

FCC Radio Test Report

FCC ID: TE7X20

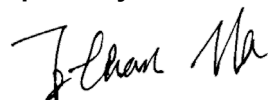
This report concerns: Original Grant

Project No. : 1910C060
Equipment : AX1800 Whole Home Mesh Wi-Fi System
Brand Name : tp-link
Test Model : Deco X20
Series Model : Deco W3600
Applicant : TP-Link Technologies Co., Ltd.
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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 : Oct. 14, 2019
Date of Test : Oct. 15, 2019 ~ Nov. 15, 2019
Issued Date : Jan. 02, 2020
Report Version : R00
Test Sample : Engineering Sample No.: DG2019101528 for conducted, DG2019101529 for radiated.
Standard(s) : FCC Part15, Subpart C (15.247)
 ANSI C63.10-2013
 FCC KDB 558074 D01 15.247 Meas Guidance v05r02
 FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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



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

Limitation

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

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

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Jan. 02, 2020

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

Note:

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

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.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

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	53%	AC 120V/60Hz	Laughing Zhang
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V/60Hz	Laughing Zhang
Radiated Emissions-30 MHz to 1GHz	24°C	68%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-Above 1000 MHz	26°C	65%	AC 120V/60Hz	Berton Luo
Bandwidth	24°C	55%	AC 120V/60Hz	Jonas Chen
Maximum Output Power	24°C	55%	AC 120V/60Hz	Laughing Zhang
Conducted Spurious Emissions	24°C	55%	AC 120V/60Hz	Jonas Chen
Power Spectral Density	24°C	55%	AC 120V/60Hz	Jonas Chen

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AX1800 Whole Home Mesh Wi-Fi System
Brand Name	tp-link
Test Model	Deco X20
Series Model	Deco W3600
Model Difference(s)	Only differ in model name.
Power Source	DC Voltage supplied from AC/DC adapter. Model: T120150-2B4
Power Rating	I/P: 100-240V~ 50/60Hz 0.6A O/P: 12V  1.5A
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM IEEE 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 574 Mbps
Maximum Output Power	IEEE 802.11b: 28.58 dBm (0.7211 W) IEEE 802.11g: 27.05 dBm (0.5070 W) IEEE 802.11n (HT20): 26.25 dBm (0.4217 W) IEEE 802.11n (HT40): 24.94 dBm (0.3119 W) IEEE 802.11ax (HEW20): 26.30 dBm (0.4266 W) IEEE 802.11ax (HEW40): 25.11 dBm (0.3243 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	P/N	Antenna Type	Connector	Gain (dBi)
1		3101502752	PCB	I-PEX	1.95
2		3101502753	PCB	I-PEX	1.97

Note:

This EUT supports CDD, any transmit signals are correlated with each other, so Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N]$ dBi, that is Directional gain = $10\log[(10^{1.95/20} + 10^{1.97/20})^2 / 2]$ dBi = 4.97.

4. Table for Antenna Configuration:

Operating Mode	TX Mode	2TX
IEEE 802.11b		V (Ant. 1+ Ant. 2)
IEEE 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 01/02/06/10/11
Mode 8	TX G Mode Channel 01/02/06/10/11
Mode 9	TX N-20 MHz Mode Channel 01/02/06/10/11
Mode 10	TX N-40 MHz Mode Channel 03/04/06/08/09
Mode 11	TX AX-20 MHz Mode Channel 01/02/06/10/11
Mode 12	TX AX-40 MHz Mode Channel 03/04/06/08/09
Mode 13	TX B Mode Channel 01

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 13	TX B Mode Channel 01

Radiated emissions test - Below 1GHz	
Final Test Mode:	Description
Mode 13	TX B Mode Channel 01

Radiated emissions test - Above 1GHz	
Final Test Mode:	Description
Mode 7	TX B Mode Channel 01/02/06/10/11
Mode 8	TX G Mode Channel 01/02/06/10/11
Mode 9	TX N-20 MHz Mode Channel 01/02/06/10/11
Mode 10	TX N-40 MHz Mode Channel 03/04/06/08/09
Mode 11	TX AX-20 MHz Mode Channel 01/02/06/10/11
Mode 12	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) For radiated emission below 1 GHz test, the IEEE 802.11b Channel 01 is found to be the worst case and recorded.
- (3) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (4) For radiated emission above 1 GHz test, 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.

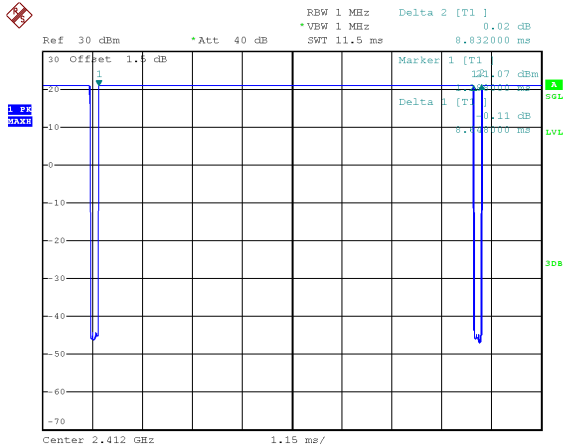
2.3 PARAMETERS OF TEST SOFTWARE

Test Software	QSPR		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	25	25	24
IEEE 802.11g	19.5	24	19.5
IEEE 802.11n (HT20)	22	24	21
IEEE 802.11ax (HEW20)	22	24	21
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	19	21.5	18
IEEE 802.11ax (HEW40)	19	21.5	18

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.

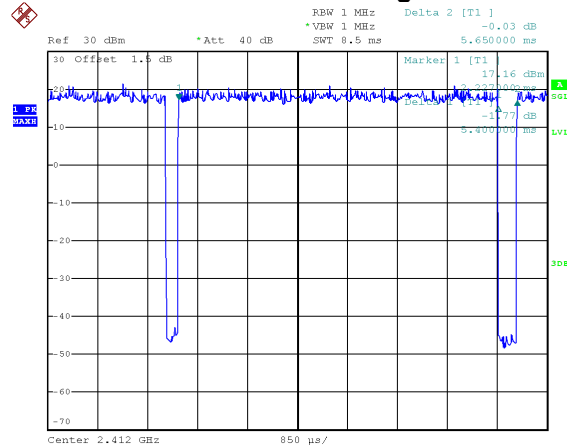
IEEE 802.11b



Date: 6.NOV.2019 14:39:50

Duty cycle = 8.648 ms / 8.832 ms = 97.92%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.09$

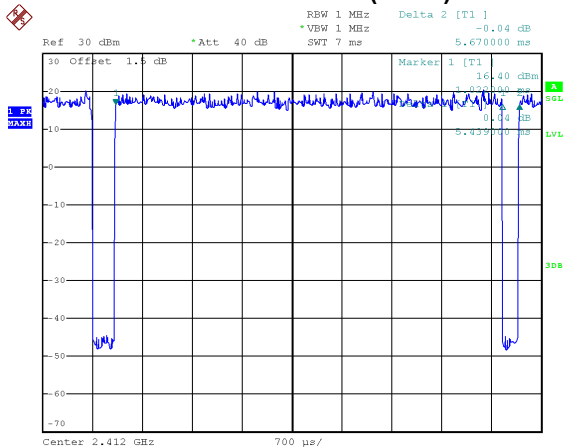
IEEE 802.11g



Date: 6.NOV.2019 14:42:28

Duty cycle = 5.400 ms / 5.650 ms = 95.58%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.20$

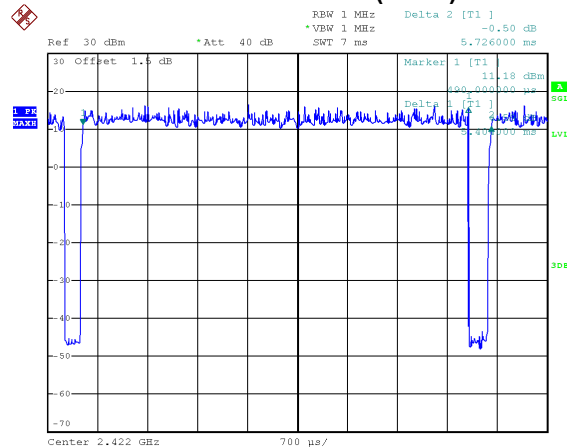
IEEE 802.11n (HT20)



Date: 6.NOV.2019 14:40:46

Duty cycle = 5.439 ms / 5.670 ms = 95.93%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.18$

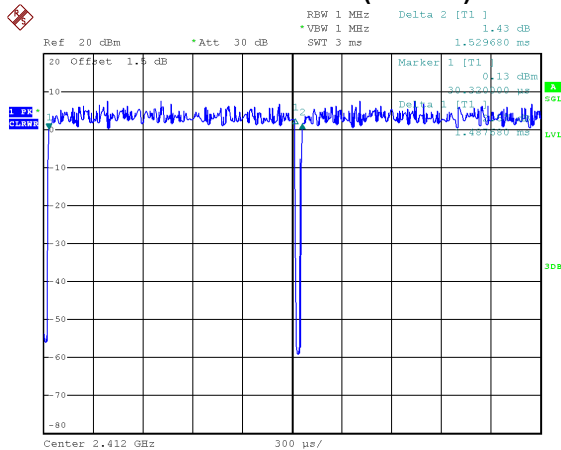
IEEE 802.11n (HT40)



Date: 6.NOV.2019 14:41:17

Duty cycle = 5.404 ms / 5.726 ms = 94.38%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.25$

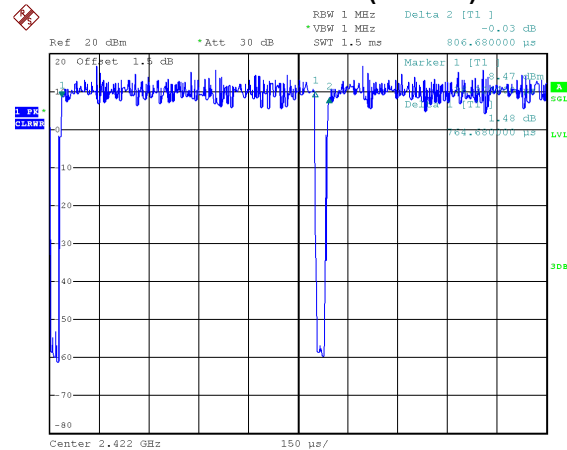
IEEE 802.11ax (HEW20)



Date: 5.AUG.2019 17:17:57

Duty cycle = 5.460 ms / 5.720 ms = 95.45%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.20$

IEEE 802.11ax (HEW40)



Date: 5.AUG.2019 17:21:03

Duty cycle = 5.420 ms / 5.720 ms = 94.76%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.23$

NOTE:

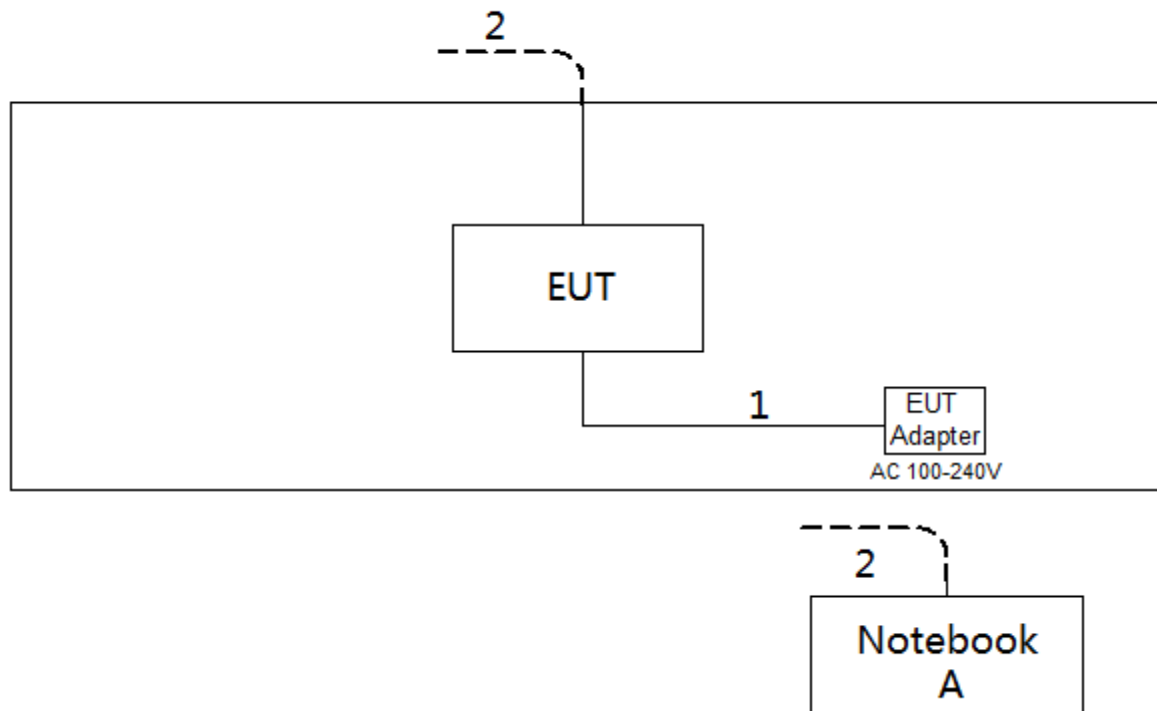
For IEEE 802.11g, IEEE 802.11n (HT20) and IEEE 802.11ax (HEW20):

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.
A	Notebook	Dell	Inspiron 15-7559	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.5m
2	RJ45 Cable	NO	NO	10m

3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

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

NOTE:

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

The following table is the setting of the receiver

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

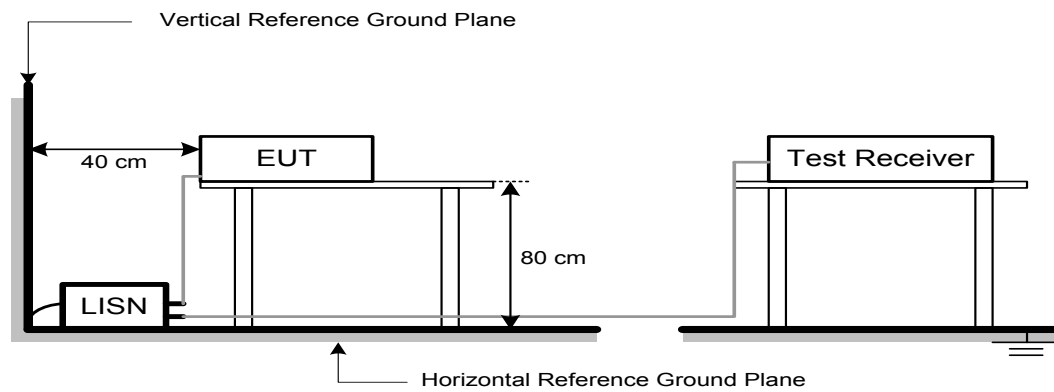
3.2 TEST PROCEDURE

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

3.3 DEVIATION FROM TEST STANDARD

No deviation

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS TEST

4.1 LIMIT

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

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

NOTE:

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

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

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

4.2 TEST PROCEDURE

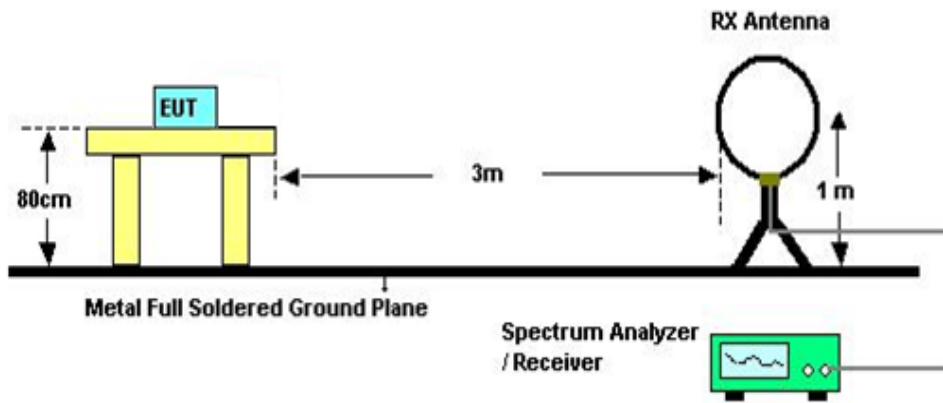
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b. The measuring distance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

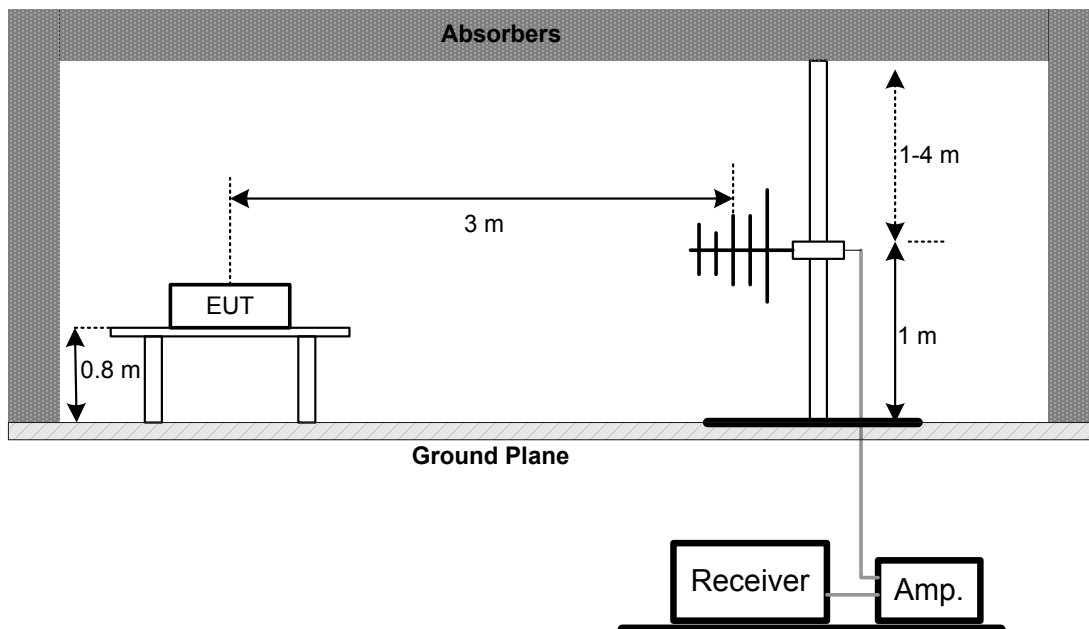
No deviation

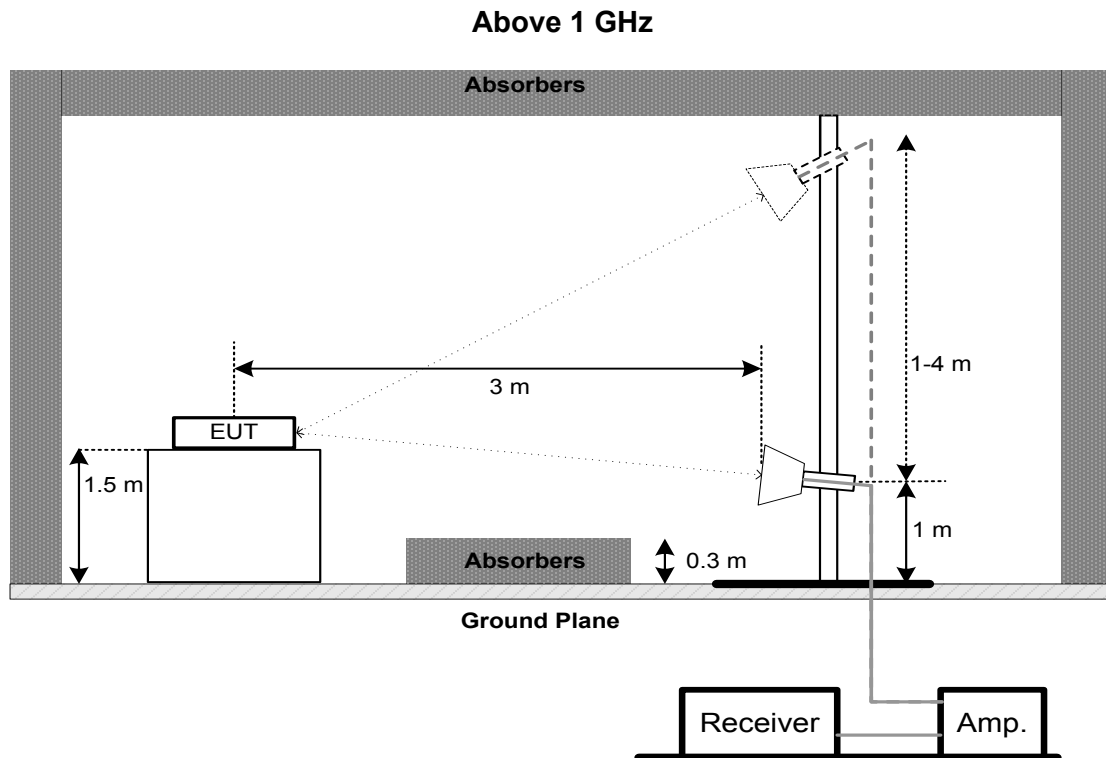
4.4 TEST SETUP

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	-

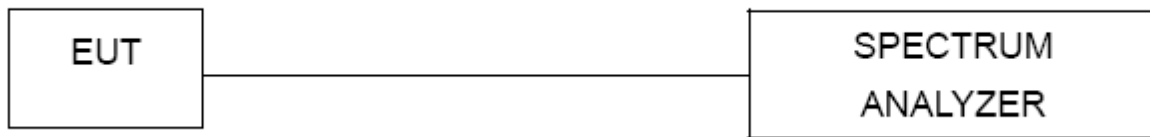
5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- For 6dB Bandwidth Spectrum setting: RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.
For 99% OBW Spectrum Setting: For B,G,N20,AX20 mode: RBW= 300KHz, VBW=1MHz, For N40, AX40 mode: RBW= 1MHz, VBW=3MHz, Sweep time = 2.5 ms.
- The bandwidth was performed in accordance with method 11.8.1 of ANSI C63.10-2013.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER TEST

6.1 LIMIT

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

6.2 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- The maximum conducted output power was performed in accordance with method 11.9.2.3.1 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.

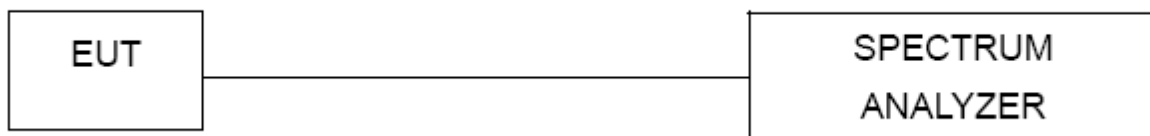
7.2 TEST PROCEDURE

- 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)

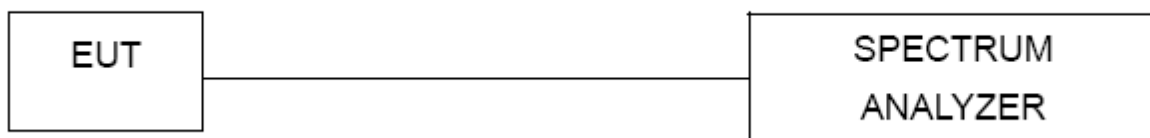
8.2 TEST PROCEDURE

- 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	Mar. 10, 2020
2	LISN	EMCO	3816/2	52765	Mar. 10, 2020
3	50ohm Terminator	SHX	TF5-3	15041305	Mar. 10, 2020
4	TWO-LINE V-NETWORK	R&S	ENV216	101447	May 19, 2020
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 12, 2020

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EM	EM-6876-1	230	Jan. 15, 2020
2	Cable	N/A	RG 213/U	C-102	May 31, 2020
3	EMI Test Receiver	R&S	ESCI	100895	Mar. 10, 2020
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, 2020
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 24, 2020
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	Mar. 09, 2020
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 23, 2020
3	Amplifier	Agilent	8449B	3008A02333	Mar. 10, 2020
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 10, 2020
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	mitron	B10-01-01-12M	18072744	Jun. 29, 2020
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

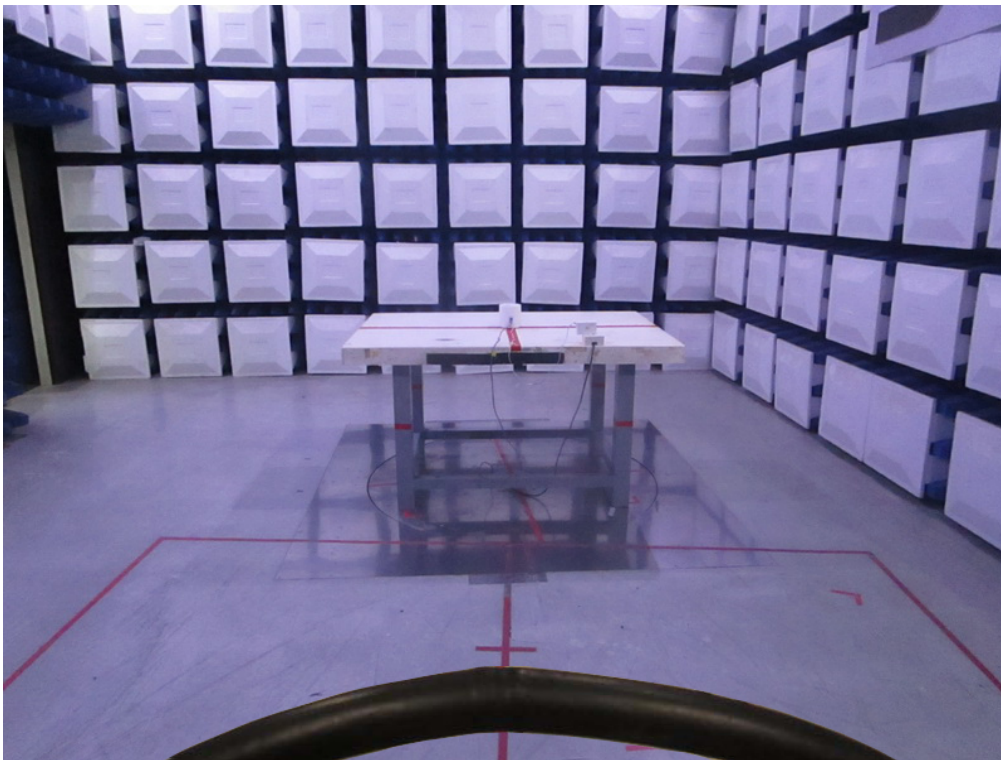
Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Aug. 03, 2020
2	Wideband power sensor	Keysight	N1923A	MY58310004	Aug. 03, 2020

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

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

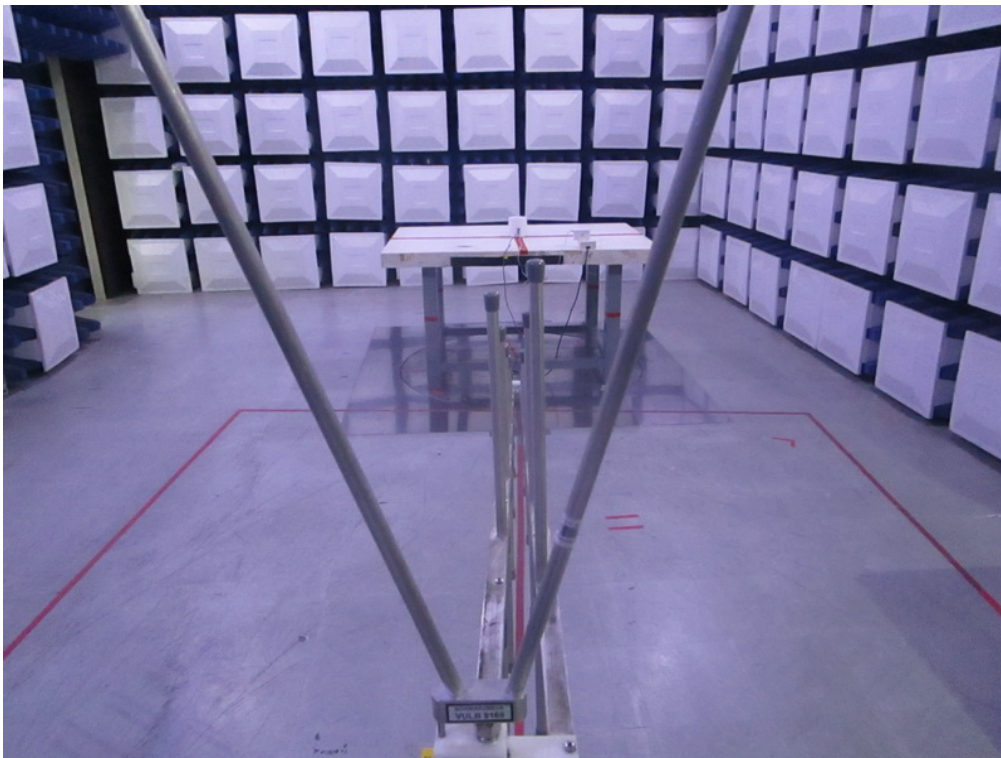
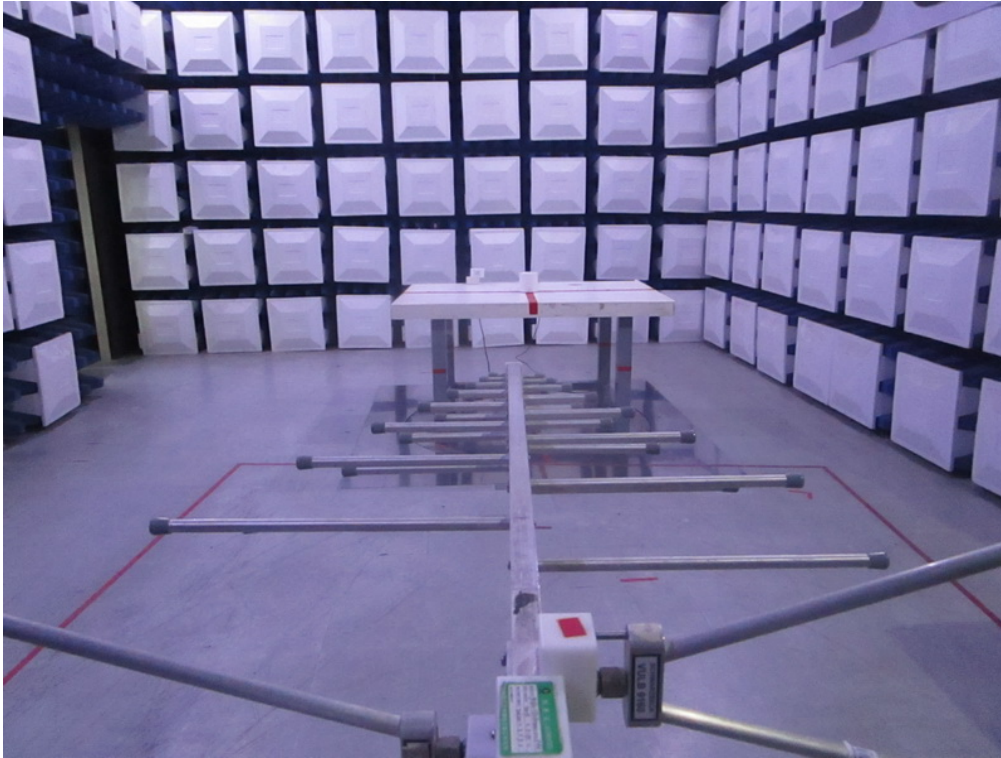
Except * item, all calibration period of equipment list is one year.

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

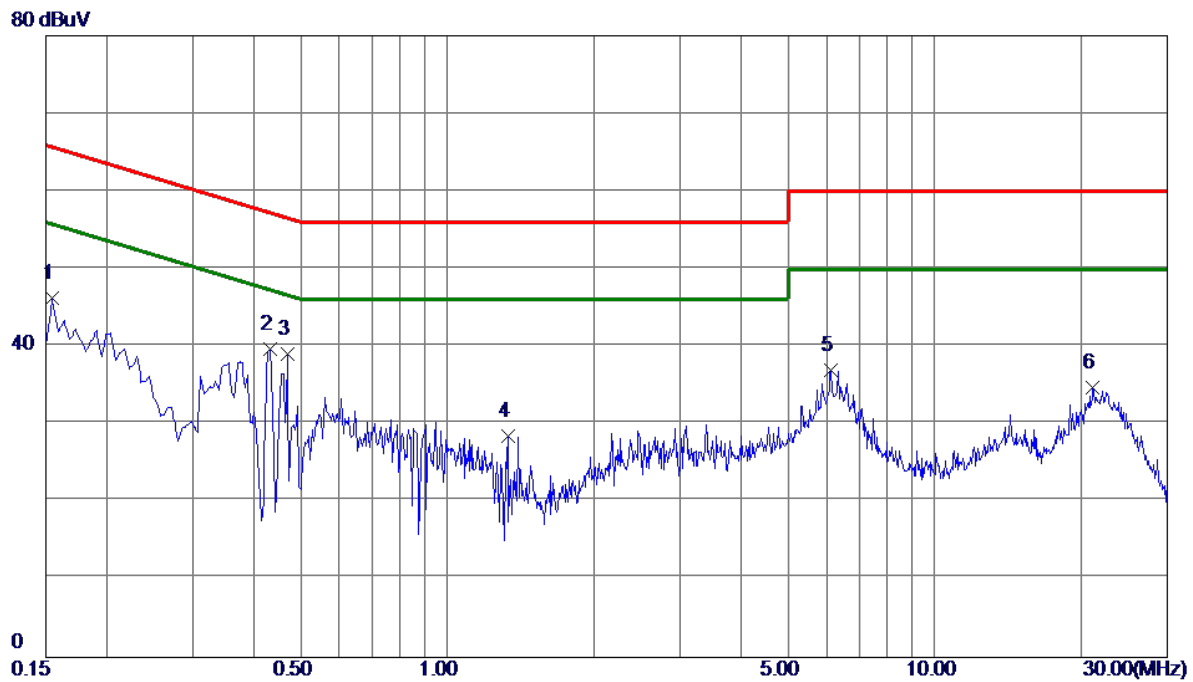
Above 1 GHz



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode: TX B Mode Channel 01

Line



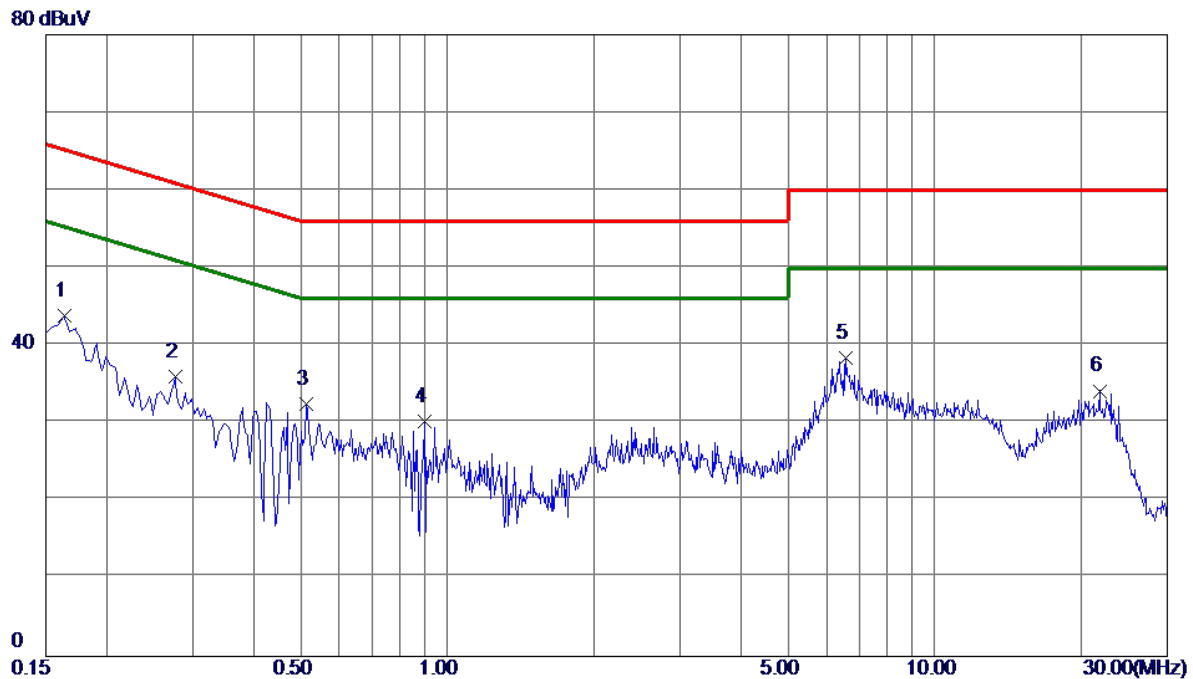
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1545	36.39	9.82	46.21	65.75	-19.54	Peak	
2	0.4335	29.76	9.87	39.63	57.19	-17.56	Peak	
3 *	0.4695	29.10	9.88	38.98	56.52	-17.54	Peak	
4	1.3290	18.61	9.94	28.55	56.00	-27.45	Peak	
5	6.1350	26.70	10.27	36.97	60.00	-23.03	Peak	
6	21.1110	23.54	11.18	34.72	60.00	-25.28	Peak	

REMARKS:

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

Test Mode: TX B Mode Channel 01

Neutral



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1635	33.89	9.91	43.80	65.28	-21.48	Peak	
2	0.2760	26.01	9.94	35.95	60.94	-24.99	Peak	
3	0.5144	22.42	10.03	32.45	56.00	-23.55	Peak	
4	0.8970	20.16	10.09	30.25	56.00	-25.75	Peak	
5	6.5670	27.90	10.55	38.45	60.00	-21.55	Peak	
6	21.8085	22.68	11.48	34.16	60.00	-25.84	Peak	

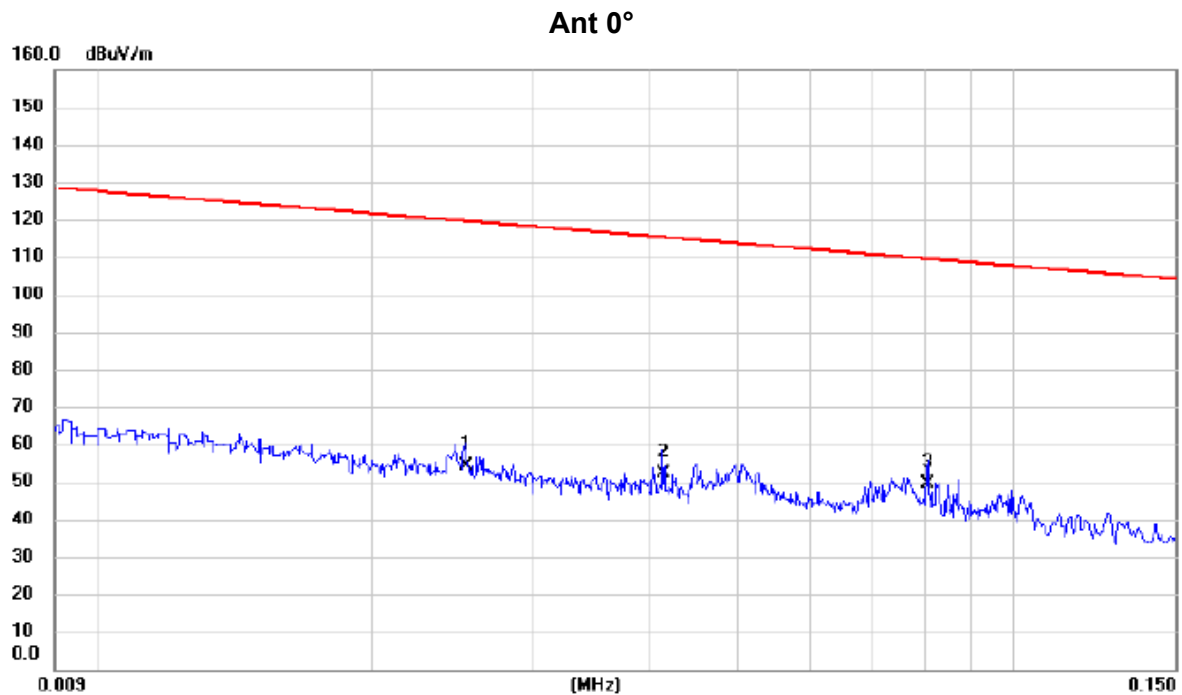
REMARKS:

(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 01



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0253	40.36	13.84	54.20	119.54	-65.34	AVG	
2		0.0415	38.41	13.90	52.31	115.24	-62.93	AVG	
3	*	0.0805	35.69	13.54	49.23	109.49	-60.26	AVG	

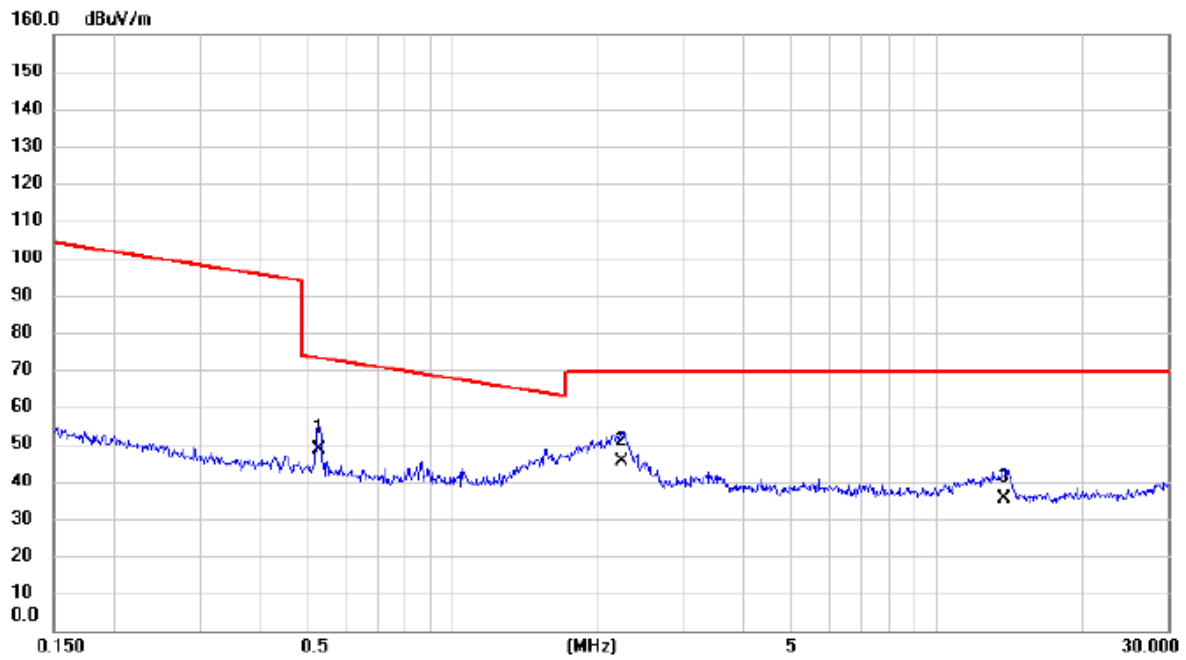
REMARKS:

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

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

Test Mode: TX B Mode Channel 01

Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		0.5293	35.64	13.00	48.64	73.13	-24.49	QP
2	*	2.2367	33.56	11.68	45.24	69.54	-24.30	QP
3		13.7680	23.67	11.58	35.25	69.54	-34.29	QP

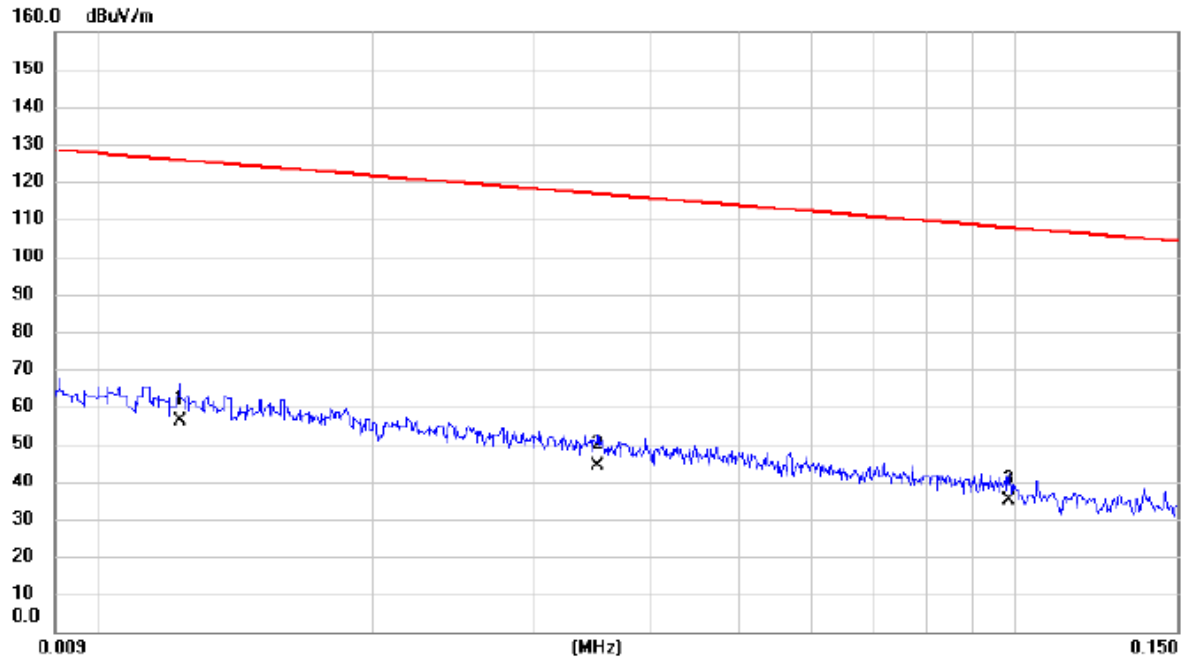
REMARKS:

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

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

Test Mode: TX B Mode Channel 01

Ant 90°



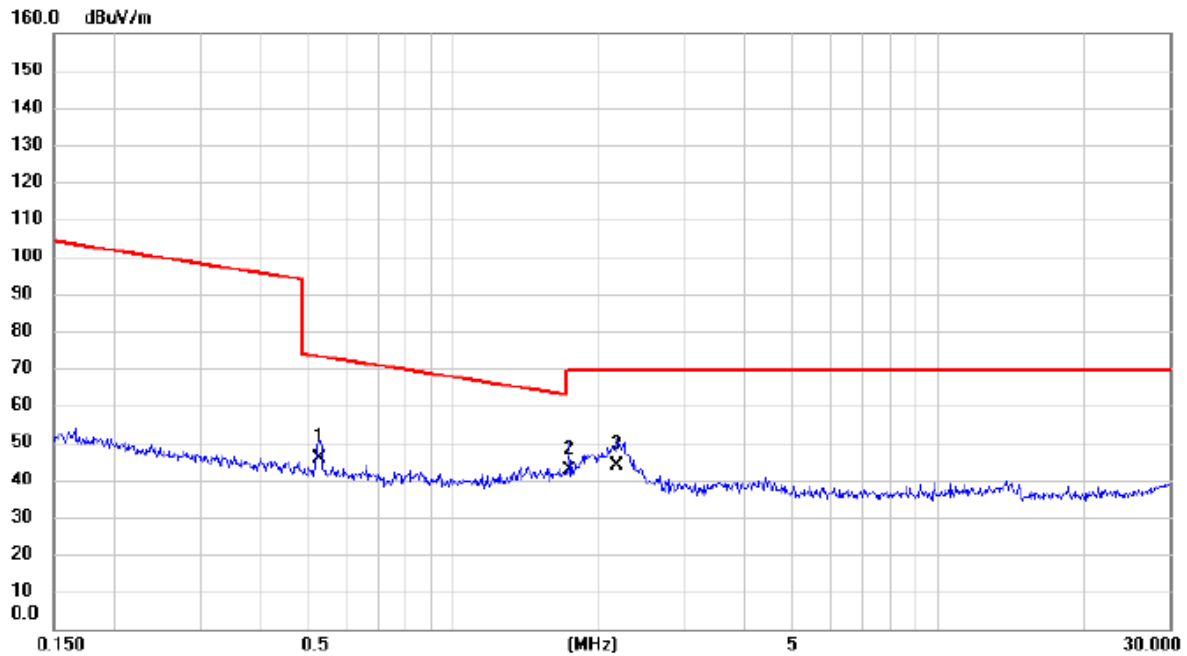
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0123	40.21	16.13	56.34	125.81	-69.47	AVG	
2		0.0350	30.45	13.88	44.33	116.72	-72.39	AVG	
3		0.0984	21.64	13.54	35.18	107.75	-72.57	QP	

