



FCC Radio Test Report

FCC ID: LDKJ98213058

This report concerns: Original Grant

Project No. : 2601H016
Equipment : Wireless Phone
Brand Name : CISCO
Model Name : WP-9821
Applicant : Cisco Systems, Inc.
Address : 125 West Tasman Dr. Bldg. P ,San Jose CA 95134
Manufacturer : Cisco Systems, Inc.
Address : 125 West Tasman Dr. Bldg. P ,San Jose CA 95134
Date of Receipt : Jan. 19, 2026
Date of Test : Jan. 19, 2026~Feb. 09, 2026
Issued Date : Apr. 22, 2026
Test Sample : Engineering Sample No.: SH920260119340 for conducted,
SH920260119341 for radiated.
Standard(s) : FCC CFR Title 47, Part 15, Subpart C

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

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Declaration

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BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by **BTL**.

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BTL's laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

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 No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2601H016	R00	Original Report.	Apr. 02, 2026	Invalid
BTL-FCCP-1-2601H016	R01	This report updated applicable standards for Chapter 1. and added software version information; revised the duty cycle data graph for IEEE 802.11ax (HE20). It is a revision of the report with serial number BTL-FCCP-1-2601H016 R00. This is a newly released report, replacing the BTL-FCCP-1-2601H016 R00 report.	Apr. 22, 2026	Valid

1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standard:

ANSI C63.10-2020+Cor. 1-2023.

The following reference test guidance is not within the scope of accreditation of A2LA:

KDB 558074 D01 15.247 Meas Guidance v05r02

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart C				
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.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, People's Republic of China.

BTL's Registration Number for FCC: 964234

BTL's Designation Number for FCC: CN1374

2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

A. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
SH-CB02	CISPR	9 KHz~30 MHz	-	2.30
		30 MHz~200 MHz	V	4.48
		30 MHz~200 MHz	H	3.16
		200 MHz~1,000 MHz	V	4.70
		200 MHz~1,000 MHz	H	3.82
		1GHz ~ 6GHz	-	3.94
		6GHz ~ 18GHz	-	4.62
		18 GHz ~ 26.5 GHz	-	2.84
		26.5 GHz~40 GHz	-	2.90

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

2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	13.7°C	35%	AC 120V/60Hz	Zane Zhao
Radiated Emissions-9kHz to 30 MHz	17.6°C	36%	AC 120V/60Hz	Clement Yuan
Radiated Emissions-30MHz to 1000MHz	18.3°C	38%	AC 120V/60Hz	Clement Yuan
Radiated Emissions-Above 1000MHz	18.1°C~21°C	37%~47%	AC 120V/60Hz	Clement Yuan
Bandwidth	18.2°C	40%	AC 120V/60Hz	Young Zou
Maximum Output Power	19.9°C	37%	AC 120V/60Hz	Young Zou
Conducted Spurious Emissions	18.2°C	40%	AC 120V/60Hz	Young Zou
Power Spectral Density	18.2°C	40%	AC 120V/60Hz	Young Zou

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless Phone
Brand Name	CISCO
Test Model	WP-9821
Model Name	WP-9821
Model Difference(s)	N/A
Software Version	PhoneOS-9821.4-1-1
Hardware Version	WP-9821
Power Source	AC voltage supplied from AC/DC adapter. Brand/ Model: Phihong / PSAF10R-050Q Battery supplied. Model: GP-S10-374192-010H
Power Rating	I/P: 100~240V ~ 0.3A 50/60Hz O/P: 5.0V --- 2.0A 10.0W Batterie 3.8V 2000mAh 7.6Wh
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n/ac: OFDM VHT: 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 72.2 Mbps VHT: up to 86.7 Mbps IEEE 802.11ax: up to 143.4 Mbps
Maximum Output Power	IEEE 802.11ax(HE20): 17.60 dBm (0.0575 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), VHT20, IEEE 802.11ax(HE20)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Monopole	N/A	1.9

3.2 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(HT20) Mode Channel 01/06/11
Mode 4	TX AX(HE20) Mode Channel 01/06/11

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 4	TX AX(HE20) Mode Channel 06

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 4	TX AX(HE20) Mode Channel 06

Radiated emissions test- Above 1GHz	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX AX(HE20) Mode Channel 01/06/11

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(HT20) Mode Channel 01/06/11
Mode 4	TX AX(HE20) Mode Channel 01/06/11

NOTE:

- (1) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (2) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX AX(HE20) Mode Channel 06 is found to be the worst case and recorded.
- (3) For radiated emission Harmonic 18-26.5GHz test, only tested the worst case and recorded.
- (4) IEEE 802.11ax mode only support full RU, so only the full RU is evaluated and measured inside report.
- (5) The radiated spurious test was conducted in the X/Y/Z three-axis mode, but only the worst Y-axis mode results are listed in this report.
- (6) IEEE 802.11n(HT20)/IEEE 802.11n(HT40) covers VHT20/ VHT40, due to same modulation. The power seting for VHT20/ VHT40 are the same or lower than IEEE 802.11n(HT20)/IEEE 802.11n(HT40) . So only the n mode is fully tested and documented in the report.

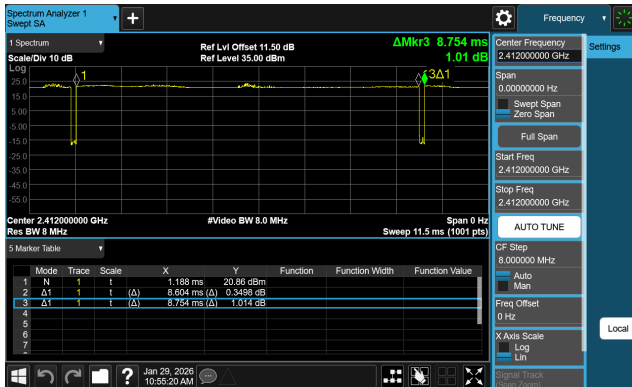
3.3 PARAMETERS OF TEST SOFTWARE

Test Software Version	IPOP V4.0		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	17	17	17
IEEE 802.11g	13.5	16.5	13.5
IEEE 802.11n(HT20)	13	16.5	10.5
IEEE 802.11ax(HE20)	13	16.5	11

3.4 DUTY CYCLE

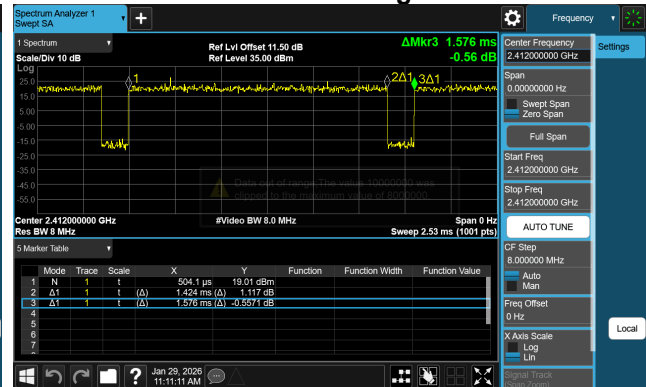
If duty cycle is $\geq 98\%$, duty factor is not required.
If duty cycle is $< 98\%$, duty factor shall be considered.
The output power = measured power + duty factor.

IEEE 802.11b



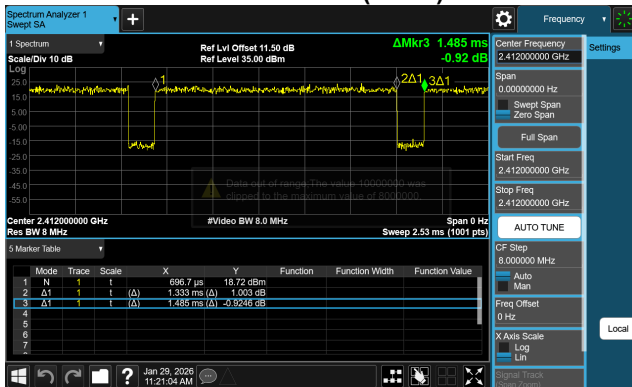
Duty cycle = $8.604 \text{ ms} / 8.754 \text{ ms} = 98.29\%$
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.00$

IEEE 802.11g



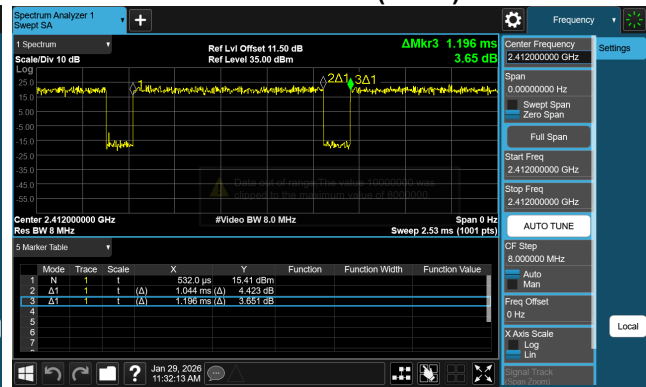
Duty cycle = $1.424 \text{ ms} / 1.576 \text{ ms} = 90.35\%$
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.44$

IEEE 802.11n(HT20)



Duty cycle = $1.333 \text{ ms} / 1.485 \text{ ms} = 89.76\%$
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.47$

IEEE 802.11ax(HE20)



Duty cycle = $1.044 \text{ ms} / 1.196 \text{ ms} = 87.29\%$
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.59$

NOTE:

For IEEE 802.11b:

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

For IEEE 802.11g:

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.

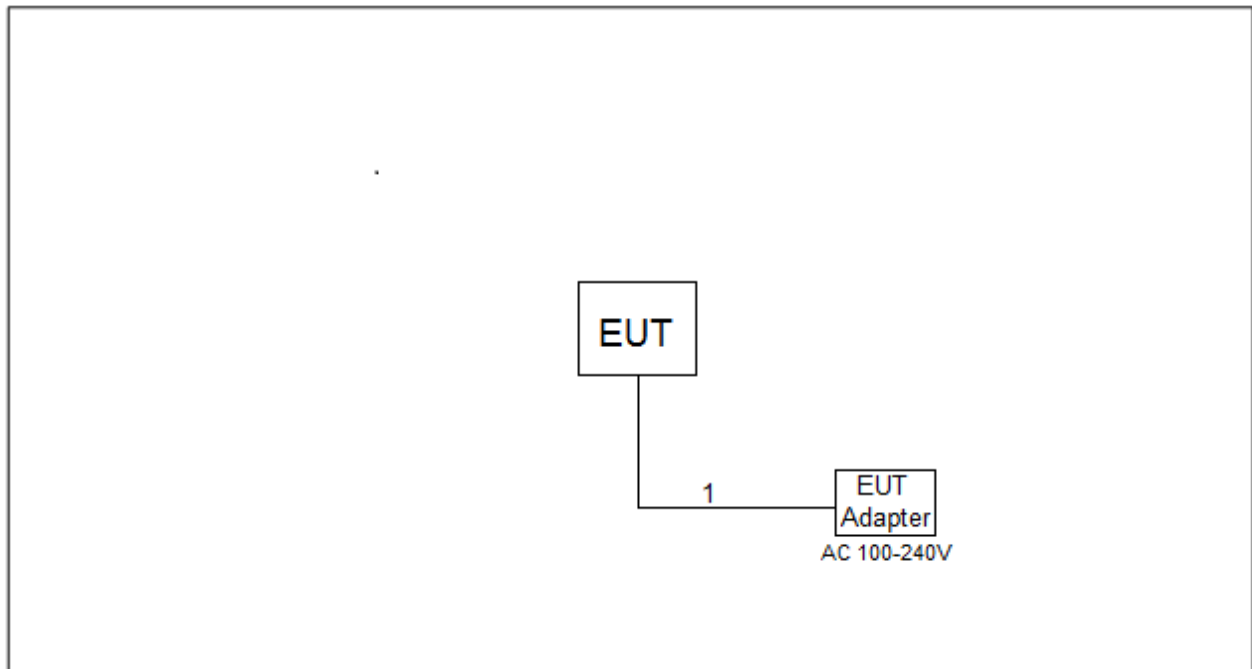
For IEEE 802.11n(HT20):

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.

For IEEE 802.11ax(HE20):

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.

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
-	-	-	-	-

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

3.7 CUSTOMER INFORMATION DESCRIPTION

- 1) The antenna gain is provided by the manufacturer.
Except for AC power line conducted emissions and radiated emissions, the results of all test items include cable losses. All cable losses are provided by the testing laboratory.

4. AC POWER LINE CONDUCTED EMISSIONS

4.1 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.

Sample calculations: (Refer to page XX, test result No.X.)

Reading Level		Correct Factor		Measurement Value
50	+	12	=	62

Measurement Value		Limit Value		Margin Level
50	-	12	=	38

4.2 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.

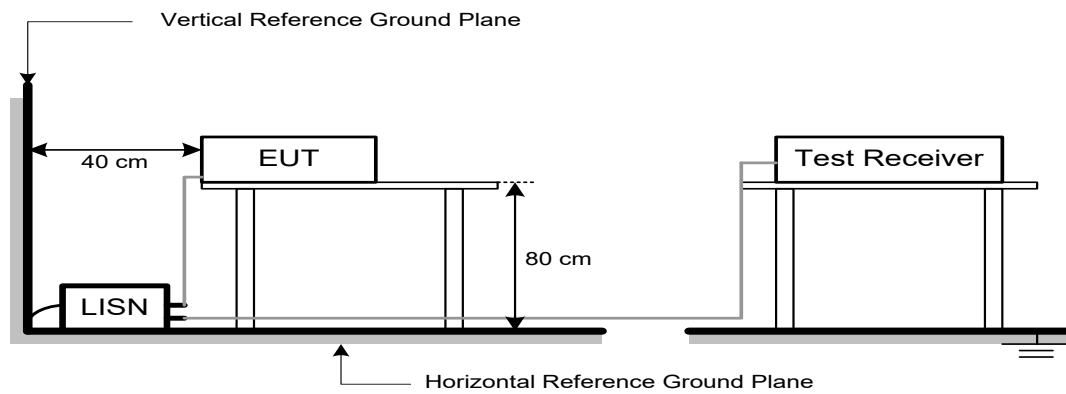
The following table is the setting of the receiver:

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

4.3 DEVIATION FROM TEST STANDARD

No deviation.

4.4 TEST SETUP



4.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS

Please refer to the APPENDIX A.

5. RADIATED EMISSIONS

5.1 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)	Band edge/ Harmonic at 3m (dBμV/m)		Harmonic at 1m (dBμV/m)	
	Peak	Average	Peak	Average
Above 1000	74	54	83.5 (Note 5)	63.5 (Note 5)

NOTE:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4)

$$FS_{\text{limit}} = FS_{\text{max}} - 20\log\left(\frac{d_{\text{limit}}}{d_{\text{measure}}}\right)$$

$$20\log(d_{\text{limit}}/d_{\text{measure}})=20\log(3/1)=9.5\text{ dB.}$$

5.2 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 or 1m 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)
- 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.

