2468.6200	106.86	10.74	117.60	74.00	43.60	Peak	No Limit
3	2483.5000	60.92	10.77	71.69	74.00	-2.31	Peak	
4	2483.5000	43.01	10.77	53.78	54.00	-0.22	AVG	

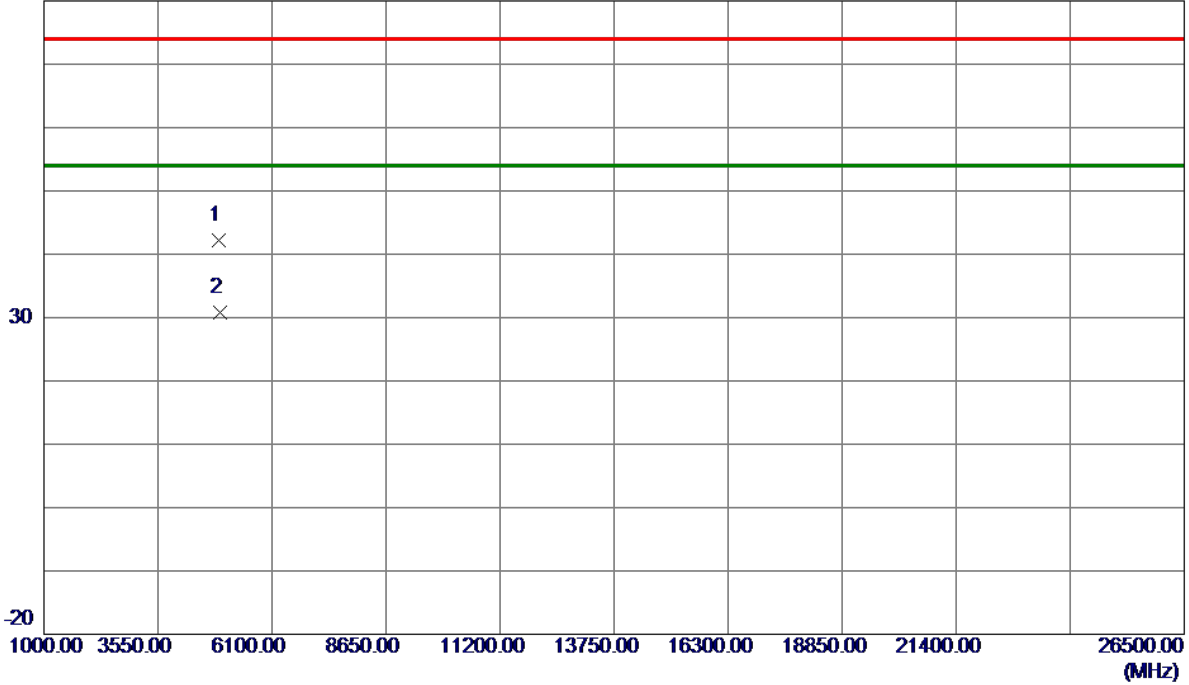
REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4918.2250	35.13	7.01	42.14	74.00	-31.86	Peak	
2 *	4928.0500	23.77	7.04	30.81	54.00	-23.19	AVG	

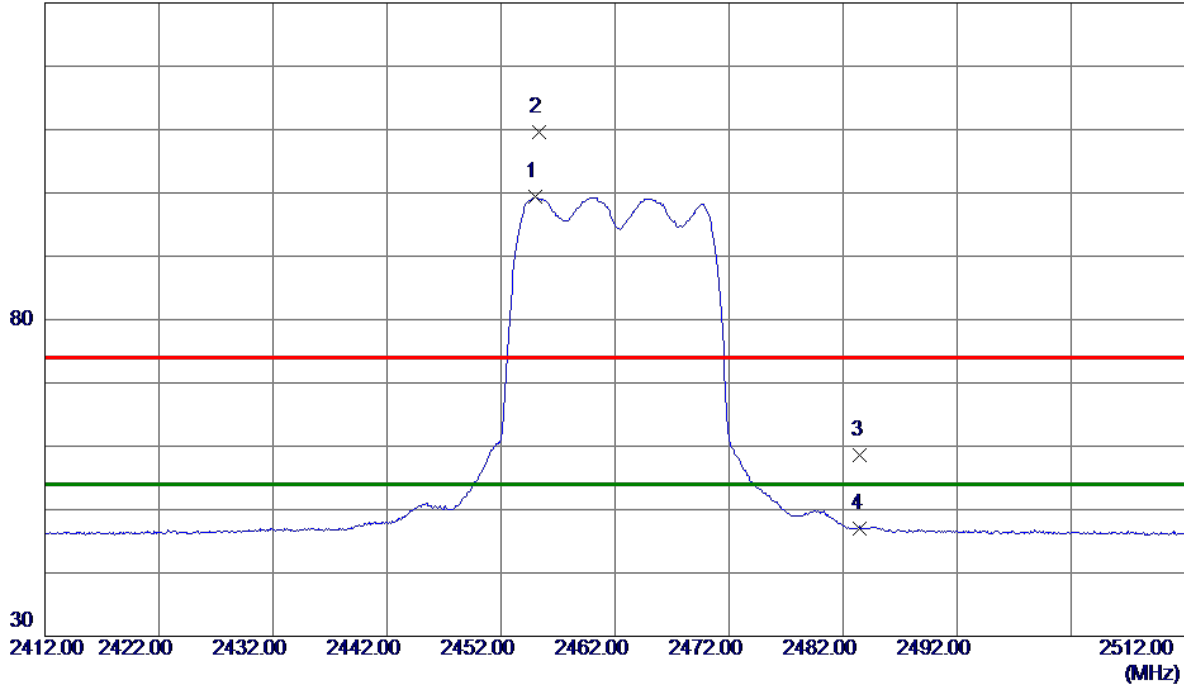
REMARKS:

- (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 *	2454.9500	88.68	10.68	99.36	54.00	45.36	AVG	No Limit
2	2455.3500	98.92	10.68	109.60	74.00	35.60	Peak	No Limit
3	2483.5000	47.91	10.76	58.67	74.00	-15.33	Peak	
4	2483.5000	36.15	10.76	46.91	54.00	-7.09	AVG	

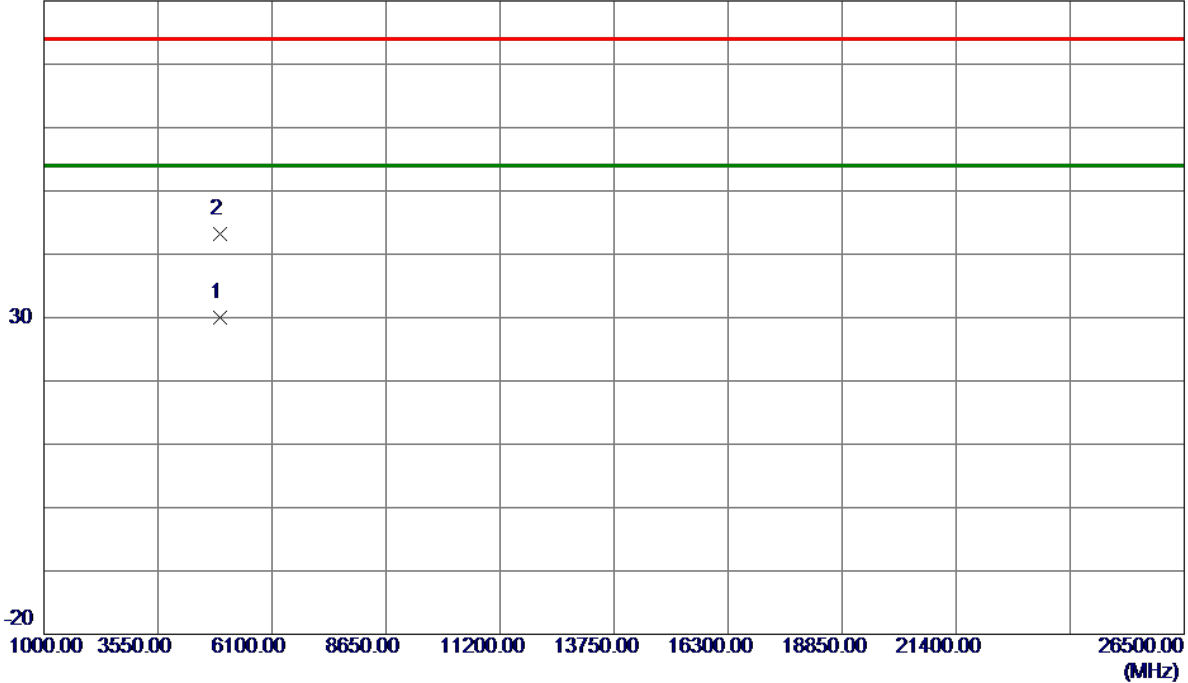
REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.5640	23.04	7.03	30.07	54.00	-23.93	AVG	
2	4924.8500	36.14	7.03	43.17	74.00	-30.83	Peak	

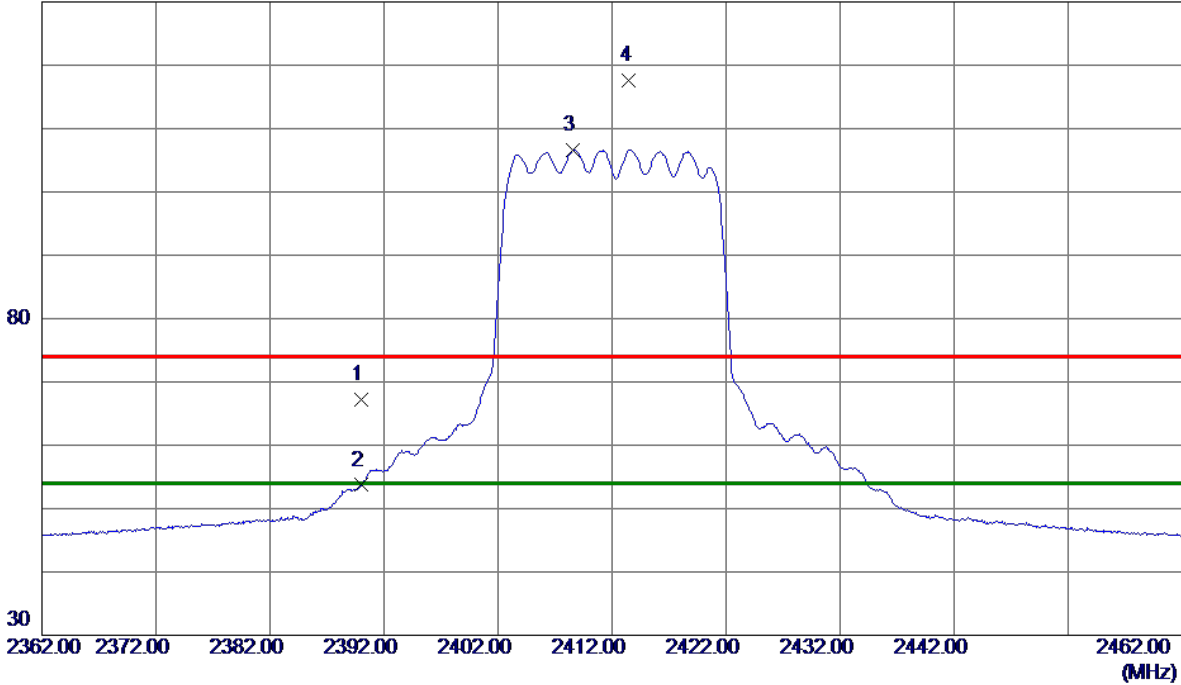
REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Vertical

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	56.70	10.56	67.26	74.00	-6.74	Peak	
2	2390.0000	43.14	10.56	53.70	54.00	-0.30	AVG	
3 *	2408.5800	96.03	10.60	106.63	54.00	52.63	AVG	No Limit
4	2413.5000	107.06	10.61	117.67	74.00	43.67	Peak	No Limit

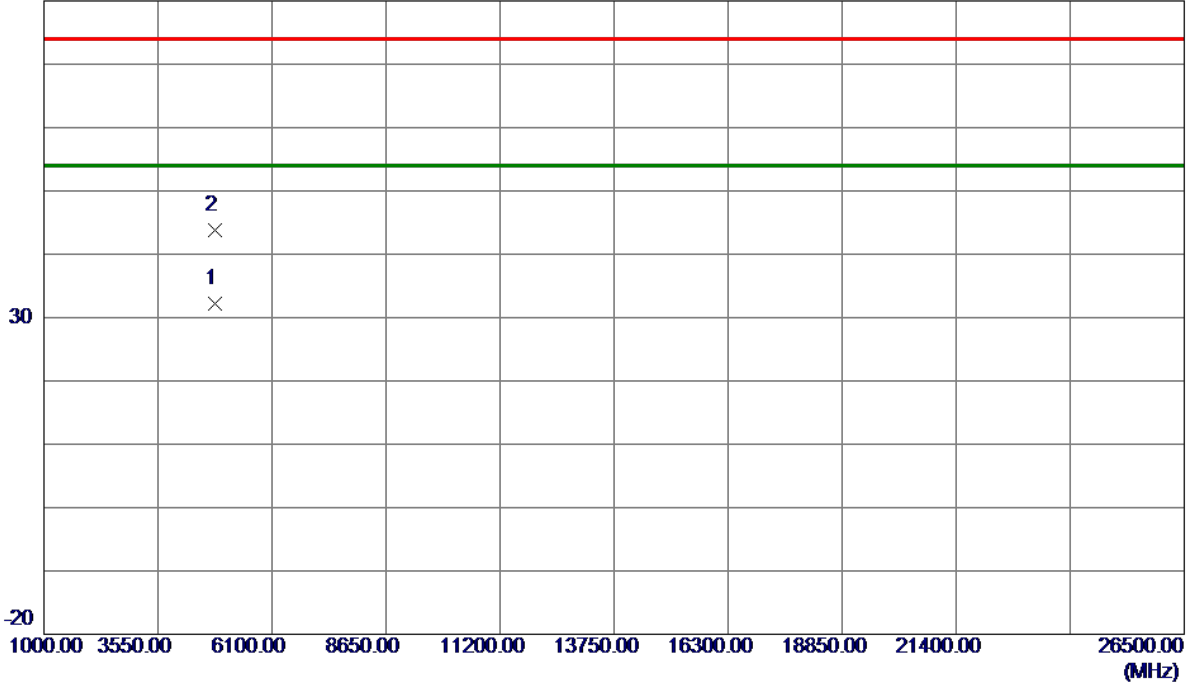
REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Vertical

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 *	4823.8250	25.53	6.72	32.25	54.00	-21.75	AVG	
2	4825.6000	37.13	6.72	43.85	74.00	-30.15	Peak	

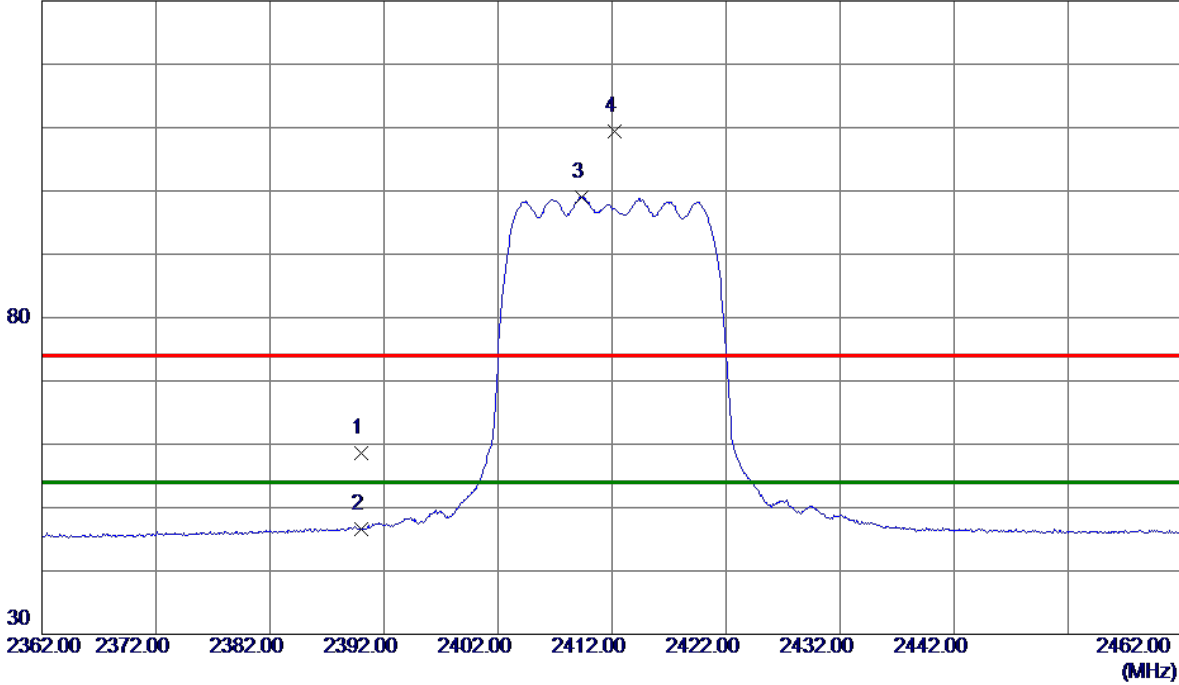
REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Horizontal

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	48.18	10.50	58.68	74.00	-15.32	Peak	
2	2390.0000	36.14	10.50	46.64	54.00	-7.36	AVG	
3 *	2409.3000	88.47	10.55	99.02	54.00	45.02	AVG	No Limit
4	2412.2500	98.79	10.56	109.35	74.00	35.35	Peak	No Limit

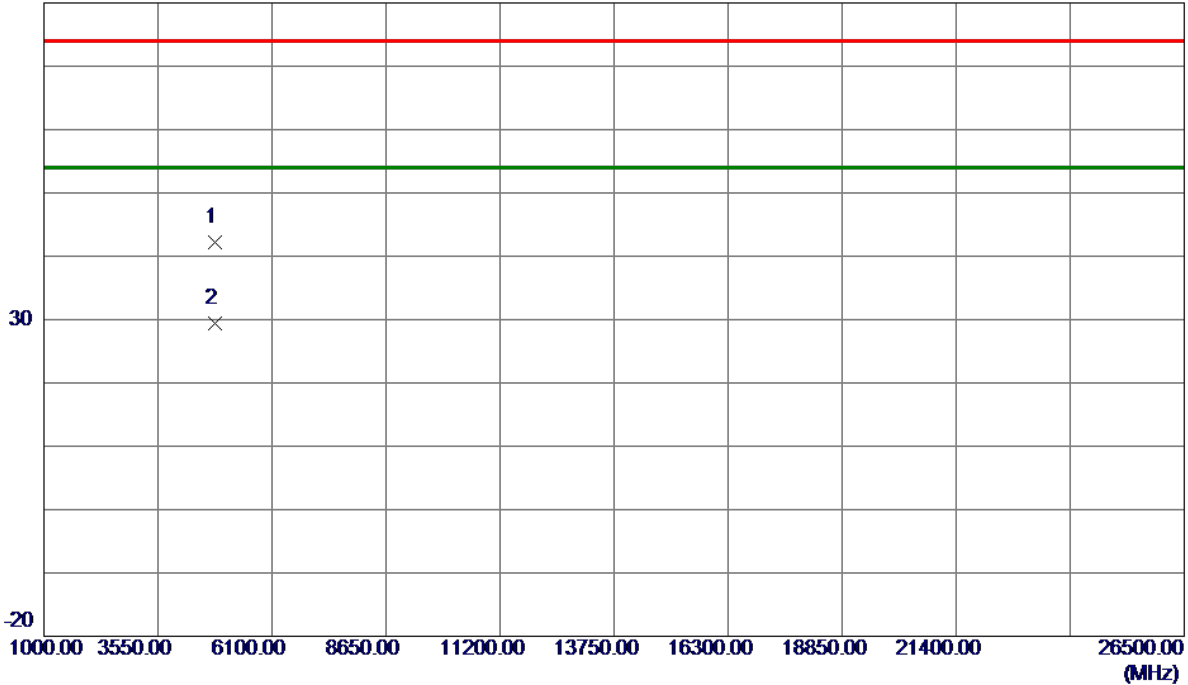
REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Horizontal

80 dBuV/m



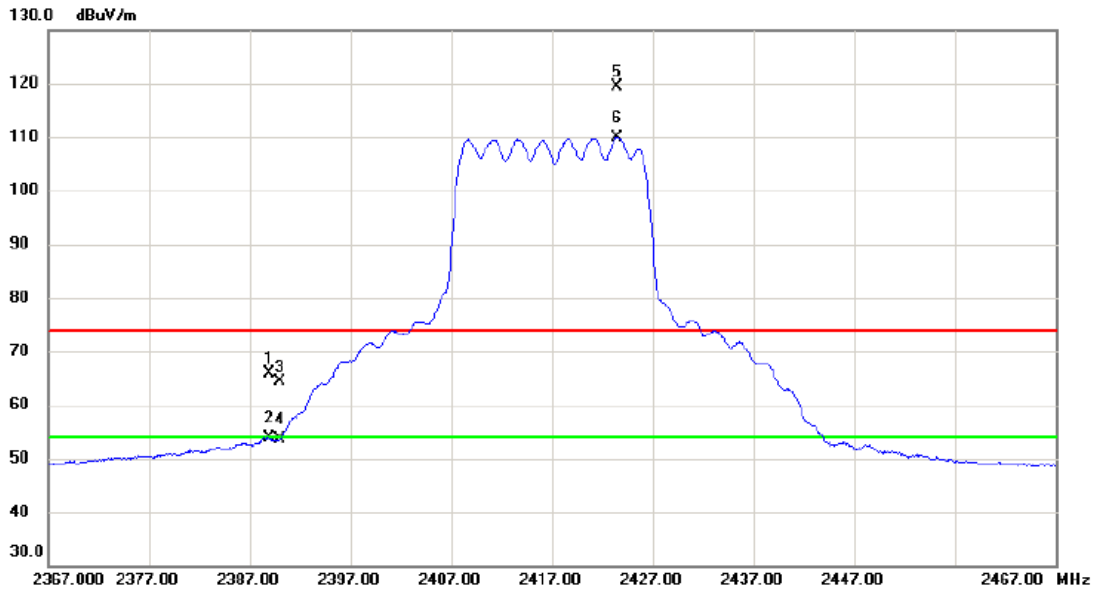
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.2919	35.50	6.72	42.22	74.00	-31.78	Peak	
2 *	4824.6100	22.77	6.72	29.49	54.00	-24.51	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2417 MHz

Vertical



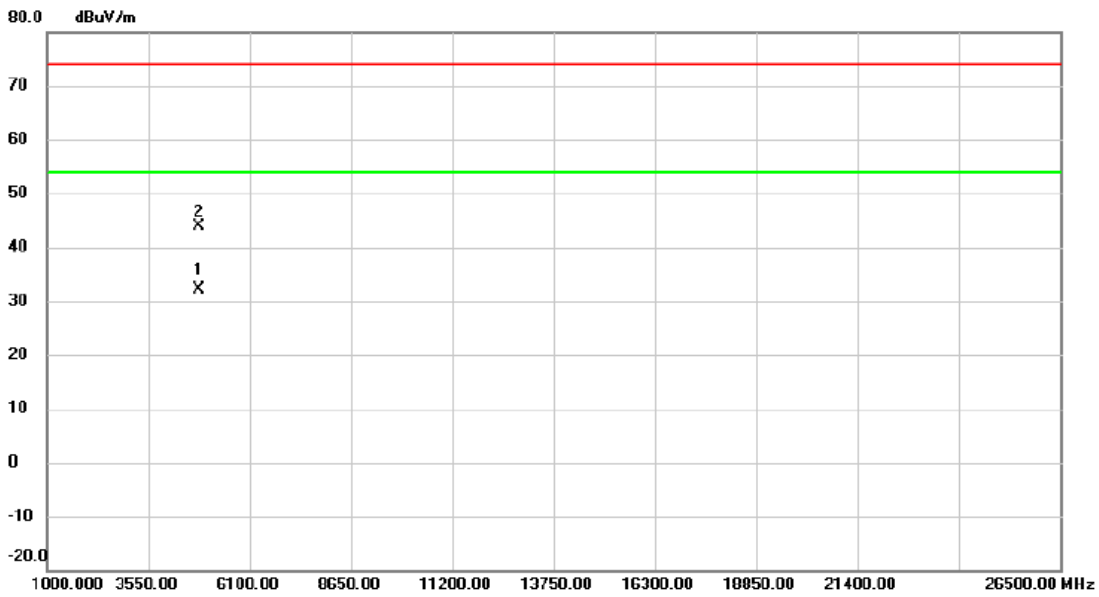
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2388.920	55.29	10.56	65.85	74.00	-8.15	peak	
2		2388.920	43.25	10.56	53.81	54.00	-0.19	AVG	
3		2390.000	53.93	10.56	64.49	74.00	-9.51	peak	
4		2390.000	42.99	10.56	53.55	54.00	-0.45	AVG	
5	X	2423.440	108.78	10.64	119.42	74.00	45.42	peak	No Limit
6	*	2423.460	99.22	10.64	109.86	54.00	55.86	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

Vertical



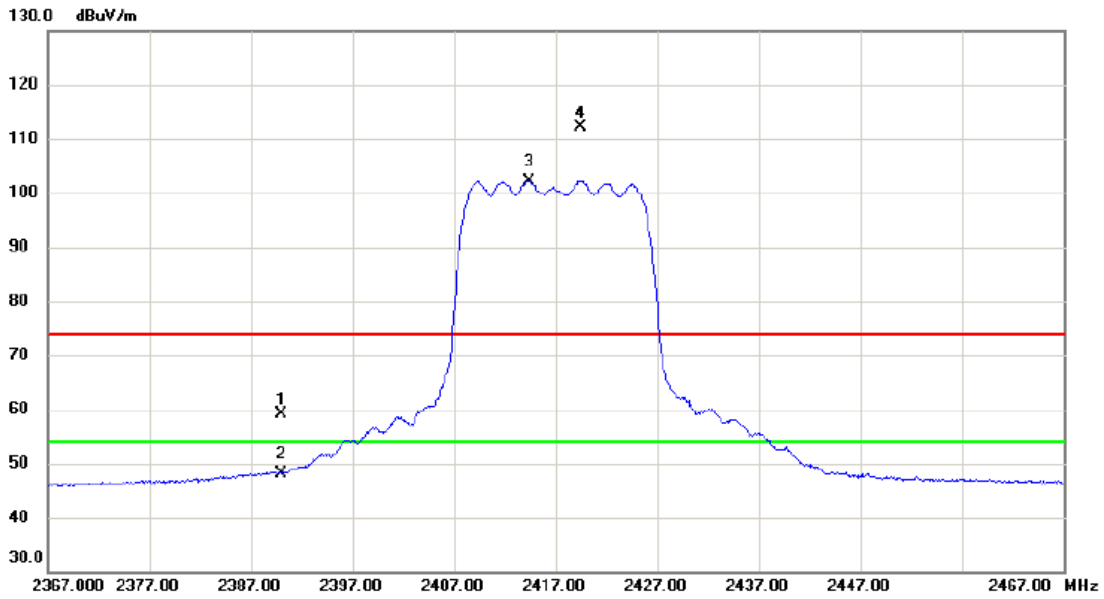
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4833.600	25.48	6.74	32.22	54.00	-21.78	AVG	
2		4836.350	37.08	6.76	43.84	74.00	-30.16	peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2417 MHz