REMARKS:

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

Test Mode: TX B Mode Channel 01

Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.5293	32.65	13.00	45.65	73.13	-27.48	QP	
2		1.7345	30.45	12.00	42.45	69.54	-27.09	QP	
3	*	2.1783	31.98	11.71	43.69	69.54	-25.85	QP	

REMARKS:

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

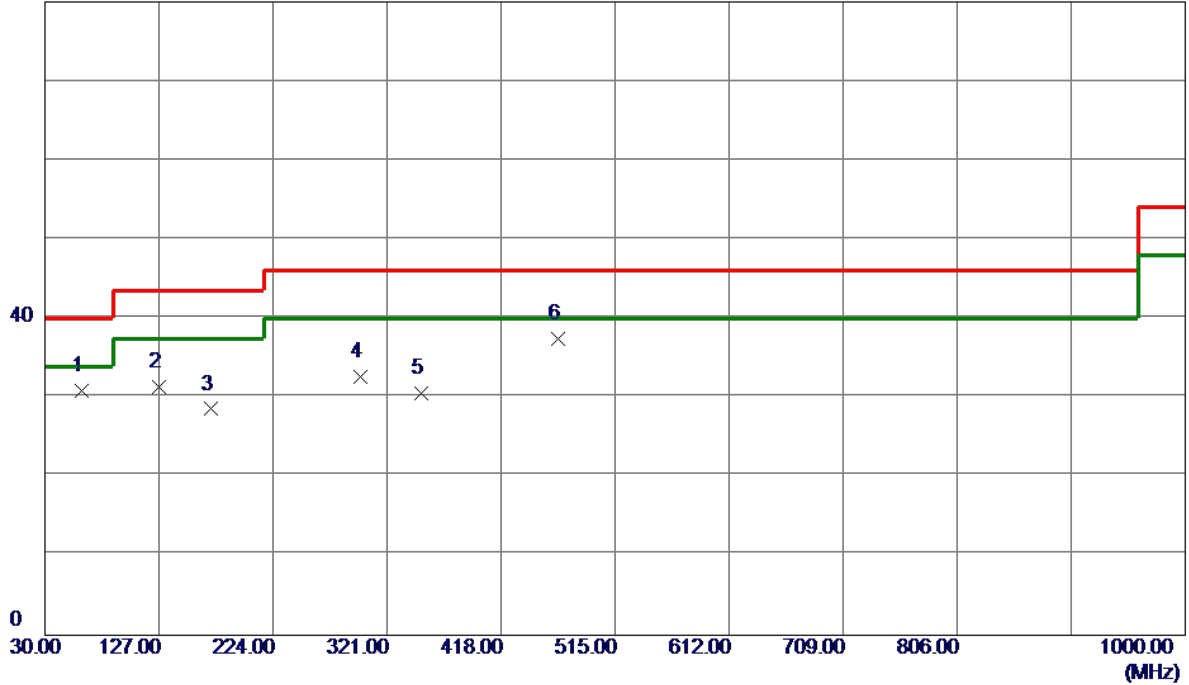
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode: TX B Mode Channel 01

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	61.5250	45.88	-14.95	30.93	40.00	-9.07	Peak	
2	126.5150	44.45	-13.11	31.34	43.50	-12.16	Peak	
3	171.1350	41.13	-12.57	28.56	43.50	-14.94	Peak	
4	298.6900	44.25	-11.61	32.64	46.00	-13.36	Peak	
5	350.5850	41.34	-10.73	30.61	46.00	-15.39	Peak	
6 *	466.5000	45.47	-8.02	37.45	46.00	-8.55	Peak	

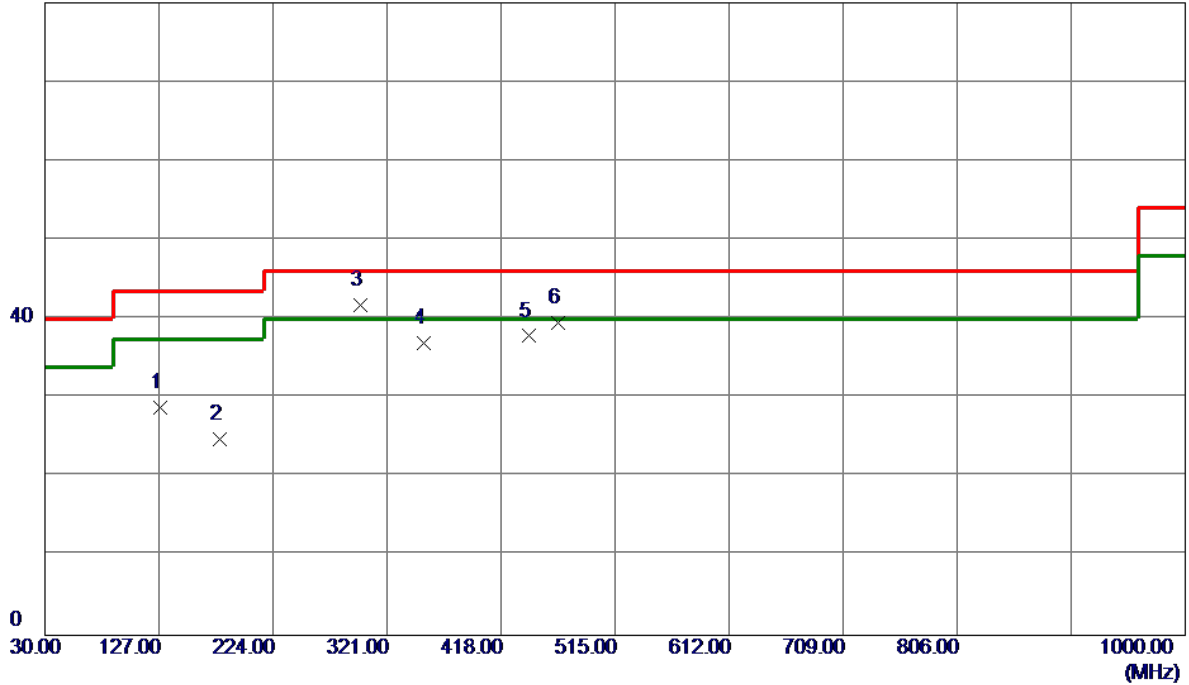
REMARKS:

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

Test Mode: TX B Mode Channel 01

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	127.9700	41.97	-13.11	28.86	43.50	-14.64	Peak	
2	178.4100	37.87	-13.09	24.78	43.50	-18.72	Peak	
3 *	298.6900	53.36	-11.61	41.75	46.00	-4.25	Peak	
4	352.0400	47.69	-10.69	37.00	46.00	-9.00	Peak	
5	441.7650	46.21	-8.37	37.84	46.00	-8.16	Peak	
6	466.5000	47.52	-8.02	39.50	46.00	-6.50	Peak	

REMARKS:

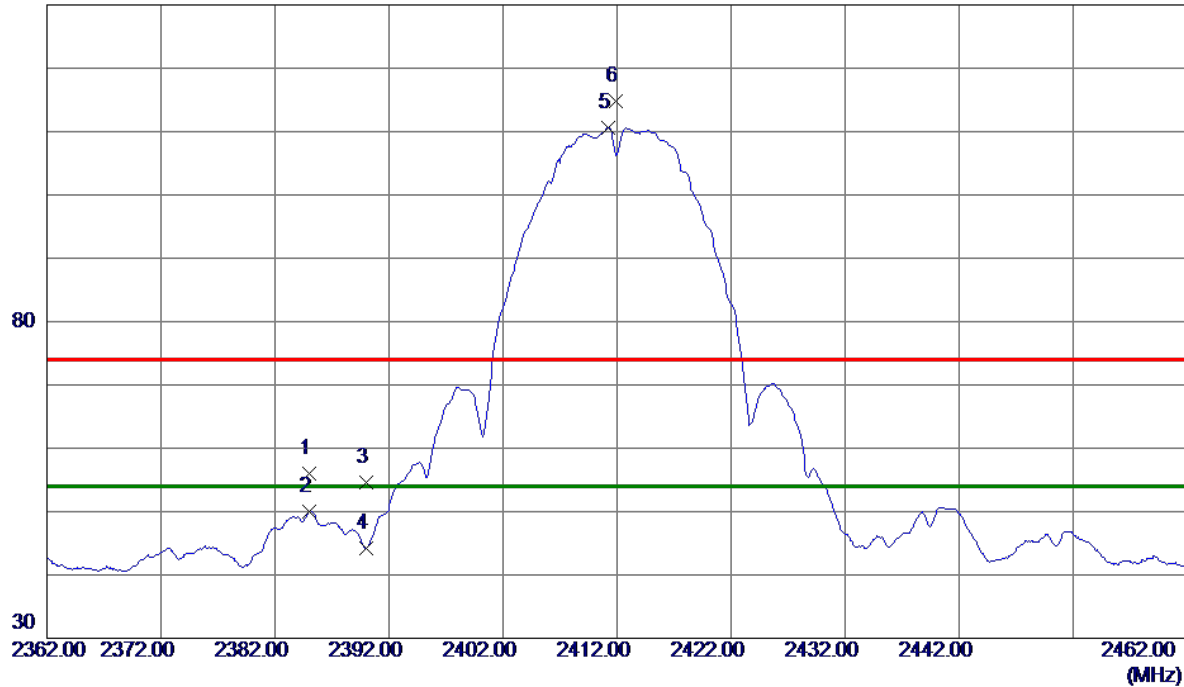
- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

Test Mode: TX B Mode 2412 MHz

Vertical

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	2384.9500	48.45	7.55	56.00	74.00	-18.00	Peak	
2	2384.9500	42.42	7.55	49.97	54.00	-4.03	AVG	
3	2390.0000	47.05	7.56	54.61	74.00	-19.39	Peak	
4	2390.0000	36.71	7.56	44.27	54.00	-9.73	AVG	
5 *	2411.2000	102.96	7.64	110.60	54.00	56.60	AVG	No Limit
6	2411.8500	107.09	7.64	114.73	74.00	40.73	Peak	No Limit

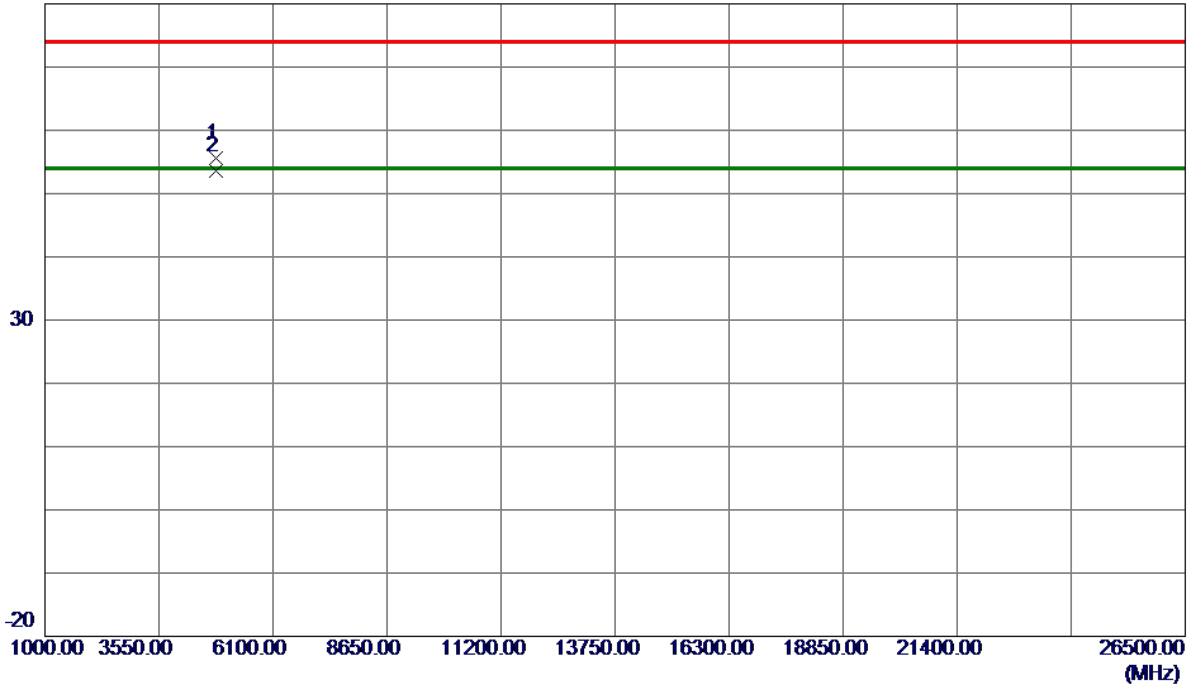
REMARKS:

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

Test Mode:	TX B Mode 2412 MHz
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Vertical

80 dBuV/m



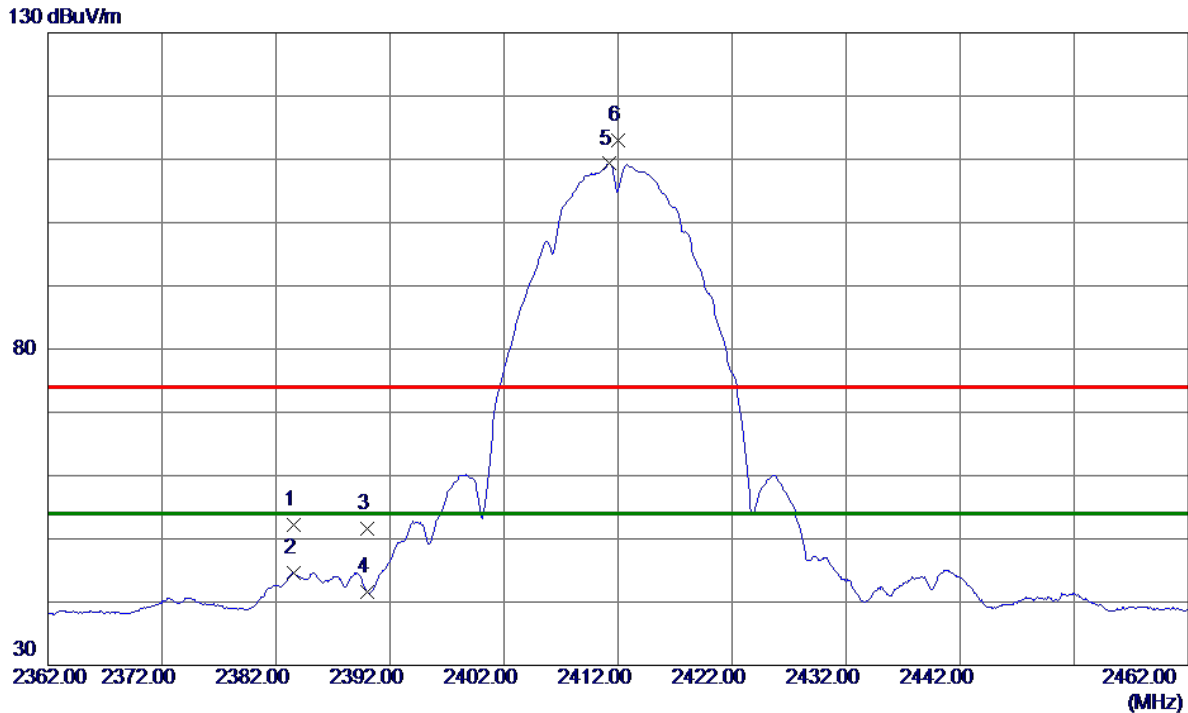
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.8350	51.05	4.55	55.60	74.00	-18.40	Peak	
2 *	4823.9700	49.05	4.55	53.60	54.00	-0.40	AVG	

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	2383.6000	44.58	7.54	52.12	74.00	-21.88	Peak	
2	2383.6000	37.09	7.54	44.63	54.00	-9.37	AVG	
3	2390.0000	44.09	7.56	51.65	74.00	-22.35	Peak	
4	2390.0000	34.09	7.56	41.65	54.00	-12.35	AVG	
5 *	2411.2500	101.66	7.64	109.30	54.00	55.30	AVG	No Limit
6	2412.0000	105.44	7.64	113.08	74.00	39.08	Peak	No Limit

REMARKS:

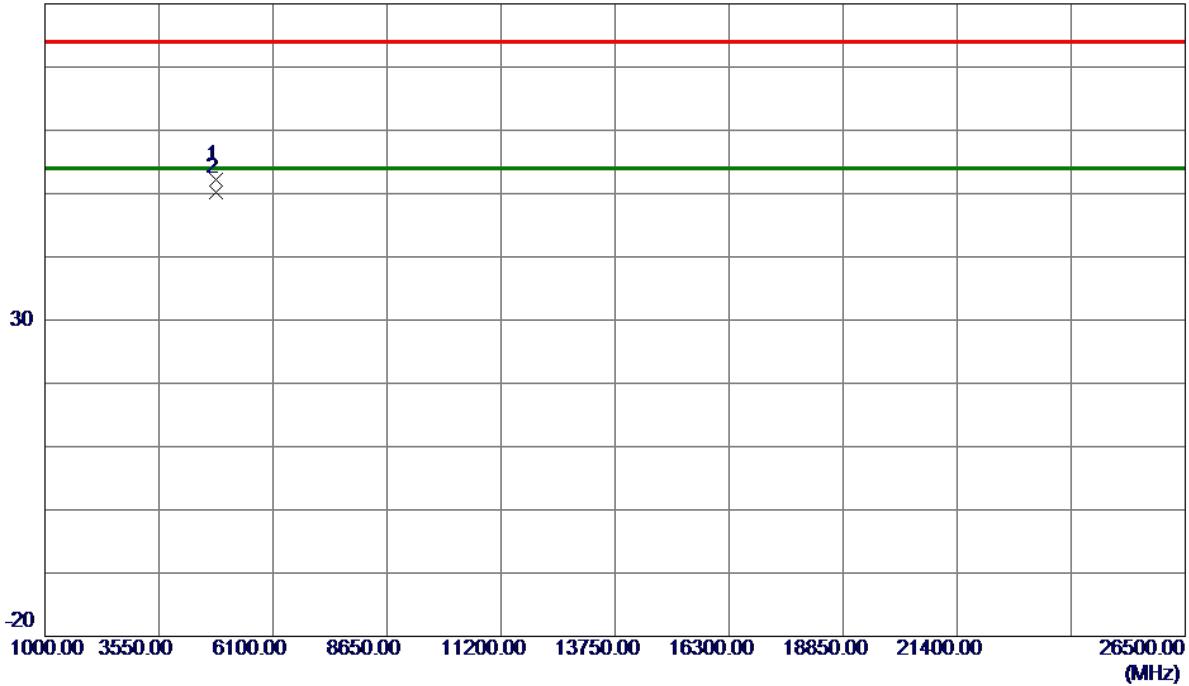
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode:	TX B Mode 2412 MHz
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Horizontal

80 dBuV/m



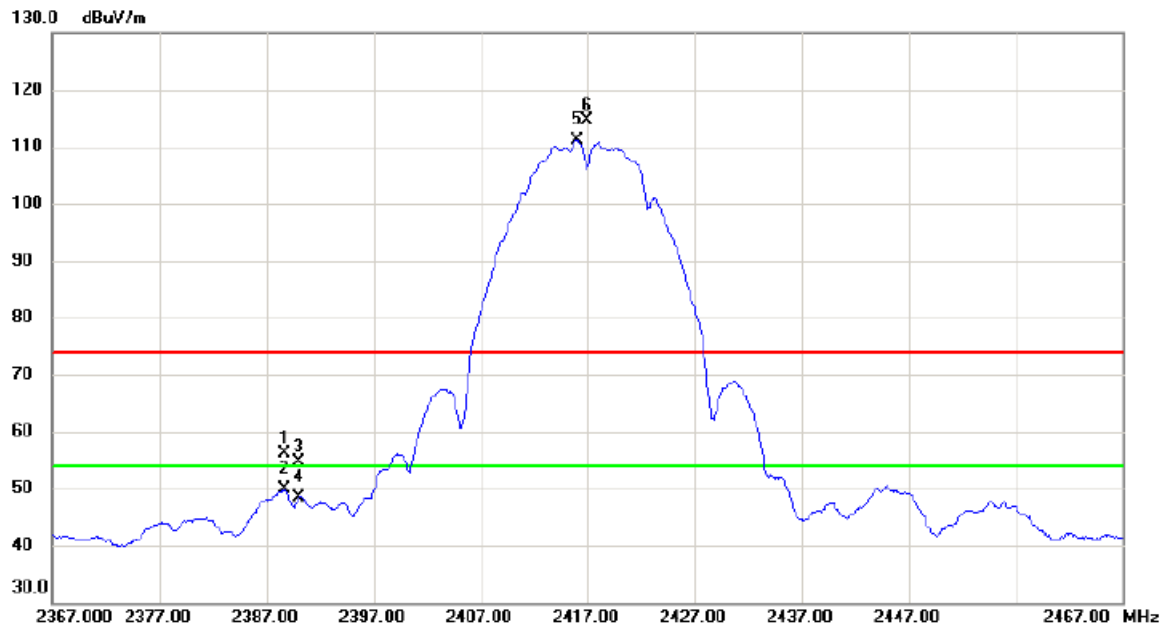
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.8550	47.62	4.55	52.17	74.00	-21.83	Peak	
2 *	4823.9550	45.56	4.55	50.11	54.00	-3.89	AVG	

REMARKS:

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

Test Mode: TX B Mode 2417 MHz

Vertical



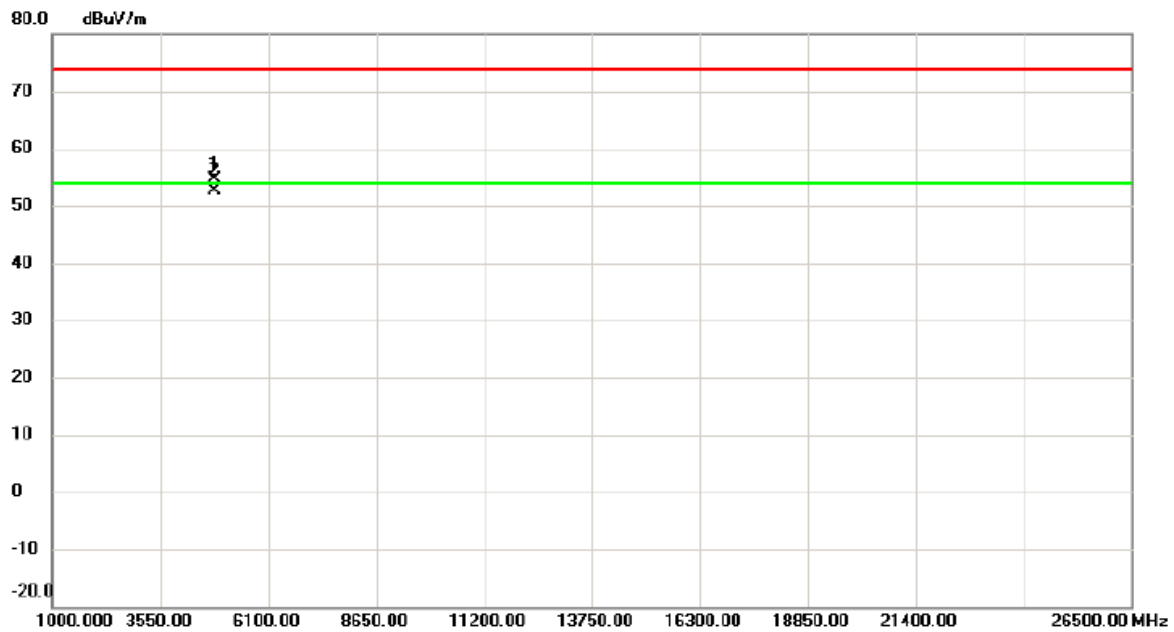
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2388.650	48.65	7.57	56.22	74.00	-17.78	peak	
2		2388.650	42.23	7.57	49.80	54.00	-4.20	AVG	
3		2390.000	46.99	7.57	54.56	74.00	-19.44	peak	
4		2390.000	40.76	7.57	48.33	54.00	-5.67	AVG	
5	*	2416.000	103.53	7.66	111.19	54.00	57.19	AVG	No Limit
6	X	2416.950	107.07	7.66	114.73	74.00	40.73	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
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Vertical



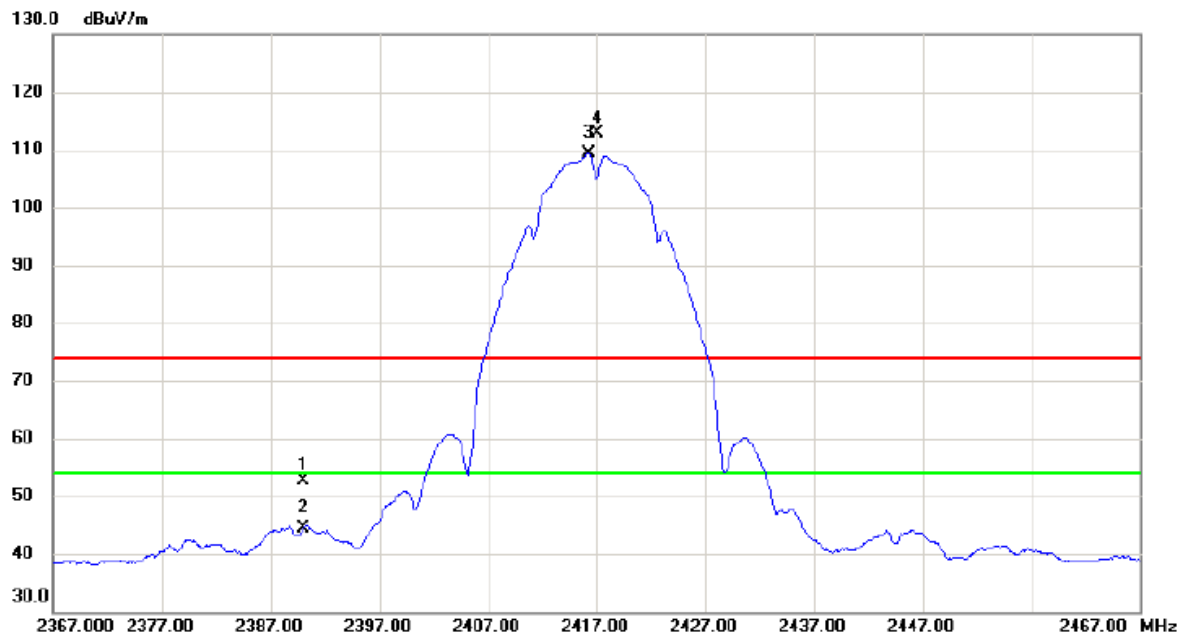
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4833.830	50.17	4.58	54.75	74.00	-19.25	peak	
2	*	4833.985	48.05	4.58	52.63	54.00	-1.37	AVG	

REMARKS:

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

Test Mode: TX B Mode 2417 MHz

Horizontal



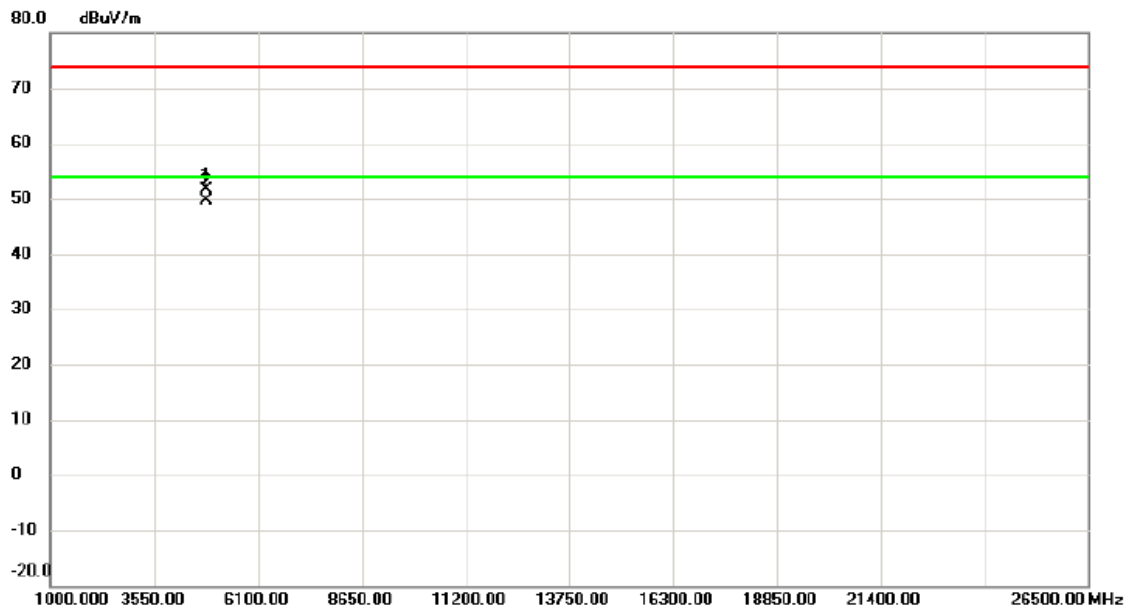
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	44.95	7.57	52.52	74.00	-21.48	peak	
2		2390.000	36.86	7.57	44.43	54.00	-9.57	AVG	
3	*	2416.250	101.67	7.66	109.33	54.00	55.33	AVG	No Limit
4	X	2417.000	105.18	7.66	112.84	74.00	38.84	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
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Horizontal



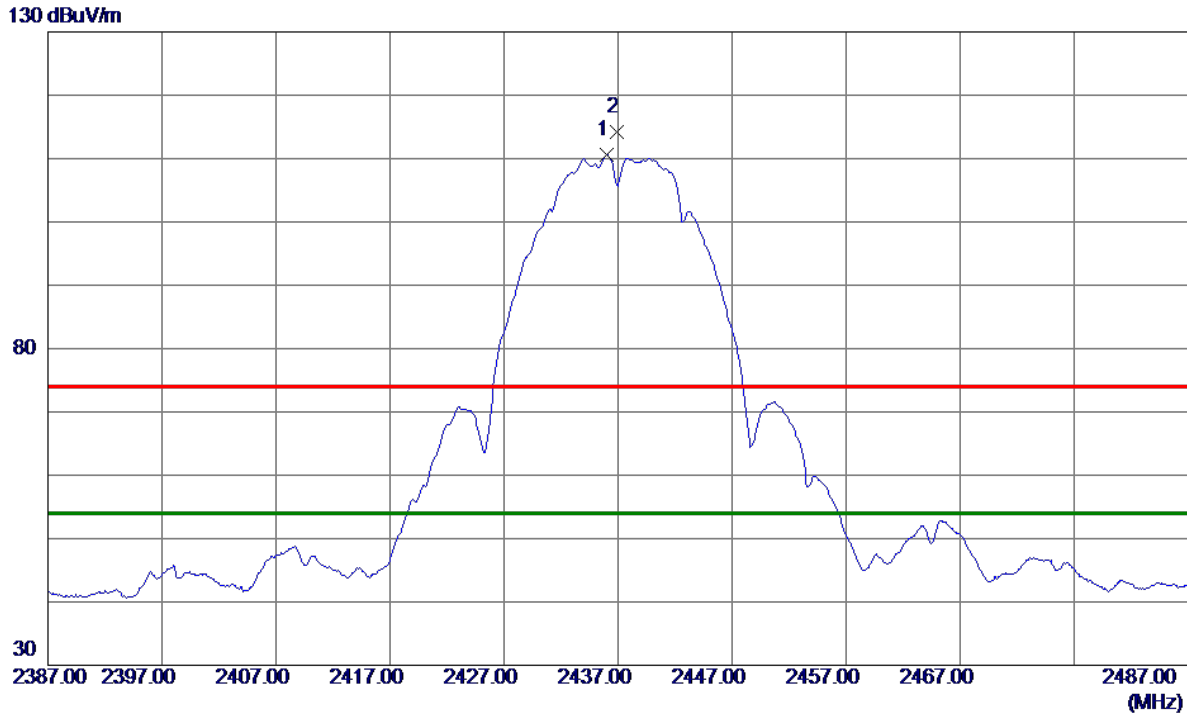
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4833.830	47.17	4.58	51.75	74.00	-22.25	peak	
2	*	4833.985	45.05	4.58	49.63	54.00	-4.37	AVG	

REMARKS:

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

Test Mode: TX B Mode 2437 MHz

Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2435.9500	102.83	7.72	110.55	54.00	56.55	AVG	No Limit
2	2436.8500	106.43	7.72	114.15	74.00	40.15	Peak	No Limit

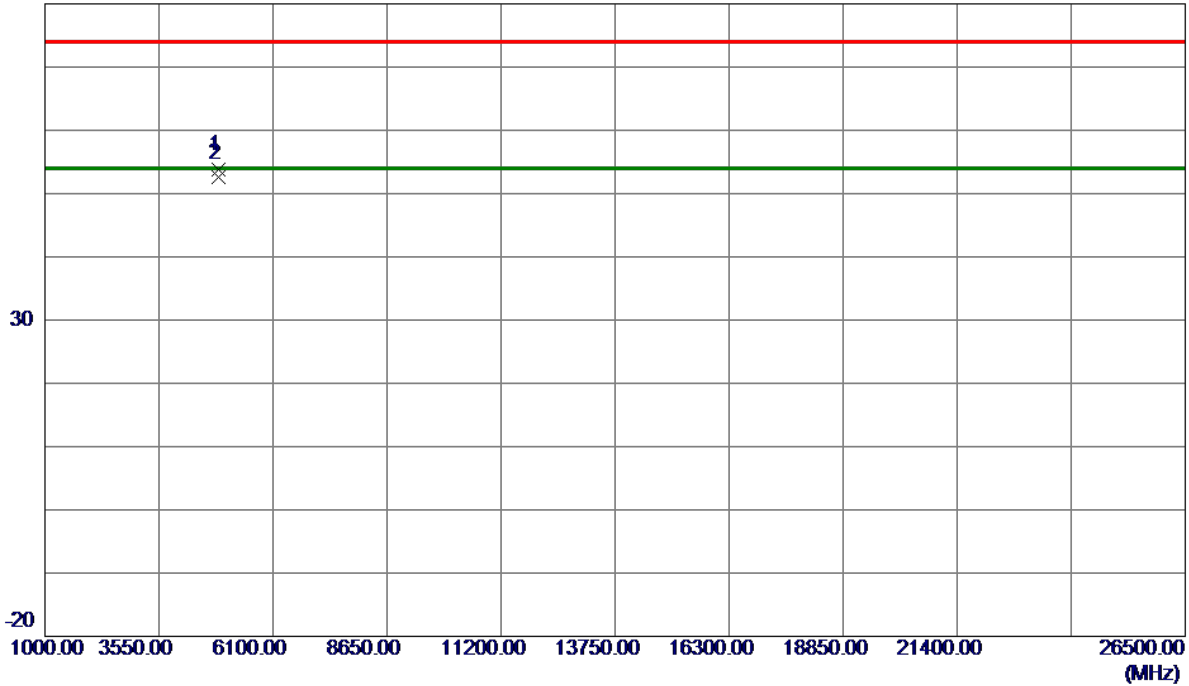
REMARKS:

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

Test Mode:	TX B Mode 2437 MHz
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Vertical

80 dBuV/m



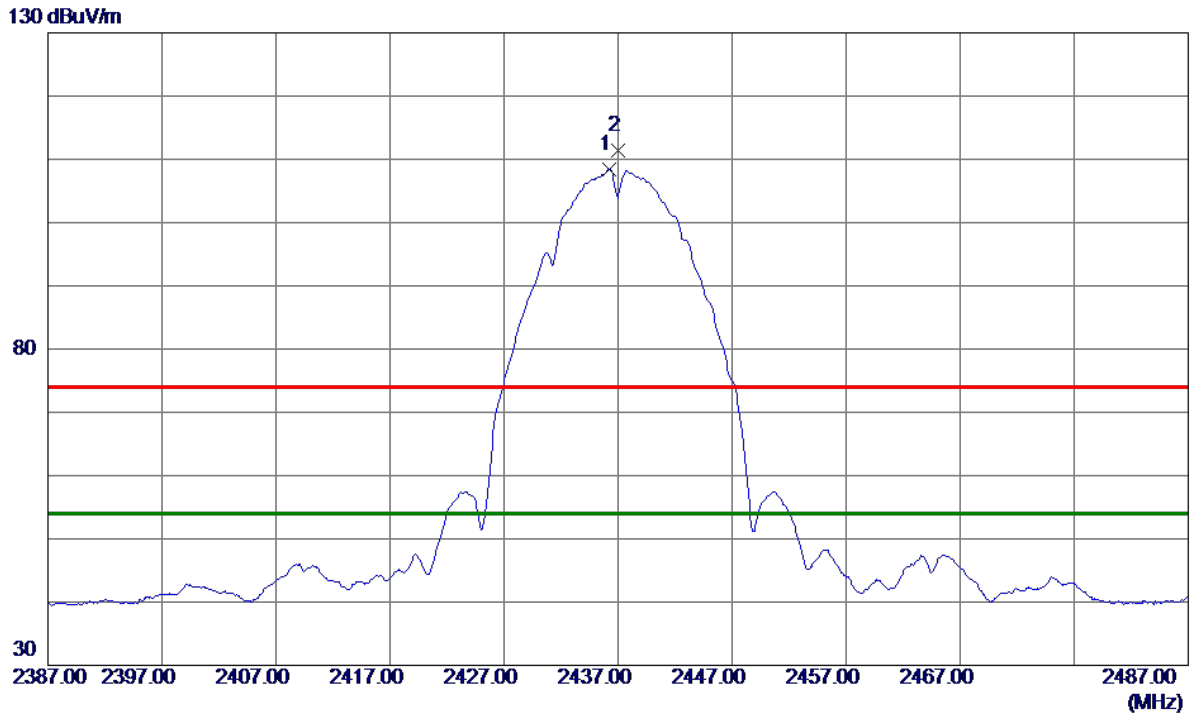
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.9400	49.03	4.74	53.77	74.00	-20.23	Peak	
2 *	4873.9850	47.76	4.74	52.50	54.00	-1.50	AVG	

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 *	2436.2000	100.66	7.72	108.38	54.00	54.38	AVG	No Limit
2	2437.0000	103.75	7.72	111.47	74.00	37.47	Peak	No Limit

REMARKS:

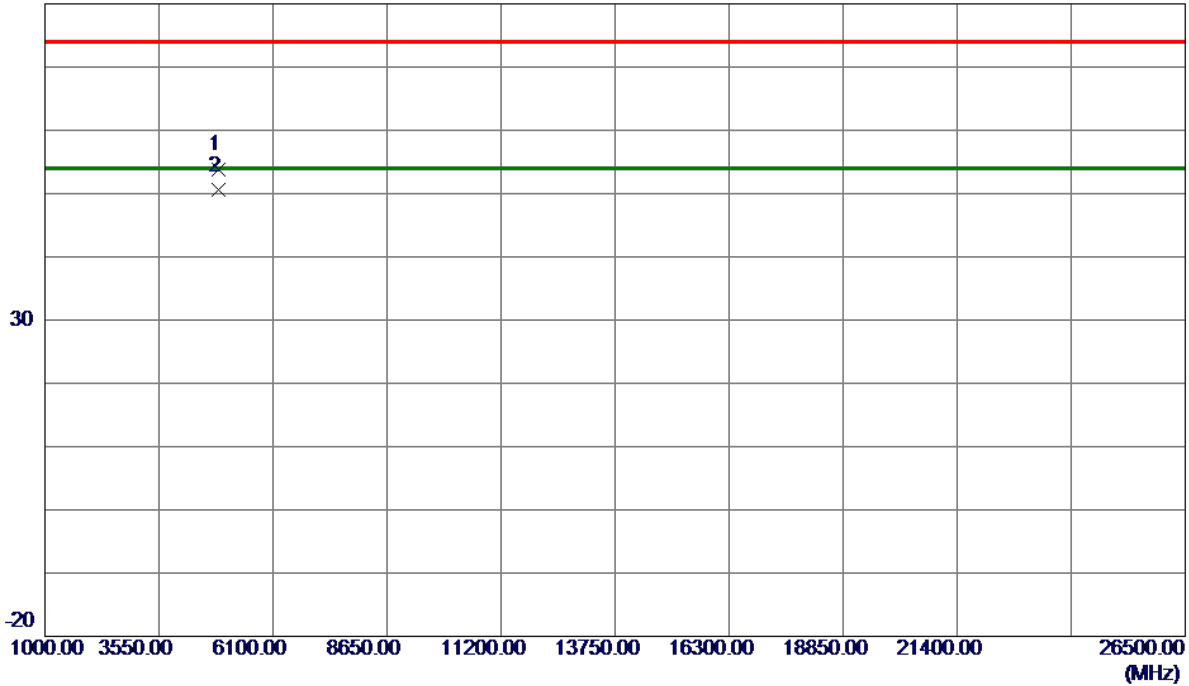
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode:	TX B Mode 2437 MHz
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Horizontal

80 dBuV/m



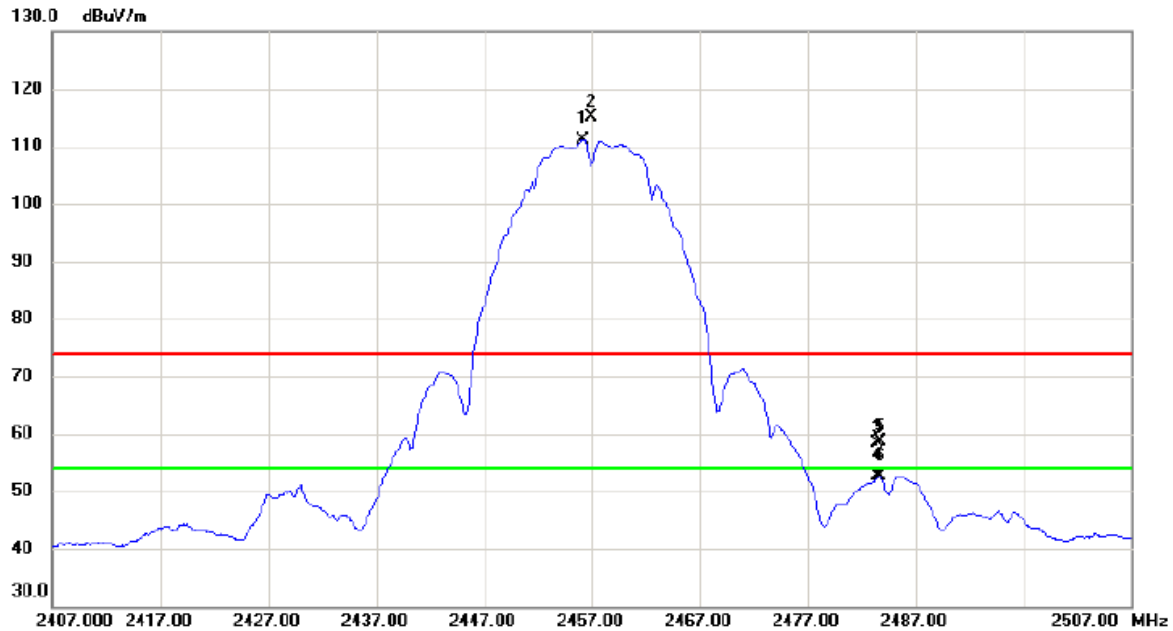
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.9400	49.03	4.74	53.77	74.00	-20.23	Peak	
2 *	4873.9850	45.76	4.74	50.50	54.00	-3.50	AVG	

REMARKS:

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

Test Mode: TX B Mode 2457 MHz

Vertical



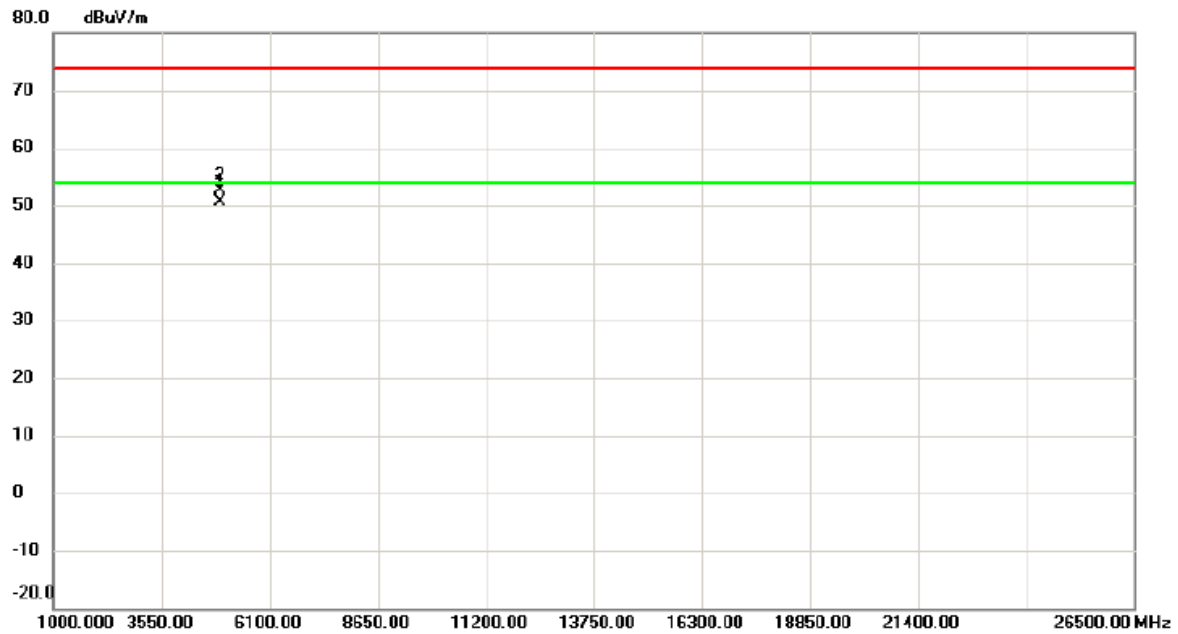
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2456.200	103.41	7.78	111.19	54.00	57.19	AVG	No Limit
2	X	2456.900	107.41	7.79	115.20	74.00	41.20	peak	No Limit
3		2483.500	50.50	7.87	58.37	74.00	-15.63	peak	
4		2483.500	44.72	7.87	52.59	54.00	-1.41	AVG	
5		2483.700	50.66	7.87	58.53	74.00	-15.47	peak	
6		2483.700	44.86	7.87	52.73	54.00	-1.27	AVG	

REMARKS:

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

Test Mode: TX B Mode 2457 MHz

Vertical



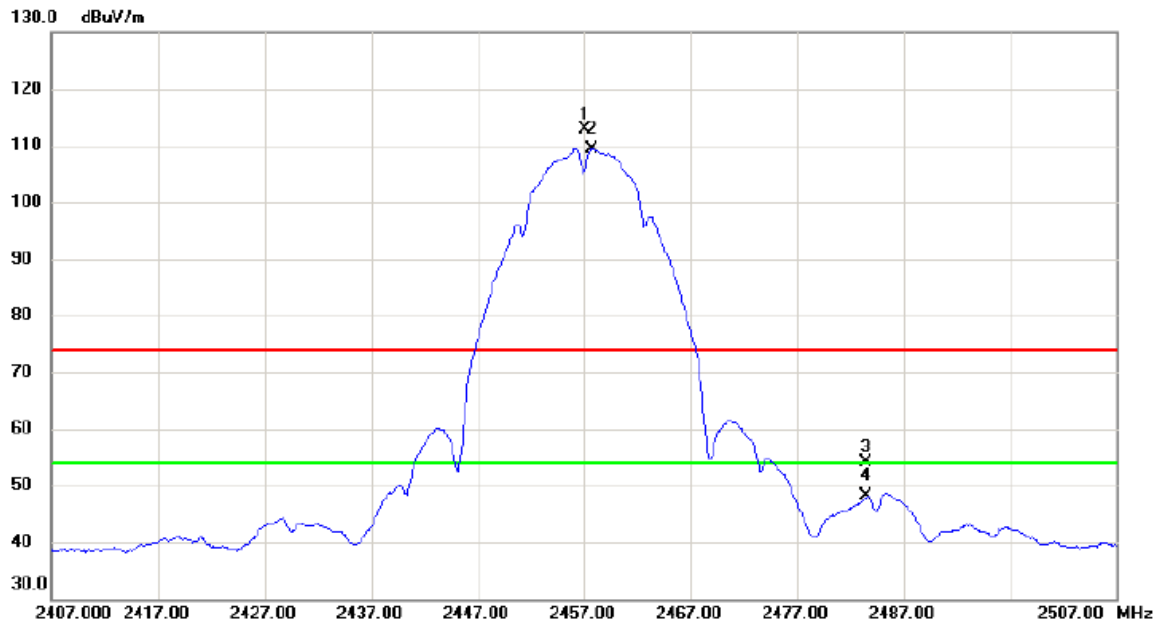
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4914.005	45.69	4.88	50.57	54.00	-3.43	AVG	
2		4914.030	47.79	4.88	52.67	74.00	-21.33	peak	