The following table is the setting of the receiver:

Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

Spectrum Parameters	Setting
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1 MHz / 3 MHz for PK value 1 MHz / 1/T Hz for AVG value

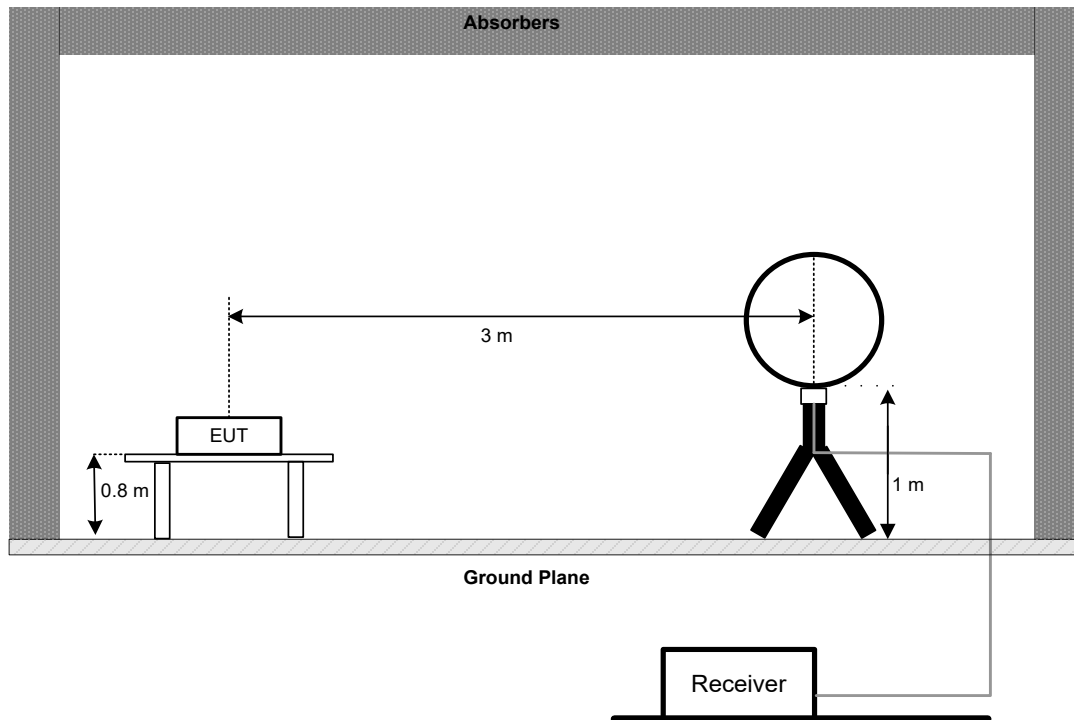
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector
Start ~ Stop Frequency	1 GHz~26.5 GHz for PK/AVG detector

5.3 DEVIATION FROM TEST STANDARD

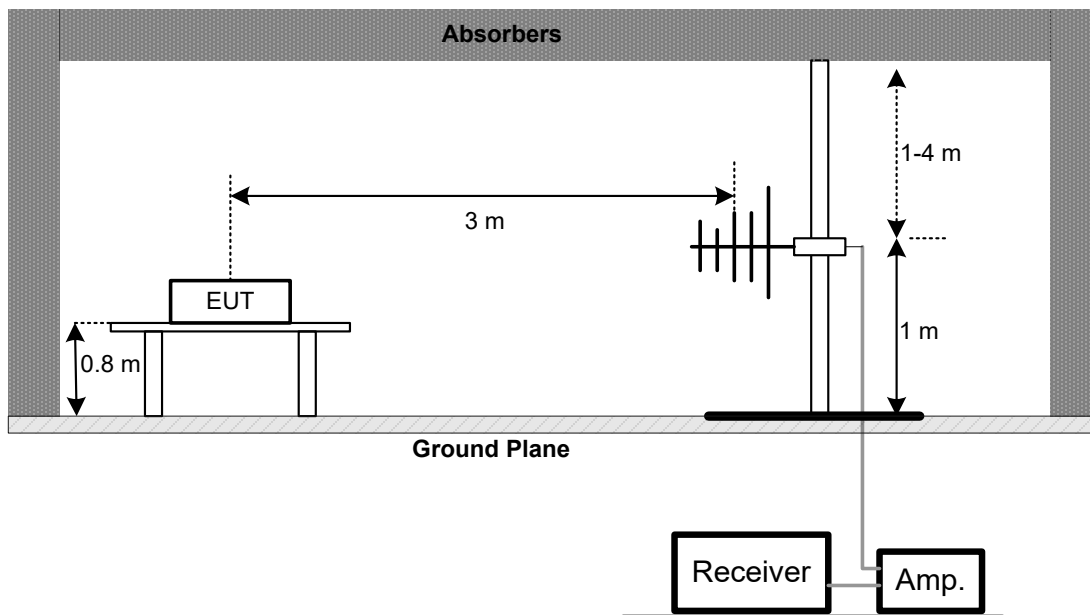
No deviation.

5.4 TEST SETUP

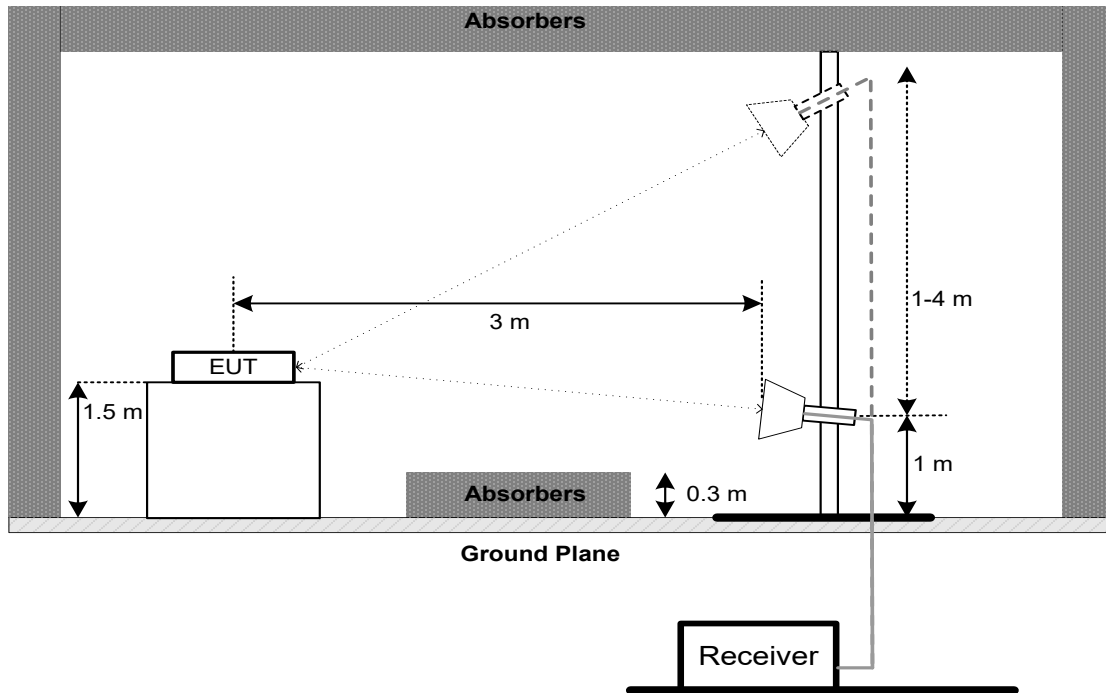
9 kHz to 30 MHz



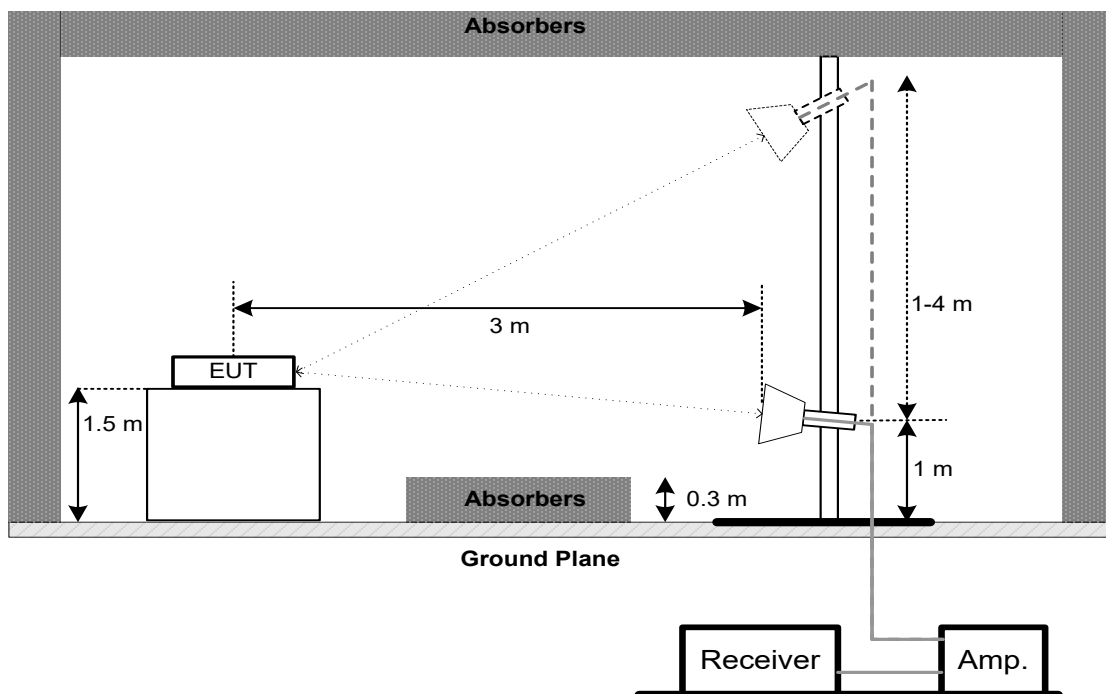
30 MHz to 1 GHz



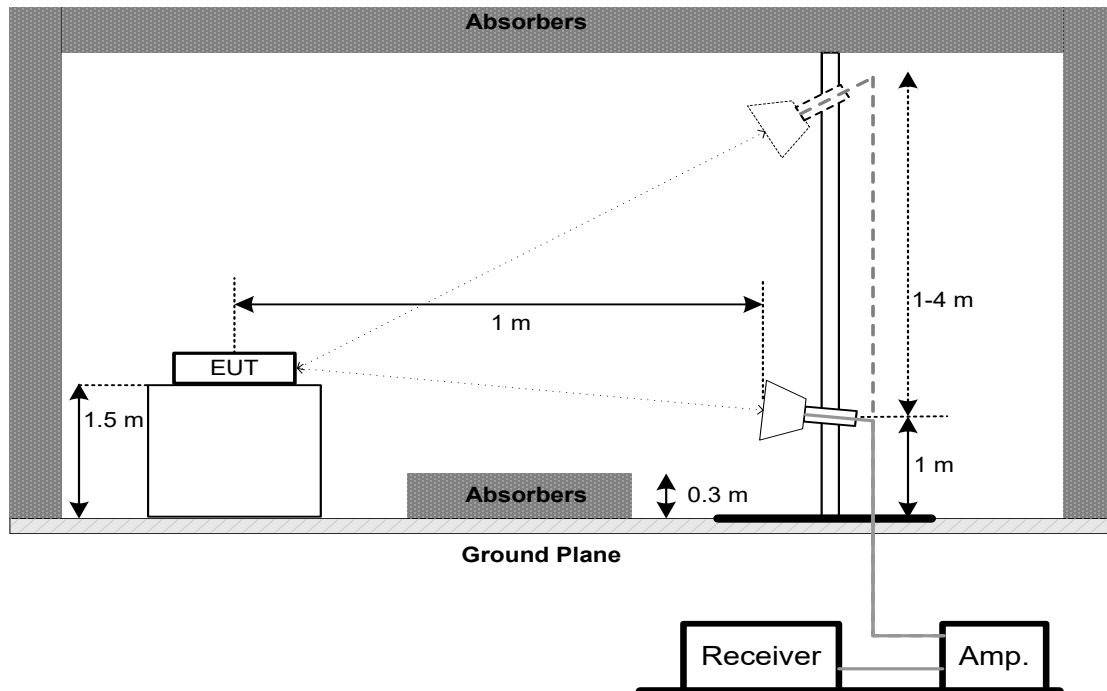
Above 1 GHz Band edge



Harmonic(1 GHz to 18 GHz)



Harmonic(18 GHz to 26.5 GHz)



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 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.

5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

5.8 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.

6. BANDWIDTH

6.1 LIMIT

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

6.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

For 6 dB Bandwidth:

Spectrum Parameters	Setting
Span Frequency	> Measurement Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For 99% Emission Bandwidth:

Spectrum Parameters	Setting
Span Frequency	Between 1.5 times and 5.0 times the OBW
RBW	300 kHz For 20MHz 1 MHz For 40MHz
VBW	1 MHz For 20MHz 3 MHz For 40MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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 E.

7. MAXIMUM OUTPUT POWER

7.1 LIMIT

Section	Test Item	Limit
FCC 15.247(b)(3)	Maximum Output Power	1.0000 Watt or 30.00 dBm

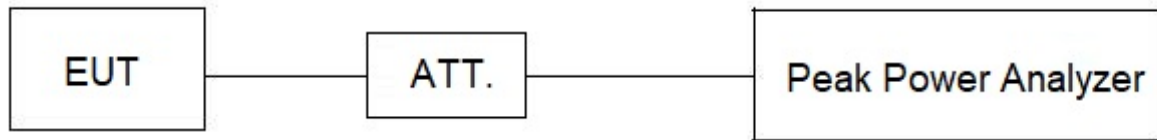
7.2 TEST PROCEDURE

- The EUT was directly connected to the peak power analyzer 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 (for AVG power) of ANSI C63.10-2020+Cor. 1-2023.

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 F.

8. CONDUCTED SPURIOUS EMISSIONS

8.1 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.

8.2 TEST PROCEDURE

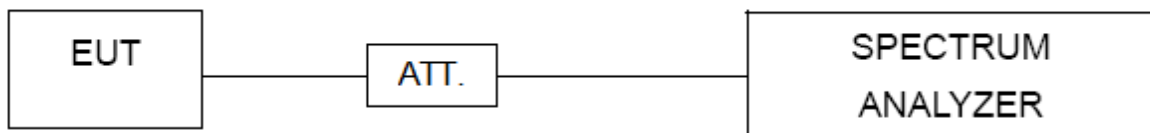
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Start Frequency	30 MHz
Stop Frequency	26.5 GHz
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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 G.

9. POWER SPECTRAL DENSITY

9.1 LIMIT

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

9.2 TEST PROCEDURE

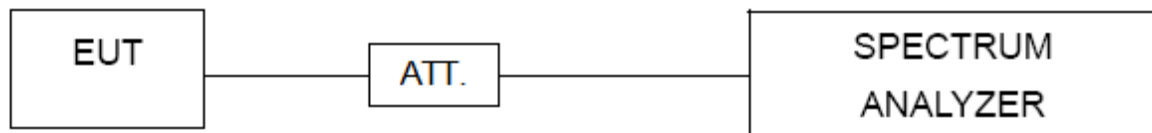
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Span Frequency	25 MHz (20 MHz) / 60 MHz (40 MHz)
RBW	3 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

9.6 TEST RESULTS

Please refer to the APPENDIX H.

10. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TWO-LINE V-NETWORK	R&S	ENV216	101340	Jul. 04, 2026
2	Test Cable	emci	EMCRG400-BM-N M-10000	N/A	Mar. 16, 2026
3	EMI Test Receiver	R&S	ESR3	100082	Dec.11, 2026
4	50Ω Terminator	SHX	TF2-1G-A	17051602	Dec. 27, 2026
5	50Ω coaxial switch	Anritsu	MP59B	6201750902	Dec. 26, 2026
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EMCI	EMCI LPA600	275	Mar. 11, 2026
2	MXE EMI Receiver	Keysight	N9038A	MY56400088	Dec. 26, 2026
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1	N/A	N/A
4	Test Cable	emci	RWP50-4.6A-SMS M-1M	20220928 005	Nov.18.2026
5	Test Cable	emci	RWLP50-4.0A-SMS M-7M	20200824 004	Nov.18.2026
6	Test Cable	emci	EMC104-SM-SM-2 500	170618	Nov.18.2026
7	Pre-Amplifier	emci	EMC9135	980401	Dec. 26, 2026

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	emci	VULB 9168	1467	Mar. 7, 2026
2	Pre-Amplifier	emci	EMC9135	980401	Dec. 26, 2026
3	MXE EMI Receiver	Keysight	N9038A	MY56400088	Dec. 26, 2026
4	Test Cable	emci	RWP50-4.6A-SMS M-1M	20220928 005	Nov.18.2026
5	Test Cable	emci	RWLP50-4.0A-SMS M-7M	20200824 004	Nov.18.2026
6	Test Cable	emci	EMC104-SM-SM-2 500	170618	Nov.18.2026
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1	N/A	N/A

Radiated Emissions - 1GHz-18GHz

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double-Ridged Broadband Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-1817	Mar. 7, 2026
2	Pre-Amplifier	emci	EMC118A45SE	980910	Dec. 26, 2026
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480559	Dec. 26, 2026
4	Test Cable	emci	RWP50-4.6A-SMS M-1M	20220928 005	Nov.18.2026
5	Test Cable	emci	RWLP50-4.0A-SMS M-7M	20200824 004	Nov.18.2026
6	Test Cable	emci	EMC104-SM-SM-2 500	170618	Nov.18.2026
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1	N/A	N/A

Radiated Emissions – Above 18GHz

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	BBHA9170	9170-651	Mar. 14, 2026
2	Pre-Amplifier	EMC INSTRUMENT	EMC184045B	980265	Dec. 11, 2026
3	Test Cable	emci	EMC-104HS-SM-S M-1000	240625	Aug. 12, 2026
4	Test Cable	emci	EMC104HS-SM-S M-5000	240627	Aug. 12, 2026
5	EXA Spectrum Analyzer	Keysight	N9010A	MY56480559	Dec. 26, 2026
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1	N/A	N/A

Bandwidth

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Jul. 04, 2026
2	BTL Conducted Test	BTL	20260106	N/A	N/A

Maximum Output Power

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000507	Dec. 26, 2026
2	Wideband Power Sensor	Keysight	N1923A	MY58310003	Dec. 26, 2026

