

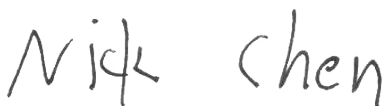
FCC Radio Test Report

FCC ID: KA2AP1610B1

This report concerns: Original Grant

Project No. : 2006H024
Equipment : 1) AC1200 Mesh Wi-Fi Range Extender
 2) AC750 Mesh Wi-Fi Range Extender
Brand Name : D-Link
Test Model : 1) DAP-1610
Series Model : 2) DAP-1530
Applicant : D-Link Corporation
Address : 17595 Mt. Herrmann, Fountain Valley, California, UnitedStates, 92708
Manufacturer : D-Link Corporation
Address : No.289, Xinhua 3rd Rd., Neihu District, Taipei City 11494, Taiwan, R.O.C.
Factory : Edimax Technology Co., Ltd.& Intelligent Technology INC.
Address : No. 278, Xinhua 1st Rd., Neihu Dist., Taipei City, Taiwan & Yuanhe 3 Street, Tongsha Industrial Zone, Dongcheng Area, Dongguan, Guangdong, China
Date of Receipt : Aug. 04, 2020
Date of Test : Aug. 18, 2020 ~ Sep. 04, 2020
Issued Date : Dec. 11, 2020
Report Version : R02
Test Sample : Engineering Sample No.: DG202008055
Standard(s) : FCC Part15, Subpart C (15.247)
 ANSI C63.10-2013
 FCC KDB 558074 D01 15.247 Meas Guidance v05r02

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



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

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

Limitation

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

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

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Oct. 09, 2020
R01	Change the description of model difference and added the 240V data of AC Power Line Conducted Emissions.	Nov. 25, 2020
R02	Modified the comments of CETECOM.	Dec. 11, 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	2.68

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB01	CISPR	9 KHz~30 MHz	V	3.79
		9 KHz~30 MHz	H	3.57
		30 MHz~200 MHz	V	4.56
		30 MHz~200 MHz	H	3.90
		200 MHz~1,000 MHz	V	4.64
		200 MHz~1,000 MHz	H	4.38
		1 GHz~18 GHz	V	4.46
		1 GHz~18 GHz	H	4.40
		18 GHz~40 GHz	V	3.95
		18 GHz~40 GHz	H	3.95

C. Other Measurement:

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

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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	25°C	53%	AC 120V/60Hz AC 240V/50Hz	Kwok Guo
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-30 MHz to 1GHz	22°C	54%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-Above 1000 MHz	26°C	52%	AC 120V/60Hz	Kwok Guo
Bandwidth	25°C	63%	AC 120V/60Hz	Jesse Wang
Maximum output power	25°C	63%	AC 120V/60Hz	Hand Huang
Conducted Spurious Emissions	25°C	63%	AC 120V/60Hz	Jesse Wang
Power Spectral Density	25°C	63%	AC 120V/60Hz	Jesse Wang

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	1) AC1200 Mesh Wi-Fi Range Extender 2) AC750 Mesh Wi-Fi Range Extender
Brand Name	D-Link
Test Model	1) DAP-1610
Series Model	2) DAP-1530
Model Difference(s)	Only differ in model name and product name.
Power Source	AC Mains.
Power Rating	100-240V~, 50/60Hz
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM
Bit Rate of Transmitter	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps
Maximum Output Power Non-Beamforming	IEEE 802.11b: 22.49 dBm (0.1774 W) IEEE 802.11g: 24.11 dBm (0.2576 W) IEEE 802.11n (HT20): 26.18 dBm (0.4150 W) IEEE 802.11n (HT40): 25.99 dBm (0.3972 W)
Maximum Output Power Beamforming	IEEE 802.11n (HT20): 24.83 dBm (0.3041 W) IEEE 802.11n (HT40): 24.86 dBm (0.3062 W)

Note:

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

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

3. Antenna Specification:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1		RF21C05288A	PCB	Cable	2.5
2		RF21C05288A	PCB	Cable	2.5

Note: This EUT supports CDD, and all antennas have the same gain, so,

- (1) For Non Beamforming: Directional gain= $G_{ANT} + \text{Array Gain}$.
For output power measurements, Array Gain=0 ($N_{ANT} \leq 4$), so the Directional gain=2.5.
For power spectral density measurements, Array Gain= $10\log(N_{ANT}/N_{SS})$ dB,
so the Directional gain= $2.5 + 10\log(2/1) = 5.51$.
- (2) For Beamforming: Beamforming Gain: 2.5dB. So the Directional gain= $2.5 + 2.5 = 5$.

4. Table for Antenna Configuration:

For Non Beamforming:

Operating Mode	1TX	2TX
TX Mode		
802.11b	V (Ant. 1)	
802.11g	V (Ant. 1)	
802.11n(20 MHz)		V (Ant. 1 + Ant. 2)
802.11n(40 MHz)		V (Ant. 1 + Ant. 2)

For Beamforming:

Operating Mode	2TX
TX Mode	
802.11n(20 MHz)	V (Ant. 1 + Ant. 2)
802.11n(40 MHz)	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 N-20 MHz Mode Channel

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

AC power line conducted emissions test	
Final Test Mode	Description
Mode 5	TX N-20 MHz Mode Channel

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 5	TX N-20 MHz Mode Channel

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

Output Power test_Non Beamforming	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09

Output Power test_ Beamforming	
Final Test Mode:	Description
Mode 3	TX N-20 MHz Mode Channel 01/06/11
Mode 4	TX N-40 MHz Mode Channel 03/06/09

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

NOTE:

- (1) The measurements are performed at the high, middle, low available channels.
- (2) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (3) For radiated emission below 1 GHz test, the IEEE 802.11n20 Channel 06 is found to be the worst case and recorded.
- (4) For radiated emission above 1 GHz test, 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (5) The measurements for Power were tested, the Non Beamforming and Beamforming were recorded in this report. The worst case was Non Beamforming and only the worst case was documented for other test items.
- (6) For radiated emissions, the TX WLAN 2.4G N40 Mode 2437 + WLAN 5G N20 Mode 5785MHz was found the worst case of simultaneous transmission and recorded.

2.3 PARAMETERS OF TEST SOFTWARE

Non-Beamforming

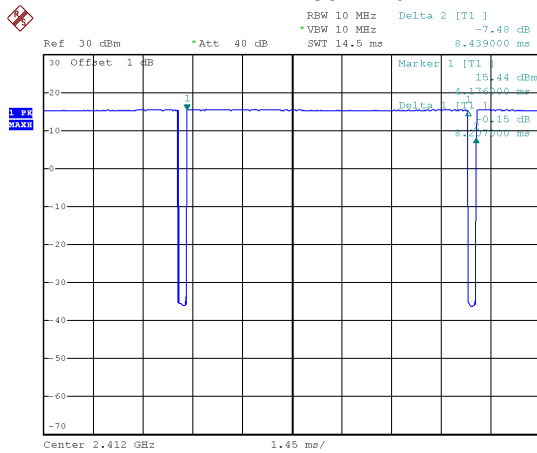
Test Software	MP_TOOL		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	94	95	97
IEEE 802.11g	104	115	105
IEEE 802.11n (HT20)	96	105	96
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	91	104	90

Beamforming

Test Software	MP_TOOL		
Frequency (MHz)	2412	2437	2462
IEEE 802.11n (HT20)	96	105	96
Frequency (MHz)	2422	2437	2452
IEEE 802.11n (HT40)	91	104	90

2.4 DUTY CYCLE

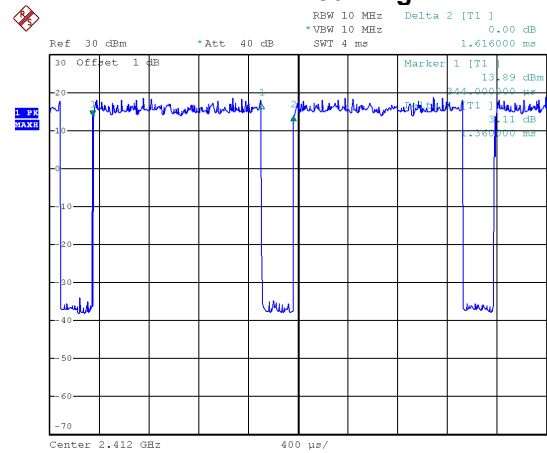
IEEE 802.11b



Date: 10.AUG.2020 13:46:27

Duty cycle = 8.207 ms / 8.439 ms = 97.25%
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.12$

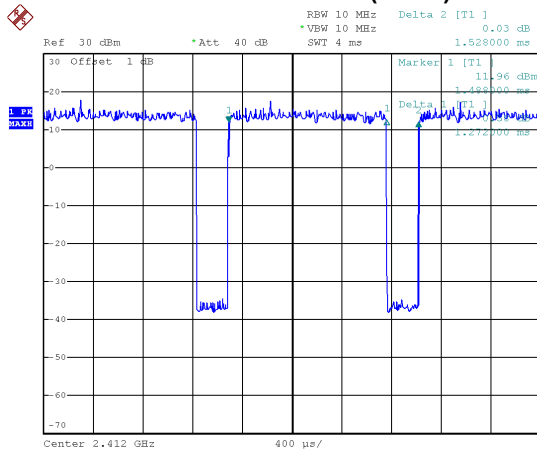
IEEE 802.11g



Date: 10.AUG.2020 13:47:55

Duty cycle = 1.360 ms / 1.616 ms = 84.16%
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.75$

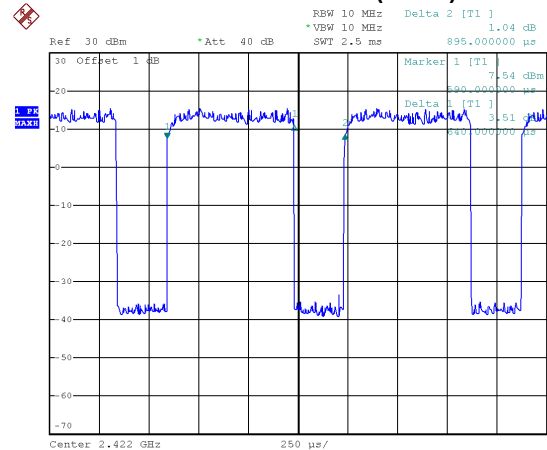
IEEE 802.11n (HT20)



Date: 10.AUG.2020 13:49:08

Duty cycle = 1.272 ms / 1.528 ms = 83.25%
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.80$

IEEE 802.11n (HT40)



Date: 10.AUG.2020 13:50:00

Duty cycle = 0.640 ms / 0.895 ms = 71.51%
Duty Factor = $10 \log(1/\text{Duty cycle}) = 1.46$

NOTE:

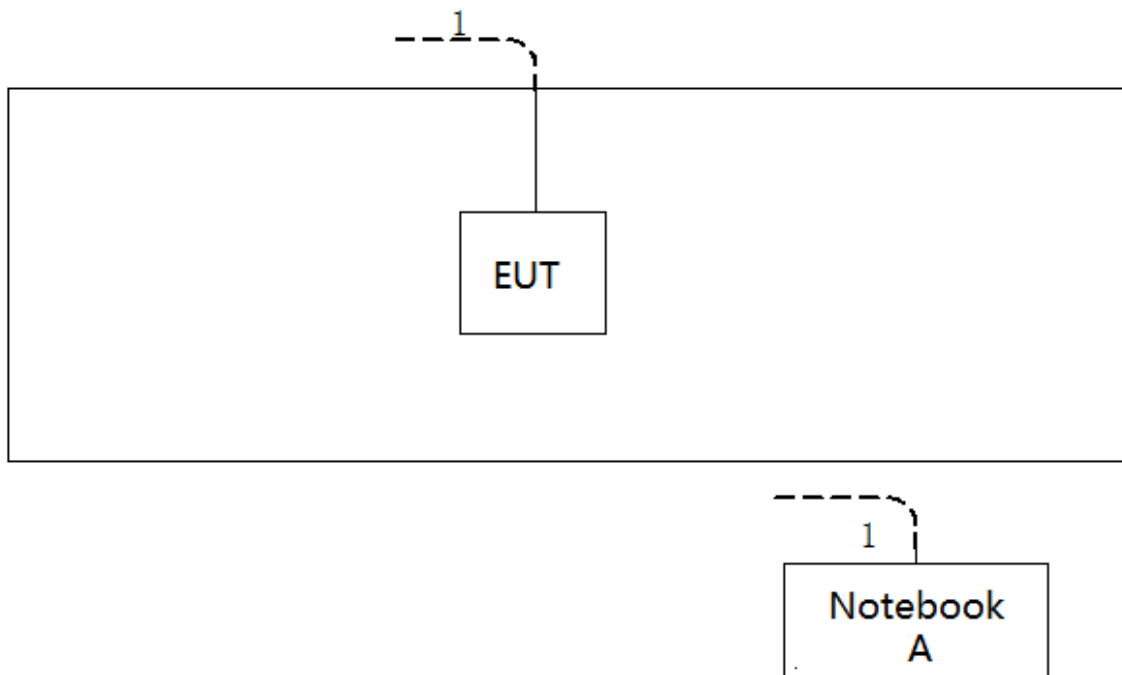
For IEEE 802.11g and IEEE 802.11n (HT20):

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

For IEEE 802.11n (HT40):

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

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Lenovo	INSPIRON 1420	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	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 - 0.5	66 to 56*	56 to 46*
0.5 - 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

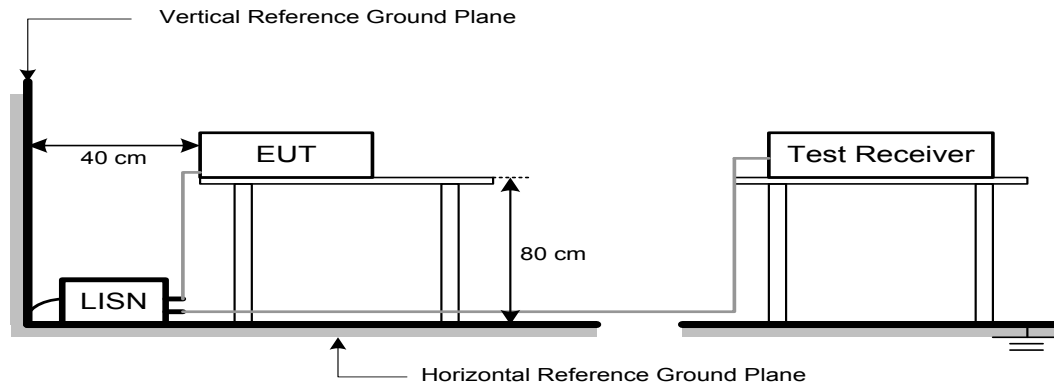
3.2 TEST PROCEDURE

- 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) 8.9 limit in the table below has to be followed.

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

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

NOTE:

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

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

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

4.2 TEST PROCEDURE

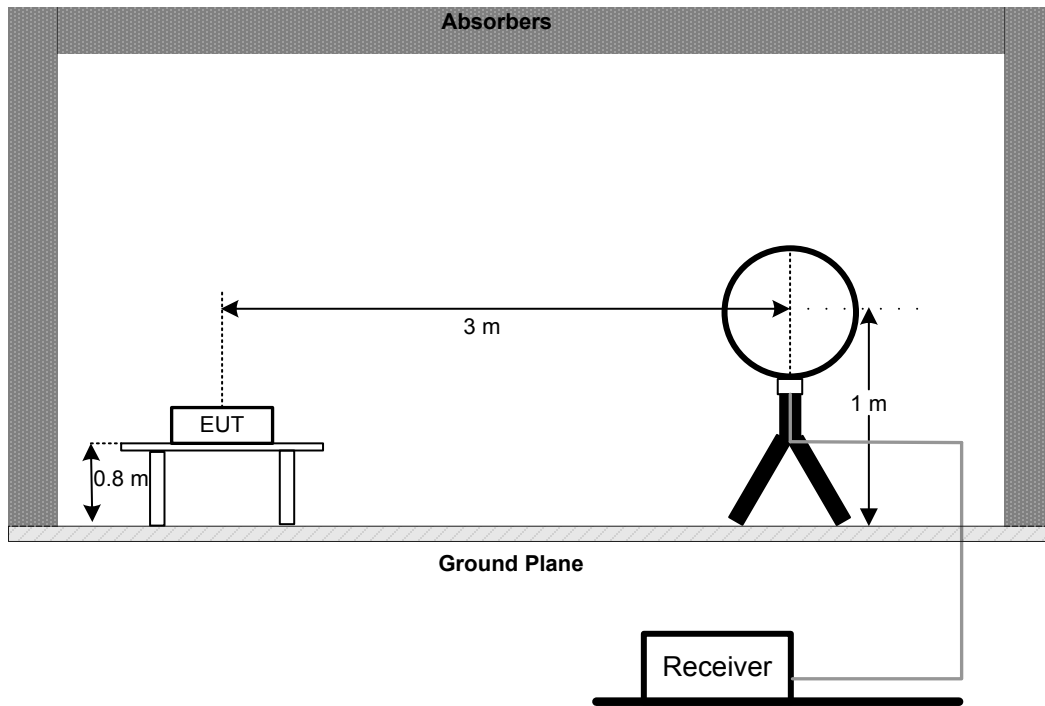
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- The measuring distance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

4.3 DEVIATION FROM TEST STANDARD

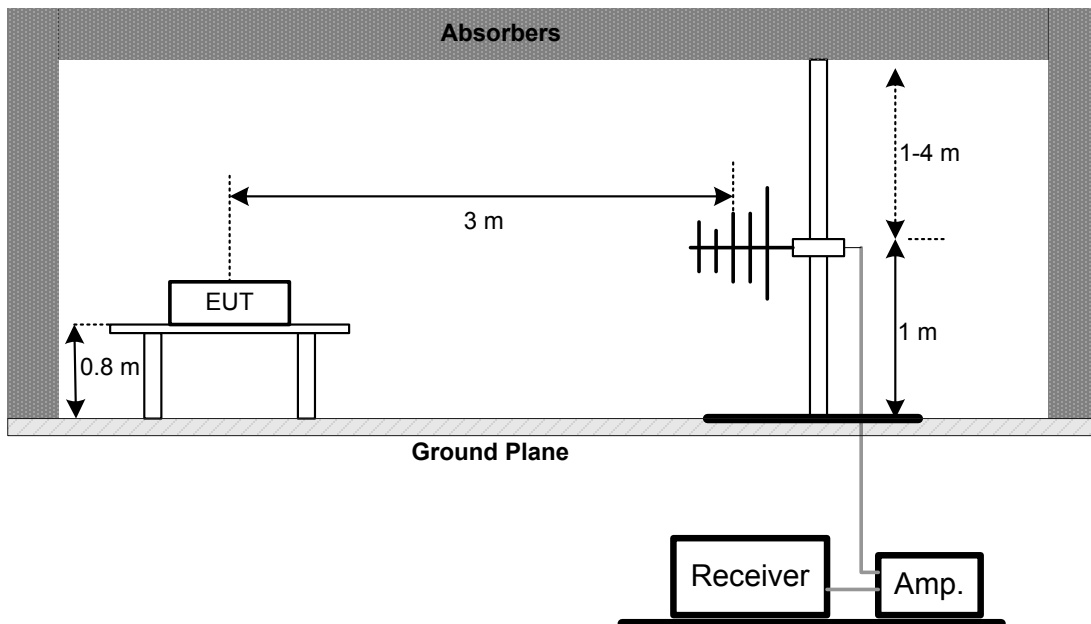
No deviation

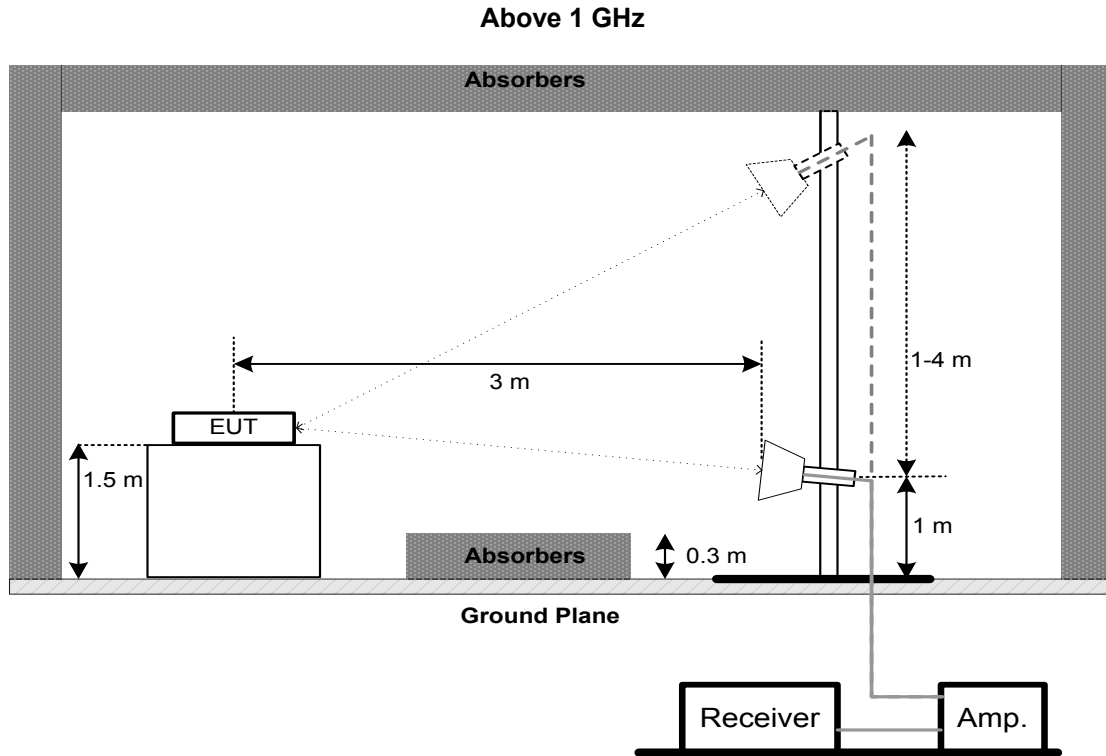
4.4 TEST SETUP

9 kHz-30 MHz



30 MHz to 1 GHz





4.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

Remark:

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

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

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

5. BANDWIDTH TEST

5.1 LIMIT

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

5.2 TEST PROCEDURE

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

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER TEST

6.1 LIMIT

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

6.2 TEST PROCEDURE

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

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. CONDUCTED SPURIOUS EMISSIONS

7.1 LIMIT

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

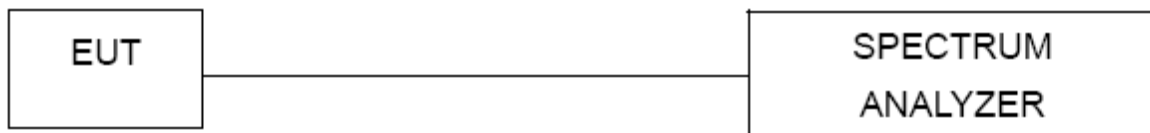
7.2 TEST PROCEDURE

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

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8. POWER SPECTRAL DENSITY TEST

8.1 LIMIT

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

8.2 TEST PROCEDURE

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

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

9. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Feb. 28, 2021
2	LISN	EMCO	3816/2	52765	Mar. 01, 2021
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Feb. 28, 2021
4	50Ω Terminator	SHX	TF5-3	15041305	Mar. 01, 2021
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 10, 2021
7	643 Shield Room	ETS	6*4*3m	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	EM	EM-6876-1	230	Apr. 16, 2021
2	Cable	N/A	RG 213/U	N/A	May 29, 2021
3	EMI Test Receiver	R&S	ESCI	100895	Feb. 28, 2021
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
5	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2021

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 09, 2021
2*	Amplifier	HP	8447D	2944A09673	Aug. 11, 2021
3	Receiver	Agilent	N9038A	MY52130039	Jul. 25, 2021
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	May 22, 2021
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2021

Radiated Emissions - Above 1 GHz

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	May 12, 2021
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jul. 07, 2021
3	Amplifier	Agilent	8449B	3008A02333	Mar. 01, 2021
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 07, 2021
5	Receiver	Agilent	N9038A	MY52130039	Jul. 25, 2021
6	Controller	CT	SC100	N/A	N/A
7	Controller	MF	MF-7802	MF780208416	N/A
8	Cable	N/A	EMC104-SM-SM-6 000	N/A	May 09, 2021
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	Filter	STI	STI15-9912	N/A	Jul. 25, 2021
11	966 Chambe Room	RM	9*6*6m	N/A	Jul. 25, 2021

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	Jul. 25, 2021
2	RF Cable	Tongkaichuan	N/A	N/A	N/A
3	DC Block	Mini	N/A	N/A	N/A

Maximum Output Power

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Aug. 07, 2021
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jul. 25, 2021
3	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 11, 2021
4	RF Cable	Tongkaichuan	N/A	N/A	N/A

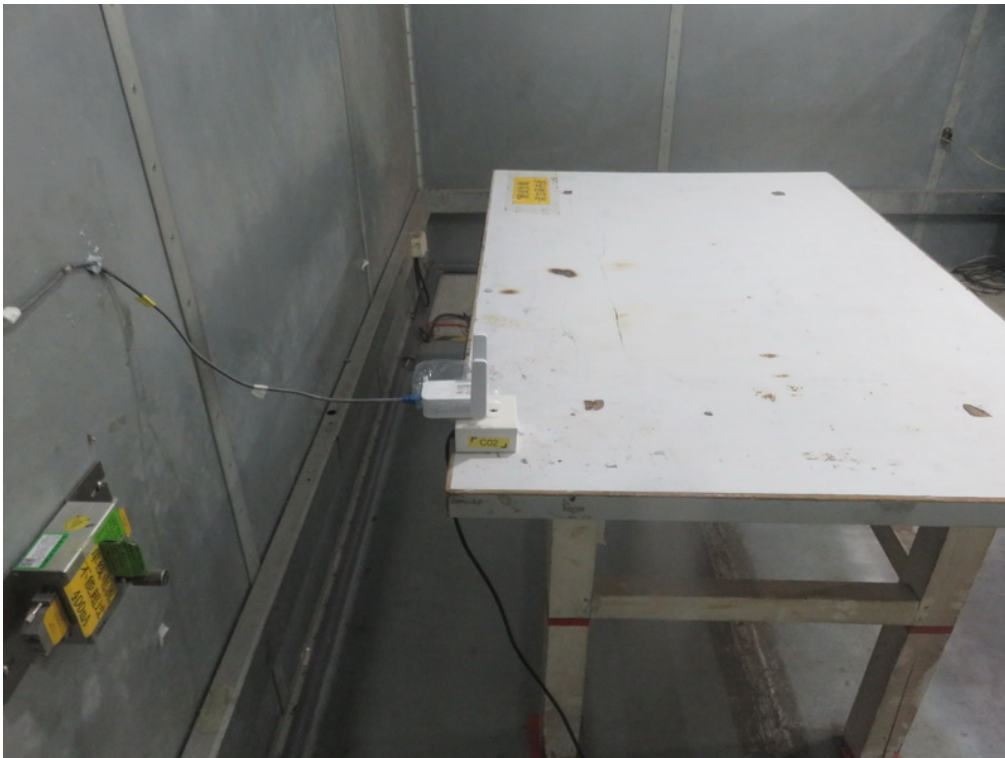
Remark: "N/A" denotes no model name, serial no. or calibration specified.