REMARKS:

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

Test Mode: TX B Mode 2457 MHz

Horizontal



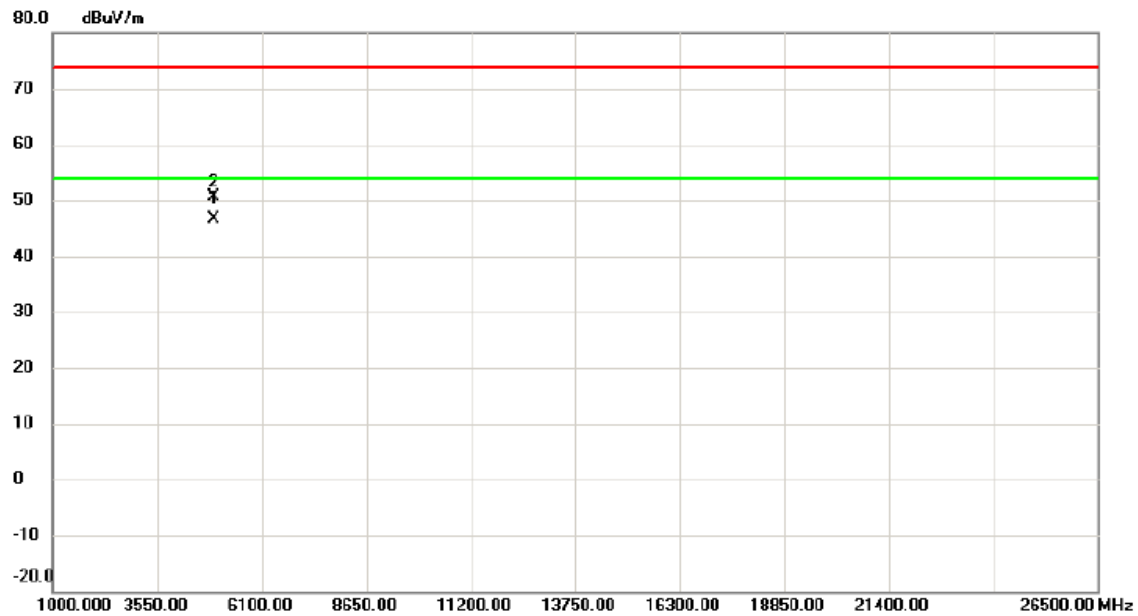
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1	X	2457.000	105.04	7.79	112.83	74.00	38.83	peak	No Limit
2	*	2457.750	101.70	7.79	109.49	54.00	55.49	AVG	No Limit
3		2483.500	46.34	7.87	54.21	74.00	-19.79	peak	
4		2483.500	40.14	7.87	48.01	54.00	-5.99	AVG	

REMARKS:

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

Test Mode:	TX B Mode 2457 MHz
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Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4914.005	41.69	4.88	46.57	54.00	-7.43	AVG	
2		4914.030	45.79	4.88	50.67	74.00	-23.33	peak	

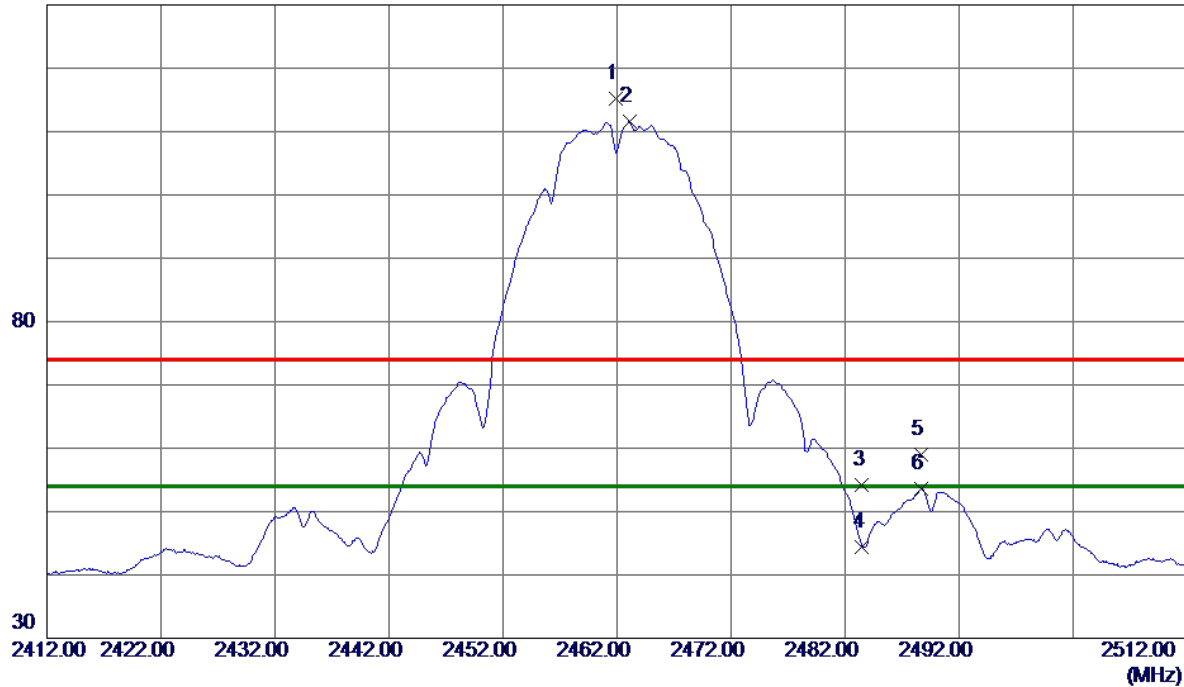
REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.9000	107.38	7.80	115.18	74.00	41.18	Peak	No Limit
2 *	2463.1000	103.71	7.81	111.52	54.00	57.52	AVG	No Limit
3	2483.5000	46.23	7.88	54.11	74.00	-19.89	Peak	
4	2483.5000	36.55	7.88	44.43	54.00	-9.57	AVG	
5	2488.7000	51.19	7.89	59.08	74.00	-14.92	Peak	
6	2488.7000	45.76	7.89	53.65	54.00	-0.35	AVG	

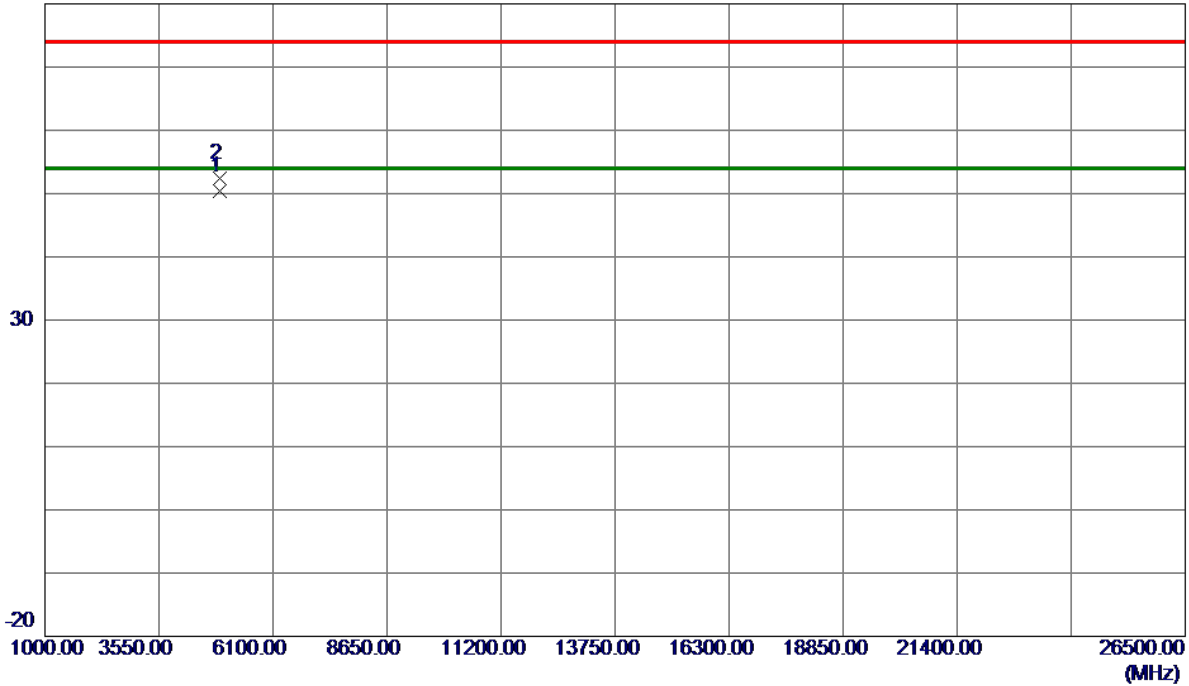
REMARKS:

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

Test Mode:	TX B Mode 2462 MHz
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Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4923.9850	45.47	4.92	50.39	54.00	-3.61	AVG	
2	4924.1100	47.45	4.92	52.37	74.00	-21.63	Peak	

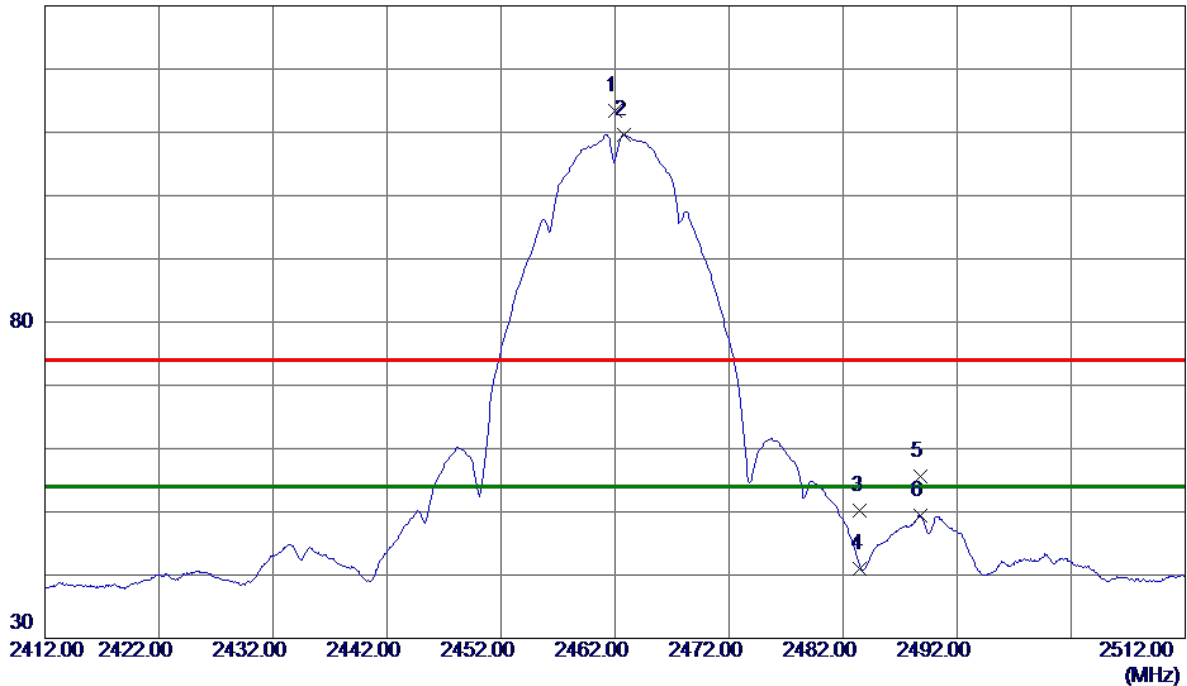
REMARKS:

- (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	2462.0000	105.63	7.80	113.43	74.00	39.43	Peak	No Limit
2 *	2462.7500	101.86	7.81	109.67	54.00	55.67	AVG	No Limit
3	2483.5000	42.26	7.88	50.14	74.00	-23.86	Peak	
4	2483.5000	33.16	7.88	41.04	54.00	-12.96	AVG	
5	2488.7500	47.64	7.89	55.53	74.00	-18.47	Peak	
6	2488.7500	41.54	7.89	49.43	54.00	-4.57	AVG	

REMARKS:

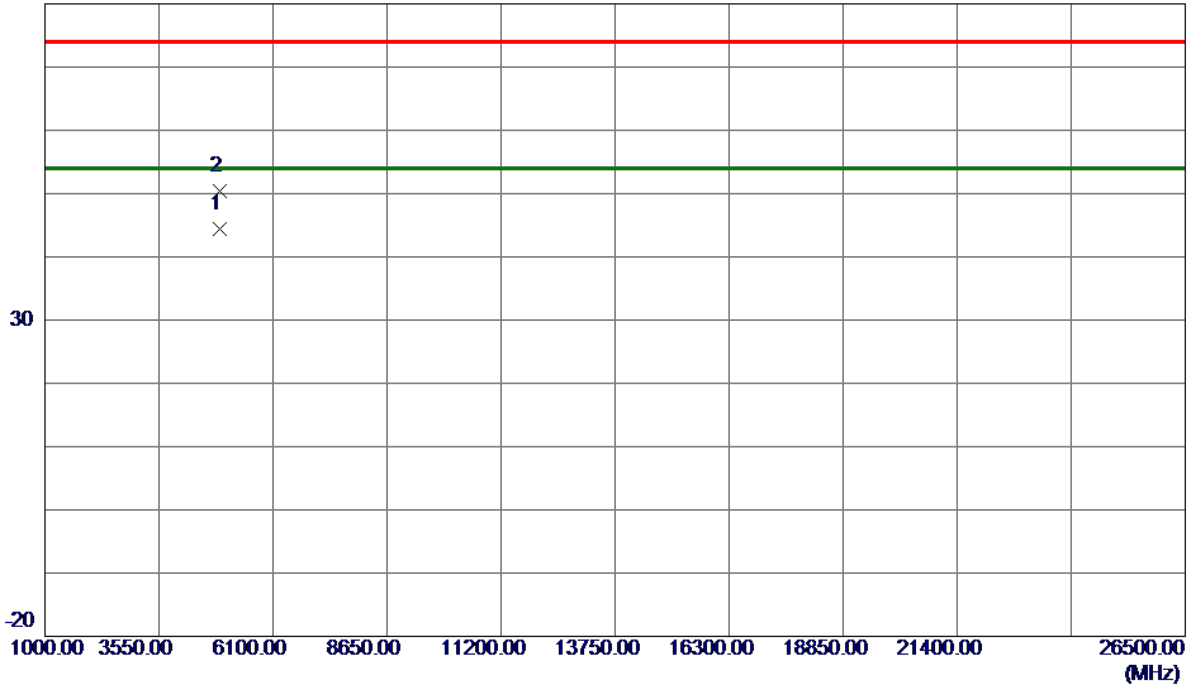
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode:	TX B Mode 2462 MHz
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Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4923.9850	39.47	4.92	44.39	54.00	-9.61	AVG	
2	4924.1100	45.45	4.92	50.37	74.00	-23.63	Peak	

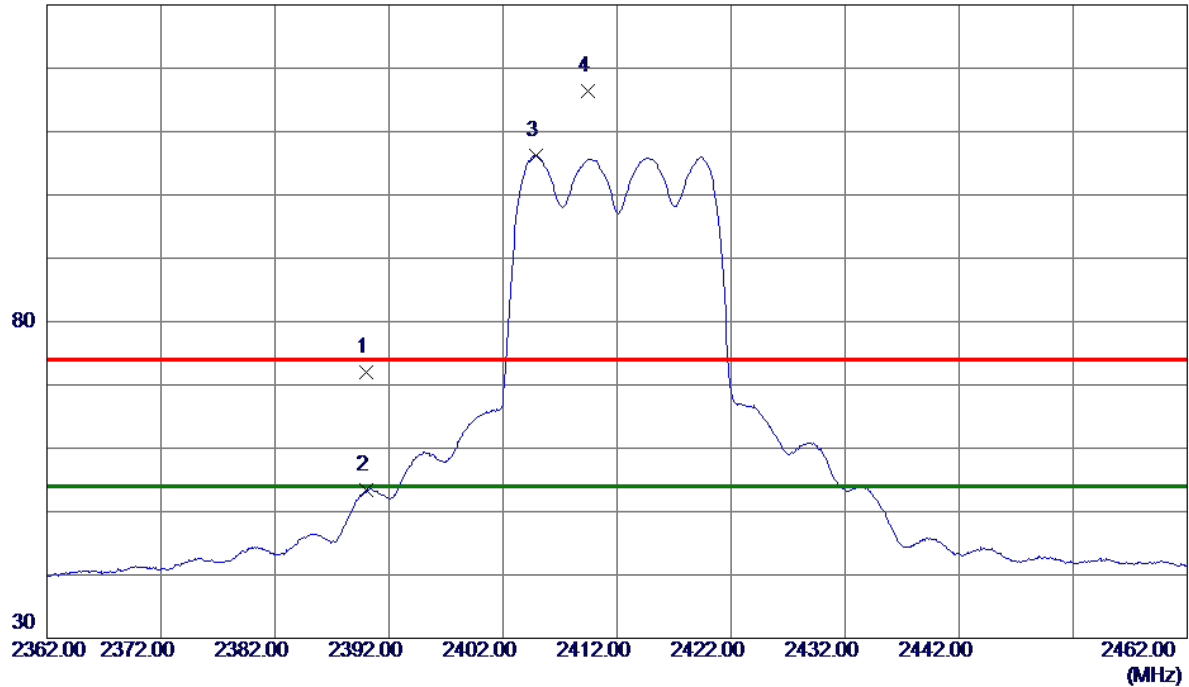
REMARKS:

- (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	64.53	7.56	72.09	74.00	-1.91	Peak	
2	2390.0000	45.92	7.56	53.48	54.00	-0.52	AVG	
3 *	2404.9000	98.67	7.61	106.28	54.00	52.28	AVG	No Limit
4	2409.4500	108.73	7.63	116.36	74.00	42.36	Peak	No Limit

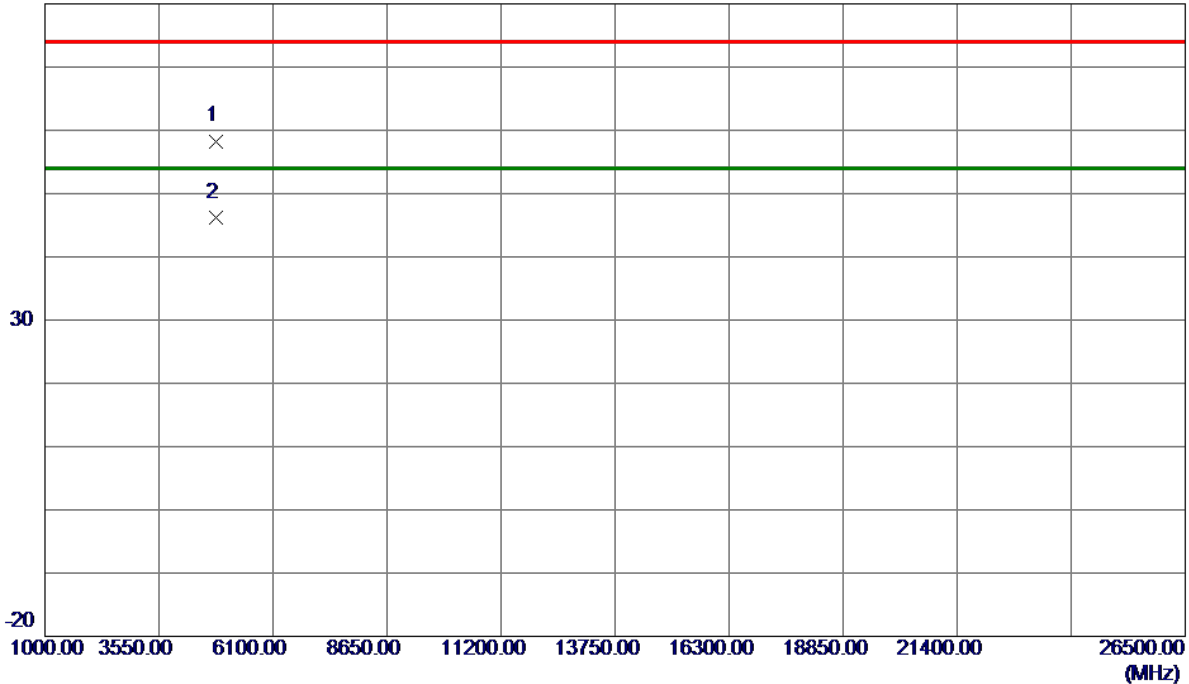
REMARKS:

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

Test Mode:	TX G Mode 2412 MHz
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Vertical

80 dBuV/m



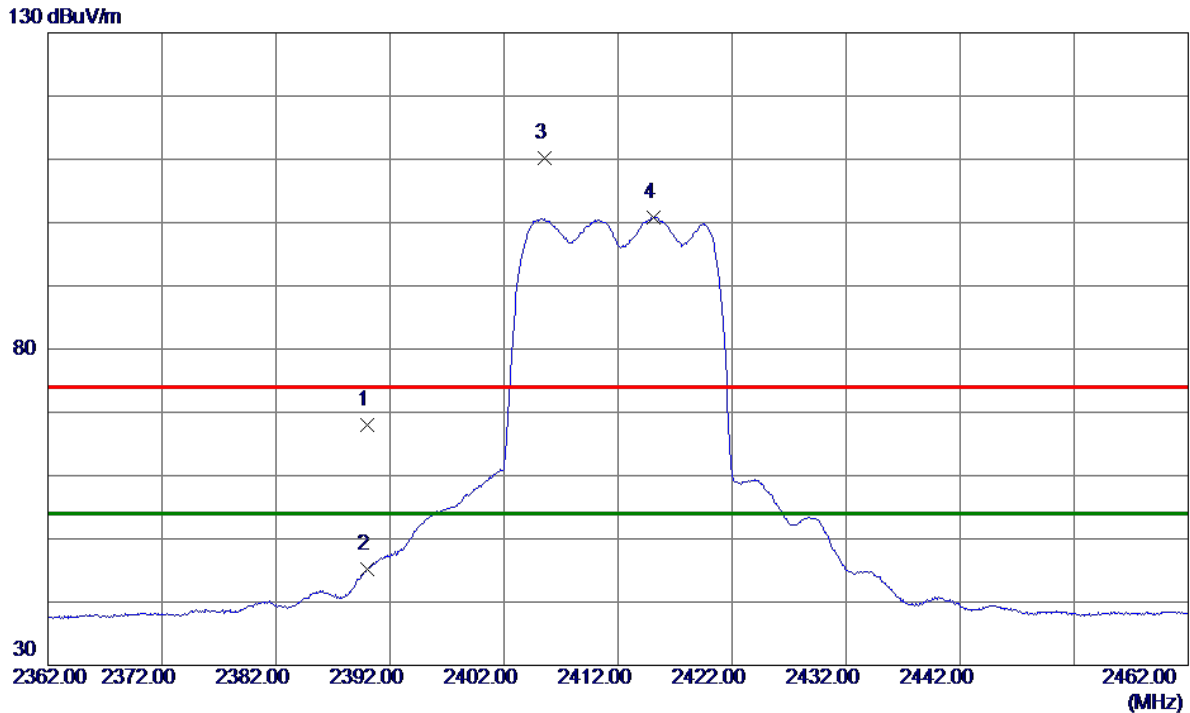
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.6900	53.75	4.55	58.30	74.00	-15.70	Peak	
2 *	4825.6300	41.56	4.55	46.11	54.00	-7.89	AVG	

REMARKS:

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

Test Mode:	TX G Mode 2412 MHz
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Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	60.40	7.56	67.96	74.00	-6.04	Peak	
2	2390.0000	37.66	7.56	45.22	54.00	-8.78	AVG	
3	2405.5500	102.62	7.62	110.24	74.00	36.24	Peak	No Limit
4 *	2415.1500	93.22	7.65	100.87	54.00	46.87	AVG	No Limit

REMARKS:

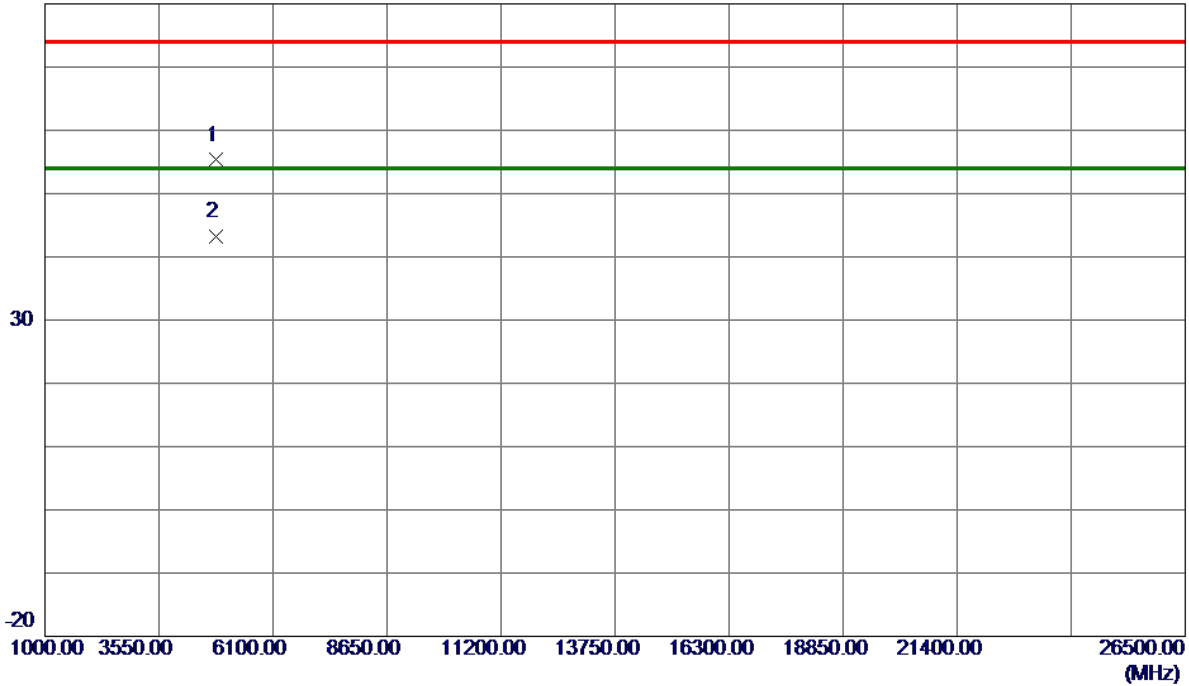
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode:	TX G Mode 2412 MHz
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Horizontal

80 dBuV/m



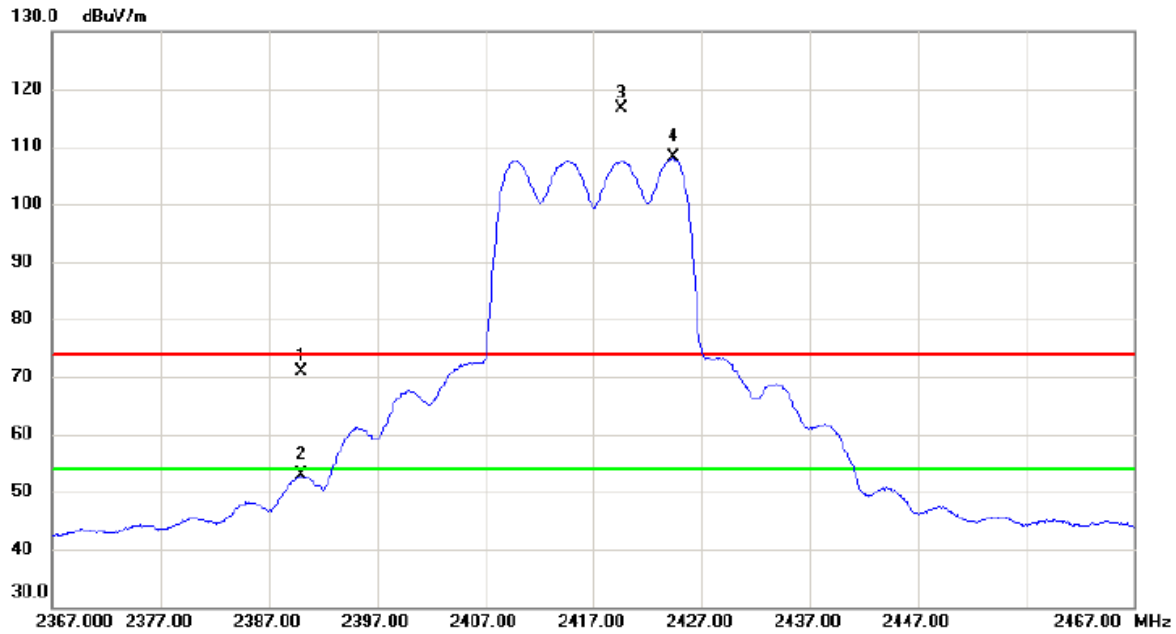
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.6900	50.75	4.55	55.30	74.00	-18.70	Peak	
2 *	4825.6300	38.56	4.55	43.11	54.00	-10.89	AVG	

REMARKS:

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

Test Mode: TX G Mode 2417 MHz

Vertical



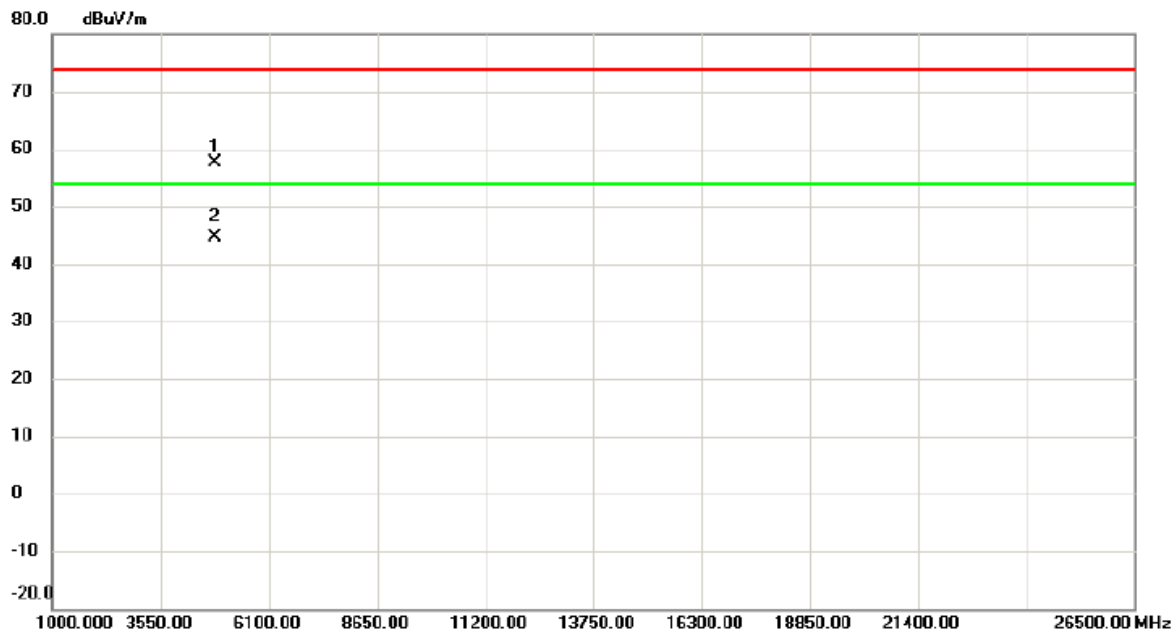
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	63.43	7.57	71.00	74.00	-3.00	peak	
2		2390.000	45.19	7.57	52.76	54.00	-1.24	AVG	
3	X	2419.600	109.00	7.66	116.66	74.00	42.66	peak	No Limit
4	*	2424.450	100.38	7.68	108.06	54.00	54.06	AVG	No Limit

REMARKS:

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

Test Mode:	TX G Mode 2417 MHz
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Vertical



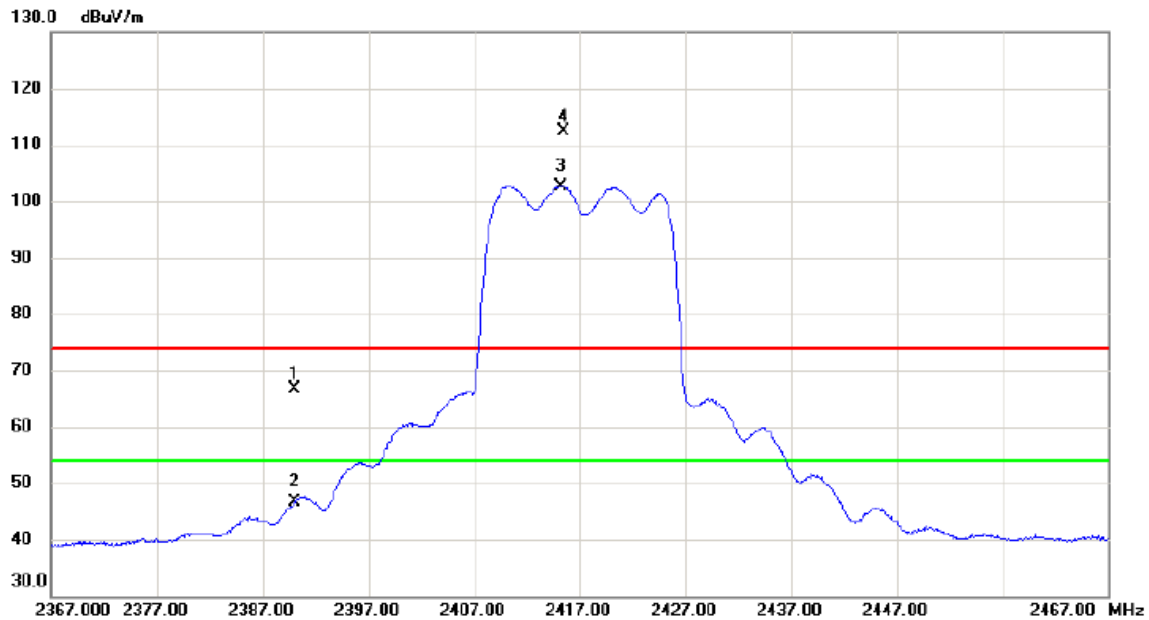
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4835.530	52.97	4.59	57.56	74.00	-16.44	peak	
2	*	4835.930	40.13	4.59	44.72	54.00	-9.28	AVG	

REMARKS:

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

Test Mode: TX G Mode 2417 MHz

Horizontal



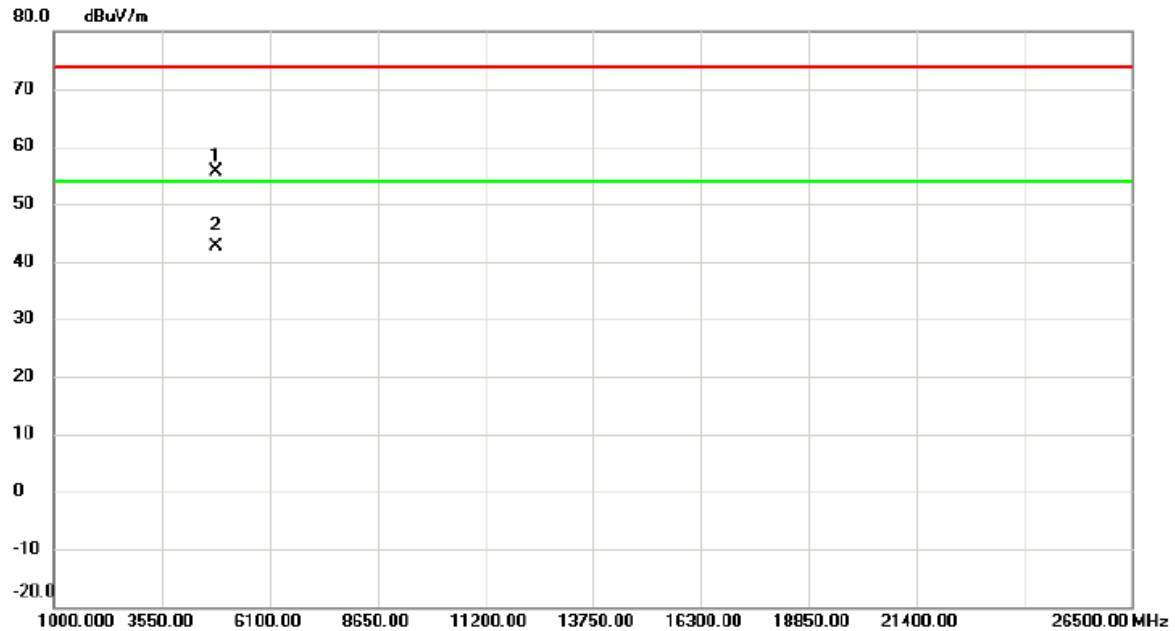
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	59.16	7.57	66.73	74.00	-7.27	peak	
2		2390.000	38.98	7.57	46.55	54.00	-7.45	AVG	
3	*	2415.150	95.08	7.65	102.73	54.00	48.73	AVG	No Limit
4	X	2415.450	104.77	7.65	112.42	74.00	38.42	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
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Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4835.530	50.97	4.59	55.56	74.00	-18.44	peak	
2	*	4835.930	38.13	4.59	42.72	54.00	-11.28	AVG	

REMARKS:

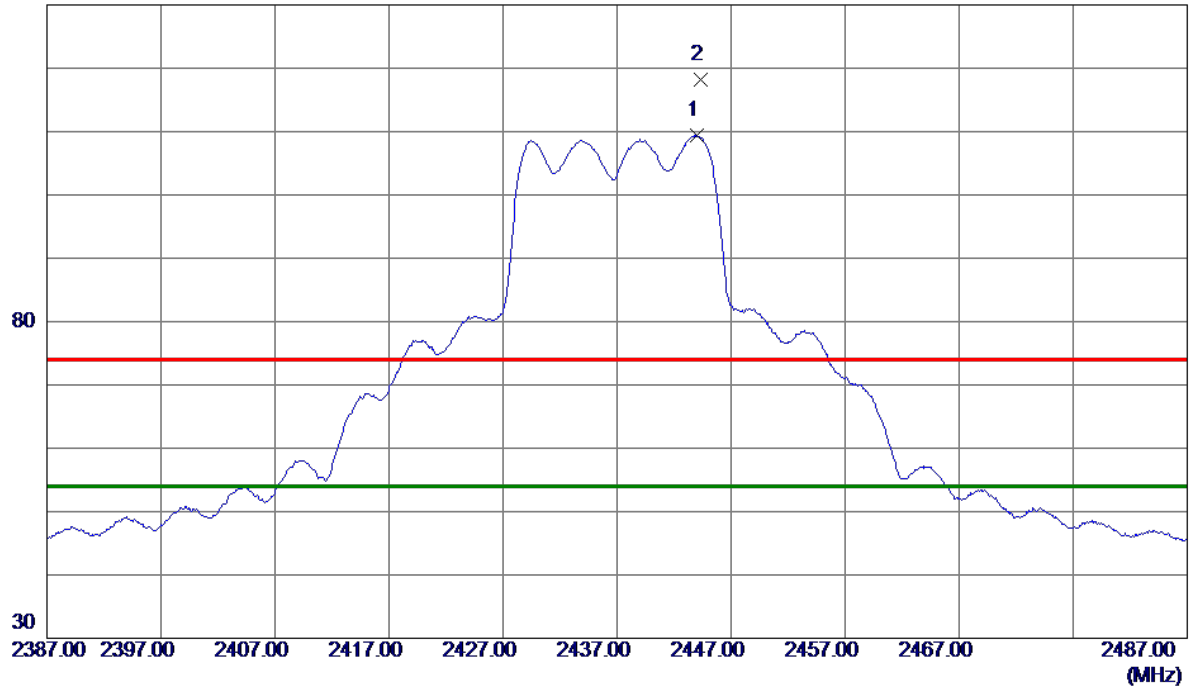
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode: TX G Mode 2437 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2444.0500	101.67	7.74	109.41	54.00	55.41	AVG	No Limit
2	2444.3500	110.46	7.75	118.21	74.00	44.21	Peak	No Limit

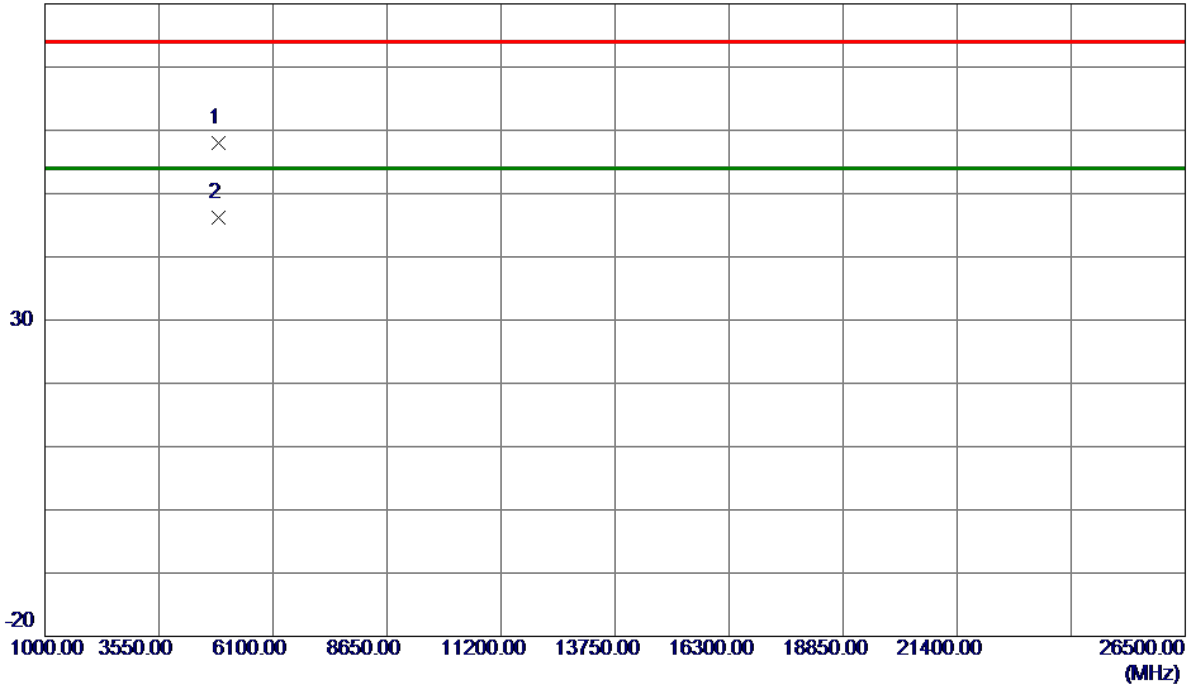
REMARKS:

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

Test Mode:	TX G Mode 2437 MHz
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Vertical

80 dBuV/m



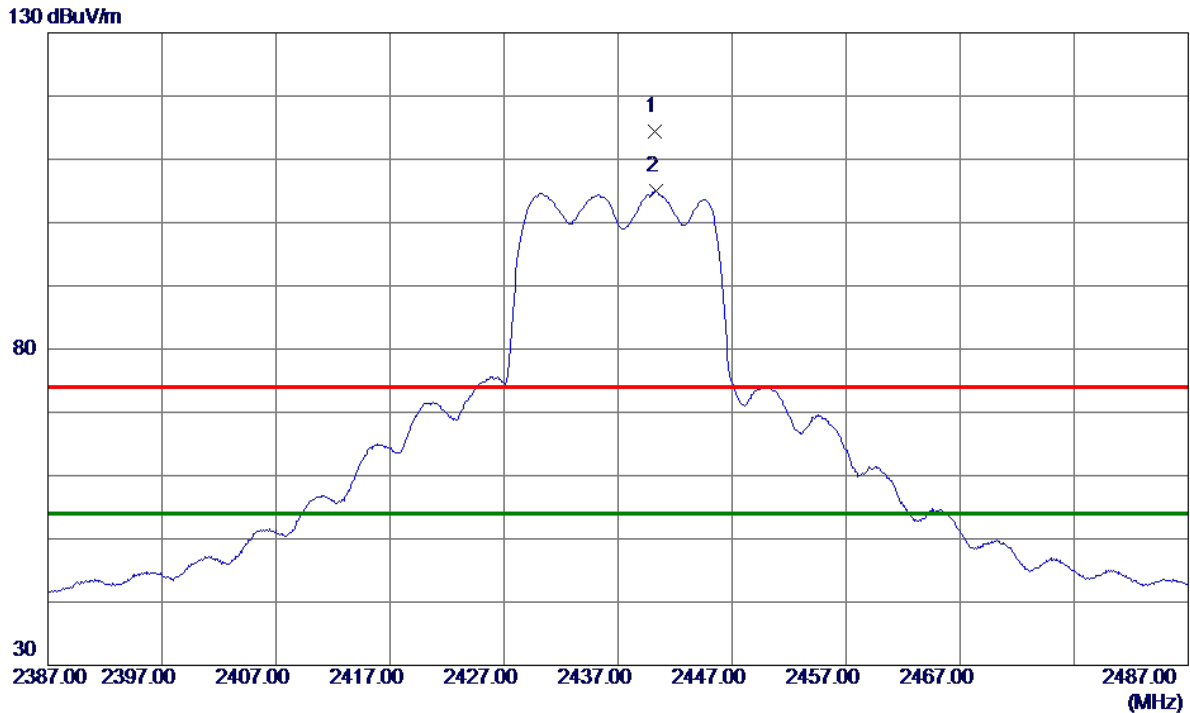
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4875.7599	53.21	4.74	57.95	74.00	-16.05	Peak	
2 *	4876.0299	41.52	4.74	46.26	54.00	-7.74	AVG	

REMARKS:

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

Test Mode:	TX G Mode 2437 MHz
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Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2440.2500	106.65	7.73	114.38	74.00	40.38	Peak	No Limit
2 *	2440.3000	97.25	7.73	104.98	54.00	50.98	AVG	No Limit

REMARKS:

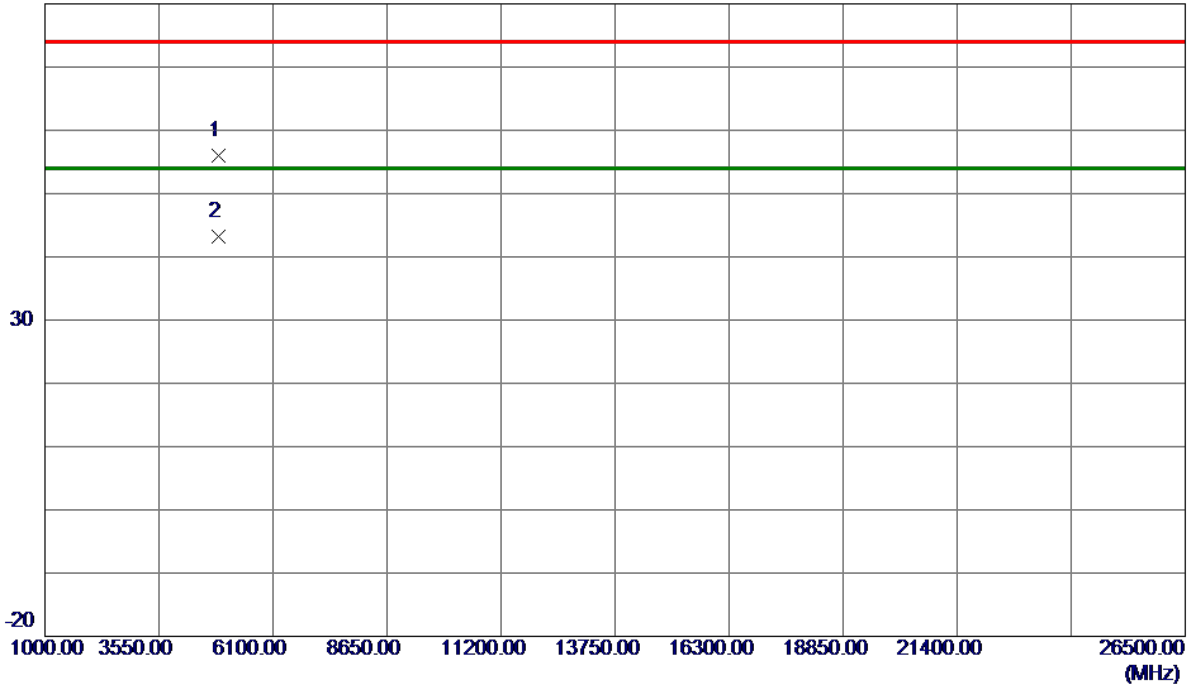
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode:	TX G Mode 2437 MHz
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Horizontal