Antenna Conducted Spurious Emissions

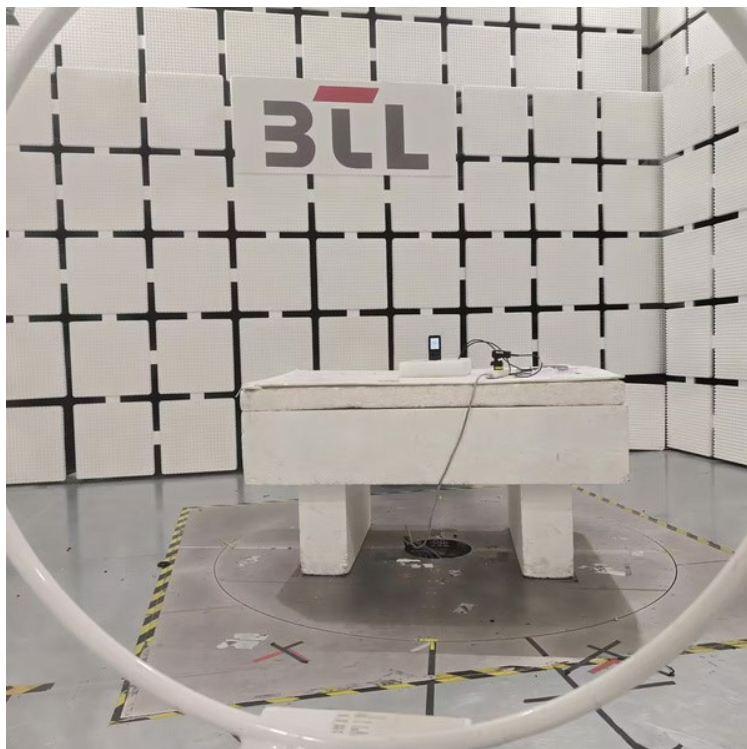
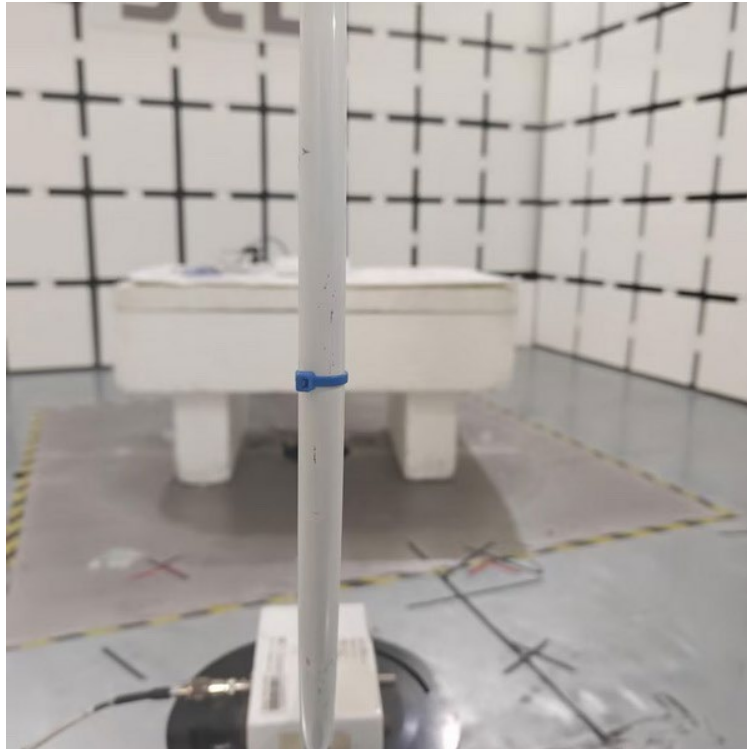
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Jul. 04, 2026
2	BTL Conducted Test	BTL	20260106	N/A	N/A

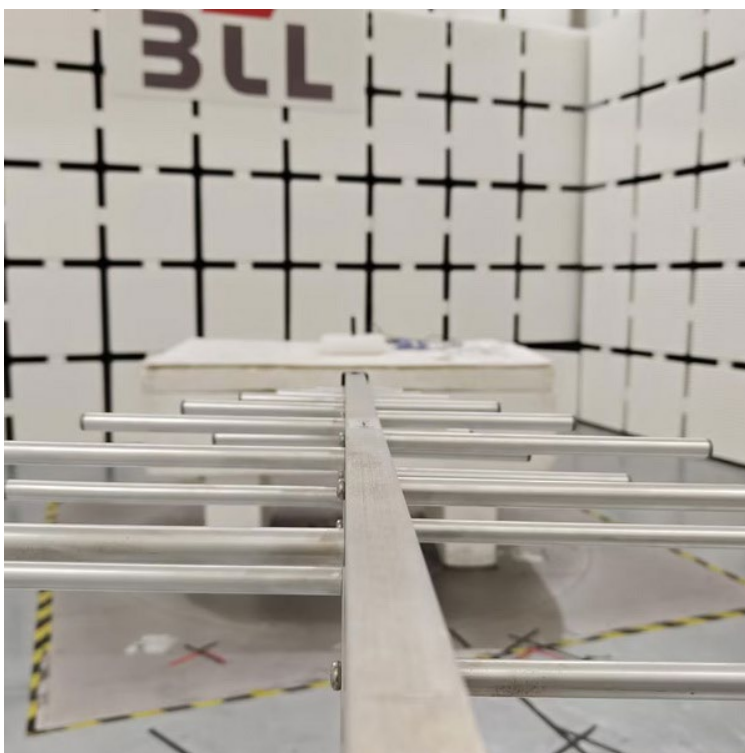
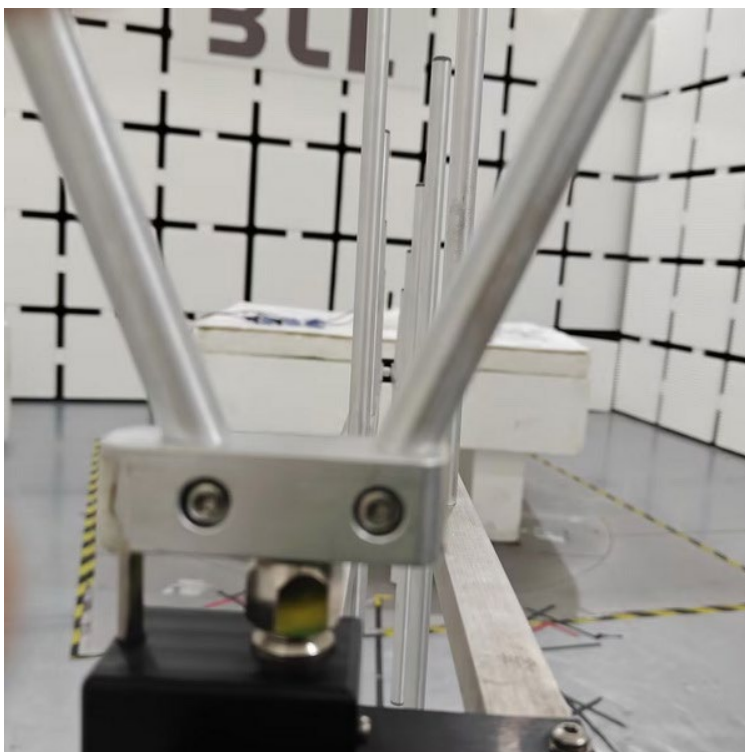
Power Spectral Density

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Jul. 04, 2026
2	BTL Conducted Test	BTL	20260106	N/A	N/A

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

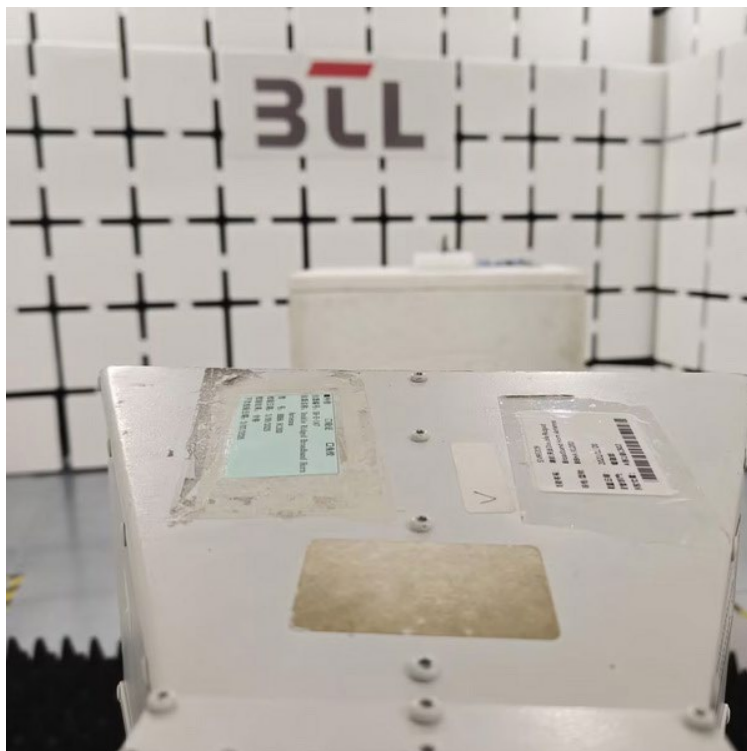
All calibration period of equipment list is one year.

11. EUT TEST PHOTO**Radiated Emissions Test Photos****9 kHz to 30 MHz**

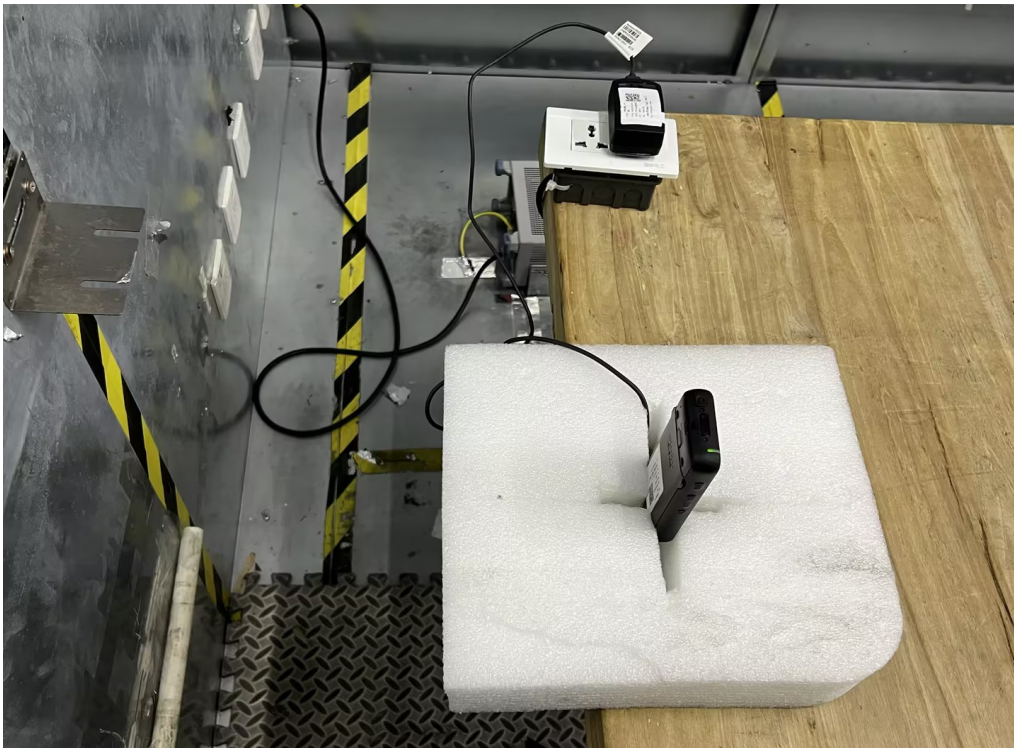
Radiated Emissions Test Photos**30 MHz to 1 GHz**

Radiated Emissions Test Photos

1 GHz to 18 GHz

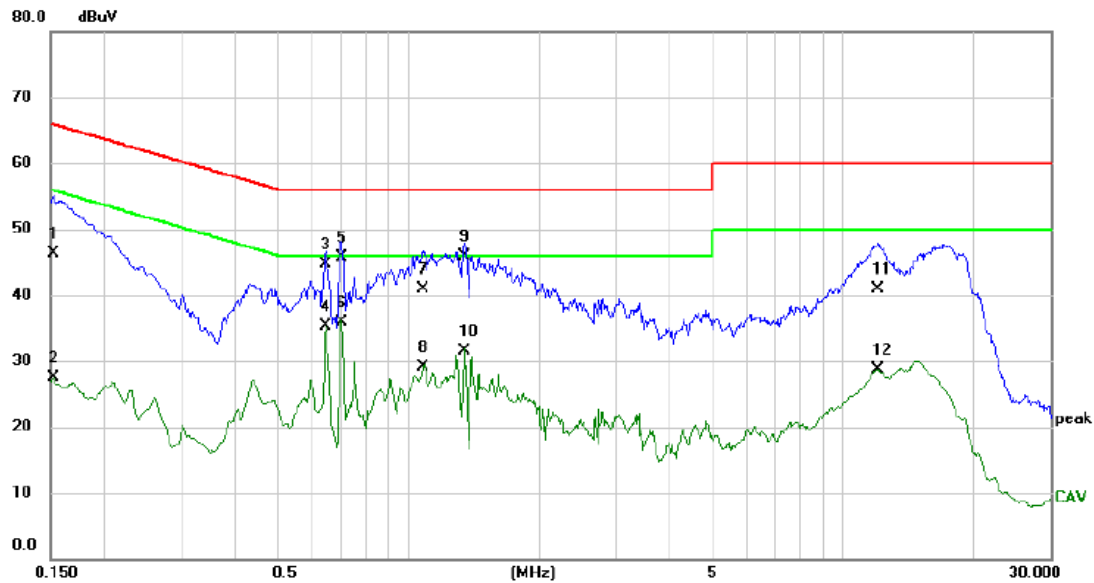


Radiated Emissions Test Photos**18 GHz to 26.5 GHz**

AC Power Line Conducted Emissions Test Photos

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX AX(HE20) Mode Channel 06	Phase	Line
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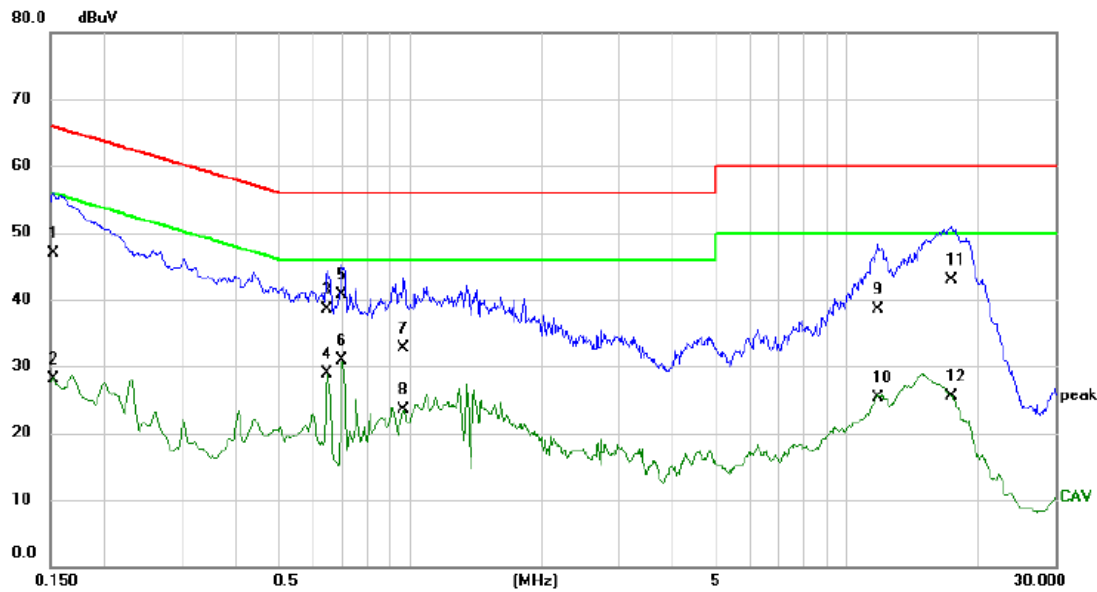
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1522	36.70	9.60	46.30	65.88	-19.58	QP	
2		0.1522	18.00	9.60	27.60	55.88	-28.28	AVG	
3		0.6472	35.10	9.59	44.69	56.00	-11.31	QP	
4		0.6472	25.70	9.59	35.29	46.00	-10.71	AVG	
5		0.7012	36.20	9.58	45.78	56.00	-10.22	QP	
6	*	0.7012	26.40	9.58	35.98	46.00	-10.02	AVG	
7		1.0815	31.20	9.62	40.82	56.00	-15.18	QP	
8		1.0815	19.50	9.62	29.12	46.00	-16.88	AVG	
9		1.3470	36.30	9.64	45.94	56.00	-10.06	QP	
10		1.3470	21.80	9.64	31.44	46.00	-14.56	AVG	
11		12.0434	30.90	9.92	40.82	60.00	-19.18	QP	
12		12.0434	18.70	9.92	28.62	50.00	-21.38	AVG	