Horizontal



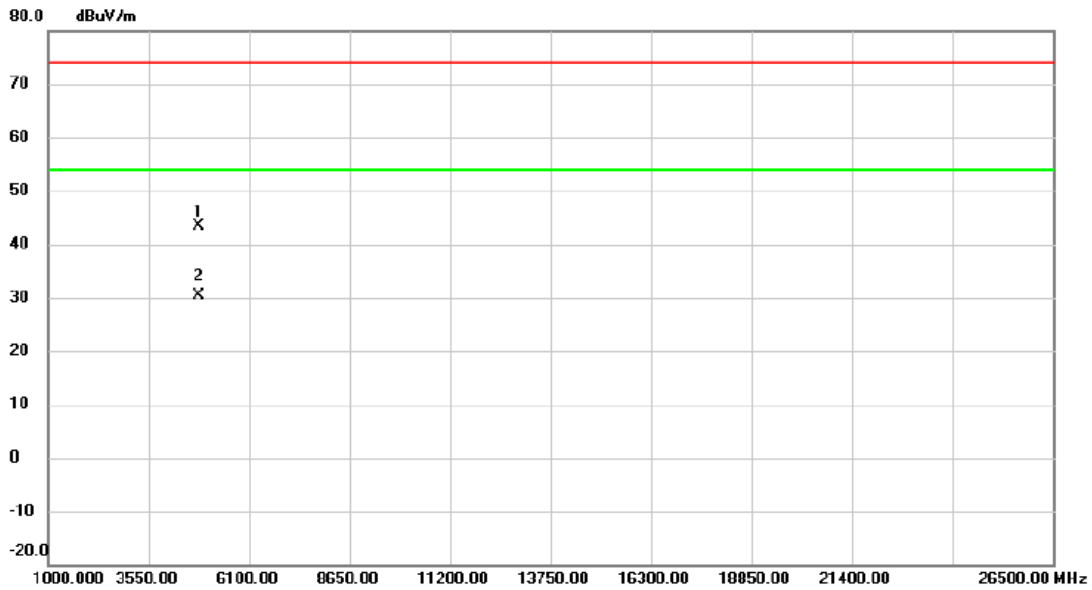
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.000	48.63	10.50	59.13	74.00	-14.87	peak	
2	2390.000	37.62	10.50	48.12	54.00	-5.88	AVG	
3 *	2414.350	91.67	10.56	102.23	54.00	48.23	AVG	No Limit
4 X	2419.500	101.49	10.58	112.07	74.00	38.07	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. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4832.280	36.67	6.74	43.41	74.00	-30.59	peak	
2	*	4834.257	23.58	6.75	30.33	54.00	-23.67	AVG	

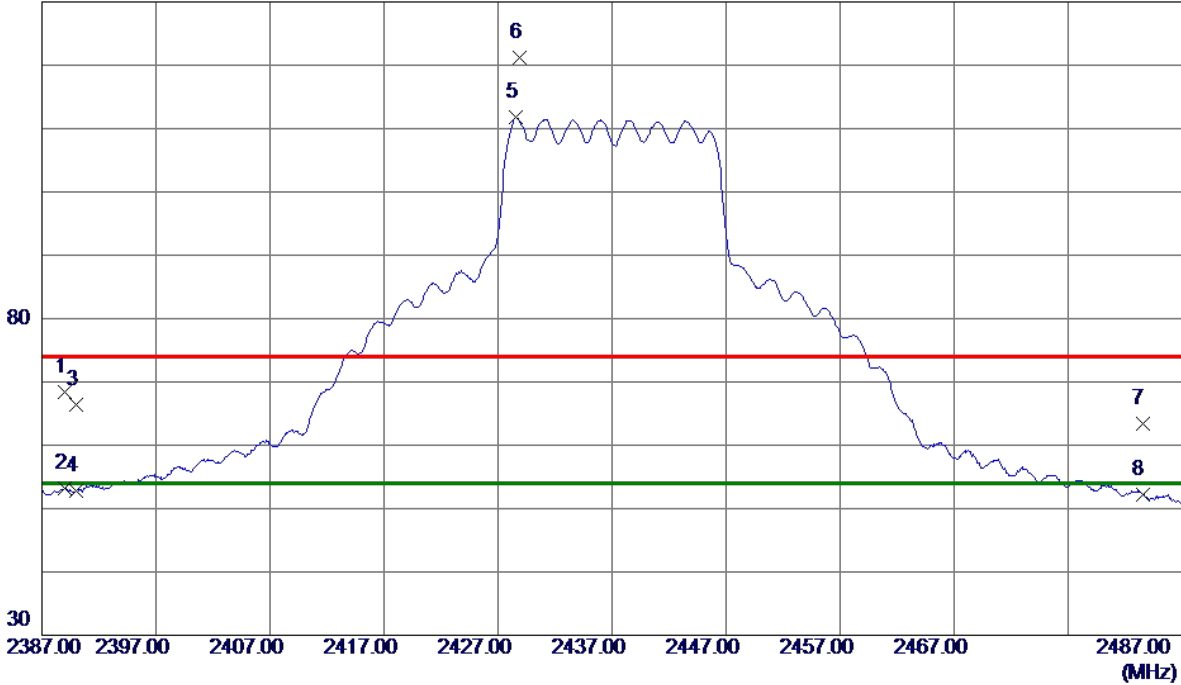
REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Vertical

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	2388.9700	57.84	10.56	68.40	74.00	-5.60	Peak	
2	2388.9700	42.66	10.56	53.22	54.00	-0.78	AVG	
3	2390.0000	55.76	10.56	66.32	74.00	-7.68	Peak	
4	2390.0000	42.15	10.56	52.71	54.00	-1.29	AVG	
5 *	2428.6100	101.12	10.65	111.77	54.00	57.77	AVG	No Limit
6	2428.8799	110.63	10.65	121.28	74.00	47.28	Peak	No Limit
7	2483.5000	52.71	10.77	63.48	74.00	-10.52	Peak	
8	2483.5000	41.51	10.77	52.28	54.00	-1.72	AVG	

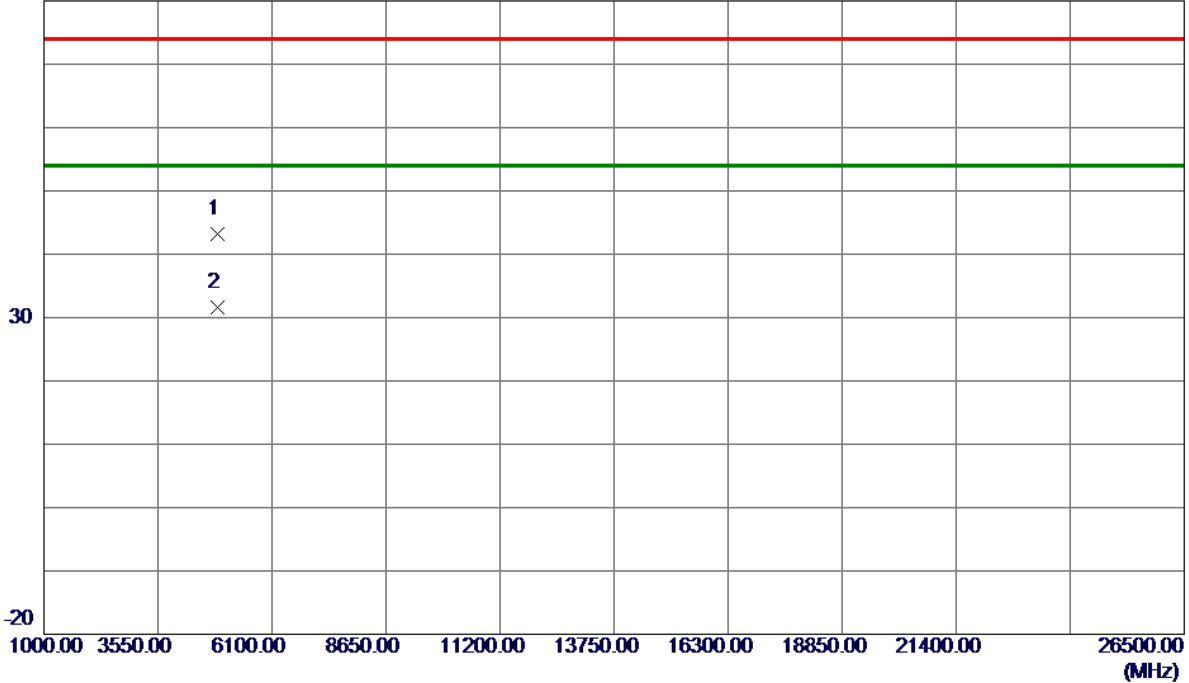
REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Vertical

80 dBuV/m



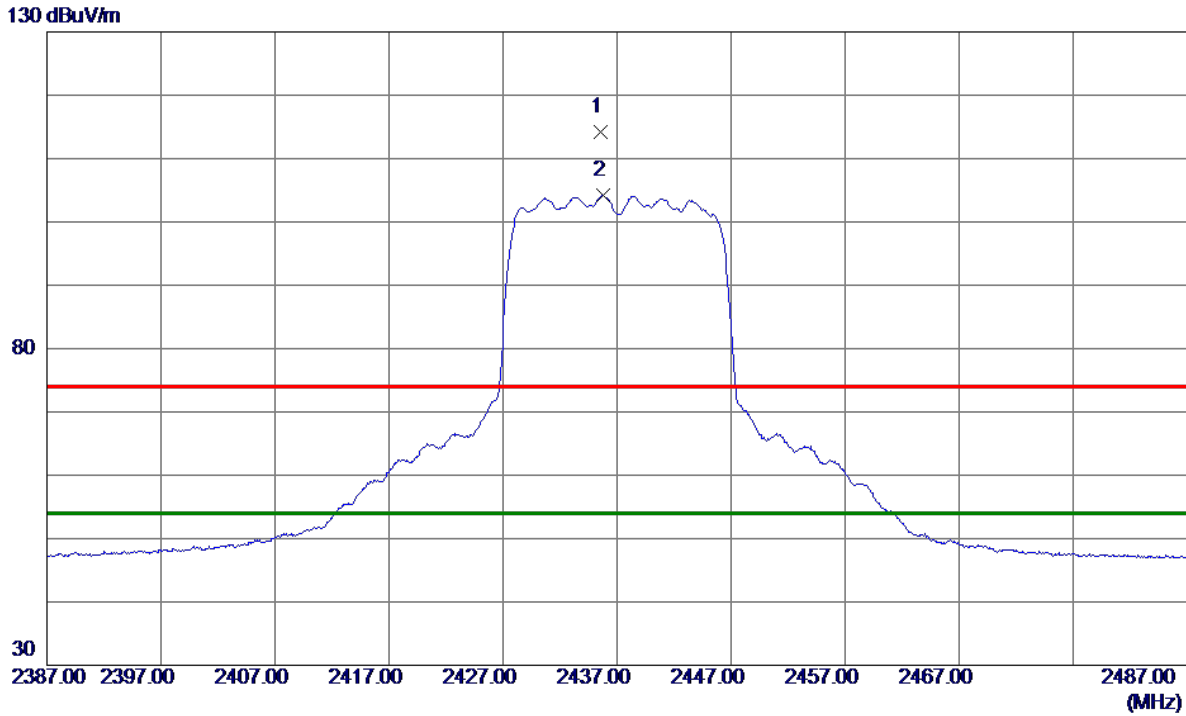
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4872.7750	36.37	6.87	43.24	74.00	-30.76	Peak	
2 *	4873.4500	24.73	6.87	31.60	54.00	-22.40	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2435.6000	103.52	10.63	114.15	74.00	40.15	Peak	No Limit
2 *	2435.8000	93.55	10.63	104.18	54.00	50.18	AVG	No Limit

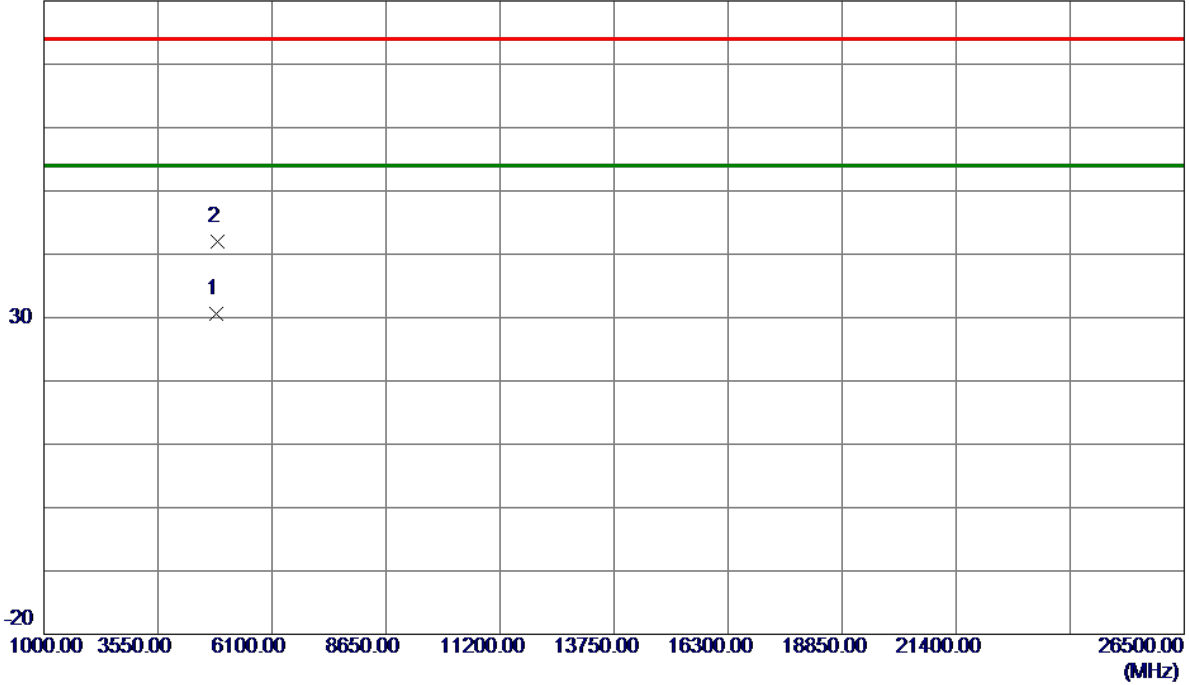
REMARKS:

- (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



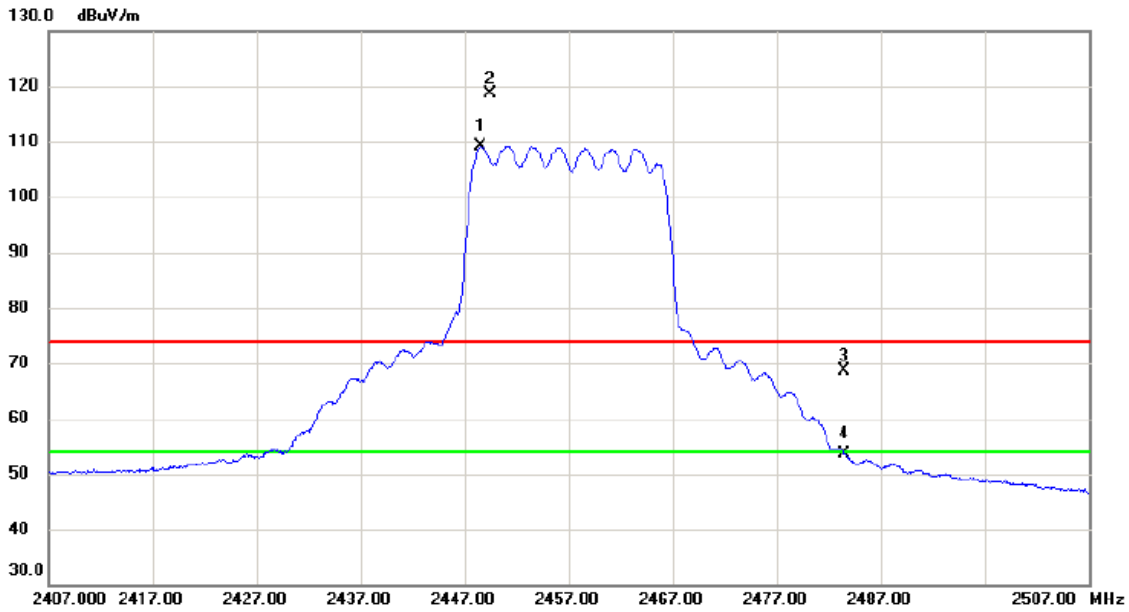
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4863.4640	23.69	6.84	30.53	54.00	-23.47	AVG	
2	4872.1110	35.22	6.87	42.09	74.00	-31.91	Peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2457 MHz

Vertical



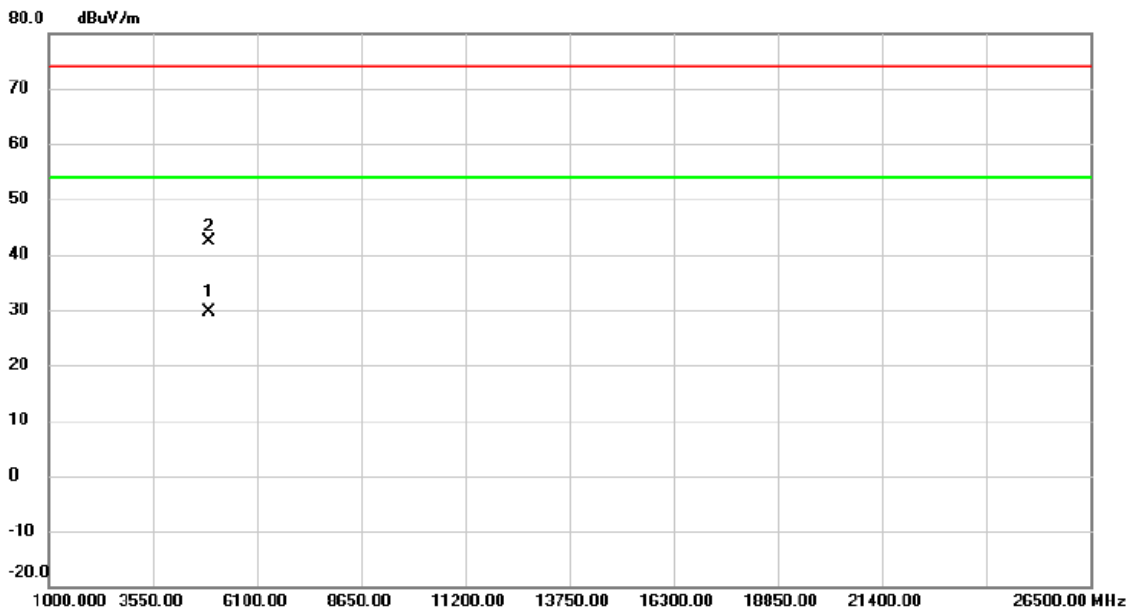
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2448.520	98.52	10.70	109.22	54.00	55.22	AVG	No Limit
2	X	2449.480	107.95	10.70	118.65	74.00	44.65	peak	No Limit
3		2483.500	57.81	10.77	68.58	74.00	-5.42	peak	
4		2483.500	42.93	10.77	53.70	54.00	-0.30	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



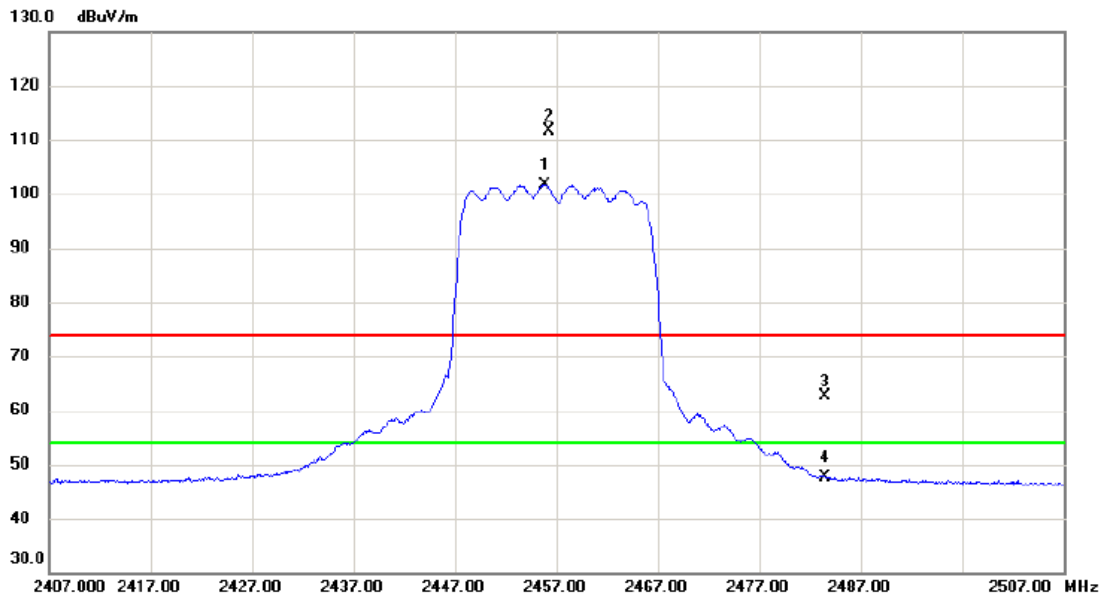
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4913.600	22.67	7.00	29.67	54.00	-24.33	AVG	
2		4918.975	35.30	7.01	42.31	74.00	-31.69	peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2457 MHz

Horizontal



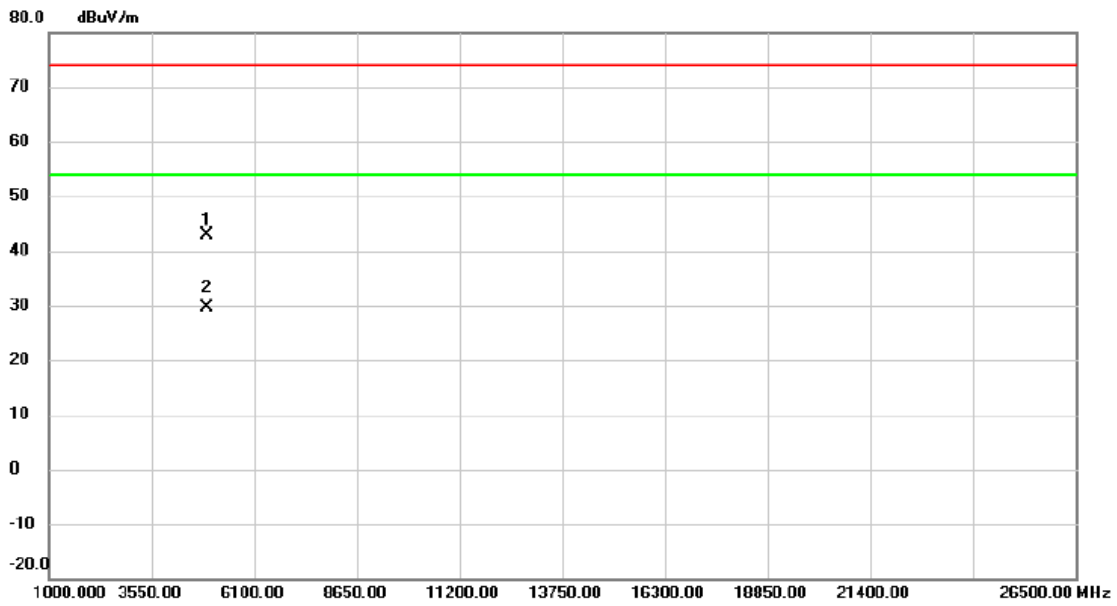
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2455.800	91.04	10.68	101.72	54.00	47.72	AVG	No Limit
2	X	2456.250	101.05	10.68	111.73	74.00	37.73	peak	No Limit
3		2483.500	51.83	10.76	62.59	74.00	-11.41	peak	
4		2483.500	36.95	10.76	47.71	54.00	-6.29	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



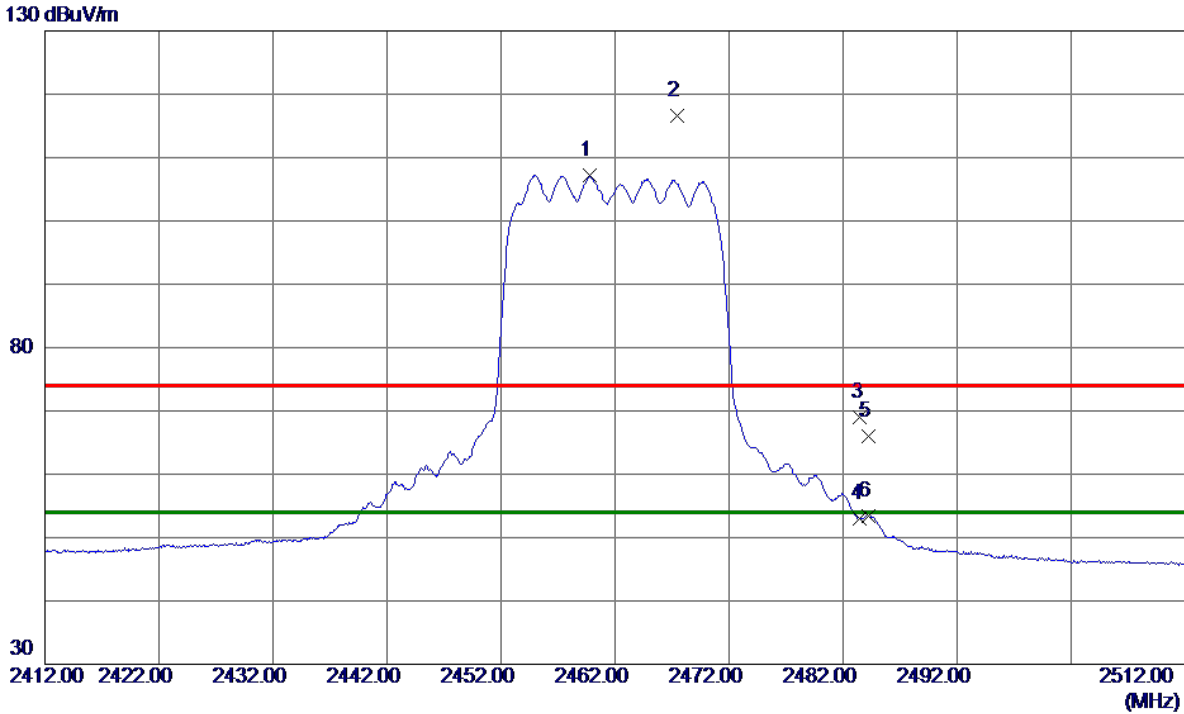
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4912.118	35.91	7.00	42.91	74.00	-31.09	peak	
2 *	4916.458	22.62	7.01	29.63	54.00	-24.37	AVG	

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.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2459.8000	96.41	10.72	107.13	54.00	53.13	AVG	No Limit
2	2467.4800	105.95	10.74	116.69	74.00	42.69	Peak	No Limit
3	2483.5000	58.27	10.77	69.04	74.00	-4.96	Peak	
4	2483.5000	42.15	10.77	52.92	54.00	-1.08	AVG	
5	2484.2700	55.24	10.77	66.01	74.00	-7.99	Peak	
6	2484.2700	42.61	10.77	53.38	54.00	-0.62	AVG	

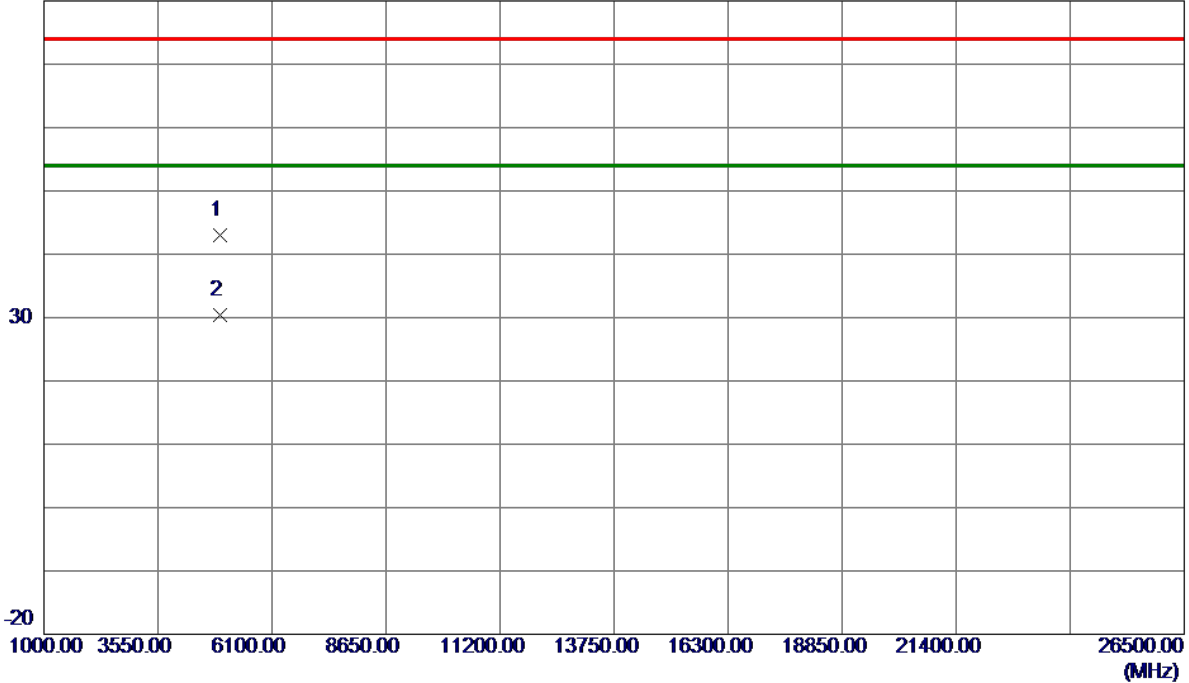
REMARKS:

- (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



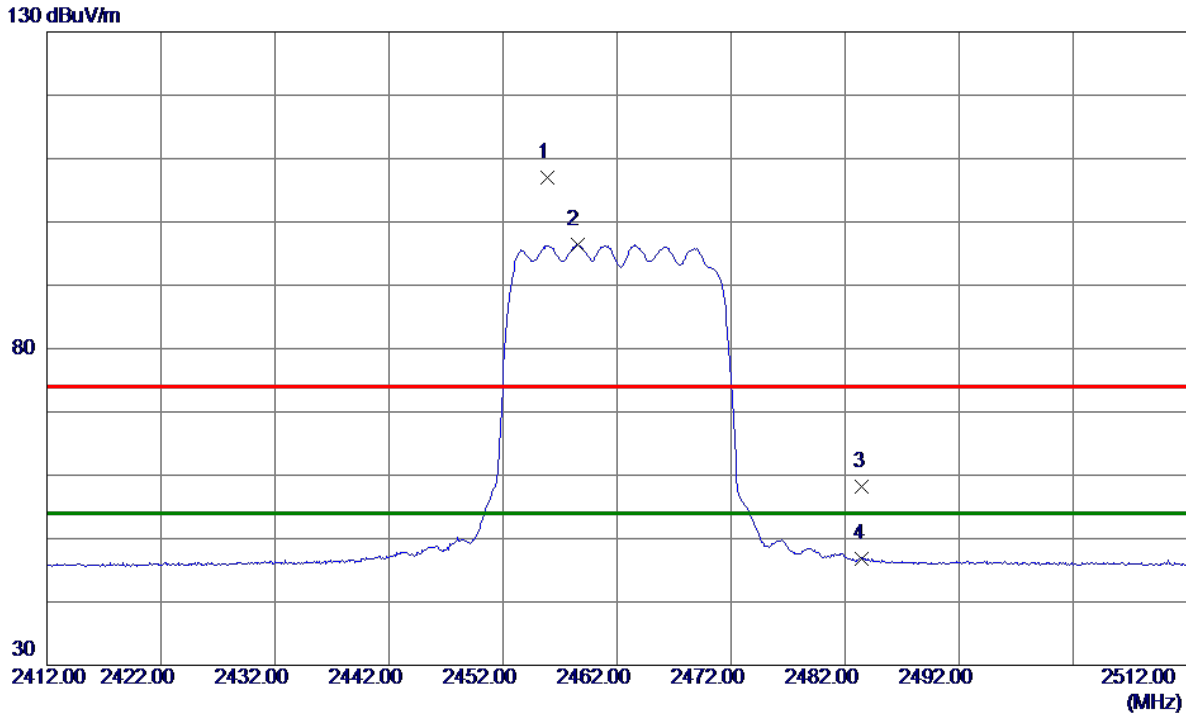
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4925.3750	35.89	7.03	42.92	74.00	-31.08	Peak	
2 *	4925.5000	23.32	7.03	30.35	54.00	-23.65	AVG	

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.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2455.8500	96.34	10.68	107.02	74.00	33.02	Peak	No Limit
2 *	2458.5000	85.69	10.69	96.38	54.00	42.38	AVG	No Limit
3	2483.5000	47.35	10.76	58.11	74.00	-15.89	Peak	
4	2483.5000	36.06	10.76	46.82	54.00	-7.18	AVG	

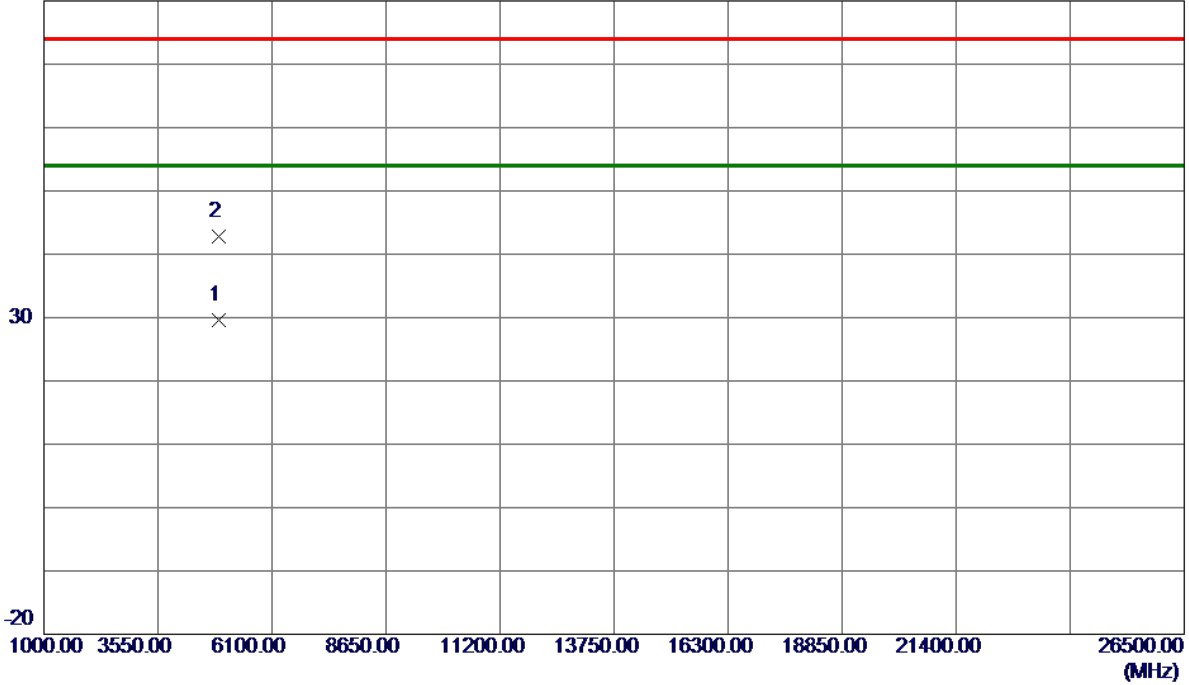
REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

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 *	4922.8980	22.55	7.02	29.57	54.00	-24.43	AVG	
2	4923.5500	35.75	7.03	42.78	74.00	-31.22	Peak	

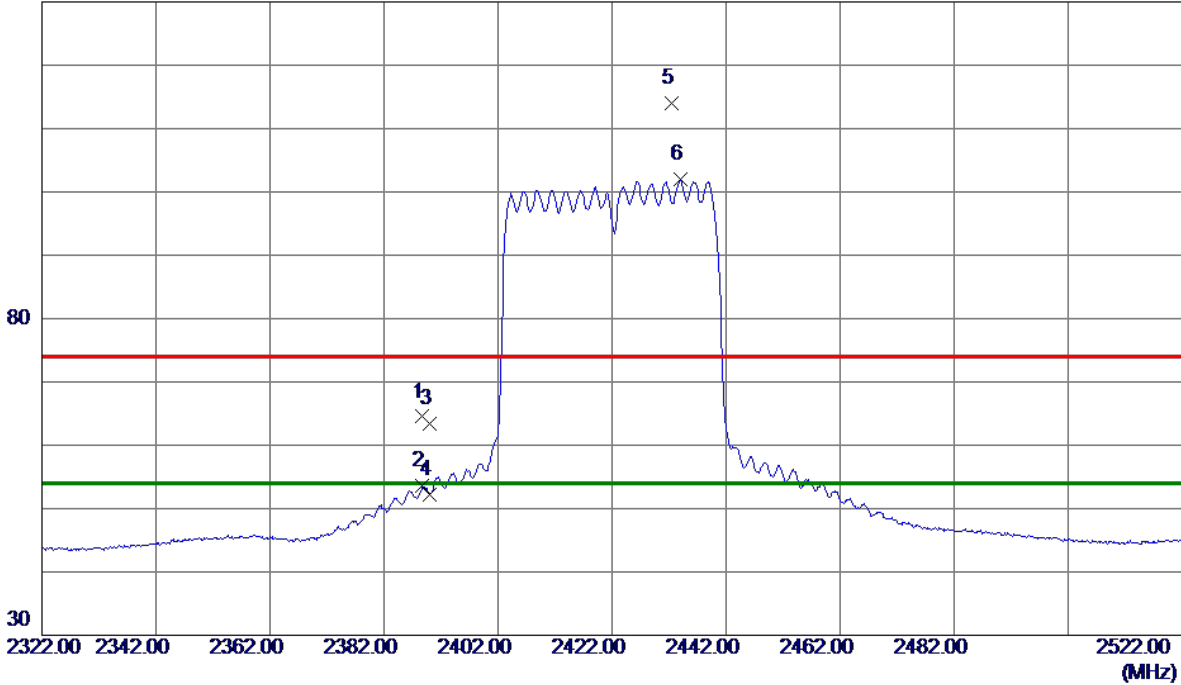
REMARKS:

- (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	2388.6600	53.94	10.56	64.50	74.00	-9.50	Peak	
2	2388.6600	43.01	10.56	53.57	54.00	-0.43	AVG	
3	2390.0000	52.77	10.56	63.33	74.00	-10.67	Peak	
4	2390.0000	41.69	10.56	52.25	54.00	-1.75	AVG	
5	2432.4800	103.26	10.66	113.92	74.00	39.92	Peak	No Limit
6 *	2433.9600	91.28	10.66	101.94	54.00	47.94	AVG	No Limit

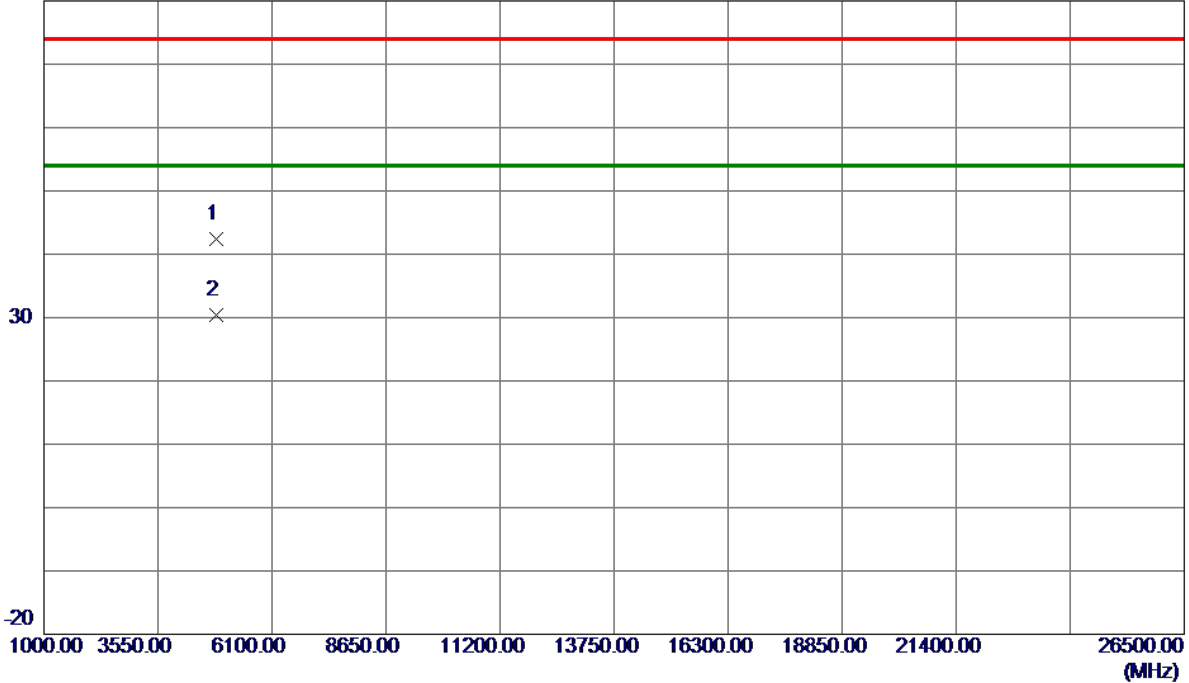
REMARKS:

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

Test Mode: TX N-40M Mode 2422 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4845.8600	35.58	6.79	42.37	74.00	-31.63	Peak	
2 *	4846.1900	23.64	6.79	30.43	54.00	-23.57	AVG	

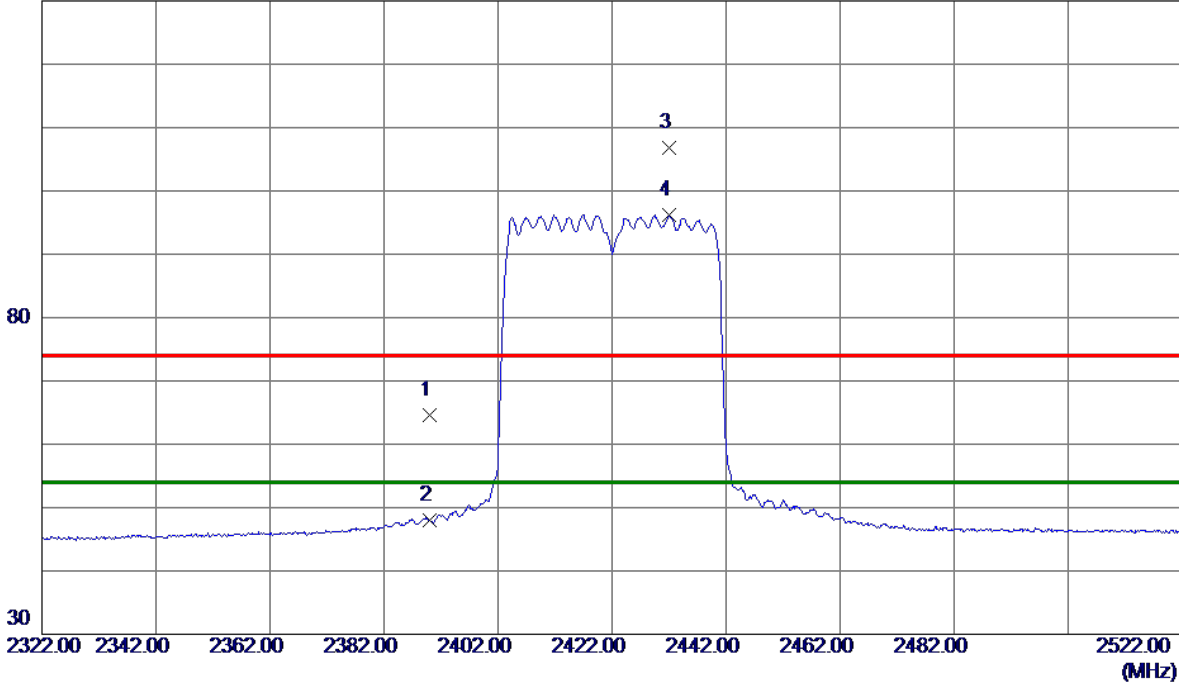
REMARKS:

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

Test Mode: TX N-40M Mode 2422 MHz

Horizontal

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	54.13	10.50	64.63	74.00	-9.37	Peak	
2	2390.0000	37.42	10.50	47.92	54.00	-6.08	AVG	
3	2432.0000	96.25	10.62	106.87	74.00	32.87	Peak	No Limit
4 *	2432.1000	85.55	10.62	96.17	54.00	42.17	AVG	No Limit

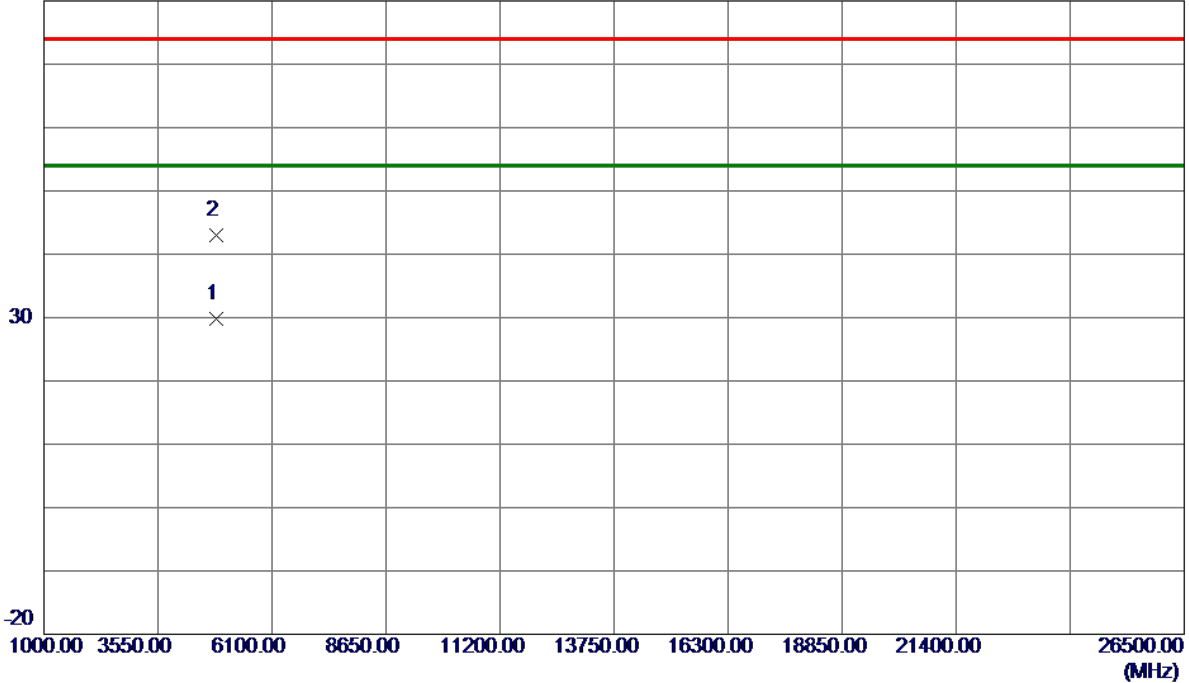
REMARKS:

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

Test Mode: TX N-40M Mode 2422 MHz

Horizontal

80 dBuV/m



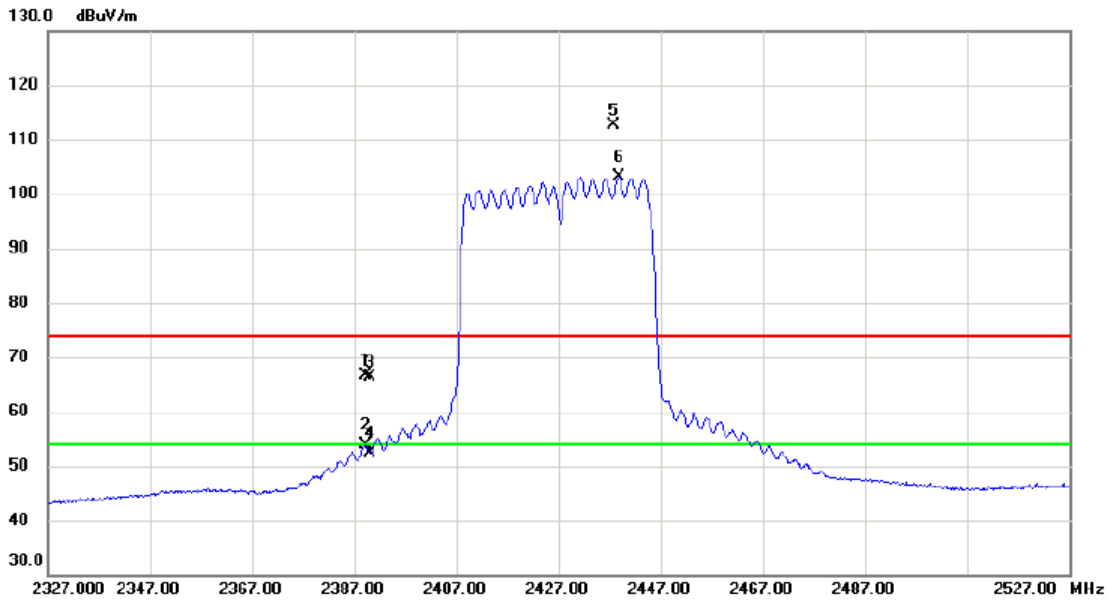
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4842.6320	23.01	6.78	29.79	54.00	-24.21	AVG	
2	4844.3000	36.27	6.78	43.05	74.00	-30.95	Peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2427 MHz

Vertical



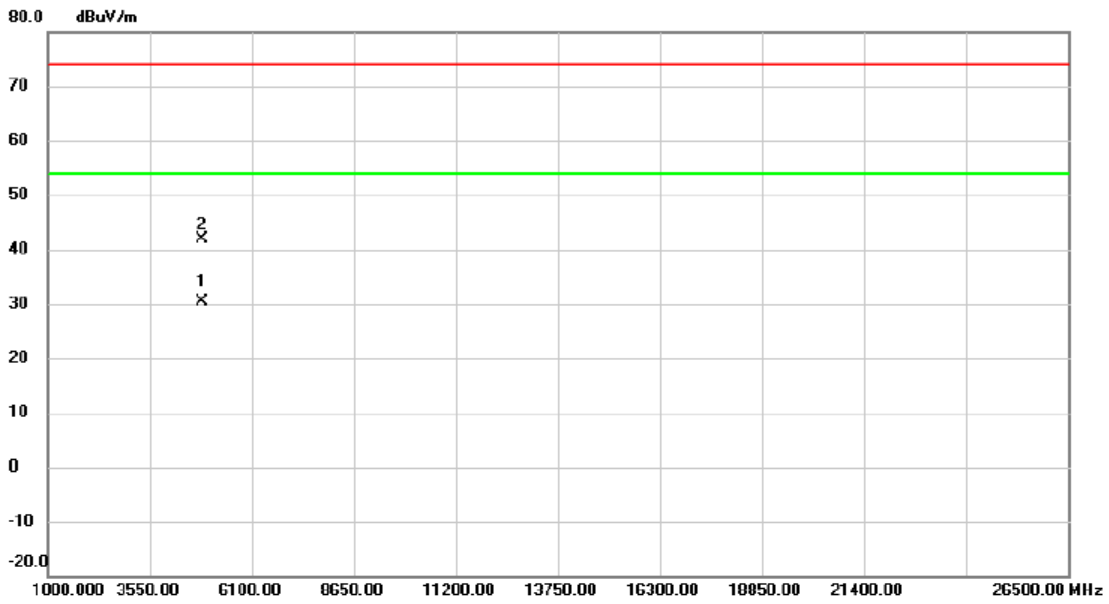
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2389.380	56.14	10.56	66.70	74.00	-7.30	peak	
2		2389.380	43.21	10.56	53.77	54.00	-0.23	AVG	
3		2390.000	55.89	10.56	66.45	74.00	-7.55	peak	
4		2390.000	41.85	10.56	52.41	54.00	-1.59	AVG	
5	X	2437.760	101.90	10.67	112.57	74.00	38.57	peak	No Limit
6	*	2438.920	92.42	10.67	103.09	54.00	49.09	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

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	4856.150	23.61	6.81	30.42	54.00	-23.58	AVG	
2		4856.285	35.10	6.81	41.91	74.00	-32.09	peak	

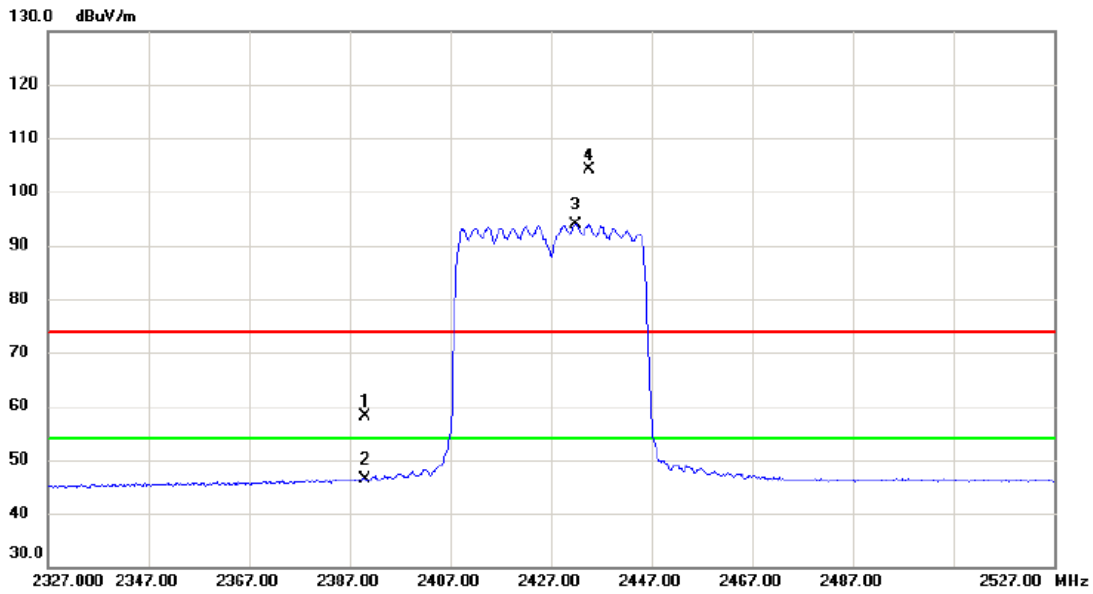
REMARKS:

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

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

Test Mode: TX N-40M Mode 2427 MHz

Horizontal



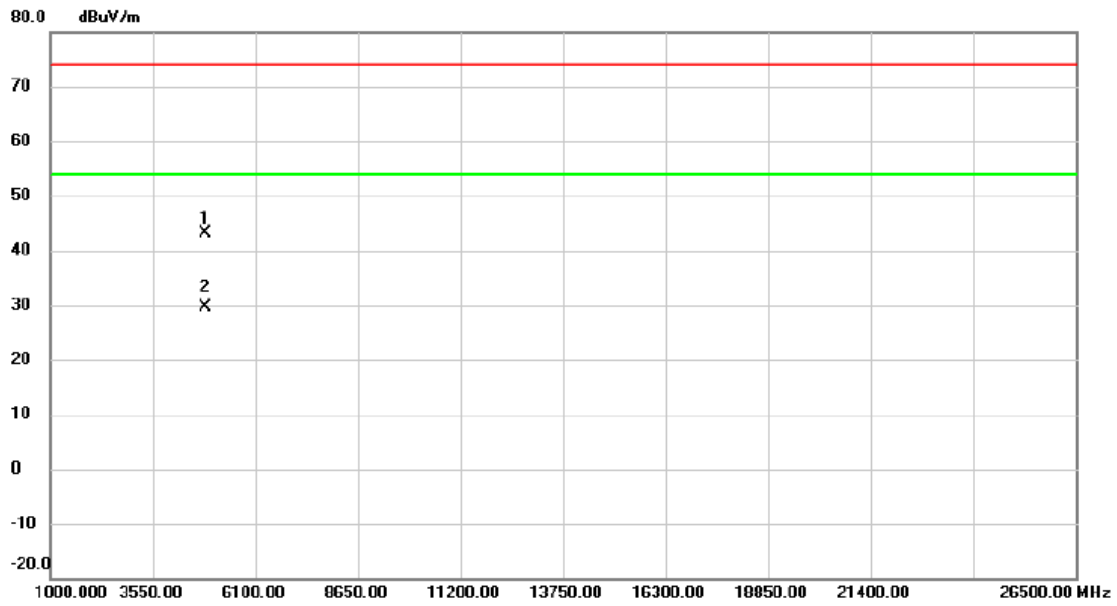
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	47.51	10.50	58.01	74.00	-15.99	peak	
2		2390.000	35.95	10.50	46.45	54.00	-7.55	AVG	
3	*	2432.000	83.31	10.61	93.92	54.00	39.92	AVG	No Limit
4	X	2434.600	93.54	10.62	104.16	74.00	30.16	peak	No Limit