80 dBuV/m



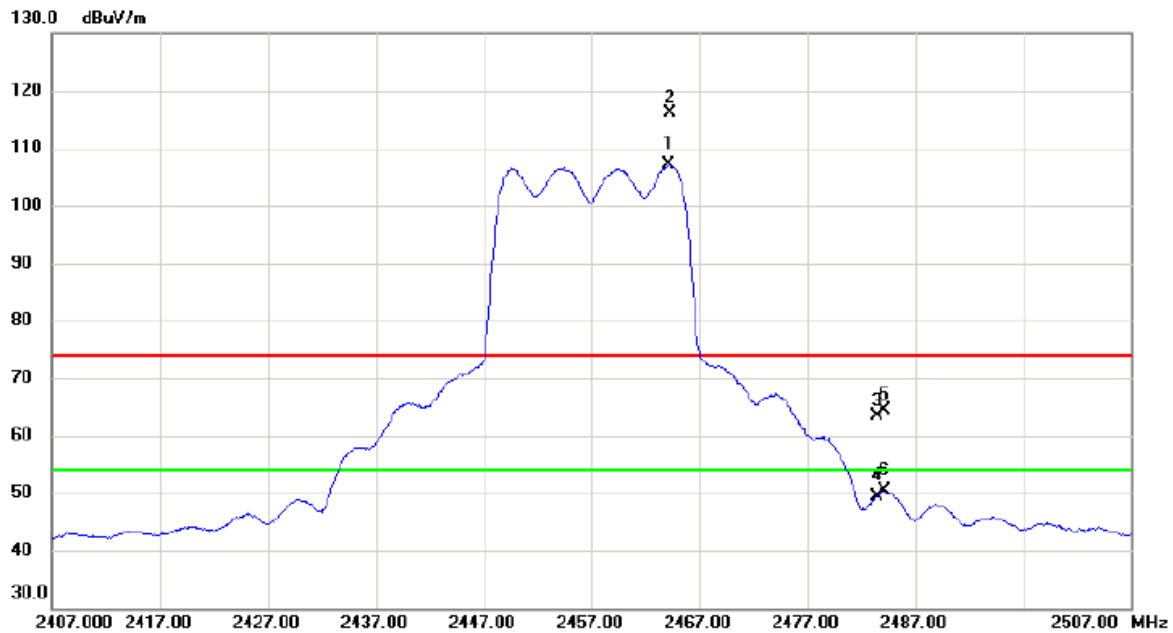
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4875.7599	51.21	4.74	55.95	74.00	-18.05	Peak	
2 *	4876.0299	38.52	4.74	43.26	54.00	-10.74	AVG	

REMARKS:

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

Test Mode: TX G Mode 2457 MHz

Vertical



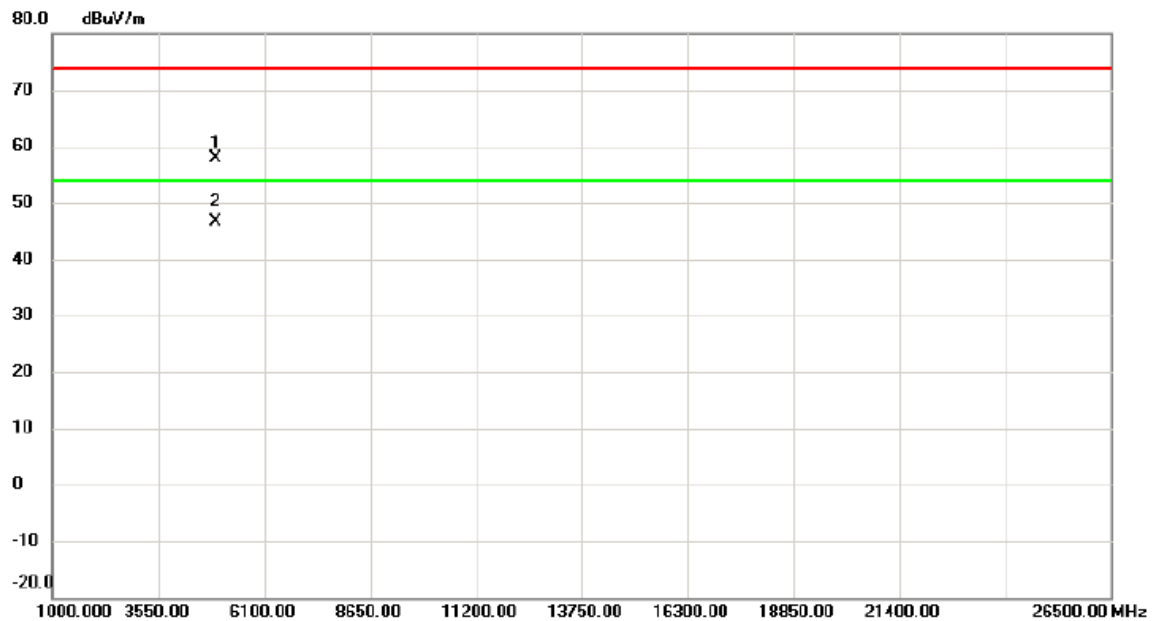
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2464.200	99.40	7.81	107.21	54.00	53.21	AVG	No Limit
2	X	2464.300	108.27	7.81	116.08	74.00	42.08	peak	No Limit
3		2483.500	55.41	7.87	63.28	74.00	-10.72	peak	
4		2483.500	41.52	7.87	49.39	54.00	-4.61	AVG	
5		2484.100	56.46	7.88	64.34	74.00	-9.66	peak	
6		2484.100	42.54	7.88	50.42	54.00	-3.58	AVG	

REMARKS:

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

Test Mode: TX G Mode 2457 MHz

Vertical



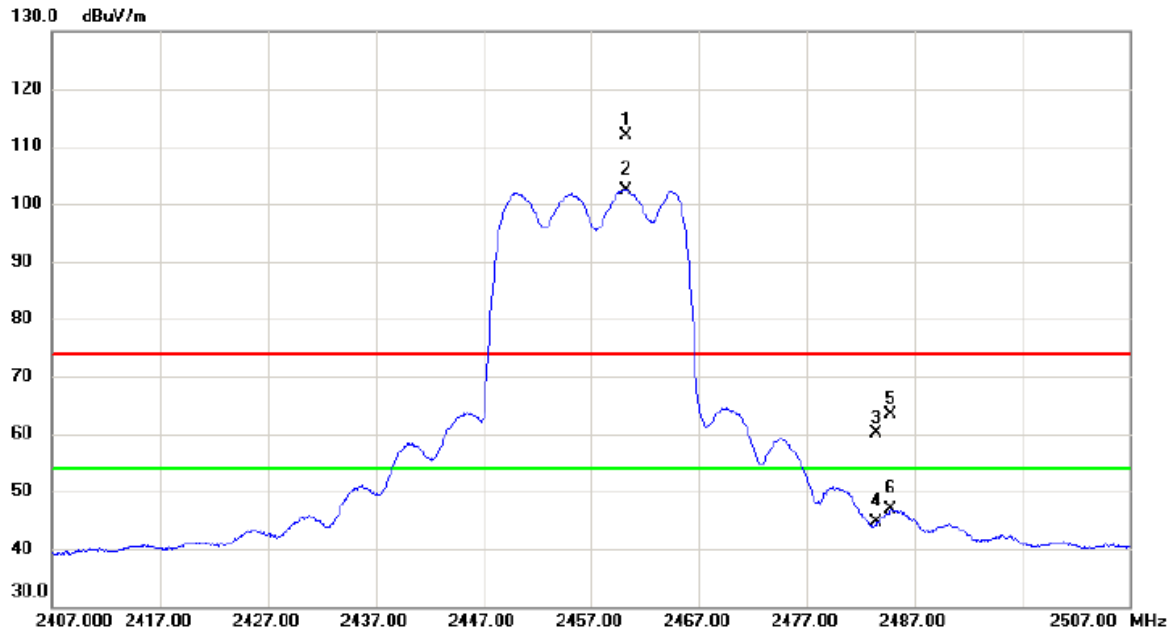
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4915.670	53.05	4.90	57.95	74.00	-16.05	peak	
2	*	4916.160	41.67	4.90	46.57	54.00	-7.43	AVG	

REMARKS:

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

Test Mode: TX G Mode 2457 MHz

Horizontal



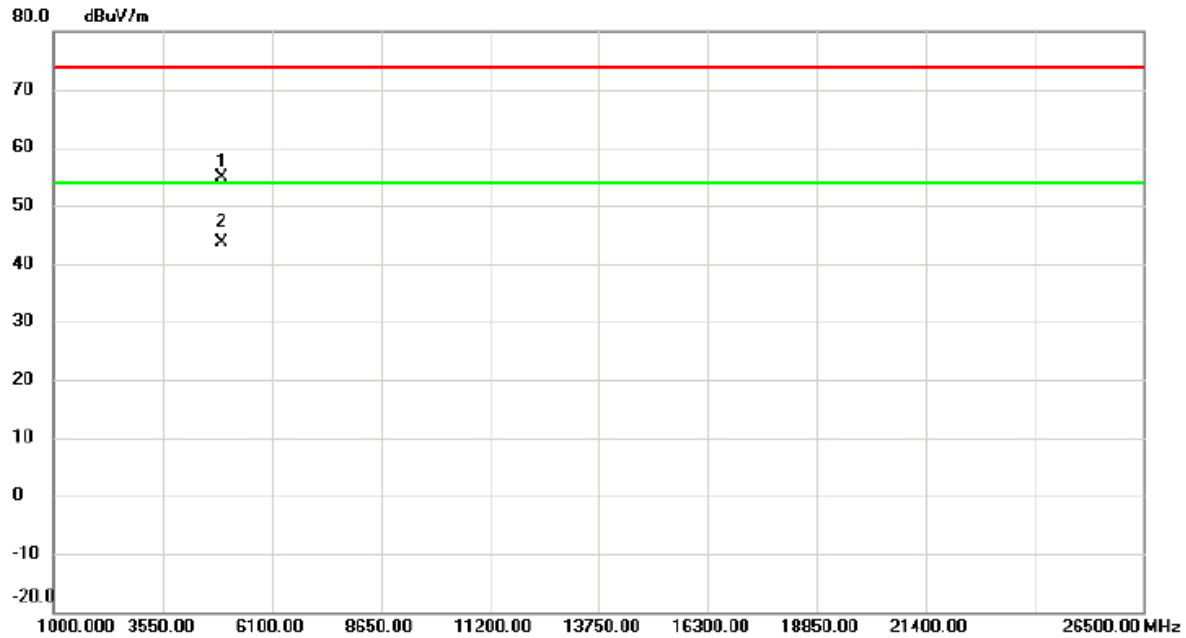
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2460.250	104.13	7.79	111.92	74.00	37.92	peak	No Limit
2	*	2460.300	94.67	7.79	102.46	54.00	48.46	AVG	No Limit
3		2483.500	52.19	7.87	60.06	74.00	-13.94	peak	
4		2483.500	36.65	7.87	44.52	54.00	-9.48	AVG	
5		2484.800	55.48	7.88	63.36	74.00	-10.64	peak	
6		2484.800	38.94	7.88	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 G Mode 2457 MHz
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Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4915.670	50.05	4.90	54.95	74.00	-19.05	peak	
2	*	4916.160	38.67	4.90	43.57	54.00	-10.43	AVG	

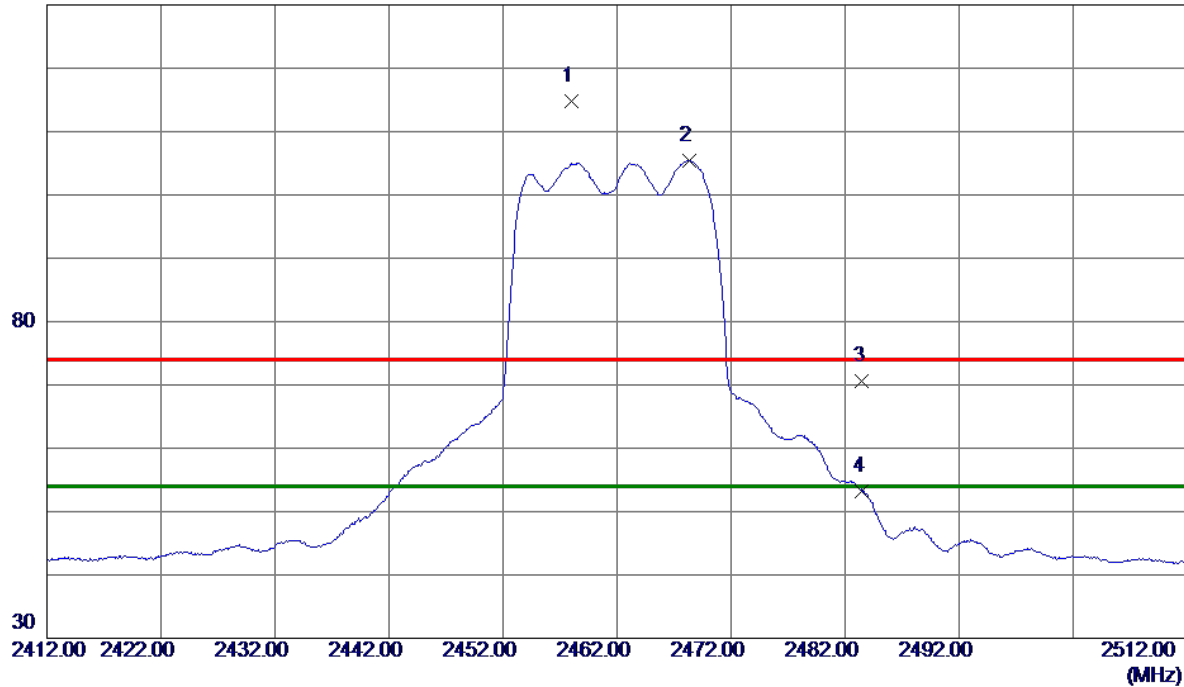
REMARKS:

- (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	2458.0000	106.92	7.79	114.71	74.00	40.71	Peak	No Limit
2 *	2468.3500	97.52	7.82	105.34	54.00	51.34	AVG	No Limit
3	2483.5000	62.81	7.88	70.69	74.00	-3.31	Peak	
4	2483.5000	45.40	7.88	53.28	54.00	-0.72	AVG	

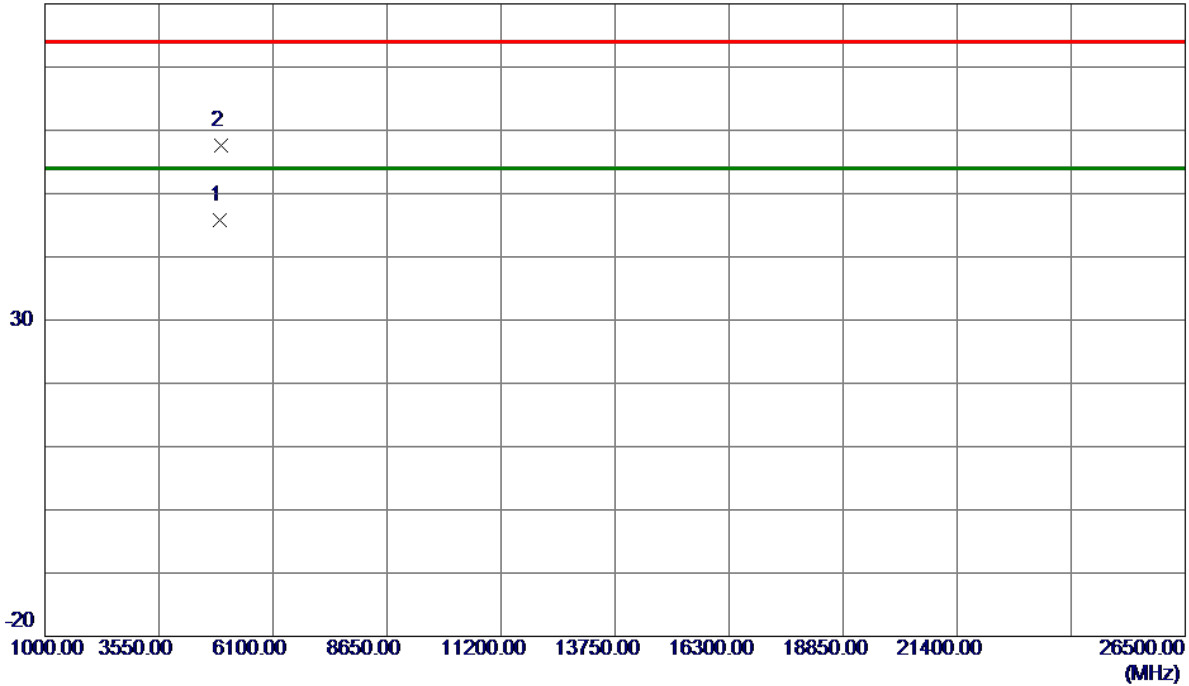
REMARKS:

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

Test Mode:	TX G Mode 2462 MHz
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Vertical

80 dBuV/m



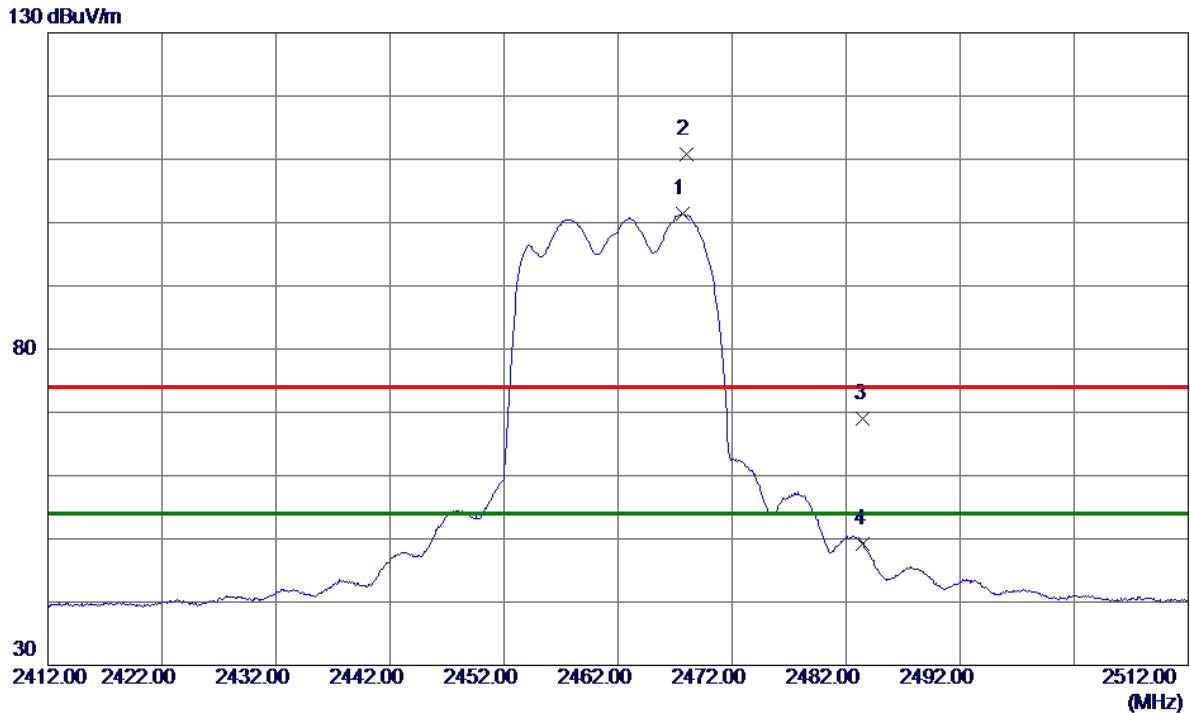
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4921.2050	40.95	4.91	45.86	54.00	-8.14	AVG	
2	4925.6150	52.74	4.93	57.67	74.00	-16.33	Peak	

REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2467.7000	93.61	7.82	101.43	54.00	47.43	AVG	No Limit
2	2468.0500	103.02	7.82	110.84	74.00	36.84	Peak	No Limit
3	2483.5000	61.05	7.88	68.93	74.00	-5.07	Peak	
4	2483.5000	41.36	7.88	49.24	54.00	-4.76	AVG	

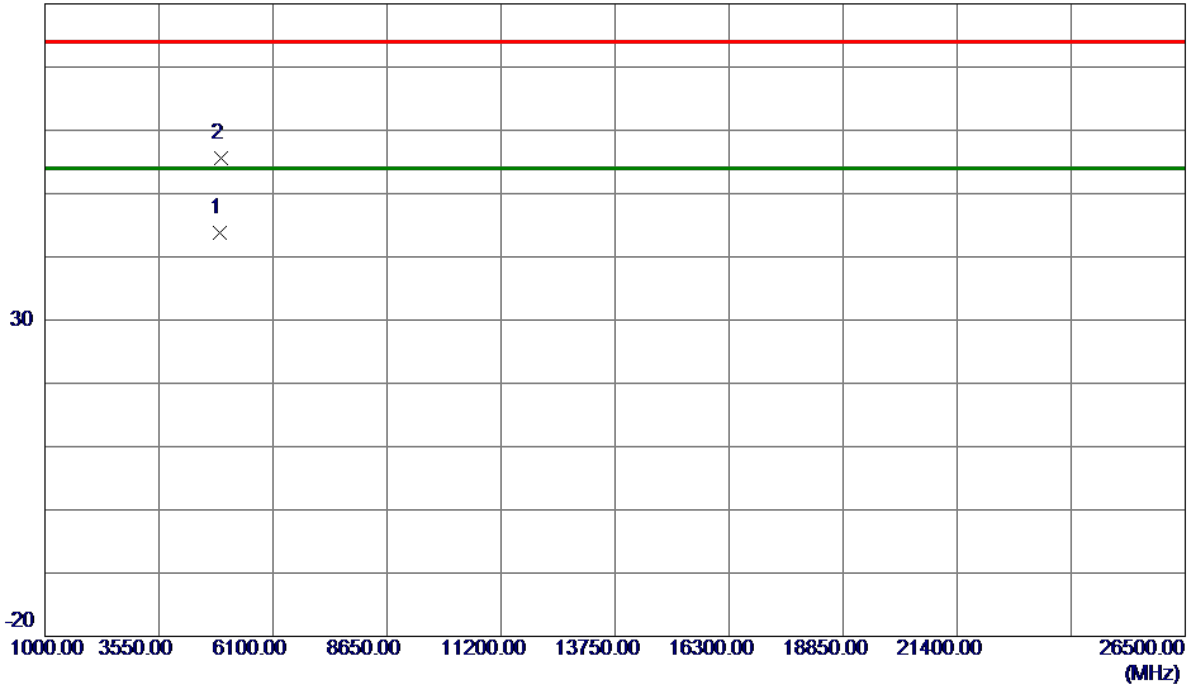
REMARKS:

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

Test Mode:	TX G Mode 2462 MHz
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Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4921.2050	38.95	4.91	43.86	54.00	-10.14	AVG	
2	4925.6150	50.74	4.93	55.67	74.00	-18.33	Peak	

REMARKS:

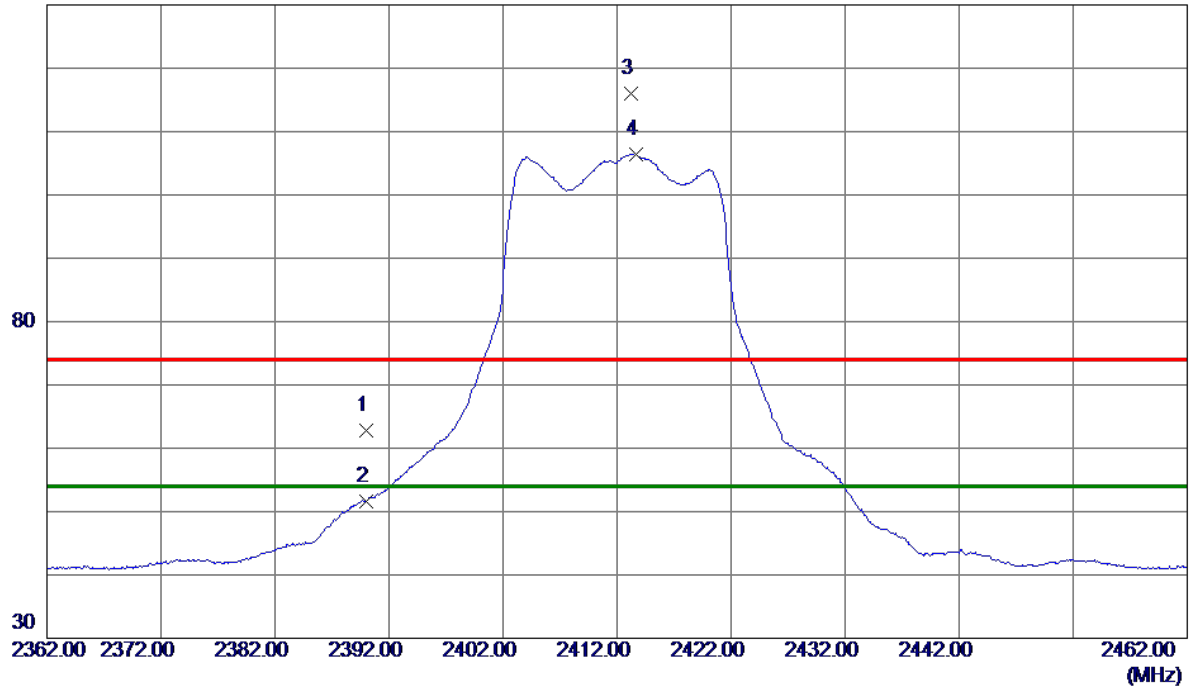
(1) Measurement Value = Reading Level + Correct Factor.

(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	55.19	7.56	62.75	74.00	-11.25	Peak	
2	2390.0000	44.05	7.56	51.61	54.00	-2.39	AVG	
3	2413.2000	108.27	7.64	115.91	74.00	41.91	Peak	No Limit
4 *	2413.7000	98.80	7.64	106.44	54.00	52.44	AVG	No Limit

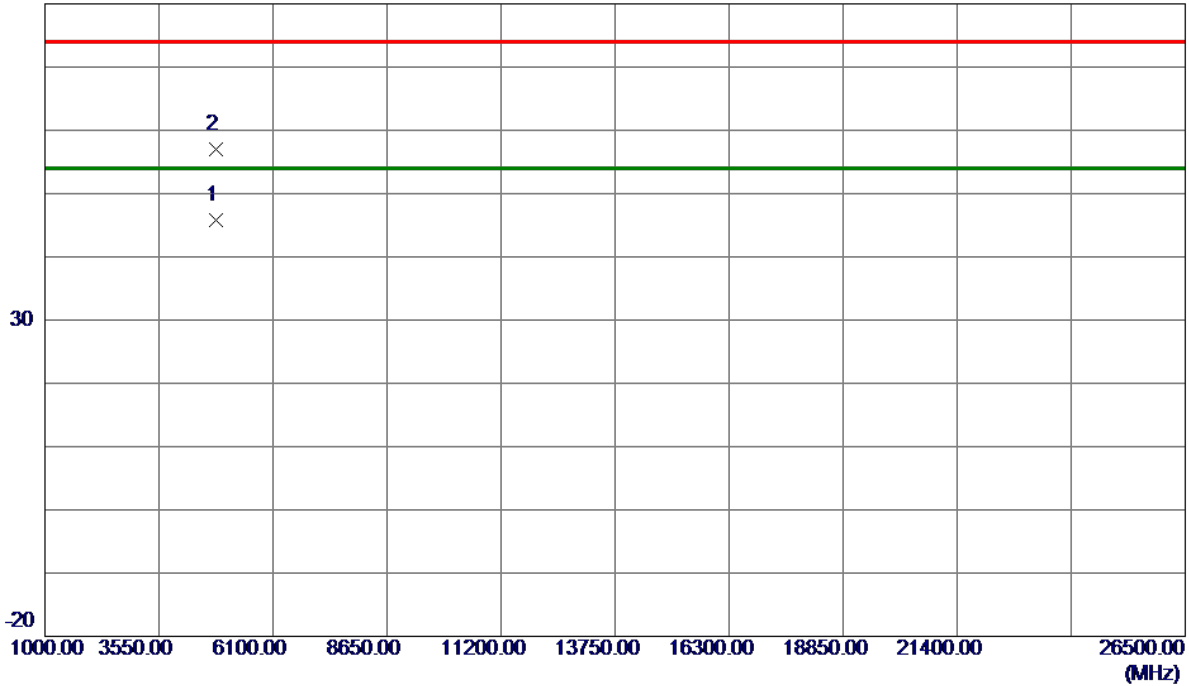
REMARKS:

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4827.1600	41.30	4.56	45.86	54.00	-8.14	AVG	
2	4827.5950	52.42	4.56	56.98	74.00	-17.02	Peak	

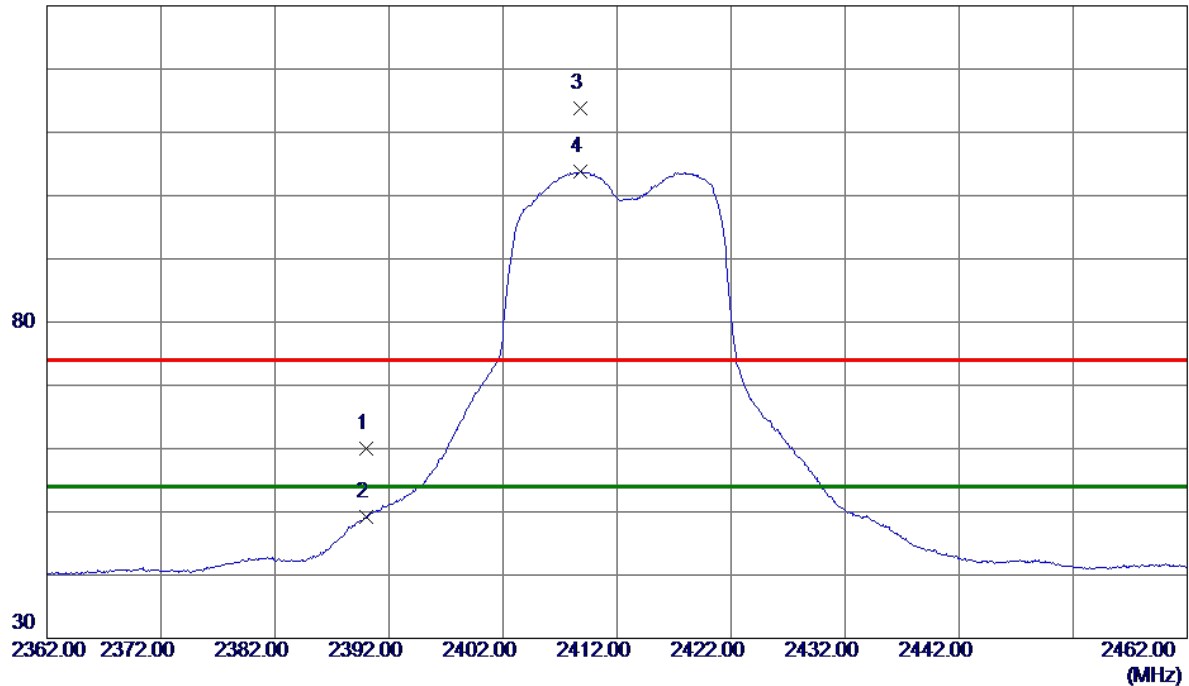
REMARKS:

- (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	52.36	7.56	59.92	74.00	-14.08	Peak	
2	2390.0000	41.65	7.56	49.21	54.00	-4.79	AVG	
3	2408.8000	106.18	7.63	113.81	74.00	39.81	Peak	No Limit
4 *	2408.8000	96.18	7.63	103.81	54.00	49.81	AVG	No Limit

REMARKS:

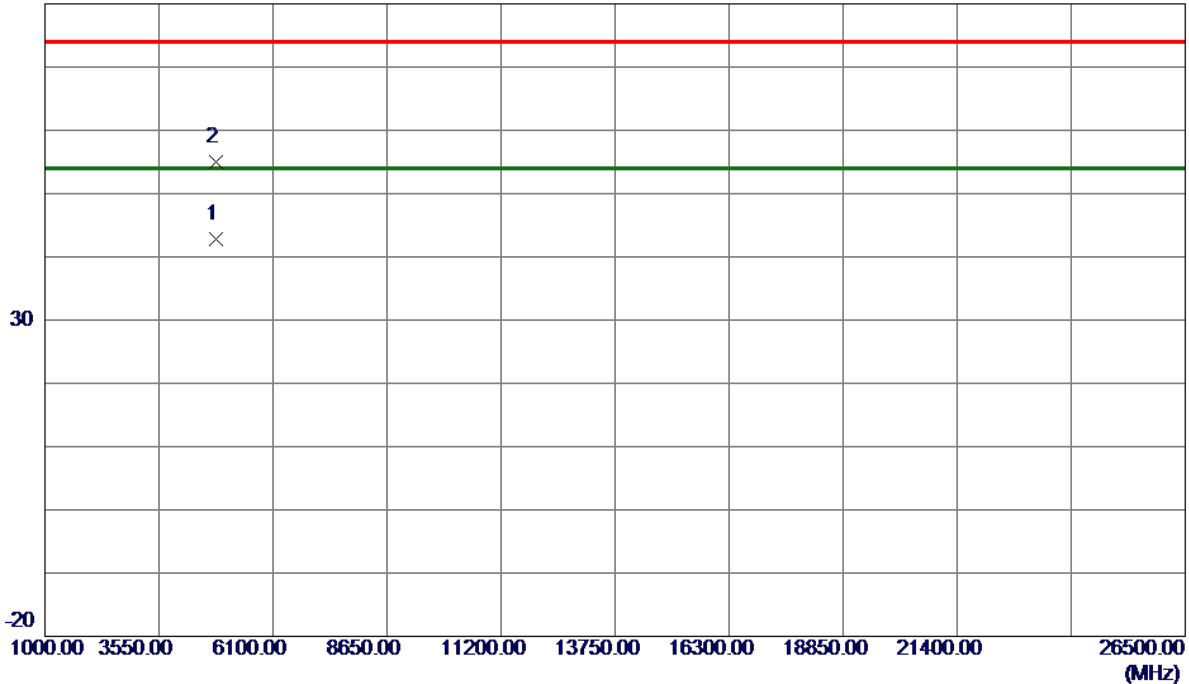
(1) Measurement Value = Reading Level + Correct Factor.

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4827.1600	38.30	4.56	42.86	54.00	-11.14	AVG	
2	4827.5950	50.42	4.56	54.98	74.00	-19.02	Peak	

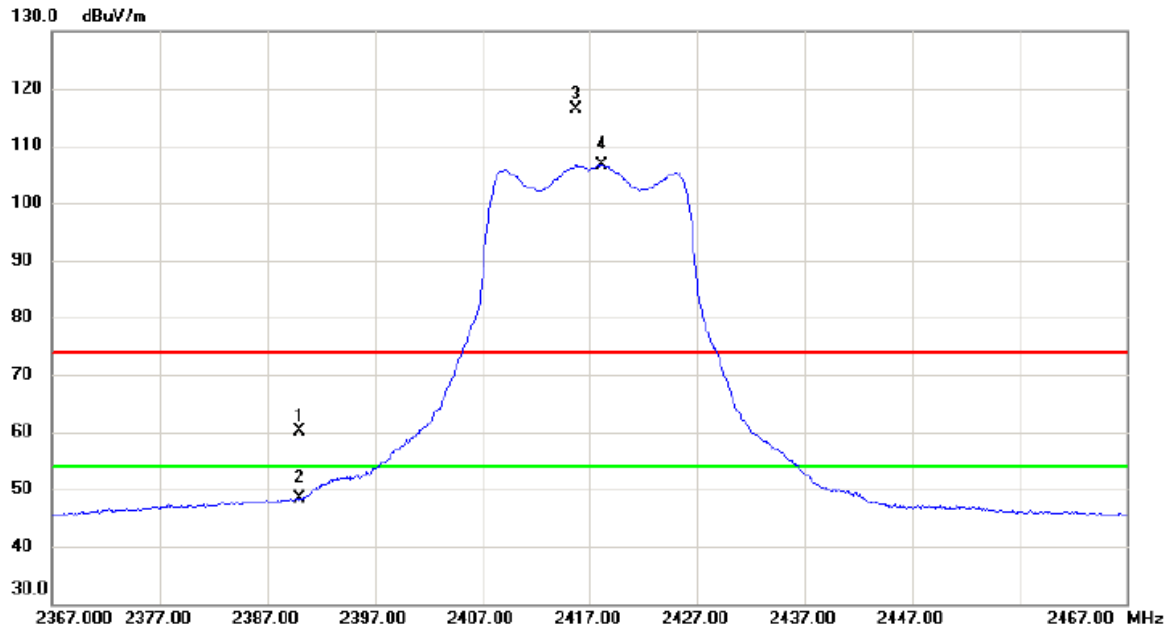
REMARKS:

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

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

Test Mode: TX N-20M Mode 2417 MHz

Vertical



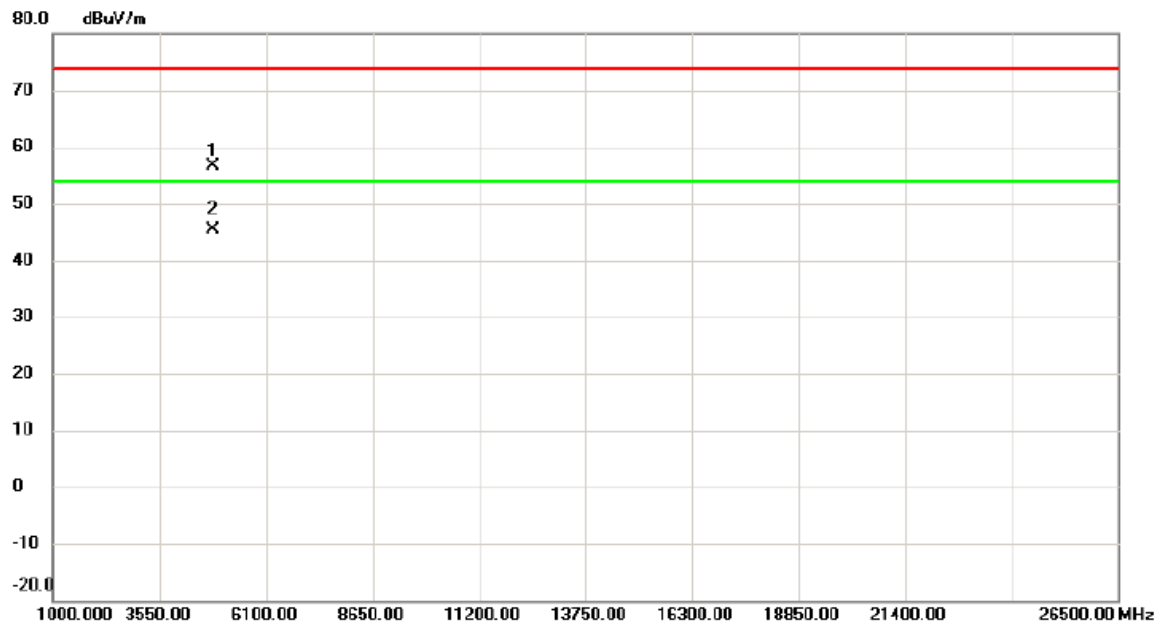
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	52.60	7.57	60.17	74.00	-13.83	peak	
2		2390.000	40.74	7.57	48.31	54.00	-5.69	AVG	
3	X	2415.700	108.83	7.65	116.48	74.00	42.48	peak	No Limit
4	*	2418.100	99.04	7.66	106.70	54.00	52.70	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
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Vertical



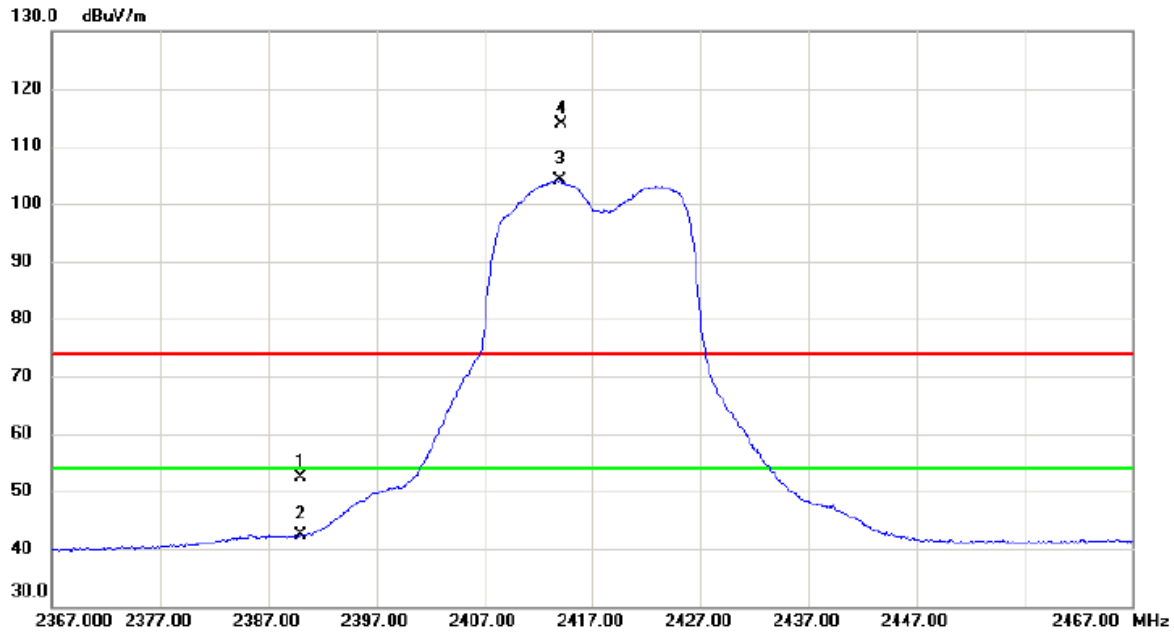
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4829.370	52.04	4.57	56.61	74.00	-17.39	peak	
2	*	4837.205	40.73	4.60	45.33	54.00	-8.67	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2417 MHz

Horizontal



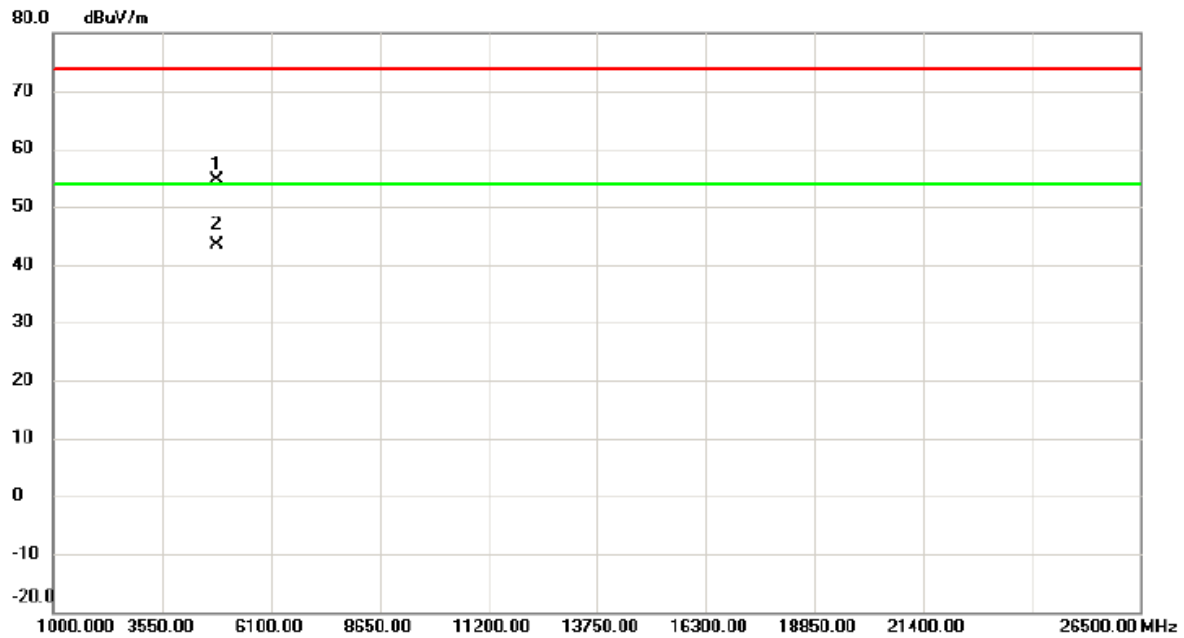
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	44.70	7.57	52.27	74.00	-21.73	peak	
2		2390.000	34.78	7.57	42.35	54.00	-11.65	AVG	
3	*	2414.000	96.59	7.65	104.24	54.00	50.24	AVG	No Limit
4	X	2414.150	106.33	7.65	113.98	74.00	39.98	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
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Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4829.370	50.04	4.57	54.61	74.00	-19.39	peak	
2	*	4837.205	38.73	4.60	43.33	54.00	-10.67	AVG	

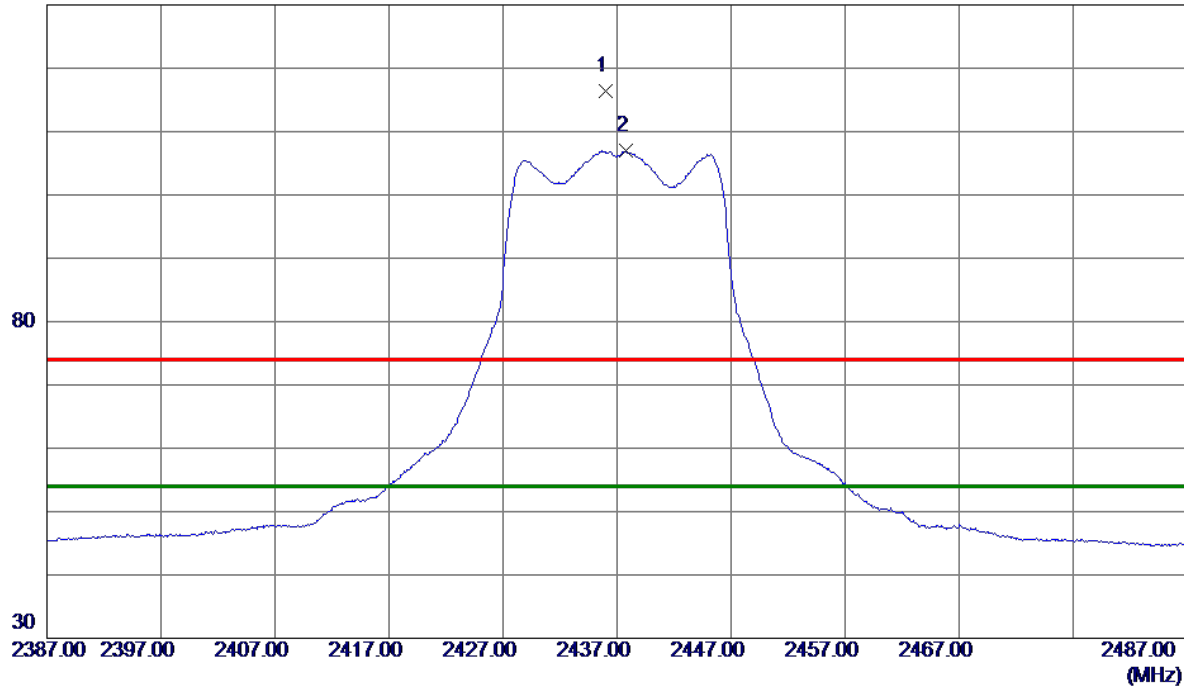
REMARKS:

- (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	2436.0500	108.63	7.72	116.35	74.00	42.35	Peak	No Limit
2 *	2437.7500	99.31	7.72	107.03	54.00	53.03	AVG	No Limit

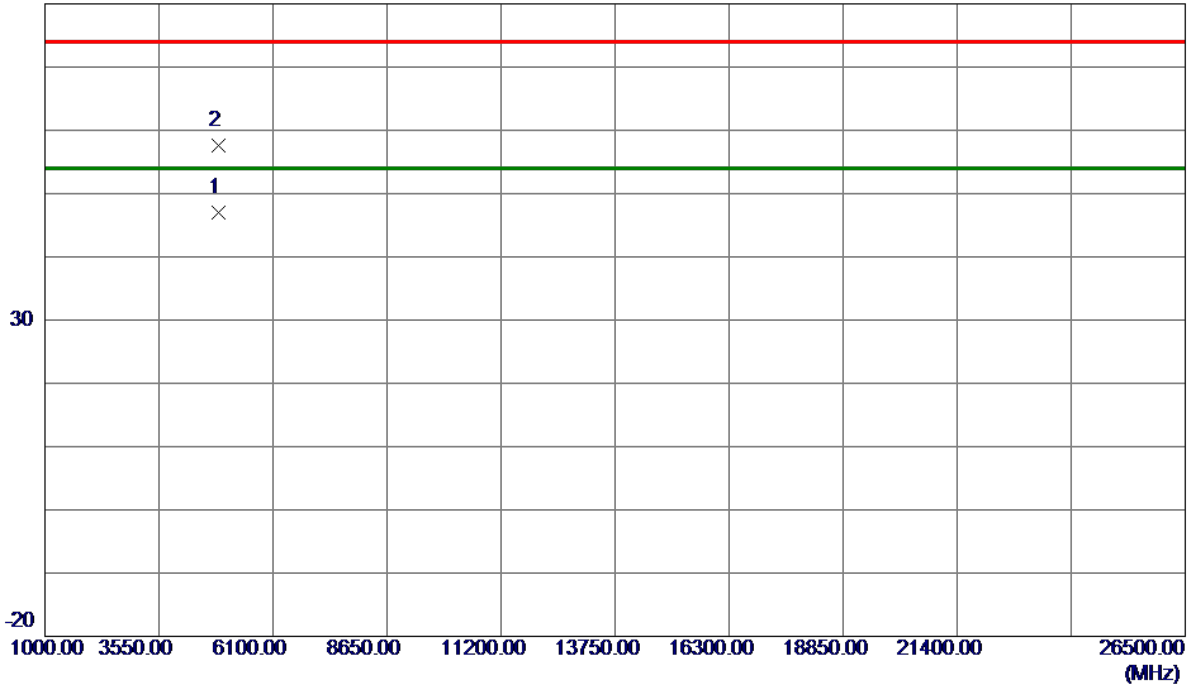
REMARKS:

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

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

80 dBuV/m



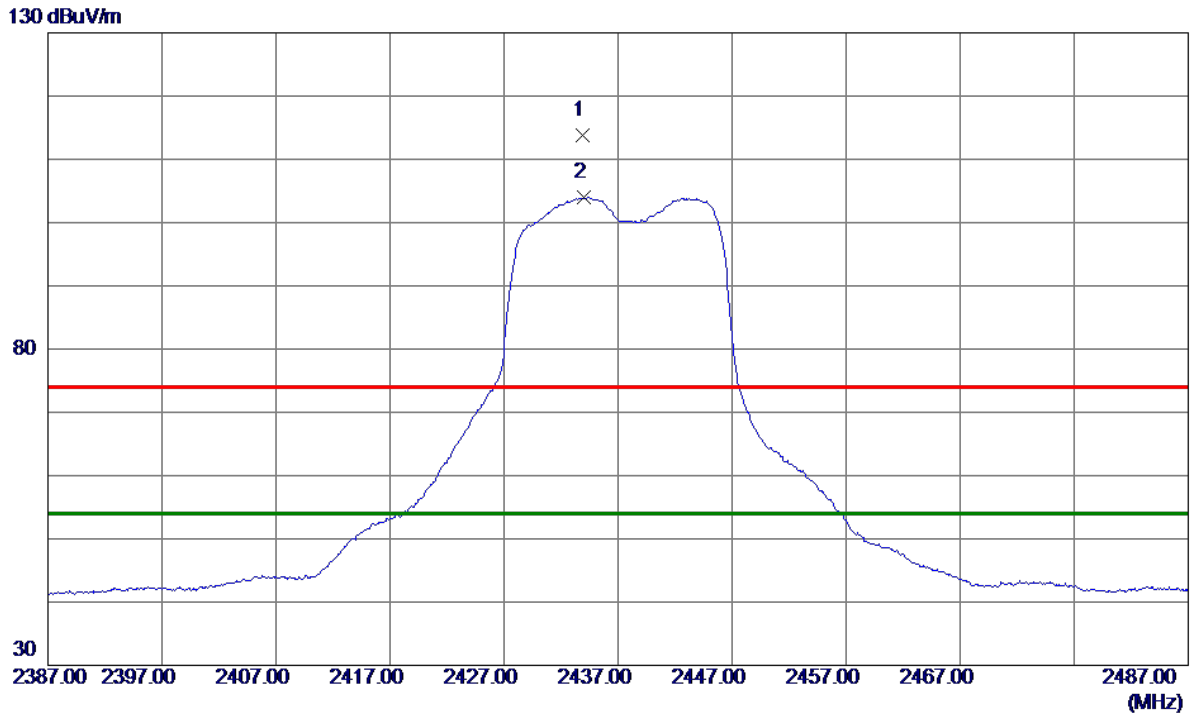
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4877.6950	42.21	4.75	46.96	54.00	-7.04	AVG	
2	4878.1500	52.92	4.75	57.67	74.00	-16.33	Peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2433.8500	106.15	7.71	113.86	74.00	39.86	Peak	No Limit
2 *	2434.0000	96.36	7.71	104.07	54.00	50.07	AVG	No Limit

REMARKS:

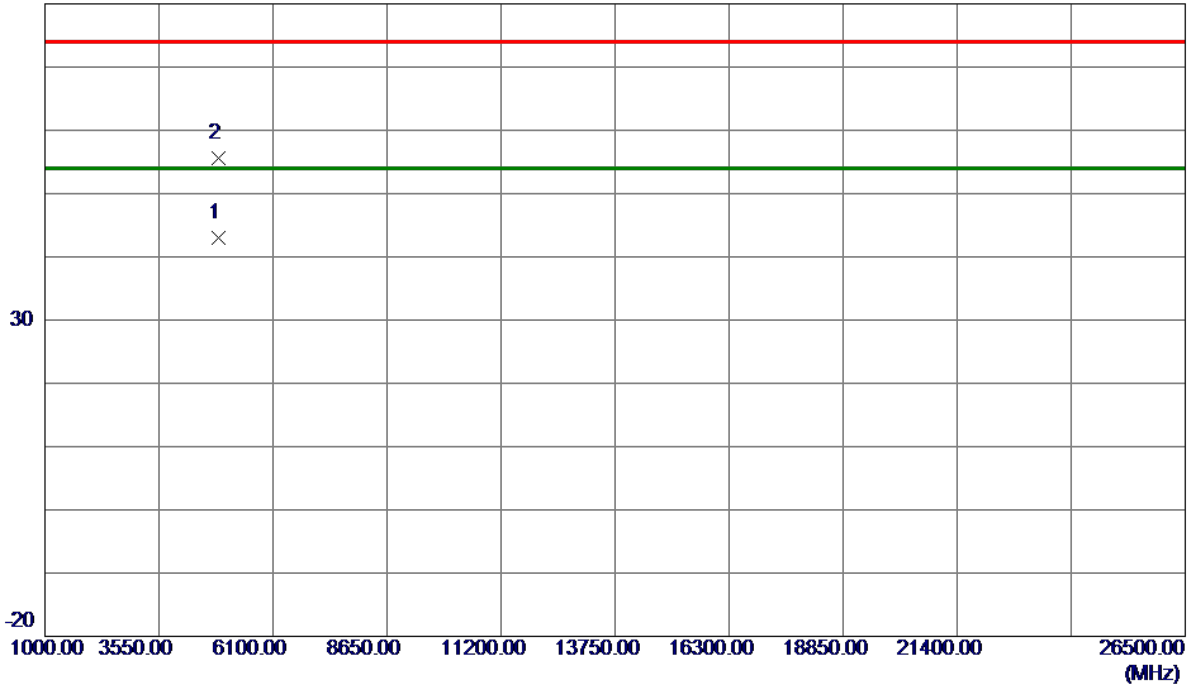
(1) Measurement Value = Reading Level + Correct Factor.