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

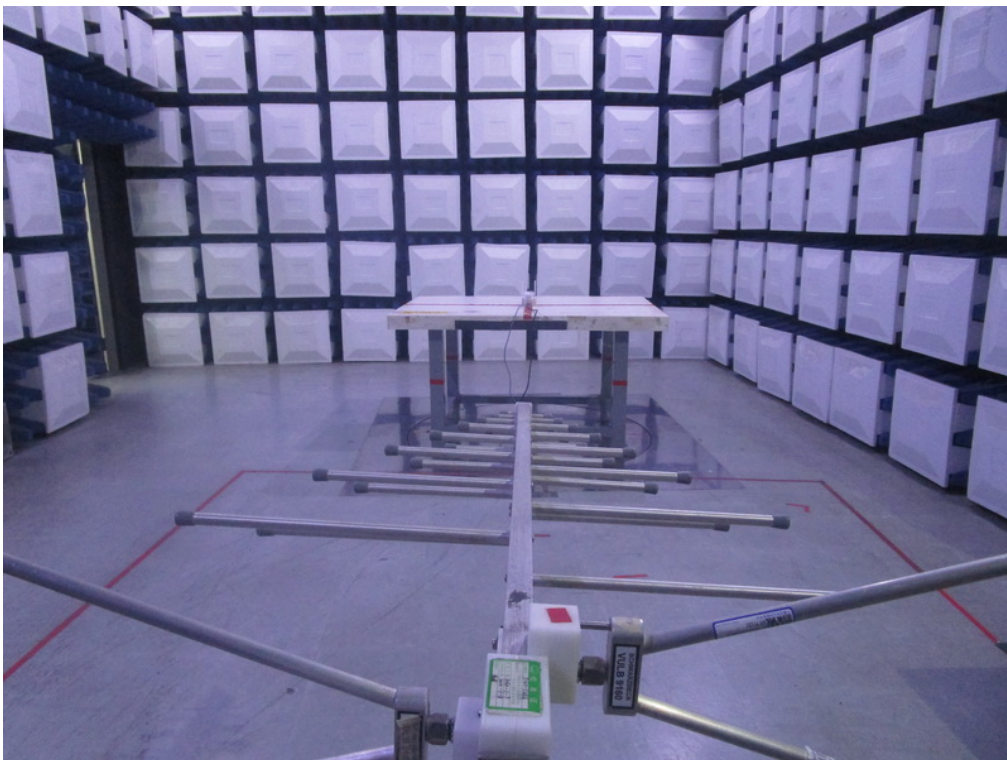
Except * item, all calibration period of equipment list is one year.

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**

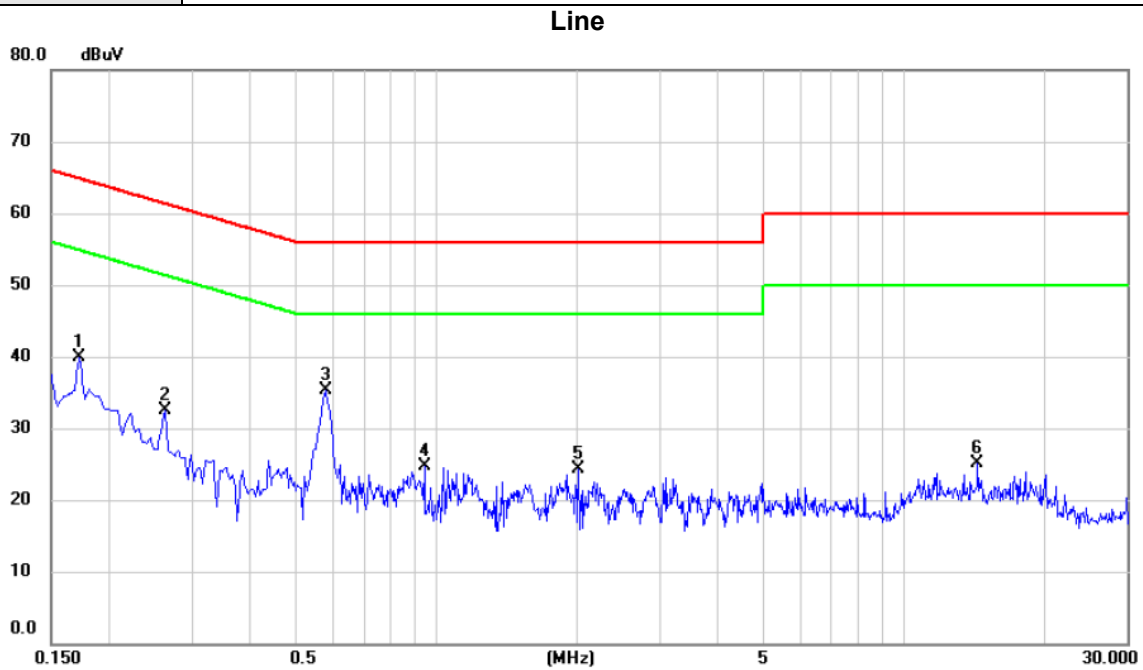
Radiated Emissions Test Photos

Above 1 GHz



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode:	TX N-20 Mode Channel 06
Test Voltage	AC 120V/60Hz



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1725	30.02	9.83	39.85	64.84	-24.99	peak	
2	0.2625	22.68	9.88	32.56	61.35	-28.79	peak	
3 *	0.5820	25.25	9.96	35.21	56.00	-20.79	peak	
4	0.9420	14.63	10.00	24.63	56.00	-31.37	peak	
5	2.0175	14.12	10.09	24.21	56.00	-31.79	peak	
6	14.3655	14.16	10.89	25.05	60.00	-34.95	peak	

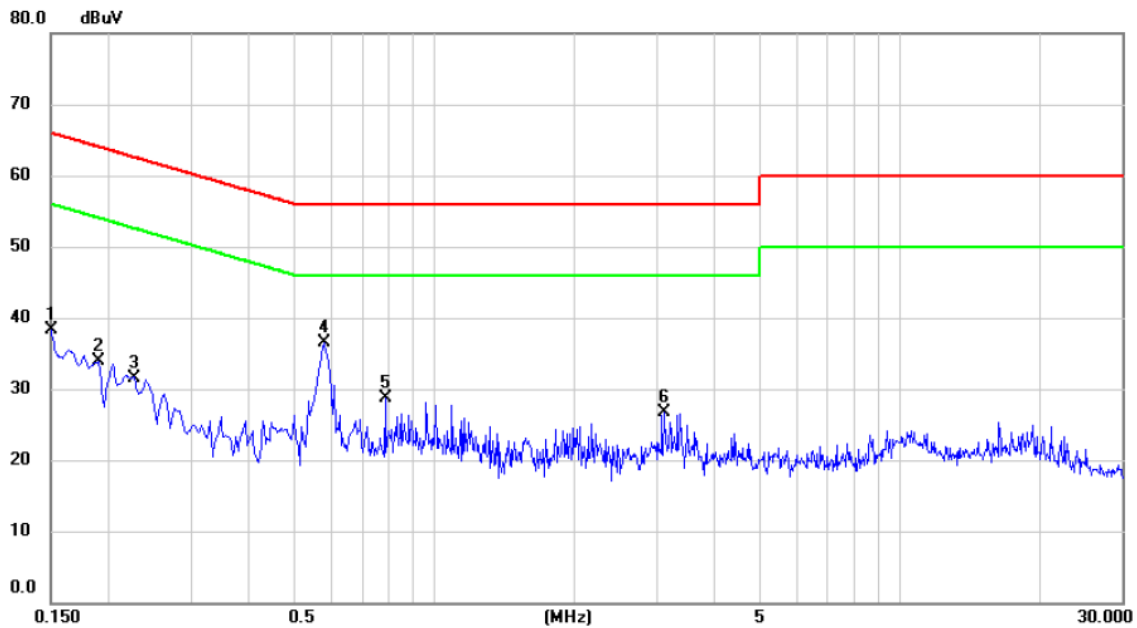
REMARKS:

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

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

Test Mode:	TX N-20 Mode Channel 06
Test Voltage	AC 120V/60Hz

Neutral

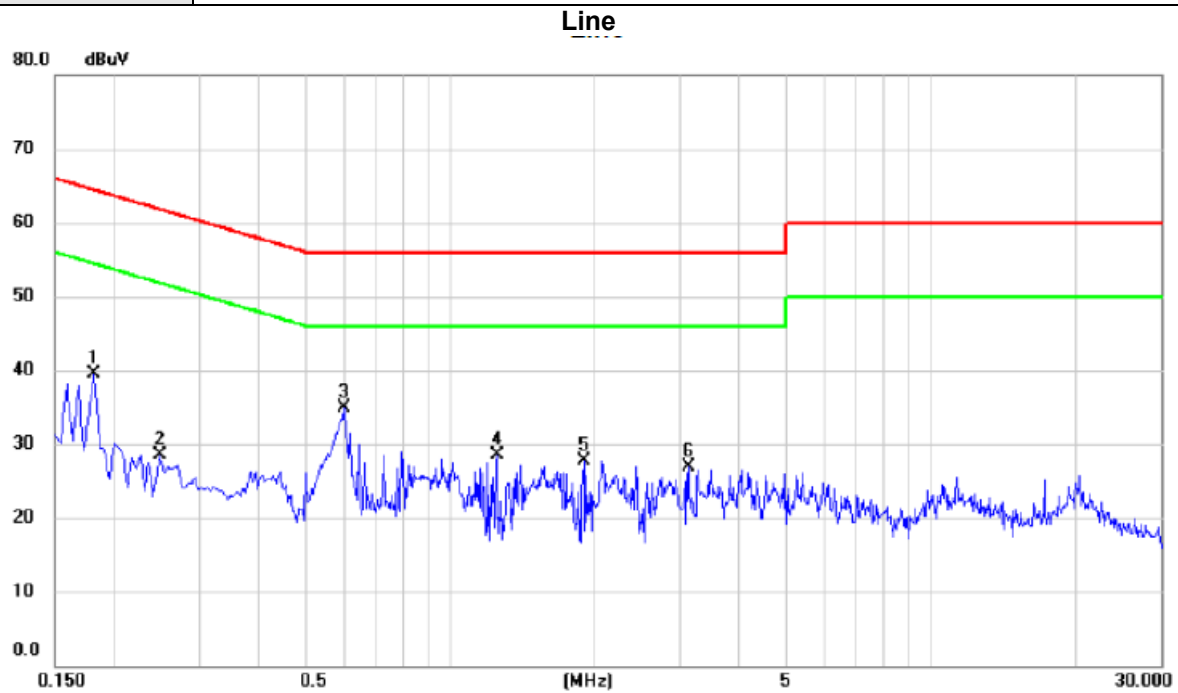


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	28.59	9.74	38.33	66.00	-27.67	peak	
2		0.1905	23.83	9.98	33.81	64.01	-30.20	peak	
3		0.2268	21.58	9.99	31.57	62.57	-31.00	peak	
4	*	0.5820	26.25	10.18	36.43	56.00	-19.57	peak	
5		0.7845	18.56	10.22	28.78	56.00	-27.22	peak	
6		3.1155	16.24	10.52	26.76	56.00	-29.24	peak	

REMARKS:

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

Test Mode:	TX N-20 Mode Channel 06
Test Voltage	AC 240V/50Hz



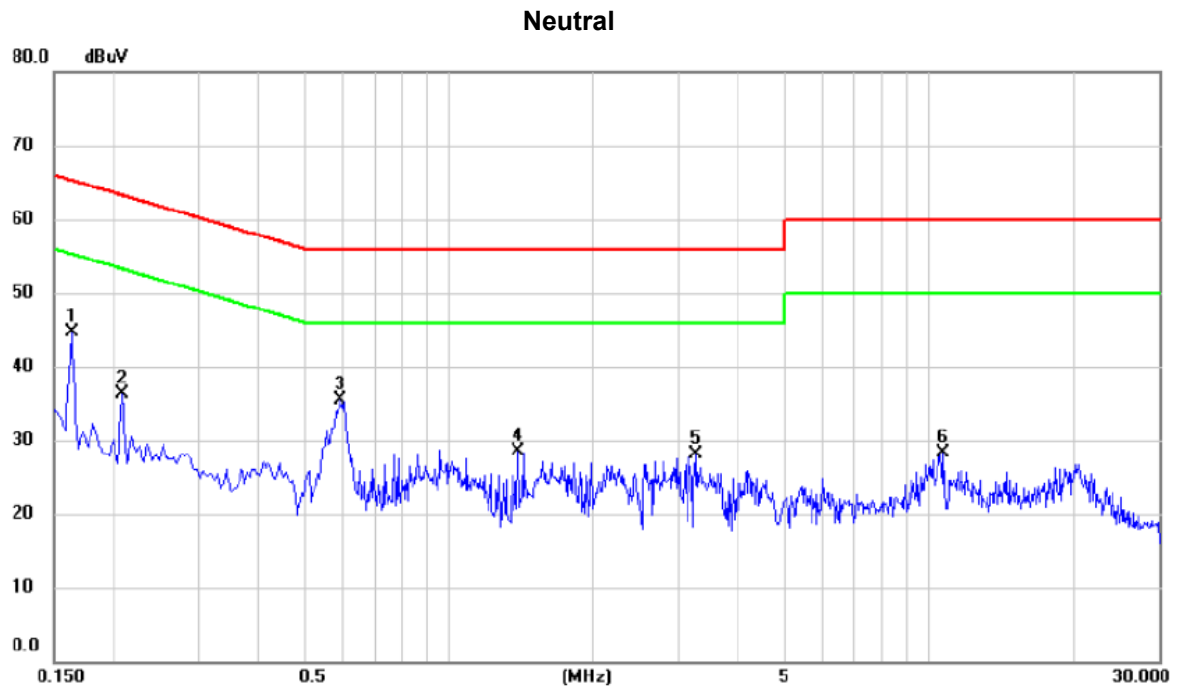
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1815	29.57	9.85	39.42	64.42	-25.00	peak	
2	0.2490	18.58	9.87	28.45	61.79	-33.34	peak	
3 *	0.6000	24.96	9.96	34.92	56.00	-21.08	peak	
4	1.2525	18.54	10.03	28.57	56.00	-27.43	peak	
5	1.8960	17.65	10.08	27.73	56.00	-28.27	peak	
6	3.1290	16.70	10.19	26.89	56.00	-29.11	peak	

REMARKS:

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

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

Test Mode:	TX N-20 Mode Channel 06
Test Voltage	AC 240V/50Hz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1635	34.89	9.85	44.74	65.28	-20.54	peak	
2		0.2085	26.39	10.00	36.39	63.26	-26.87	peak	
3	*	0.5910	25.35	10.19	35.54	56.00	-20.46	peak	
4		1.3920	18.07	10.35	28.42	56.00	-27.58	peak	
5		3.2775	17.59	10.54	28.13	56.00	-27.87	peak	
6		10.7340	17.14	11.08	28.22	60.00	-31.78	peak	

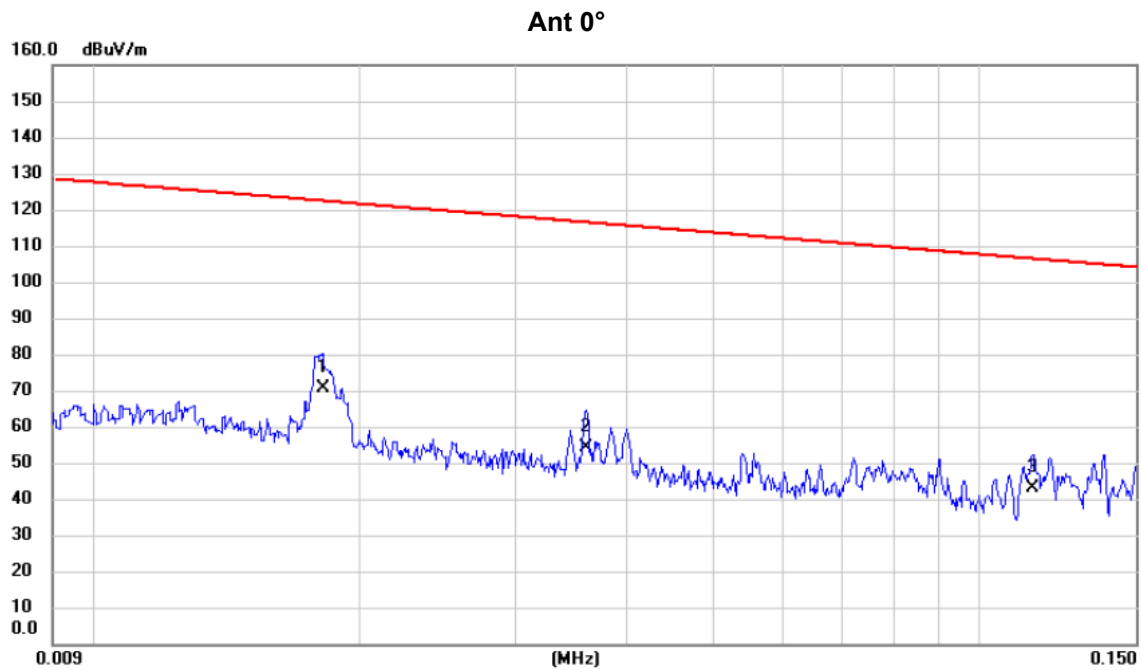
REMARKS:

(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 N20 Mode Channel 06

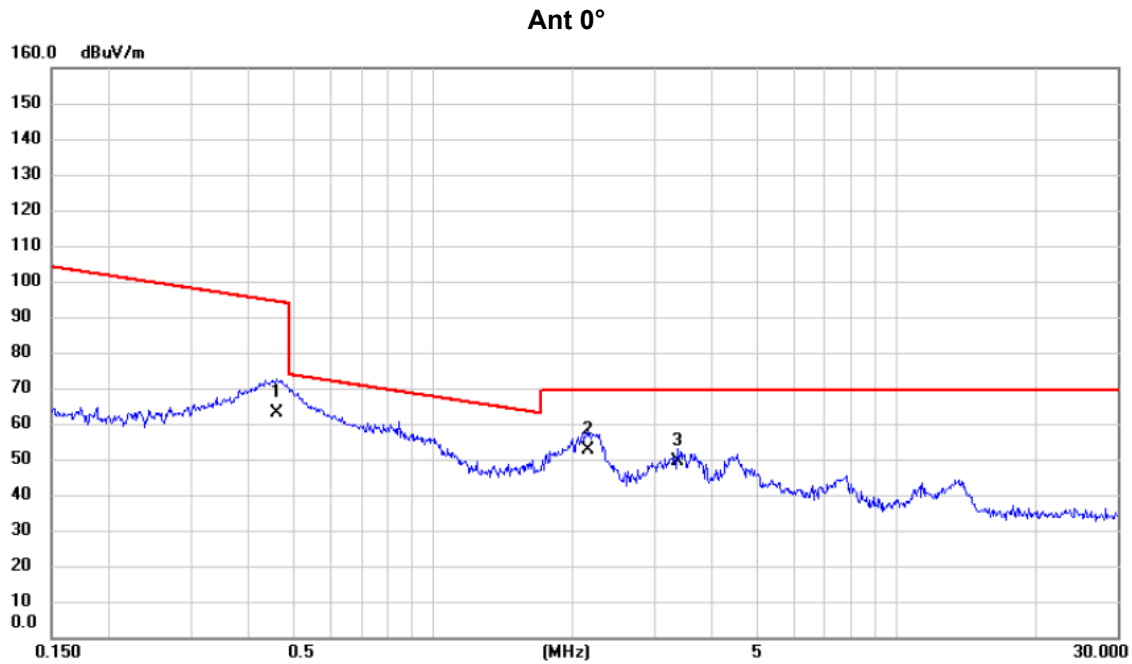


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	0.0182	56.70	13.78	70.48	122.40	-51.92	AVG		
2		0.0360	41.50	12.79	54.29	116.48	-62.19	AVG		
3		0.1148	30.15	12.73	42.88	106.41	-63.53	AVG		

REMARKS:

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

Test Mode: TX N20 Mode Channel 06



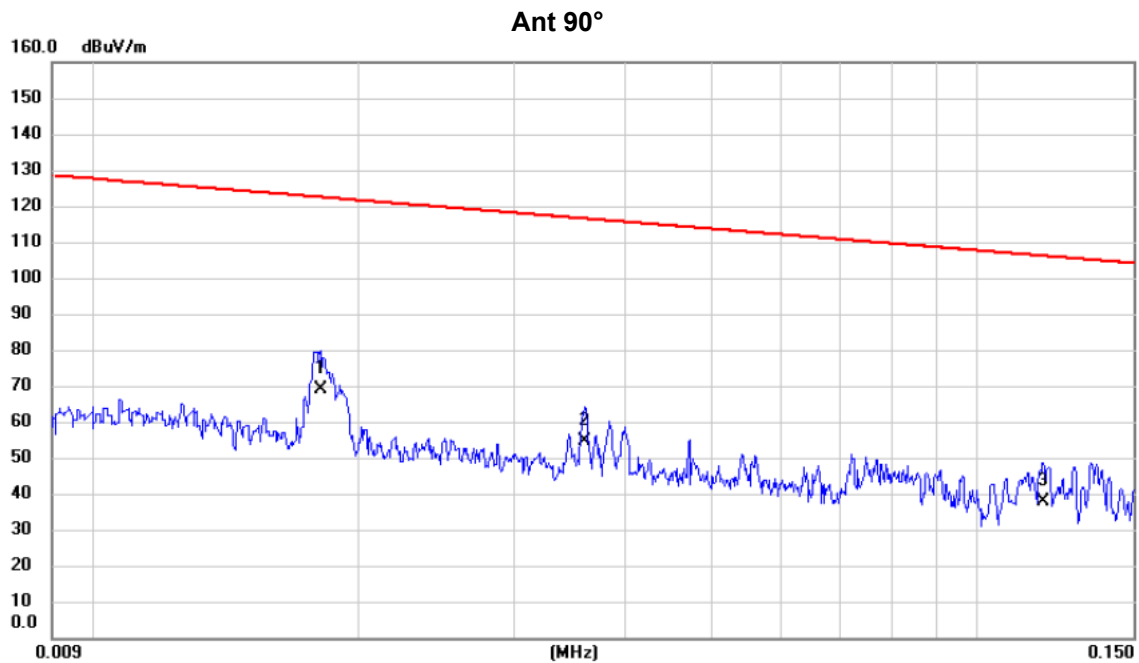
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		0.4588	50.70	12.11	62.81	94.37	-31.56	AVG		
2	*	2.1552	41.50	11.23	52.73	69.54	-16.81	QP		
3		3.3635	38.74	10.86	49.60	69.54	-19.94	QP		

REMARKS:

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

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

Test Mode: TX N20 Mode Channel 06



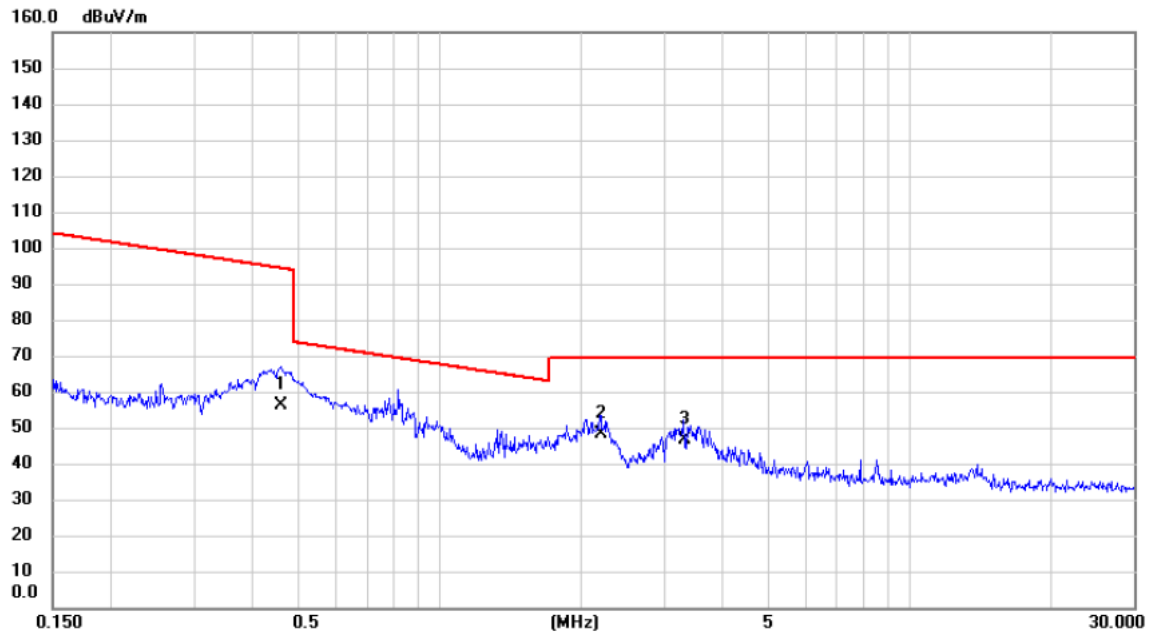
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	0.0181	55.24	13.81	69.05	122.45	-53.40	AVG		
2		0.0360	41.70	12.79	54.49	116.48	-61.99	AVG		
3		0.1188	25.00	12.73	37.73	106.11	-68.38	AVG		

REMARKS:

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

Test Mode: TX N20 Mode Channel 06

Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		0.4588	44.25	12.11	56.36	94.37	-38.01	AVG		
2	*	2.2015	37.14	11.20	48.34	69.54	-21.20	QP		
3		3.3105	35.58	10.85	46.43	69.54	-23.11	QP		

REMARKS:

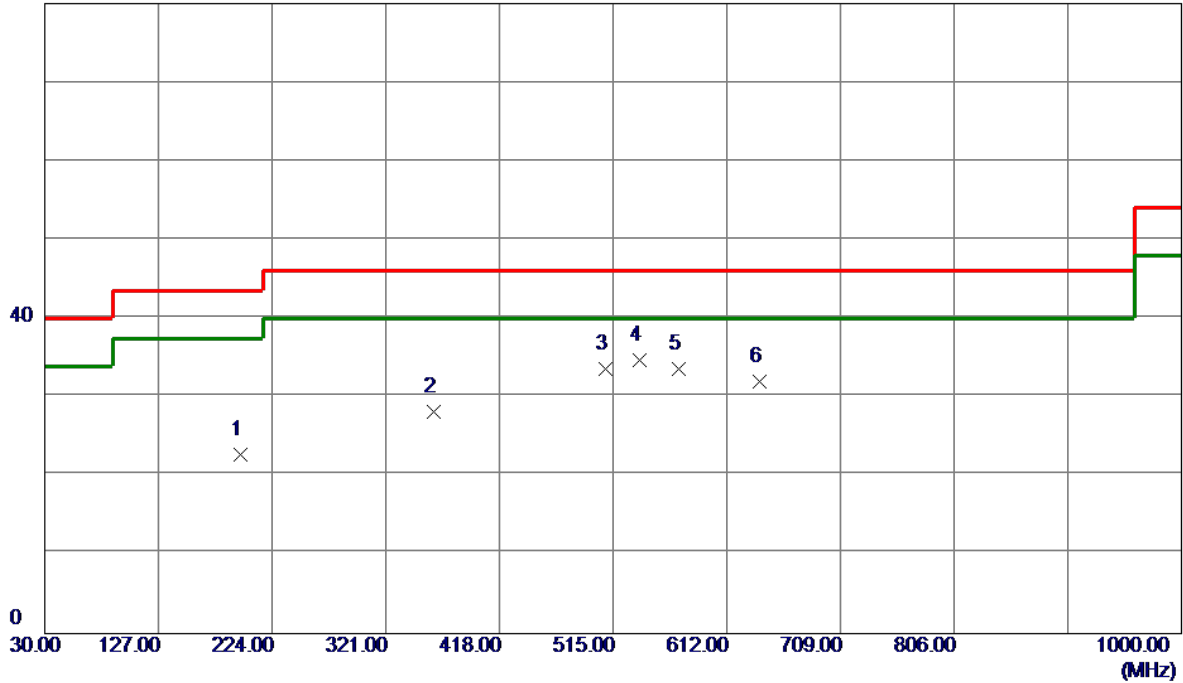
- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode: TX N20 Mode Channel 06

Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	196.8400	37.31	-14.58	22.73	43.50	-20.77	Peak	
2	361.7400	38.03	-9.92	28.11	46.00	-17.89	Peak	
3	508.2100	40.78	-7.19	33.59	46.00	-12.41	Peak	
4 *	537.3100	41.65	-6.92	34.73	46.00	-11.27	Peak	
5	571.2600	39.76	-6.19	33.57	46.00	-12.43	Peak	
6	640.1300	36.42	-4.48	31.94	46.00	-14.06	Peak	

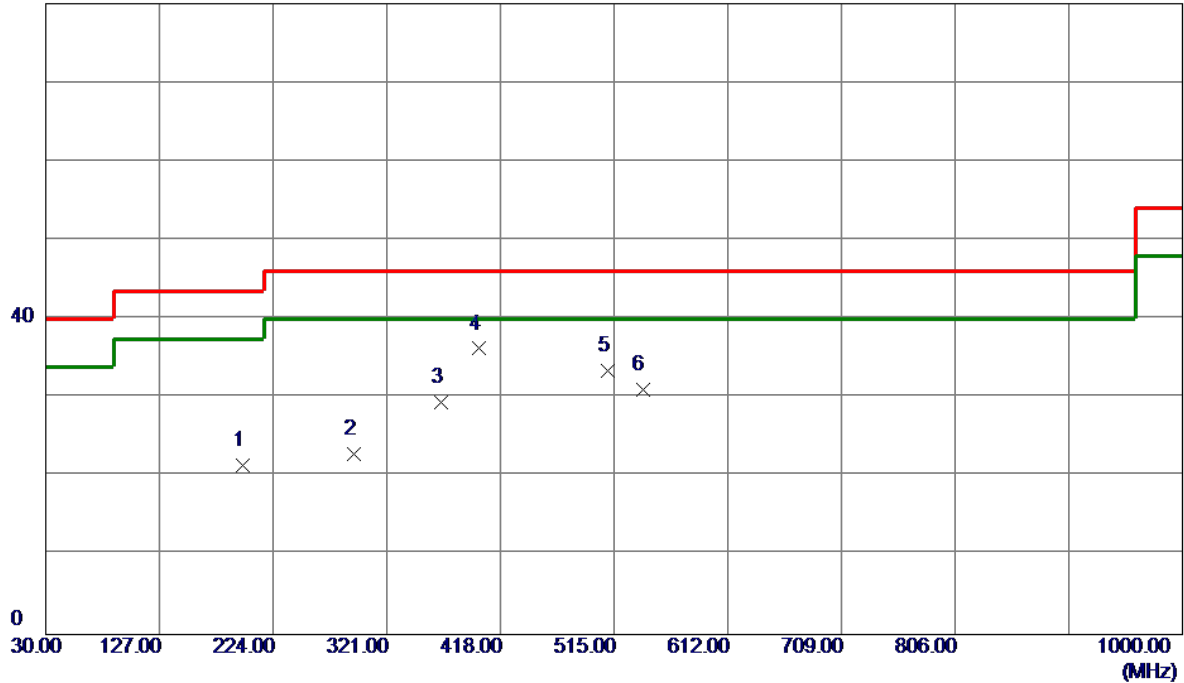
REMARKS:

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

Test Mode: TX N20 Mode Channel 06

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	197.8100	36.13	-14.65	21.48	43.50	-22.02	Peak	
2	292.8700	34.27	-11.34	22.93	46.00	-23.07	Peak	
3	367.5600	39.18	-9.78	29.40	46.00	-16.60	Peak	
4 *	399.5700	45.26	-9.02	36.24	46.00	-9.76	Peak	
5	509.1800	40.66	-7.18	33.48	46.00	-12.52	Peak	
6	539.2500	37.90	-6.90	31.00	46.00	-15.00	Peak	

REMARKS:

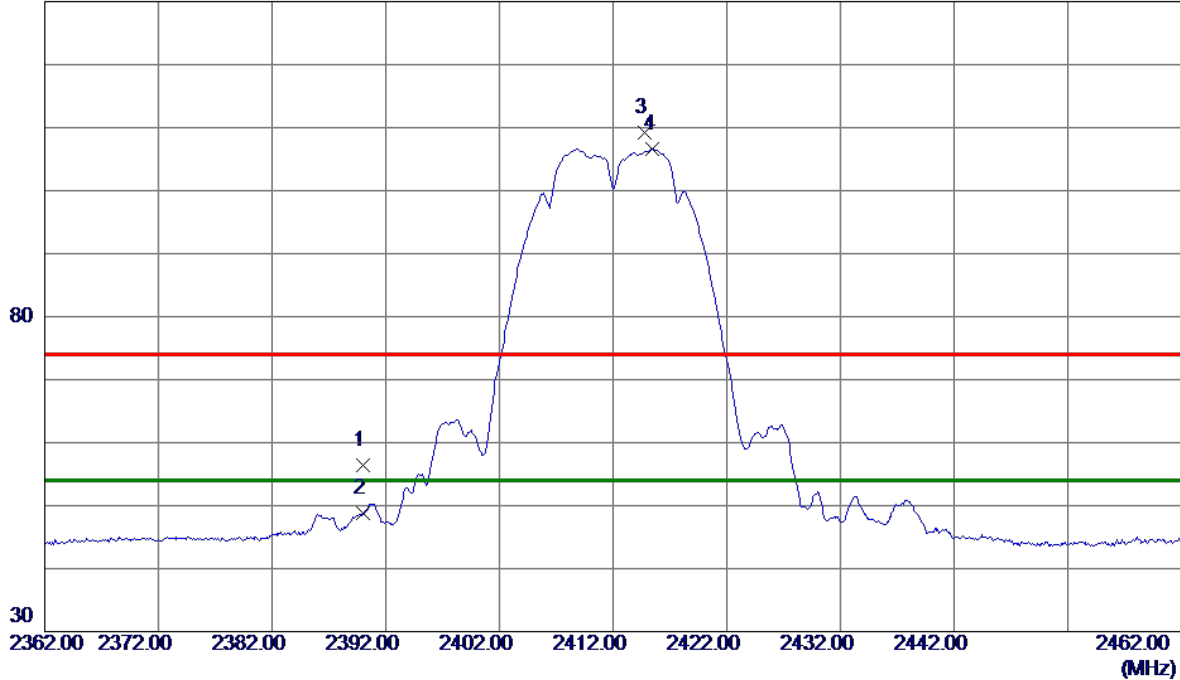
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

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	2390.0000	48.10	8.29	56.39	74.00	-17.61	Peak	
2	2390.0000	40.46	8.29	48.75	54.00	-5.25	AVG	
3	2414.8000	100.90	8.31	109.21	74.00	35.21	Peak	No Limit
4 *	2415.5000	98.33	8.31	106.64	54.00	52.64	AVG	No Limit

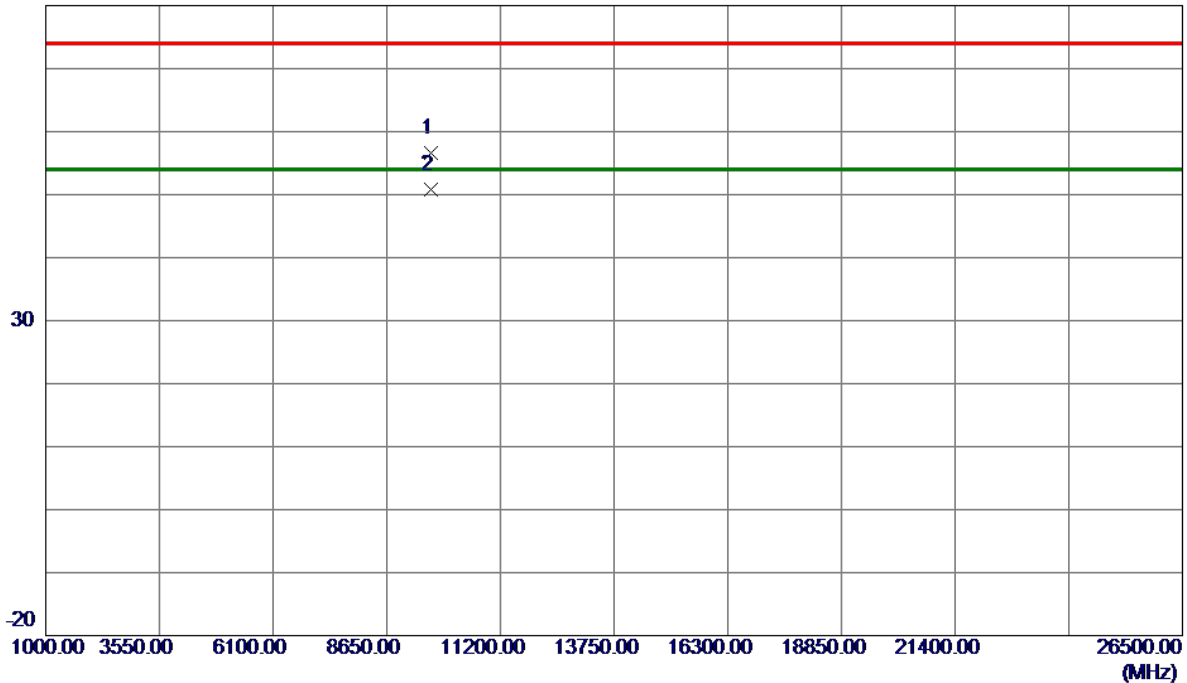
REMARKS:

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

Test Mode:	TX B Mode 2412 MHz
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Vertical

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9648.0260	43.70	12.88	56.58	74.00	-17.42	Peak	
2 *	9648.1140	37.90	12.88	50.78	54.00	-3.22	AVG	

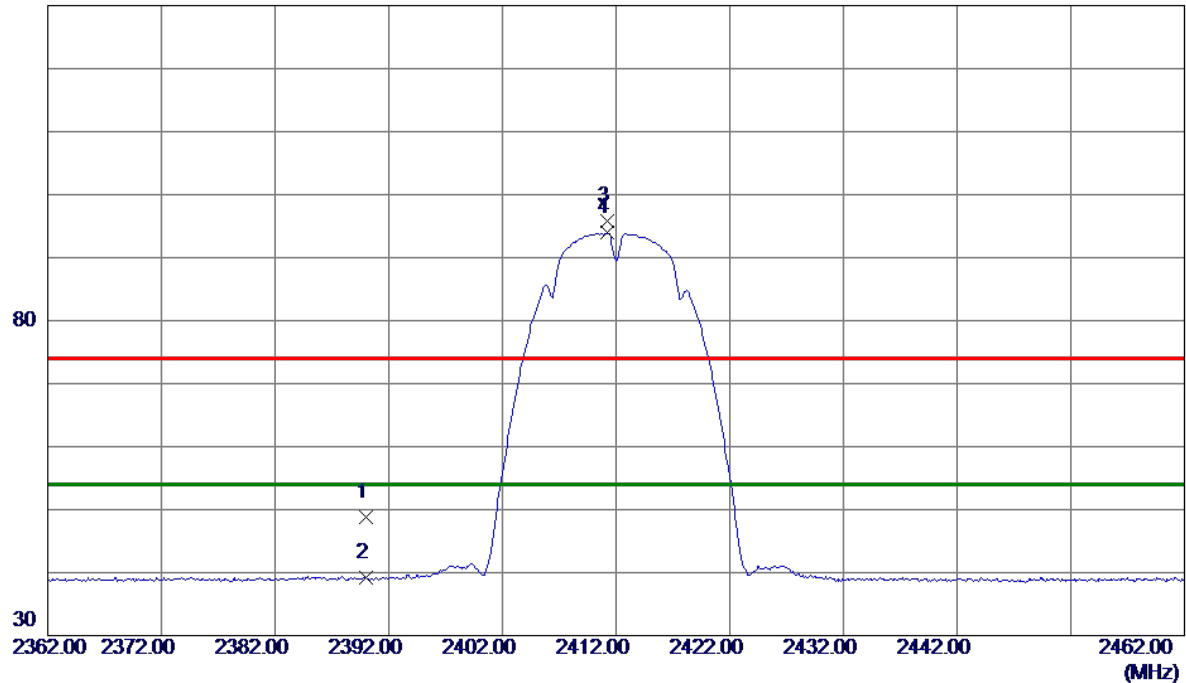
REMARKS:

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

Test Mode: TX B Mode 2412 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	40.55	8.29	48.84	74.00	-25.16	Peak	
2	2390.0000	30.88	8.29	39.17	54.00	-14.83	AVG	
3	2411.2000	87.56	8.31	95.87	74.00	21.87	Peak	No Limit
4 *	2411.2000	85.59	8.31	93.90	54.00	39.90	AVG	No Limit

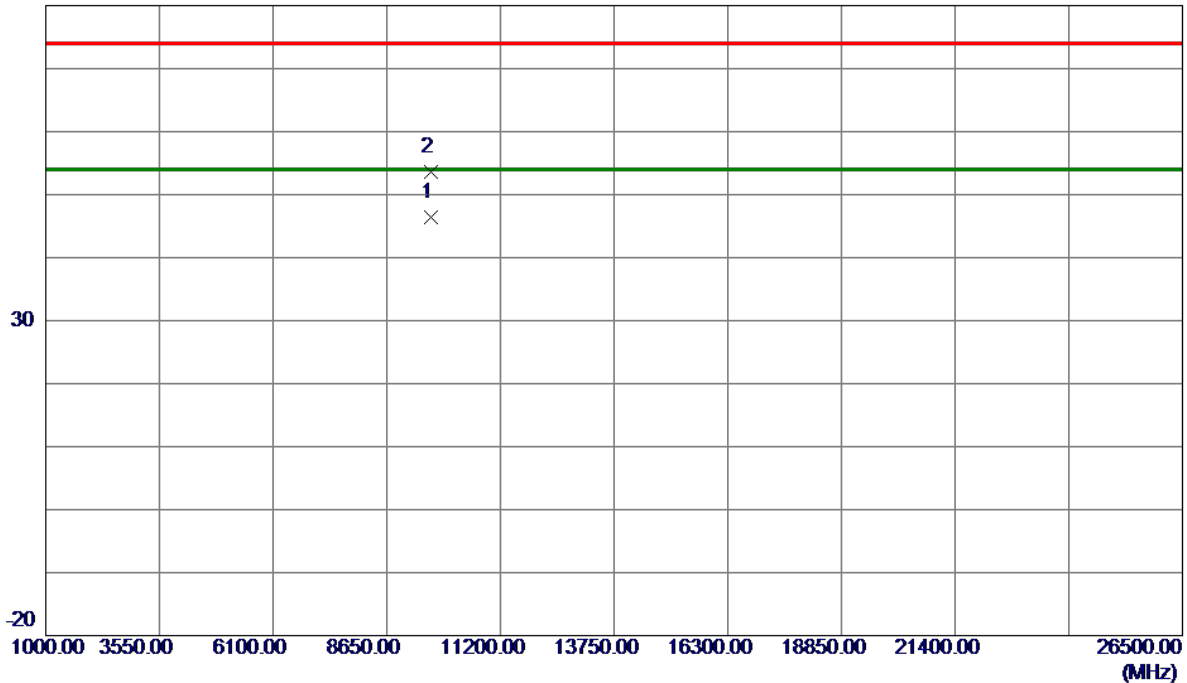
REMARKS:

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

Test Mode:	TX B Mode 2412 MHz
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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 *	9648.1100	33.47	12.88	46.35	54.00	-7.65	AVG	
2	9648.1600	40.68	12.88	53.56	74.00	-20.44	Peak	

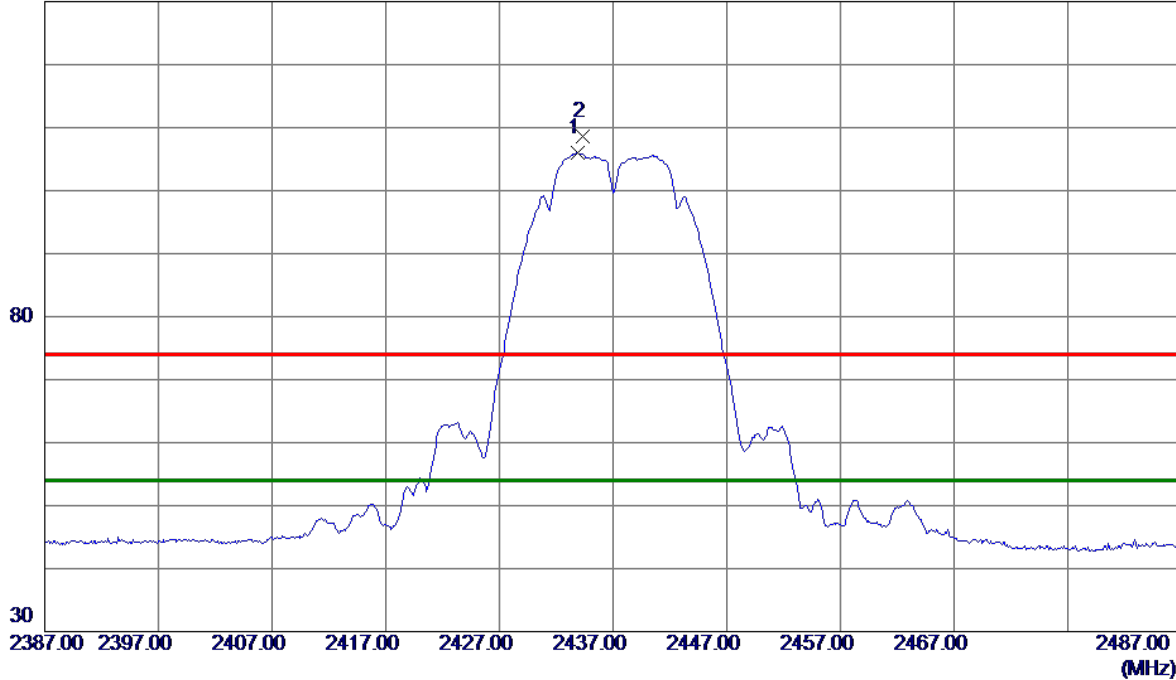
REMARKS:

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

Test Mode: TX B Mode 2437 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2433.9000	97.69	8.33	106.02	54.00	52.02	AVG	No Limit
2	2434.3000	100.28	8.33	108.61	74.00	34.61	Peak	No Limit

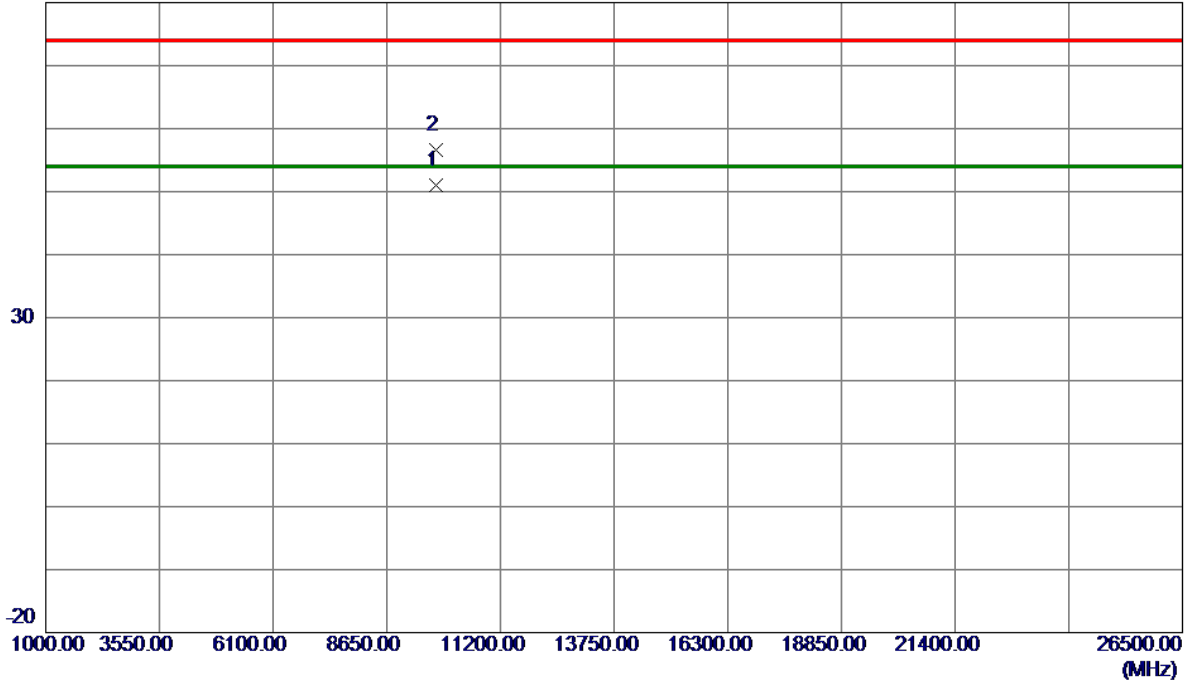
REMARKS:

- (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 *	9748.0980	37.95	12.97	50.92	54.00	-3.08	AVG	
2	9748.1640	43.66	12.97	56.63	74.00	-17.37	Peak	

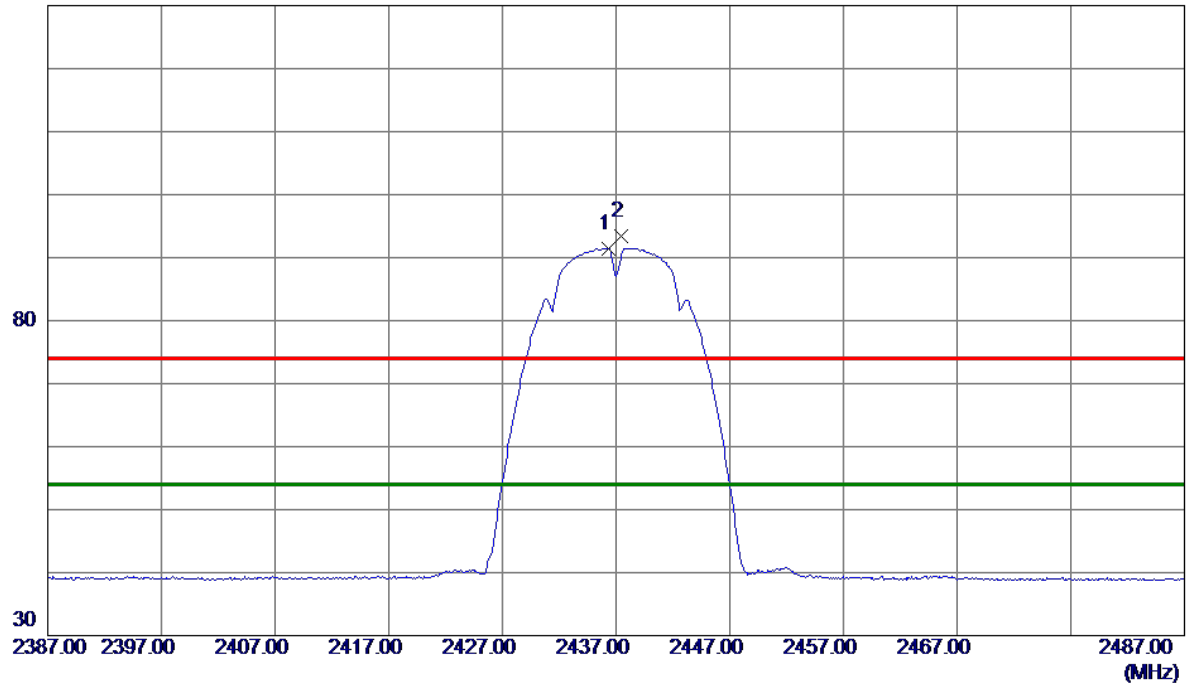
REMARKS:

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

Test Mode: TX B Mode 2437 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2436.3000	83.13	8.34	91.47	54.00	37.47	AVG	No Limit
2	2437.4000	85.07	8.34	93.41	74.00	19.41	Peak	No Limit