REMARKS:

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

Test Mode: TX N-40M Mode 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	4852.495	36.33	6.81	43.14	74.00	-30.86	peak	
2 *	4853.755	22.91	6.81	29.72	54.00	-24.28	AVG	

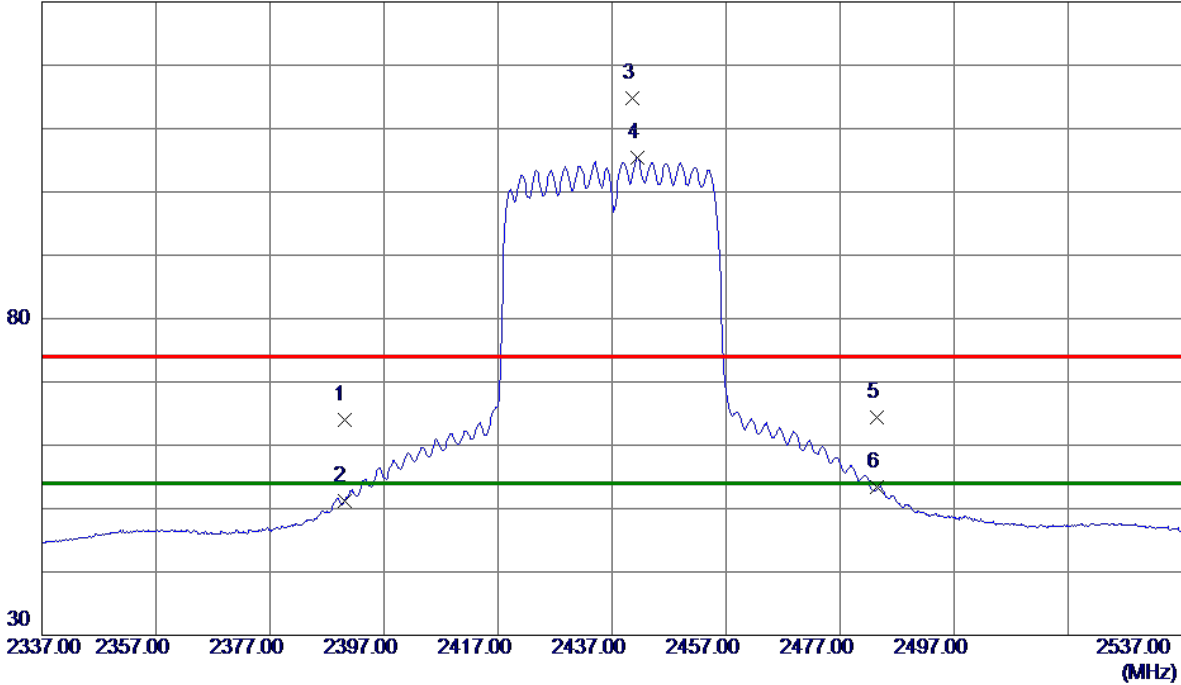
REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Vertical

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	53.45	10.56	64.01	74.00	-9.99	Peak	
2	2390.0000	40.70	10.56	51.26	54.00	-2.74	AVG	
3	2440.6200	104.14	10.68	114.82	74.00	40.82	Peak	No Limit
4 *	2441.4400	94.63	10.68	105.31	54.00	51.31	AVG	No Limit
5	2483.5000	53.67	10.77	64.44	74.00	-9.56	Peak	
6	2483.5000	42.56	10.77	53.33	54.00	-0.67	AVG	

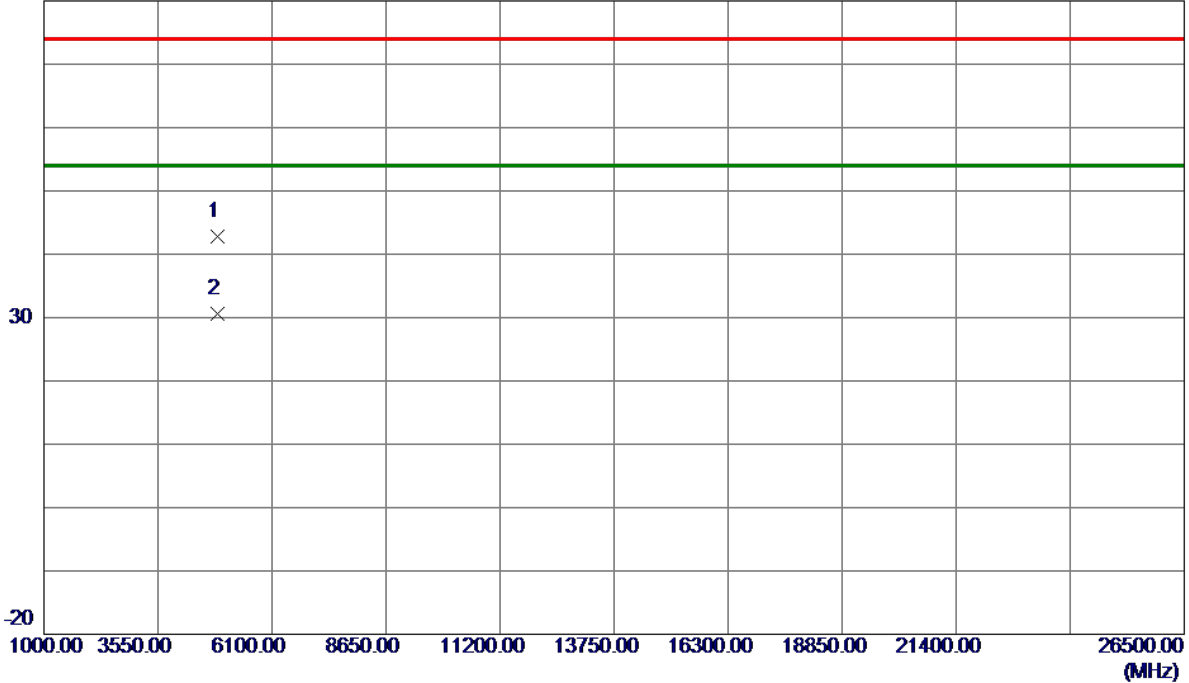
REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Vertical

80 dBuV/m



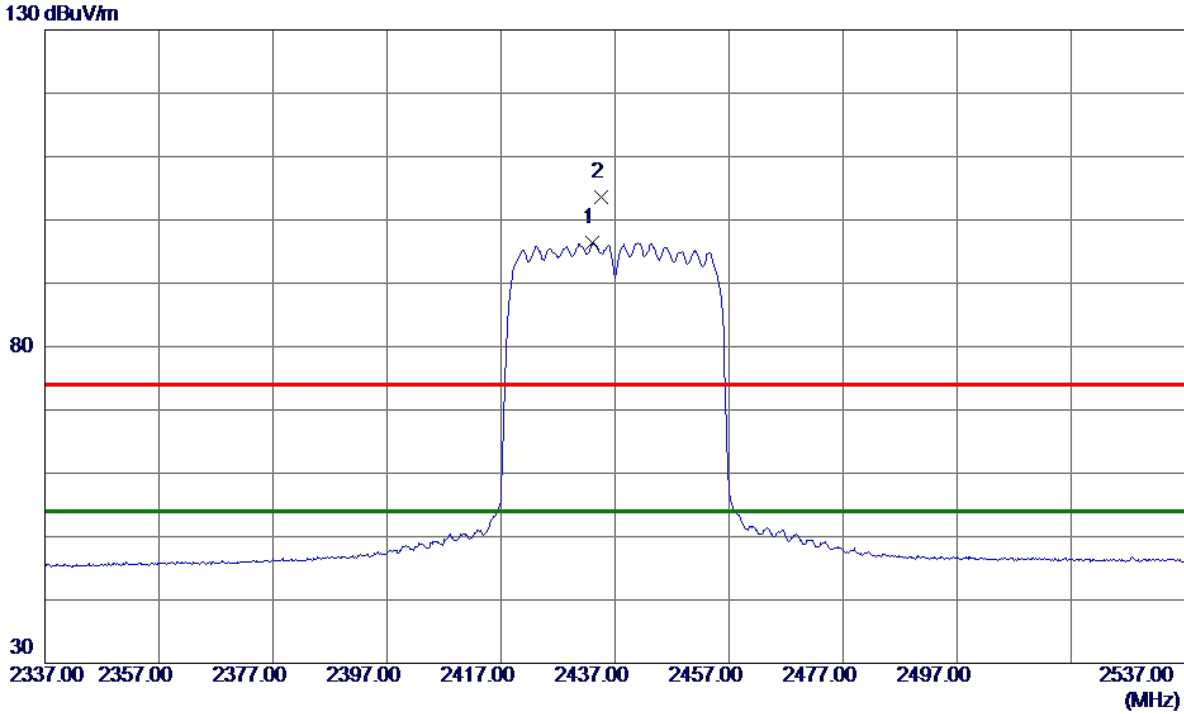
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4872.8350	35.85	6.87	42.72	74.00	-31.28	Peak	
2 *	4873.1700	23.82	6.87	30.69	54.00	-23.31	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2433.0000	85.78	10.62	96.40	54.00	42.40	AVG	No Limit
2	2434.6000	92.99	10.62	103.61	74.00	29.61	Peak	No Limit

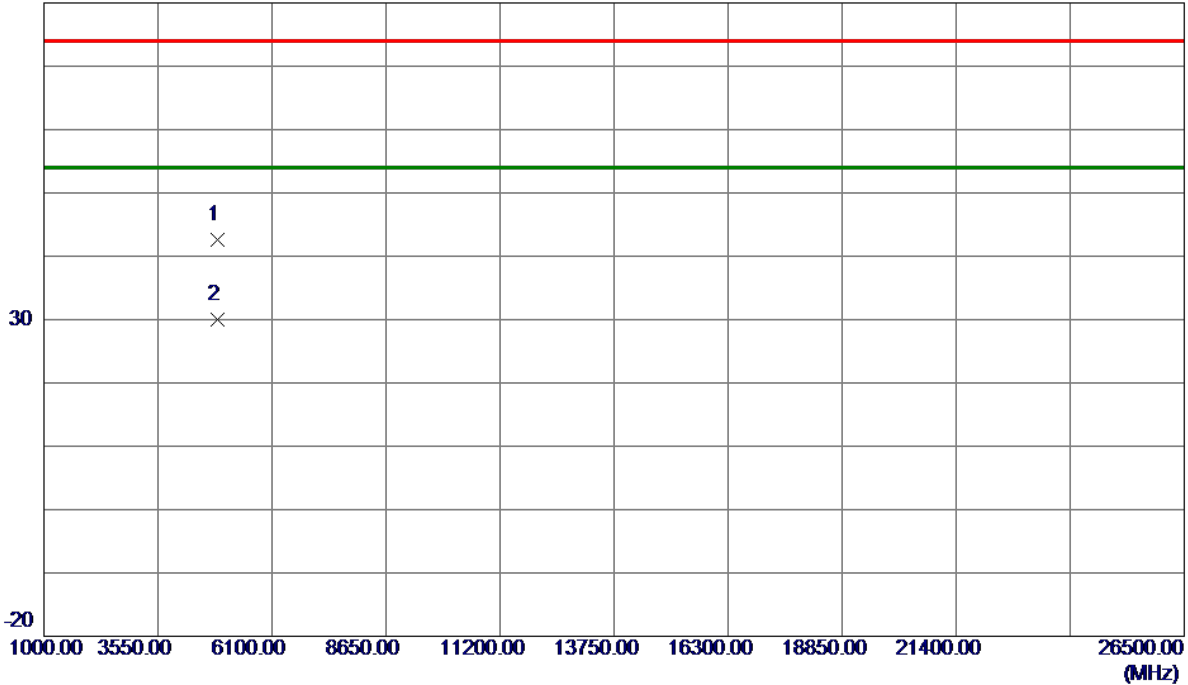
REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Horizontal

80 dBuV/m



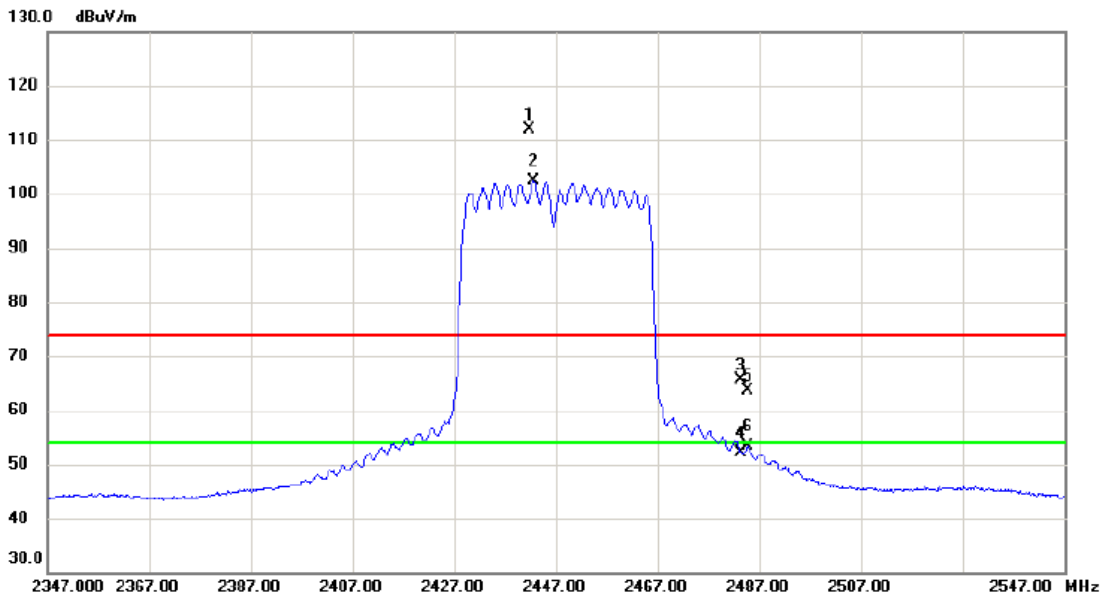
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4875.4129	35.68	6.88	42.56	74.00	-31.44	Peak	
2 *	4876.3820	23.04	6.88	29.92	54.00	-24.08	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2447 MHz

Vertical



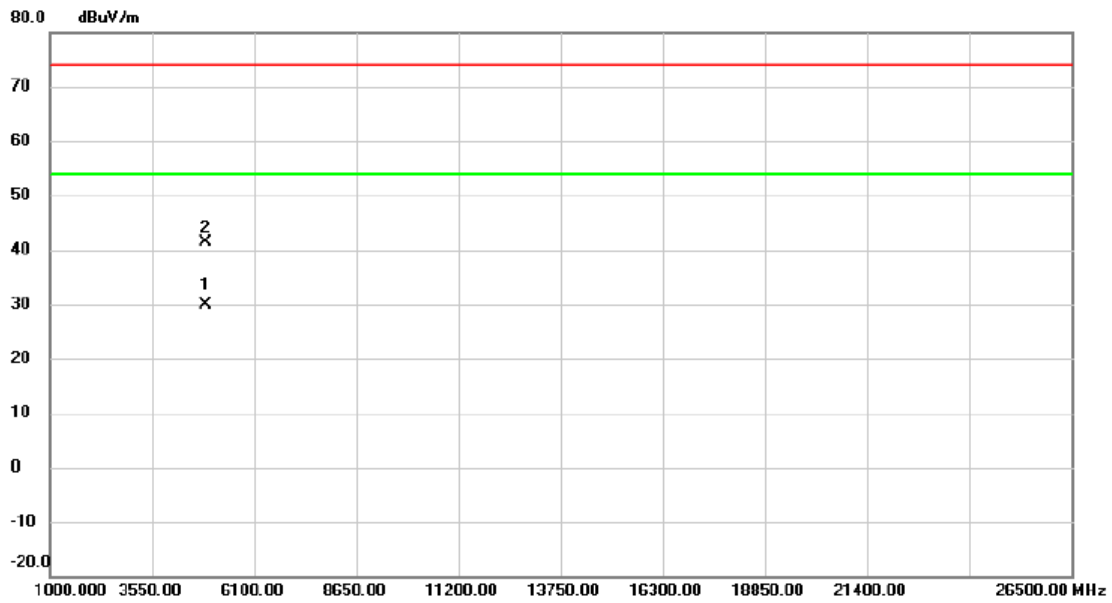
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2441.700	101.08	10.68	111.76	74.00	37.76	peak	No Limit
2	*	2442.700	91.59	10.68	102.27	54.00	48.27	AVG	No Limit
3		2483.500	54.77	10.77	65.54	74.00	-8.46	peak	
4		2483.500	41.34	10.77	52.11	54.00	-1.89	AVG	
5		2484.740	52.80	10.78	63.58	74.00	-10.42	peak	
6		2484.740	42.49	10.78	53.27	54.00	-0.73	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



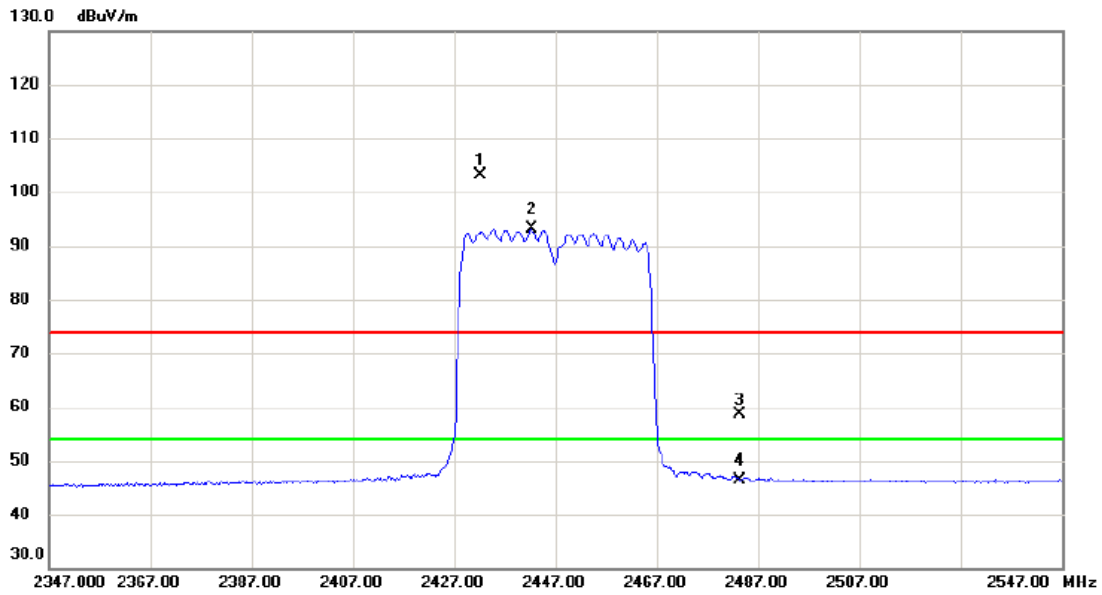
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4889.000	23.01	6.92	29.93	54.00	-24.07	AVG	
2	4897.655	34.45	6.94	41.39	74.00	-32.61	peak	

REMARKS:

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

Test Mode: TX N-40M Mode 2447 MHz

Horizontal



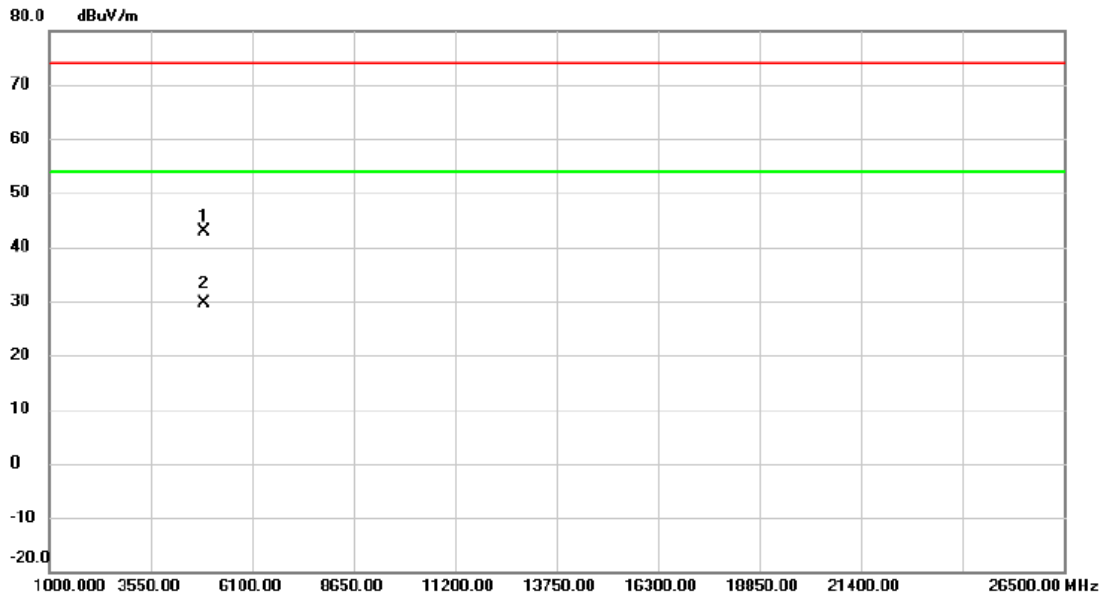
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2432.200	92.56	10.61	103.17	74.00	29.17	peak	No Limit
2	*	2442.300	82.49	10.64	93.13	54.00	39.13	AVG	No Limit
3		2483.500	47.80	10.76	58.56	74.00	-15.44	peak	
4		2483.500	35.61	10.76	46.37	54.00	-7.63	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		4894.248	35.86	6.93	42.79	74.00	-31.21	peak	
2	*	4896.170	22.75	6.93	29.68	54.00	-24.32	AVG	

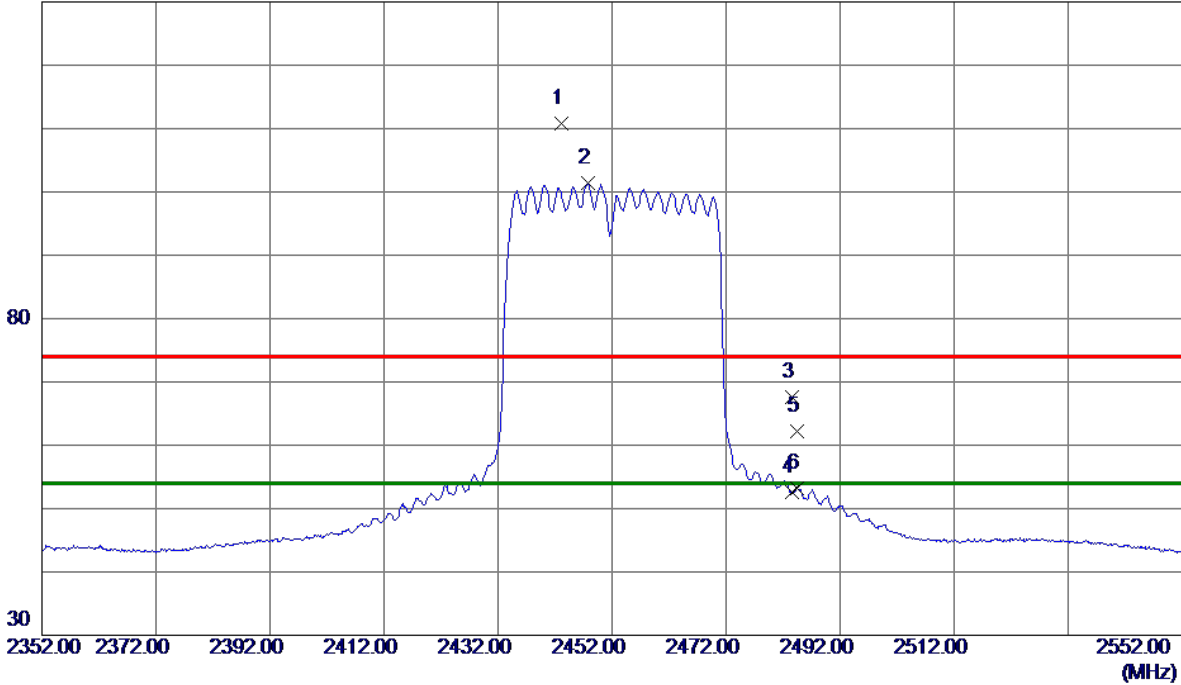
REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

Vertical

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	2443.0800	100.06	10.68	110.74	74.00	36.74	Peak	No Limit
2 *	2447.7000	90.64	10.69	101.33	54.00	47.33	AVG	No Limit
3	2483.5000	56.92	10.77	67.69	74.00	-6.31	Peak	
4	2483.5000	41.77	10.77	52.54	54.00	-1.46	AVG	
5	2484.4400	51.49	10.77	62.26	74.00	-11.74	Peak	
6	2484.4400	42.46	10.77	53.23	54.00	-0.77	AVG	

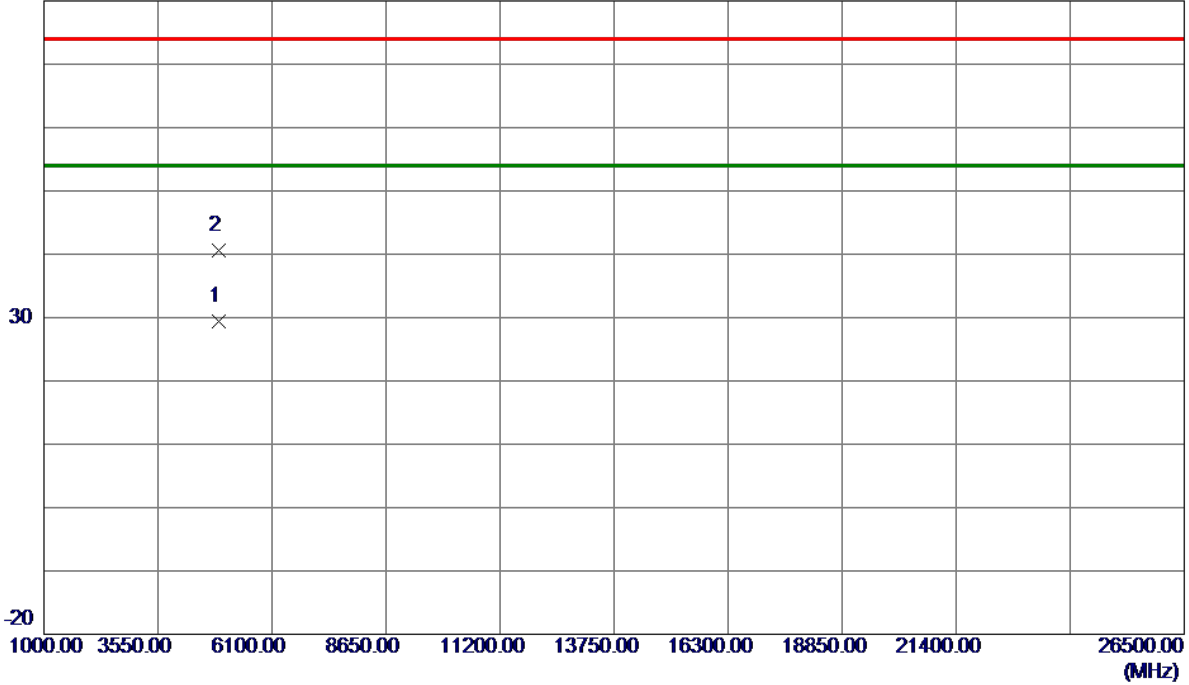
REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4901.0200	22.37	6.96	29.33	54.00	-24.67	AVG	
2	4906.8050	33.62	6.97	40.59	74.00	-33.41	Peak	