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4877.6950	38.21	4.75	42.96	54.00	-11.04	AVG	
2	4878.1500	50.92	4.75	55.67	74.00	-18.33	Peak	

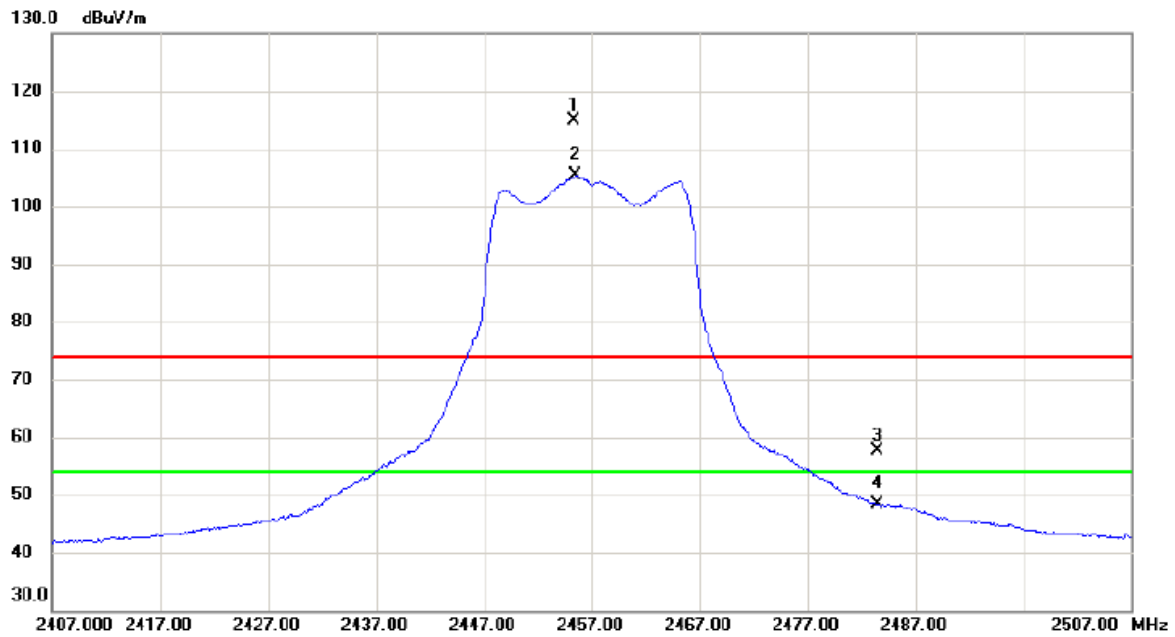
REMARKS:

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

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

Test Mode: TX N-20M Mode 2457 MHz

Vertical



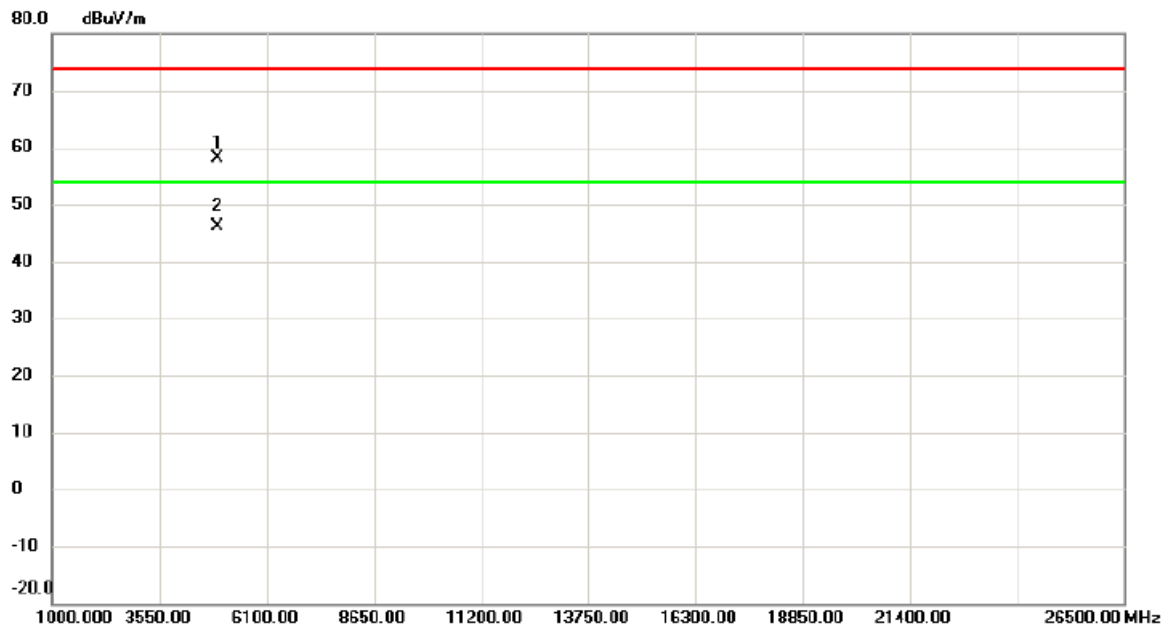
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2455.300	107.19	7.78	114.97	74.00	40.97	peak	No Limit
2	*	2455.500	97.52	7.78	105.30	54.00	51.30	AVG	No Limit
3		2483.500	49.73	7.87	57.60	74.00	-16.40	peak	
4		2483.500	40.44	7.87	48.31	54.00	-5.69	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



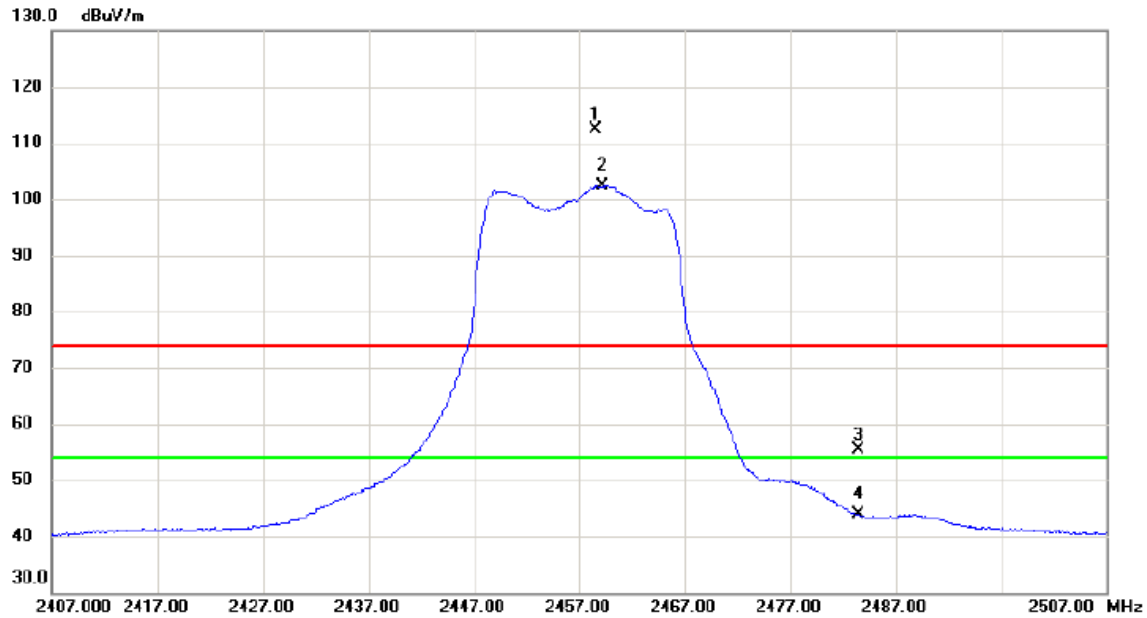
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4917.725	53.27	4.90	58.17	74.00	-15.83	peak	
2	*	4917.735	41.24	4.90	46.14	54.00	-7.86	AVG	

REMARKS:

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

Test Mode: TX N-20M Mode 2457 MHz

Horizontal



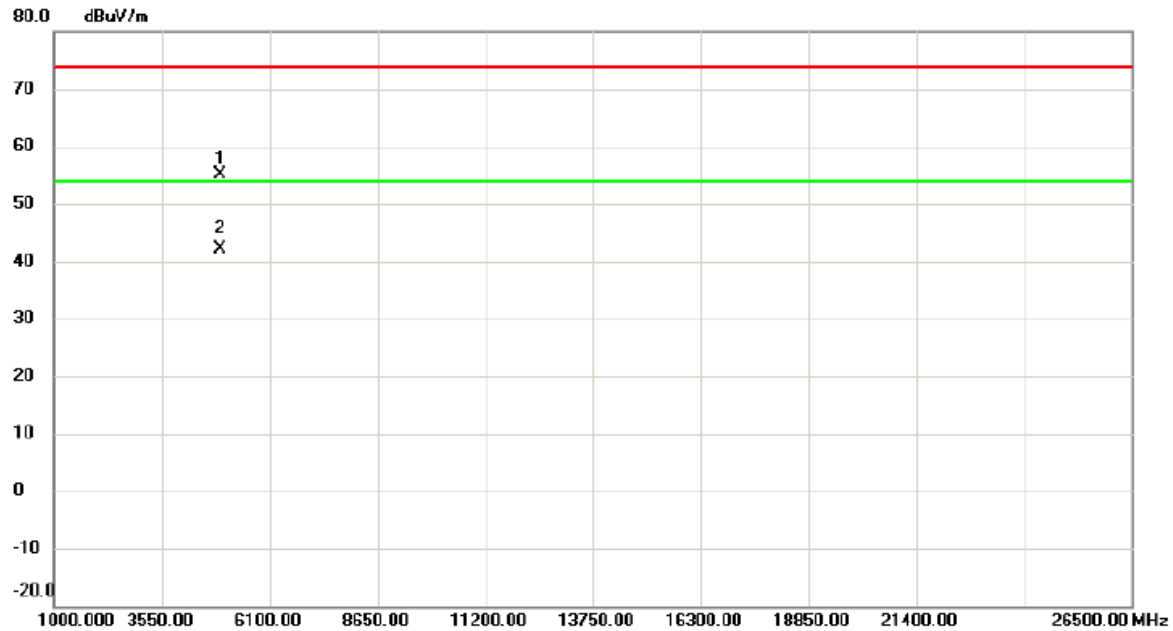
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2458.550	104.60	7.79	112.39	74.00	38.39	peak	No Limit
2	*	2459.150	94.52	7.79	102.31	54.00	48.31	AVG	No Limit
3		2483.500	47.41	7.87	55.28	74.00	-18.72	peak	
4		2483.500	35.98	7.87	43.85	54.00	-10.15	AVG	

REMARKS:

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

Test Mode:	TX N-20M Mode 2457 MHz
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Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4917.725	50.27	4.90	55.17	74.00	-18.83	peak	
2	*	4917.735	37.24	4.90	42.14	54.00	-11.86	AVG	

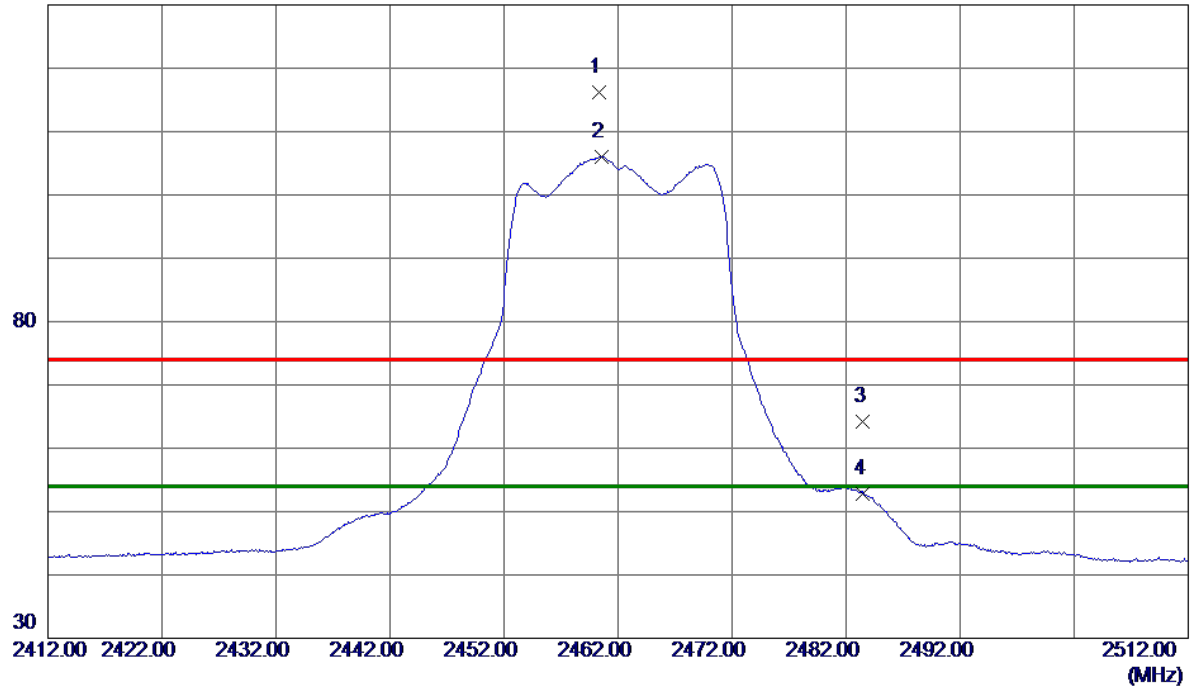
REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Vertical

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	2460.3000	108.49	7.80	116.29	74.00	42.29	Peak	No Limit
2 *	2460.6000	98.21	7.80	106.01	54.00	52.01	AVG	No Limit
3	2483.5000	56.31	7.88	64.19	74.00	-9.81	Peak	
4	2483.5000	45.00	7.88	52.88	54.00	-1.12	AVG	

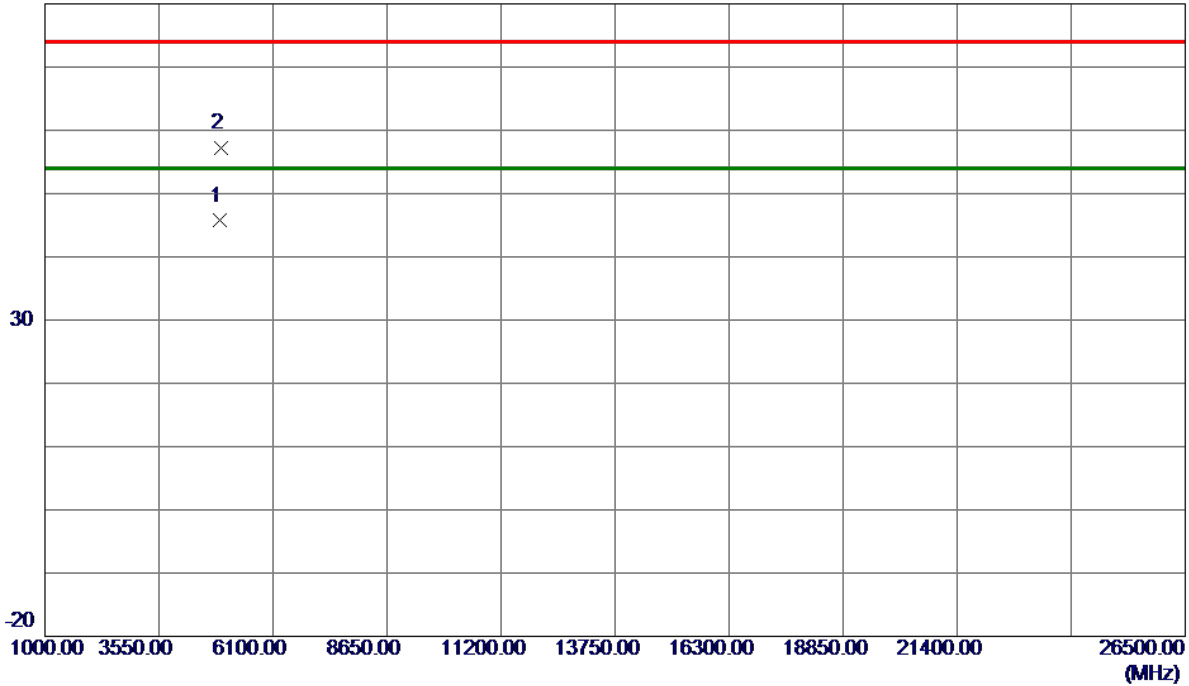
REMARKS:

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

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

80 dBuV/m



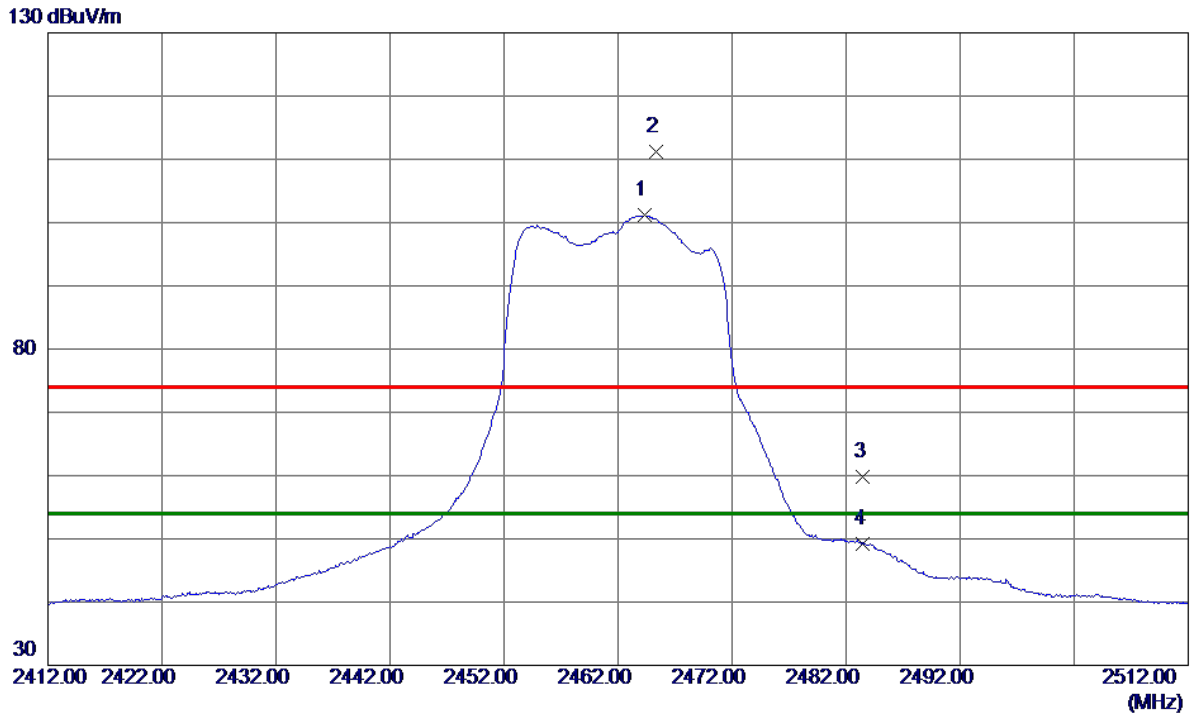
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4919.2850	40.79	4.91	45.70	54.00	-8.30	AVG	
2	4927.1500	52.32	4.94	57.26	74.00	-16.74	Peak	

REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2464.3000	93.30	7.81	101.11	54.00	47.11	AVG	No Limit
2	2465.3000	103.47	7.81	111.28	74.00	37.28	Peak	No Limit
3	2483.5000	51.89	7.88	59.77	74.00	-14.23	Peak	
4	2483.5000	41.24	7.88	49.12	54.00	-4.88	AVG	

REMARKS:

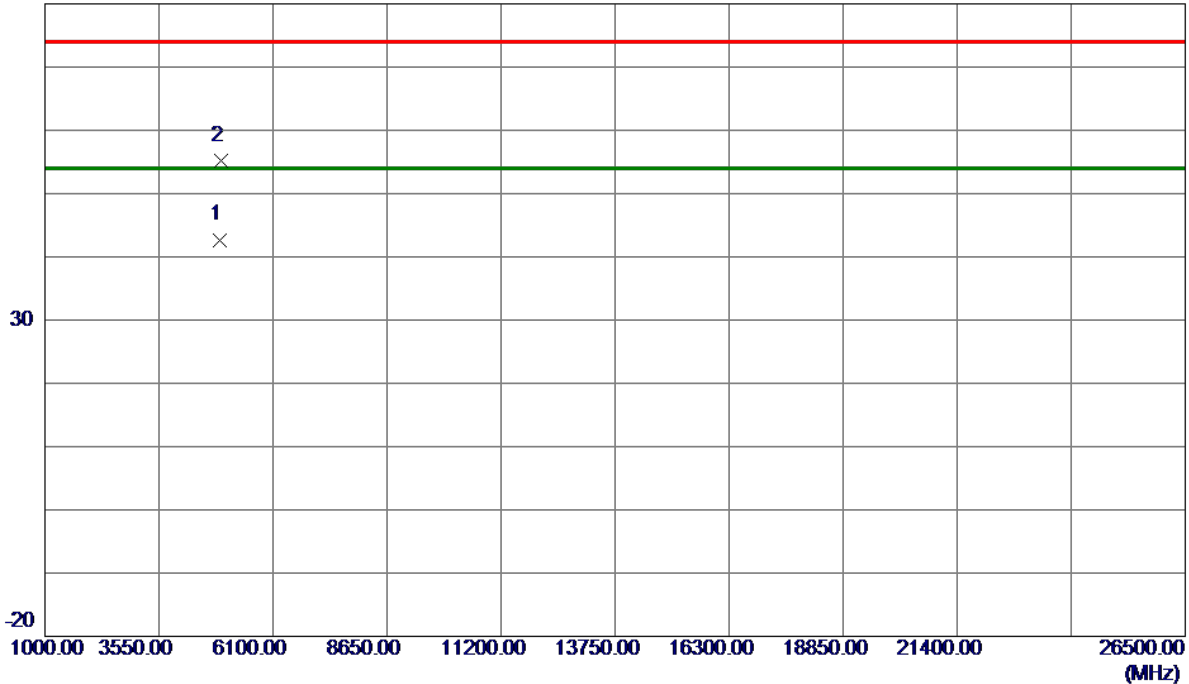
(1) Measurement Value = Reading Level + Correct Factor.

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4919.2850	37.79	4.91	42.70	54.00	-11.30	AVG	
2	4927.1500	50.32	4.94	55.26	74.00	-18.74	Peak	

REMARKS:

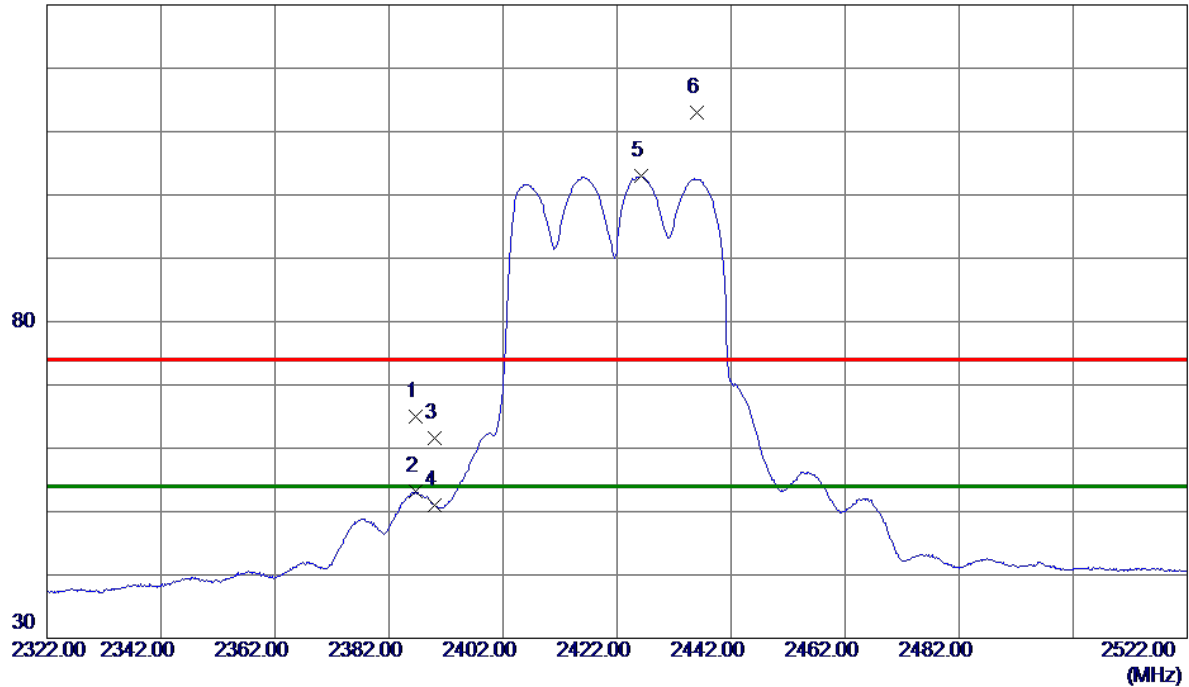
(1) Measurement Value = Reading Level + Correct Factor.

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

Test Mode: TX N-40M Mode 2422MHz

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	2386.6000	57.36	7.55	64.91	74.00	-9.09	Peak	
2	2386.6000	45.62	7.55	53.17	54.00	-0.83	AVG	
3	2390.0000	54.03	7.56	61.59	74.00	-12.41	Peak	
4	2390.0000	43.42	7.56	50.98	54.00	-3.02	AVG	
5 *	2426.3000	95.28	7.69	102.97	54.00	48.97	AVG	No Limit
6	2436.0000	105.24	7.72	112.96	74.00	38.96	Peak	No Limit

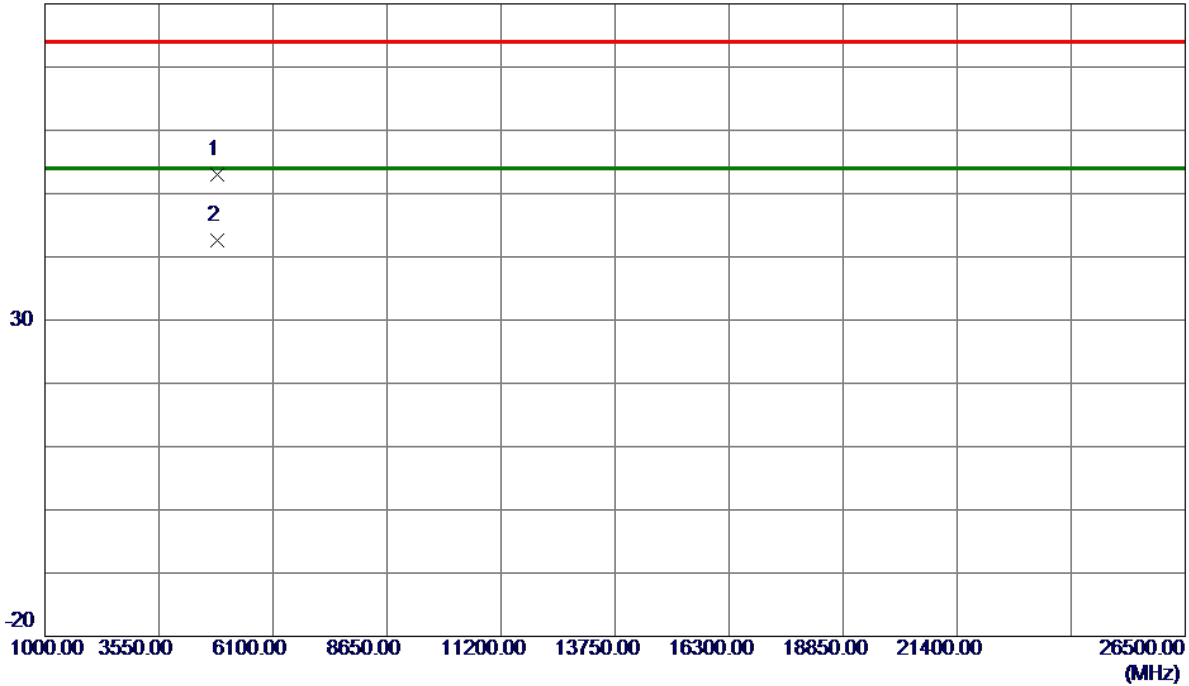
REMARKS:

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4844.8849	48.36	4.63	52.99	74.00	-21.01	Peak	
2 *	4847.6700	38.01	4.64	42.65	54.00	-11.35	AVG	

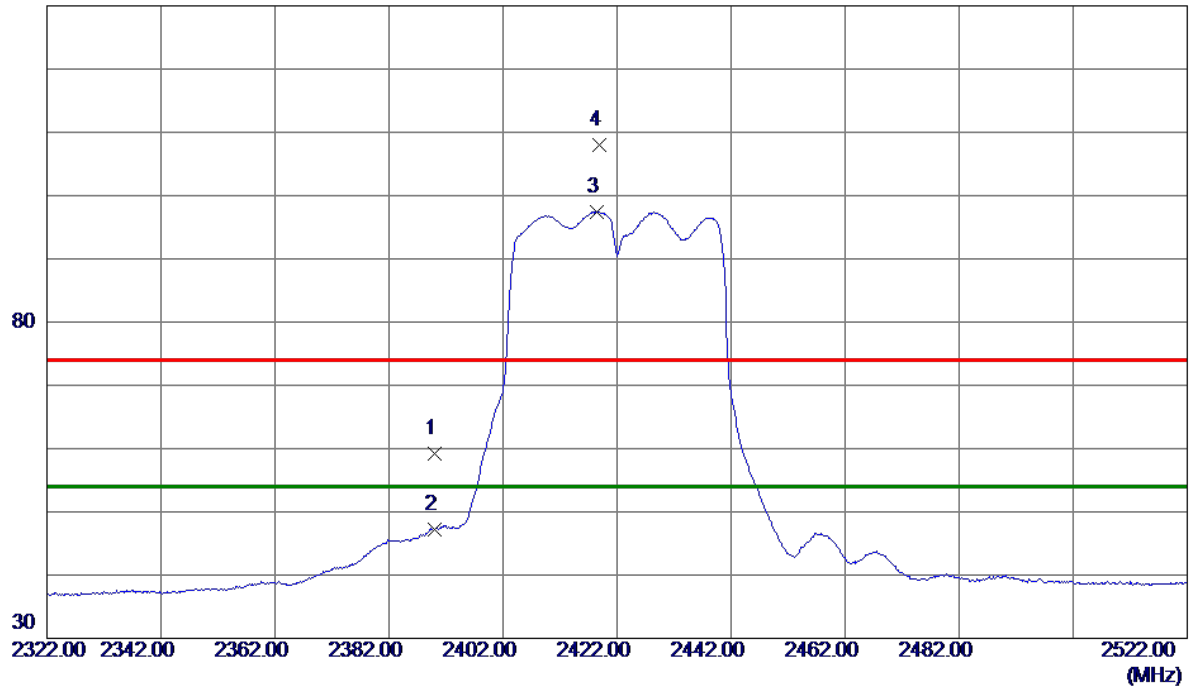
REMARKS:

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

Test Mode: TX N-40M Mode 2422MHz

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	51.58	7.56	59.14	74.00	-14.86	Peak	
2	2390.0000	39.63	7.56	47.19	54.00	-6.81	AVG	
3 *	2418.4000	89.83	7.66	97.49	54.00	43.49	AVG	No Limit
4	2418.8000	100.36	7.66	108.02	74.00	34.02	Peak	No Limit

REMARKS:

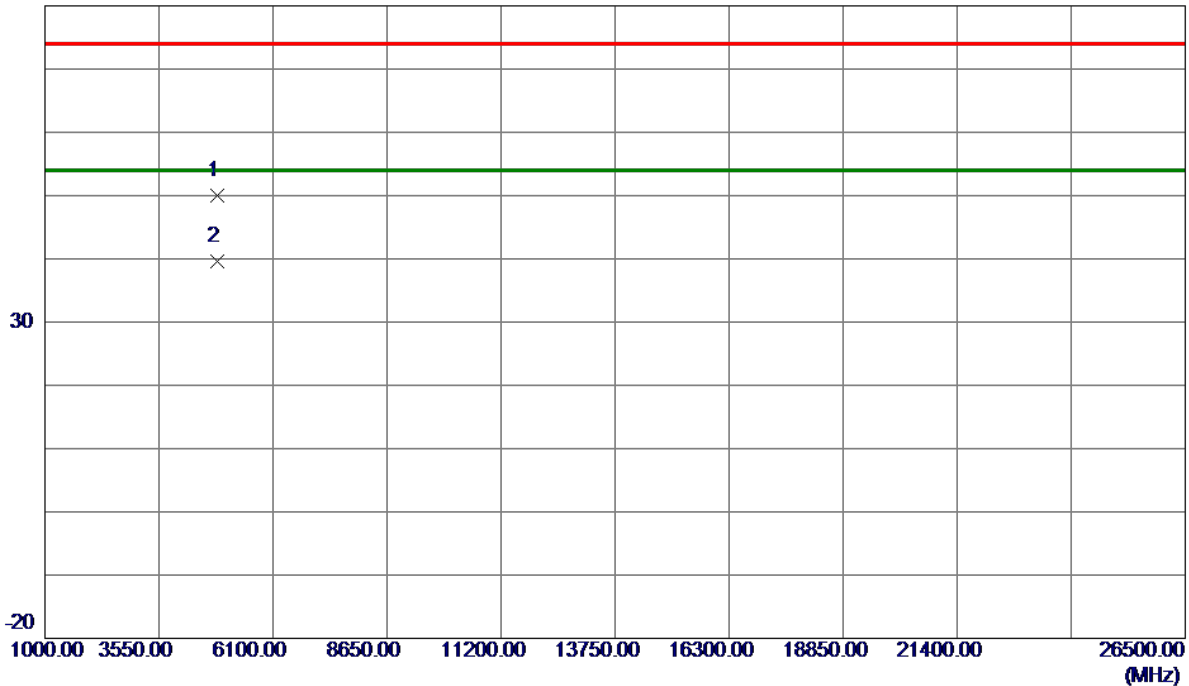
(1) Measurement Value = Reading Level + Correct Factor.

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4844.8849	45.36	4.63	49.99	74.00	-24.01	Peak	
2 *	4847.6700	35.01	4.64	39.65	54.00	-14.35	AVG	

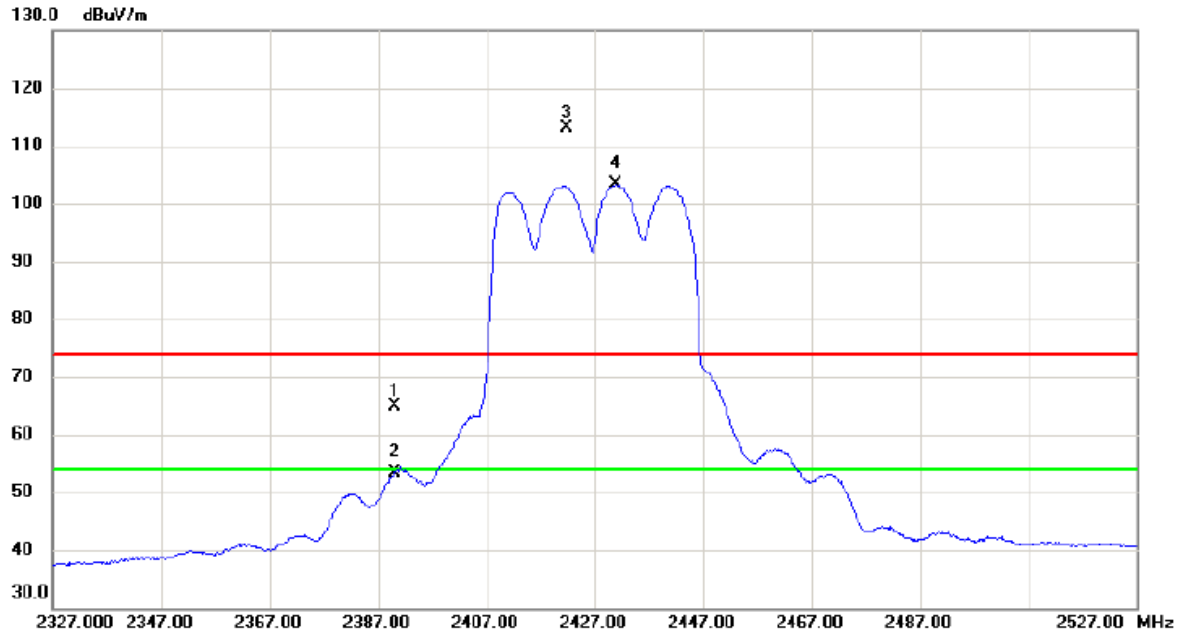
REMARKS:

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

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

Test Mode: TX N-40M Mode 2427MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	57.28	7.57	64.85	74.00	-9.15	peak	
2		2390.000	45.77	7.57	53.34	54.00	-0.66	AVG	
3	X	2421.900	105.38	7.67	113.05	74.00	39.05	peak	No Limit
4	*	2430.900	95.58	7.70	103.28	54.00	49.28	AVG	No Limit

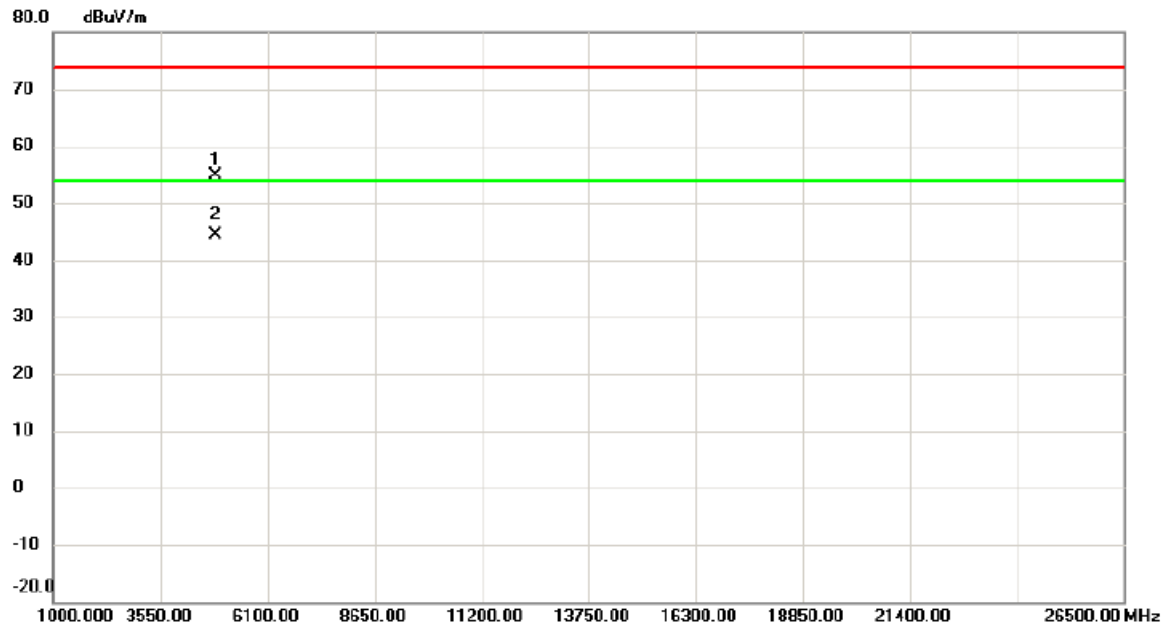
REMARKS:

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

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

Test Mode: TX N-40M Mode 2427MHz

Vertical



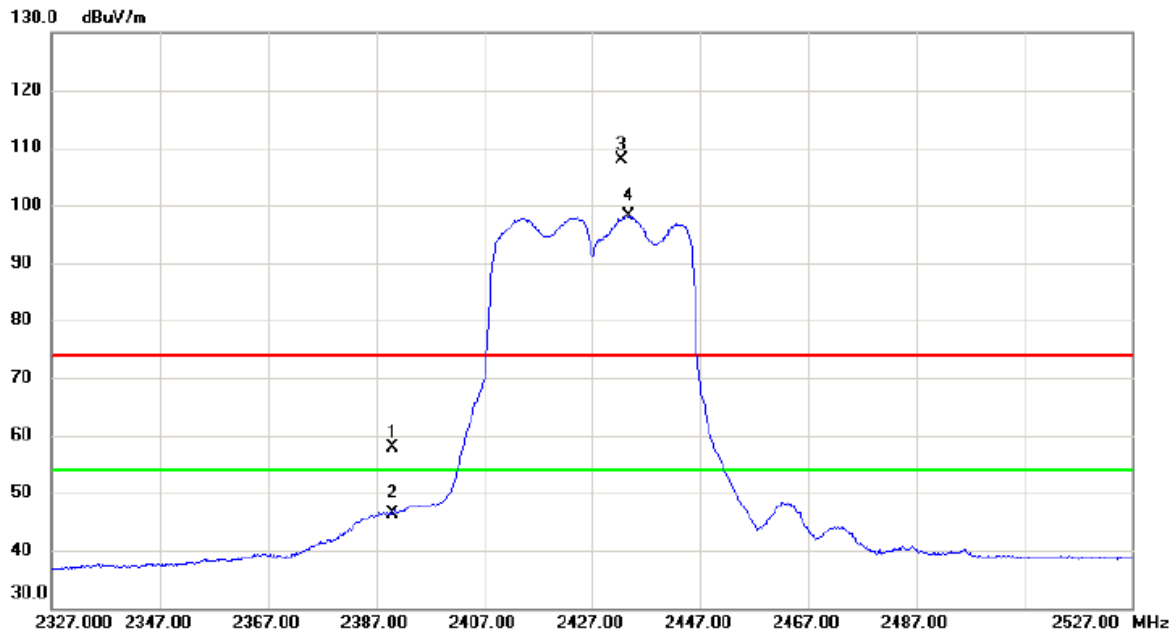
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4856.790	50.30	4.67	54.97	74.00	-19.03	peak	
2	*	4858.245	39.65	4.67	44.32	54.00	-9.68	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2427MHz