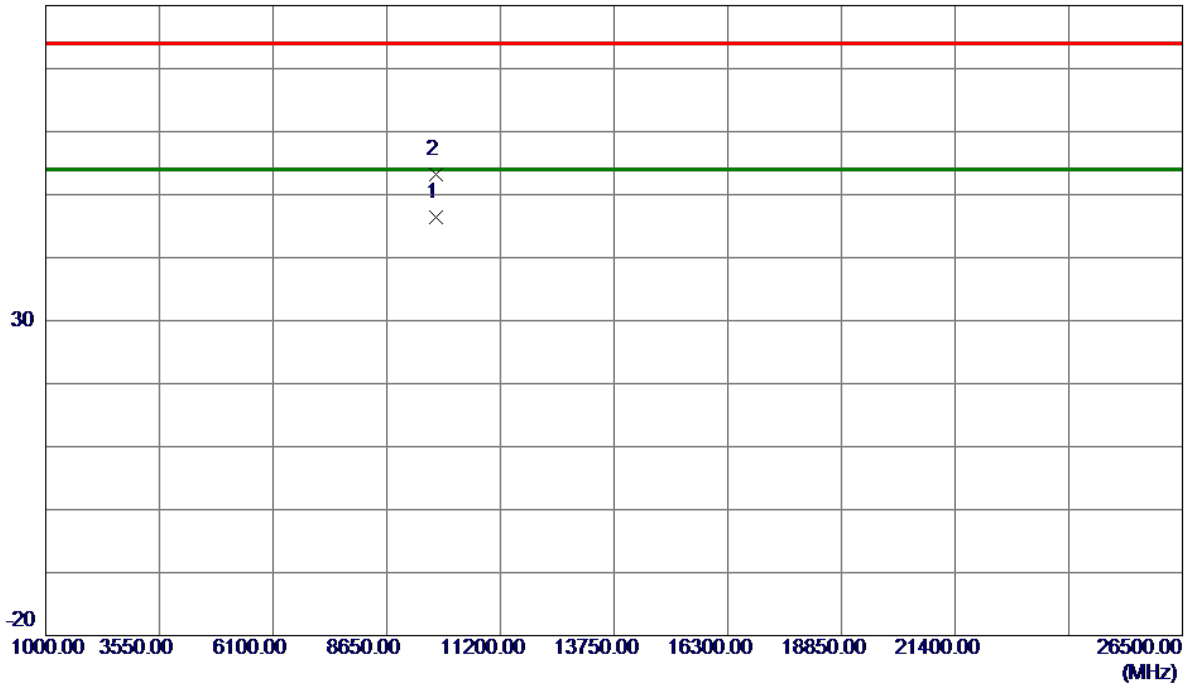
REMARKS:

- (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 *	9745.9000	33.48	12.96	46.44	54.00	-7.56	AVG	
2	9746.7350	40.25	12.96	53.21	74.00	-20.79	Peak	

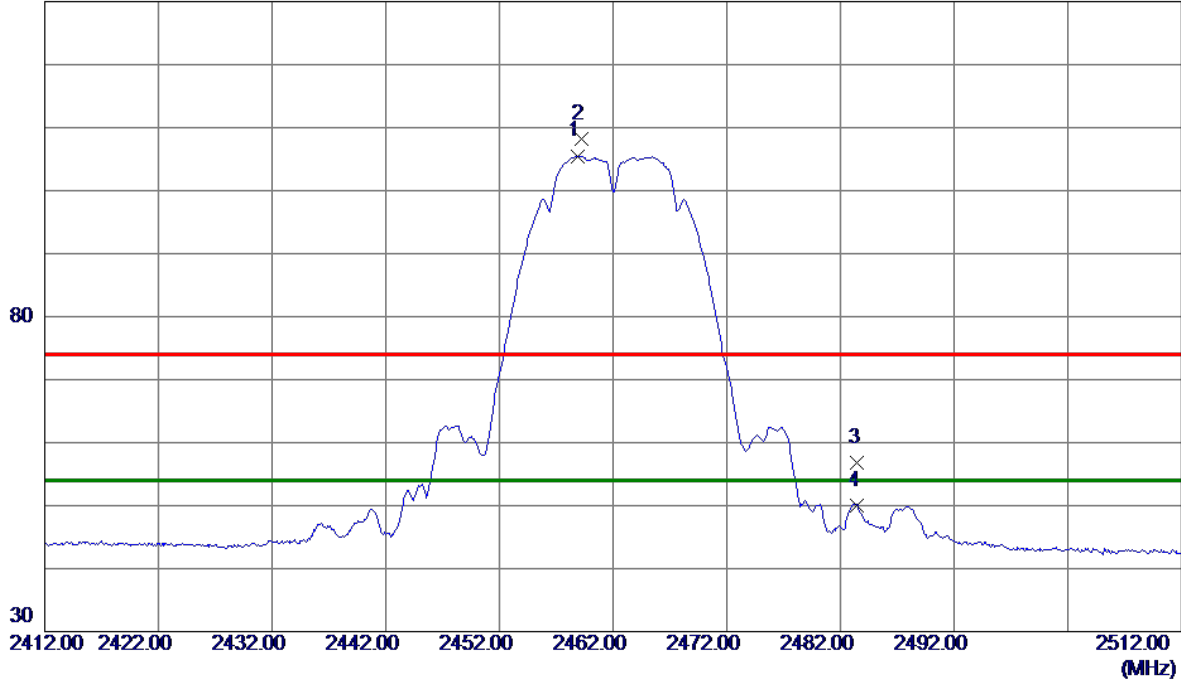
REMARKS:

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

Test Mode: TX 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 *	2458.9000	97.14	8.36	105.50	54.00	51.50	AVG	No Limit
2	2459.2000	99.75	8.36	108.11	74.00	34.11	Peak	No Limit
3	2483.5000	48.38	8.39	56.77	74.00	-17.23	Peak	
4	2483.5000	41.63	8.39	50.02	54.00	-3.98	AVG	

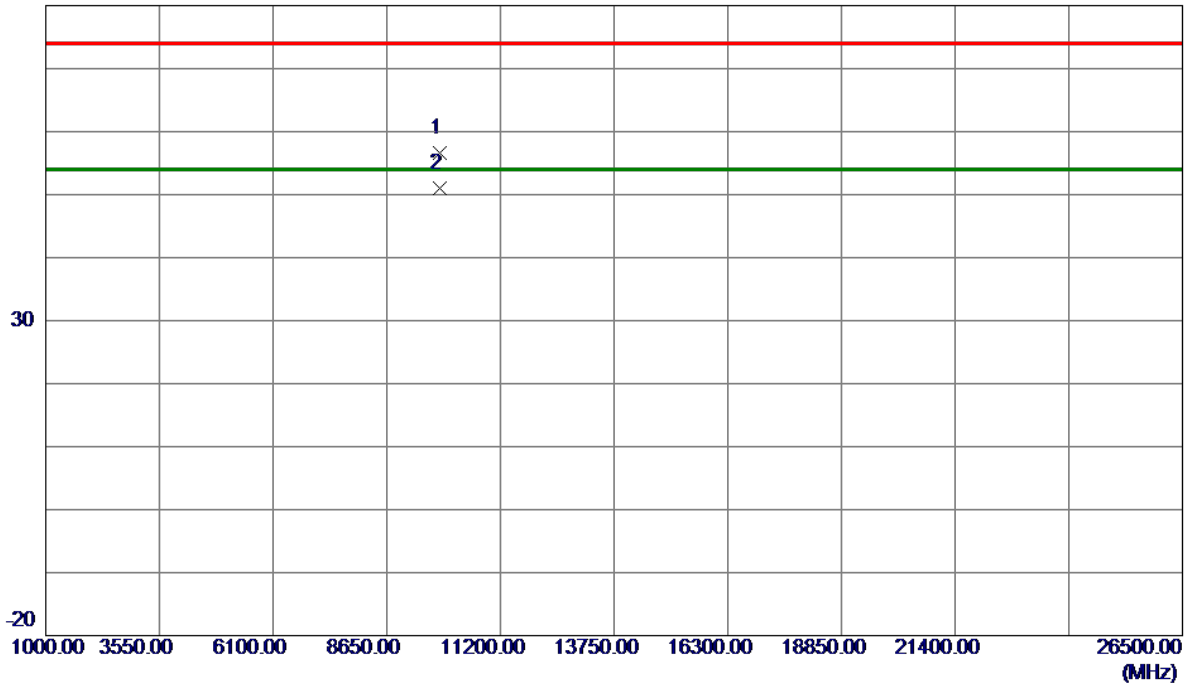
REMARKS:

- (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	9848.0679	43.64	13.05	56.69	74.00	-17.31	Peak	
2 *	9848.1140	37.90	13.05	50.95	54.00	-3.05	AVG	

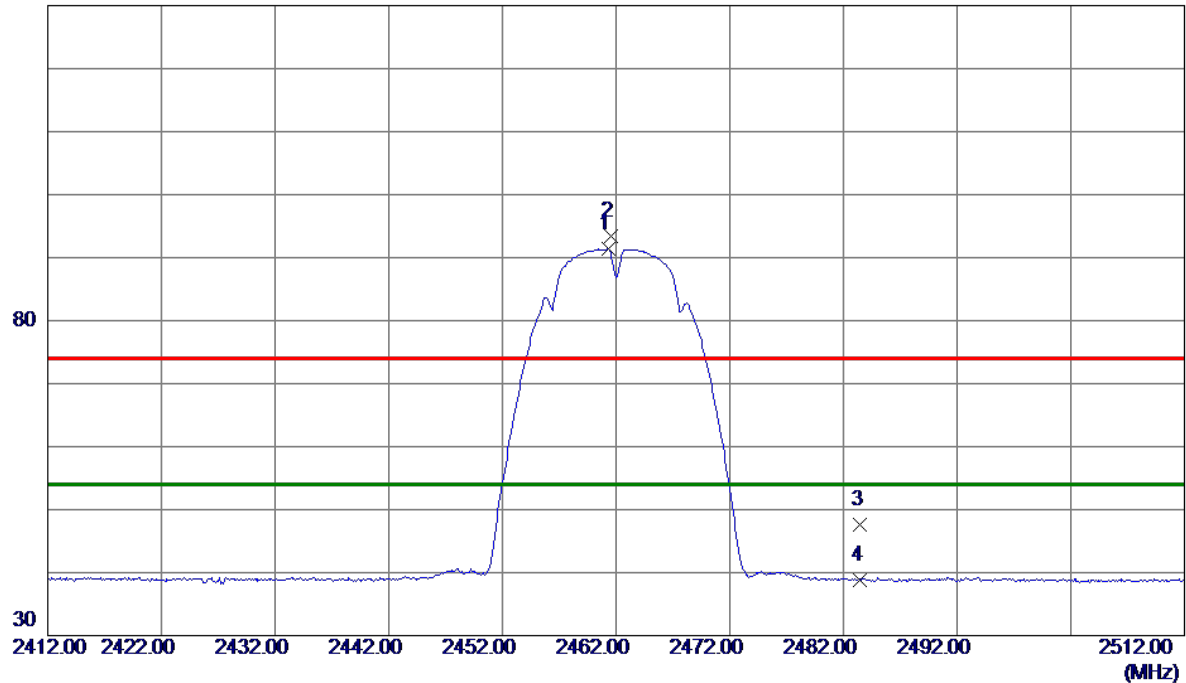
REMARKS:

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

Test Mode: TX B Mode 2462 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2461.3000	83.03	8.36	91.39	54.00	37.39	AVG	No Limit
2	2461.6000	84.97	8.36	93.33	74.00	19.33	Peak	No Limit
3	2483.5000	39.30	8.39	47.69	74.00	-26.31	Peak	
4	2483.5000	30.50	8.39	38.89	54.00	-15.11	AVG	

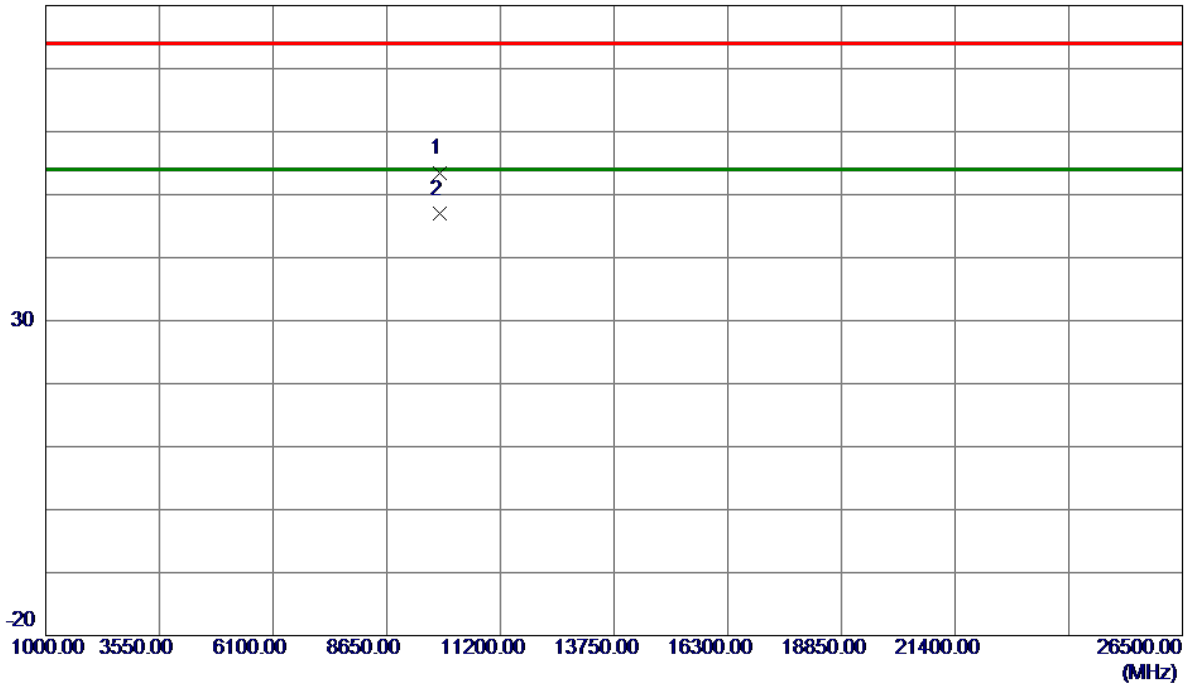
REMARKS:

- (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	9846.8000	40.36	13.05	53.41	74.00	-20.59	Peak	
2 *	9848.3500	33.85	13.05	46.90	54.00	-7.10	AVG	

REMARKS:

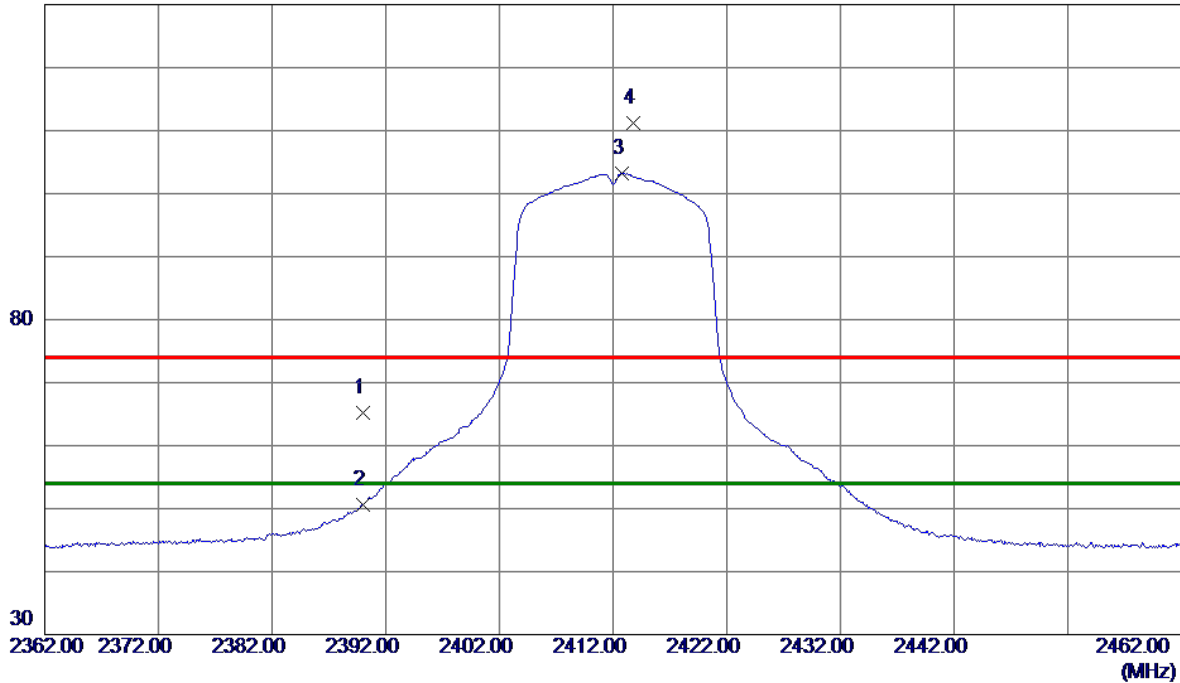
(1) Measurement Value = Reading Level + Correct Factor.

(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	56.88	8.29	65.17	74.00	-8.83	Peak	
2	2390.0000	42.29	8.29	50.58	54.00	-3.42	AVG	
3 *	2412.8000	94.93	8.31	103.24	54.00	49.24	AVG	No Limit
4	2413.8000	102.91	8.31	111.22	74.00	37.22	Peak	No Limit

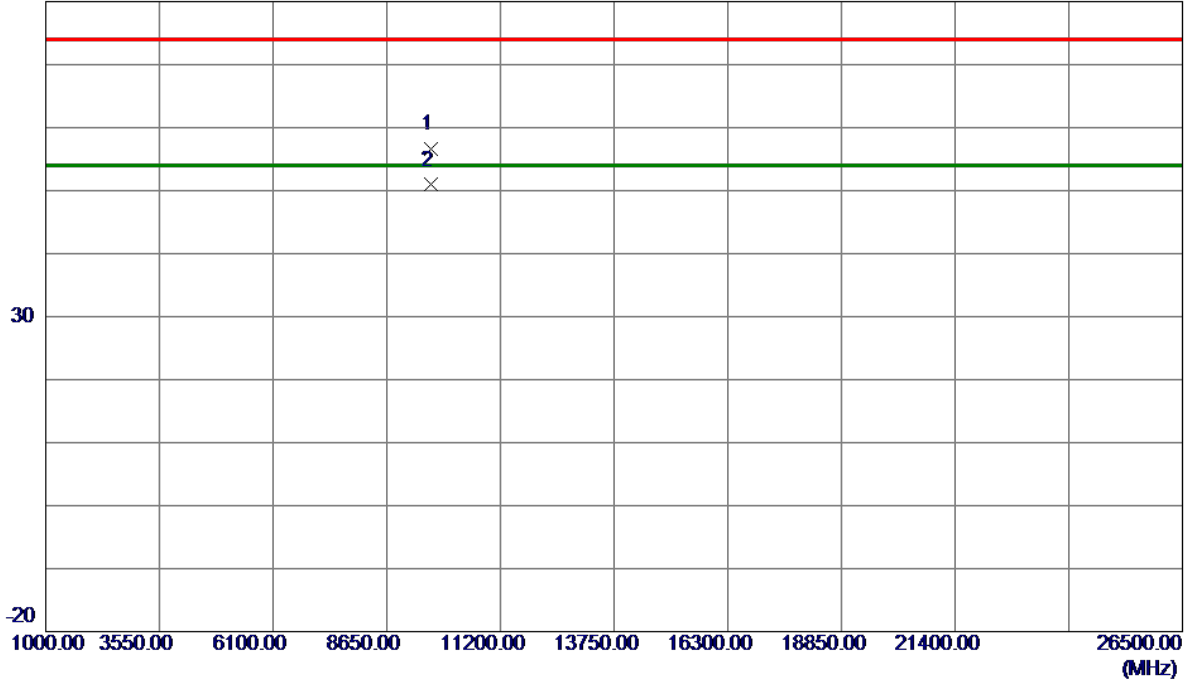
REMARKS:

- (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	9648.0060	43.67	12.88	56.55	74.00	-17.45	Peak	
2 *	9648.1520	38.02	12.88	50.90	54.00	-3.10	AVG	

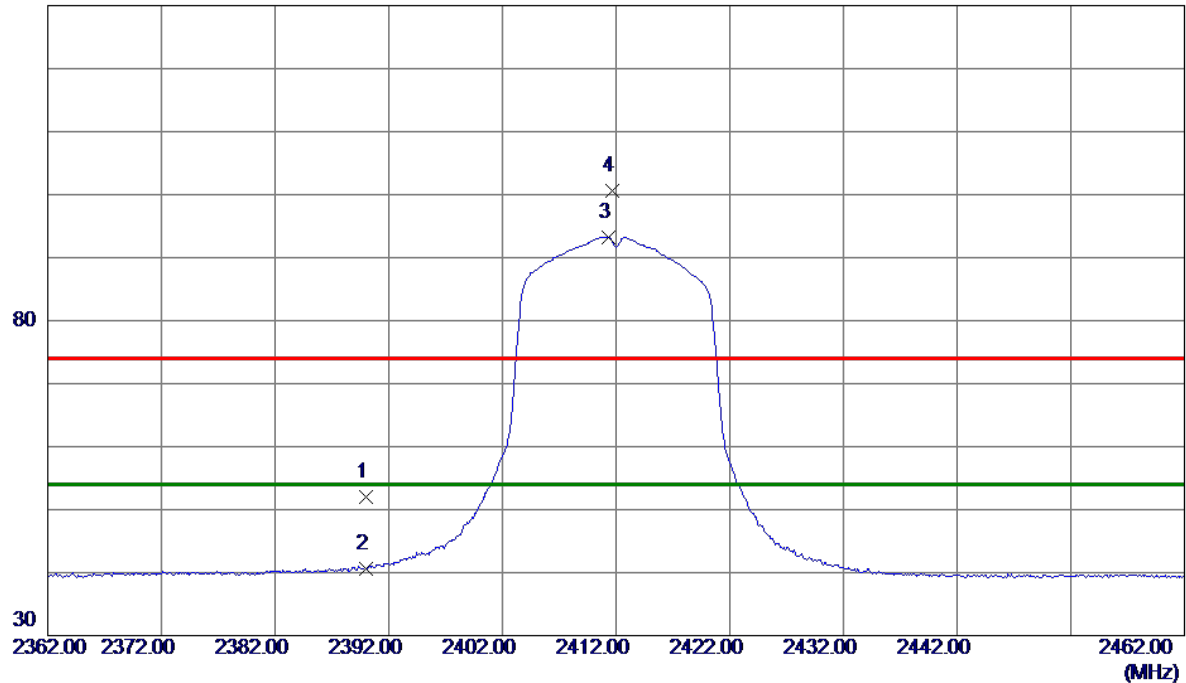
REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	43.64	8.29	51.93	74.00	-22.07	Peak	
2	2390.0000	32.26	8.29	40.55	54.00	-13.45	AVG	
3 *	2411.3000	84.97	8.31	93.28	54.00	39.28	AVG	No Limit
4	2411.7000	92.30	8.31	100.61	74.00	26.61	Peak	No Limit

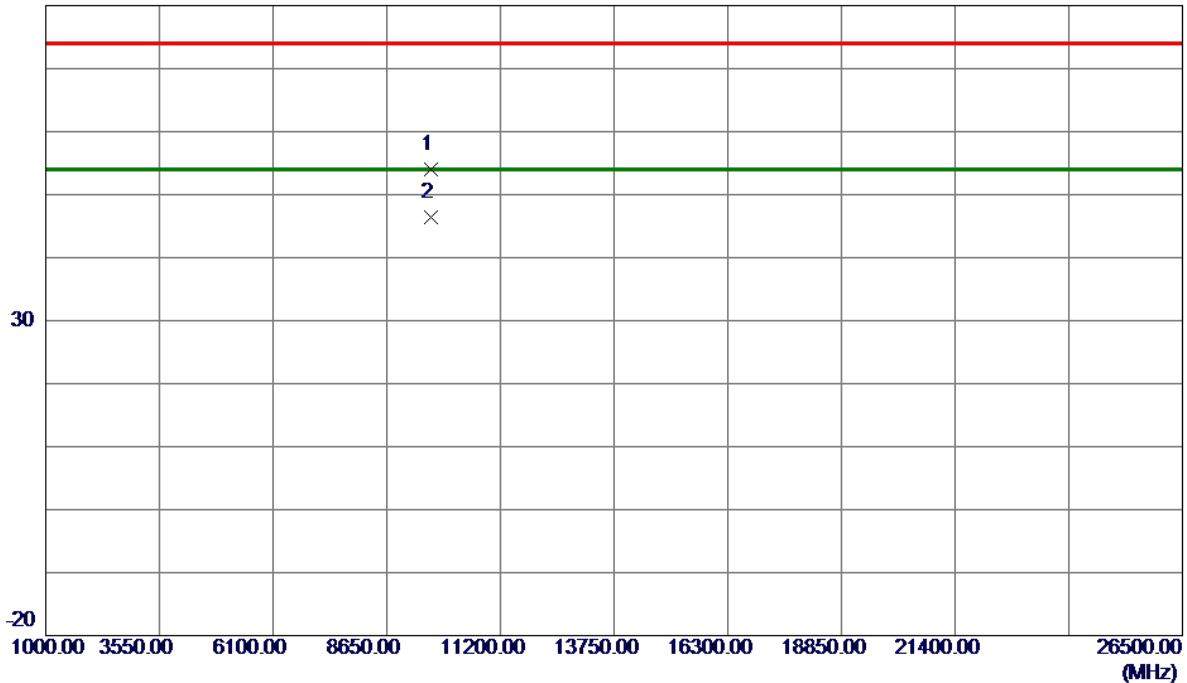
REMARKS:

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

Test Mode: TX G Mode 2412 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9648.0150	41.05	12.88	53.93	74.00	-20.07	Peak	
2 *	9648.0950	33.43	12.88	46.31	54.00	-7.69	AVG	