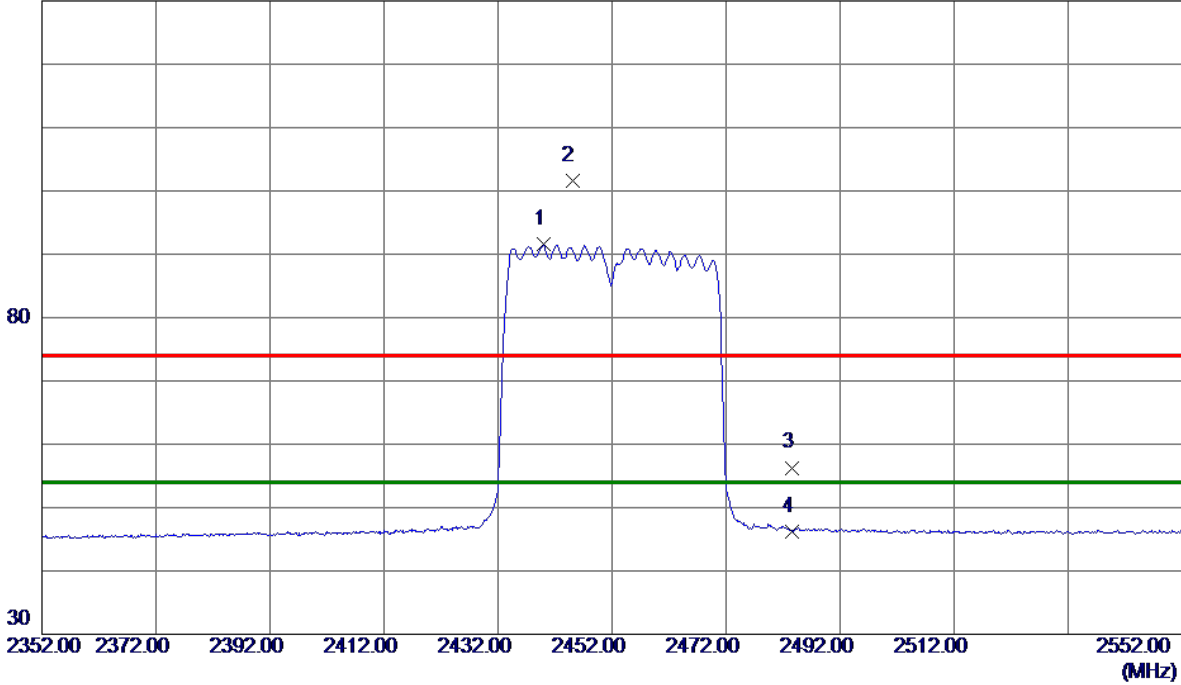
REMARKS:

- (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 *	2439.9000	80.95	10.64	91.59	54.00	37.59	AVG	No Limit
2	2445.0000	90.92	10.65	101.57	74.00	27.57	Peak	No Limit
3	2483.5000	45.54	10.76	56.30	74.00	-17.70	Peak	
4	2483.5000	35.49	10.76	46.25	54.00	-7.75	AVG	

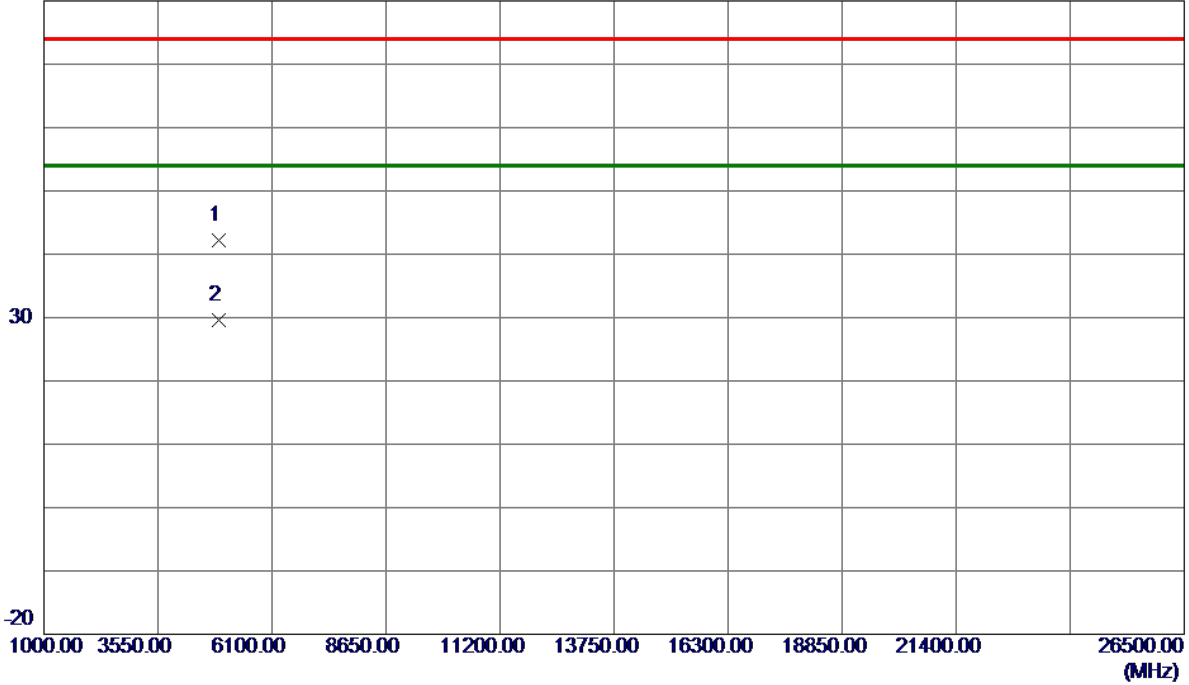
REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

Horizontal

80 dBuV/m



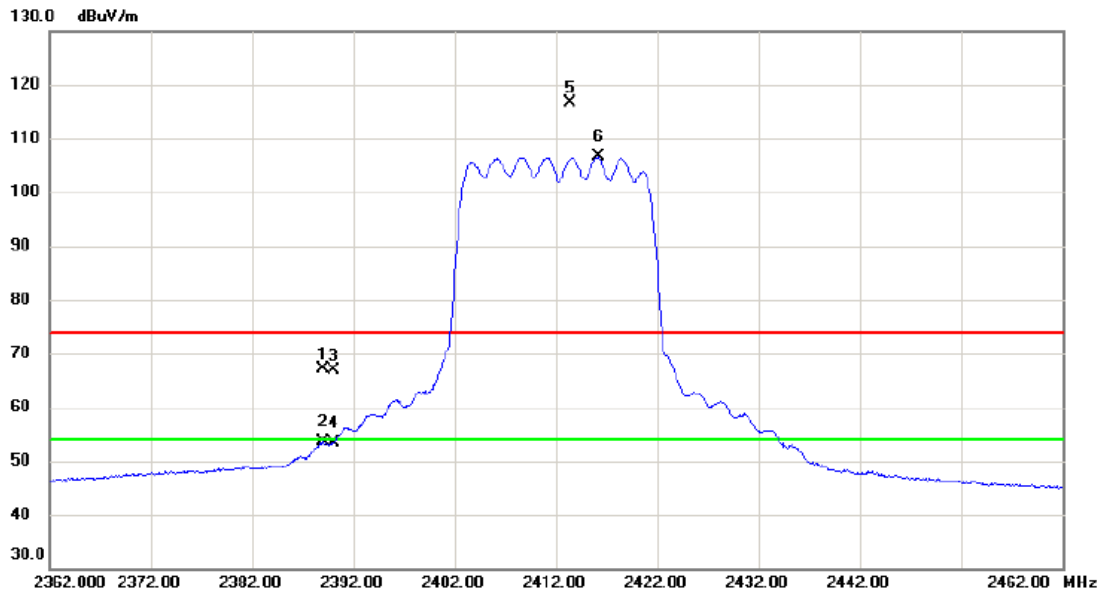
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4901.5280	35.16	6.96	42.12	74.00	-31.88	Peak	
2 *	4906.2450	22.59	6.97	29.56	54.00	-24.44	AVG	

REMARKS:

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

Test Mode: TX AX-20M Mode 2412 MHz

Vertical



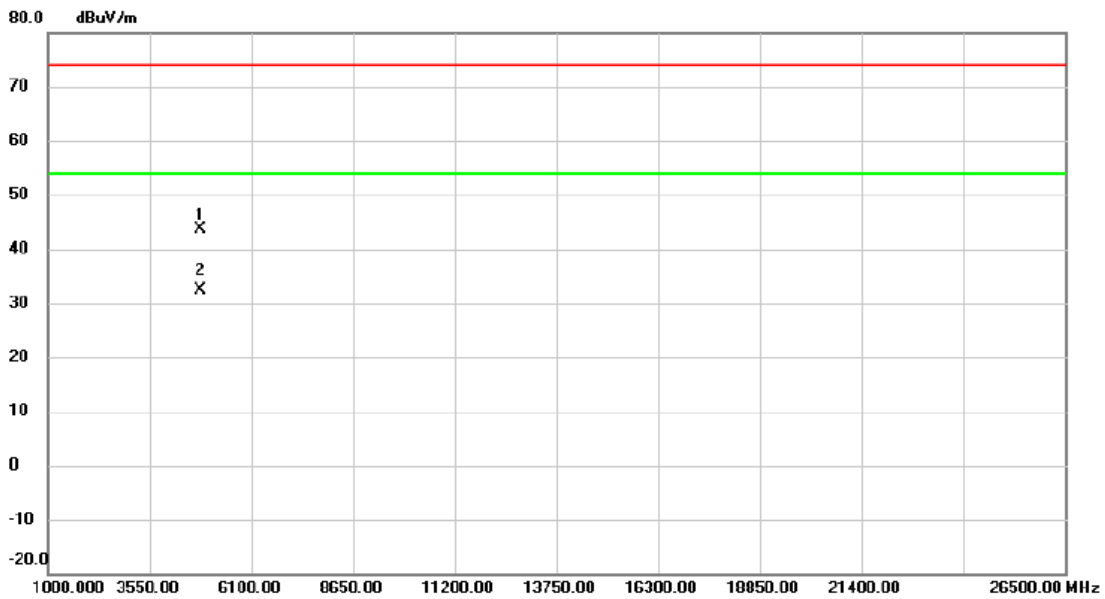
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2388.960	56.67	10.56	67.23	74.00	-6.77	peak	
2		2388.960	42.95	10.56	53.51	54.00	-0.49	AVG	
3		2390.000	56.33	10.56	66.89	74.00	-7.11	peak	
4		2390.000	42.93	10.56	53.49	54.00	-0.51	AVG	
5	X	2413.380	106.02	10.61	116.63	74.00	42.63	peak	No Limit
6	*	2416.160	95.89	10.62	106.51	54.00	52.51	AVG	No Limit

REMARKS:

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

Test Mode: TX AX-20M Mode 2412 MHz

Vertical



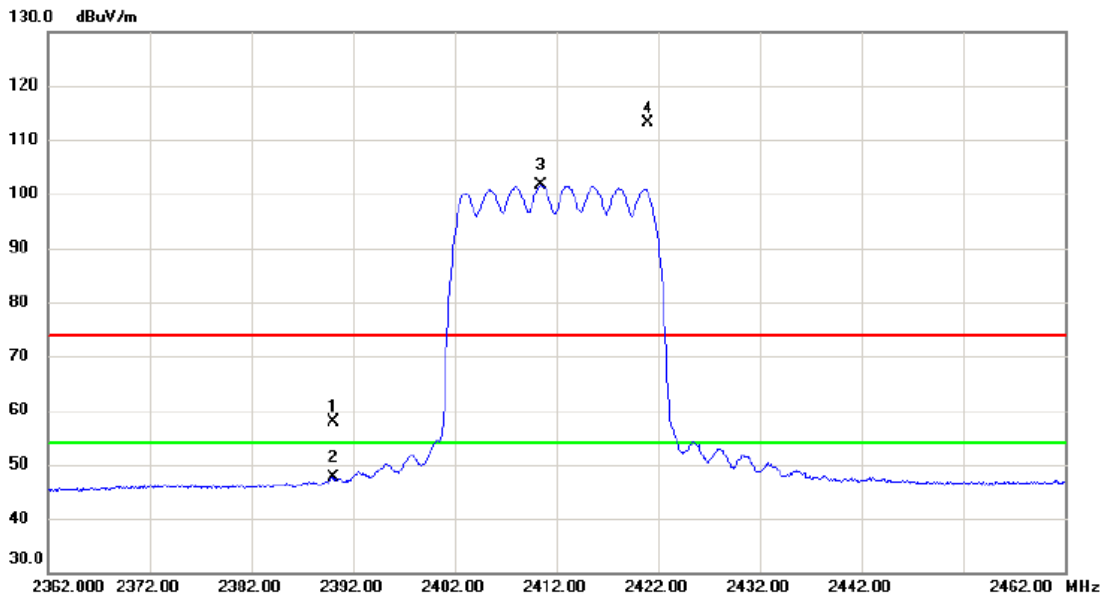
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4823.535	37.01	6.72	43.73	74.00	-30.27	peak	
2	*	4823.570	25.66	6.72	32.38	54.00	-21.62	AVG	

REMARKS:

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

Test Mode: TX AX-20M Mode 2412 MHz

Horizontal



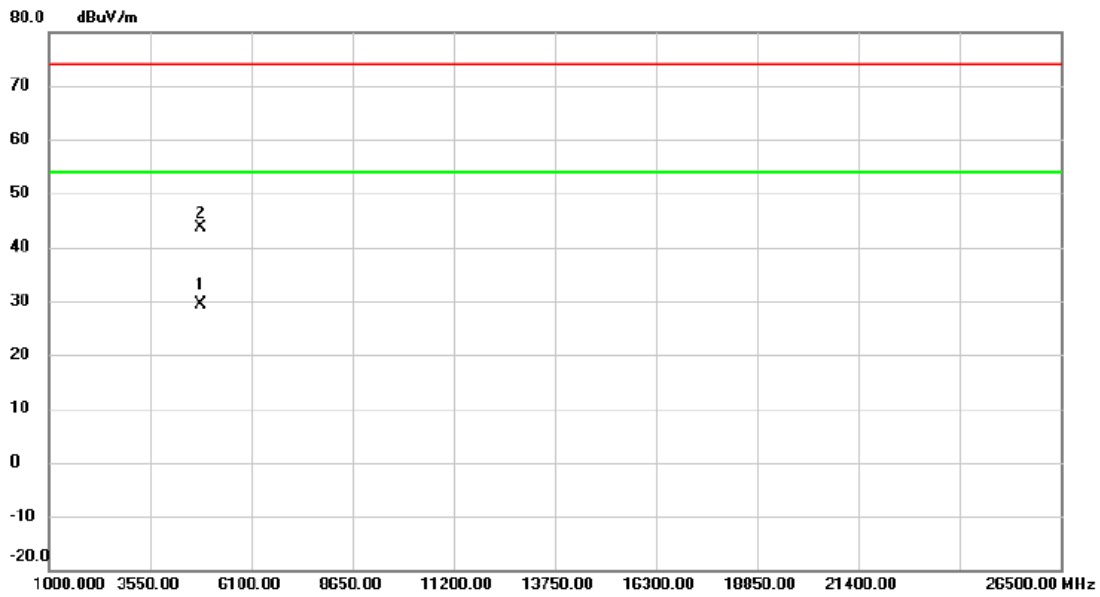
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	47.29	10.50	57.79	74.00	-16.21	peak	
2		2390.000	37.18	10.50	47.68	54.00	-6.32	AVG	
3	*	2410.400	90.98	10.55	101.53	54.00	47.53	AVG	No Limit
4	X	2421.000	102.65	10.59	113.24	74.00	39.24	peak	No Limit

REMARKS:

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

Test Mode: TX AX-20M Mode 2412 MHz

Horizontal



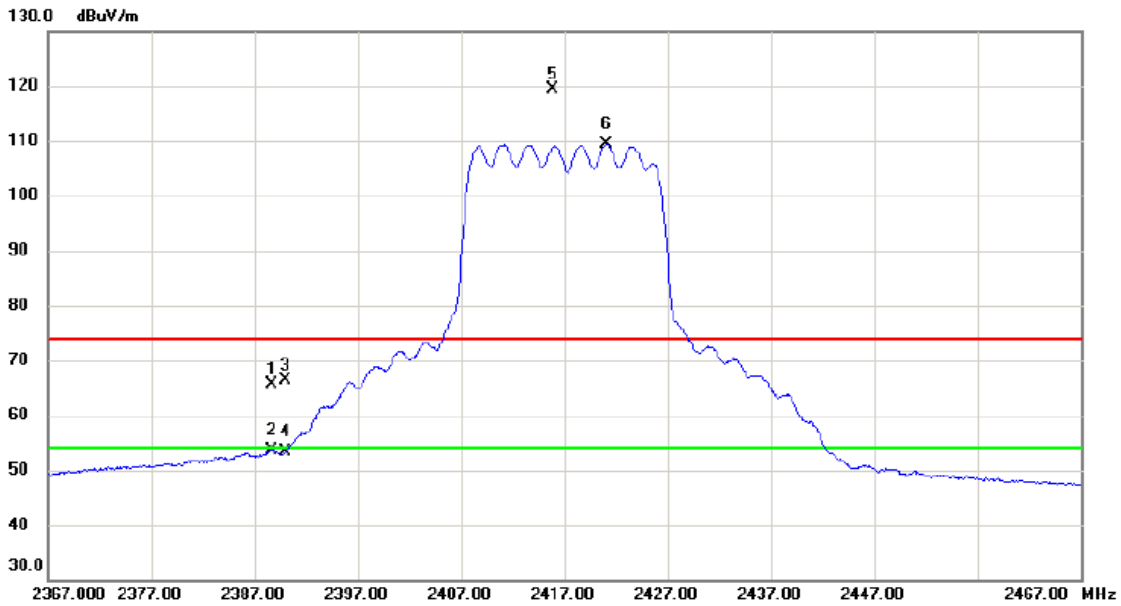
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4822.615	22.79	6.71	29.50	54.00	-24.50	AVG	
2		4824.965	36.82	6.72	43.54	74.00	-30.46	peak	

REMARKS:

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

Test Mode: TX AX-20M Mode 2417 MHz

Vertical



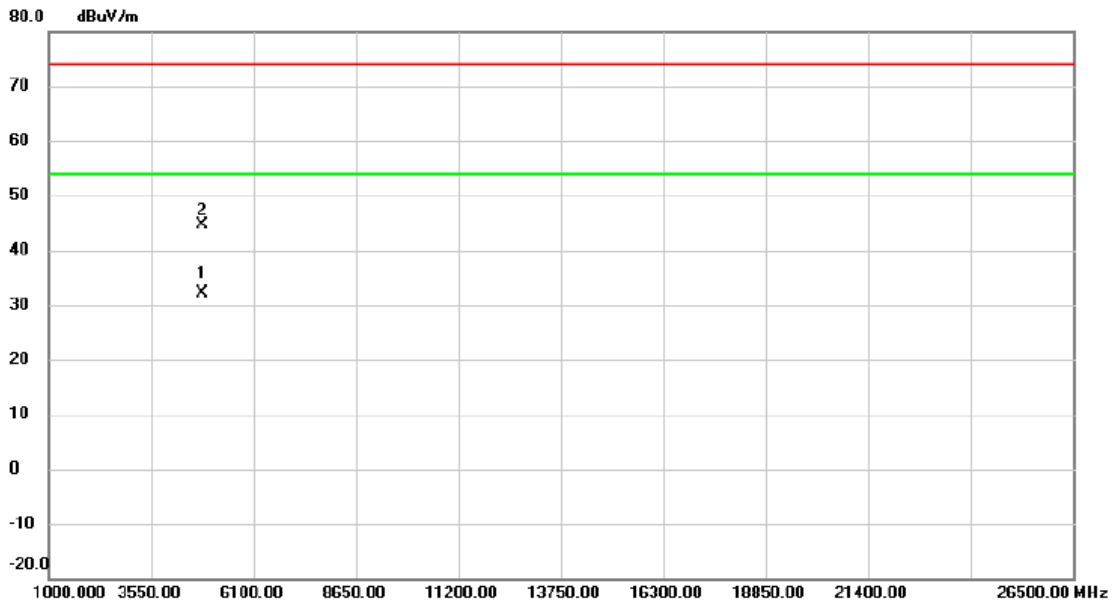
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2388.680	55.03	10.56	65.59	74.00	-8.41	peak	
2		2388.680	43.06	10.56	53.62	54.00	-0.38	AVG	
3		2390.000	55.79	10.56	66.35	74.00	-7.65	peak	
4		2390.000	42.77	10.56	53.33	54.00	-0.67	AVG	
5	X	2415.850	108.68	10.62	119.30	74.00	45.30	peak	No Limit
6	*	2421.110	98.69	10.63	109.32	54.00	55.32	AVG	No Limit

REMARKS:

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

Test Mode: TX AX-20M Mode 2417 MHz

Vertical



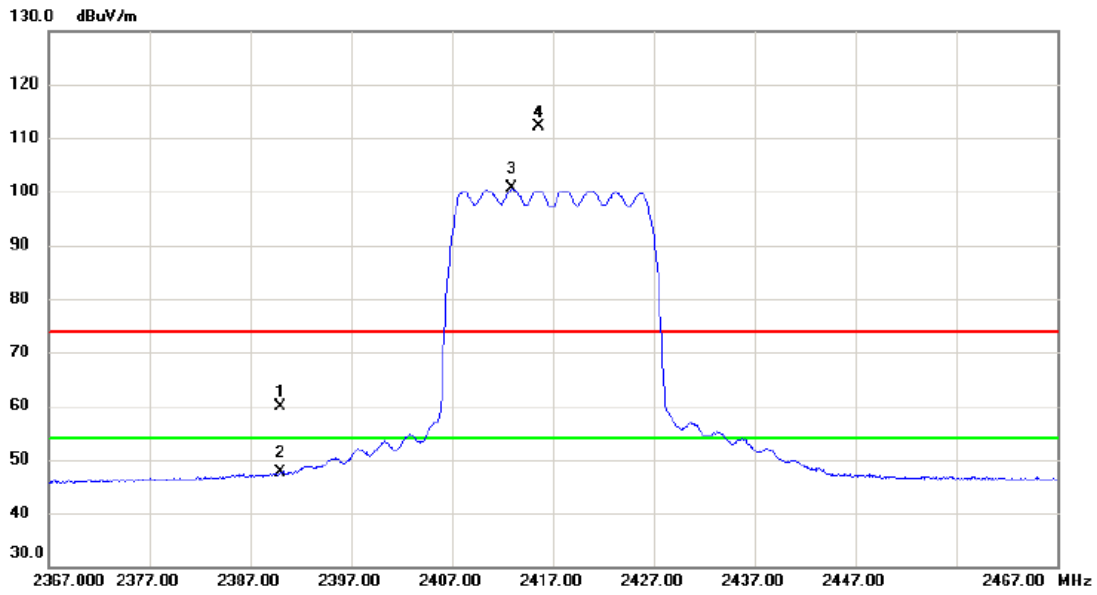
No.	Mk.	Freq. (MHz)	Reading Level (dBuV)	Correct Factor (dB)	Measurement (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	*	4833.775	25.37	6.74	32.11	54.00	-21.89	AVG	
2		4836.090	37.84	6.76	44.60	74.00	-29.40	peak	

REMARKS:

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

Test Mode: TX AX-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	49.50	10.50	60.00	74.00	-14.00	peak	
2		2390.000	37.06	10.50	47.56	54.00	-6.44	AVG	
3	*	2412.950	89.96	10.56	100.52	54.00	46.52	AVG	No Limit
4	X	2415.650	101.56	10.56	112.12	74.00	38.12	peak	No Limit

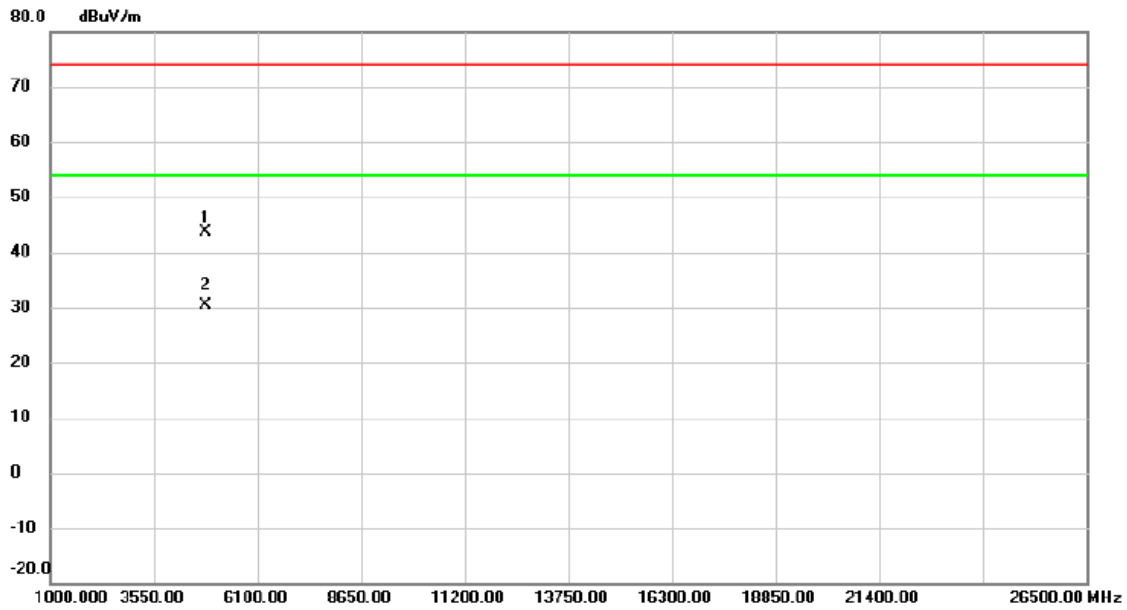
REMARKS:

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

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

Test Mode: TX AX-20M Mode 2417 MHz

Horizontal



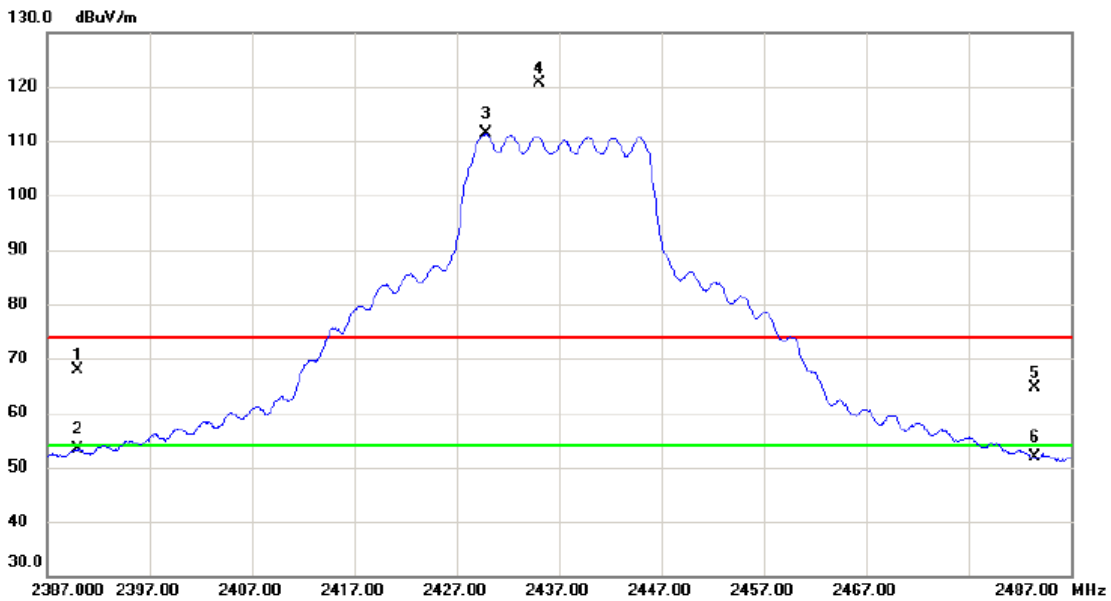
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4834.120	36.92	6.75	43.67	74.00	-30.33	peak	
2 *	4834.153	23.59	6.75	30.34	54.00	-23.66	AVG	