Horizontal



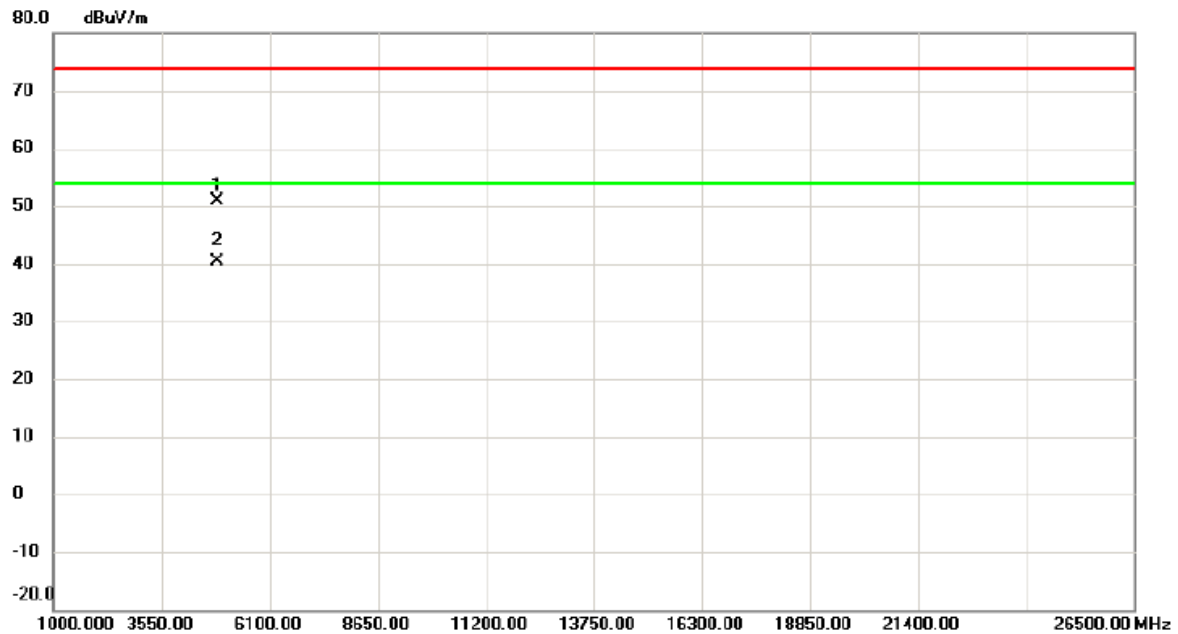
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	50.29	7.57	57.86	74.00	-16.14	peak	
2		2390.000	38.88	7.57	46.45	54.00	-7.55	AVG	
3	X	2432.500	100.09	7.70	107.79	74.00	33.79	peak	No Limit
4	*	2433.800	90.36	7.70	98.06	54.00	44.06	AVG	No Limit

REMARKS:

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

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



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4856.790	46.30	4.67	50.97	74.00	-23.03	peak	
2	*	4858.245	35.65	4.67	40.32	54.00	-13.68	AVG	

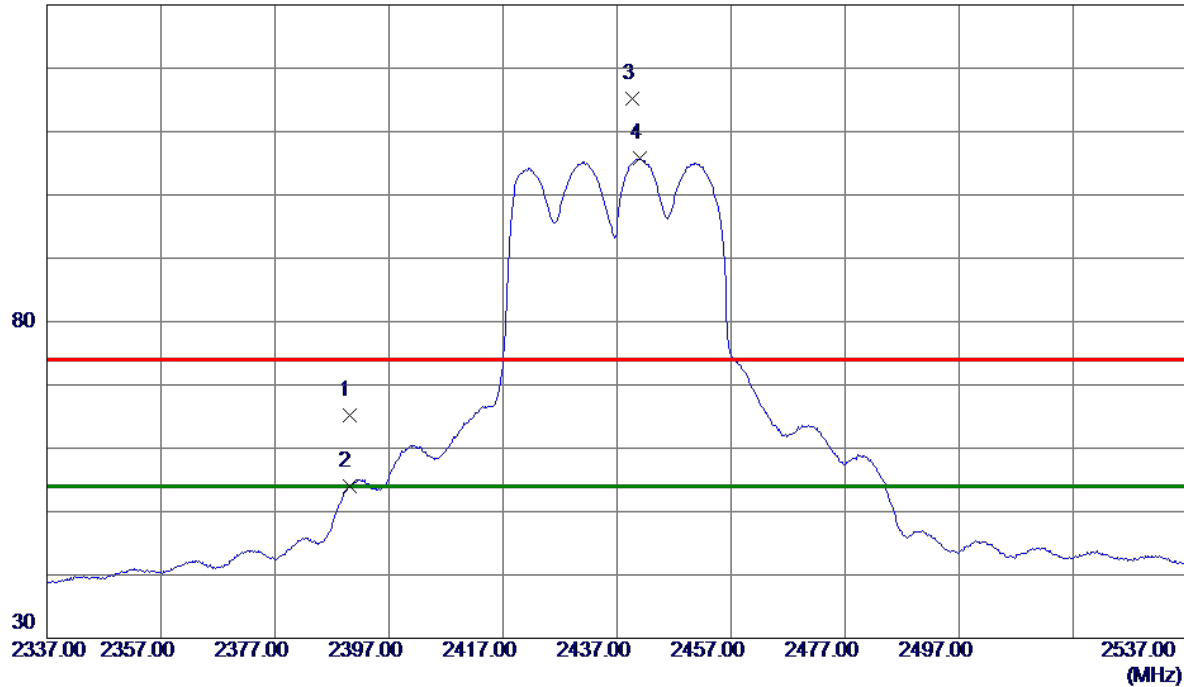
REMARKS:

- (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	57.66	7.56	65.22	74.00	-8.78	Peak	
2	2390.0000	46.40	7.56	53.96	54.00	-0.04	AVG	
3	2439.7000	107.49	7.73	115.22	74.00	41.22	Peak	No Limit
4 *	2441.1000	98.15	7.73	105.88	54.00	51.88	AVG	No Limit

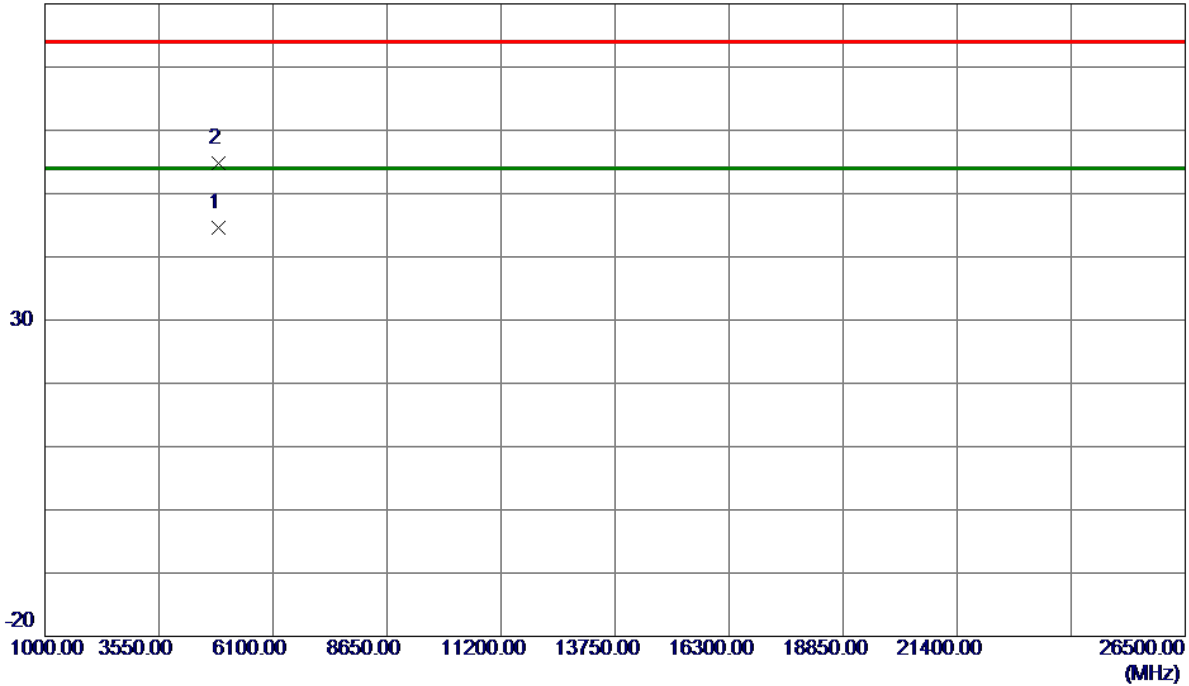
REMARKS:

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

Test Mode:	TX N-40M Mode 2437 MHz
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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 *	4878.1200	39.84	4.75	44.59	54.00	-9.41	AVG	
2	4878.5650	50.13	4.75	54.88	74.00	-19.12	Peak	

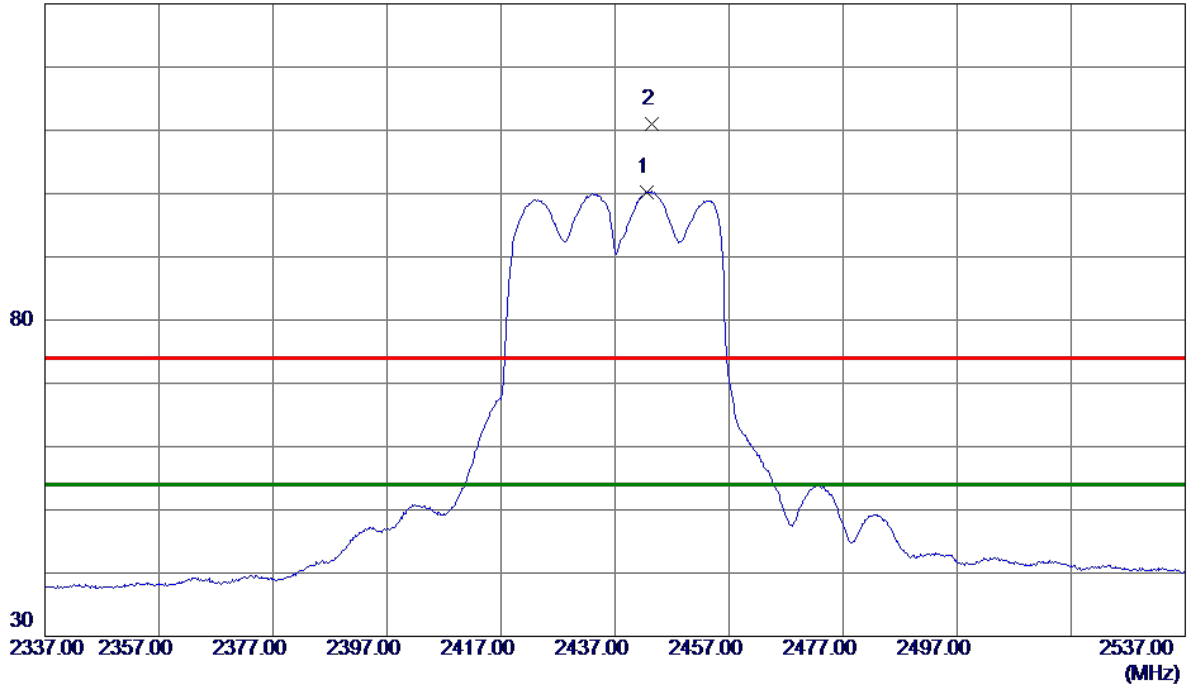
REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Horizontal

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 *	2442.6000	92.52	7.74	100.26	54.00	46.26	AVG	No Limit
2	2443.5000	103.30	7.74	111.04	74.00	37.04	Peak	No Limit

REMARKS:

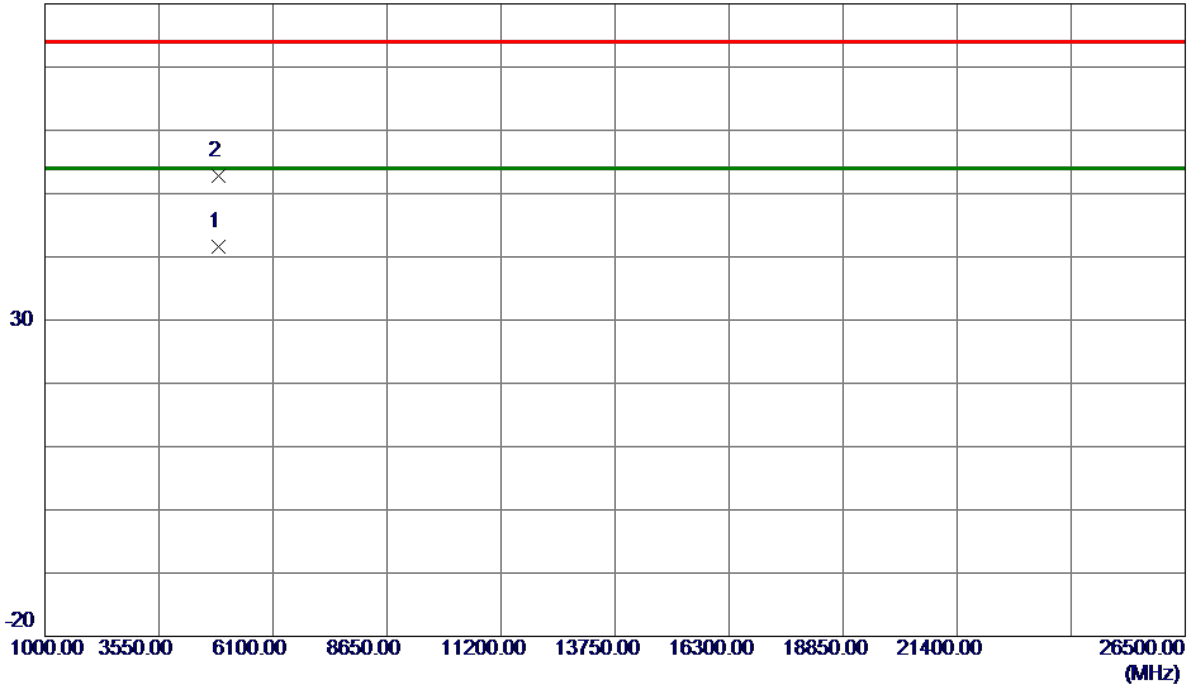
(1) Measurement Value = Reading Level + Correct Factor.

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4878.1200	36.84	4.75	41.59	54.00	-12.41	AVG	
2	4878.5650	48.13	4.75	52.88	74.00	-21.12	Peak	

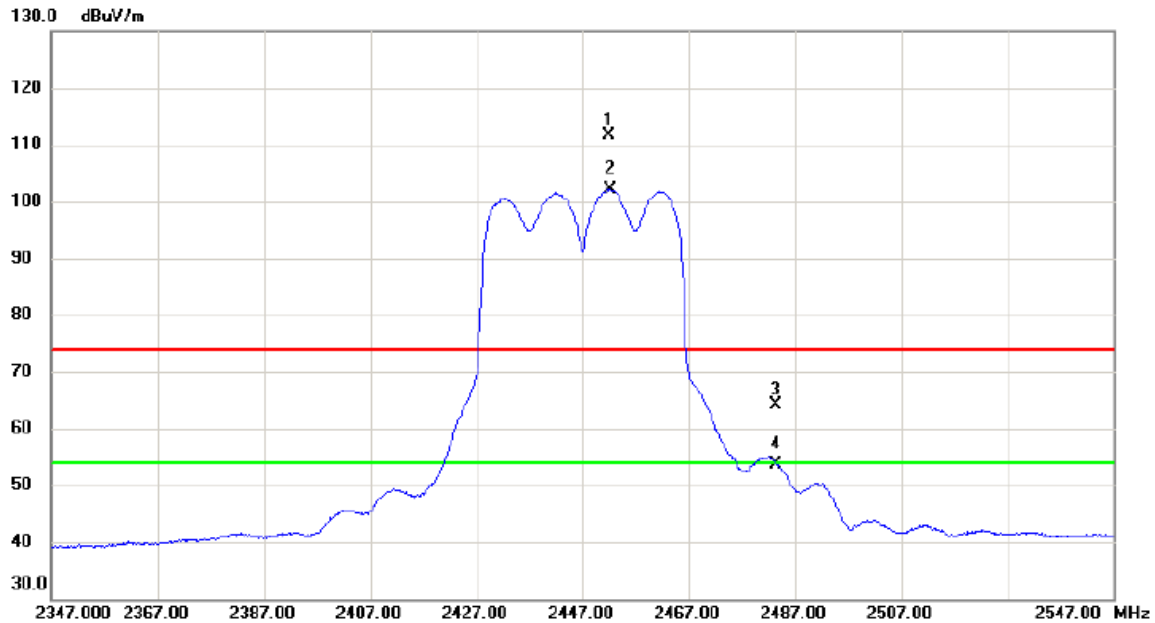
REMARKS:

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

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

Test Mode: TX N-40M Mode 2447MHz

Vertical



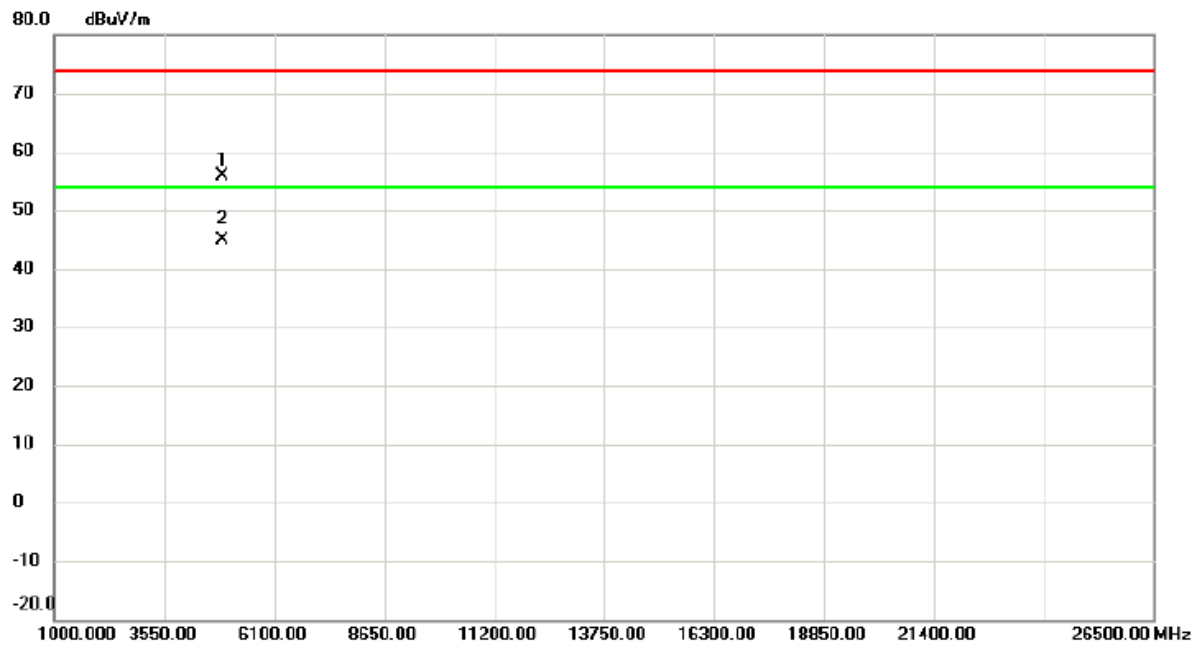
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2452.000	103.79	7.77	111.56	74.00	37.56	peak	No Limit
2	*	2452.200	94.30	7.77	102.07	54.00	48.07	AVG	No Limit
3		2483.500	56.22	7.87	64.09	74.00	-9.91	peak	
4		2483.500	45.70	7.87	53.57	54.00	-0.43	AVG	

REMARKS:

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

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



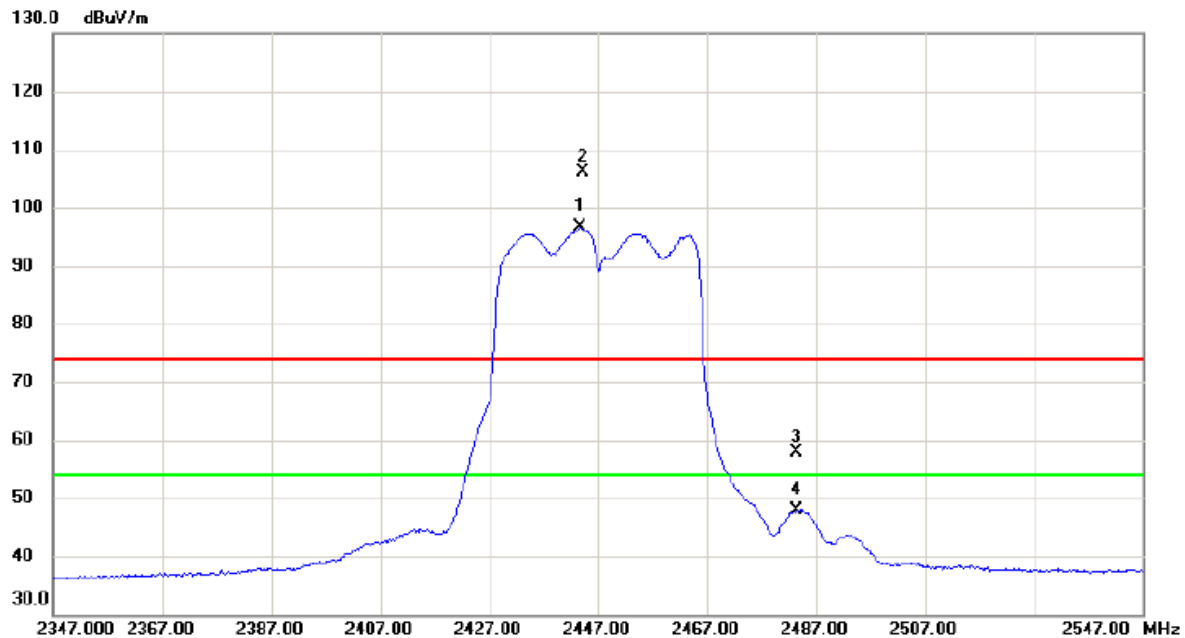
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4889.825	51.03	4.79	55.82	74.00	-18.18	peak	
2	*	4897.775	40.03	4.83	44.86	54.00	-9.14	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2447MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2443.600	88.78	7.75	96.53	54.00	42.53	AVG	No Limit
2	X	2444.200	98.41	7.75	106.16	74.00	32.16	peak	No Limit
3		2483.500	49.91	7.87	57.78	74.00	-16.22	peak	
4		2483.500	39.92	7.87	47.79	54.00	-6.21	AVG	

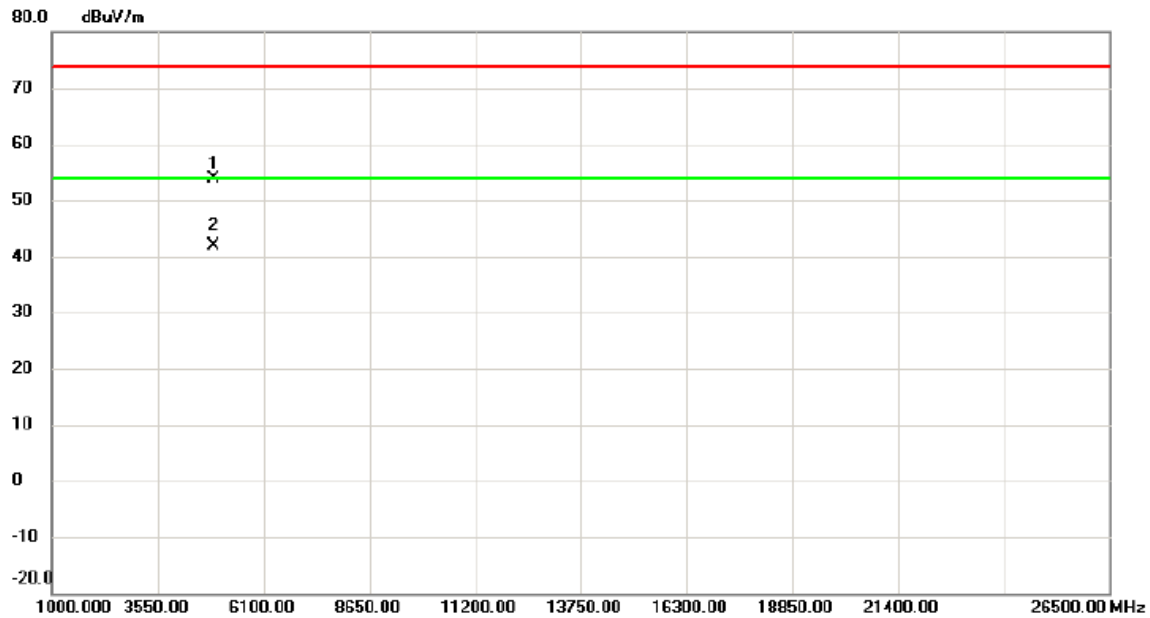
REMARKS:

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

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

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



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4889.825	49.03	4.79	53.82	74.00	-20.18	peak	
2	*	4897.775	37.03	4.83	41.86	54.00	-12.14	AVG	

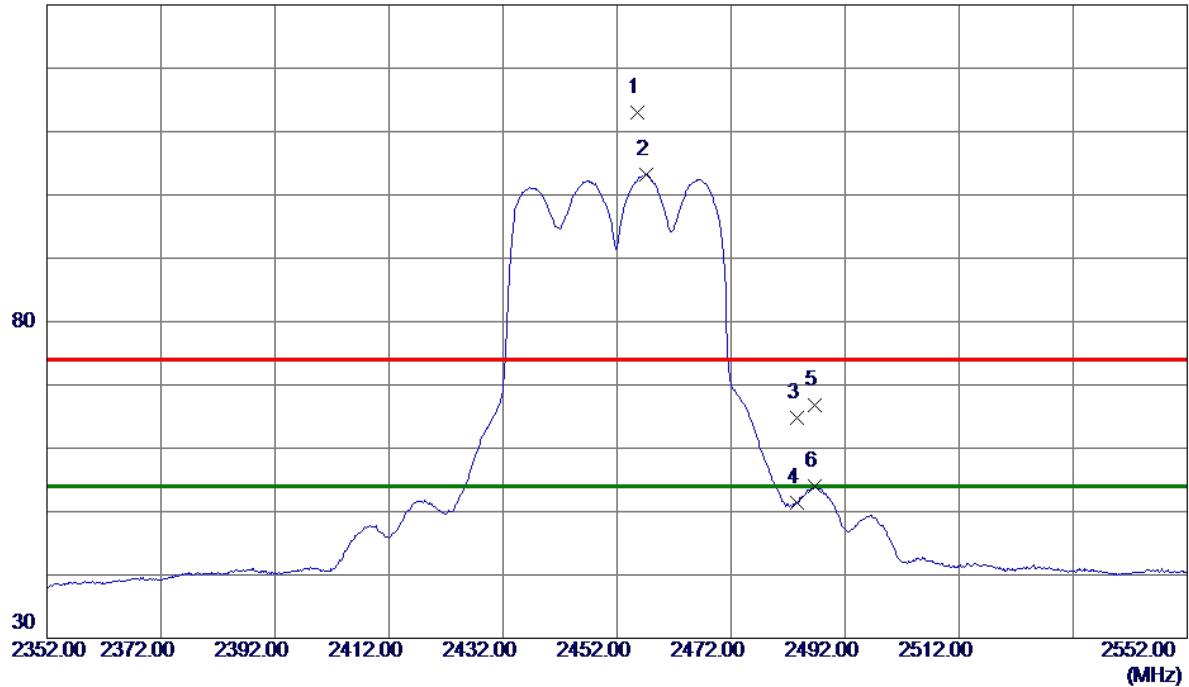
REMARKS:

- (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	2455.6000	105.20	7.78	112.98	74.00	38.98	Peak	No Limit
2 *	2457.2000	95.39	7.79	103.18	54.00	49.18	AVG	No Limit
3	2483.5000	56.90	7.88	64.78	74.00	-9.22	Peak	
4	2483.5000	43.52	7.88	51.40	54.00	-2.60	AVG	
5	2486.6000	58.88	7.89	66.77	74.00	-7.23	Peak	
6	2486.6000	46.03	7.89	53.92	54.00	-0.08	AVG	

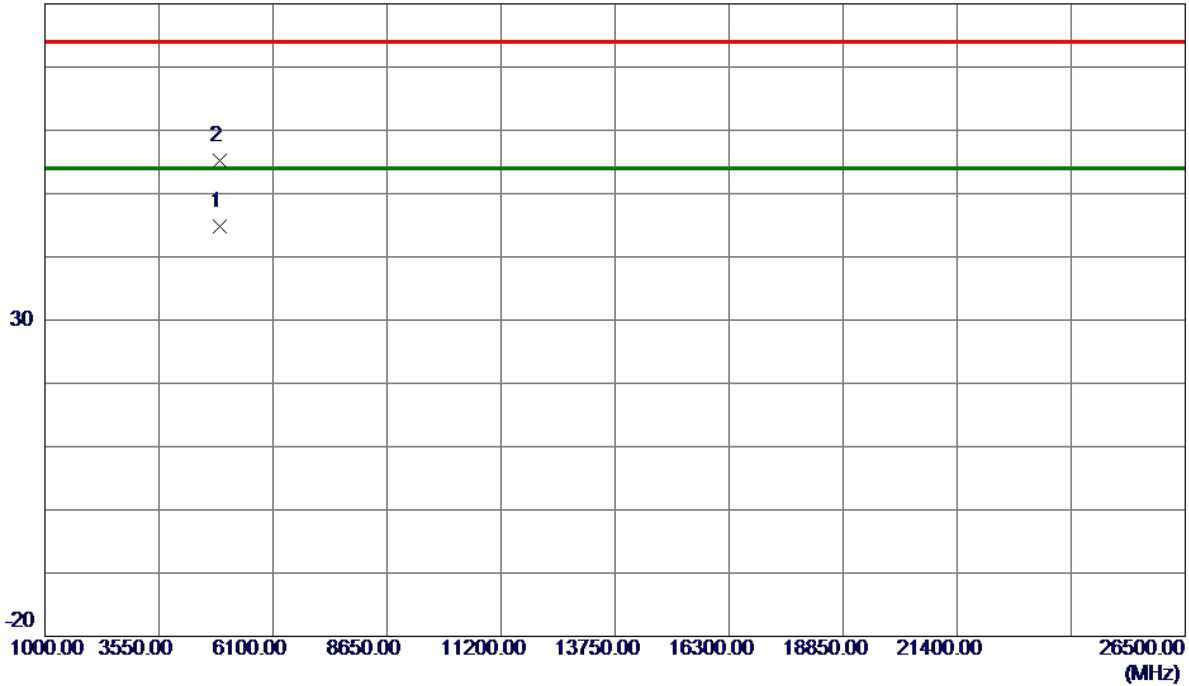
REMARKS:

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4899.0800	39.92	4.83	44.75	54.00	-9.25	AVG	
2	4900.6900	50.37	4.84	55.21	74.00	-18.79	Peak	

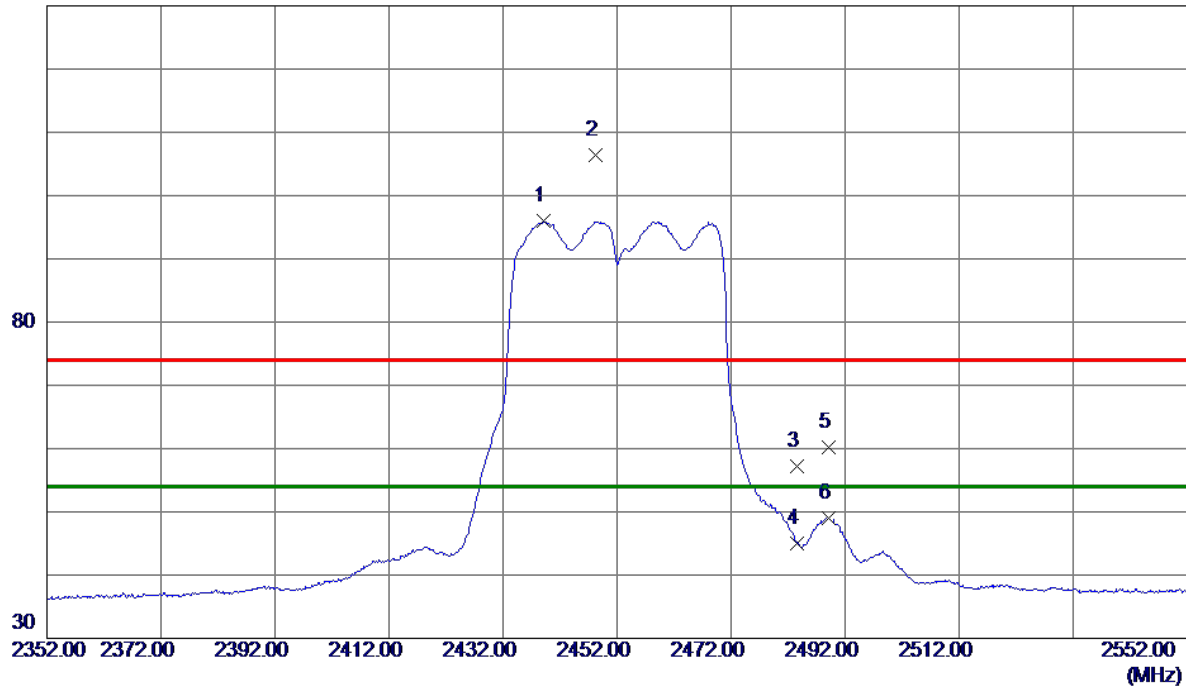
REMARKS:

- (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 *	2439.2000	88.24	7.73	95.97	54.00	41.97	AVG	No Limit
2	2448.3000	98.58	7.76	106.34	74.00	32.34	Peak	No Limit
3	2483.5000	49.30	7.88	57.18	74.00	-16.82	Peak	
4	2483.5000	37.09	7.88	44.97	54.00	-9.03	AVG	
5	2489.2000	52.24	7.89	60.13	74.00	-13.87	Peak	
6	2489.2000	41.12	7.89	49.01	54.00	-4.99	AVG	

REMARKS:

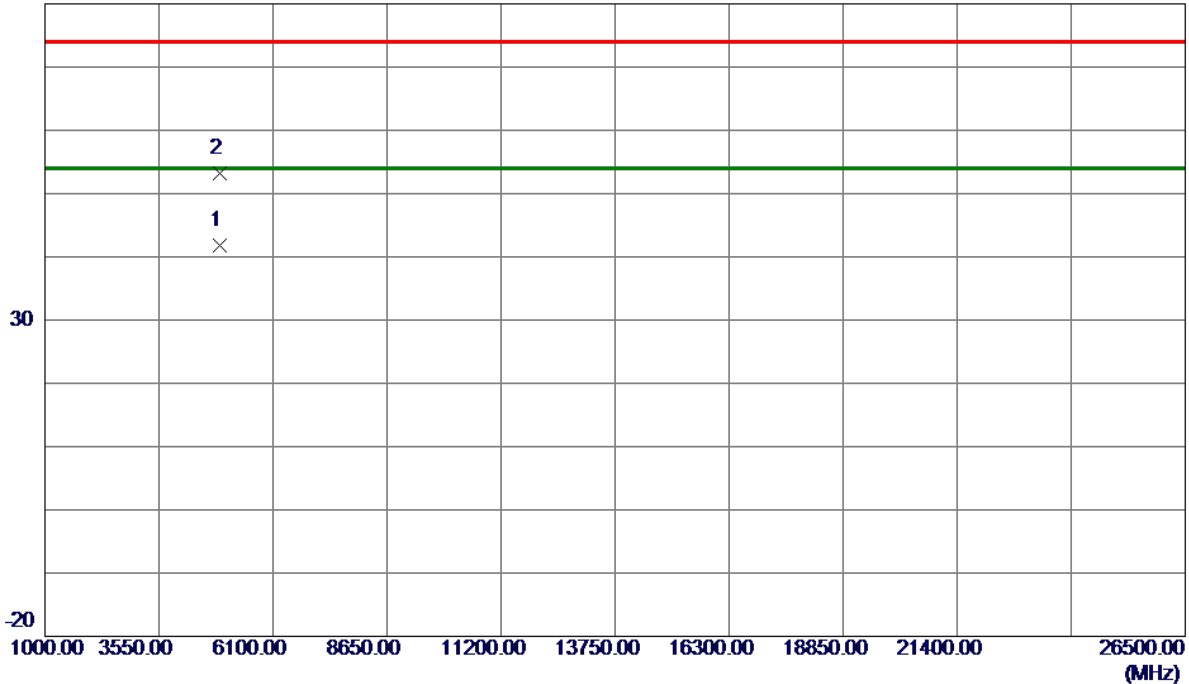
(1) Measurement Value = Reading Level + Correct Factor.

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

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

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4899.0800	36.92	4.83	41.75	54.00	-12.25	AVG	
2	4900.6900	48.37	4.84	53.21	74.00	-20.79	Peak	

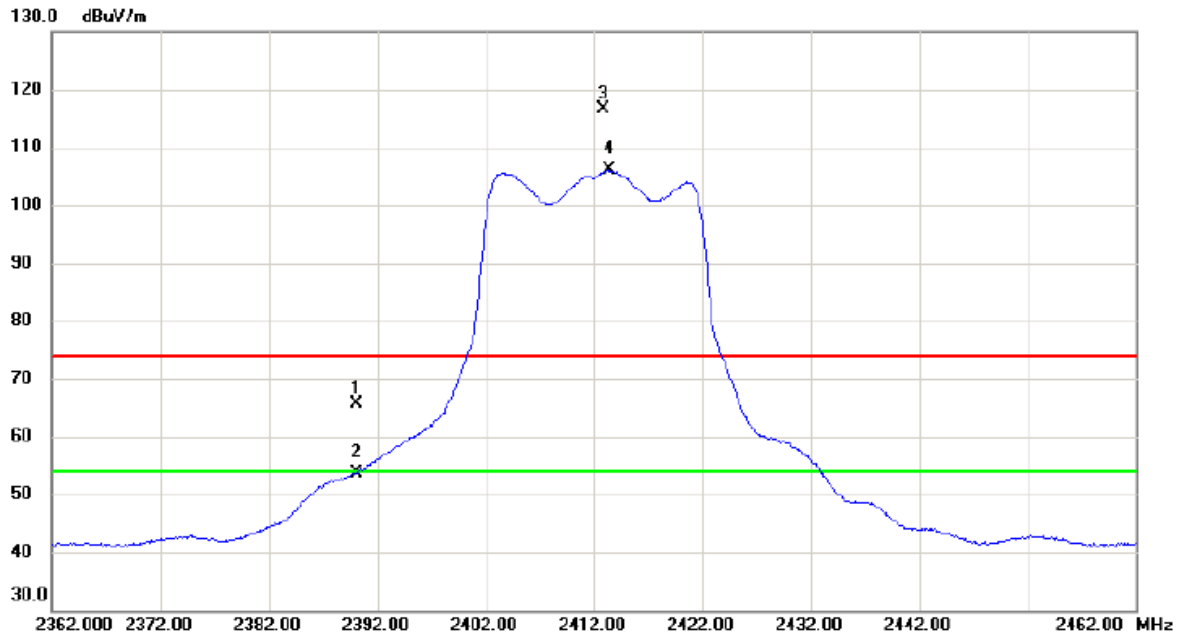
REMARKS:

(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		2390.000	58.15	7.57	65.72	74.00	-8.28	peak	
2		2390.000	46.10	7.57	53.67	54.00	-0.33	AVG	
3	X	2412.900	108.92	7.65	116.57	74.00	42.57	peak	No Limit
4	*	2413.350	98.45	7.65	106.10	54.00	52.10	AVG	No Limit

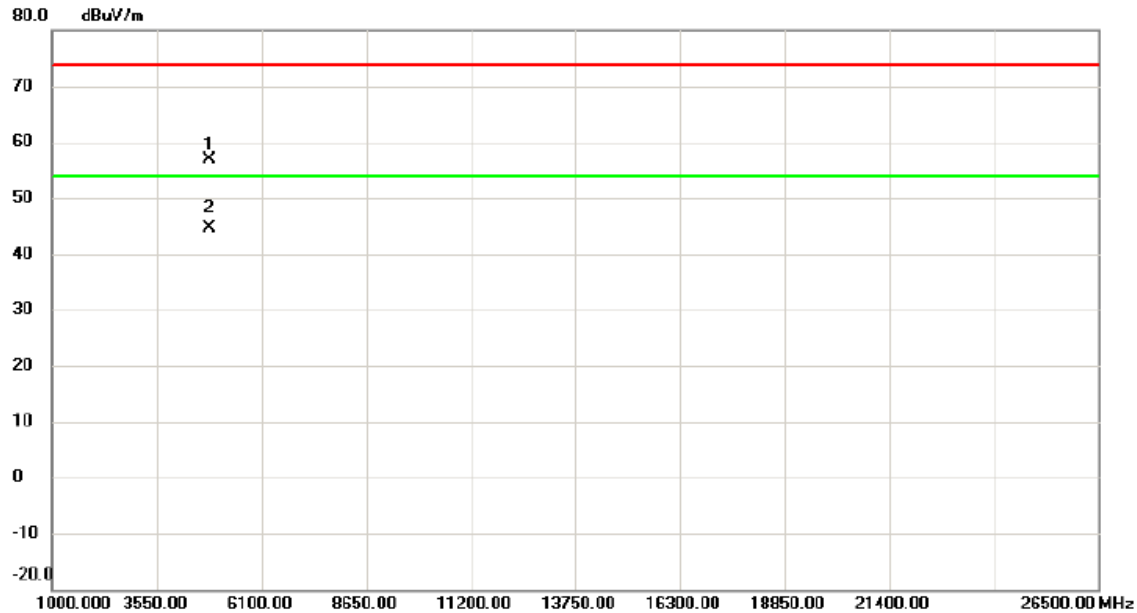
REMARKS:

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

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

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



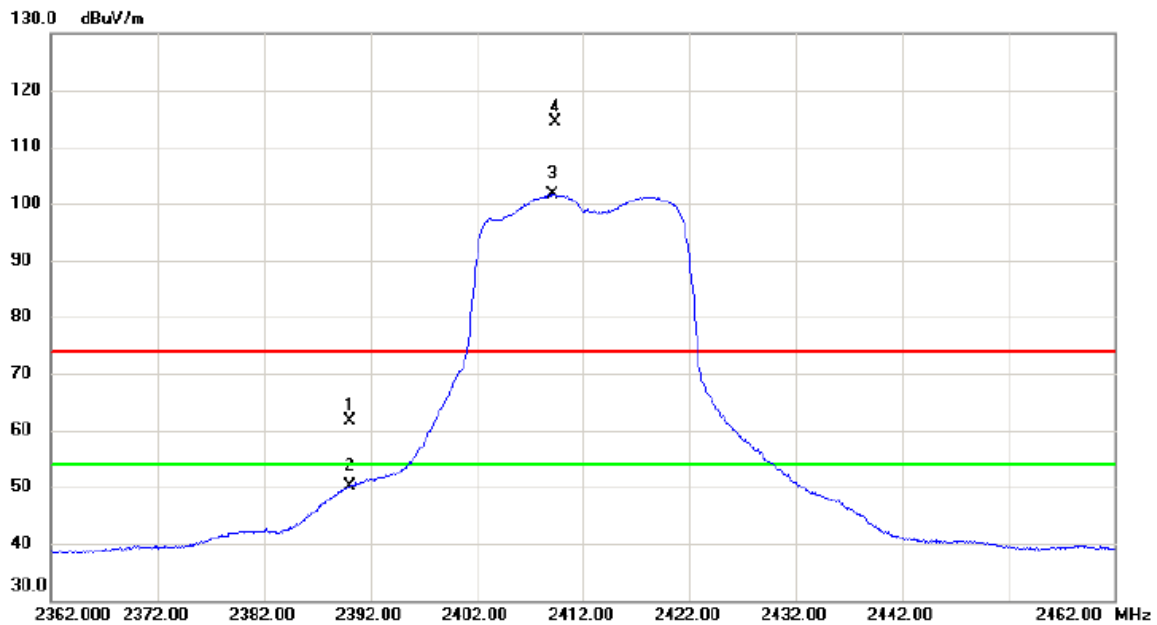
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4827.015	52.21	4.56	56.77	74.00	-17.23	peak	
2	*	4827.620	40.14	4.56	44.70	54.00	-9.30	AVG	

REMARKS:

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

Test Mode: TX AX-20M Mode 2412 MHz

Horizontal



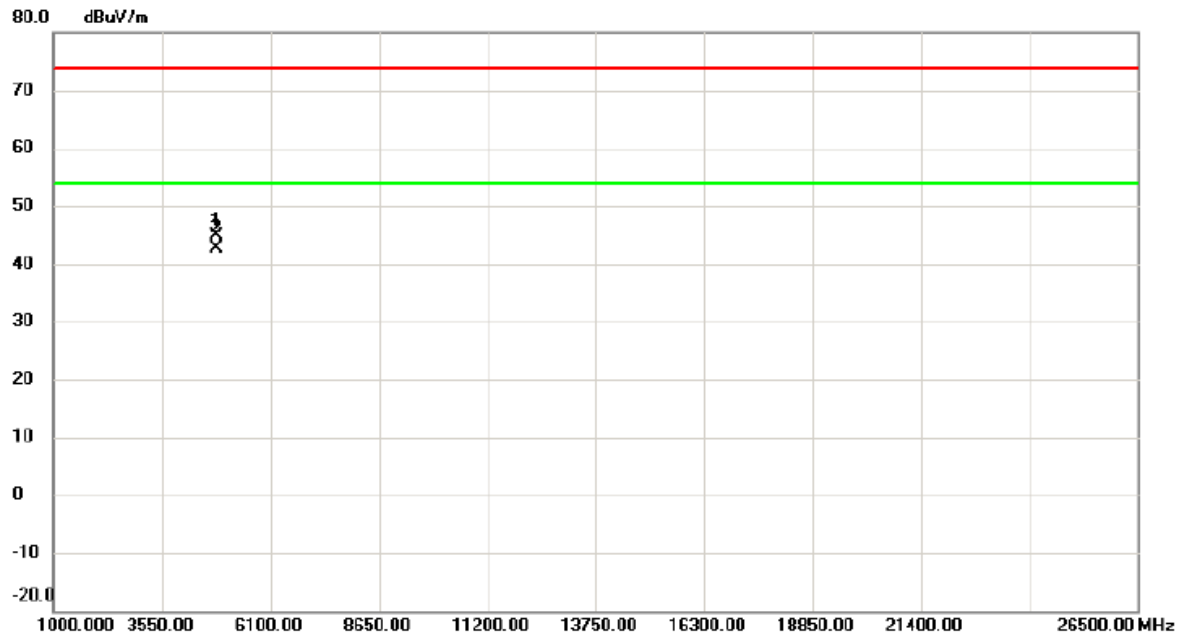
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		2390.000	54.10	7.57	61.67	74.00	-12.33	peak	
2		2390.000	42.61	7.57	50.18	54.00	-3.82	AVG	
3	*	2409.200	93.99	7.62	101.61	54.00	47.61	AVG	No Limit
4	X	2409.400	106.66	7.62	114.28	74.00	40.28	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
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Horizontal



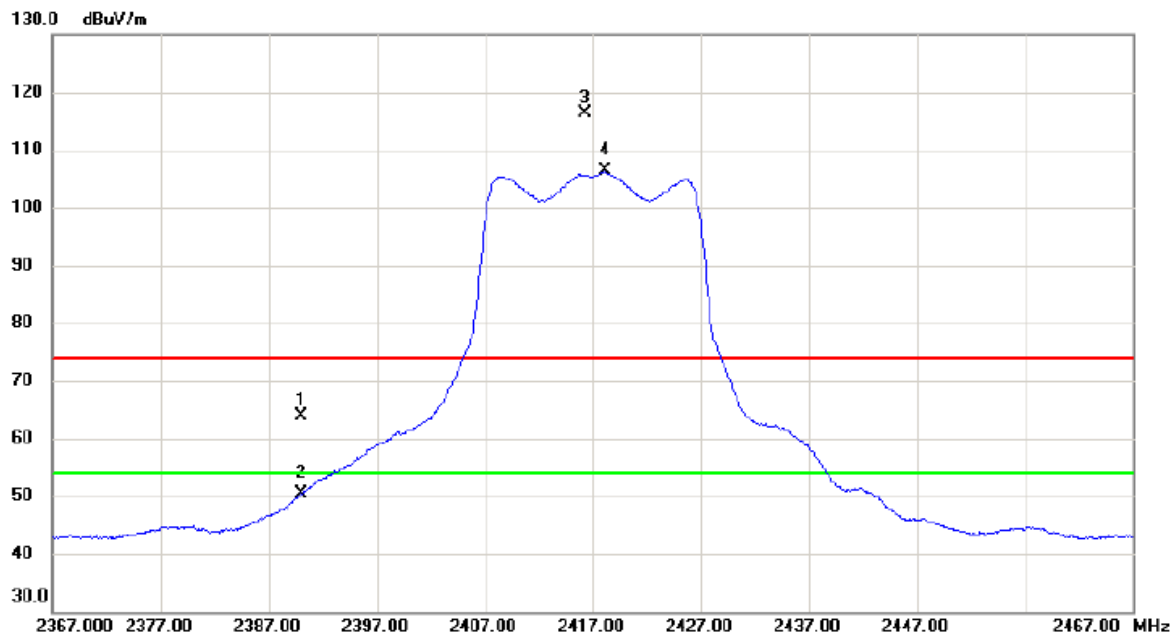
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4827.015	40.21	4.56	44.77	74.00	-29.23	peak	
2	*	4827.620	38.14	4.56	42.70	54.00	-11.30	AVG	