REMARKS:

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

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

Test Mode	TX AX(HE20) Mode Channel 06	Phase	Neutral
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No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1522	37.30	9.67	46.97	65.88	-18.91	QP	
2	0.1522	18.50	9.67	28.17	55.88	-27.71	AVG	
3	0.6472	28.90	9.68	38.58	56.00	-17.42	QP	
4	0.6472	19.20	9.68	28.88	46.00	-17.12	AVG	
5	0.6990	31.10	9.67	40.77	56.00	-15.23	QP	
6 *	0.6990	21.30	9.67	30.97	46.00	-15.03	AVG	
7	0.9667	23.00	9.68	32.68	56.00	-23.32	QP	
8	0.9667	13.80	9.68	23.48	46.00	-22.52	AVG	
9	11.7555	28.40	10.02	38.42	60.00	-21.58	QP	
10	11.7555	15.30	10.02	25.32	50.00	-24.68	AVG	
11	17.3063	32.50	10.43	42.93	60.00	-17.07	QP	
12	17.3063	15.10	10.43	25.53	50.00	-24.47	AVG	

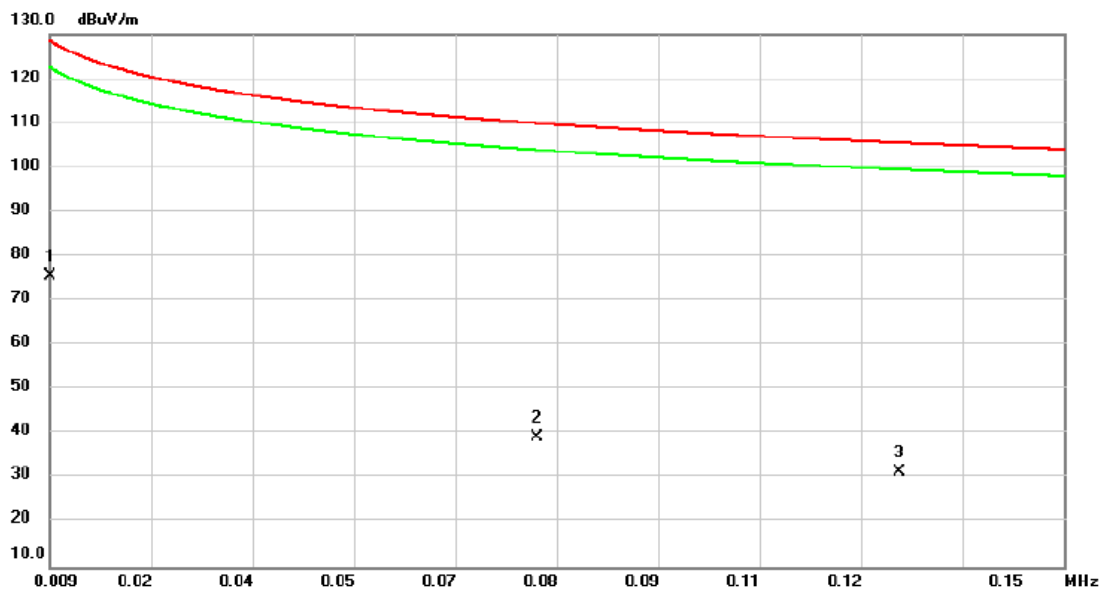
REMARKS:

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

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

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode	TX AX(HE20) Mode Channel 06	Polarization	Vertical
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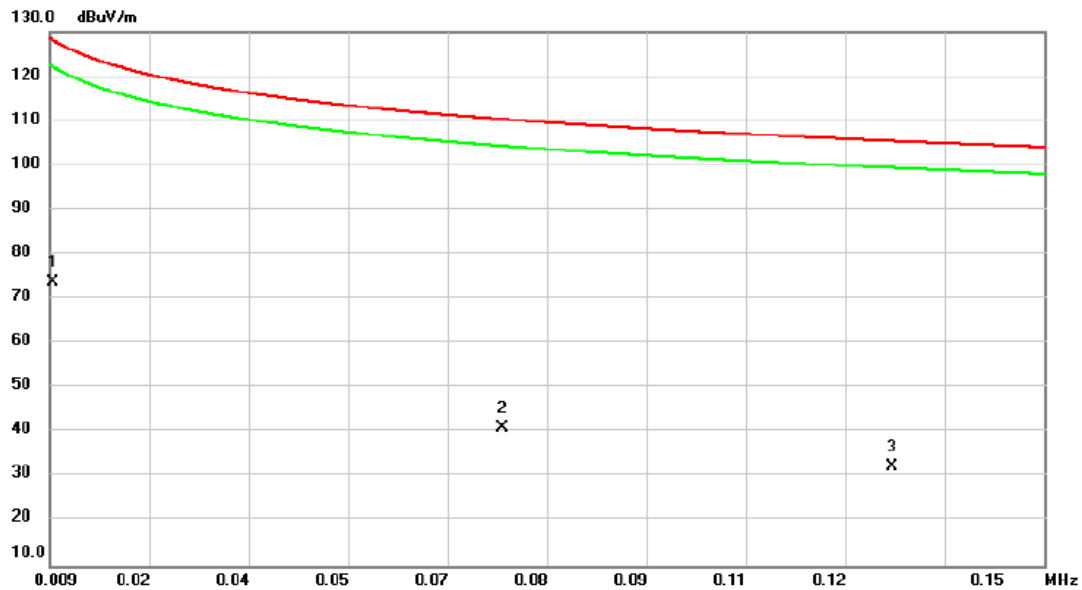
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	0.0090	5.34	70.07	75.41	128.52	-53.11	AVG	
2		0.0768	5.02	34.16	39.18	109.90	-70.72	AVG	
3		0.1271	5.76	25.81	31.57	105.52	-73.95	AVG	

REMARKS:

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

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

Test Mode	TX AX(HE20) Mode Channel 06	Polarization	Horizontal
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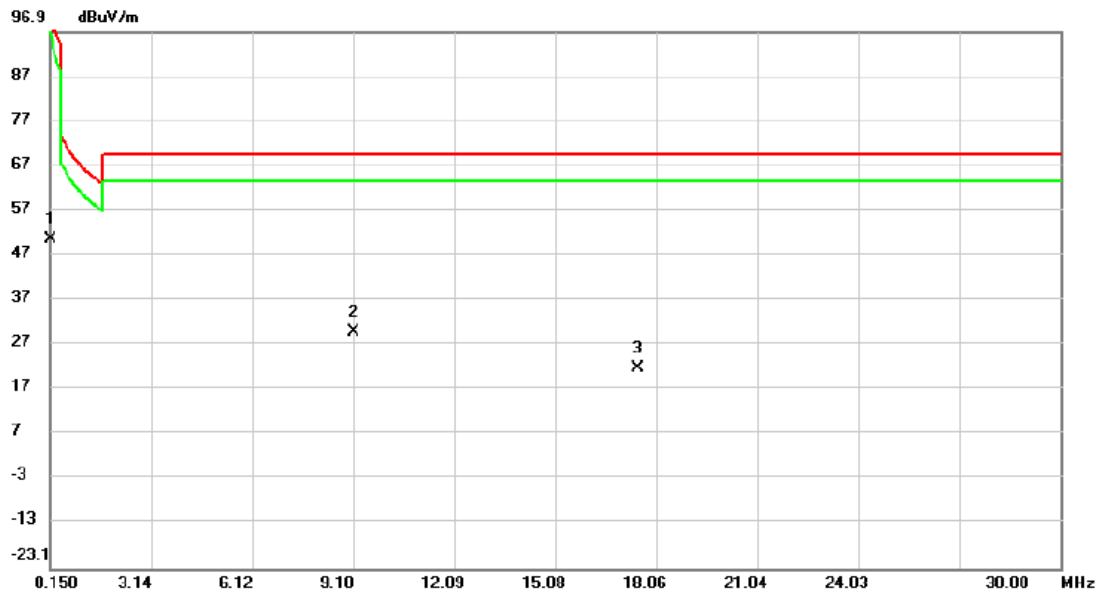


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV		dBuV/m	dBuV/m	dB		
1	*	0.0094	4.34	69.46	73.80	128.14	-54.34	AVG	
2		0.0732	5.84	35.08	40.92	110.31	-69.39	AVG	
3		0.1284	6.67	25.66	32.33	105.44	-73.11	AVG	

REMARKS:

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

Test Mode	TX AX(HE20) Mode Channel 06	Polarization	Vertical
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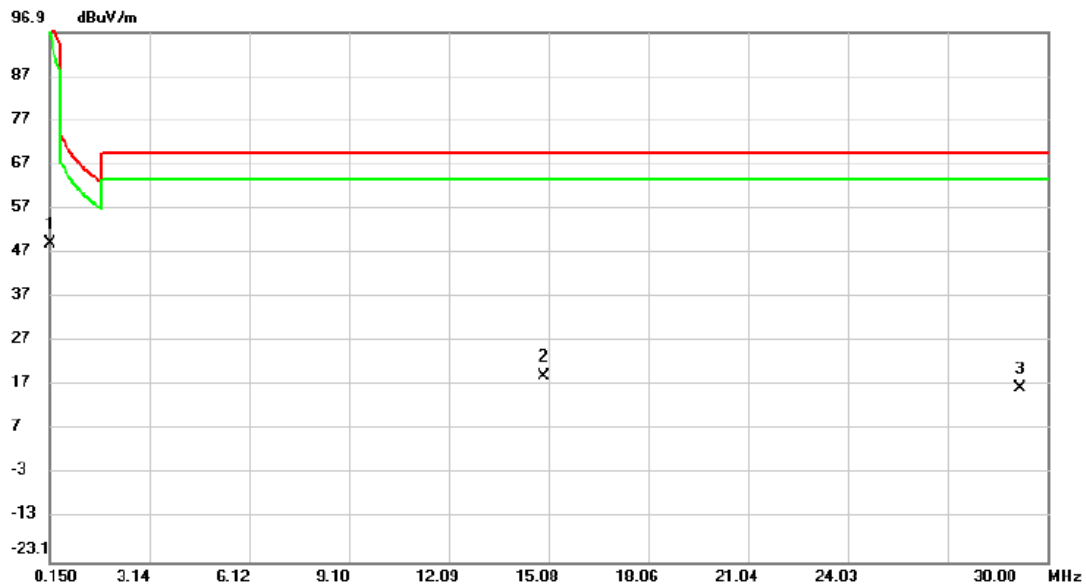
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		0.1500	26.81	23.80	50.61	104.09	-53.48	AVG	
2	*	9.1050	31.92	-2.00	29.92	69.54	-39.62	QP	
3		17.5078	24.93	-3.16	21.77	69.54	-47.77	QP	

REMARKS:

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

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

Test Mode	TX AX(HE20) Mode Channel 06	Polarization	Horizontal
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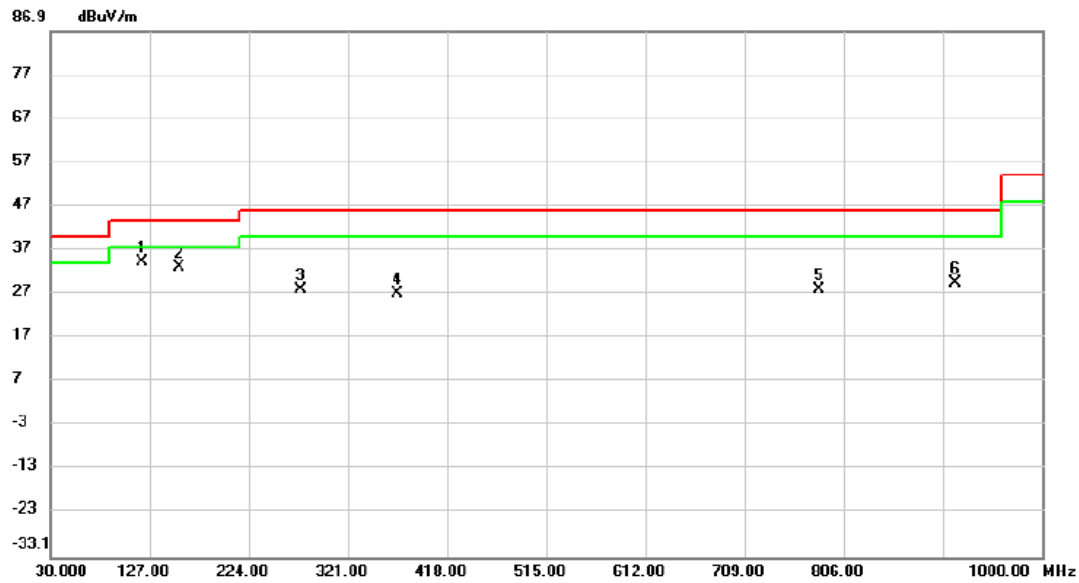
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector Comment
1		0.1500	25.38	23.80	49.18	104.09	-54.91	AVG
2	*	14.9407	21.76	-2.70	19.06	69.54	-50.48	QP
3		29.1642	19.59	-3.16	16.43	69.54	-53.11	QP

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 AX(HE20) Mode Channel 06	Polarization	Vertical
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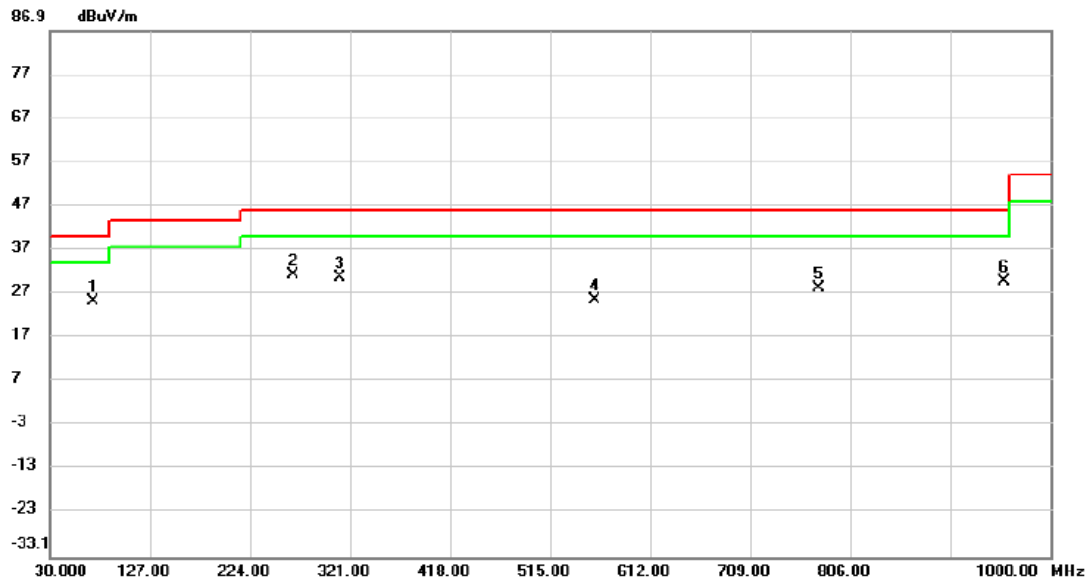
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	120.2100	52.85	-18.70	34.15	43.50	-9.35	peak	
2		156.1000	49.06	-16.00	33.06	43.50	-10.44	peak	
3		274.4400	43.84	-15.97	27.87	46.00	-18.13	peak	
4		369.5000	40.68	-13.50	27.18	46.00	-18.82	peak	
5		781.7500	33.23	-5.39	27.84	46.00	-18.16	peak	
6		914.6400	34.07	-4.66	29.41	46.00	-16.59	peak	

REMARKS:

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

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

Test Mode	TX AX(HE20) Mode Channel 06	Polarization	Horizontal
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	72.1950	44.51	-19.22	25.29	40.00	-14.71	peak	
2		265.7100	47.59	-16.35	31.24	46.00	-14.76	peak	
3		311.3000	45.47	-14.78	30.69	46.00	-15.31	peak	
4		558.6500	35.07	-9.52	25.55	46.00	-20.45	peak	
5		775.9300	33.61	-5.48	28.13	46.00	-17.87	peak	
6		954.8950	33.90	-4.14	29.76	46.00	-16.24	peak	

REMARKS:

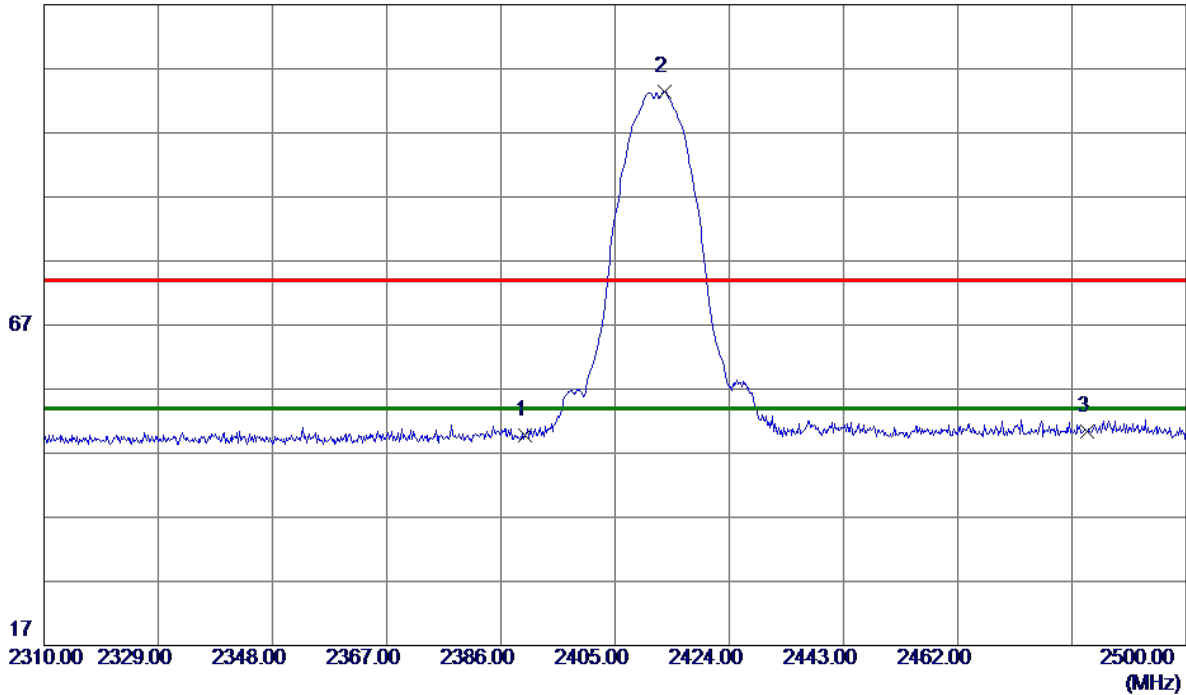
(1) Measurement Value = Reading Level + Correct Factor.

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

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

Test Mode	TX B Mode 2412 MHz	Polarization	Vertical
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117 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	43.67	6.15	49.82	74.00	-24.18	Peak	
2 *	2413.1980	97.18	6.24	103.42	74.00	29.42	Peak	
3	2483.5000	43.85	6.52	50.37	74.00	-23.63	Peak	

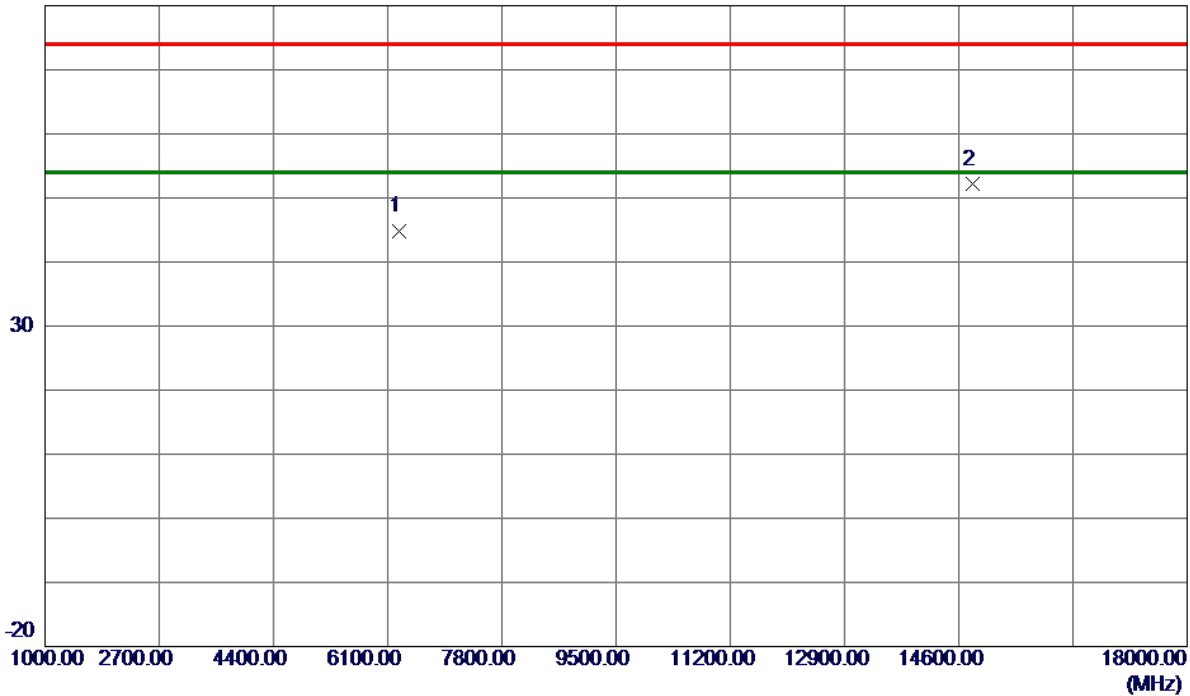
REMARKS:

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

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

Test Mode	TX B Mode 2412 MHz	Polarization	Vertical
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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	6275.1000	41.27	3.48	44.75	74.00	-29.25	Peak	
2 *	14816.7500	42.44	9.66	52.10	74.00	-21.90	Peak	

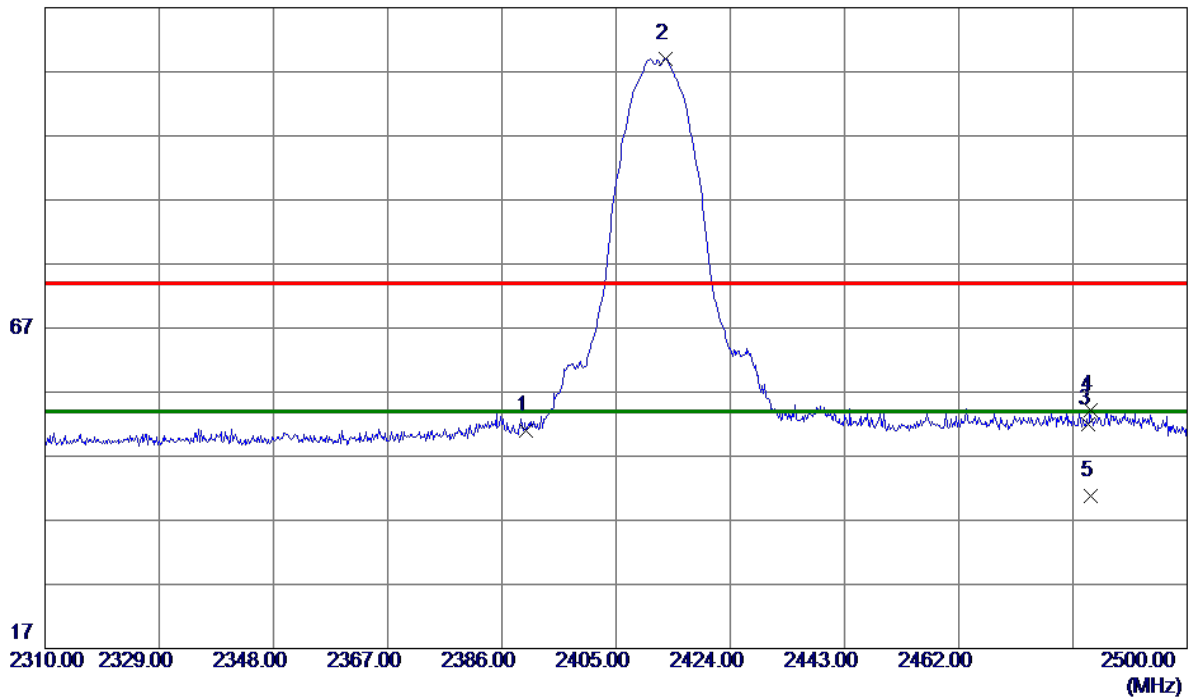
REMARKS:

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

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

Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal
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117 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	44.94	6.15	51.09	74.00	-22.91	Peak	
2 *	2413.1700	102.73	6.24	108.97	74.00	34.97	Peak	
3	2483.5000	45.54	6.52	52.06	74.00	-21.94	Peak	
4	2483.8690	47.69	6.53	54.22	74.00	-19.78	Peak	
5	2483.8690	34.18	6.53	40.71	54.00	-13.29	AVG	

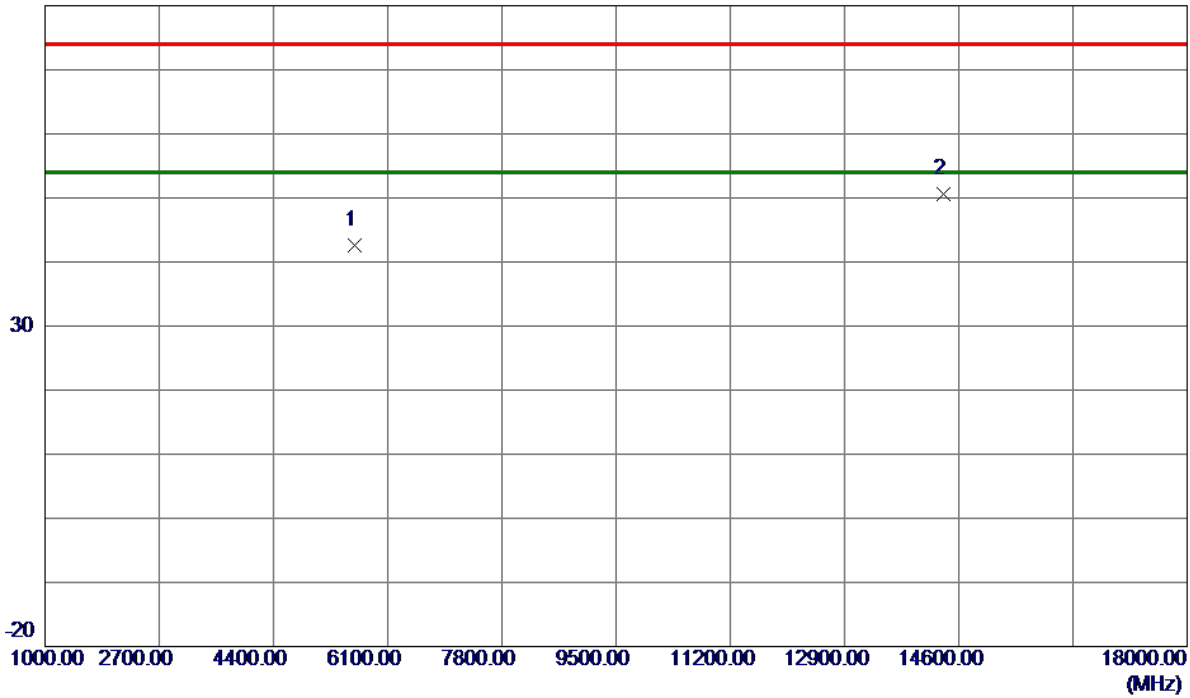
REMARKS:

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

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

Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal
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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	5611.2500	40.59	1.98	42.57	74.00	-31.43	Peak	
2 *	14382.4000	40.45	10.17	50.62	74.00	-23.38	Peak	

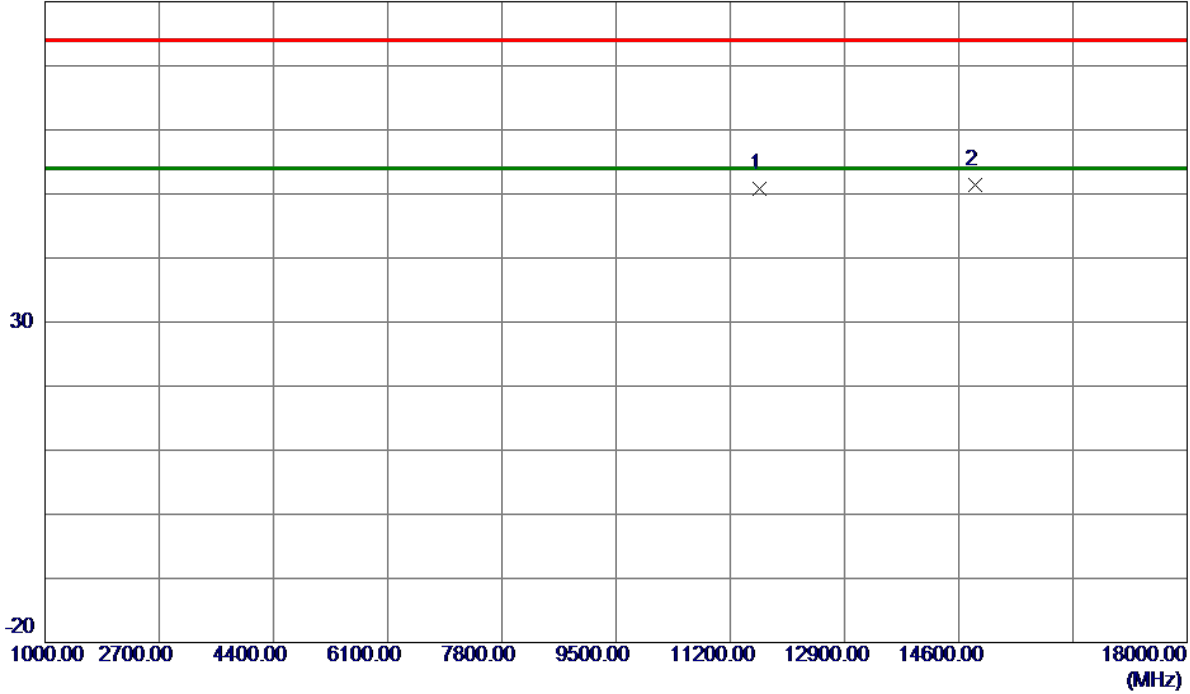
REMARKS:

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

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

Test Mode	TX B Mode 2437 MHz	Polarization	Vertical
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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	11626.7000	41.14	9.66	50.80	74.00	-23.20	Peak	
2 *	14845.6500	41.73	9.60	51.33	74.00	-22.67	Peak	

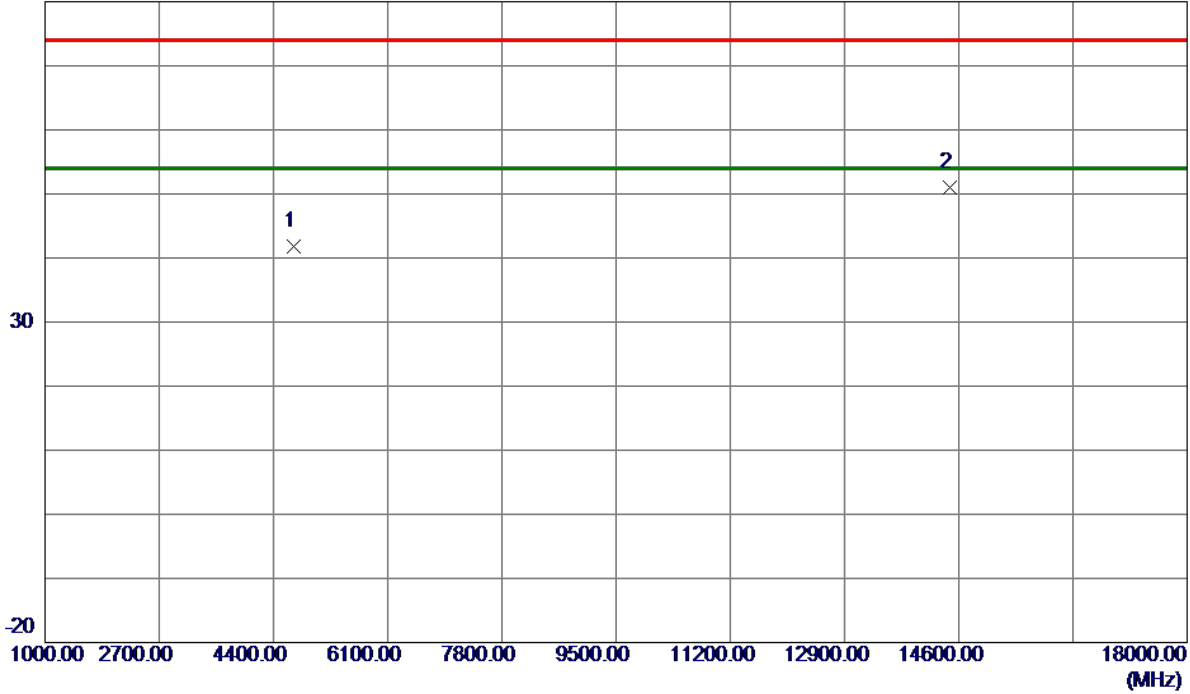
REMARKS:

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

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

Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal
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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	4704.3000	41.03	0.82	41.85	74.00	-32.15	Peak	
2 *	14472.5000	40.68	10.27	50.95	74.00	-23.05	Peak	

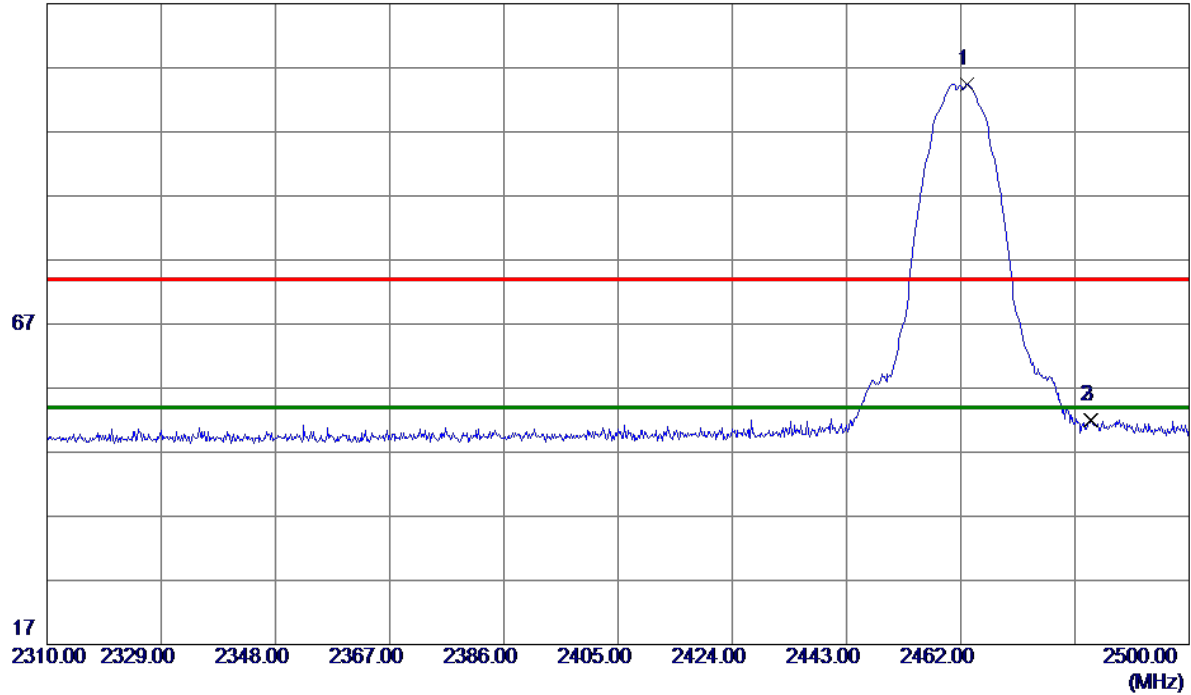
REMARKS:

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

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

Test Mode	TX B Mode 2462 MHz	Polarization	Vertical
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117 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2463.1590	98.03	6.44	104.47	74.00	30.47	Peak	
2	2483.5000	45.54	6.52	52.06	74.00	-21.94	Peak	
3	2483.7070	45.53	6.53	52.06	74.00	-21.94	Peak	

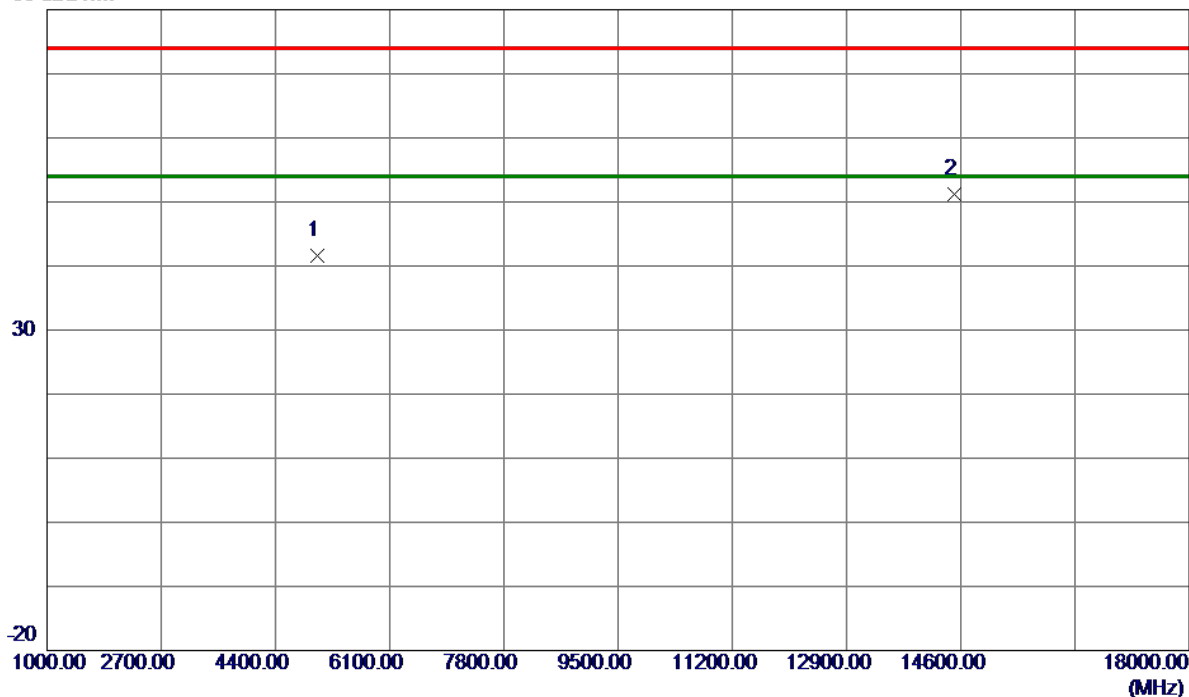
REMARKS:

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

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

Test Mode	TX B Mode 2462 MHz	Polarization	Vertical
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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	5028.1500	40.05	1.48	41.53	74.00	-32.47	Peak	
2 *	14498.8500	40.91	10.30	51.21	74.00	-22.79	Peak	

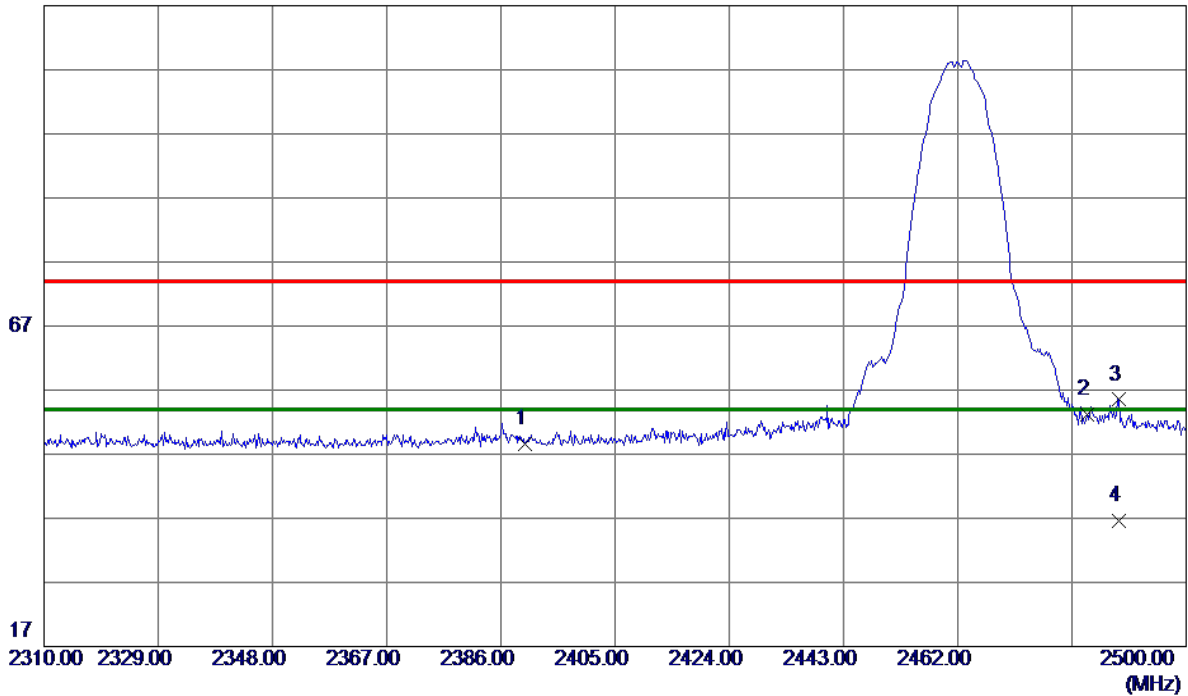
REMARKS:

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

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

Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal
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117 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	42.44	6.15	48.59	74.00	-25.41	Peak	
2	2483.5000	46.60	6.52	53.12	74.00	-20.88	Peak	
3	2488.7900	48.95	6.55	55.50	74.00	-18.50	Peak	
4 *	2488.7900	30.14	6.55	36.69	54.00	-17.31	AVG	

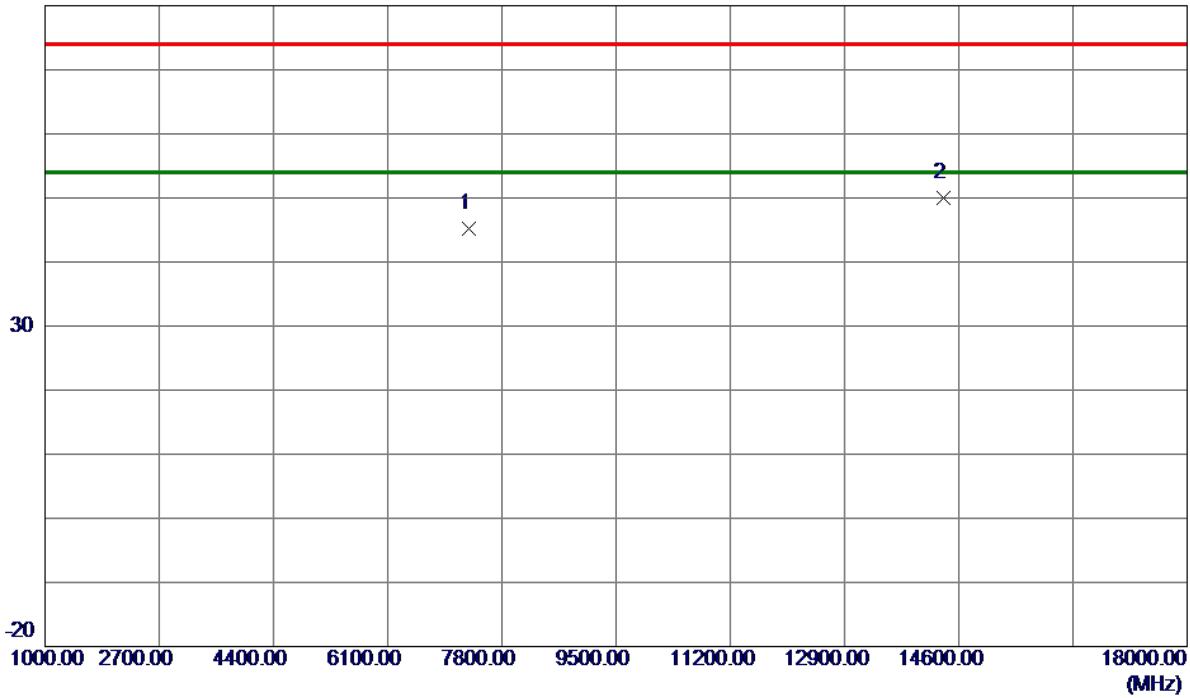
REMARKS:

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

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

Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal
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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	7316.3500	38.57	6.61	45.18	74.00	-28.82	Peak	
2 *	14379.0000	39.84	10.17	50.01	74.00	-23.99	Peak	

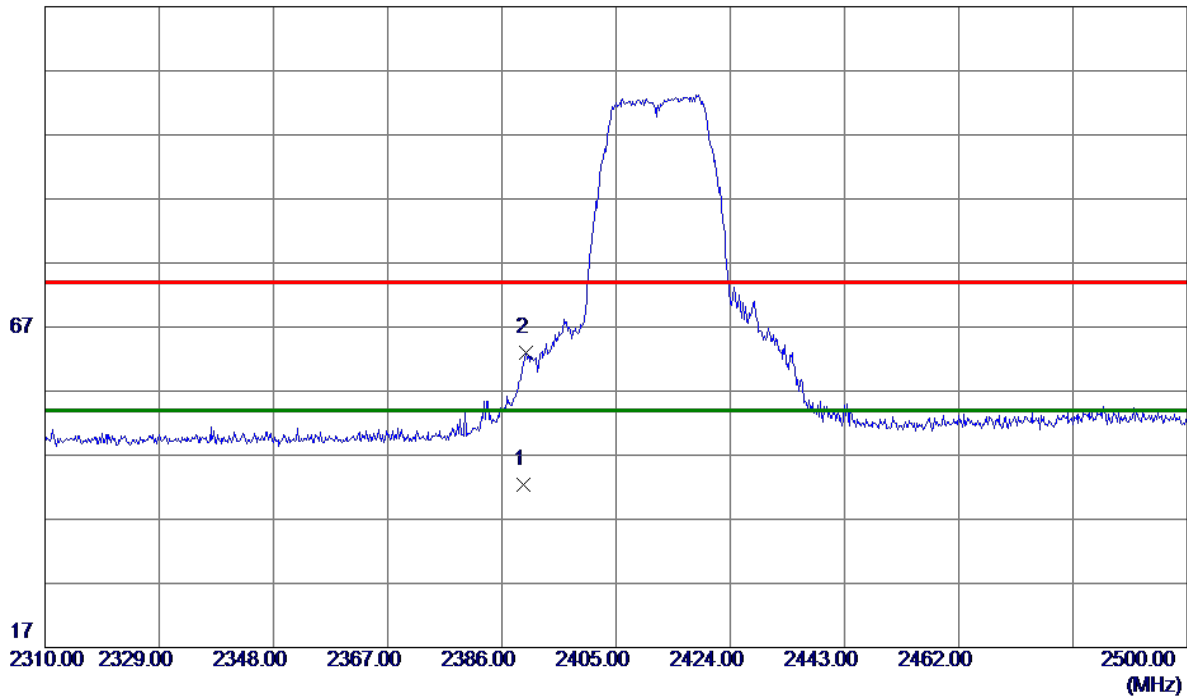
REMARKS:

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

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

Test Mode	TX G Mode 2412 MHz	Polarization	Vertical
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117 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2389.5149	36.22	6.15	42.37	54.00	-11.63	AVG	
2 *	2390.0000	56.87	6.15	63.02	74.00	-10.98	Peak	

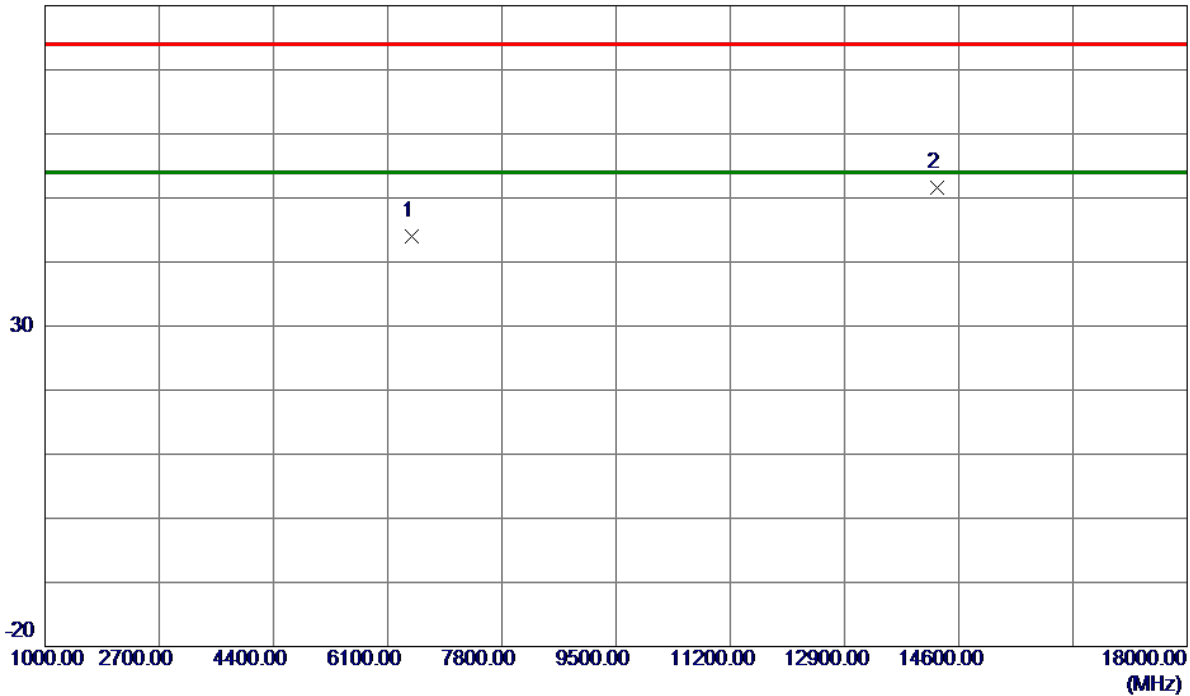
REMARKS:

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

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

Test Mode	TX G Mode 2412 MHz	Polarization	Vertical
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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	6461.2500	39.89	4.03	43.92	74.00	-30.08	Peak	
2 *	14281.2500	41.55	10.06	51.61	74.00	-22.39	Peak	

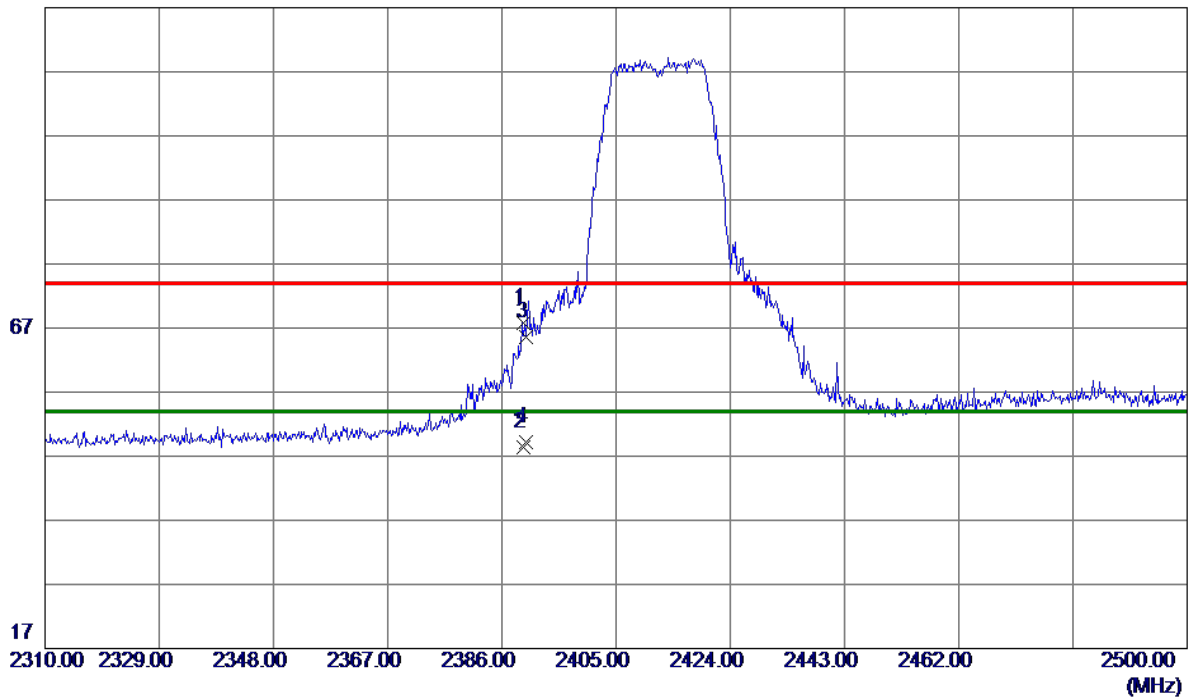
REMARKS:

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

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

Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal
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117 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2389.5149	61.64	6.15	67.79	74.00	-6.21	Peak	
2	2389.5149	42.26	6.15	48.41	54.00	-5.59	AVG	
3	2390.0000	59.43	6.15	65.58	74.00	-8.42	Peak	
4 *	2390.0000	43.12	6.15	49.27	54.00	-4.73	AVG	

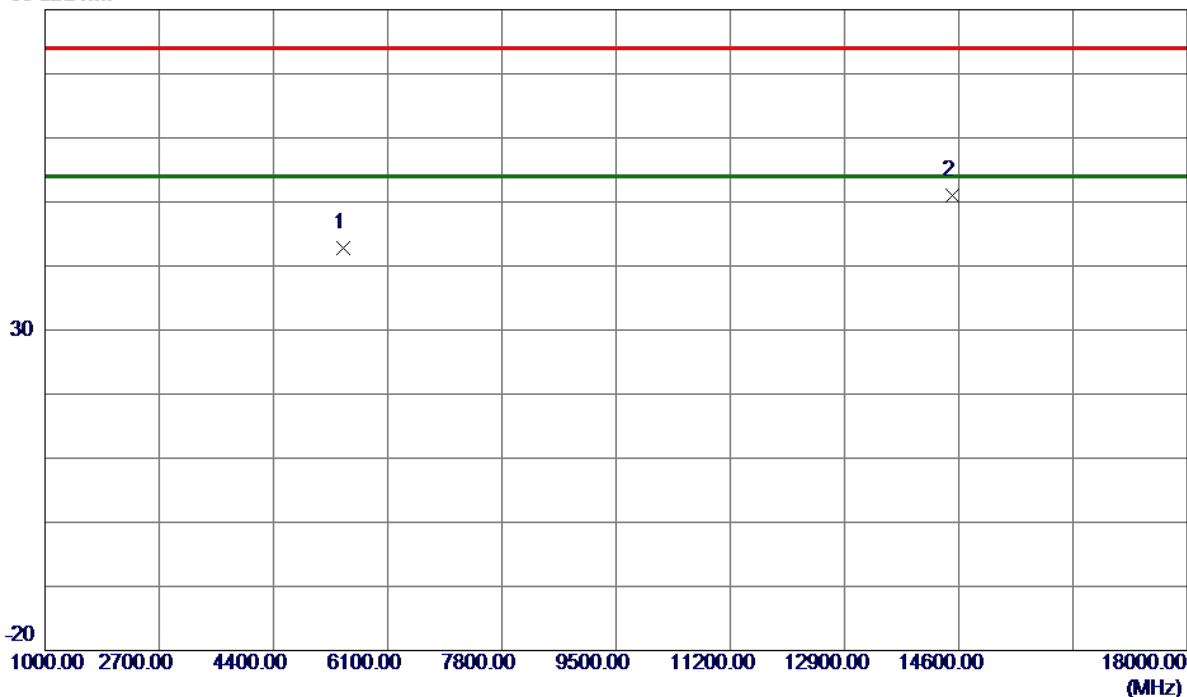
REMARKS:

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

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

Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal
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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	5443.8000	41.01	1.74	42.75	74.00	-31.25	Peak	
2 *	14510.7500	40.78	10.28	51.06	74.00	-22.94	Peak	

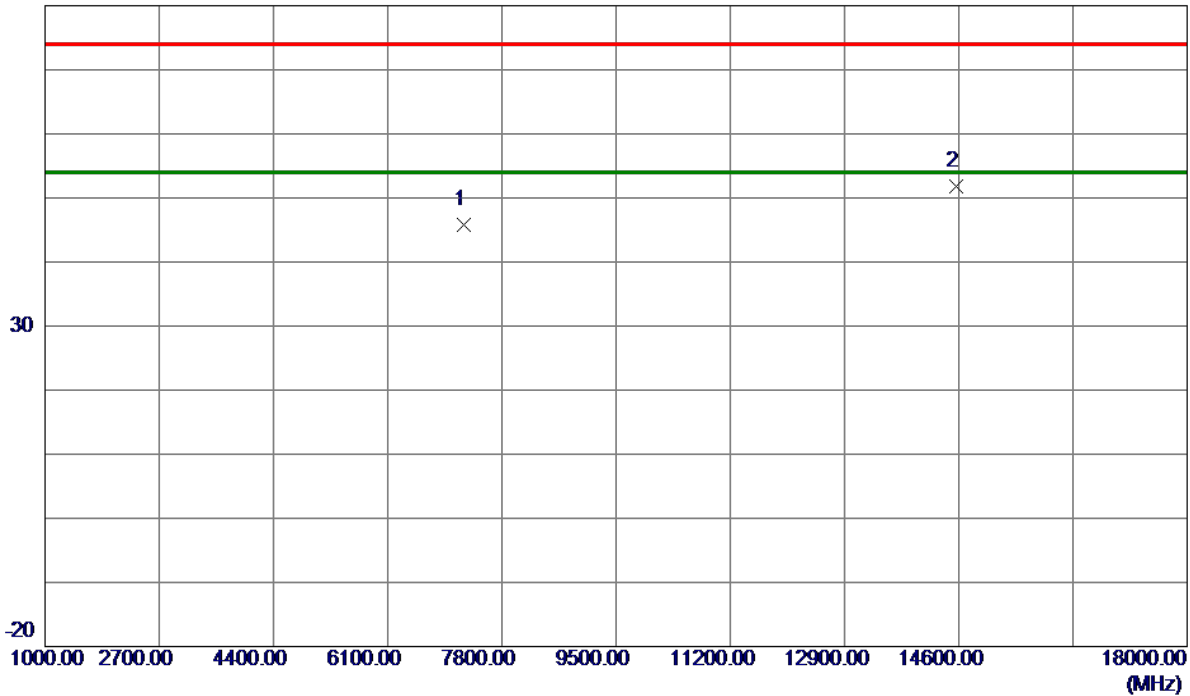
REMARKS:

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

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

Test Mode	TX G Mode 2437 MHz	Polarization	Vertical
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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	7241.5500	39.53	6.35	45.88	74.00	-28.12	Peak	
2 *	14554.1000	41.62	10.19	51.81	74.00	-22.19	Peak	

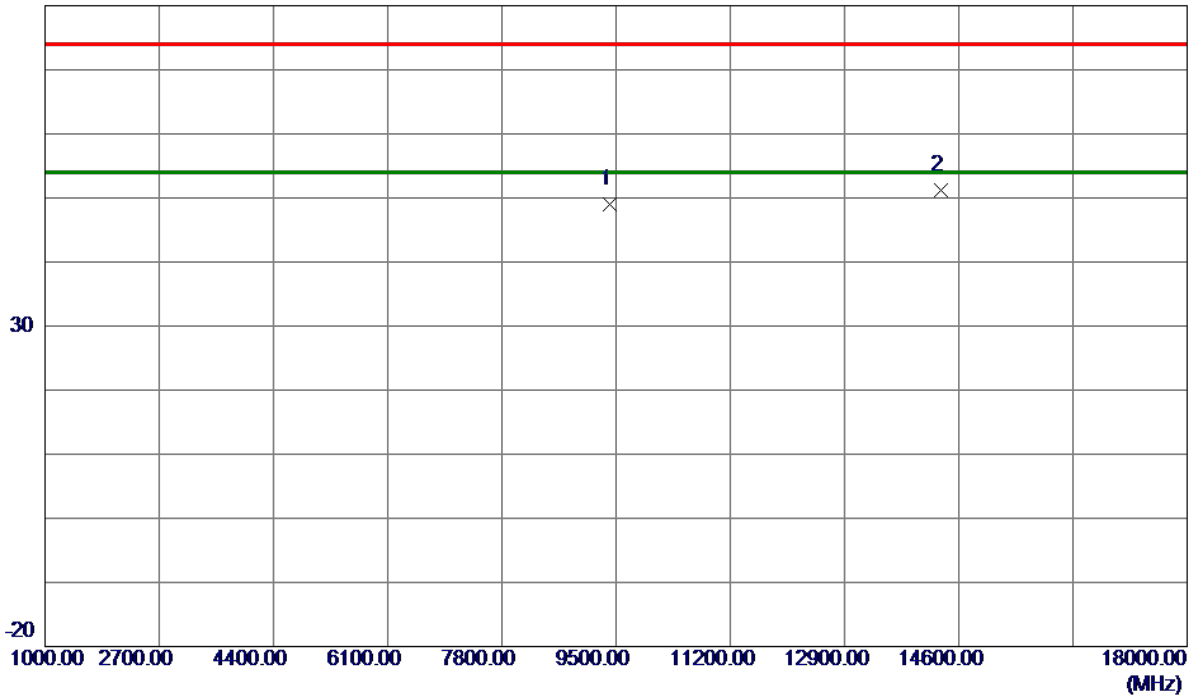
REMARKS:

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

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

Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal
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80 dBuV/m



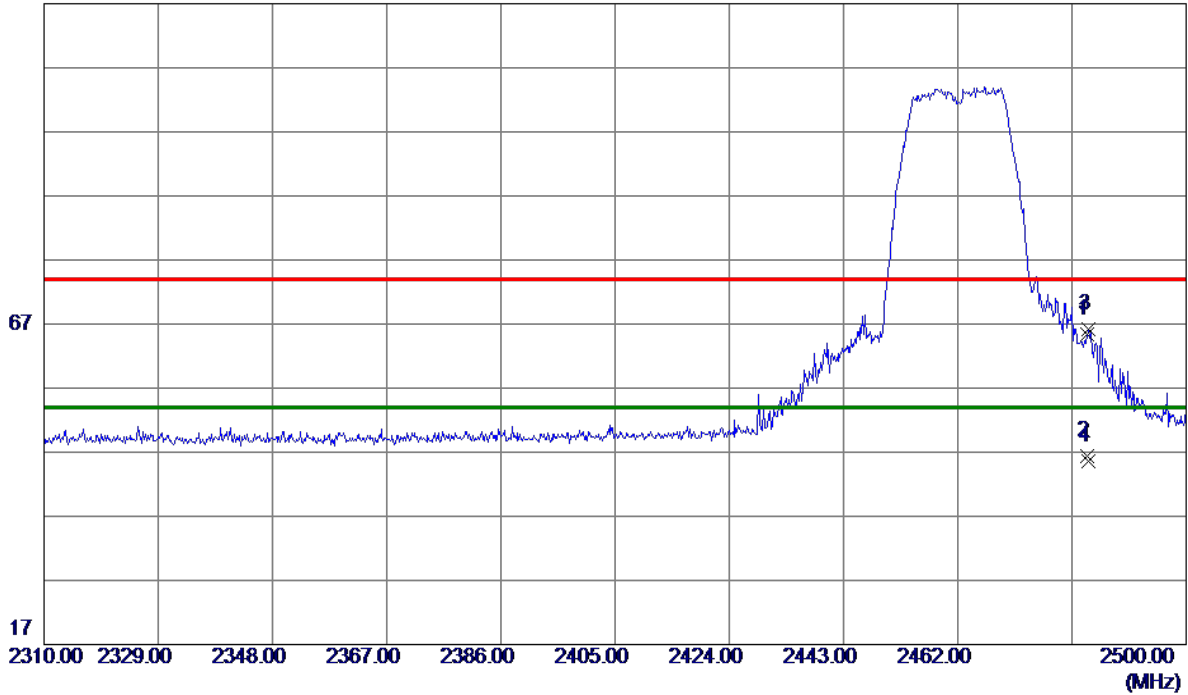
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9413.3000	40.15	8.87	49.02	74.00	-24.98	Peak	
2 *	14339.0500	41.04	10.12	51.16	74.00	-22.84	Peak	

REMARKS:

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

Test Mode	TX G Mode 2462 MHz	Polarization	Vertical
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117 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2483.5000	58.83	6.52	65.35	74.00	-8.65	Peak	
2 *	2483.5000	39.88	6.52	46.40	54.00	-7.60	AVG	
3	2483.8500	59.66	6.53	66.19	74.00	-7.81	Peak	
4	2483.8500	39.05	6.53	45.58	54.00	-8.42	AVG	