REMARKS:

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

Test Mode: TX AX-20M Mode 2437 MHz

Vertical



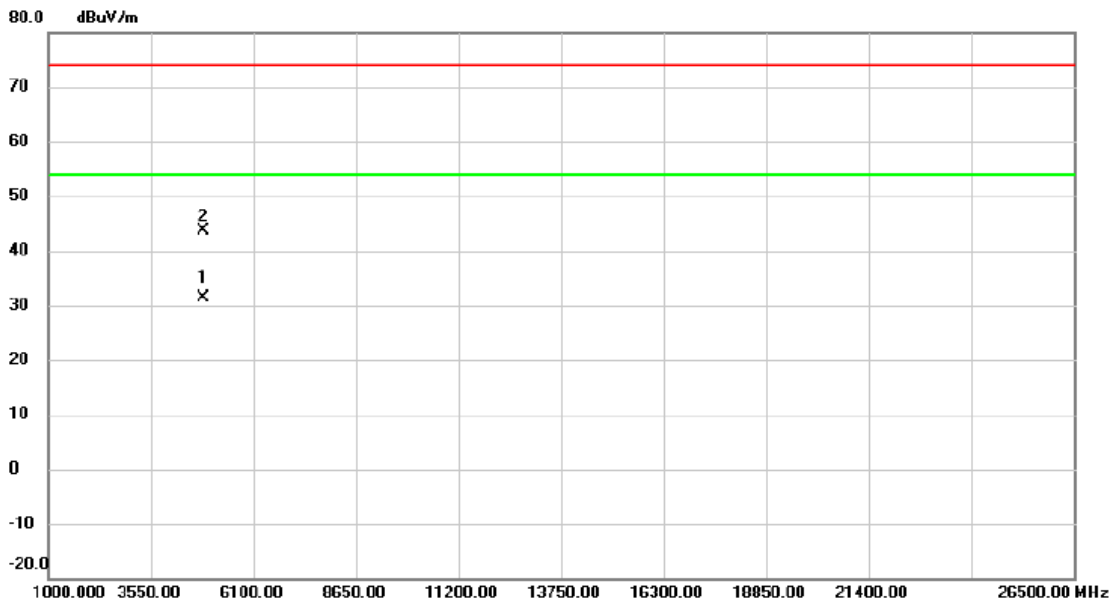
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	57.34	10.56	67.90	74.00	-6.10	peak	
2		2390.000	42.74	10.56	53.30	54.00	-0.70	AVG	
3	*	2429.840	100.68	10.66	111.34	54.00	57.34	AVG	No Limit
4	X	2435.070	109.86	10.66	120.52	74.00	46.52	peak	No Limit
5		2483.500	53.81	10.77	64.58	74.00	-9.42	peak	
6		2483.500	40.99	10.77	51.76	54.00	-2.24	AVG	

REMARKS:

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

Test Mode: TX AX-20M Mode 2437 MHz

Vertical



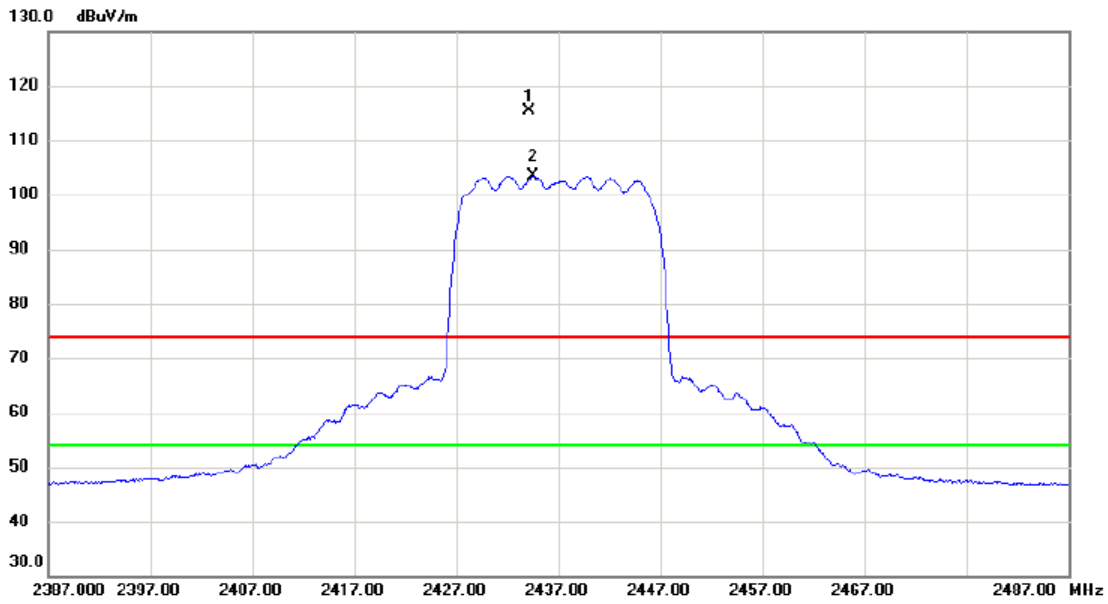
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4870.935	24.61	6.86	31.47	54.00	-22.53	AVG	
2		4873.570	36.78	6.87	43.65	74.00	-30.35	peak	

REMARKS:

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

Test Mode: TX AX-20M Mode 2437 MHz

Horizontal



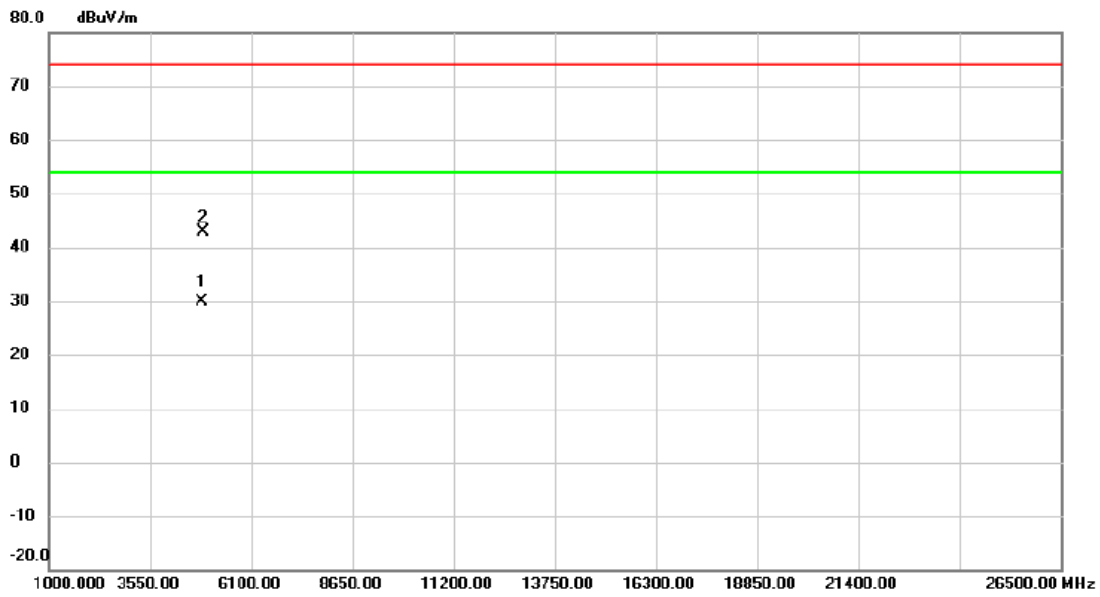
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2434.150	104.83	10.62	115.45	74.00	41.45	peak	No Limit
2	*	2434.500	92.87	10.62	103.49	54.00	49.49	AVG	No Limit

REMARKS:

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

Test Mode: TX AX-20M Mode 2437 MHz

Horizontal



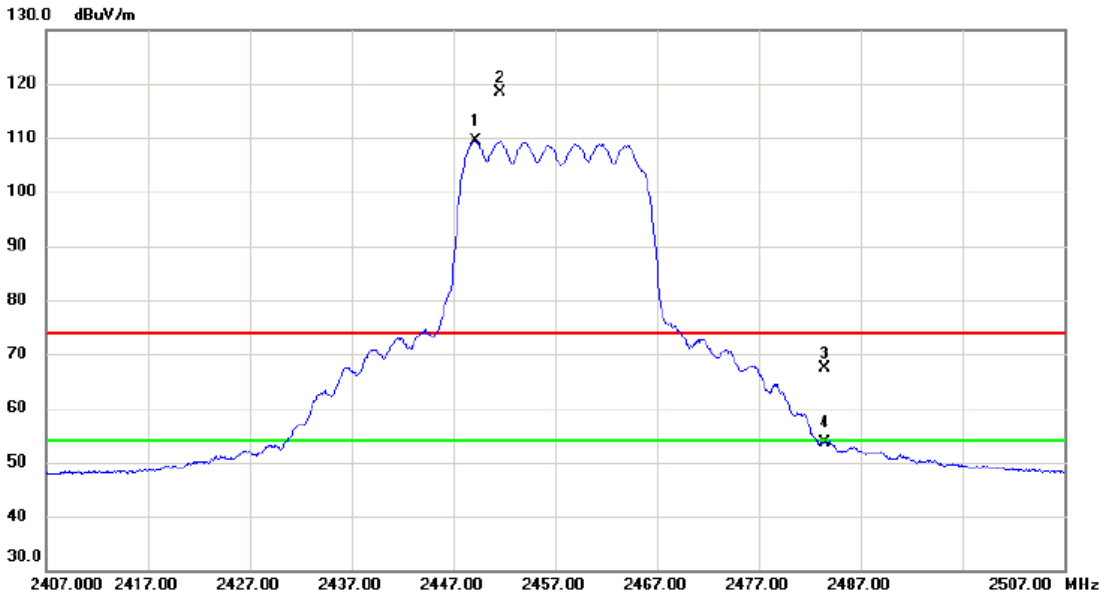
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4875.050	22.99	6.88	29.87	54.00	-24.13	AVG	
2		4876.025	36.05	6.88	42.93	74.00	-31.07	peak	

REMARKS:

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

Test Mode: TX AX-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	*	2449.170	98.61	10.70	109.31	54.00	55.31	AVG	No Limit
2	X	2451.650	107.79	10.69	118.48	74.00	44.48	peak	No Limit
3		2483.500	56.55	10.77	67.32	74.00	-6.68	peak	
4		2483.500	42.98	10.77	53.75	54.00	-0.25	AVG	

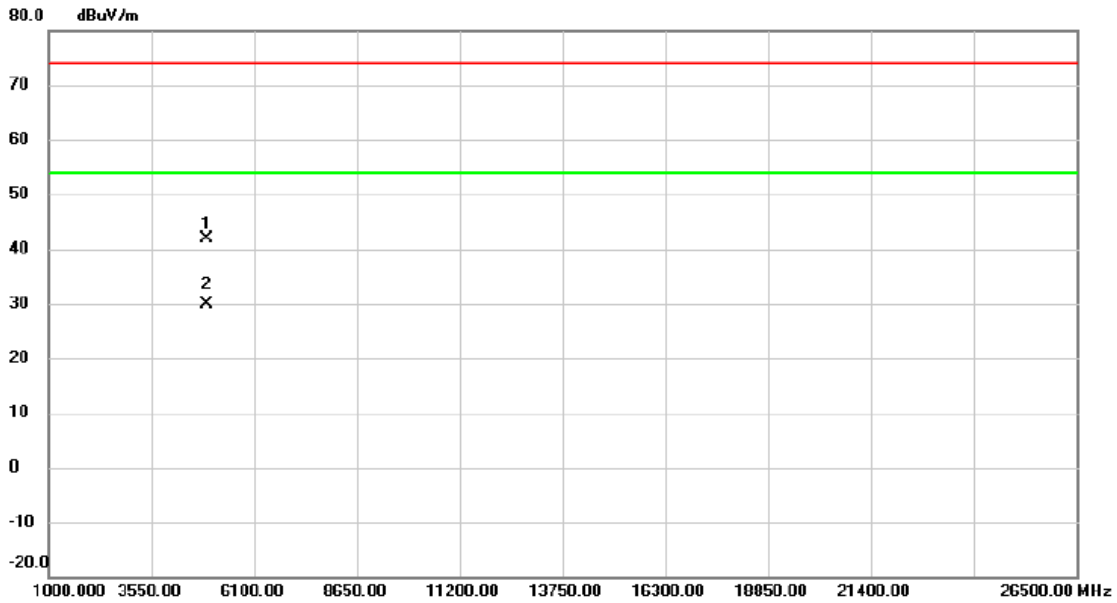
REMARKS:

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

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

Test Mode: TX AX-20M Mode 2457 MHz

Vertical



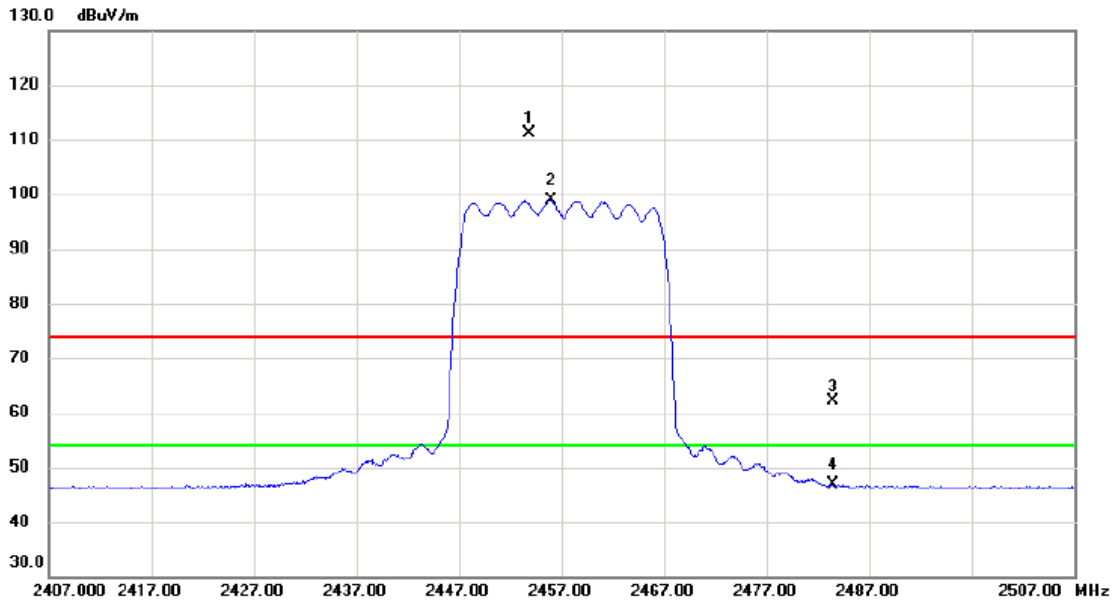
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4913.585	34.82	7.00	41.82	74.00	-32.18	peak	
2	*	4917.980	22.83	7.01	29.84	54.00	-24.16	AVG	

REMARKS:

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

Test Mode: TX AX-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	2453.850	100.37	10.68	111.05	74.00	37.05	peak	No Limit
2	*	2455.950	88.24	10.68	98.92	54.00	44.92	AVG	No Limit
3		2483.500	51.28	10.76	62.04	74.00	-11.96	peak	
4		2483.500	36.18	10.76	46.94	54.00	-7.06	AVG	

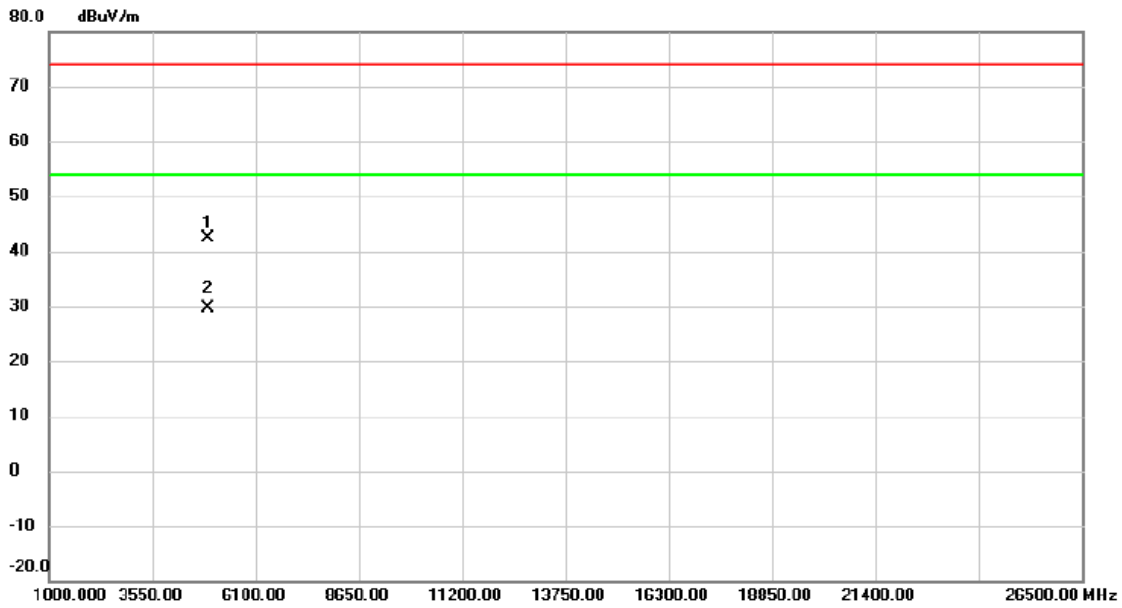
REMARKS:

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

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

Test Mode: TX AX-20M Mode 2457 MHz

Horizontal



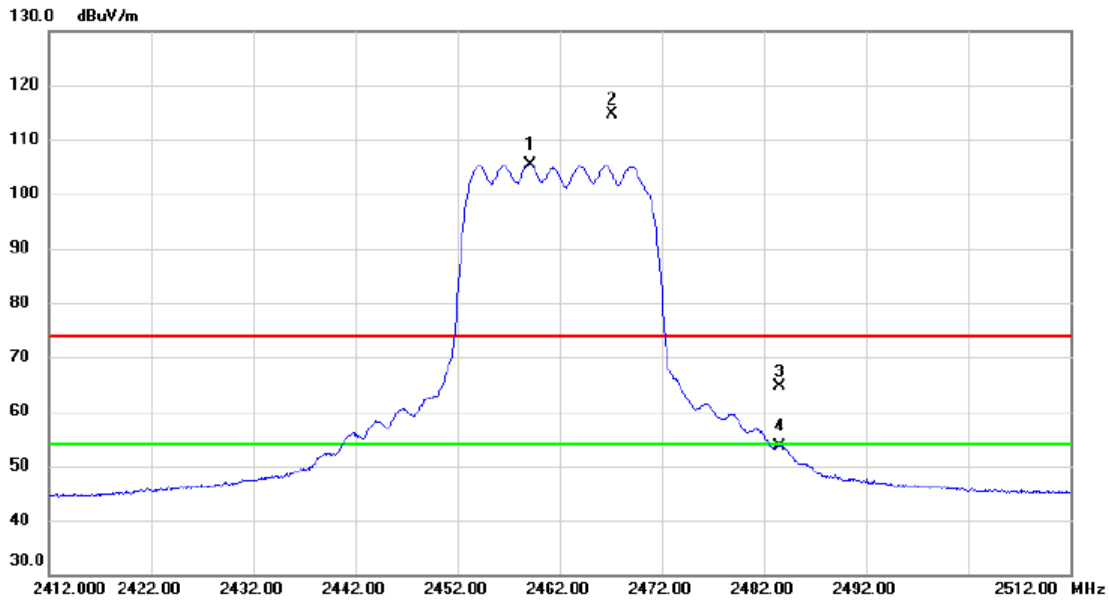
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4912.155	35.49	7.00	42.49	74.00	-31.51	peak	
2 *	4916.355	22.66	7.01	29.67	54.00	-24.33	AVG	

REMARKS:

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

Test Mode: TX AX-20M Mode 2462 MHz

Vertical



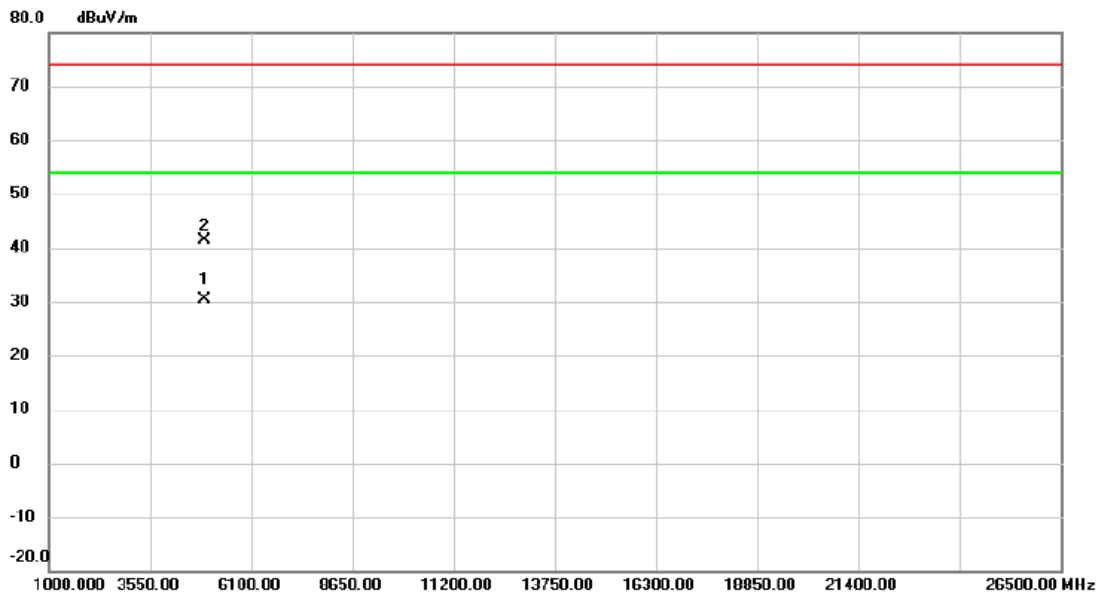
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2459.170	94.79	10.71	105.50	54.00	51.50	AVG	No Limit
2	X	2467.130	103.91	10.74	114.65	74.00	40.65	peak	No Limit
3		2483.500	53.75	10.77	64.52	74.00	-9.48	peak	
4		2483.500	42.80	10.77	53.57	54.00	-0.43	AVG	

REMARKS:

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

Test Mode: TX AX-20M Mode 2462 MHz

Vertical

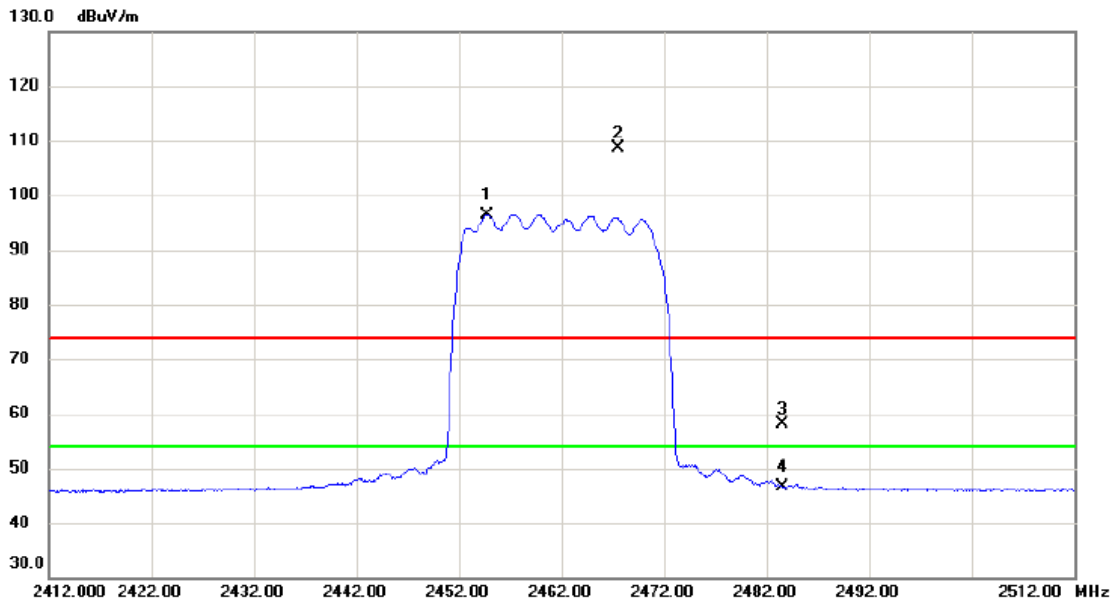


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	4923.260	23.41	7.03	30.44	54.00	-23.56	AVG	
2		4927.335	34.42	7.04	41.46	74.00	-32.54	peak	

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

Test Mode: TX AX-20M Mode 2462 MHz

Horizontal



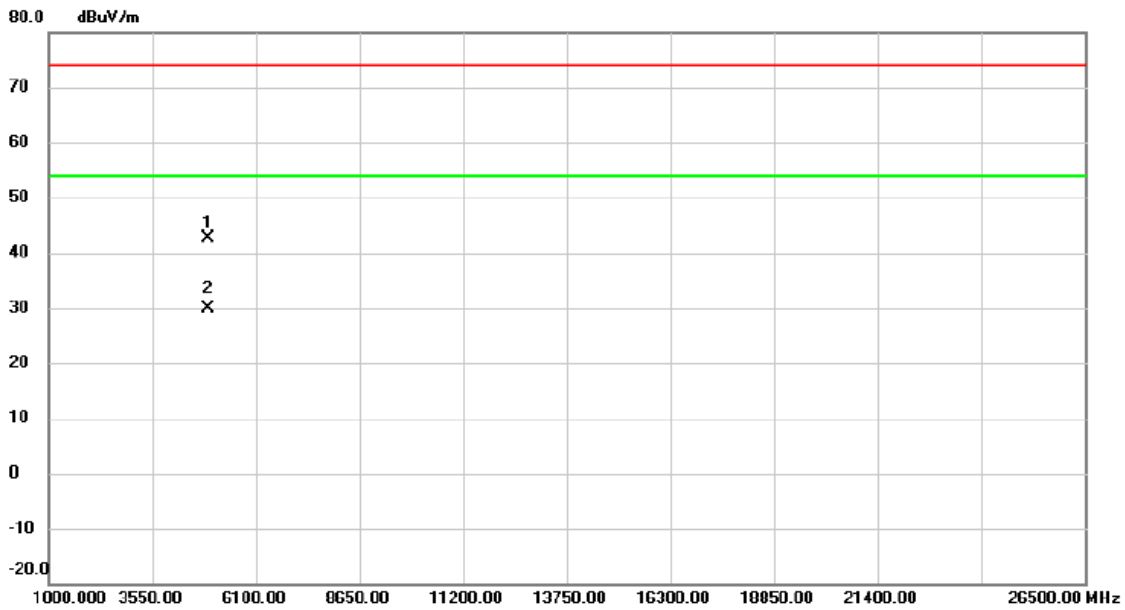
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2454.700	85.80	10.68	96.48	54.00	42.48	AVG	No Limit
2	X	2467.500	98.03	10.72	108.75	74.00	34.75	peak	No Limit
3		2483.500	47.36	10.76	58.12	74.00	-15.88	peak	
4		2483.500	35.90	10.76	46.66	54.00	-7.34	AVG	

REMARKS:

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

Test Mode: TX AX-20M Mode 2462 MHz

Horizontal



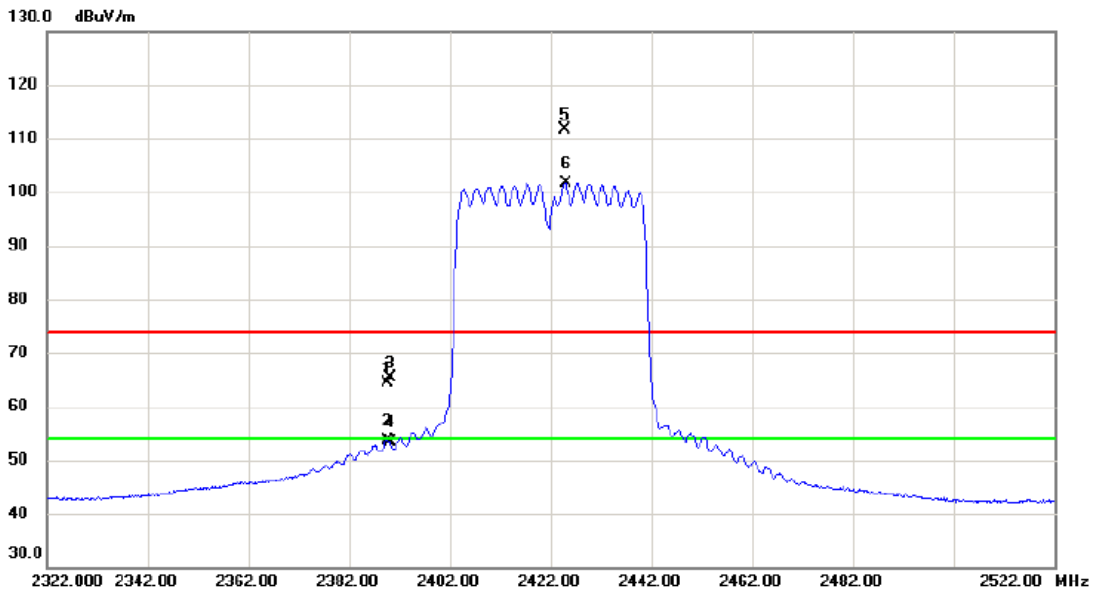
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4923.720	35.61	7.03	42.64	74.00	-31.36	peak	
2	*	4926.275	22.77	7.04	29.81	54.00	-24.19	AVG	

REMARKS:

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

Test Mode: TX AX-40M Mode 2422 MHz

Vertical



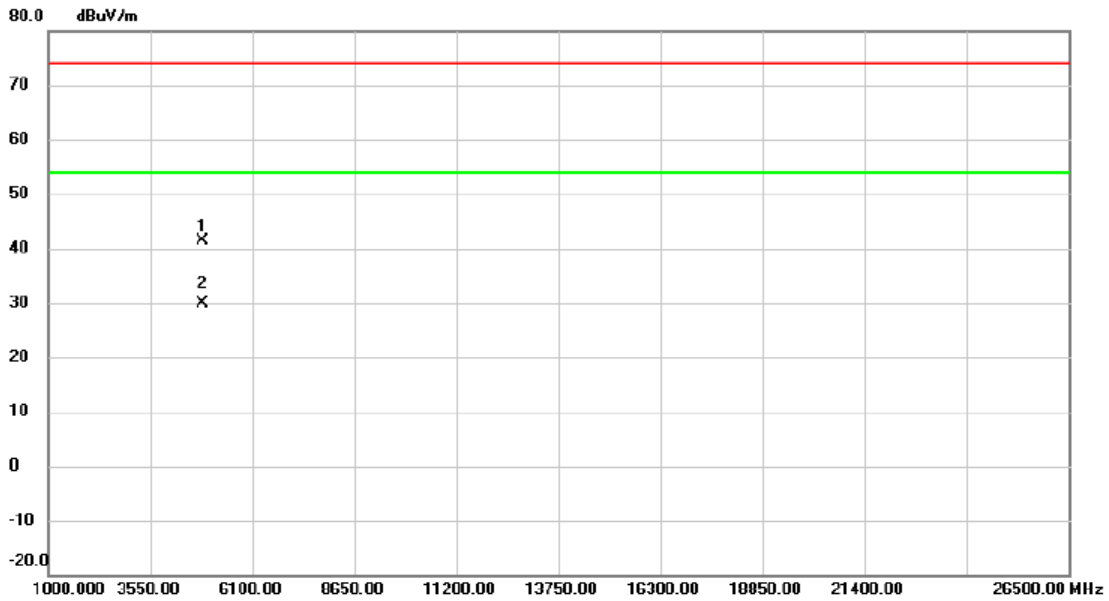
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2389.620	53.94	10.56	64.50	74.00	-9.50	peak	
2		2389.620	43.15	10.56	53.71	54.00	-0.29	AVG	
3		2390.000	54.79	10.56	65.35	74.00	-8.65	peak	
4		2390.000	42.73	10.56	53.29	54.00	-0.71	AVG	
5	X	2424.760	100.93	10.64	111.57	74.00	37.57	peak	No Limit
6	*	2424.960	91.06	10.64	101.70	54.00	47.70	AVG	No Limit

REMARKS:

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

Test Mode: TX AX-40M Mode 2422 MHz

Vertical



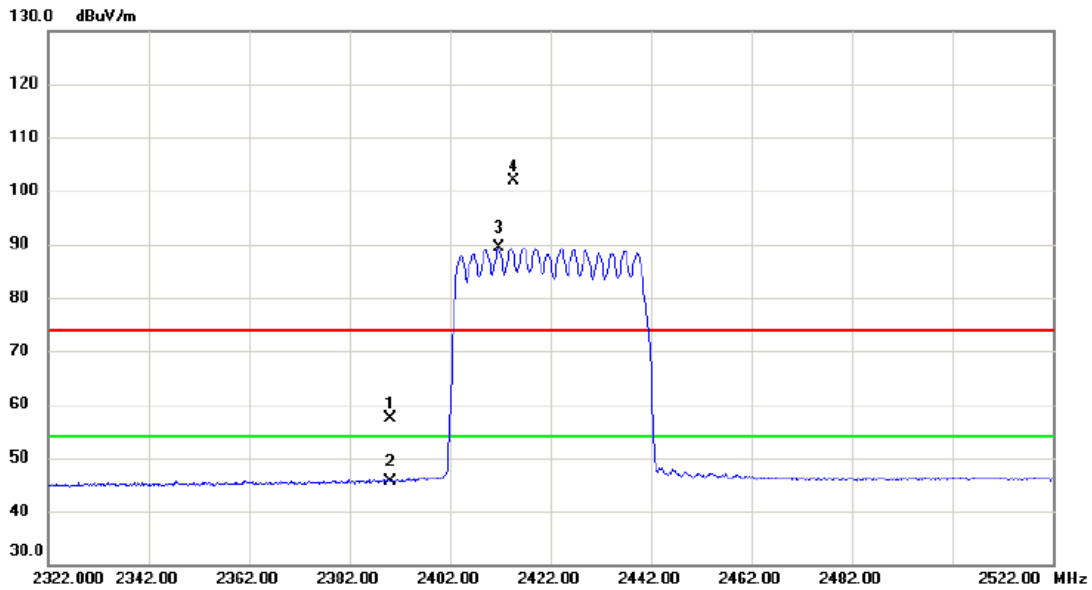
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4844.165	34.71	6.78	41.49	74.00	-32.51	peak	
2 *	4846.255	23.03	6.78	29.81	54.00	-24.19	AVG	

REMARKS:

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

Test Mode: TX AX-40M Mode 2422 MHz

Horizontal



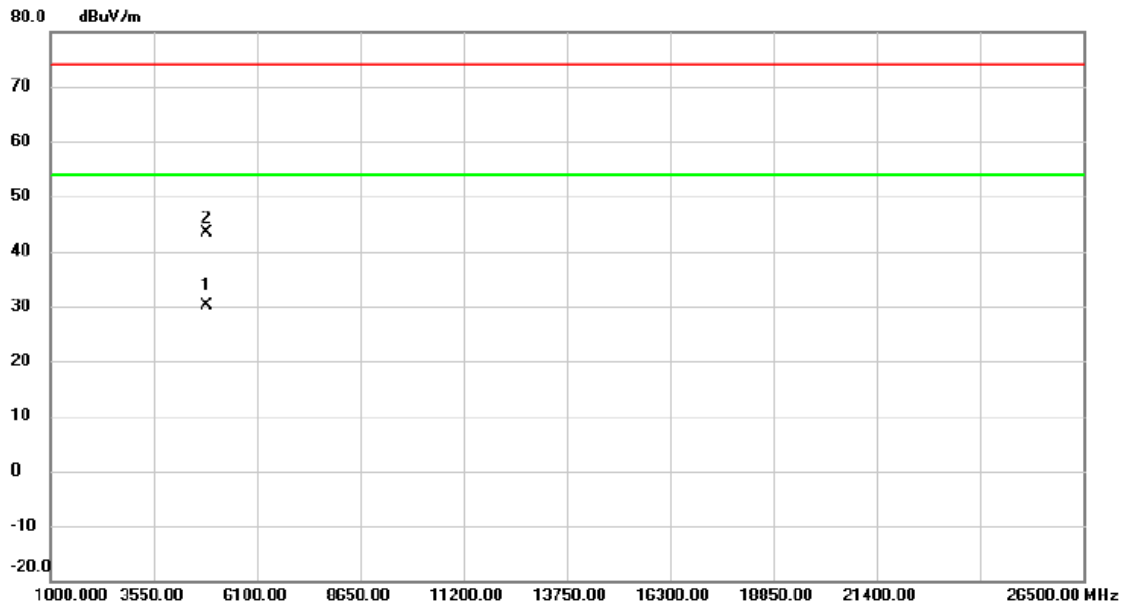
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	46.78	10.50	57.28	74.00	-16.72	peak	
2		2390.000	35.18	10.50	45.68	54.00	-8.32	AVG	
3	*	2411.700	78.86	10.56	89.42	54.00	35.42	AVG	No Limit
4	X	2414.600	91.36	10.56	101.92	74.00	27.92	peak	No Limit

REMARKS:

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

Test Mode: TX AX-40M Mode 2422 MHz

Horizontal



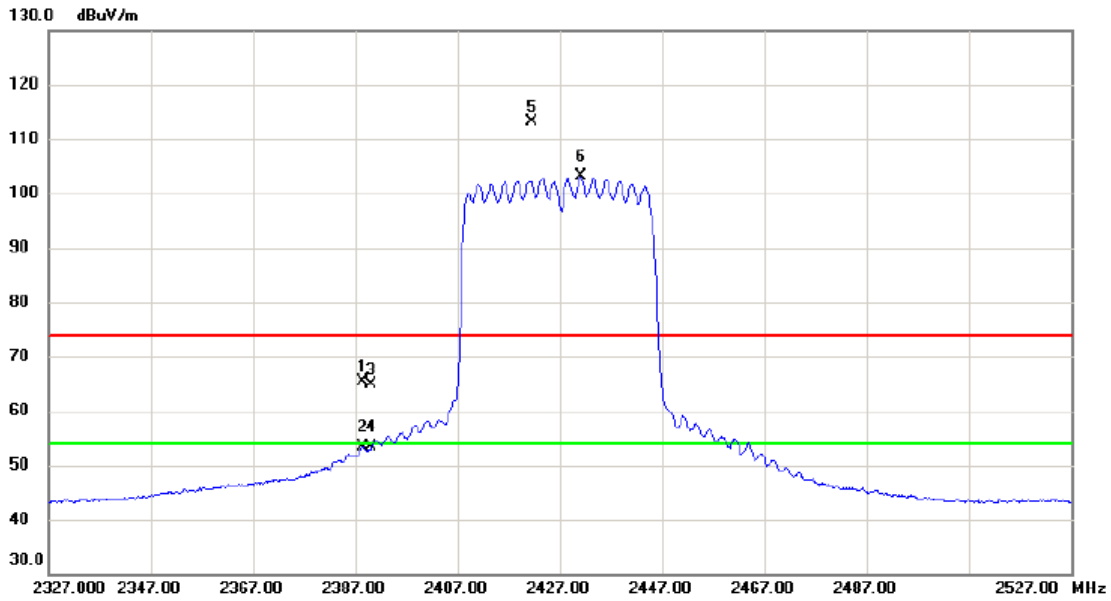
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4842.550	23.47	6.77	30.24	54.00	-23.76	AVG	
2		4845.755	36.48	6.78	43.26	74.00	-30.74	peak	

REMARKS:

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

Test Mode: TX AX-40M Mode 2427 MHz

Vertical



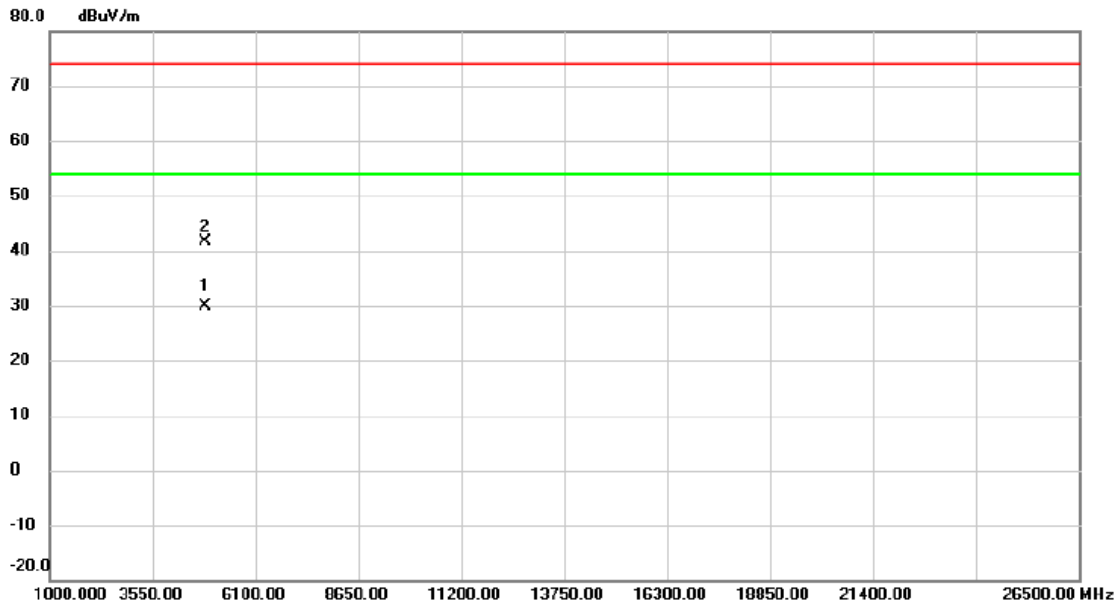
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2388.360	54.76	10.56	65.32	74.00	-8.68	peak	
2		2388.360	42.86	10.56	53.42	54.00	-0.58	AVG	
3		2390.000	54.30	10.56	64.86	74.00	-9.14	peak	
4		2390.000	42.79	10.56	53.35	54.00	-0.65	AVG	
5	X	2421.420	102.53	10.63	113.16	74.00	39.16	peak	No Limit
6	*	2431.220	92.39	10.65	103.04	54.00	49.04	AVG	No Limit

REMARKS:

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

Test Mode: TX AX-40M Mode 2427 MHz

Vertical



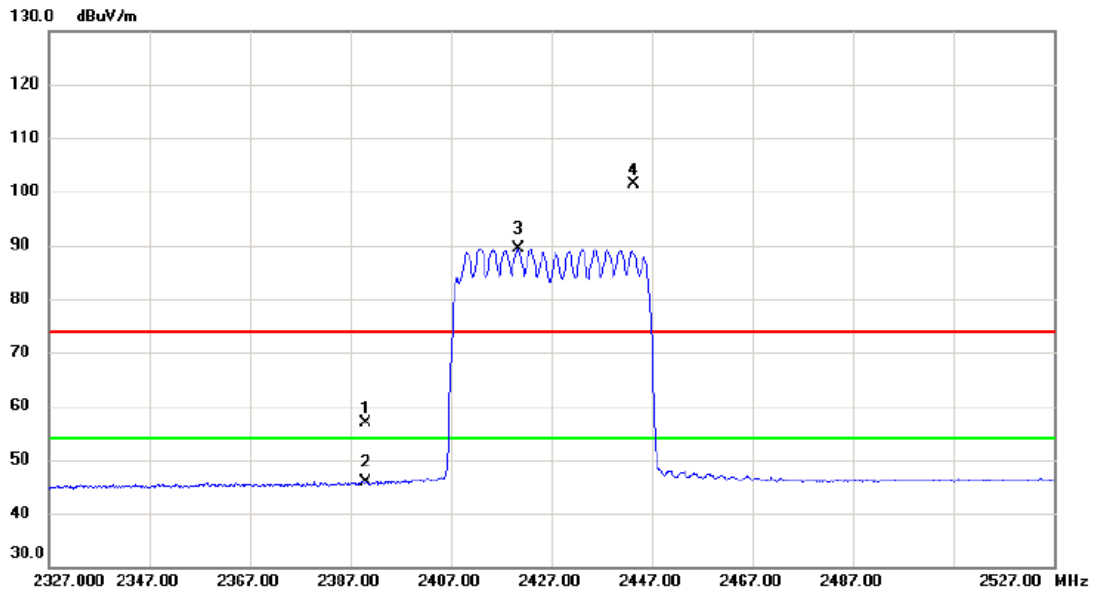
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	4850.340	22.97	6.80	29.77	54.00	-24.23	AVG	
2		4851.130	34.72	6.80	41.52	74.00	-32.48	peak	

REMARKS:

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

Test Mode: TX AX-40M Mode 2427 MHz

Horizontal



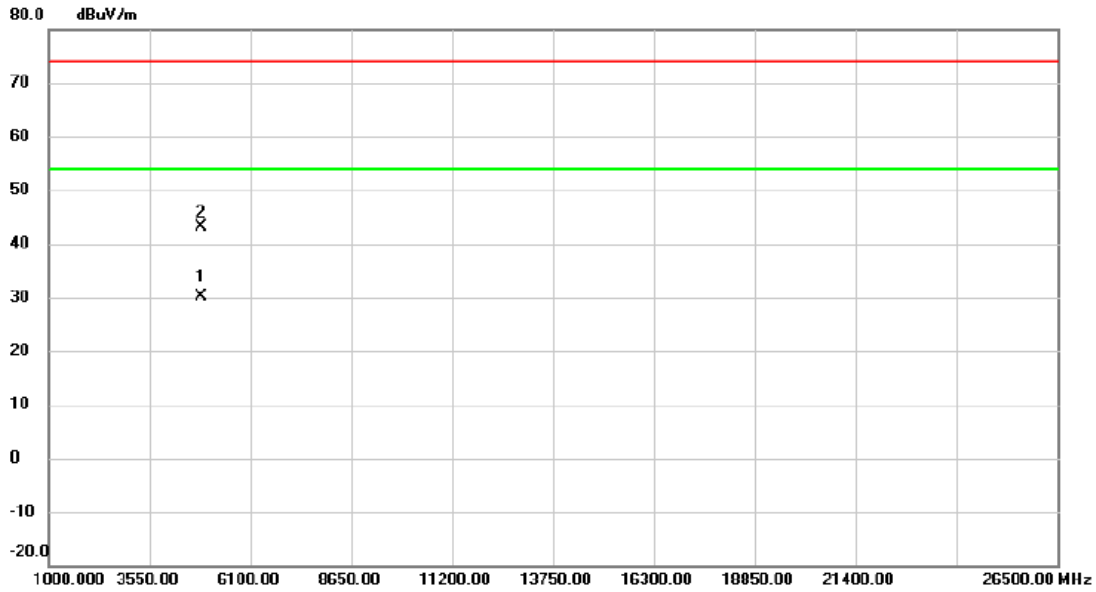
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.000	46.42	10.50	56.92	74.00	-17.08	peak	
2	2390.000	35.33	10.50	45.83	54.00	-8.17	AVG	
3 *	2420.500	78.75	10.59	89.34	54.00	35.34	AVG	No Limit
4 X	2443.300	90.83	10.65	101.48	74.00	27.48	peak	No Limit

REMARKS:

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

Test Mode: TX AX-40M Mode 2427 MHz

Horizontal



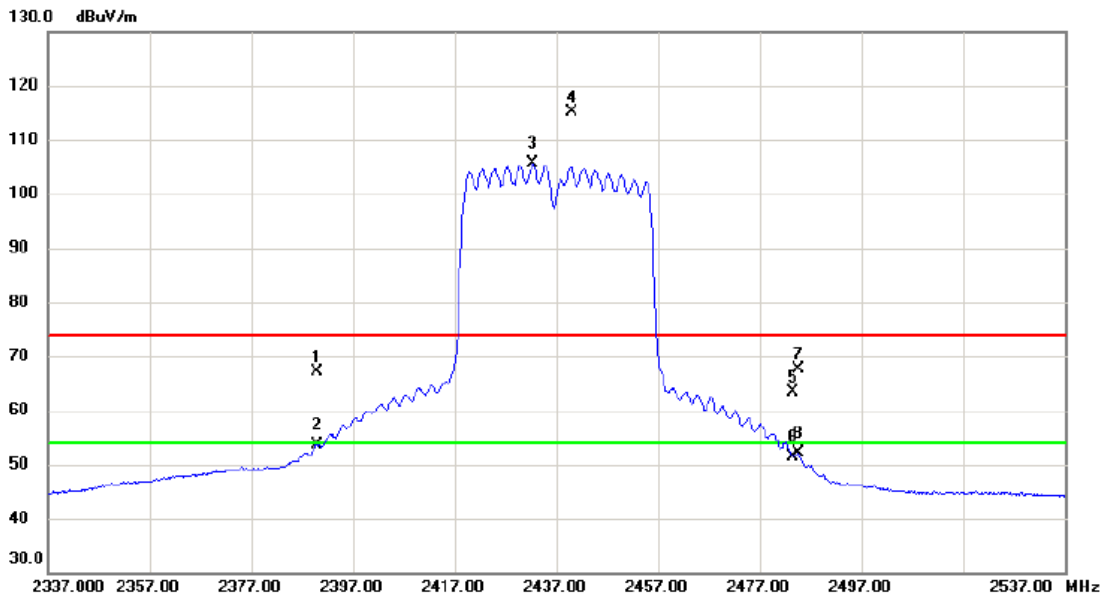
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4853.177	23.35	6.81	30.16	54.00	-23.84	AVG	
2		4853.547	36.20	6.81	43.01	74.00	-30.99	peak	

REMARKS:

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

Test Mode: TX AX-40M Mode 2437 MHz

Vertical



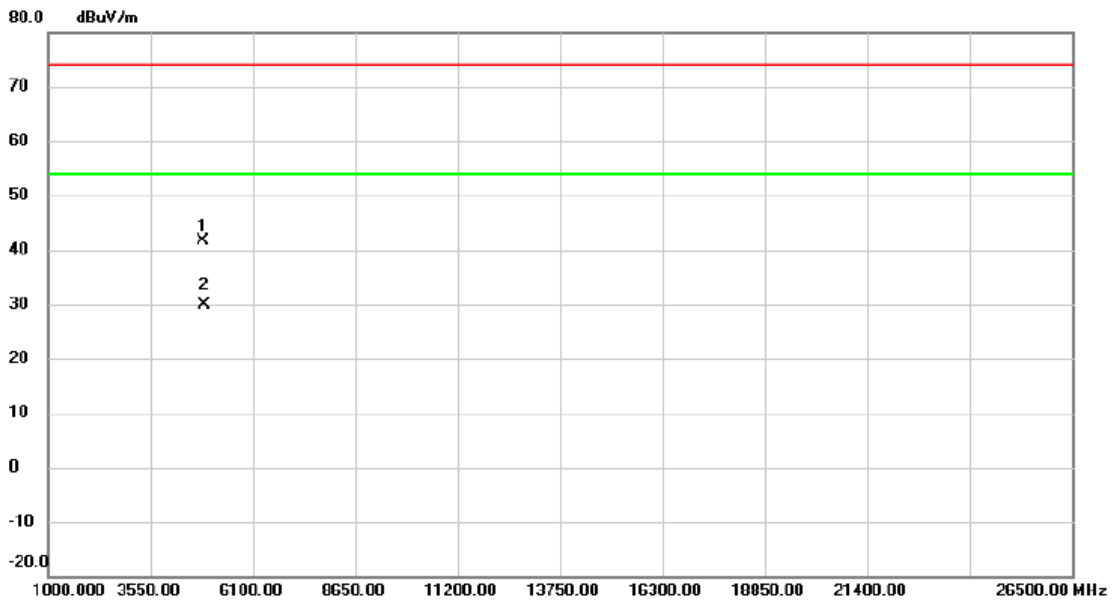
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	56.48	10.56	67.04	74.00	-6.96	peak	
2		2390.000	43.15	10.56	53.71	54.00	-0.29	AVG	
3	*	2432.360	94.95	10.65	105.60	54.00	51.60	AVG	No Limit
4	X	2439.960	104.41	10.67	115.08	74.00	41.08	peak	No Limit
5		2483.500	52.57	10.77	63.34	74.00	-10.66	peak	
6		2483.500	40.68	10.77	51.45	54.00	-2.55	AVG	
7		2484.500	56.86	10.78	67.64	74.00	-6.36	peak	
8		2484.500	41.25	10.78	52.03	54.00	-1.97	AVG	

REMARKS:

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

Test Mode: TX AX-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		4874.920	34.85	6.87	41.72	74.00	-32.28	peak	
2	*	4877.120	23.07	6.88	29.95	54.00	-24.05	AVG	

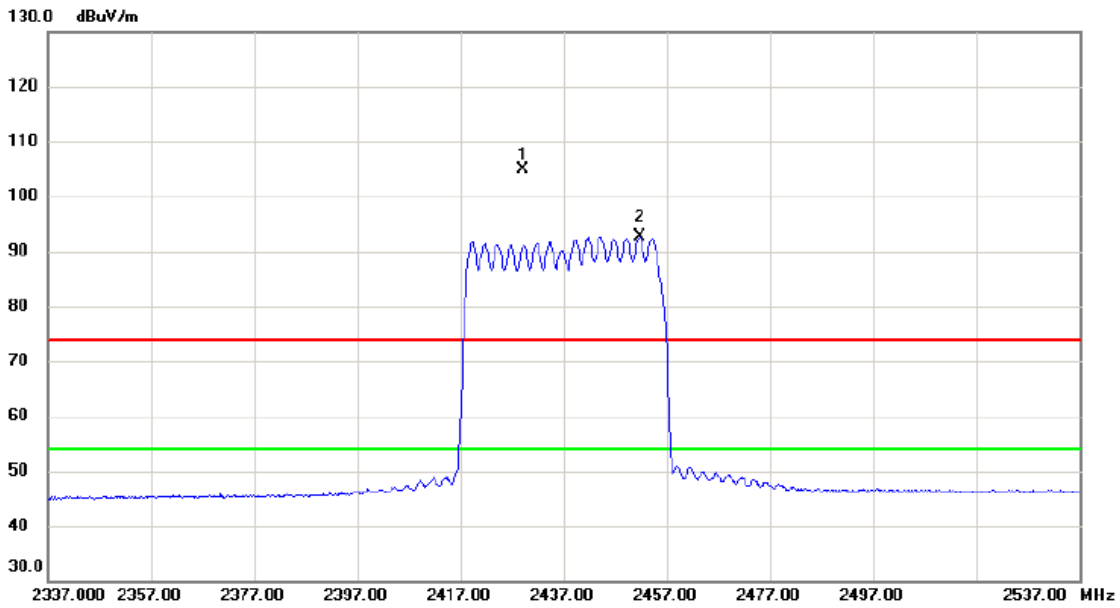
REMARKS:

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

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

Test Mode: TX AX-40M Mode 2437 MHz

Horizontal



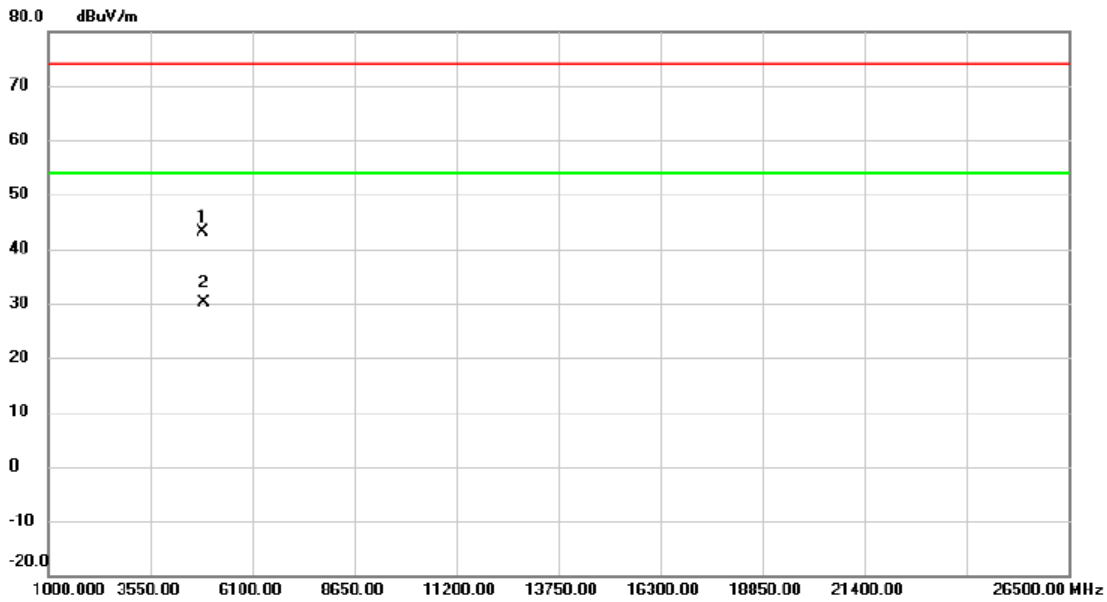
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	X	2429.100	94.24	10.61	104.85	74.00	30.85	peak	No Limit
2	*	2451.700	82.04	10.66	92.70	54.00	38.70	AVG	No Limit

REMARKS:

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

Test Mode: TX AX-40M Mode 2437 MHz

Horizontal



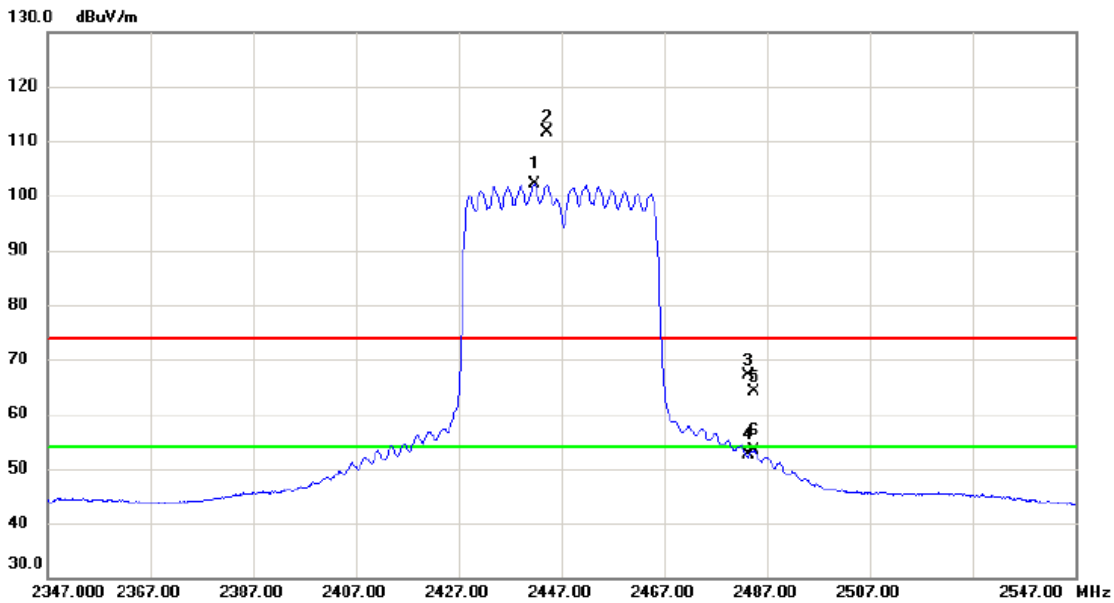
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4872.502	36.21	6.87	43.08	74.00	-30.92	peak	
2 *	4876.015	23.15	6.88	30.03	54.00	-23.97	AVG	

REMARKS:

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

Test Mode: TX AX-40M Mode 2447 MHz

Vertical



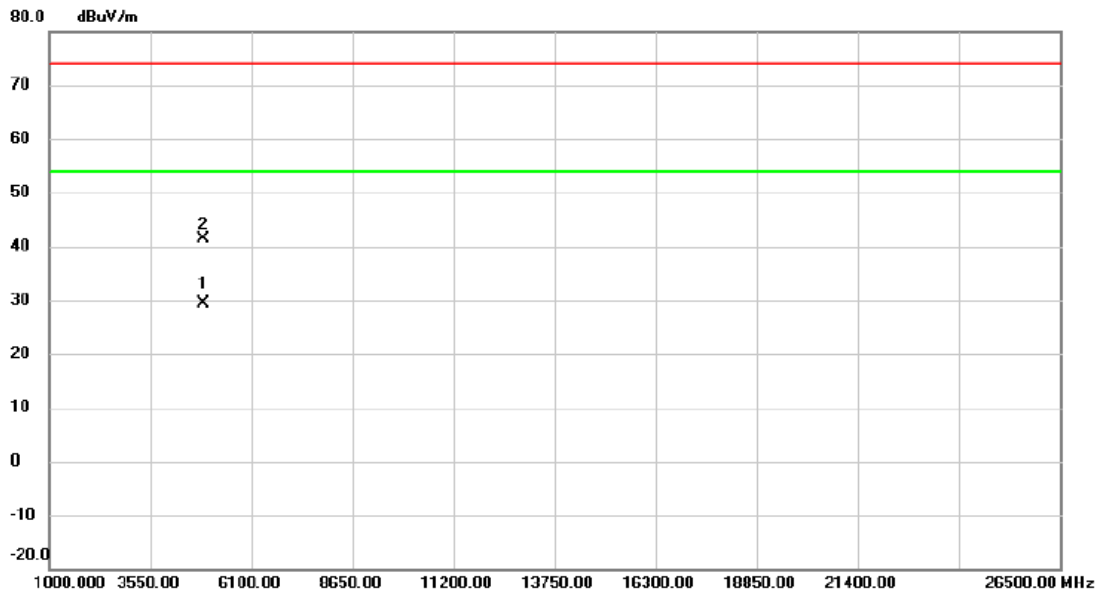
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2441.680	91.37	10.68	102.05	54.00	48.05	AVG	
2	X	2444.260	100.94	10.69	111.63	74.00	37.63	peak	
3		2483.500	56.38	10.77	67.15	74.00	-6.85	peak	No Limit
4		2483.500	41.84	10.77	52.61	54.00	-1.39	AVG	
5		2484.440	53.23	10.78	64.01	74.00	-9.99	peak	
6		2484.440	42.58	10.78	53.36	54.00	-0.64	AVG	

REMARKS:

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

Test Mode: TX AX-40M Mode 2447 MHz

Vertical



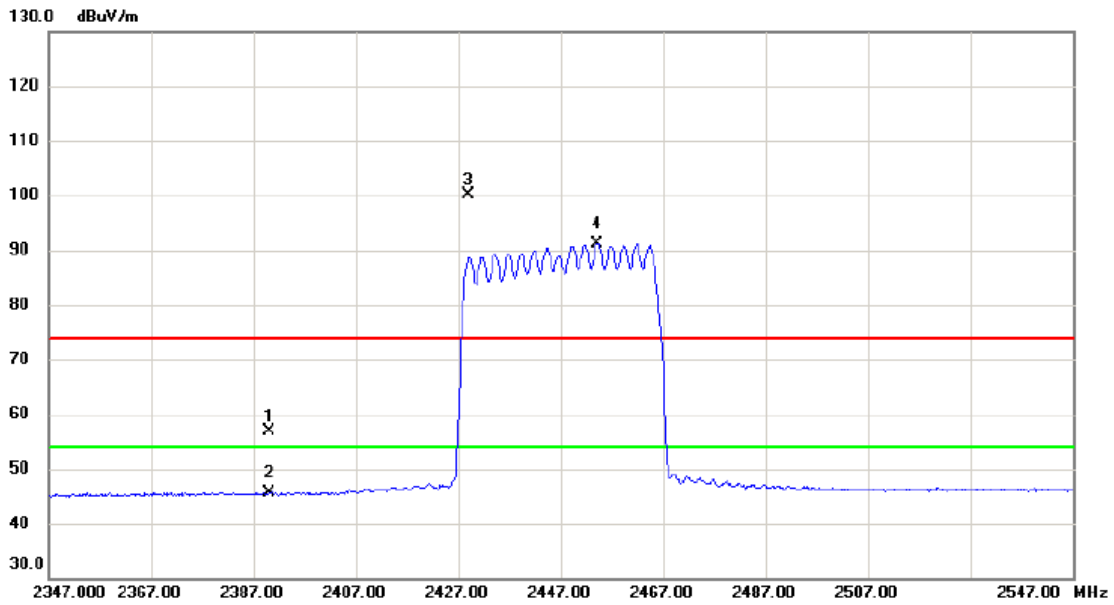
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4889.025	22.57	6.92	29.49	54.00	-24.51	AVG	
2		4889.480	34.50	6.92	41.42	74.00	-32.58	peak	

REMARKS:

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

Test Mode: TX AX-40M Mode 2447 MHz

Horizontal



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.000	46.42	10.50	56.92	74.00	-17.08	peak	
2	2390.000	35.03	10.50	45.53	54.00	-8.47	AVG	
3 X	2429.100	89.44	10.61	100.05	74.00	26.05	peak	No Limit
4 *	2454.100	80.51	10.68	91.19	54.00	37.19	AVG	No Limit

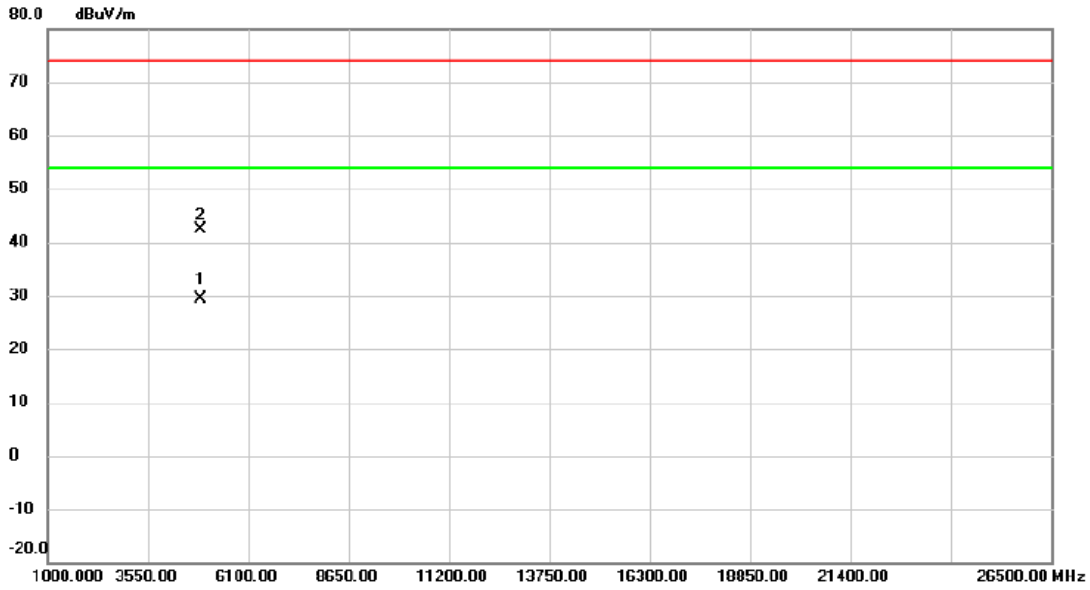
REMARKS:

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

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

Test Mode: TX AX-40M Mode 2447 MHz

Horizontal



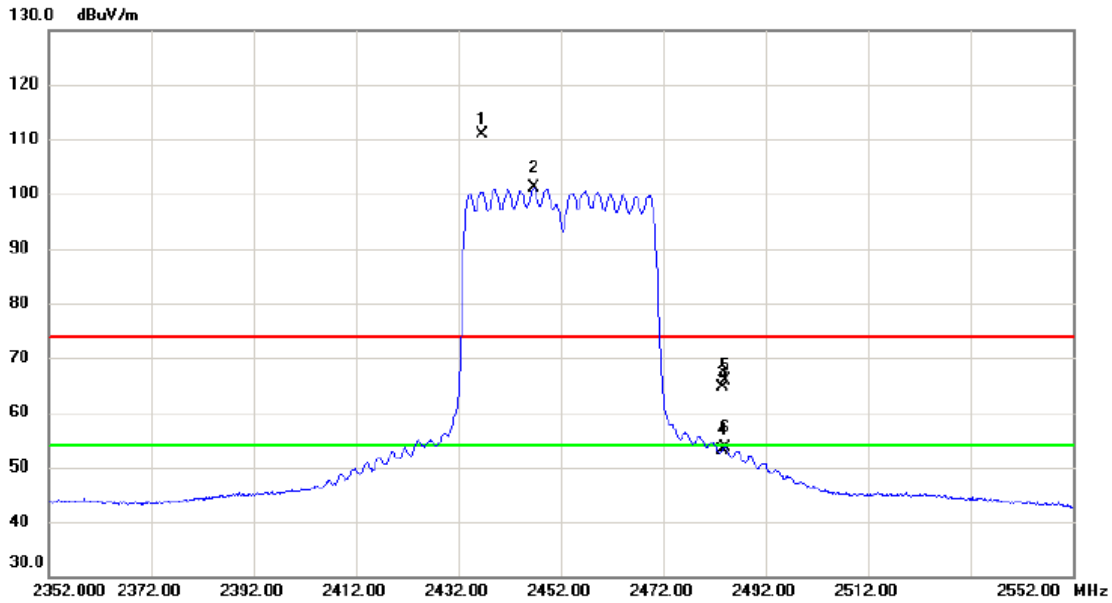
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4894.000	22.50	6.93	29.43	54.00	-24.57	AVG	
2		4896.300	35.51	6.93	42.44	74.00	-31.56	peak	

REMARKS:

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

Test Mode: TX AX-40M Mode 2452 MHz

Vertical



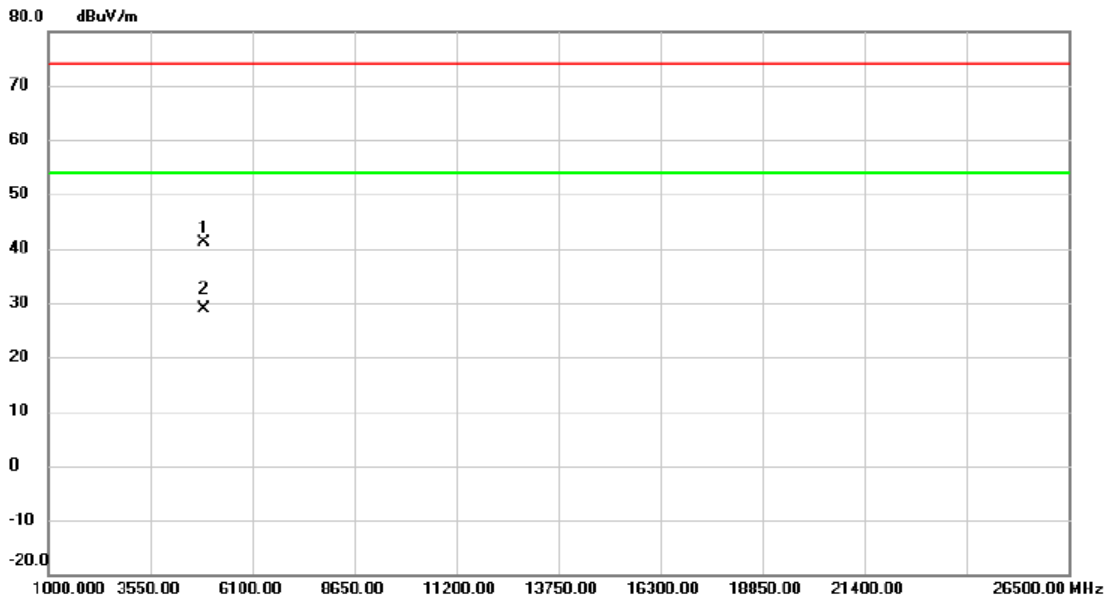
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2436.780	100.22	10.67	110.89	74.00	36.89	peak	No Limit
2	*	2446.720	90.42	10.69	101.11	54.00	47.11	AVG	No Limit
3		2483.500	53.87	10.77	64.64	74.00	-9.36	peak	
4		2483.500	42.30	10.77	53.07	54.00	-0.93	AVG	
5		2484.020	55.14	10.77	65.91	74.00	-8.09	peak	
6		2484.020	42.95	10.77	53.72	54.00	-0.28	AVG	

REMARKS:

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

Test Mode: TX AX-40M Mode 2452 MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4901.680	34.19	6.96	41.15	74.00	-32.85	peak	
2 *	4903.780	21.82	6.97	28.79	54.00	-25.21	AVG	

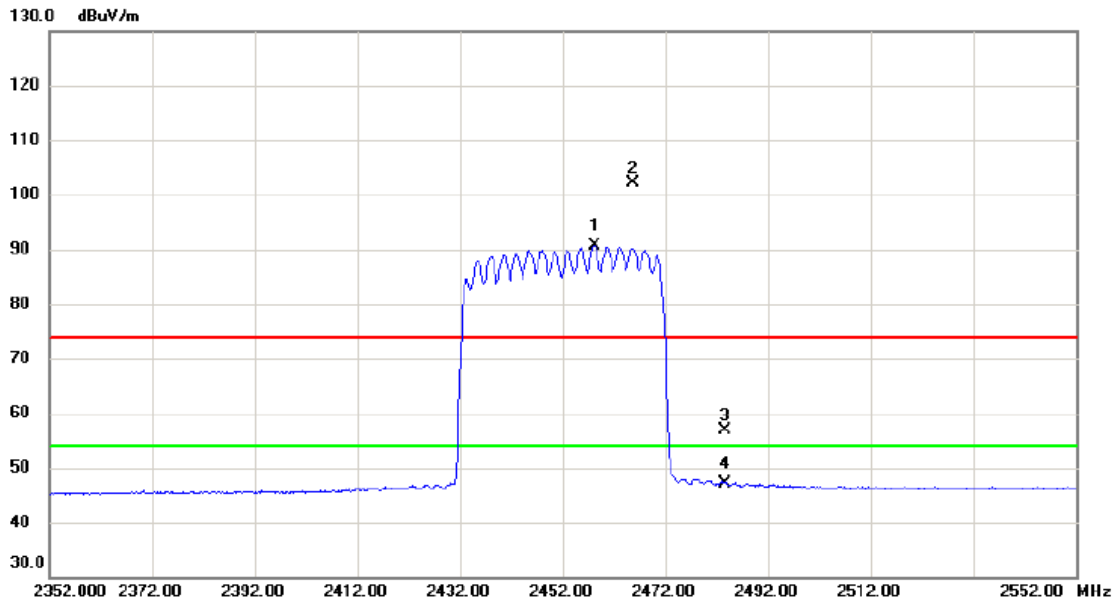
REMARKS:

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

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

Test Mode: TX AX-40M Mode 2452 MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2458.200	79.99	10.69	90.68	54.00	36.68	AVG	No Limit
2	X	2465.700	91.36	10.71	102.07	74.00	28.07	peak	No Limit
3		2483.500	46.17	10.76	56.93	74.00	-17.07	peak	
4		2483.500	36.49	10.76	47.25	54.00	-6.75	AVG	

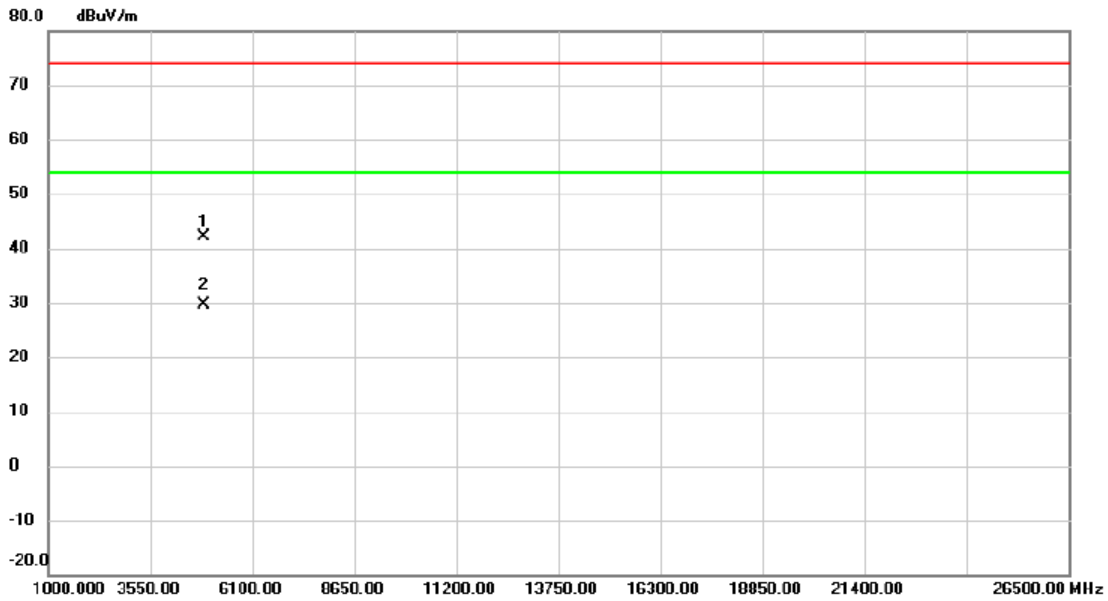
REMARKS:

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

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

Test Mode: TX AX-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	4901.615	35.29	6.96	42.25	74.00	-31.75	peak	
2 *	4906.483	22.61	6.97	29.58	54.00	-24.42	AVG	

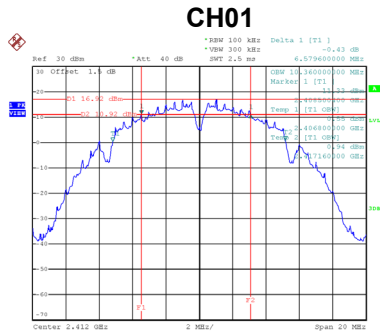
REMARKS:

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

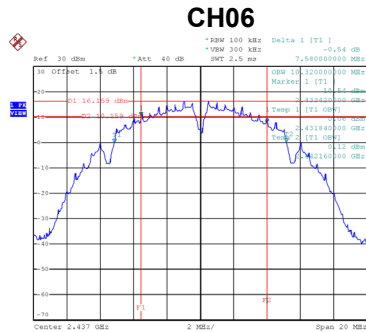
APPENDIX E - BANDWIDTH

Test Mode	TX B Mode
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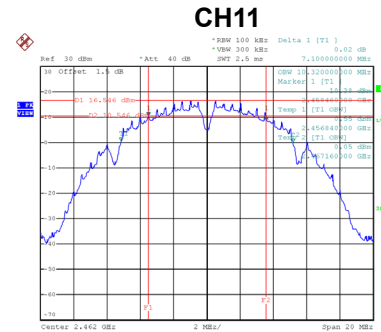
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	6.58	500	Complies
06	2437	7.58	500	Complies
11	2462	7.10	500	Complies



Date: 30.APR.2020 14:42:22

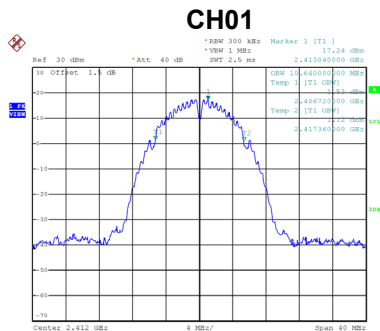


Date: 30.APR.2020 14:44:12

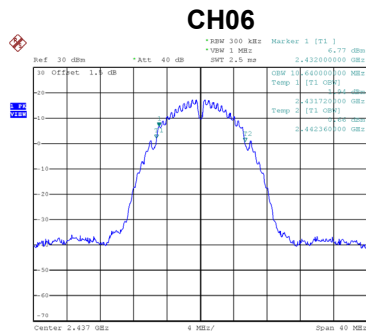


Date: 30.APR.2020 14:46:14

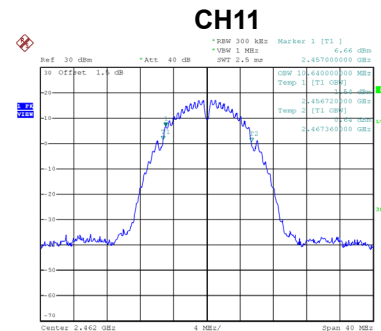
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	10.64	Complies
06	2437	10.64	Complies
11	2462	10.64	Complies



Date: 30.APR.2020 15:12:33



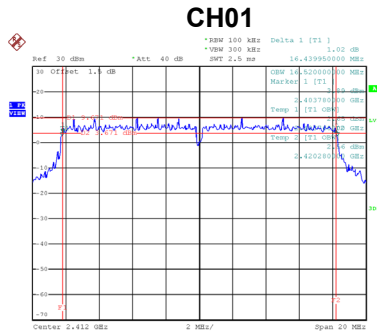
Date: 30.APR.2020 15:12:52



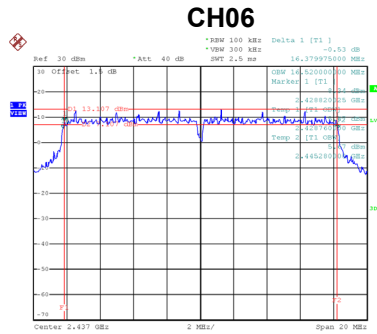
Date: 30.APR.2020 15:13:09

Test Mode	TX G Mode
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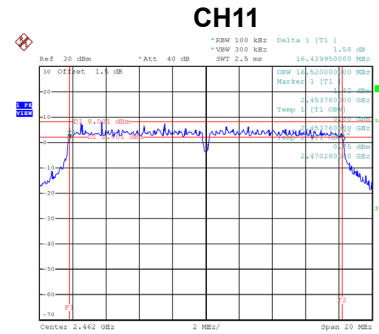
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	16.44	500	Complies
06	2437	16.38	500	Complies
11	2462	16.44	500	Complies



Date: 30.APR.2020 14:47:14

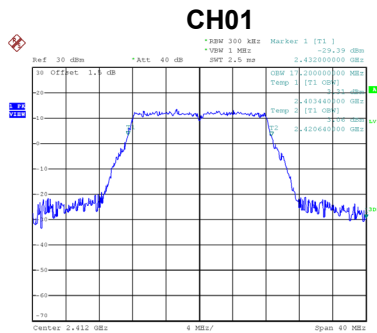


Date: 30.APR.2020 14:48:53

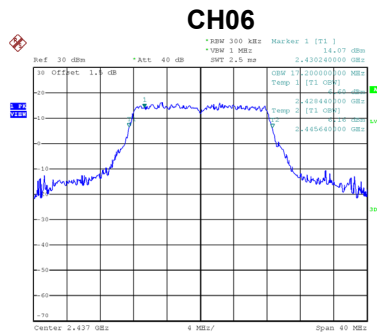


Date: 30.APR.2020 14:50:21

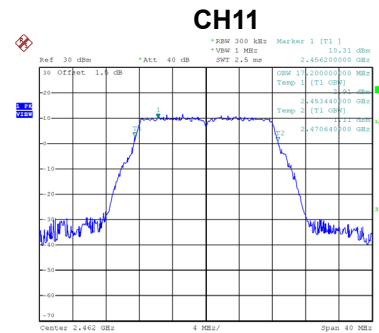
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	17.20	Complies
06	2437	17.20	Complies
11	2462	17.20	Complies



Date: 30.APR.2020 15:13:36



Date: 30.APR.2020 15:13:58



Date: 30.APR.2020 15:14:25