REMARKS:

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

Test Mode: TX AX-20M Mode 2417 MHz

Vertical



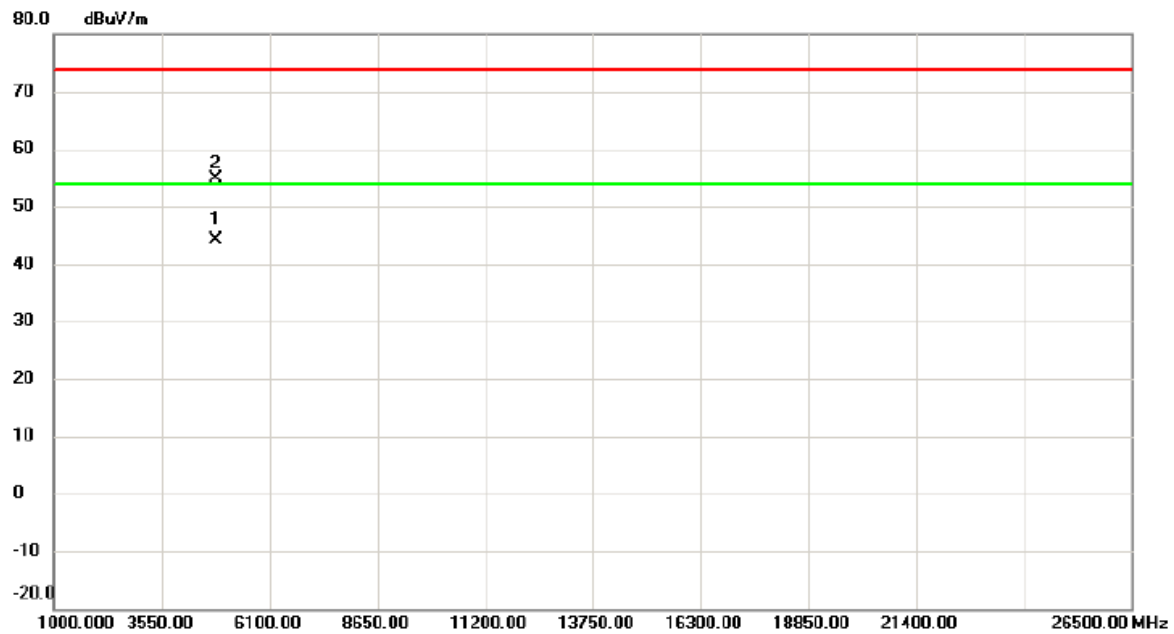
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	56.20	7.57	63.77	74.00	-10.23	peak	
2		2390.000	42.93	7.57	50.50	54.00	-3.50	AVG	
3	X	2416.250	108.71	7.66	116.37	74.00	42.37	peak	No Limit
4	*	2418.150	98.61	7.66	106.27	54.00	52.27	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
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Vertical



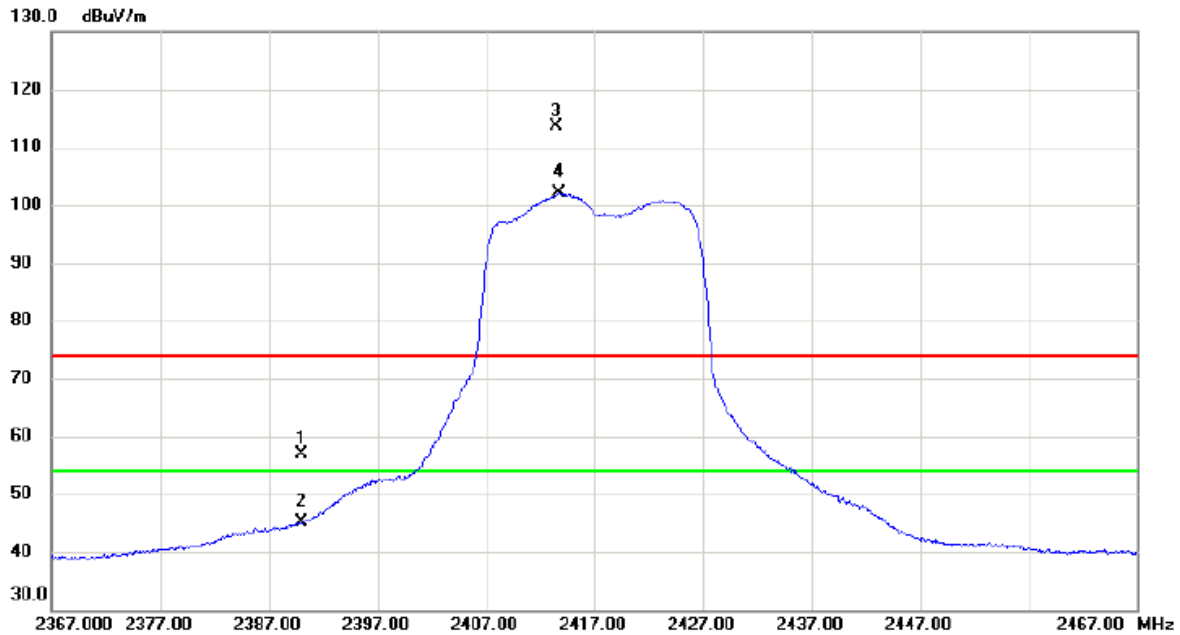
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4837.275	39.45	4.60	44.05	54.00	-9.95	AVG	
2		4838.160	50.22	4.60	54.82	74.00	-19.18	peak	

REMARKS:

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

Test Mode: TX AX-20M Mode 2417MHz

Horizontal



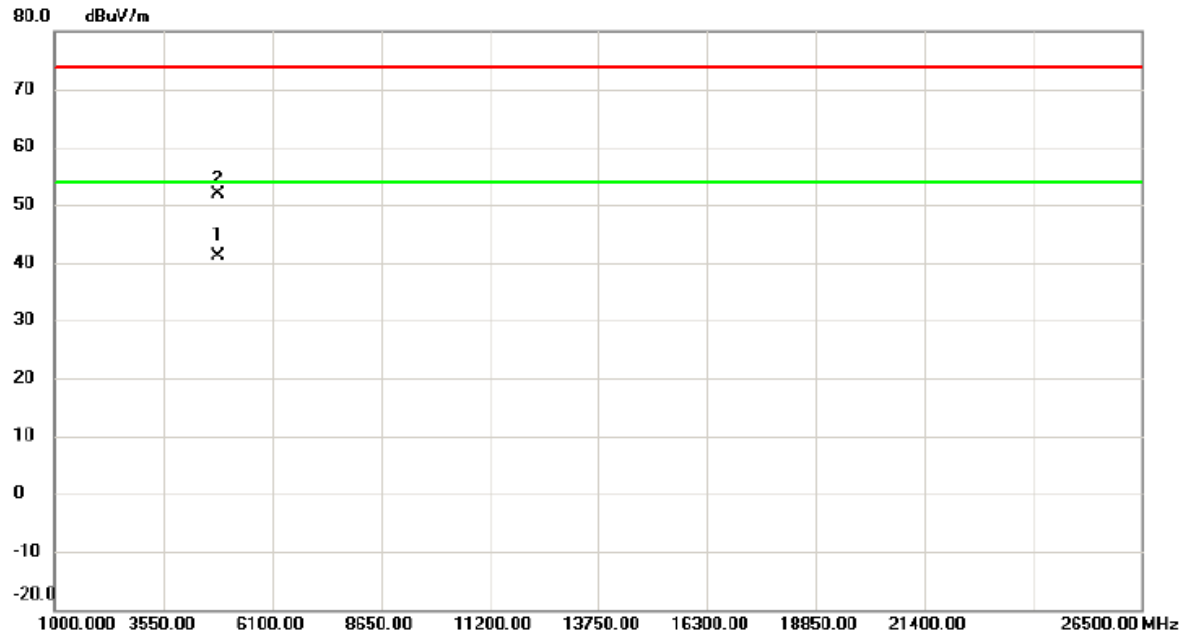
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	49.34	7.57	56.91	74.00	-17.09	peak	
2		2390.000	37.44	7.57	45.01	54.00	-8.99	AVG	
3	X	2413.500	105.87	7.65	113.52	74.00	39.52	peak	No Limit
4	*	2413.700	94.39	7.65	102.04	54.00	48.04	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
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Horizontal



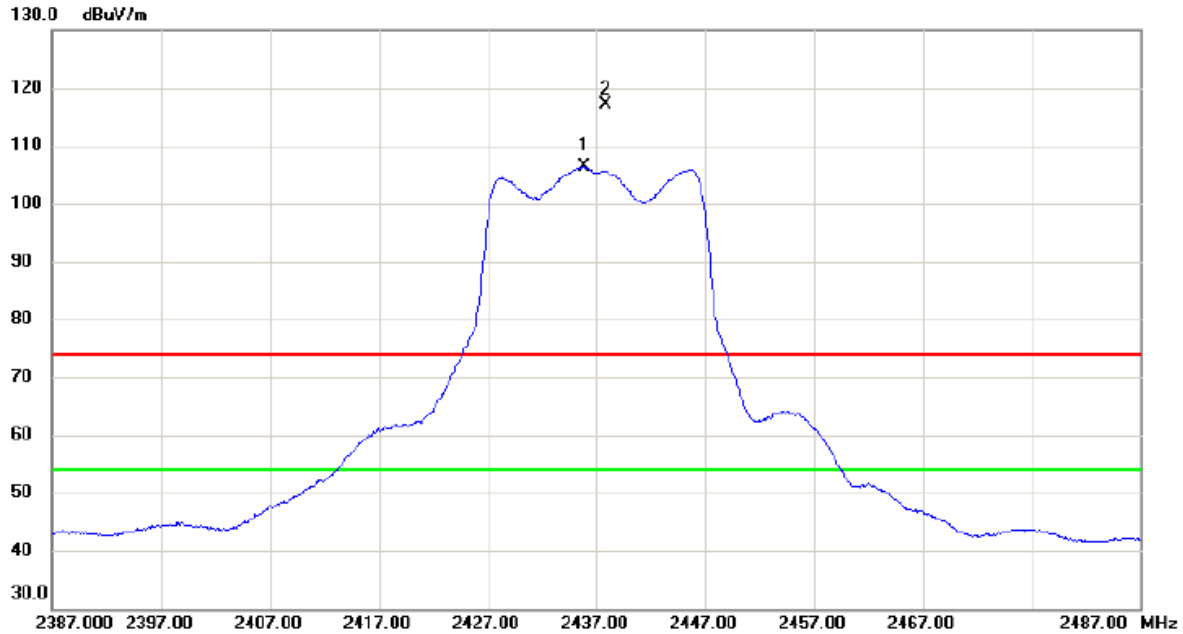
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4837.275	36.45	4.60	41.05	54.00	-12.95	AVG	
2		4838.160	47.22	4.60	51.82	74.00	-22.18	peak	

REMARKS:

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

Test Mode: TX AX-20M Mode 2437 MHz

Vertical



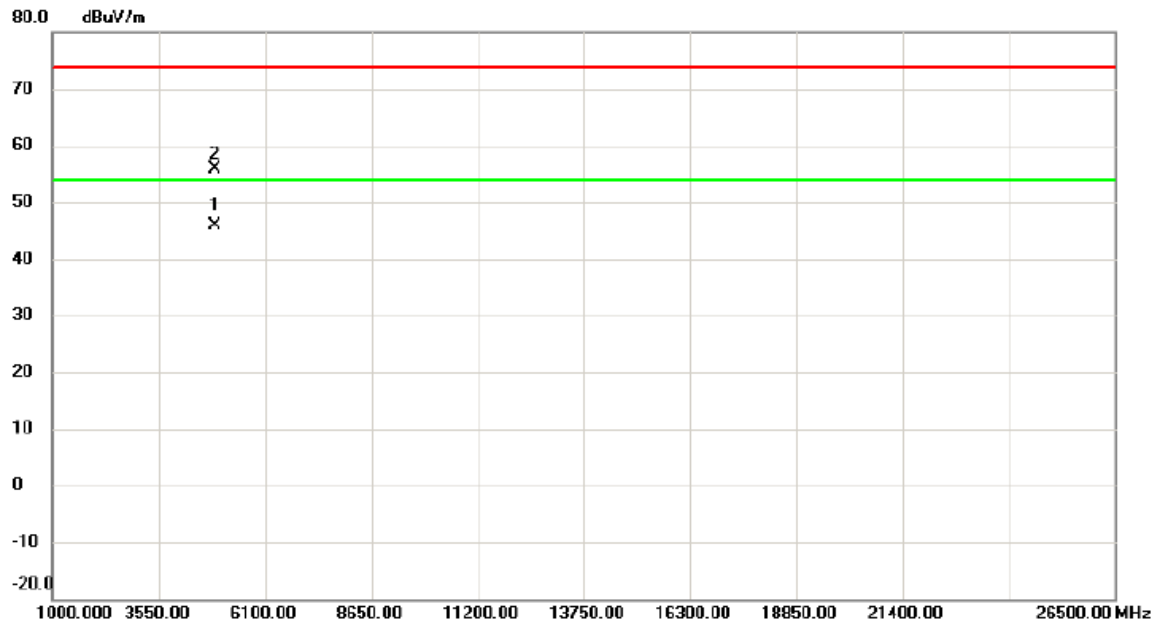
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2435.850	98.62	7.71	106.33	54.00	52.33	AVG	No Limit
2	X	2437.900	109.45	7.73	117.18	74.00	43.18	peak	No Limit

REMARKS:

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

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



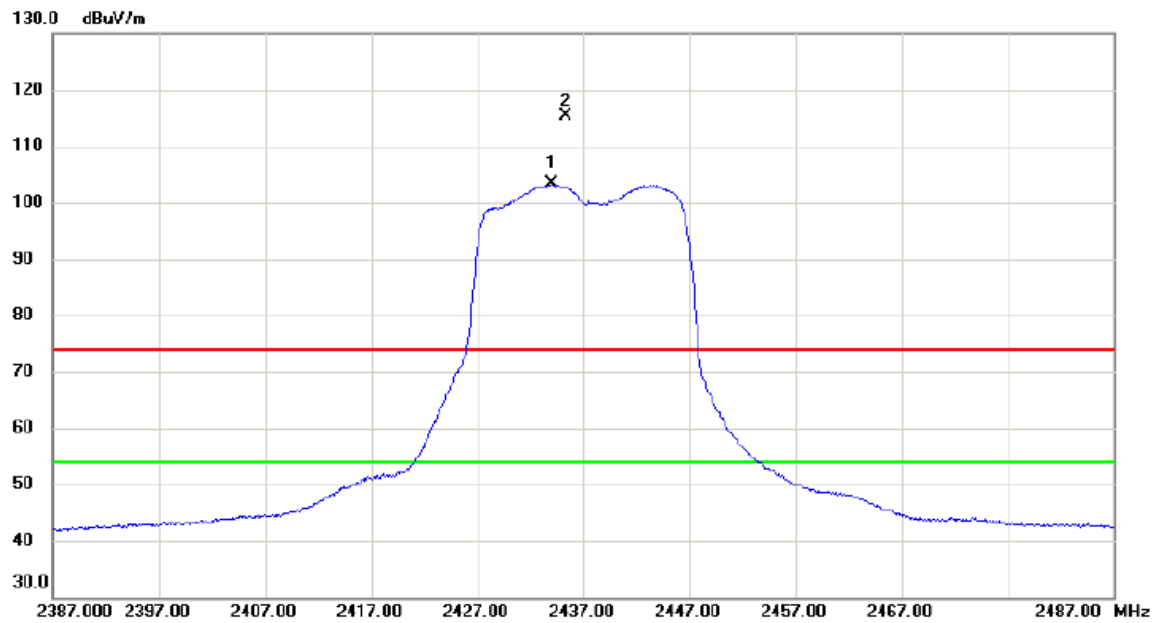
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4877.210	41.08	4.74	45.82	54.00	-8.18	AVG	
2		4879.000	51.05	4.75	55.80	74.00	-18.20	peak	

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.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2433.950	95.66	7.70	103.36	54.00	49.36	AVG	No Limit
2	X	2435.300	107.57	7.71	115.28	74.00	41.28	peak	No Limit

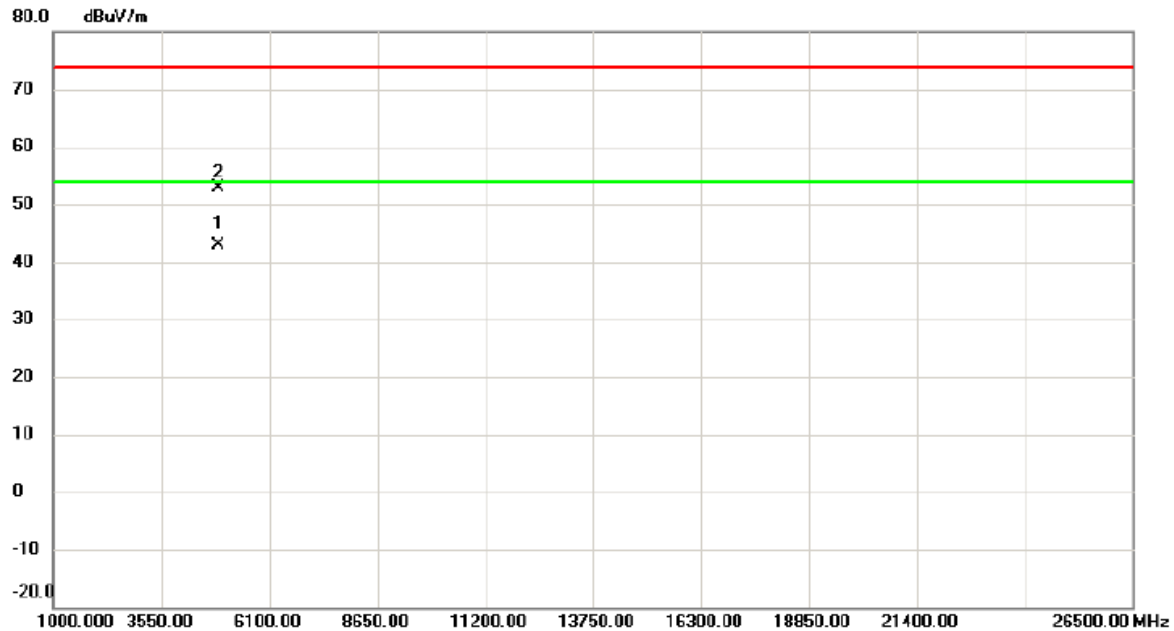
REMARKS:

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

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

Test Mode:	TX AX-20M Mode 2437 MHz
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Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4877.210	38.08	4.74	42.82	54.00	-11.18	AVG	
2		4879.000	48.05	4.75	52.80	74.00	-21.20	peak	

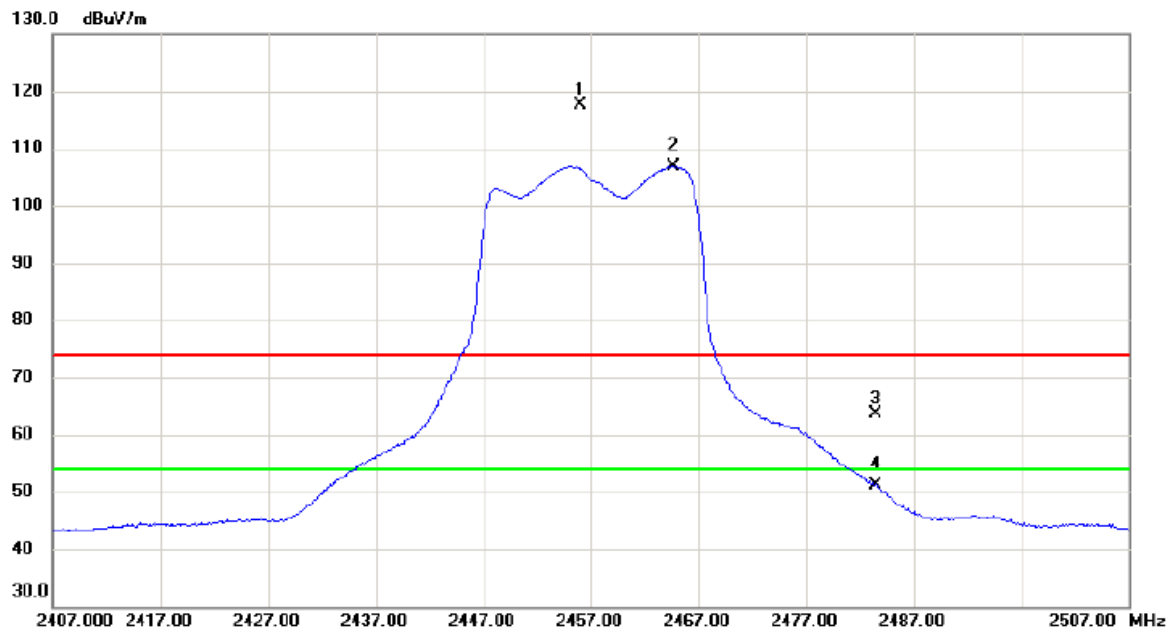
REMARKS:

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

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

Test Mode: TX AX-20M Mode 2457 MHz

Vertical



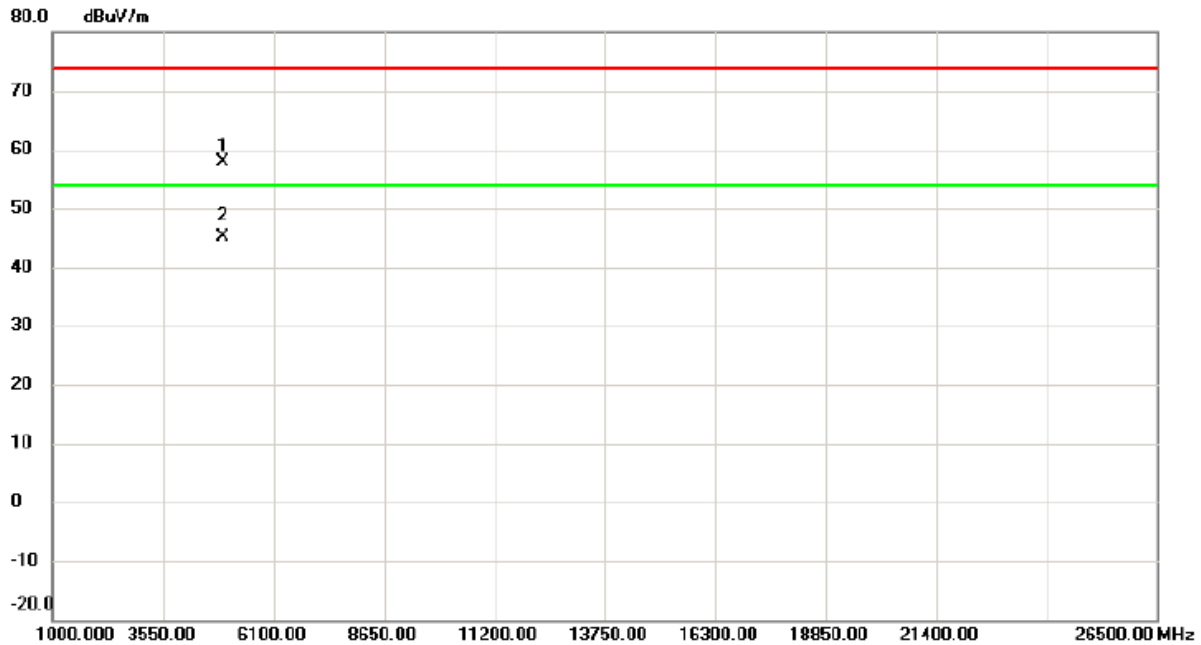
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2456.050	109.81	7.78	117.59	74.00	43.59	peak	No Limit
2	*	2464.650	99.03	7.81	106.84	54.00	52.84	AVG	No Limit
3		2483.500	55.64	7.87	63.51	74.00	-10.49	peak	
4		2483.500	43.22	7.87	51.09	54.00	-2.91	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



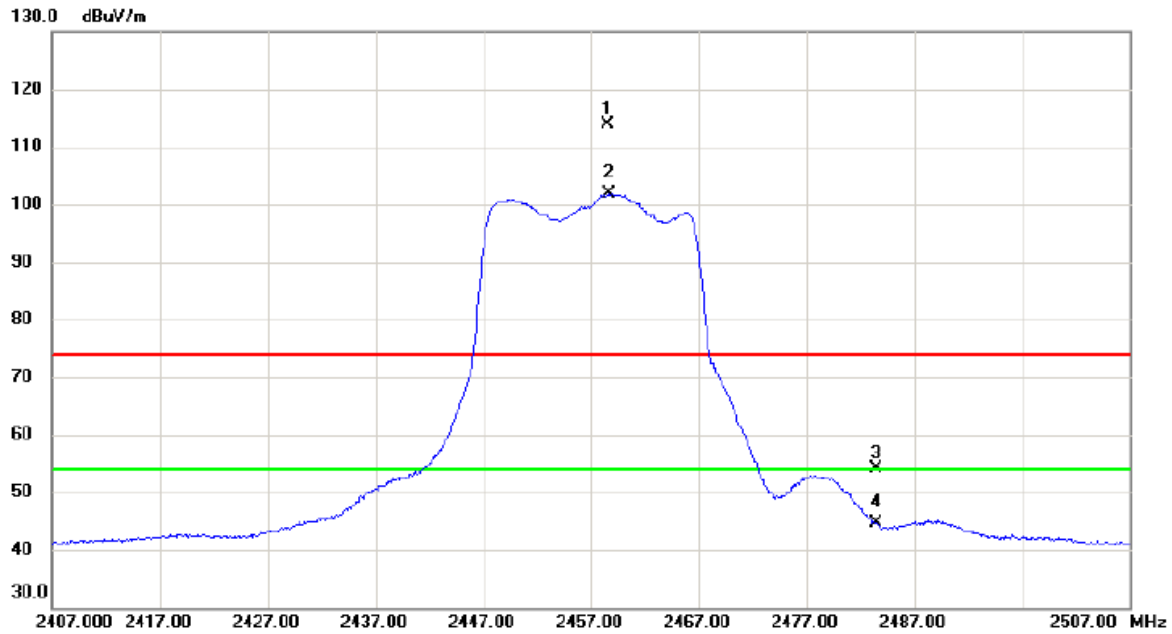
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4917.510	52.92	4.90	57.82	74.00	-16.18	peak	
2	*	4917.735	40.33	4.90	45.23	54.00	-8.77	AVG	

REMARKS:

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

Test Mode: TX AX-20M Mode 2457MHz

Horizontal



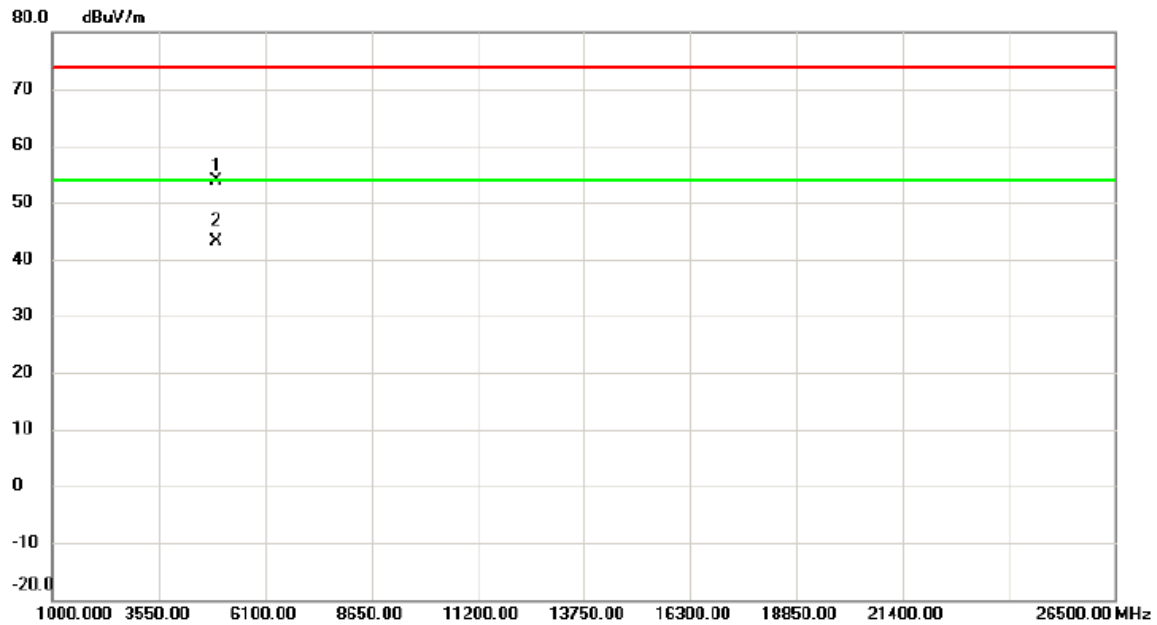
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2458.550	106.20	7.79	113.99	74.00	39.99	peak	No Limit
2	*	2458.700	94.02	7.79	101.81	54.00	47.81	AVG	No Limit
3		2483.500	46.35	7.87	54.22	74.00	-19.78	peak	
4		2483.500	36.67	7.87	44.54	54.00	-9.46	AVG	

REMARKS:

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

Test Mode:	TX AX-20M Mode 2457 MHz
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Horizontal



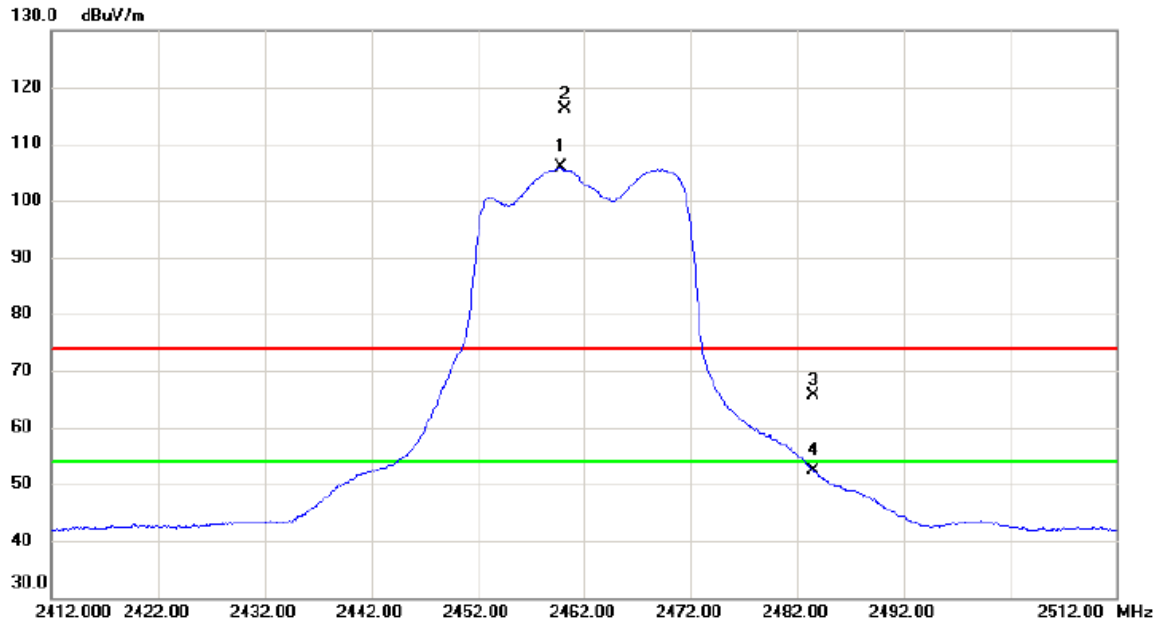
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4917.510	48.92	4.90	53.82	74.00	-20.18	peak	
2	*	4917.735	38.33	4.90	43.23	54.00	-10.77	AVG	

REMARKS:

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

Test Mode: TX AX-20M Mode 2462 MHz

Vertical



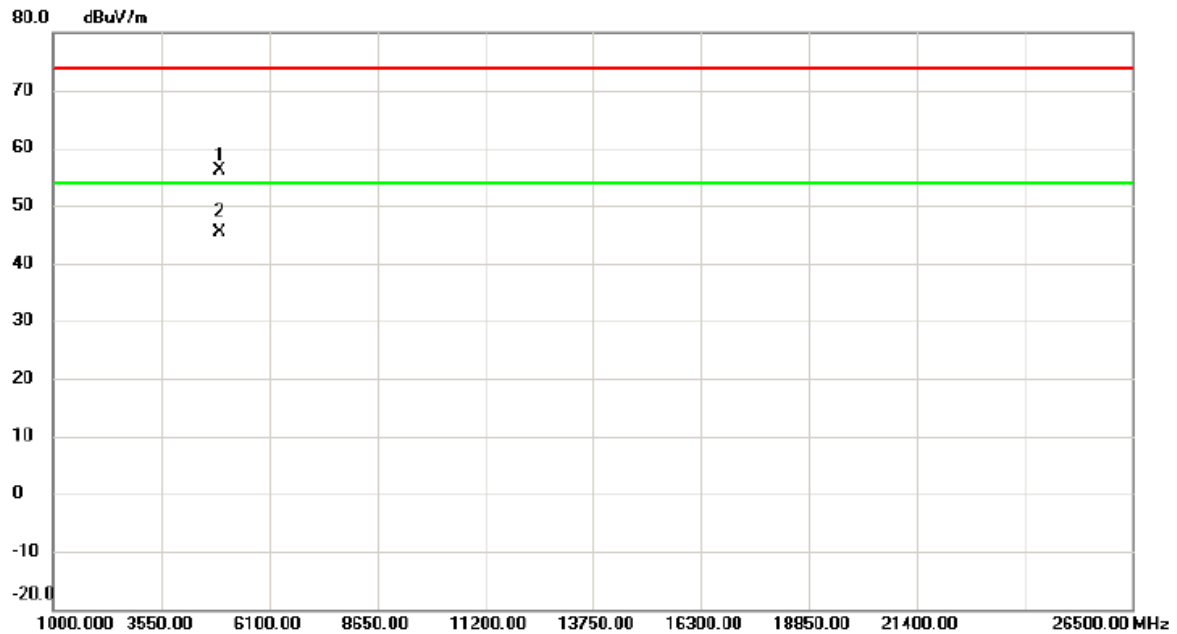
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2459.800	98.03	7.79	105.82	54.00	51.82	AVG	No Limit
2	X	2460.150	108.32	7.79	116.11	74.00	42.11	peak	No Limit
3		2483.500	57.81	7.87	65.68	74.00	-8.32	peak	
4		2483.500	44.51	7.87	52.38	54.00	-1.62	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



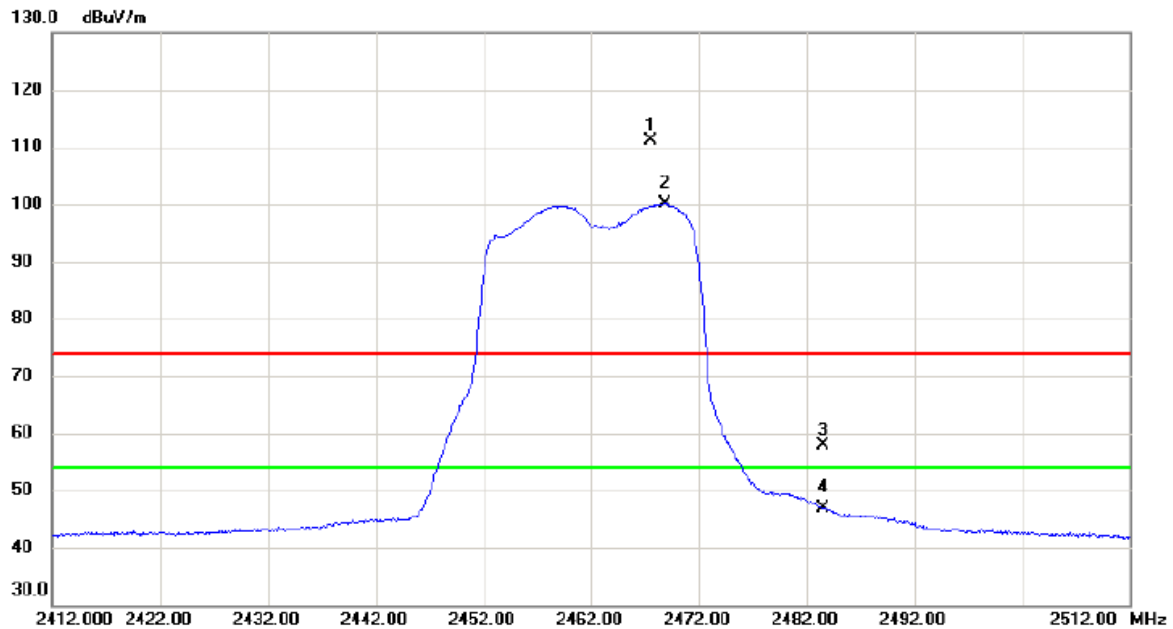
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4918.150	51.17	4.90	56.07	74.00	-17.93	peak	
2	*	4918.470	40.55	4.90	45.45	54.00	-8.55	AVG	

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	X	2467.600	103.36	7.83	111.19	74.00	37.19	peak	No Limit
2	*	2468.800	92.32	7.83	100.15	54.00	46.15	AVG	No Limit
3		2483.500	50.11	7.87	57.98	74.00	-16.02	peak	
4		2483.500	39.06	7.87	46.93	54.00	-7.07	AVG	

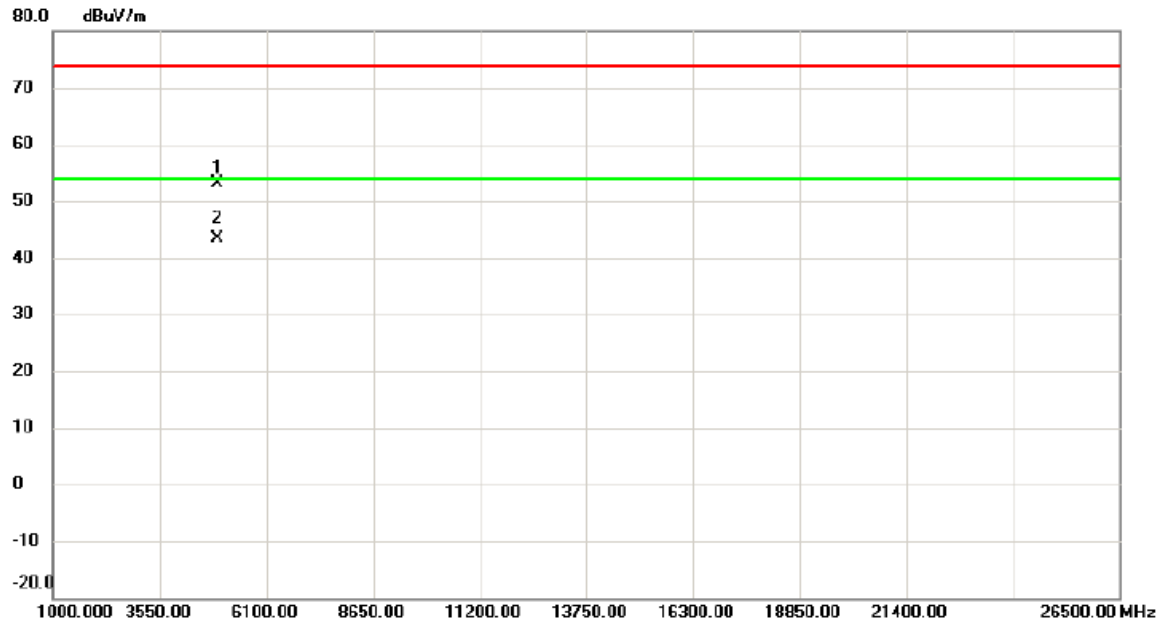
REMARKS:

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

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

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



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4918.150	48.17	4.90	53.07	74.00	-20.93	peak	
2	*	4918.470	38.55	4.90	43.45	54.00	-10.55	AVG	

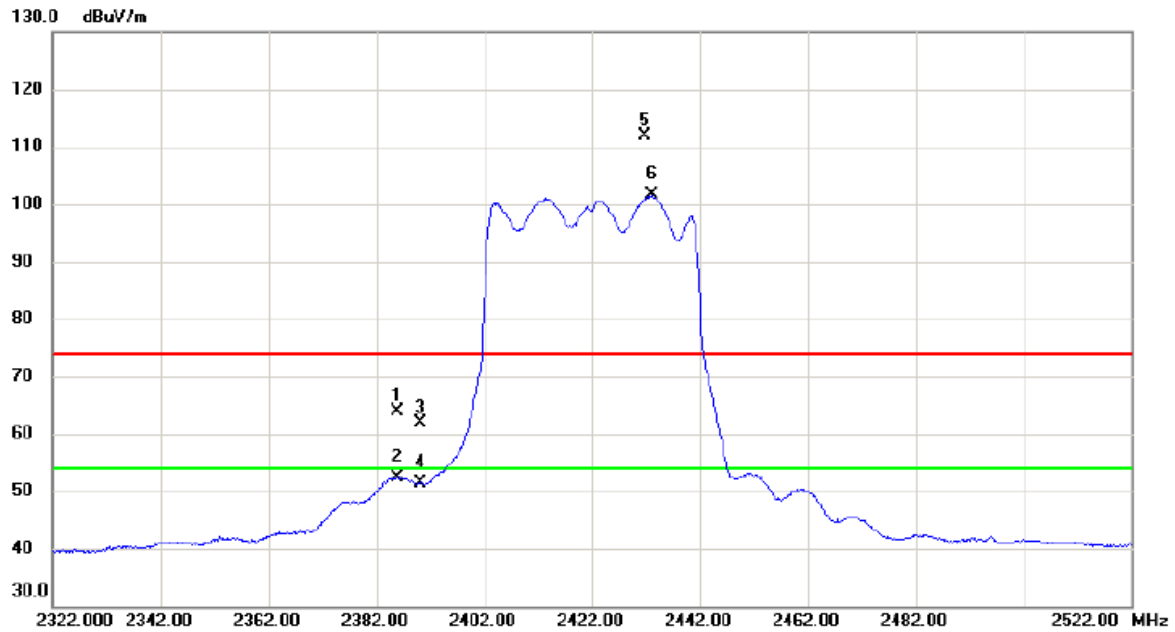
REMARKS:

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

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

Test Mode: TX AX-40M Mode 2422MHz

Vertical



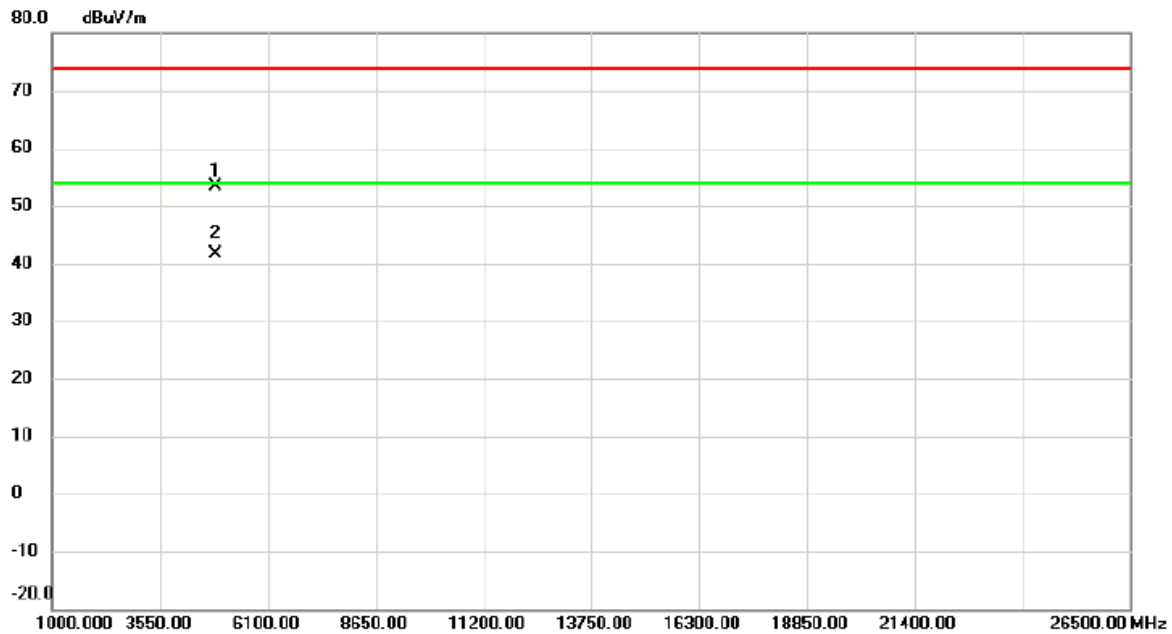
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2385.800	56.35	7.55	63.90	74.00	-10.10	peak	
2		2385.800	44.81	7.55	52.36	54.00	-1.64	AVG	
3		2390.000	54.31	7.57	61.88	74.00	-12.12	peak	
4		2390.000	43.91	7.57	51.48	54.00	-2.52	AVG	
5	X	2431.800	104.17	7.70	111.87	74.00	37.87	peak	No Limit
6	*	2433.100	93.83	7.70	101.53	54.00	47.53	AVG	No Limit

REMARKS:

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

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



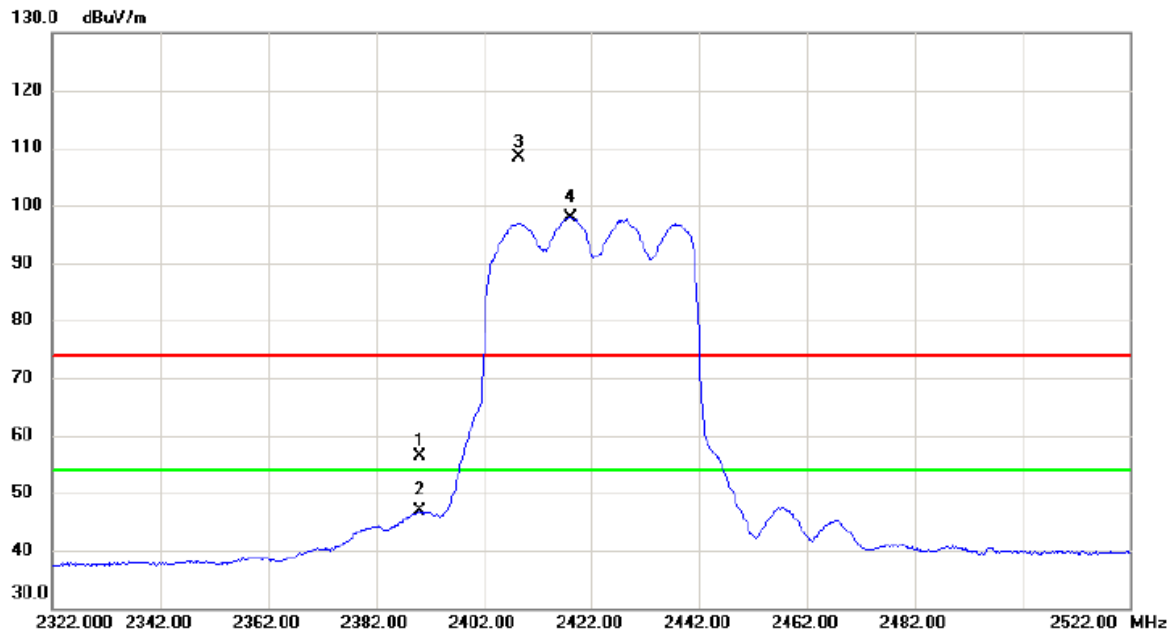
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4847.275	48.85	4.64	53.49	74.00	-20.51	peak	
2	*	4847.425	36.94	4.64	41.58	54.00	-12.42	AVG	