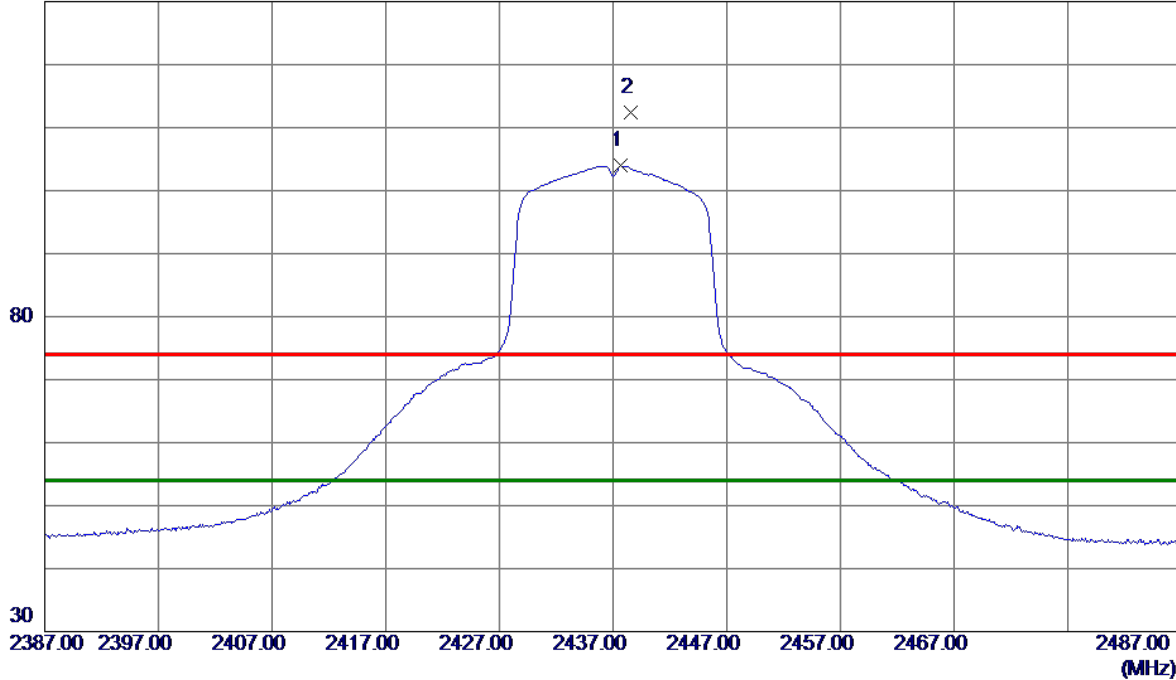
REMARKS:

- (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 *	2437.7000	95.59	8.34	103.93	54.00	49.93	AVG	No Limit
2	2438.6000	104.07	8.34	112.41	74.00	38.41	Peak	No Limit

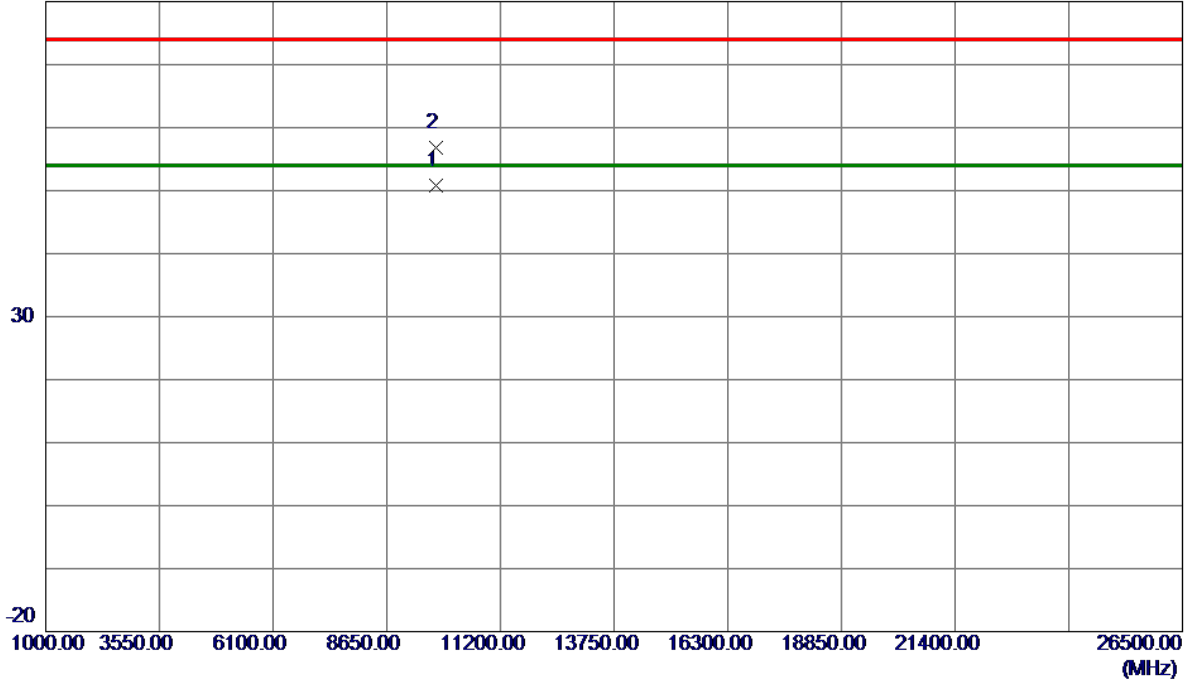
REMARKS:

- (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



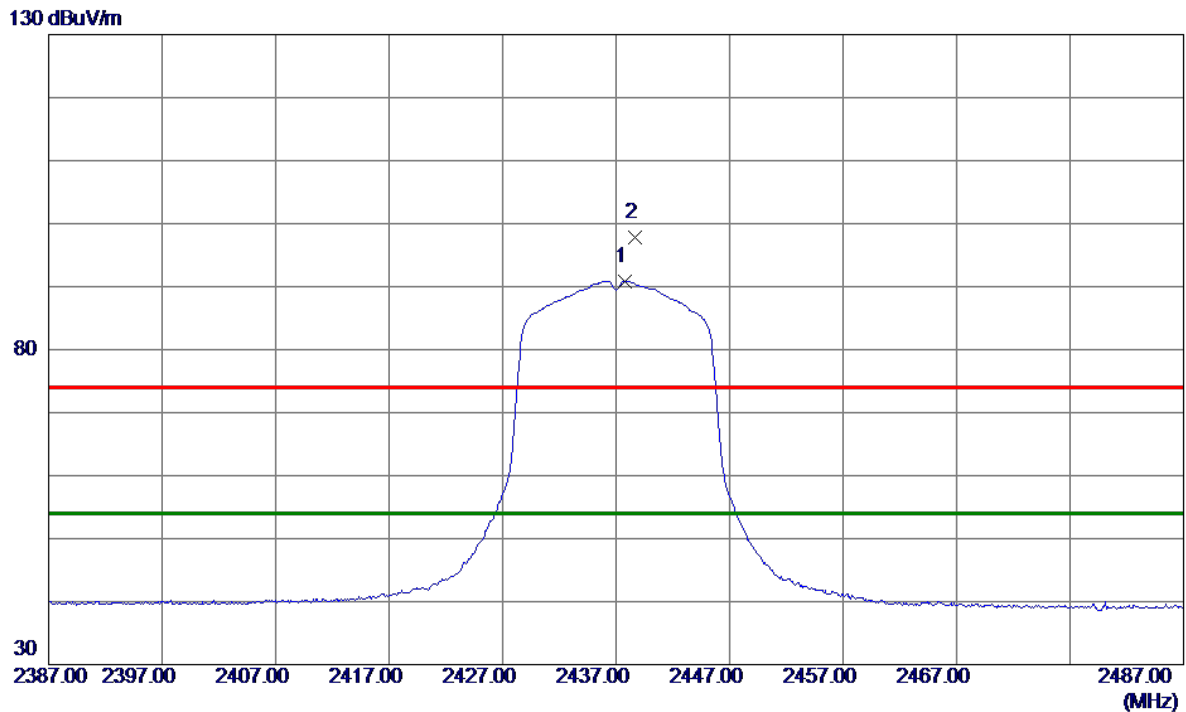
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	9748.1080	37.92	12.97	50.89	54.00	-3.11	AVG	
2	9748.2680	43.87	12.97	56.84	74.00	-17.16	Peak	

REMARKS:

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

Test Mode: TX G Mode 2437 MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2437.8000	82.55	8.34	90.89	54.00	36.89	AVG	No Limit
2	2438.7000	89.53	8.34	97.87	74.00	23.87	Peak	No Limit

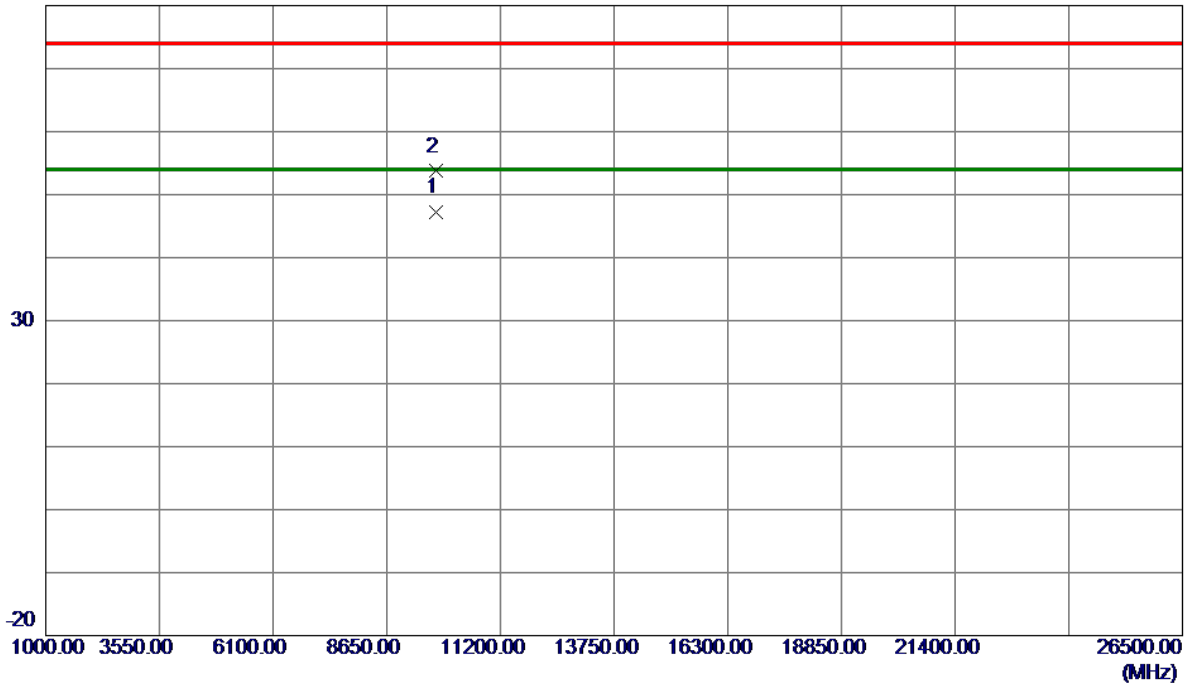
REMARKS:

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

Test Mode: TX G Mode 2437 MHz

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 *	9746.3200	34.25	12.96	47.21	54.00	-6.79	AVG	
2	9747.3850	40.73	12.97	53.70	74.00	-20.30	Peak	

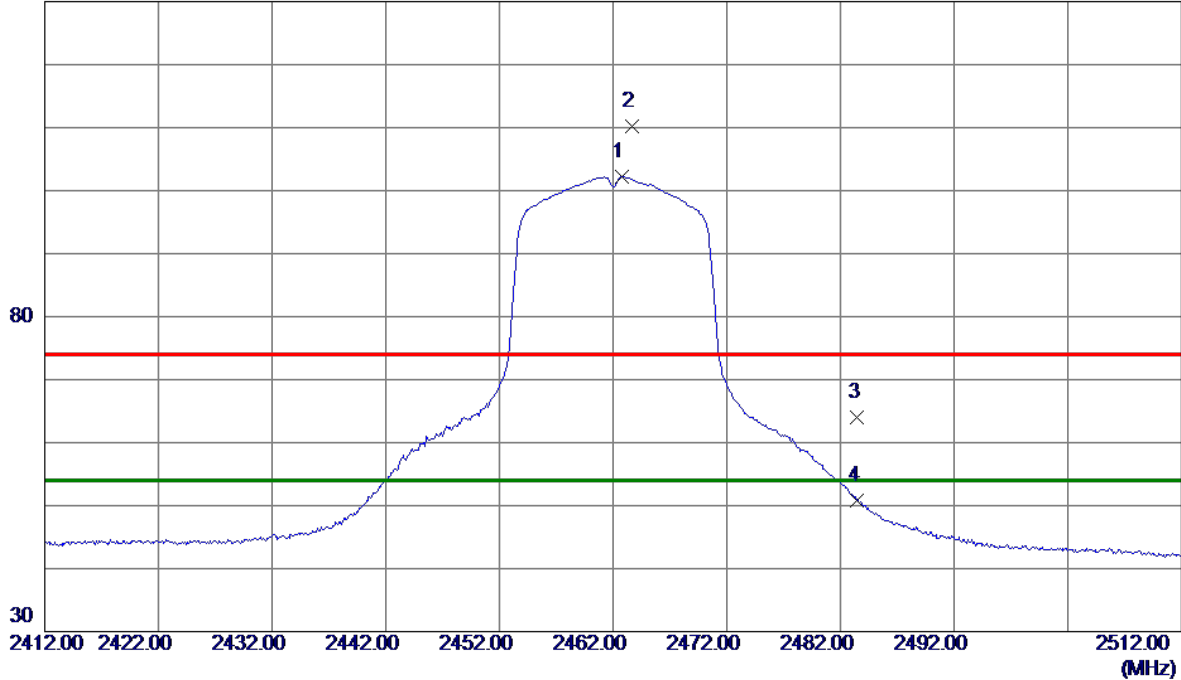
REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2462.8000	93.85	8.37	102.22	54.00	48.22	AVG	No Limit
2	2463.7000	101.85	8.37	110.22	74.00	36.22	Peak	No Limit
3	2483.5000	55.64	8.39	64.03	74.00	-9.97	Peak	
4	2483.5000	42.48	8.39	50.87	54.00	-3.13	AVG	

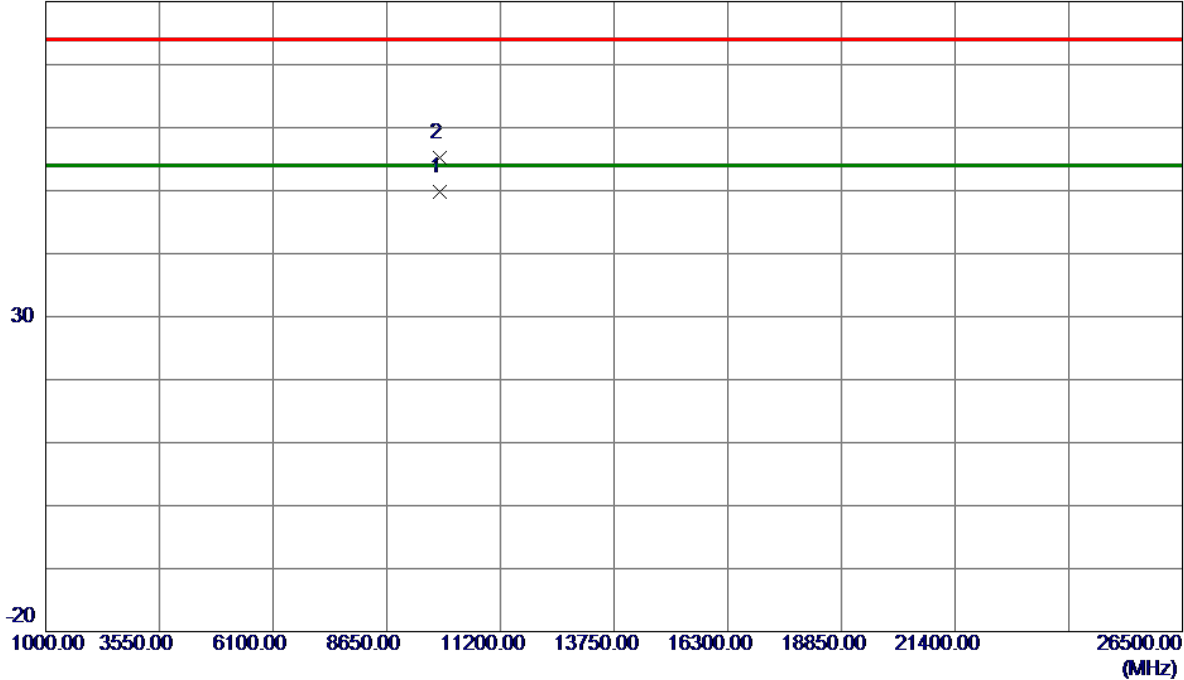
REMARKS:

- (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 *	9848.0980	36.79	13.05	49.84	54.00	-4.16	AVG	
2	9848.2619	42.20	13.05	55.25	74.00	-18.75	Peak	

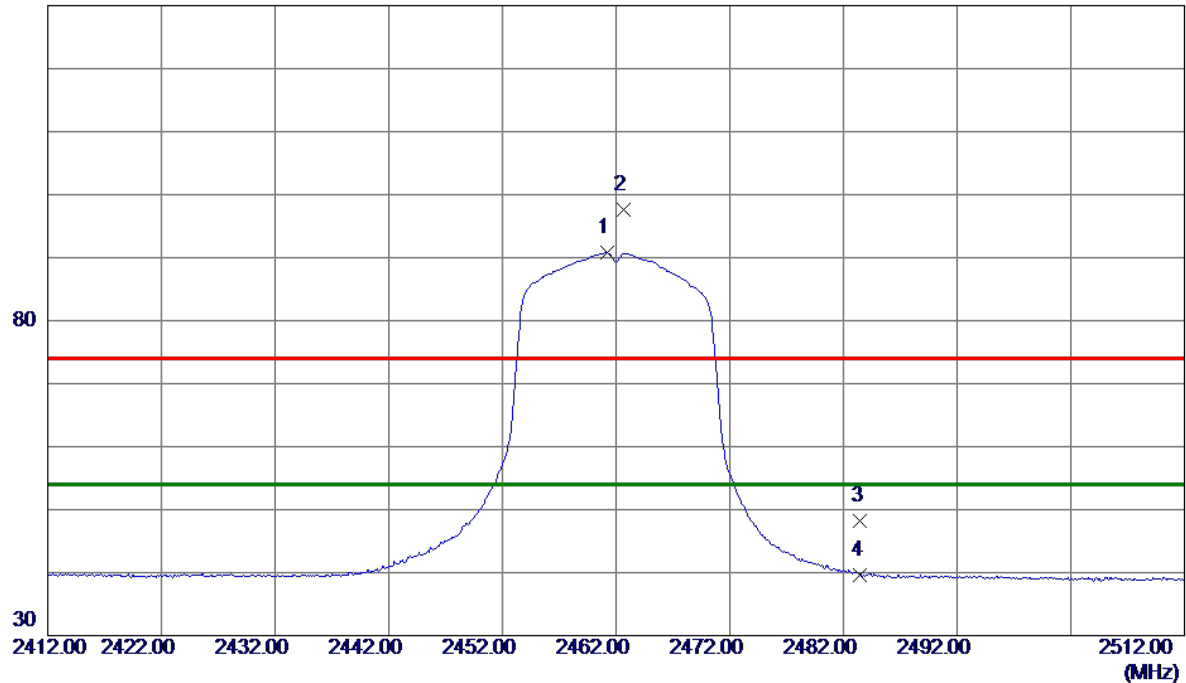
REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2461.2000	82.41	8.36	90.77	54.00	36.77	AVG	No Limit
2	2462.7000	89.18	8.37	97.55	74.00	23.55	Peak	No Limit
3	2483.5000	39.80	8.39	48.19	74.00	-25.81	Peak	
4	2483.5000	31.20	8.39	39.59	54.00	-14.41	AVG	

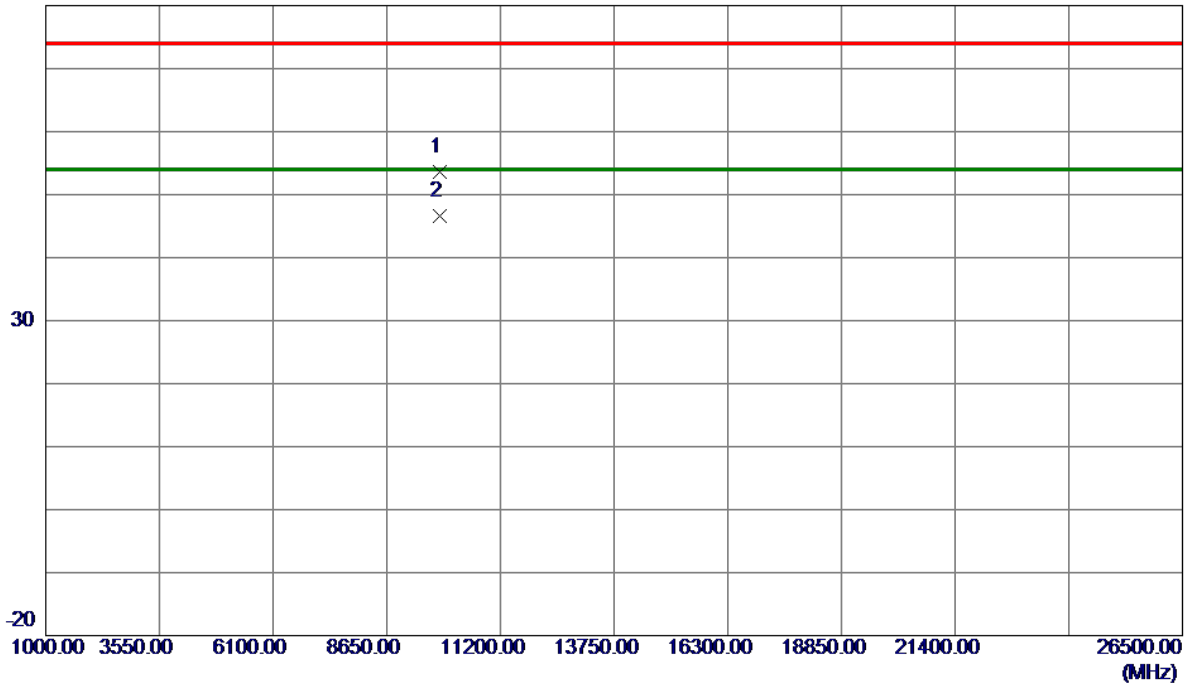
REMARKS:

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

Test Mode: TX G Mode 2462 MHz

Horizontal

80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9850.3300	40.59	13.05	53.64	74.00	-20.36	Peak	
2 *	9850.3450	33.48	13.05	46.53	54.00	-7.47	AVG	

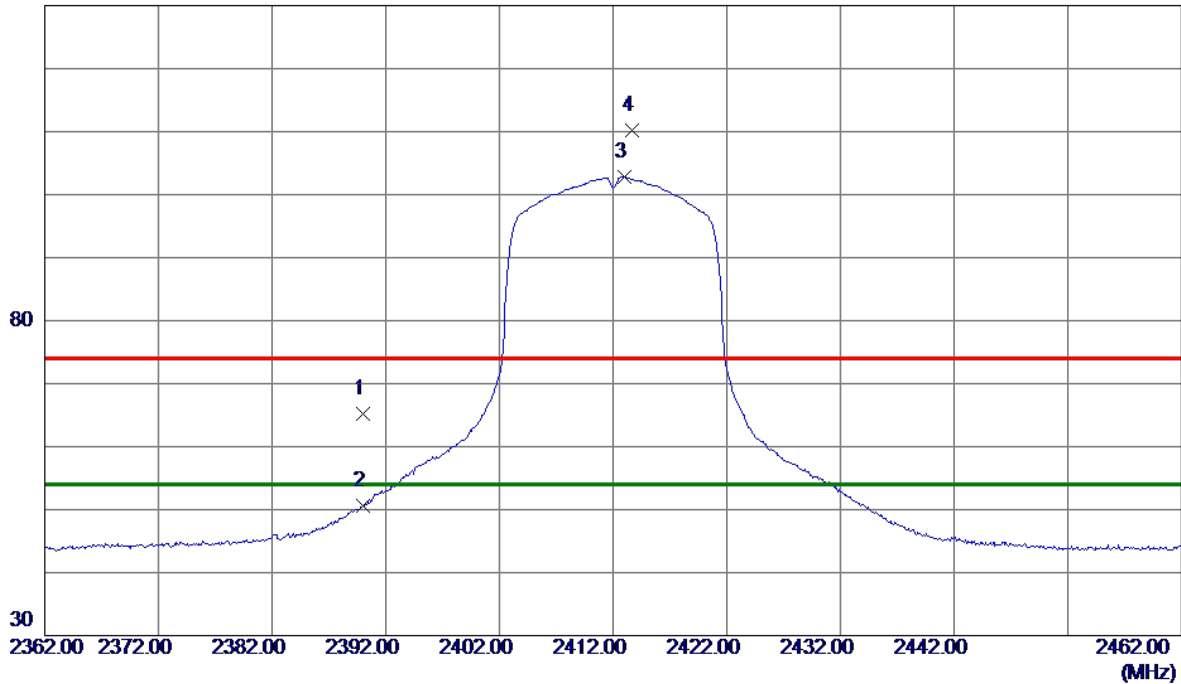
REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	56.87	8.29	65.16	74.00	-8.84	Peak	
2	2390.0000	42.31	8.29	50.60	54.00	-3.40	AVG	
3 *	2413.0000	94.48	8.31	102.79	54.00	48.79	AVG	No Limit
4	2413.7000	101.82	8.31	110.13	74.00	36.13	Peak	No Limit

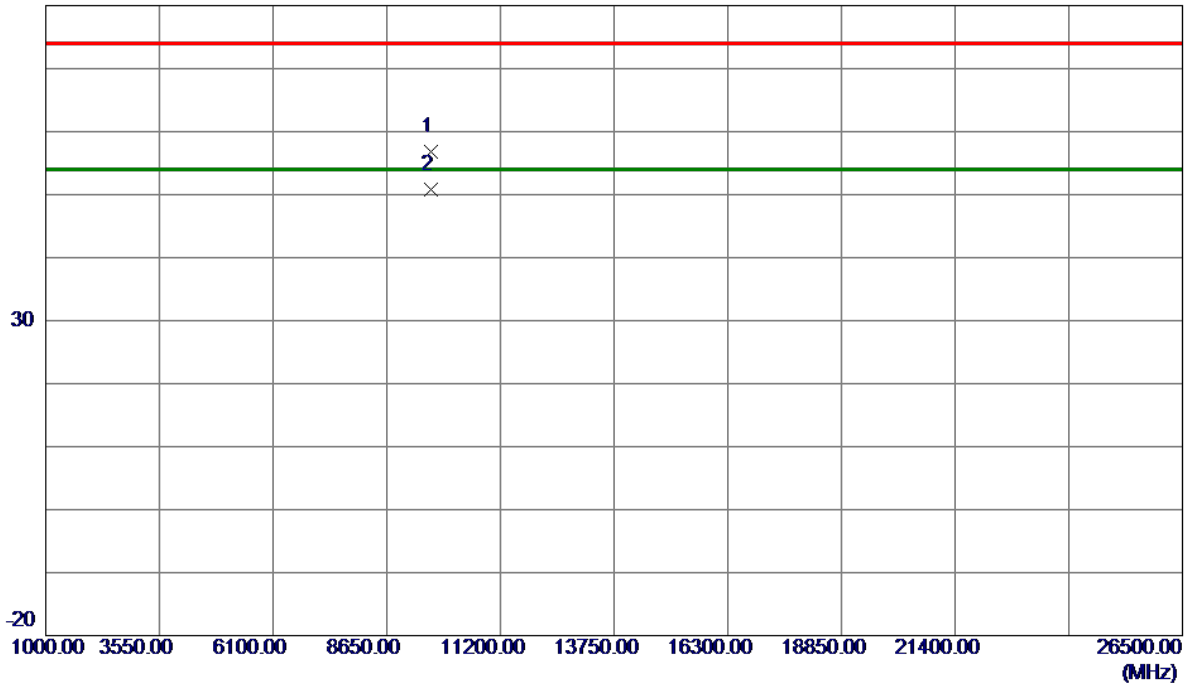
REMARKS:

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

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

80 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9648.1120	43.94	12.88	56.82	74.00	-17.18	Peak	
2 *	9648.1560	37.92	12.88	50.80	54.00	-3.20	AVG	

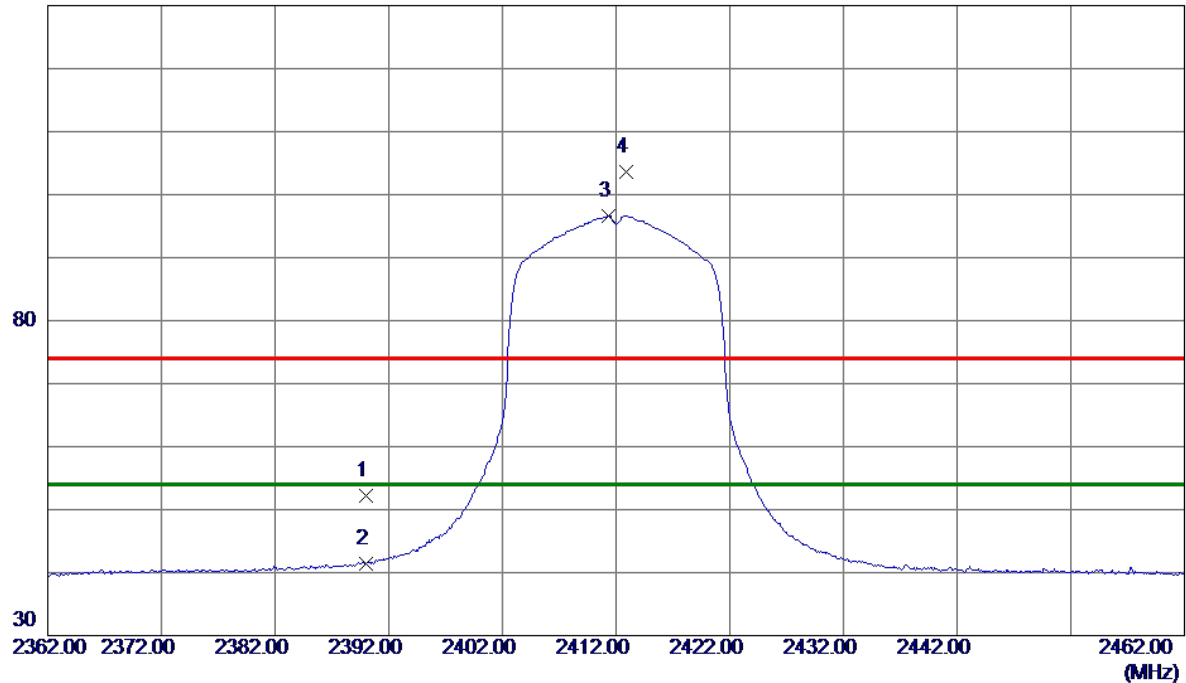
REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	43.88	8.29	52.17	74.00	-21.83	Peak	
2	2390.0000	33.19	8.29	41.48	54.00	-12.52	AVG	
3 *	2411.3000	88.33	8.31	96.64	54.00	42.64	AVG	No Limit
4	2412.9000	95.29	8.31	103.60	74.00	29.60	Peak	No Limit

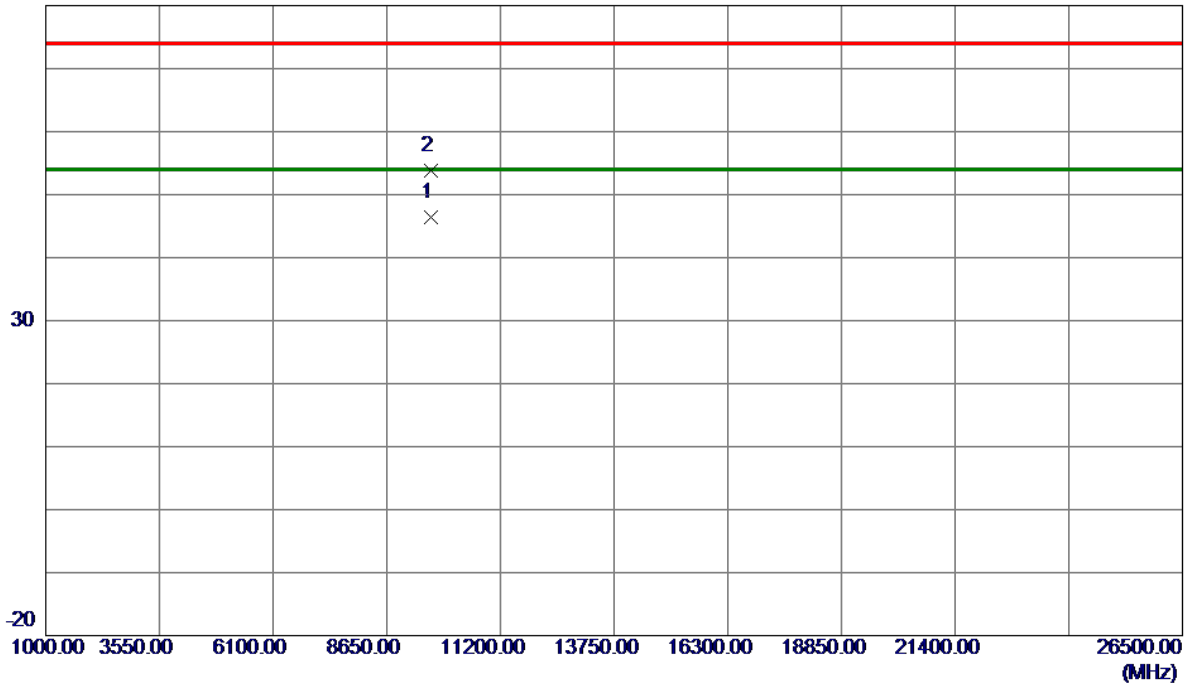
REMARKS:

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

Test Mode: TX N-20M Mode 2412 MHz

Horizontal

80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	9648.0300	33.61	12.88	46.49	54.00	-7.51	AVG	
2	9648.3949	40.98	12.88	53.86	74.00	-20.14	Peak	

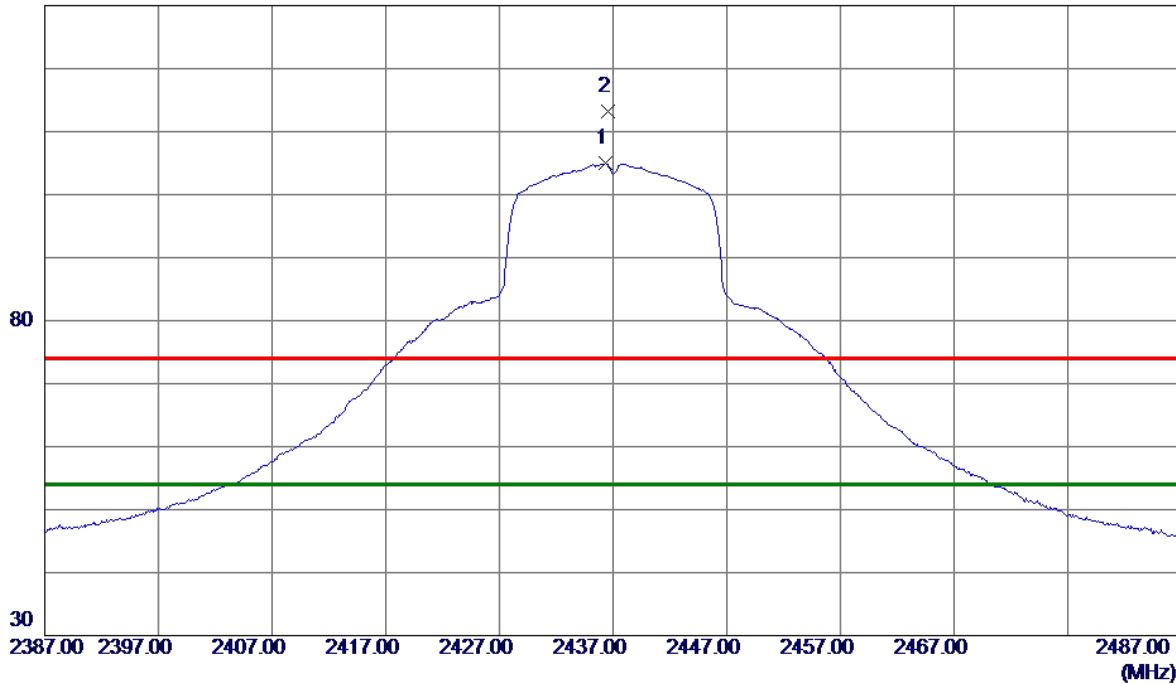
REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Vertical

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 *	2436.3000	96.61	8.34	104.95	54.00	50.95	AVG	No Limit
2	2436.6000	104.83	8.34	113.17	74.00	39.17	Peak	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

30

-20

1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00 (MHz)

No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	9748.0940	37.80	12.97	50.77	54.00	-3.23	AVG	
2	9748.1960	43.03	12.97	56.00	74.00	-18.00	Peak	

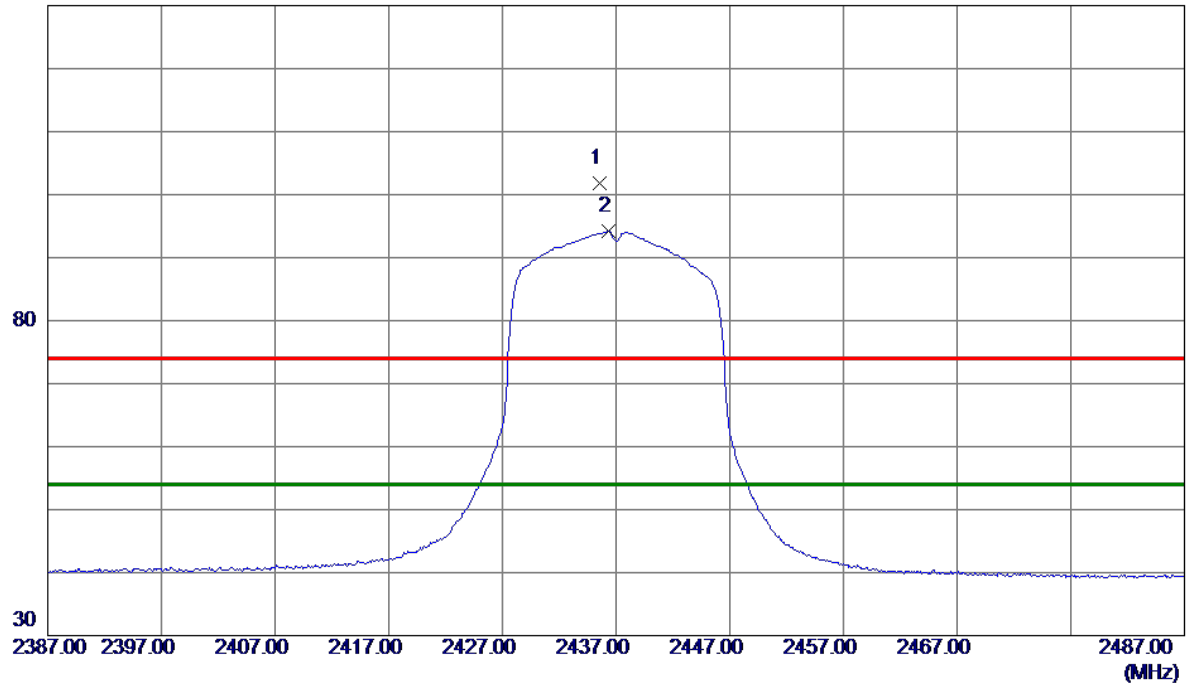
REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2435.6000	93.46	8.34	101.80	74.00	27.80	Peak	No Limit
2 *	2436.3000	85.83	8.34	94.17	54.00	40.17	AVG	No Limit

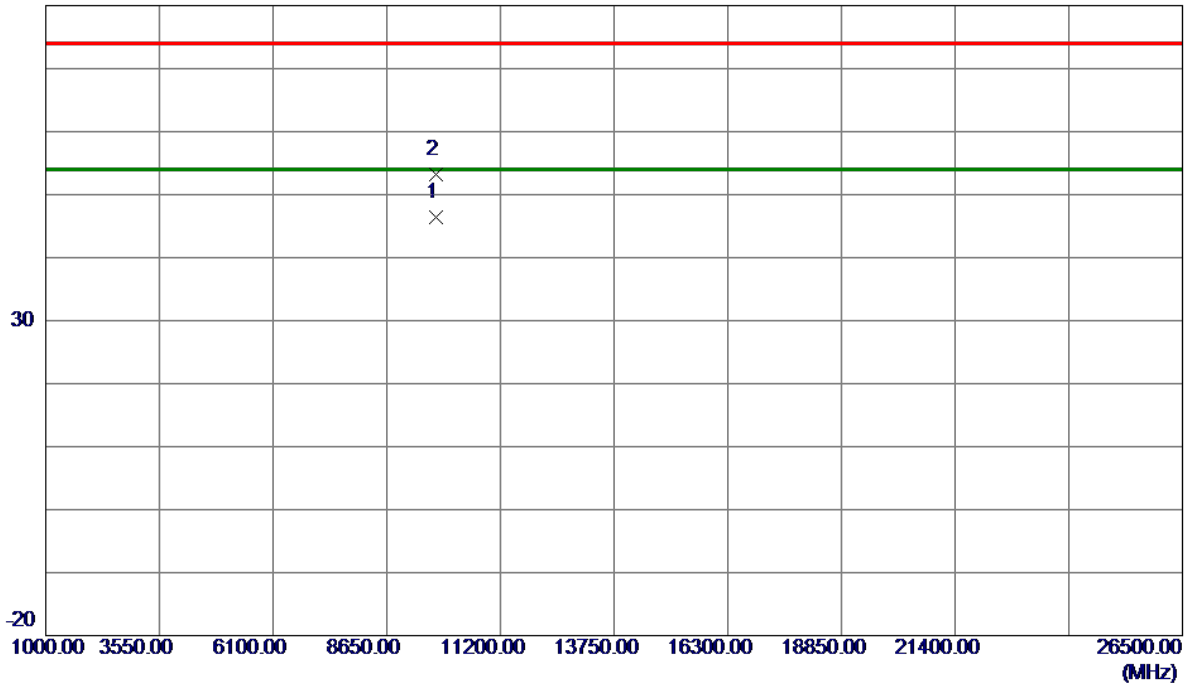
REMARKS:

- (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 *	9748.7600	33.46	12.97	46.43	54.00	-7.57	AVG	
2	9748.8800	40.32	12.97	53.29	74.00	-20.71	Peak	

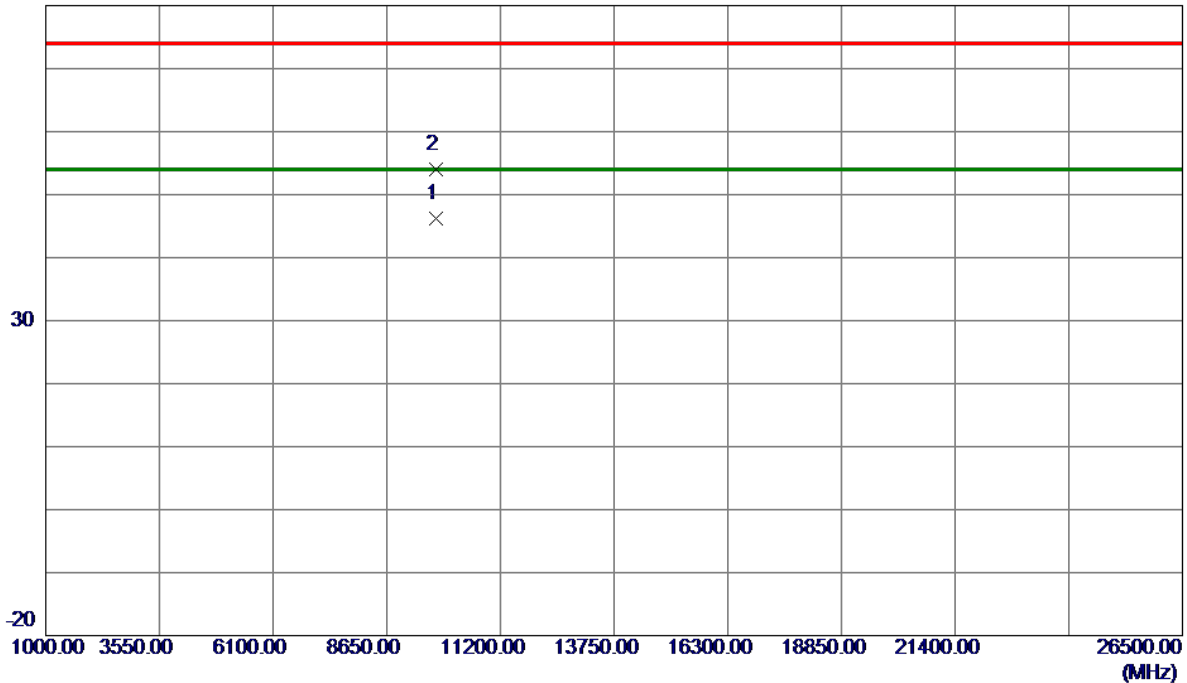
REMARKS:

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

Test Mode: TX N-20M Mode 2437 MHz

Horizontal

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 *	9745.9349	33.21	12.96	46.17	54.00	-7.83	AVG	
2	9747.8650	41.01	12.97	53.98	74.00	-20.02	Peak	

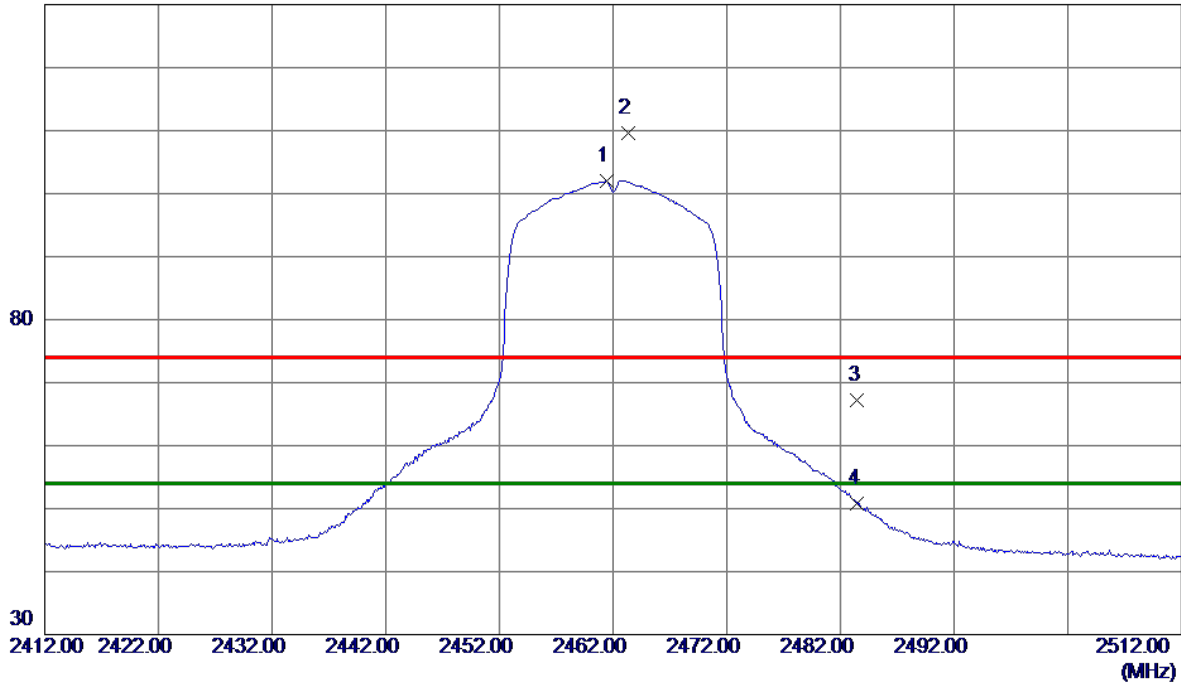
REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2461.4000	93.67	8.36	102.03	54.00	48.03	AVG	No Limit
2	2463.3000	101.29	8.37	109.66	74.00	35.66	Peak	No Limit
3	2483.5000	58.83	8.39	67.22	74.00	-6.78	Peak	
4	2483.5000	42.38	8.39	50.77	54.00	-3.23	AVG	

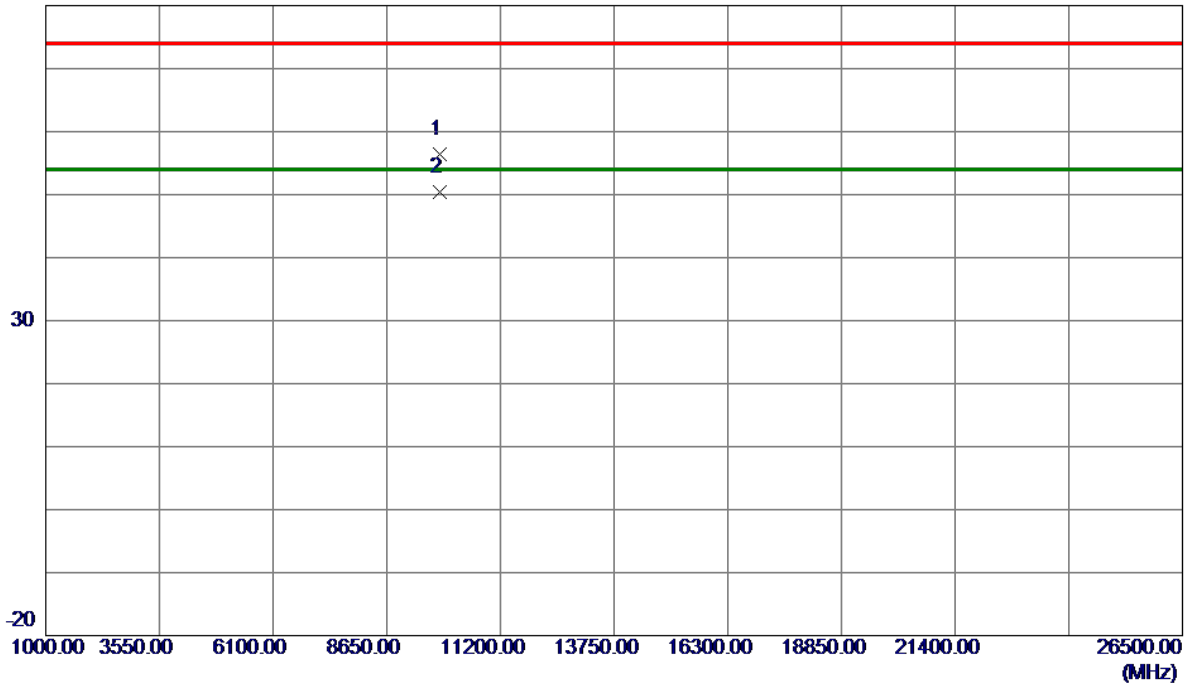
REMARKS:

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

Test Mode:	TX N-20M Mode 2462 MHz
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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	9848.0060	43.30	13.05	56.35	74.00	-17.65	Peak	
2 *	9848.1540	37.42	13.05	50.47	54.00	-3.53	AVG	

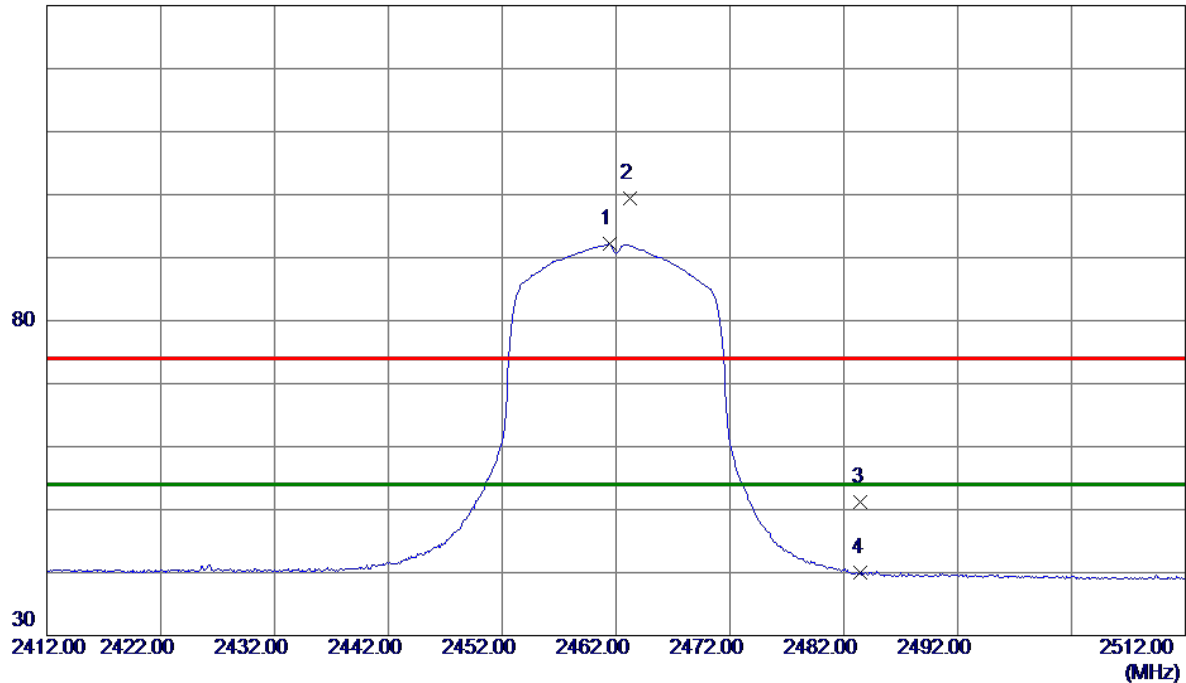
REMARKS:

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

Test Mode: TX N-20M Mode 2462 MHz

Horizontal

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2461.4000	83.78	8.36	92.14	54.00	38.14	AVG	No Limit
2	2463.2000	91.07	8.37	99.44	74.00	25.44	Peak	No Limit
3	2483.5000	42.75	8.39	51.14	74.00	-22.86	Peak	
4	2483.5000	31.54	8.39	39.93	54.00	-14.07	AVG	

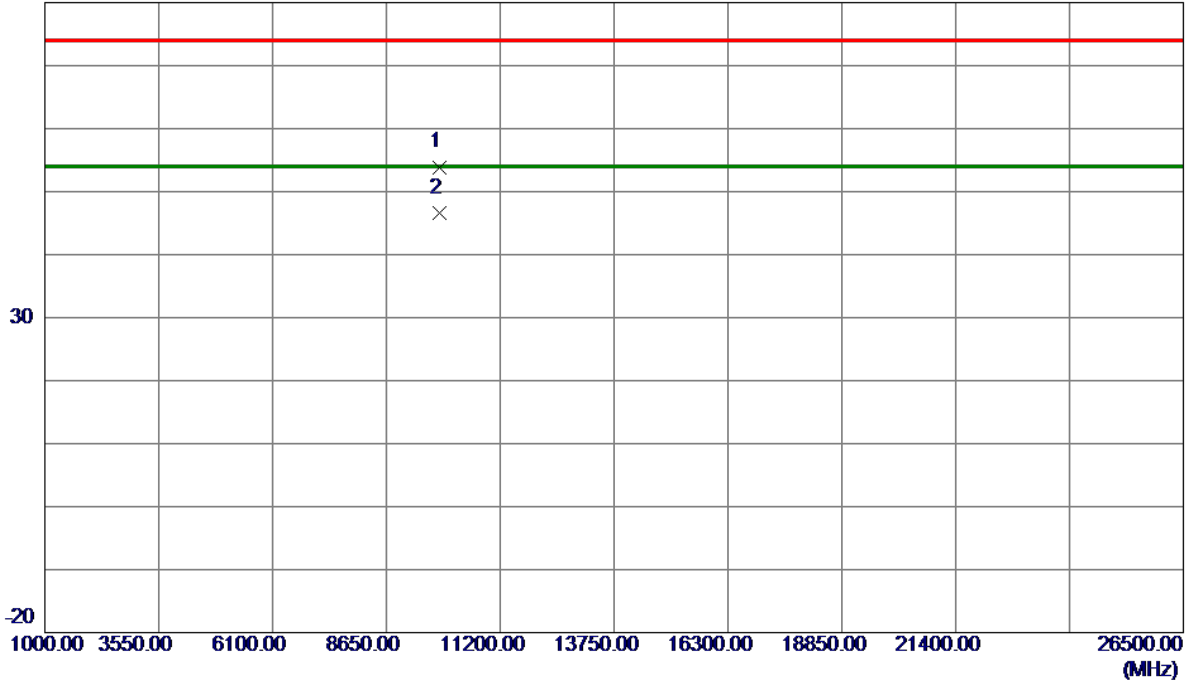
REMARKS:

- (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	9845.9550	40.85	13.05	53.90	74.00	-20.10	Peak	
2 *	9848.6000	33.54	13.05	46.59	54.00	-7.41	AVG	

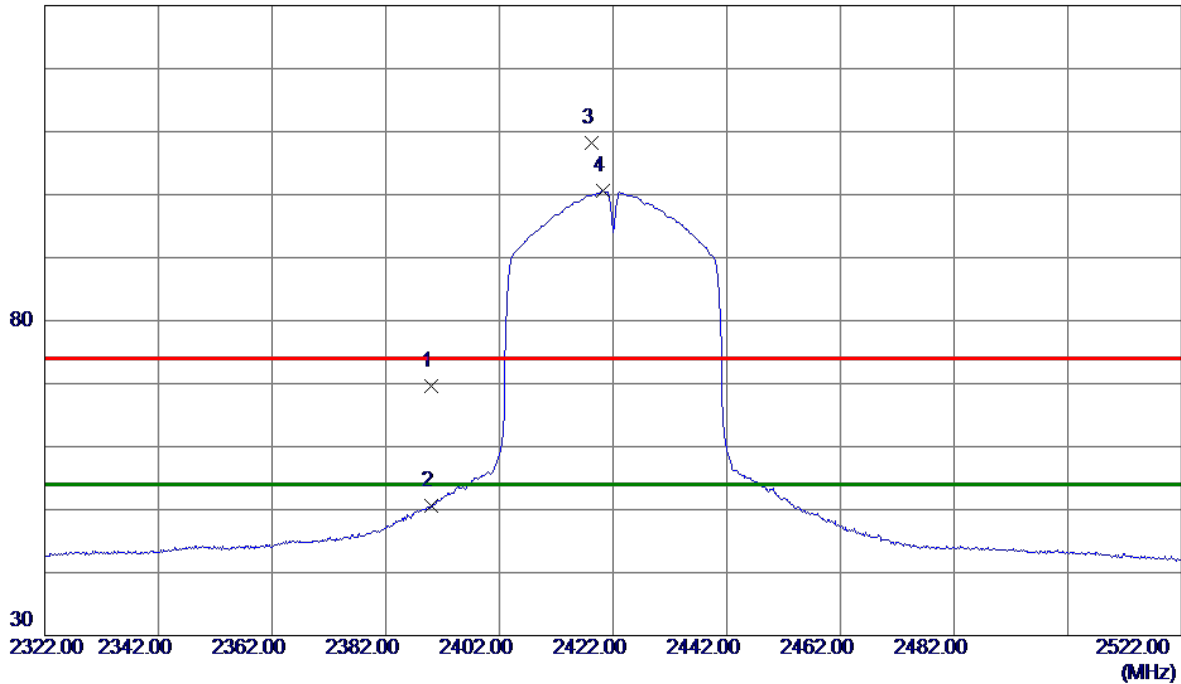
REMARKS:

- (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	2390.0000	61.23	8.29	69.52	74.00	-4.48	Peak	
2	2390.0000	42.31	8.29	50.60	54.00	-3.40	AVG	
3	2418.2000	99.81	8.32	108.13	74.00	34.13	Peak	No Limit
4 *	2420.2000	92.21	8.32	100.53	54.00	46.53	AVG	No Limit

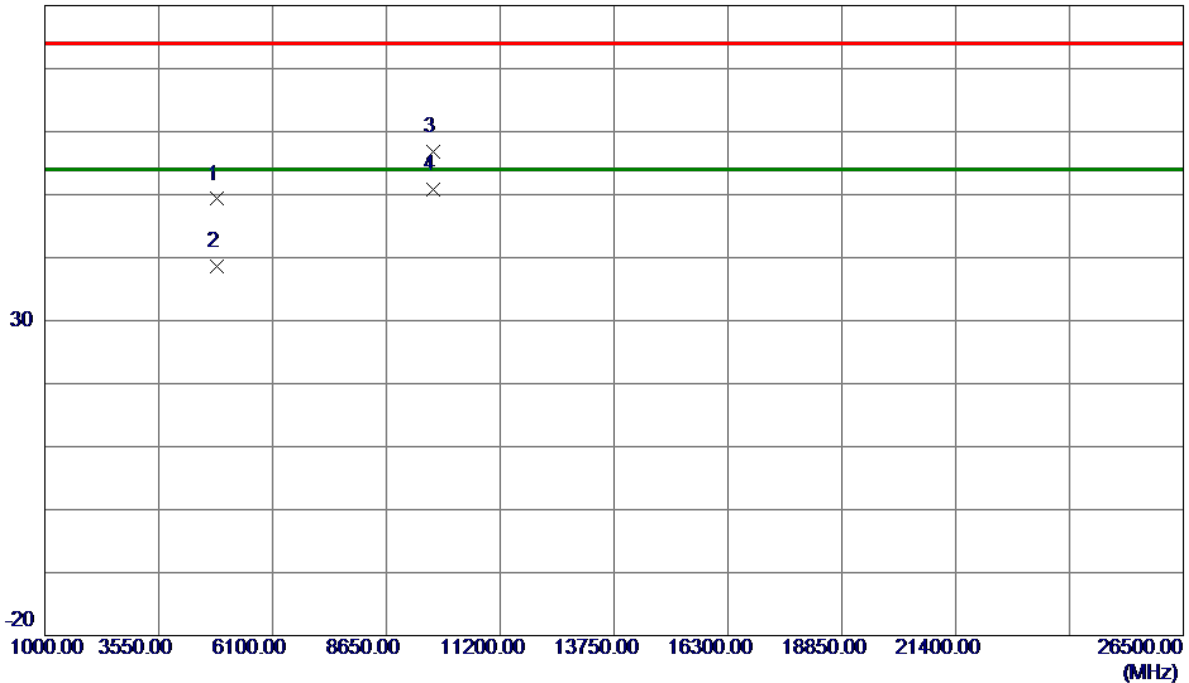
REMARKS:

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

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

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	4843.0200	43.93	5.37	49.30	74.00	-24.70	Peak	
2	4843.6200	33.19	5.38	38.57	54.00	-15.43	AVG	
3	9688.1340	43.98	12.91	56.89	74.00	-17.11	Peak	
4 *	9688.1640	37.85	12.91	50.76	54.00	-3.24	AVG	

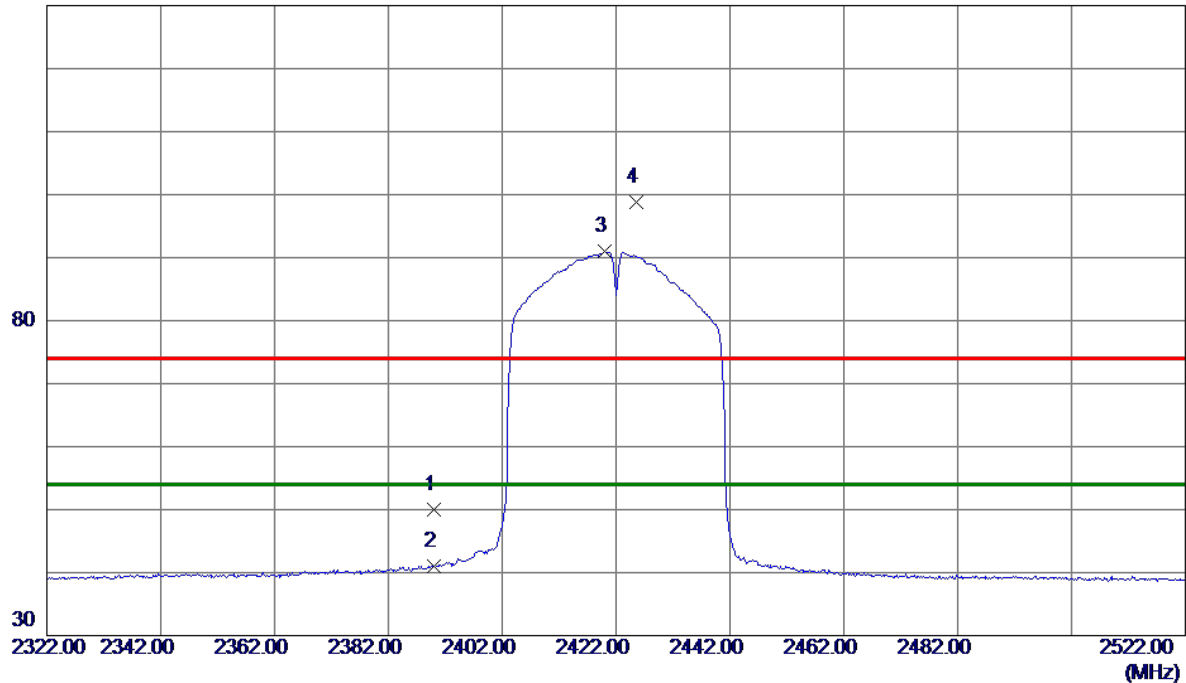
REMARKS:

- (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



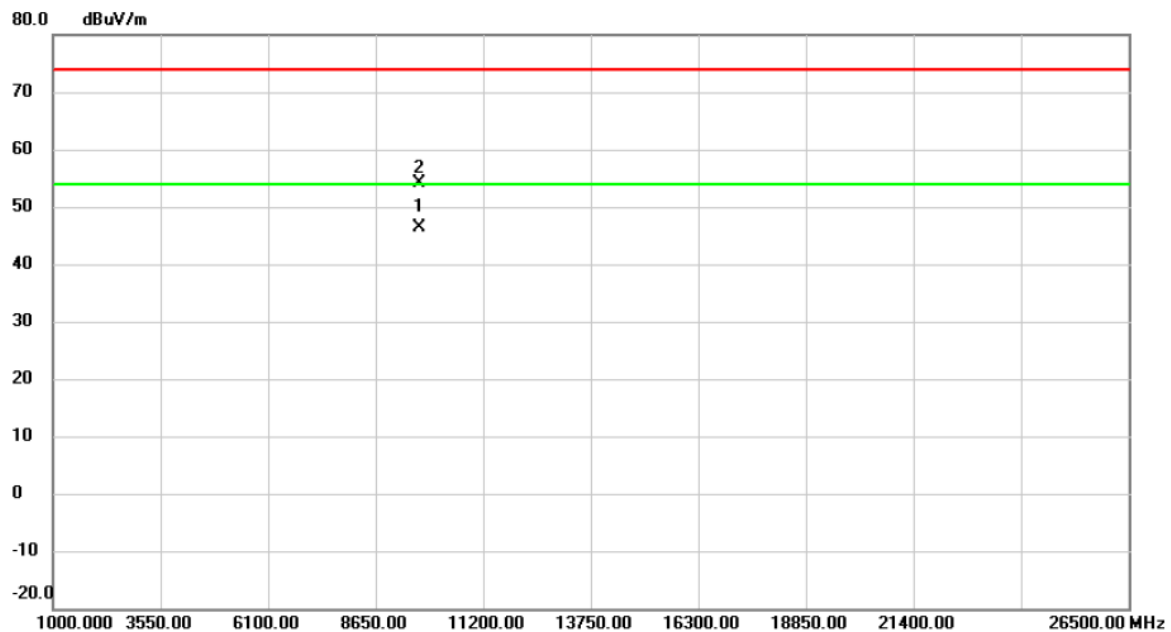
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	41.77	8.29	50.06	74.00	-23.94	Peak	
2	2390.0000	32.76	8.29	41.05	54.00	-12.95	AVG	
3 *	2420.0000	82.61	8.32	90.93	54.00	36.93	AVG	No Limit
4	2425.6000	90.47	8.33	98.80	74.00	24.80	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

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	9686.170	33.57	12.91	46.48	54.00	-7.52	AVG	
2		9687.030	41.22	12.91	54.13	74.00	-19.87	peak	

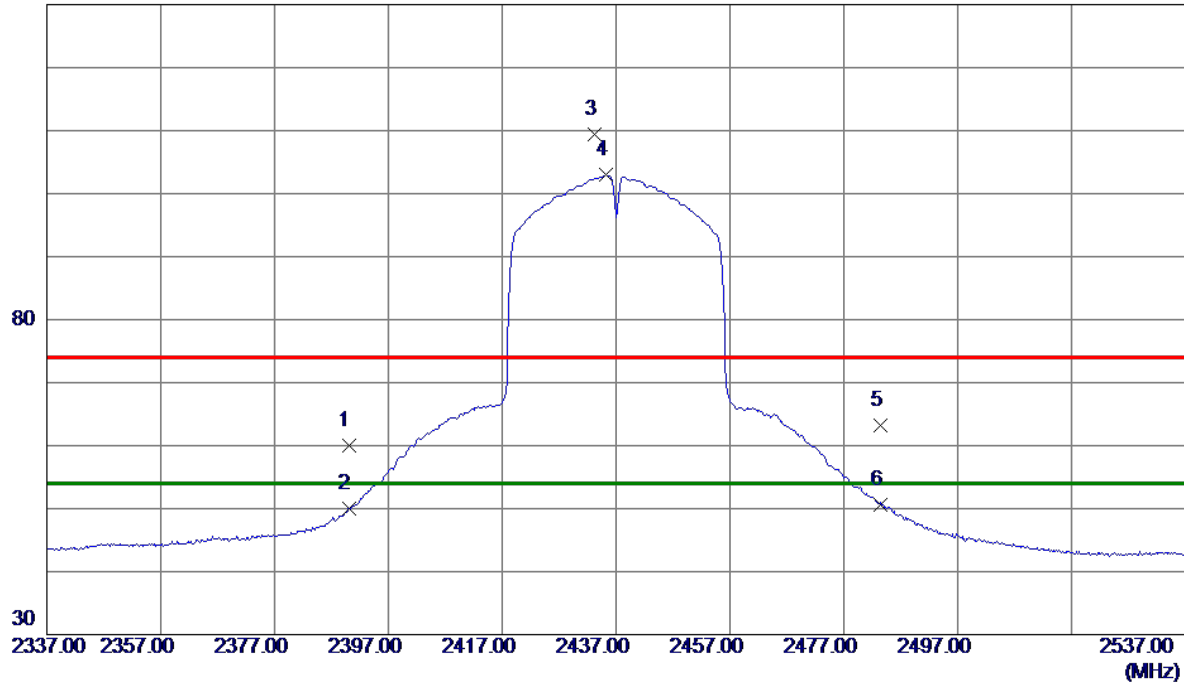
REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Vertical

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	51.76	8.29	60.05	74.00	-13.95	Peak	
2	2390.0000	41.68	8.29	49.97	54.00	-4.03	AVG	
3	2433.2000	101.09	8.33	109.42	74.00	35.42	Peak	No Limit
4 *	2435.2000	94.57	8.34	102.91	54.00	48.91	AVG	No Limit
5	2483.5000	54.87	8.39	63.26	74.00	-10.74	Peak	
6	2483.5000	42.28	8.39	50.67	54.00	-3.33	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Vertical

80 dBuV/m

30

-20

1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00 (MHz)

No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	9748.0599	43.05	12.97	56.02	74.00	-17.98	Peak	
2 *	9748.1080	37.77	12.97	50.74	54.00	-3.26	AVG	

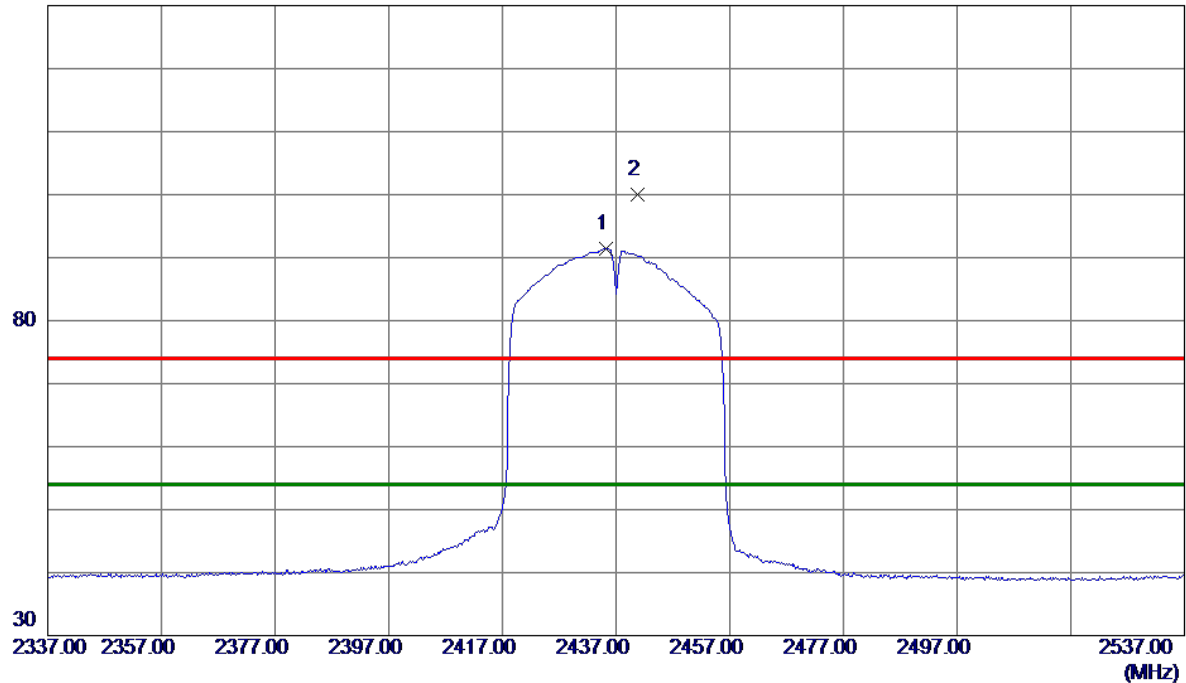
REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Horizontal

130 dBuV/m



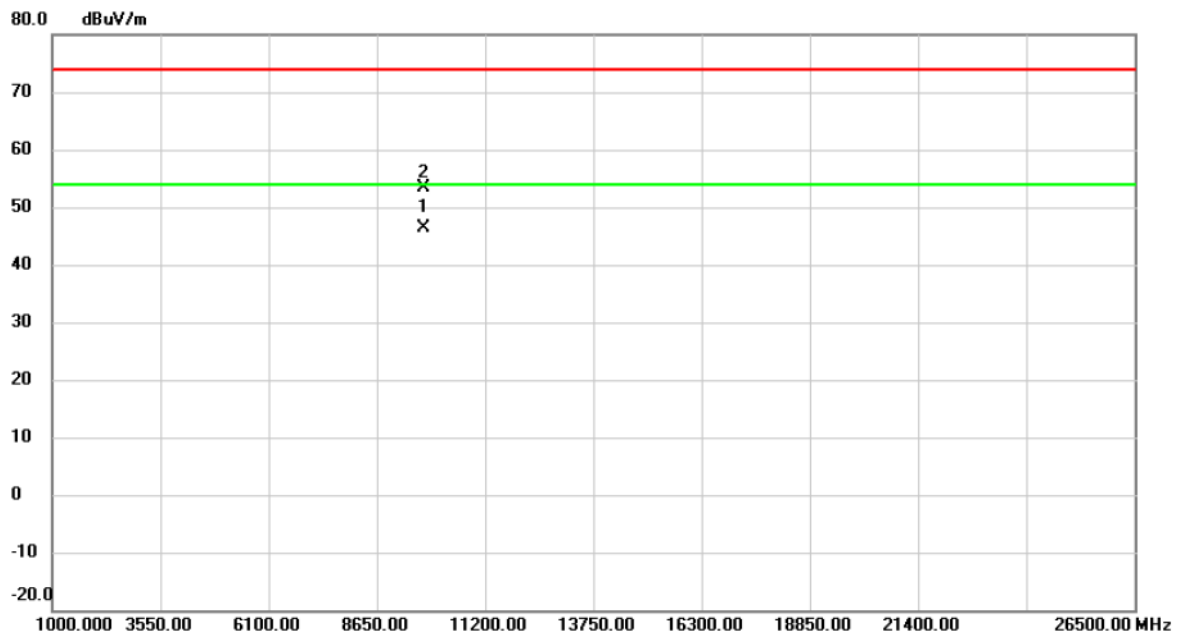
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2435.2000	83.10	8.34	91.44	54.00	37.44	AVG	No Limit
2	2440.8000	91.67	8.34	100.01	74.00	26.01	Peak	No Limit

REMARKS:

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

Test Mode: TX N-40M Mode 2437 MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	9748.760	33.47	12.96	46.43	54.00	-7.57	AVG	
2		9748.880	40.33	12.96	53.29	74.00	-20.71	peak	

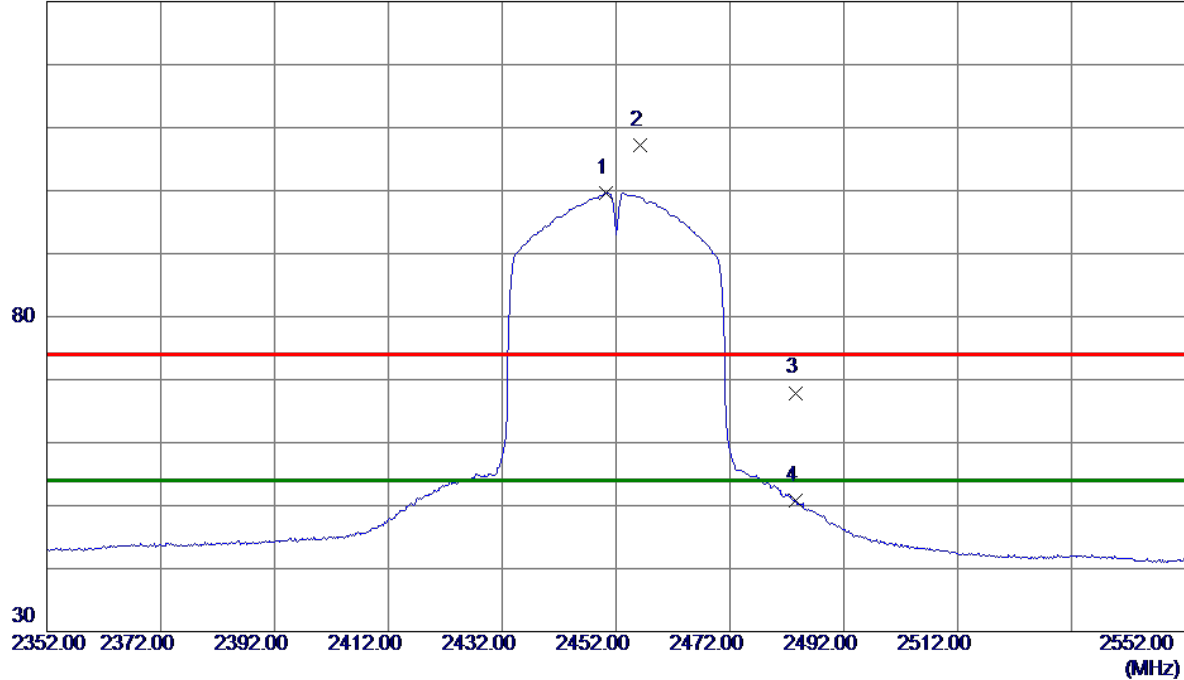
REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