REMARKS:

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

Test Mode: TX AX-40M Mode 2422MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	48.77	7.57	56.34	74.00	-17.66	peak	
2		2390.000	39.20	7.57	46.77	54.00	-7.23	AVG	
3	X	2408.400	100.73	7.62	108.35	74.00	34.35	peak	No Limit
4	*	2418.200	90.22	7.66	97.88	54.00	43.88	AVG	No Limit

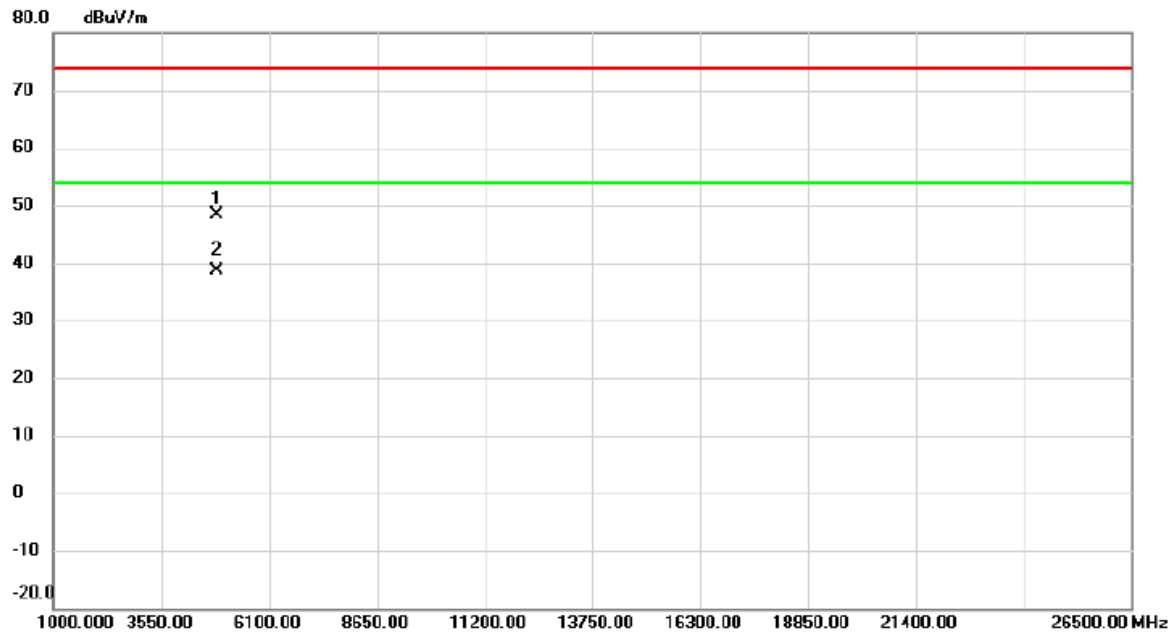
REMARKS:

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

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

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



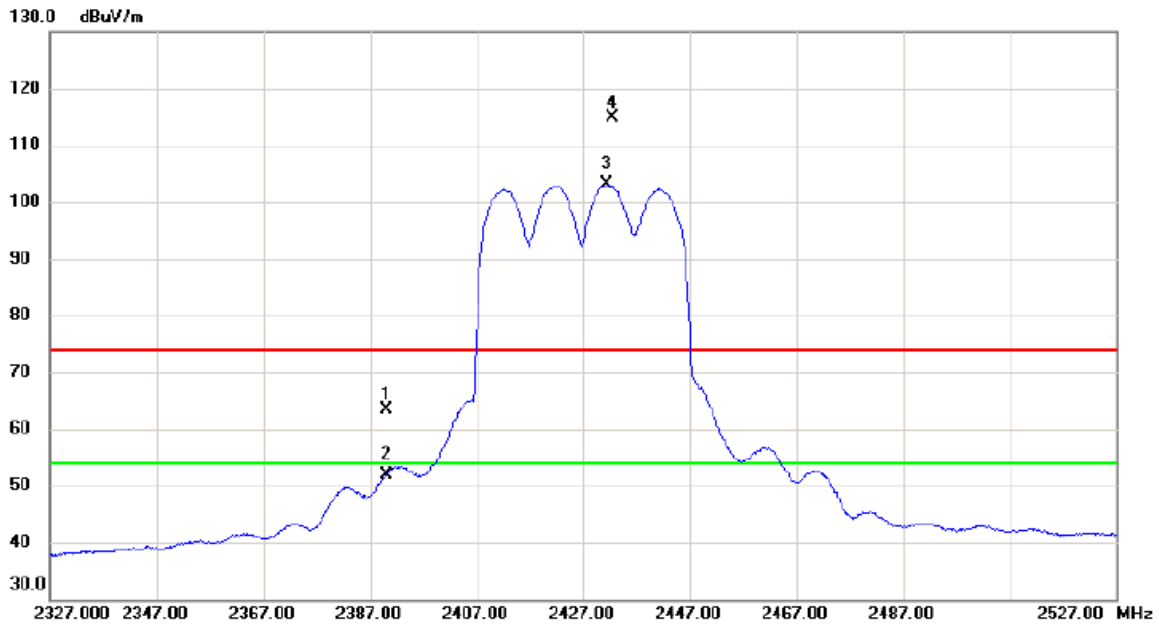
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4847.275	43.85	4.64	48.49	74.00	-25.51	peak	
2	*	4847.425	33.94	4.64	38.58	54.00	-15.42	AVG	

REMARKS:

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

Test Mode: TX AX-40M Mode 2427MHz

Vertical



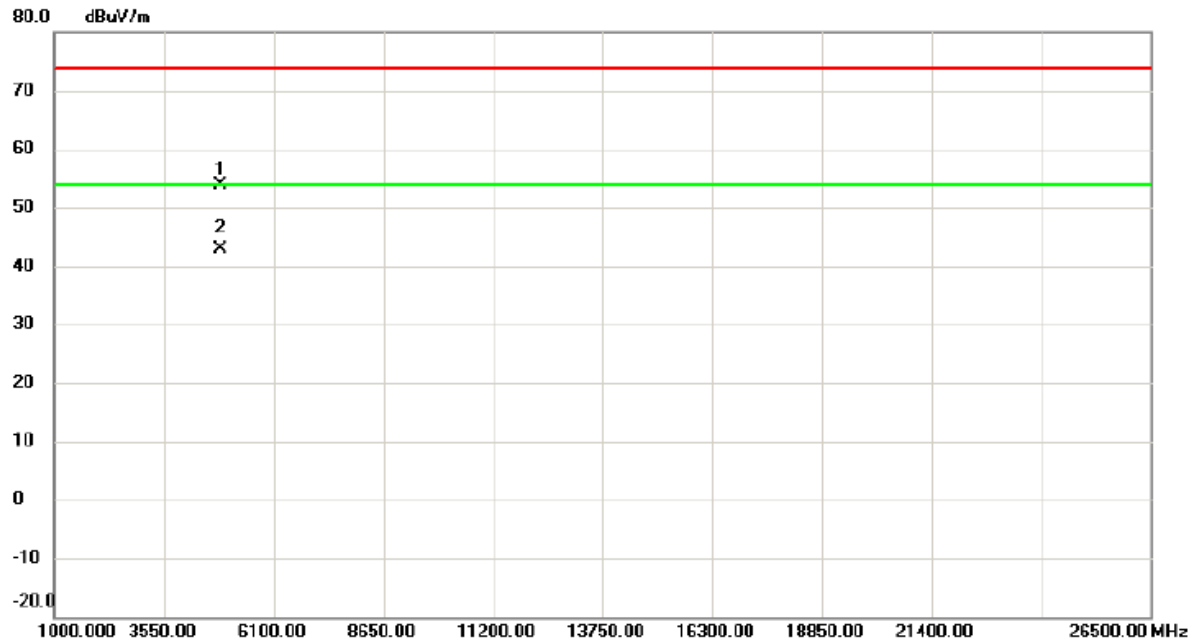
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	55.71	7.57	63.28	74.00	-10.72	peak	
2		2390.000	44.31	7.57	51.88	54.00	-2.12	AVG	
3	*	2431.500	95.39	7.70	103.09	54.00	49.09	AVG	No Limit
4	X	2432.400	107.06	7.70	114.76	74.00	40.76	peak	No Limit

REMARKS:

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

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



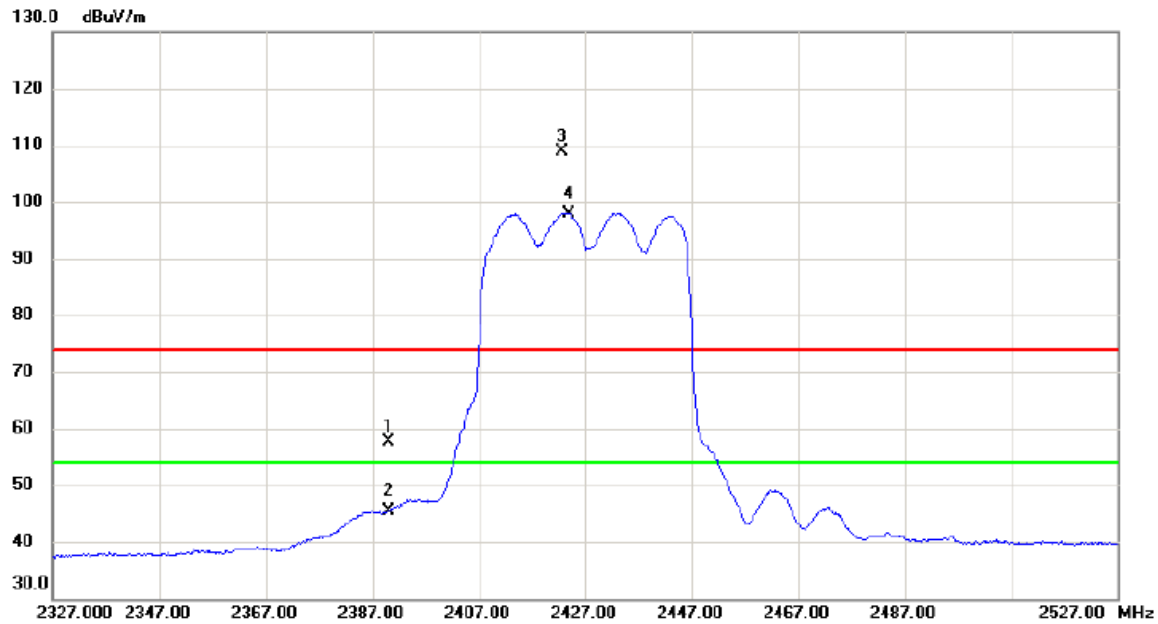
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4857.705	49.14	4.67	53.81	74.00	-20.19	peak	
2	*	4857.880	38.24	4.67	42.91	54.00	-11.09	AVG	

REMARKS:

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

Test Mode: TX AX-40M Mode 2427MHz

Horizontal



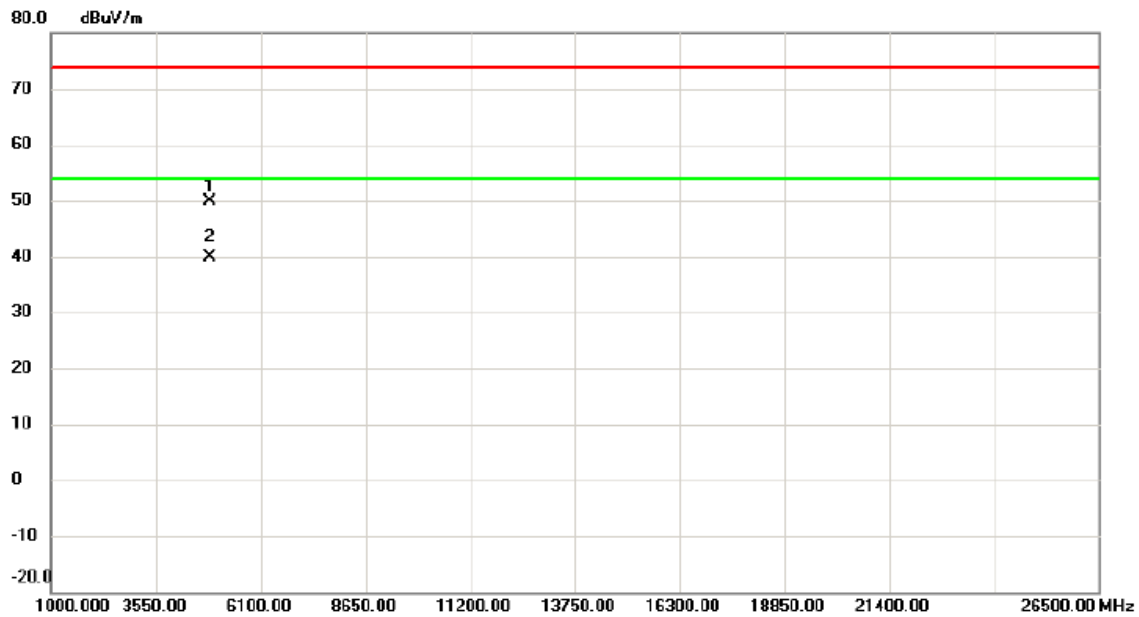
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	49.98	7.57	57.55	74.00	-16.45	peak	
2		2390.000	37.84	7.57	45.41	54.00	-8.59	AVG	
3	X	2422.700	101.15	7.67	108.82	74.00	34.82	peak	No Limit
4	*	2423.800	90.29	7.68	97.97	54.00	43.97	AVG	No Limit

REMARKS:

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

Test Mode: TX AX-40M Mode 2427MHz

Horizontal



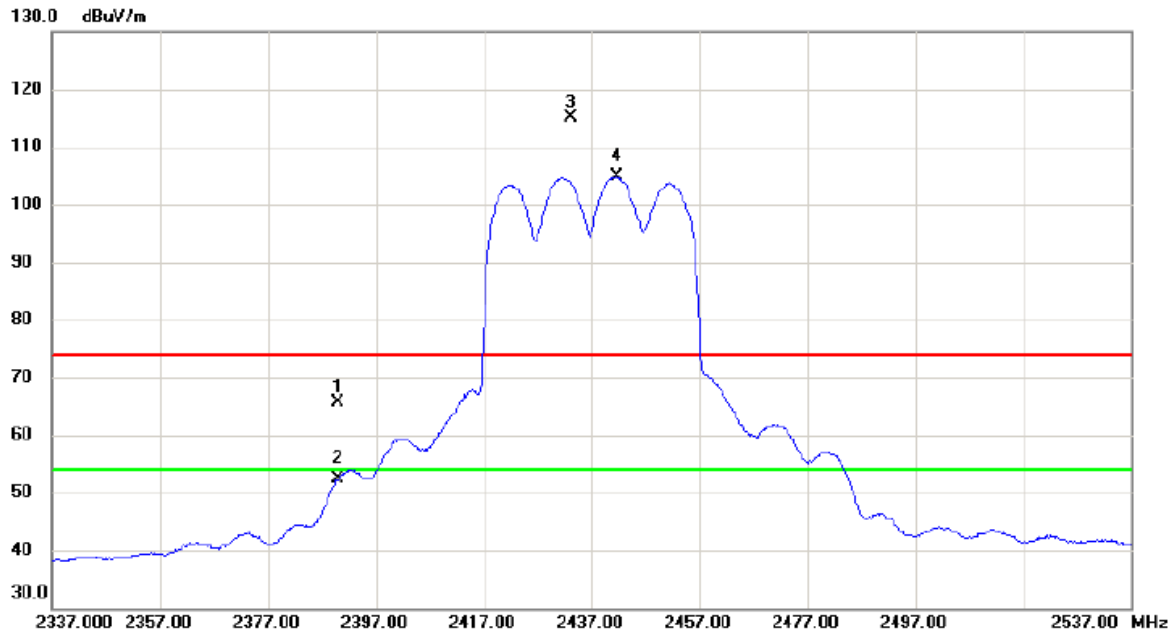
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4857.705	45.14	4.67	49.81	74.00	-24.19	peak	
2	*	4857.880	35.24	4.67	39.91	54.00	-14.09	AVG	

REMARKS:

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

Test Mode: TX AX-40M Mode 2437 MHz

Vertical



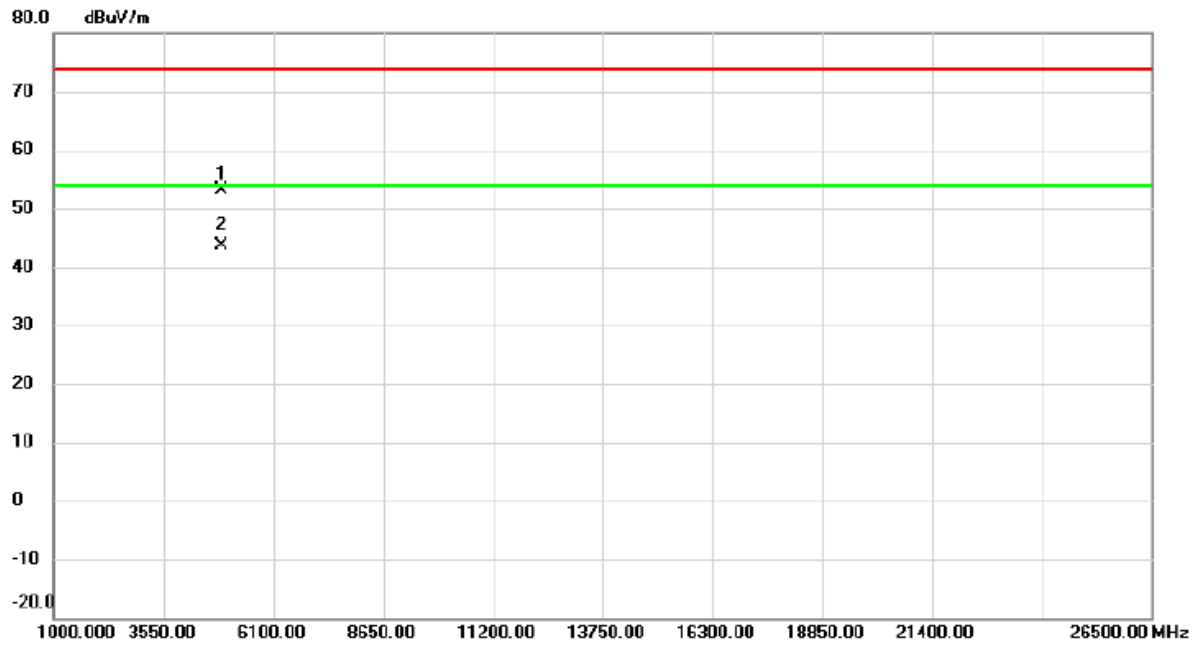
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	58.06	7.57	65.63	74.00	-8.37	peak	
2		2390.000	44.70	7.57	52.27	54.00	-1.73	AVG	
3	X	2433.100	107.37	7.70	115.07	74.00	41.07	peak	No Limit
4	*	2441.600	97.04	7.74	104.78	54.00	50.78	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
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Vertical



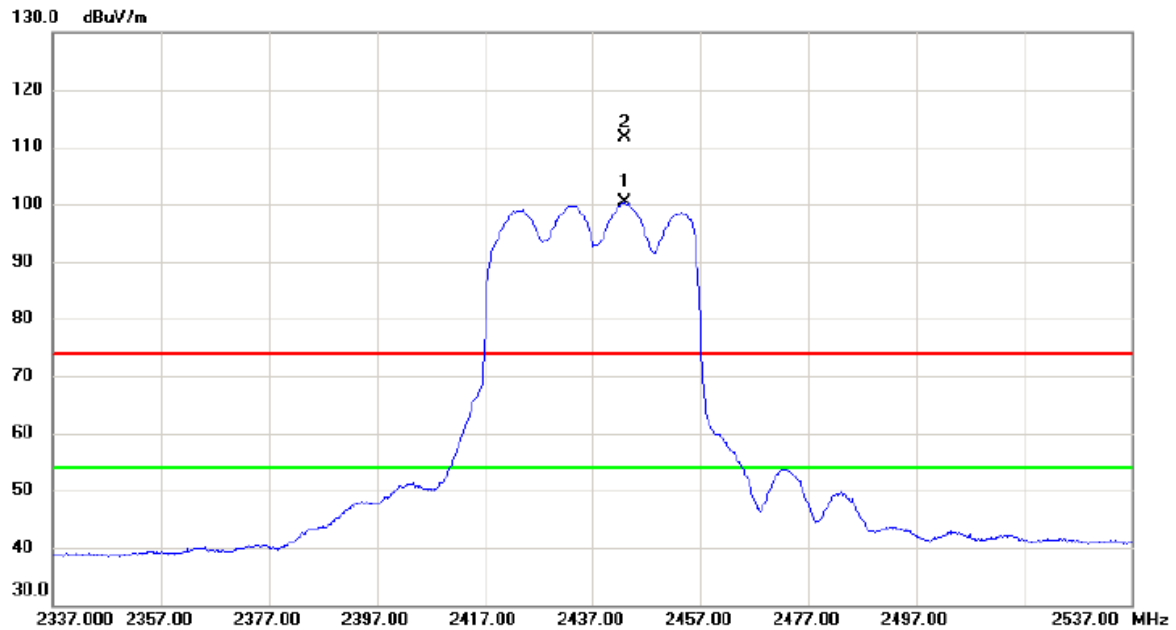
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4877.715	48.44	4.74	53.18	74.00	-20.82	peak	
2	*	4878.155	38.77	4.75	43.52	54.00	-10.48	AVG	

REMARKS:

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

Test Mode: TX AX-40M Mode 2437 MHz

Horizontal



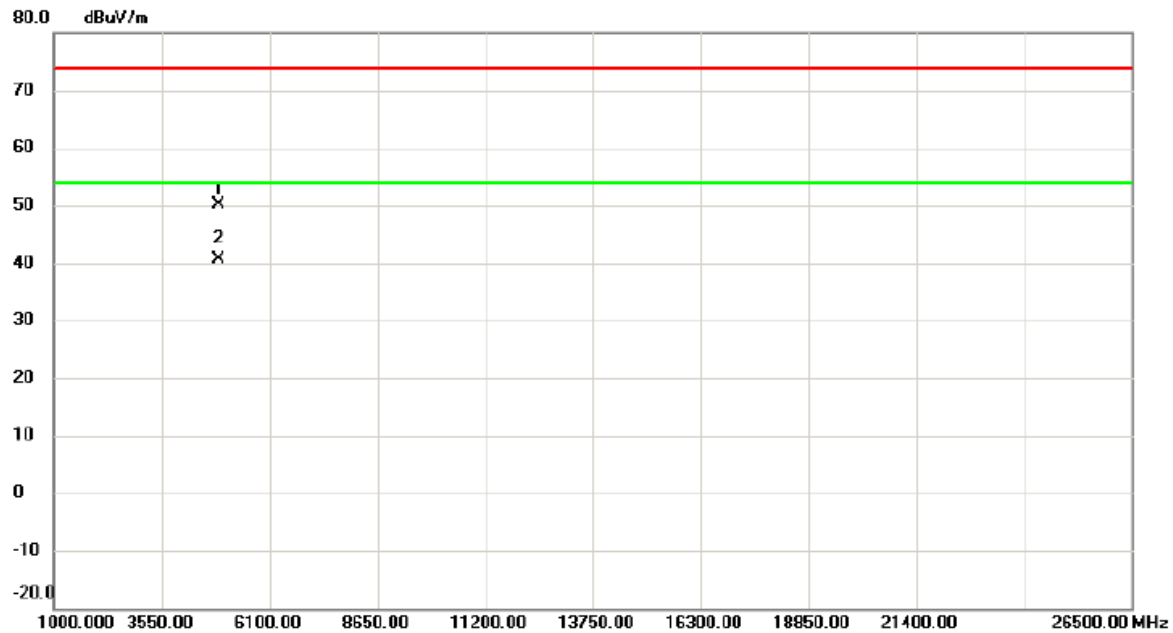
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2442.900	92.58	7.74	100.32	54.00	46.32	AVG	No Limit
2	X	2443.100	103.93	7.74	111.67	74.00	37.67	peak	No Limit

REMARKS:

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

Test Mode: TX AX-40M Mode 2437 MHz

Horizontal



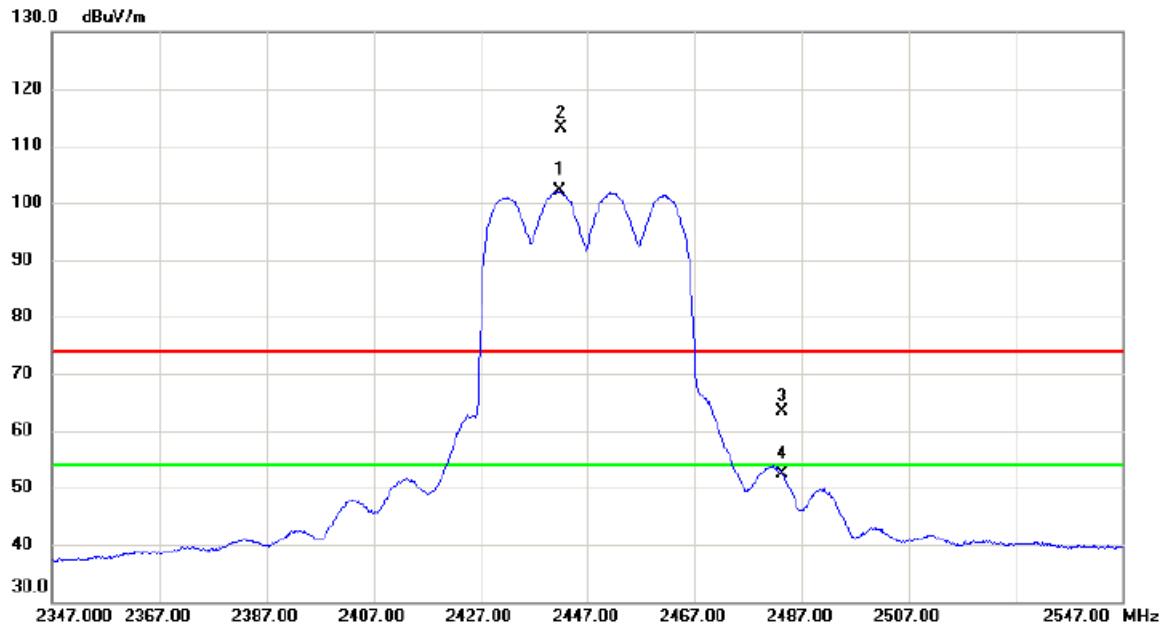
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4877.715	45.44	4.74	50.18	74.00	-23.82	peak	
2	*	4878.155	35.77	4.75	40.52	54.00	-13.48	AVG	

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	*	2441.700	94.35	7.74	102.09	54.00	48.09	AVG	No Limit
2	X	2442.100	105.35	7.74	113.09	74.00	39.09	peak	No Limit
3		2483.500	55.41	7.87	63.28	74.00	-10.72	peak	
4		2483.500	44.46	7.87	52.33	54.00	-1.67	AVG	

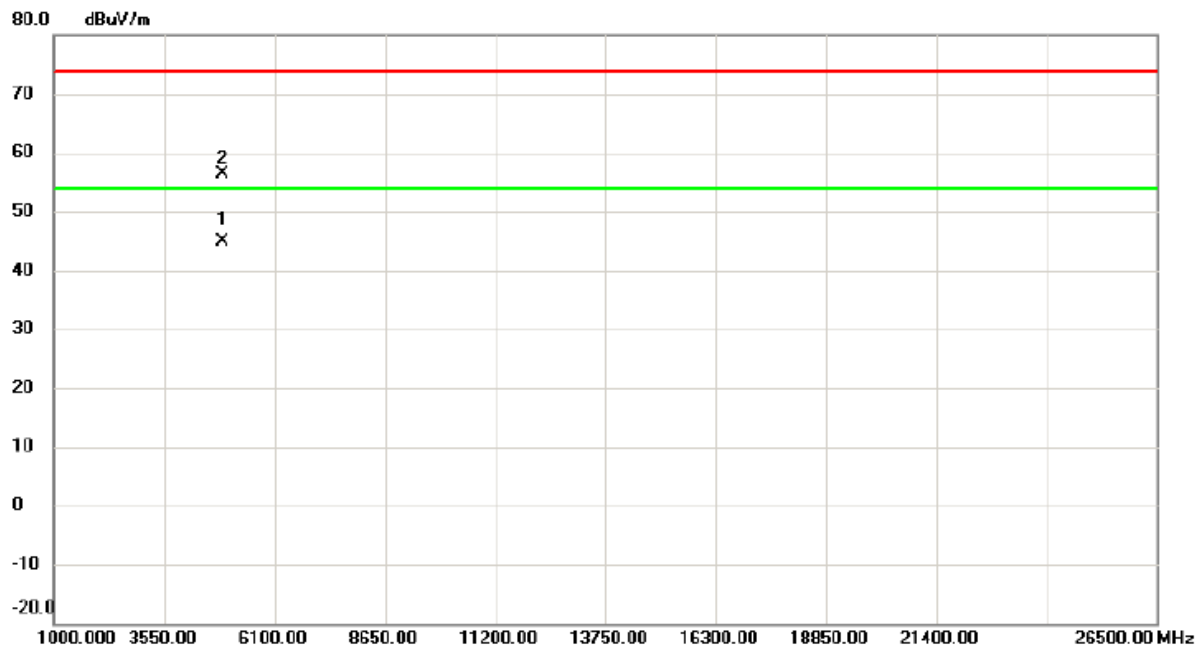
REMARKS:

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

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

Test Mode: TX AX-40M Mode 2447 MHz

Vertical



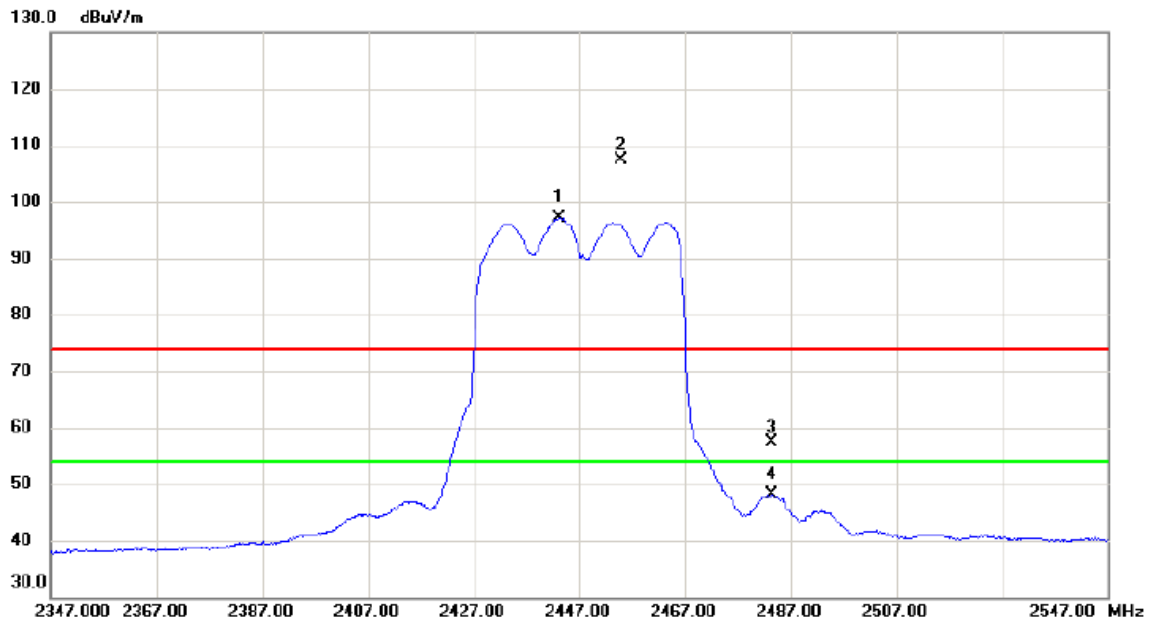
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4898.390	40.15	4.83	44.98	54.00	-9.02	AVG	
2		4898.835	51.47	4.83	56.30	74.00	-17.70	peak	

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	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2443.200	89.33	7.75	97.08	54.00	43.08	AVG	No Limit
2	X	2454.800	99.72	7.78	107.50	74.00	33.50	peak	No Limit
3		2483.500	49.48	7.87	57.35	74.00	-16.65	peak	
4		2483.500	40.18	7.87	48.05	54.00	-5.95	AVG	

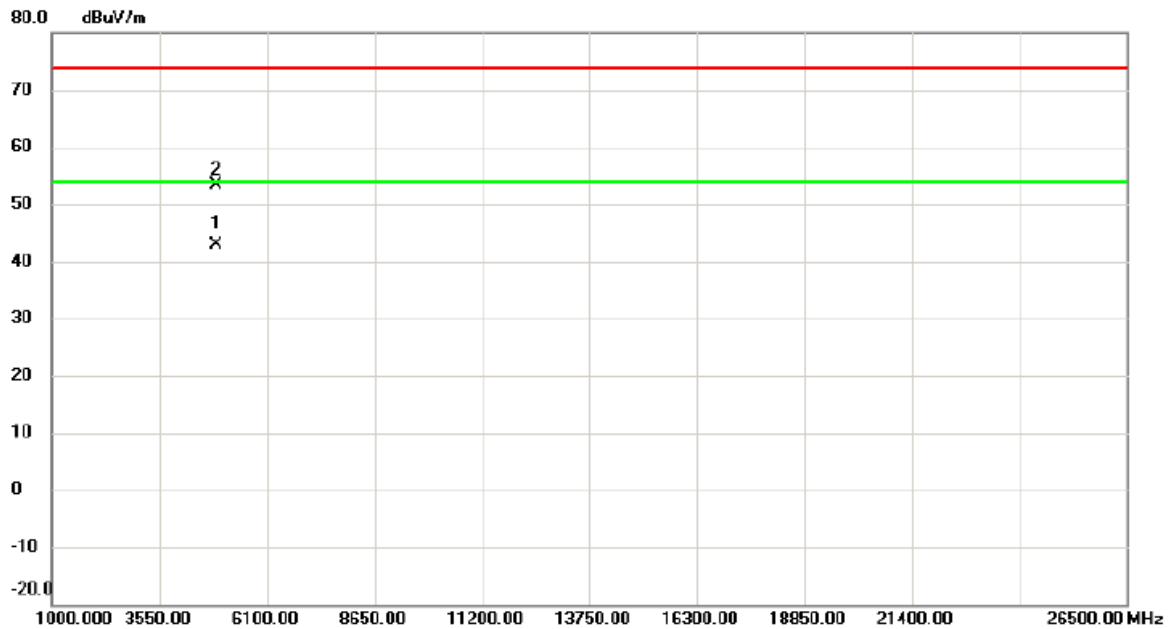
REMARKS:

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

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

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



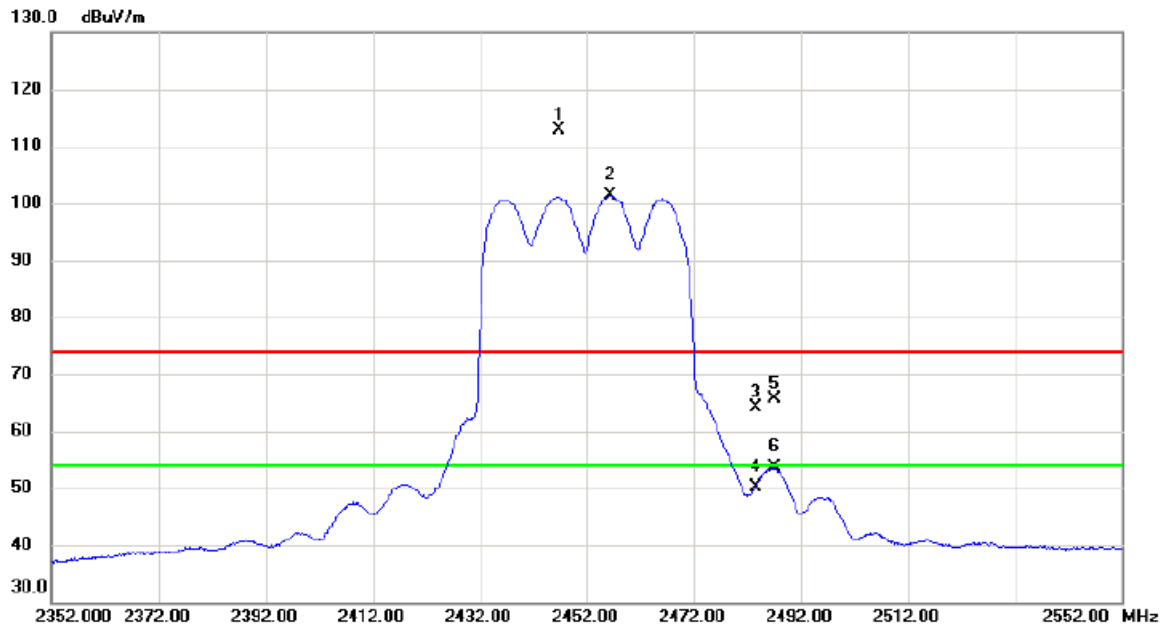
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4898.390	38.15	4.83	42.98	54.00	-11.02	AVG	
2		4898.835	48.47	4.83	53.30	74.00	-20.70	peak	

REMARKS:

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

Test Mode: TX AX-40M Mode 2452 MHz

Vertical



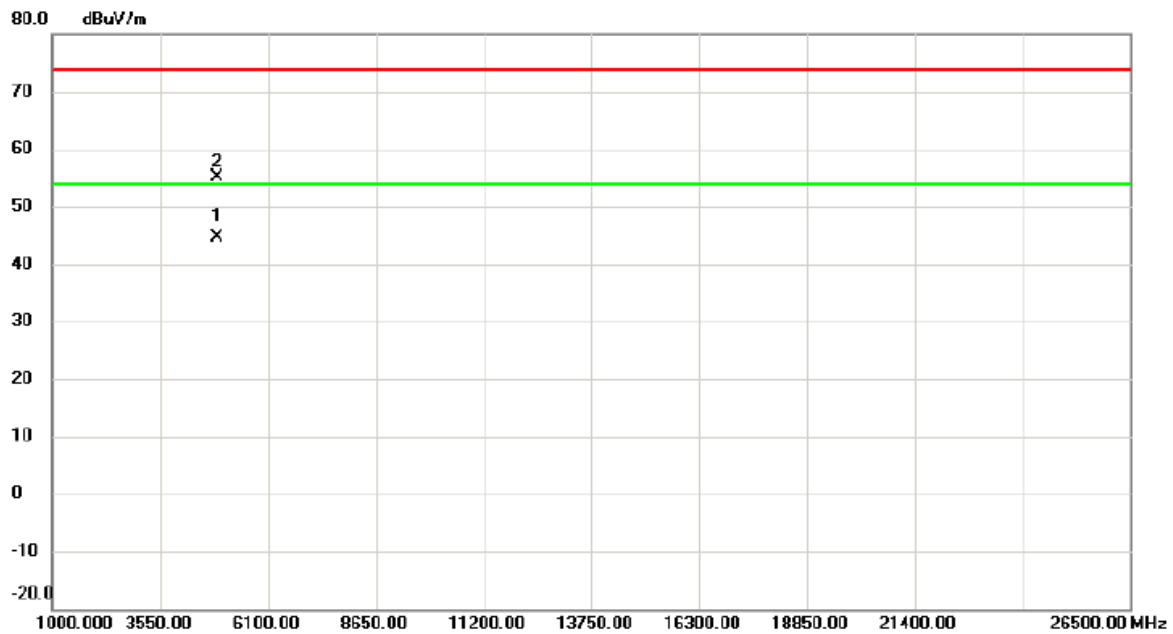
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2446.900	105.01	7.75	112.76	74.00	38.76	peak	No Limit
2	*	2456.400	93.62	7.78	101.40	54.00	47.40	AVG	No Limit
3		2483.500	56.26	7.87	64.13	74.00	-9.87	peak	
4		2483.500	42.25	7.87	50.12	54.00	-3.88	AVG	
5		2487.000	57.86	7.88	65.74	74.00	-8.26	peak	
6		2487.000	45.74	7.88	53.62	54.00	-0.38	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



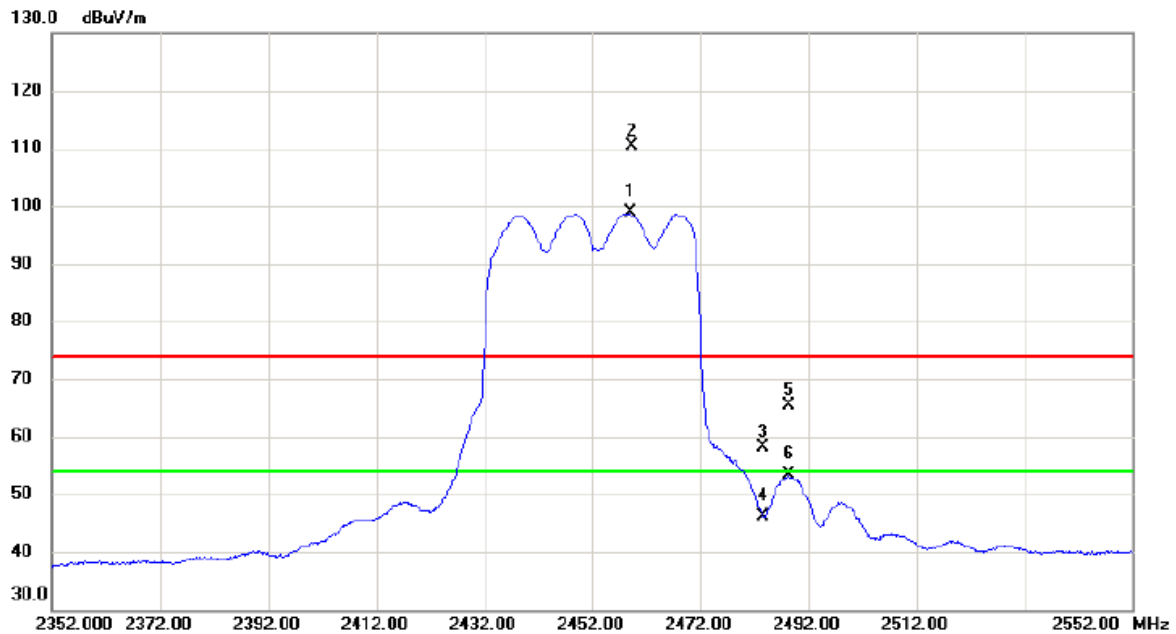
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4907.960	39.71	4.86	44.57	54.00	-9.43	AVG	
2		4908.475	50.17	4.86	55.03	74.00	-18.97	peak	

REMARKS:

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

Test Mode: TX AX-40M Mode 2452 MHz

Horizontal



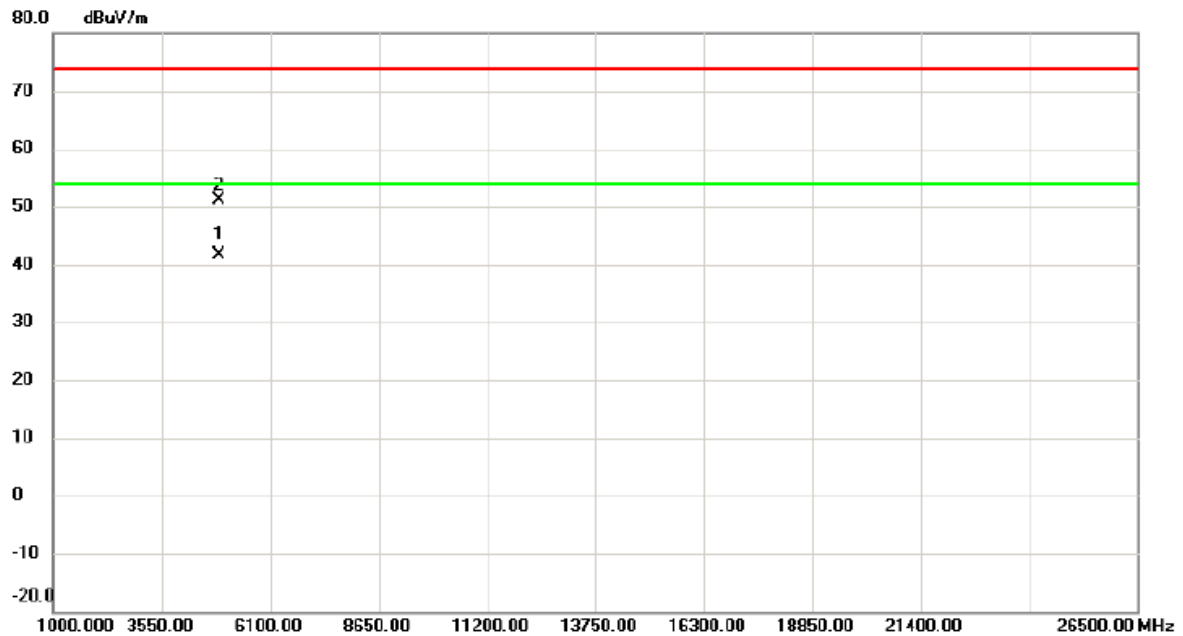
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2459.100	90.98	7.79	98.77	54.00	44.77	AVG	No Limit
2	X	2459.400	102.48	7.79	110.27	74.00	36.27	peak	No Limit
3		2483.500	50.22	7.87	58.09	74.00	-15.91	peak	
4		2483.500	38.38	7.87	46.25	54.00	-7.75	AVG	
5		2488.500	57.58	7.89	65.47	74.00	-8.53	peak	
6		2488.500	45.46	7.89	53.35	54.00	-0.65	AVG	

REMARKS:

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

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



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4907.960	36.71	4.86	41.57	54.00	-12.43	AVG	
2		4908.475	46.17	4.86	51.03	74.00	-22.97	peak	

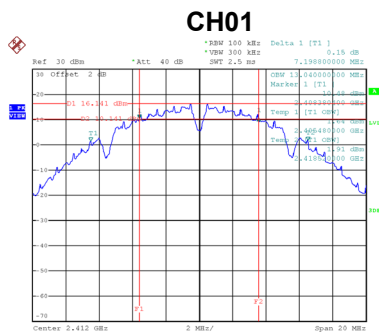
REMARKS:

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

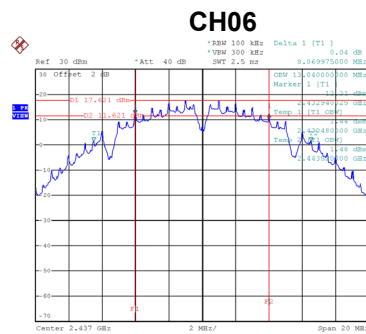
APPENDIX E - BANDWIDTH

Test Mode	TX B Mode
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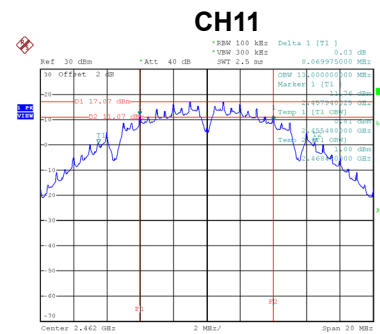
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	7.20	500	Complies
06	2437	8.07	500	Complies
11	2462	8.07	500	Complies



Date: 31.OCT.2019 11:59:07

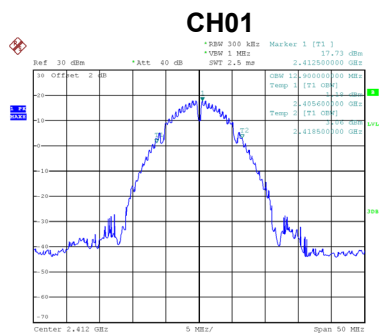


Date: 31.OCT.2019 13:54:09

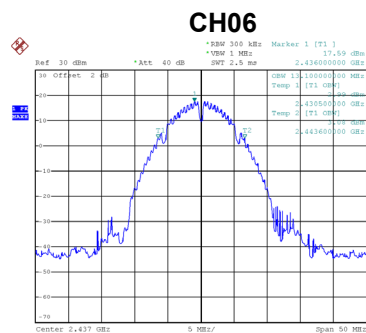


Date: 31.OCT.2019 13:57:44

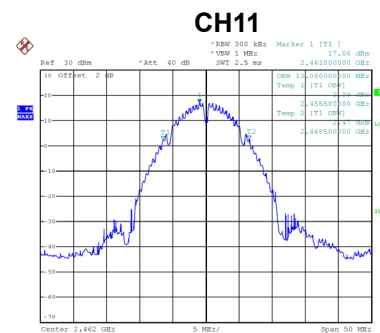
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	12.90	Complies
06	2437	13.10	Complies
11	2462	13.00	Complies



Date: 31.OCT.2019 13:52:22



Date: 31.OCT.2019 13:55:06



Date: 31.OCT.2019 14:00:41