Vertical

130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2450.2000	91.28	8.35	99.63	54.00	45.63	AVG	No Limit
2	2456.2000	98.81	8.36	107.17	74.00	33.17	Peak	No Limit
3	2483.5000	59.51	8.39	67.90	74.00	-6.10	Peak	
4	2483.5000	42.38	8.39	50.77	54.00	-3.23	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

30

-20

1000.00 3550.00 6100.00 8650.00 11200.00 13750.00 16300.00 18850.00 21400.00 26500.00
(MHz)

No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	9808.1200	37.55	13.02	50.57	54.00	-3.43	AVG	
2	9808.2760	43.00	13.02	56.02	74.00	-17.98	Peak	

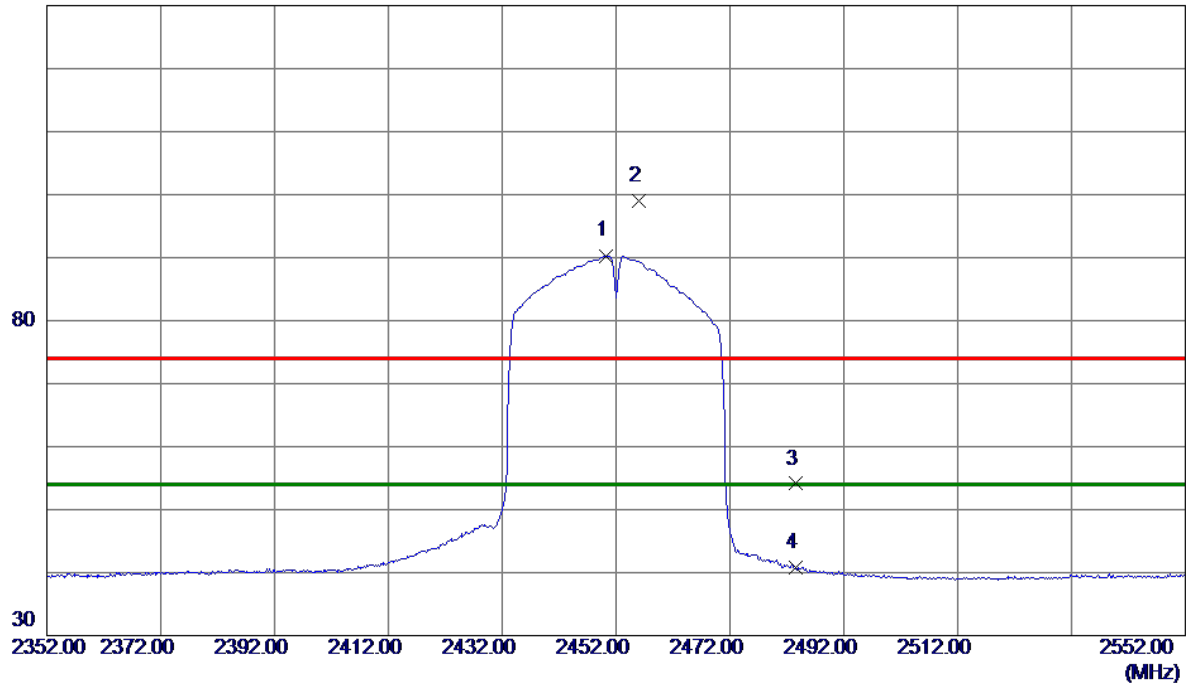
REMARKS:

- (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



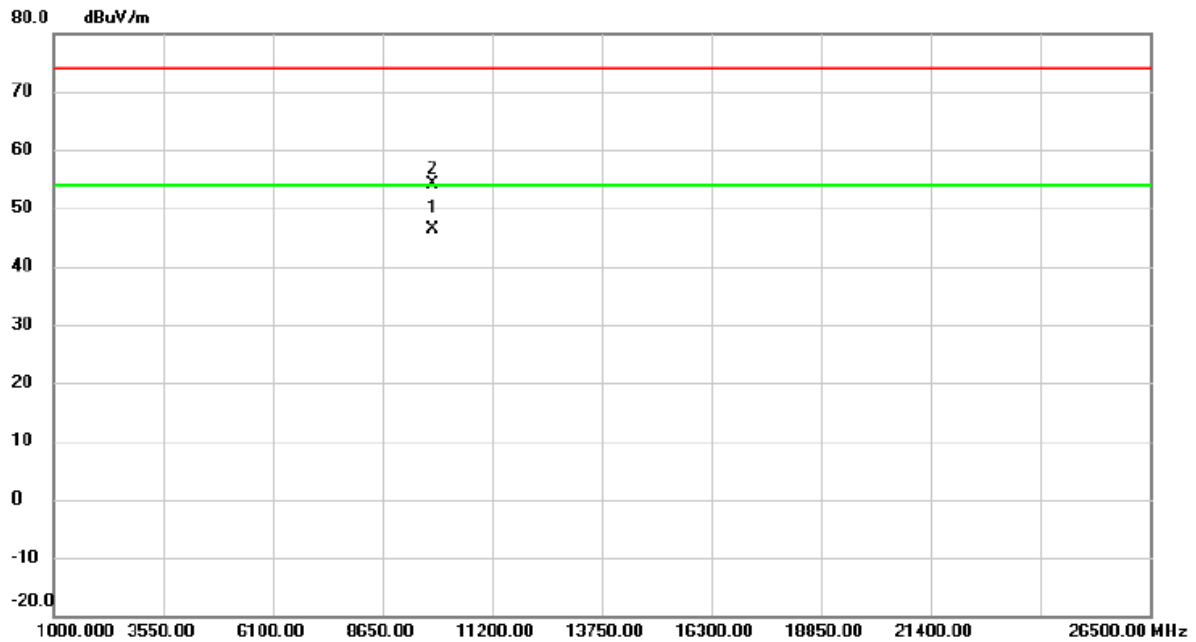
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2450.2000	81.95	8.35	90.30	54.00	36.30	AVG	No Limit
2	2456.0000	90.57	8.36	98.93	74.00	24.93	Peak	No Limit
3	2483.5000	45.71	8.39	54.10	74.00	-19.90	Peak	
4	2483.5000	32.37	8.39	40.76	54.00	-13.24	AVG	

REMARKS:

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

Test Mode: TX N-40M Mode 2452 MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	9807.340	33.44	13.01	46.45	54.00	-7.55	AVG	
2		9809.365	41.08	13.02	54.10	74.00	-19.90	peak	

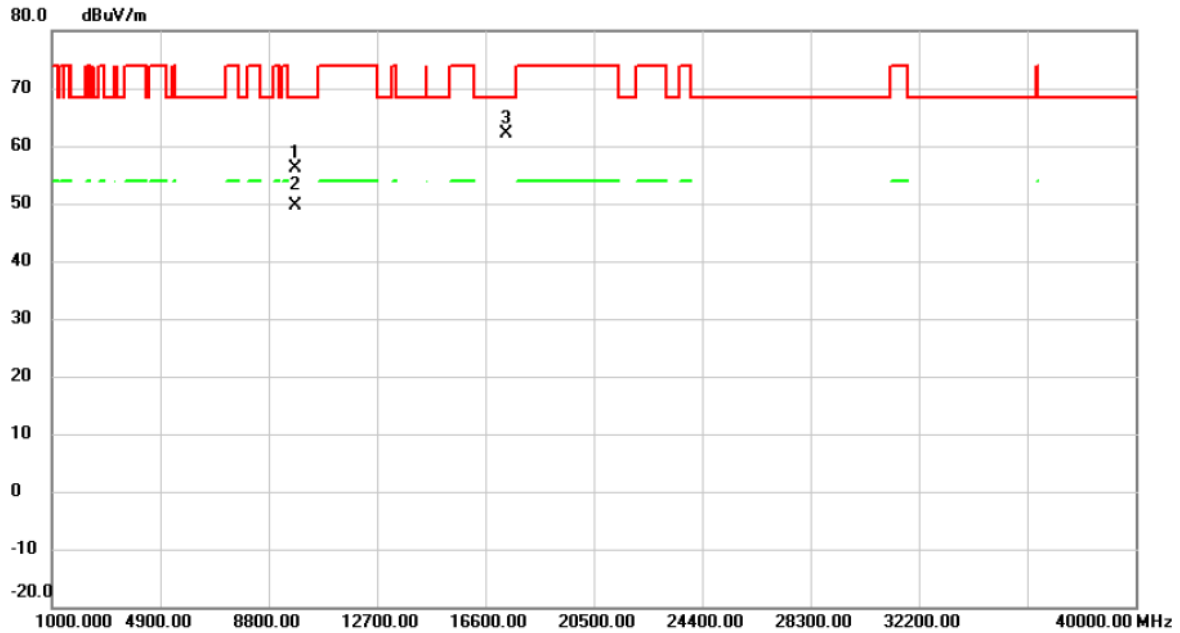
REMARKS:

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

The worst case of simultaneous transmission:

Test Mode:	TX WLAN 2.4G N40 Mode 2437 + WLAN 5G N20 Mode 5785MHz
------------	---

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		9748.065	43.08	12.96	56.04	68.30	-12.26	peak
2		9748.135	36.72	12.96	49.68	68.30	-18.62	AVG
3 *		17356.420	40.67	21.52	62.19	68.30	-6.11	peak

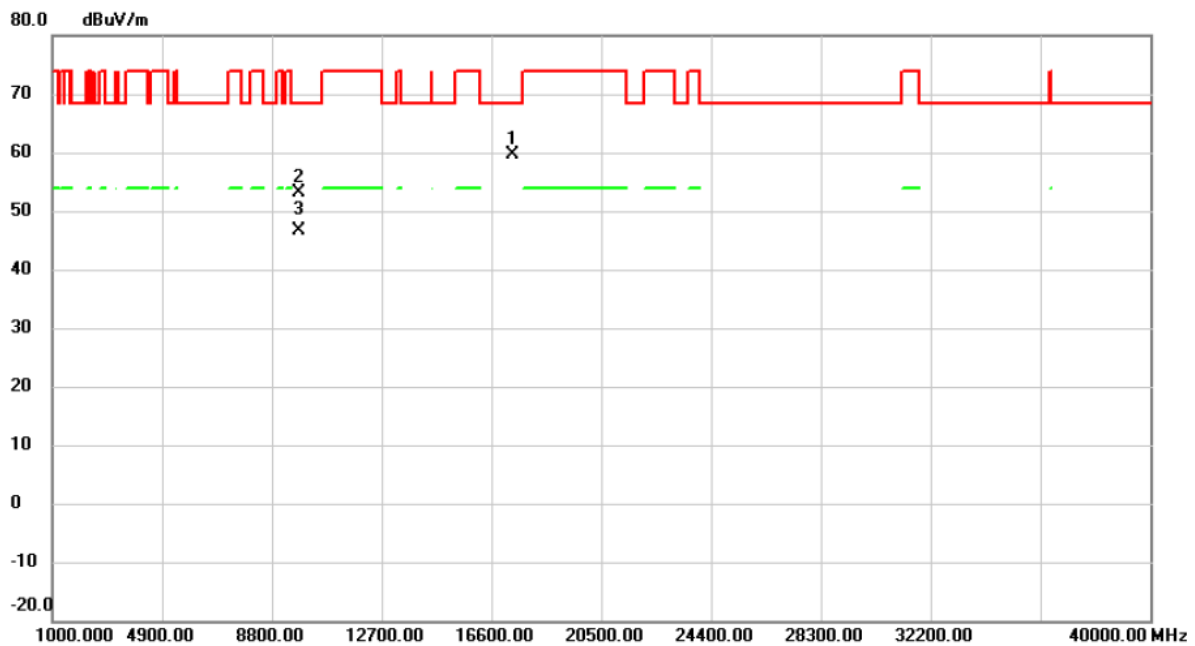
REMARKS:

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

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

Test Mode: TX WLAN 2.4G N40 Mode 2437 + WLAN 5G N20 Mode 5785MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	17354.113	38.13	21.51	59.64	68.30	-8.66	peak	
2		9748.521	40.12	12.96	53.08	68.30	-15.22	peak	
3		9748.734	33.64	12.96	46.60	68.30	-21.70	AVG	

REMARKS:

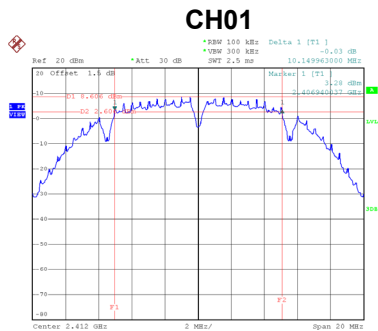
(1) Measurement Value = Reading Level + Correct Factor.

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

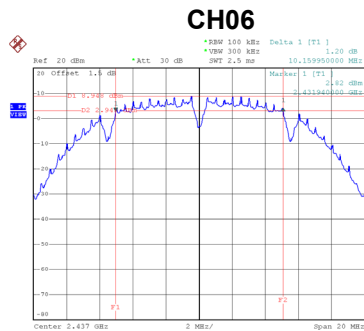
APPENDIX E - BANDWIDTH

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

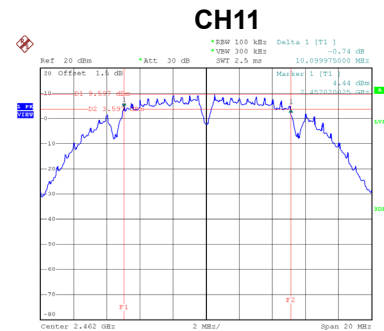
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	10.15	500	Complies
06	2437	10.16	500	Complies
11	2462	10.10	500	Complies



Date: 11.AUG.2020 10:33:23

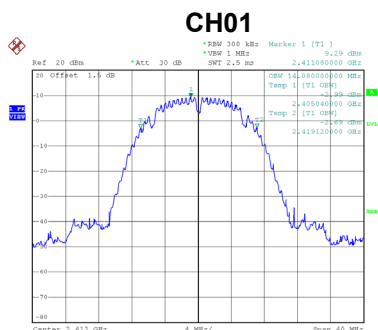


Date: 11.AUG.2020 10:35:38

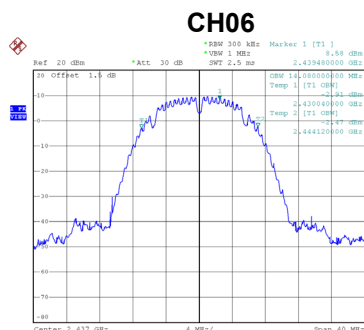


Date: 11.AUG.2020 10:38:08

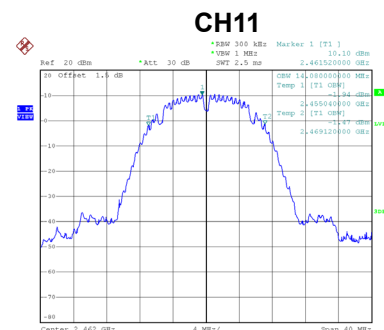
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	14.08	Complies
06	2437	14.08	Complies
11	2462	14.08	Complies



Date: 11.AUG.2020 10:33:32



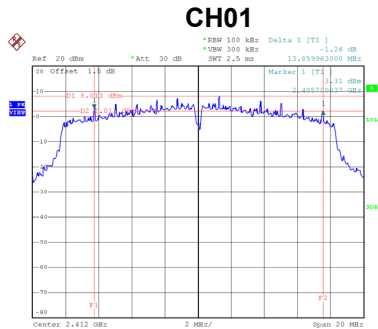
Date: 11.AUG.2020 10:35:46



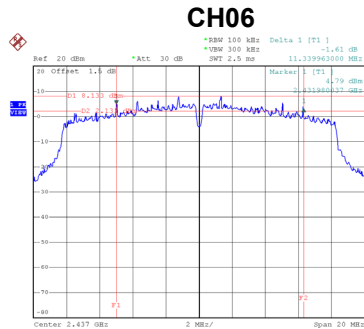
Date: 11.AUG.2020 10:38:16

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

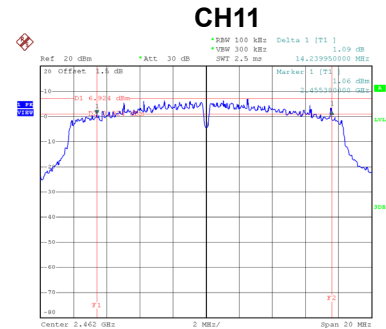
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	13.86	500	Complies
06	2437	11.34	500	Complies
11	2462	14.24	500	Complies



Date: 11.AUG.2020 10:40:11

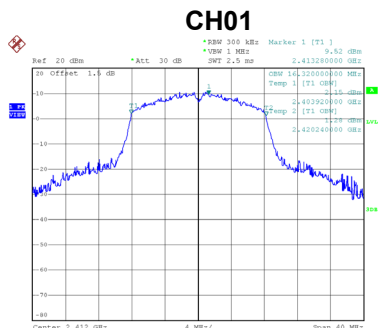


Date: 11.AUG.2020 10:42:36

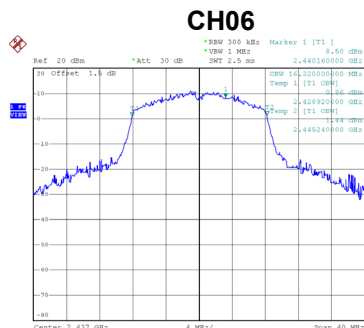


Date: 11.AUG.2020 10:44:31

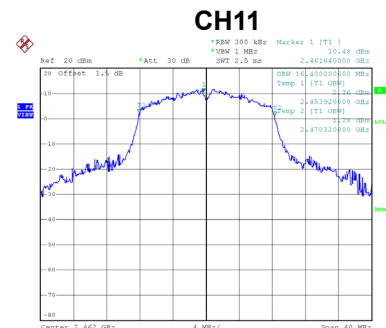
Channel	Frequency (MHz)	99 % Emission Bandwidth (MHz)	Result
01	2412	16.32	Complies
06	2437	16.32	Complies
11	2462	16.40	Complies



Date: 11.AUG.2020 10:40:19

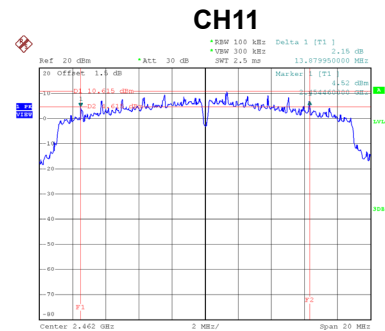


Date: 11.AUG.2020 10:42:43



Date: 11.AUG.2020 10:44:39

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
01	2412	13.88	500	Complies
06	2437	15.06	500	Complies
11	2462	13.88	500	Complies

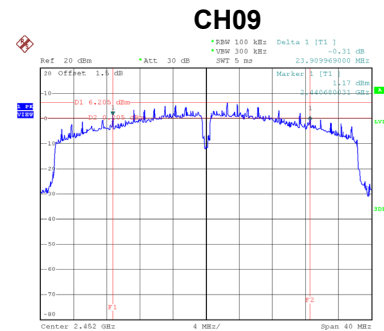


Date: 11.AUG.2020 10:50:50

[illegible]

Date: 11.AUG.2020 10:50:58

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
03	2422	26.36	500	Complies
06	2437	26.36	500	Complies
09	2452	23.91	500	Complies



Date: 11.AUG.2020 11:00:18

[illegible]

Date: 11.AUG.2020 11:00:26

APPENDIX F - MAXIMUM OUTPUT POWER

Non-Beamforming

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
01	2412	21.37	1.0000	Complies
06	2437	21.85	1.0000	Complies
11	2462	22.49	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
01	2412	23.73	1.0000	Complies
06	2437	24.11	1.0000	Complies
11	2462	23.62	1.0000	Complies

Test Mode	TX N-20M Mode_Ant. 1
-----------	----------------------

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
01	2412	20.19	1.0000	Complies
06	2437	22.57	1.0000	Complies
11	2462	20.88	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
01	2412	22.07	1.0000	Complies
06	2437	23.69	1.0000	Complies
11	2462	22.54	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	24.24	30.00	1.0000	Complies
06	2437	26.18	30.00	1.0000	Complies
11	2462	24.80	30.00	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
03	2422	19.22	1.0000	Complies
06	2437	22.55	1.0000	Complies
09	2452	22.11	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
03	2422	20.37	1.0000	Complies
06	2437	23.37	1.0000	Complies
09	2452	22.64	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	22.84	30.00	1.0000	Complies
06	2437	25.99	30.00	1.0000	Complies
09	2452	25.39	30.00	1.0000	Complies

Beamforming

Test Mode	TX N-20M Mode_Ant. 1
-----------	----------------------

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
01	2412	20.22	1.0000	Complies
06	2437	21.76	1.0000	Complies
11	2462	20.57	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
01	2412	21.69	1.0000	Complies
06	2437	21.87	1.0000	Complies
11	2462	22.34	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	24.03	30.00	1.0000	Complies
06	2437	24.83	30.00	1.0000	Complies
11	2462	24.55	30.00	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
03	2422	19.31	1.0000	Complies
06	2437	21.58	1.0000	Complies
09	2452	21.23	1.0000	Complies

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

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (W)	Result
03	2422	20.17	1.0000	Complies
06	2437	22.11	1.0000	Complies
09	2452	21.44	1.0000	Complies

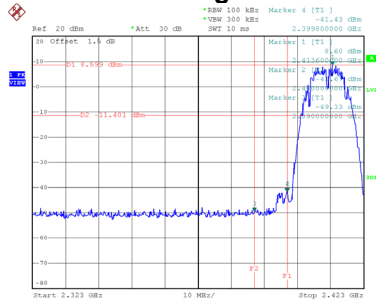
Test Mode	TX N-40M Mode_Total
-----------	---------------------

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	22.77	30.00	1.0000	Complies
06	2437	24.86	30.00	1.0000	Complies
09	2452	24.35	30.00	1.0000	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

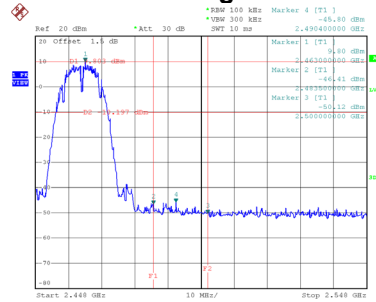
Test Mode TX B Mode

Bandedge-CH01



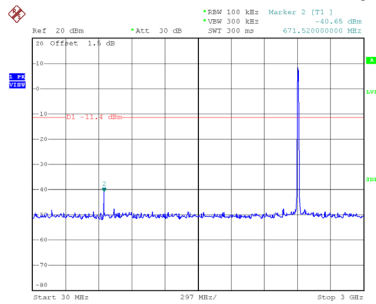
Date: 11.AUG.2020 10:33:40

Bandedge-CH11

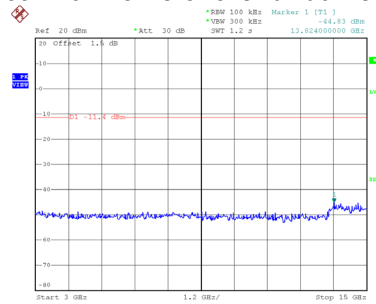


Date: 11.AUG.2020 10:38:24

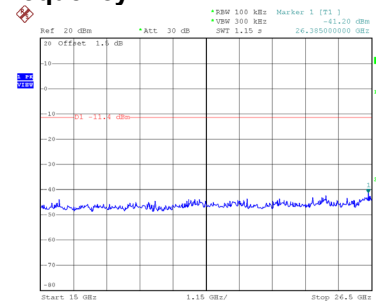
CH01 – 10th Harmonic of the fundamental frequency



Date: 11.AUG.2020 10:33:54

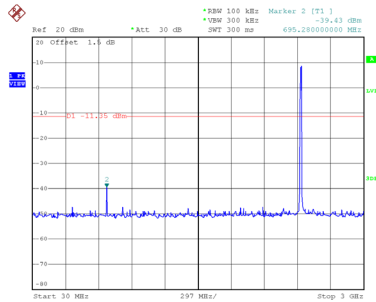


Date: 11.AUG.2020 10:34:03

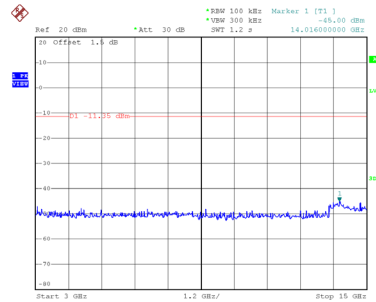


Date: 11.AUG.2020 10:34:11

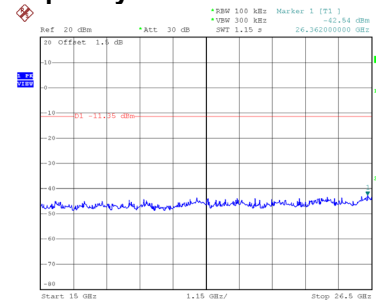
CH06 – 10th Harmonic of the fundamental frequency



Date: 11.AUG.2020 10:36:25

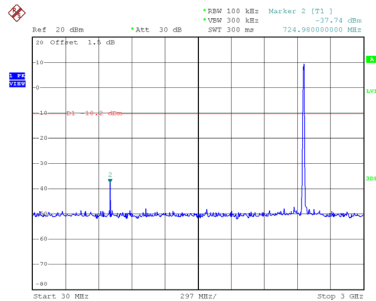


Date: 11.AUG.2020 10:36:34

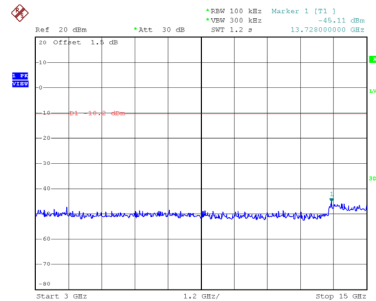


Date: 11.AUG.2020 10:36:43

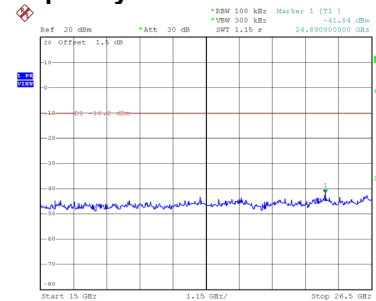
CH11 – 10th Harmonic of the fundamental frequency



Date: 11.AUG.2020 10:38:39



Date: 11.AUG.2020 10:38:47



Date: 11.AUG.2020 10:38:56