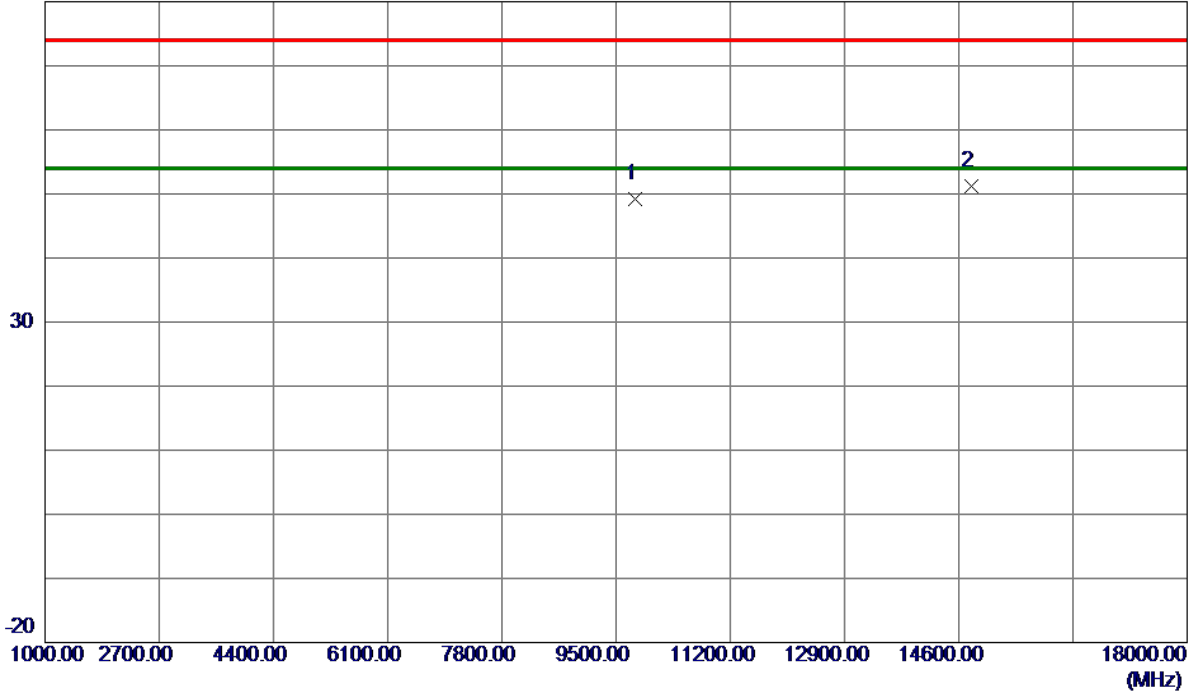
REMARKS:

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

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

Test Mode	TX G Mode 2462 MHz	Polarization	Vertical
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80 dBuV/m



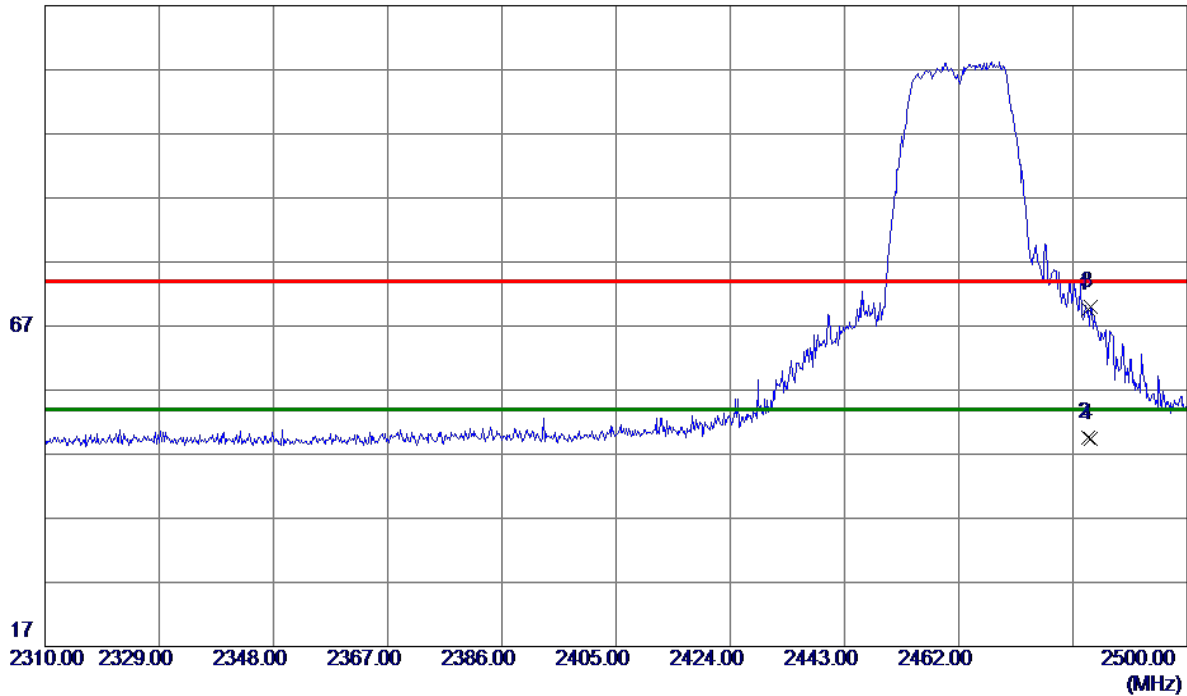
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	9782.2000	40.35	8.81	49.16	74.00	-24.84	Peak	
2 *	14796.3500	41.48	9.70	51.18	74.00	-22.82	Peak	

REMARKS:

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

Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal
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117 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2483.5000	63.15	6.52	69.67	74.00	-4.33	Peak	
2	2483.5000	43.15	6.52	49.67	54.00	-4.33	AVG	
3 *	2484.0400	63.54	6.53	70.07	74.00	-3.93	Peak	
4	2484.0400	42.89	6.53	49.42	54.00	-4.58	AVG	

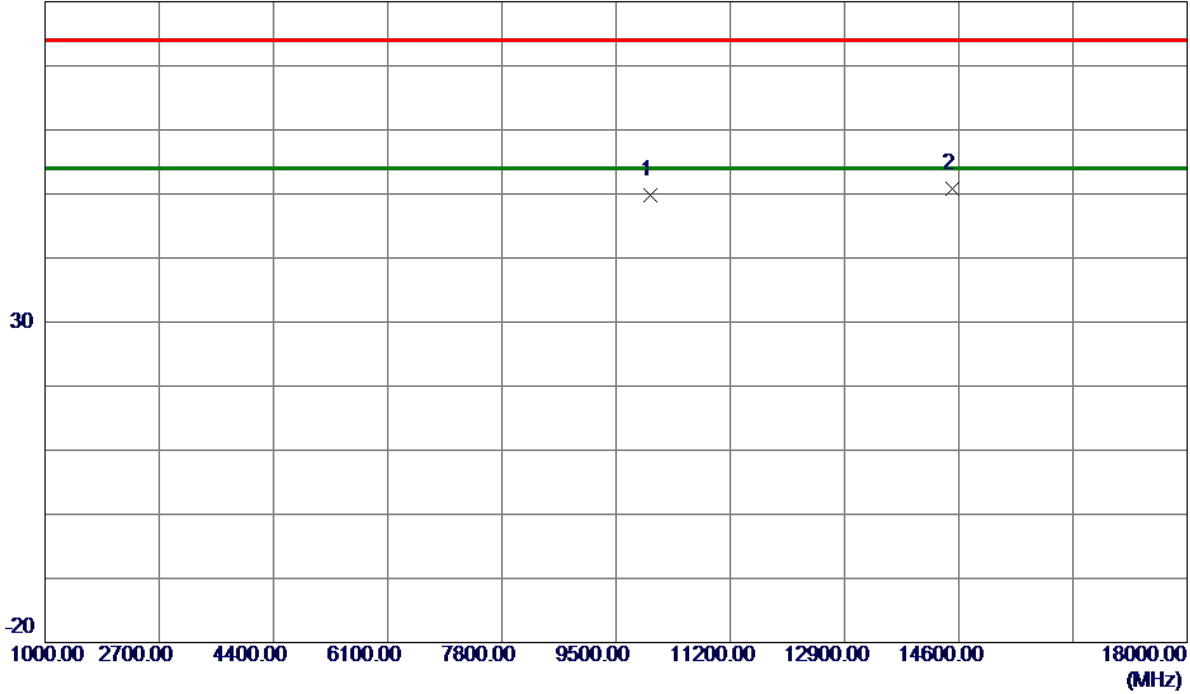
REMARKS:

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

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

Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal
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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	10003.2000	41.22	8.61	49.83	74.00	-24.17	Peak	
2 *	14504.8000	40.54	10.29	50.83	74.00	-23.17	Peak	

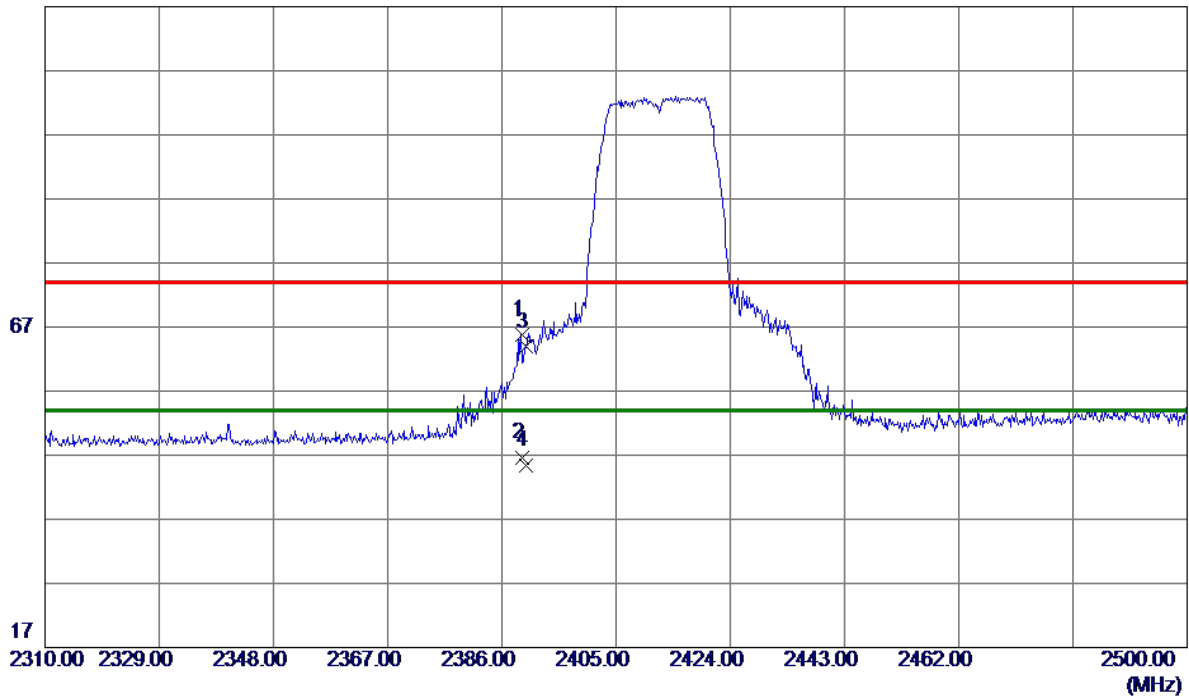
REMARKS:

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

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

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Vertical
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117 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2389.3250	59.64	6.15	65.79	74.00	-8.21	Peak	
2 *	2389.3250	40.38	6.15	46.53	54.00	-7.47	AVG	
3	2390.0000	57.75	6.15	63.90	74.00	-10.10	Peak	
4	2390.0000	39.32	6.15	45.47	54.00	-8.53	AVG	

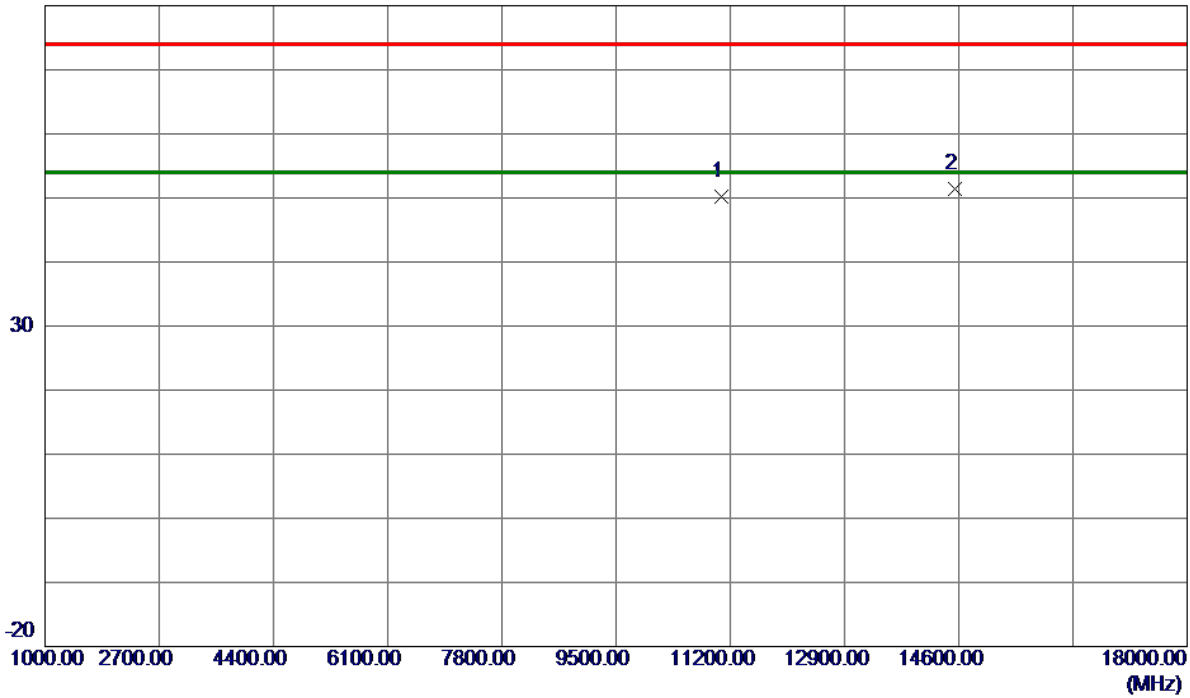
REMARKS:

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

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

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Vertical
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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	11076.7500	40.68	9.59	50.27	74.00	-23.73	Peak	
2 *	14552.4000	41.28	10.19	51.47	74.00	-22.53	Peak	

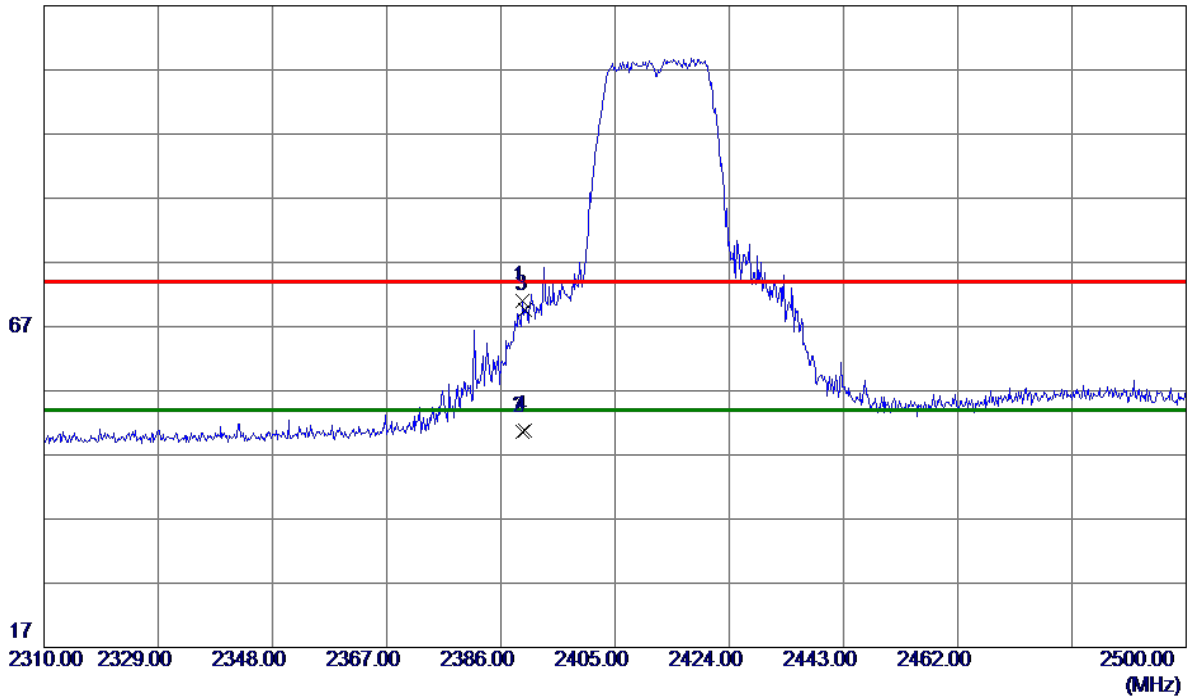
REMARKS:

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

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

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Horizontal
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117 dBuV/m



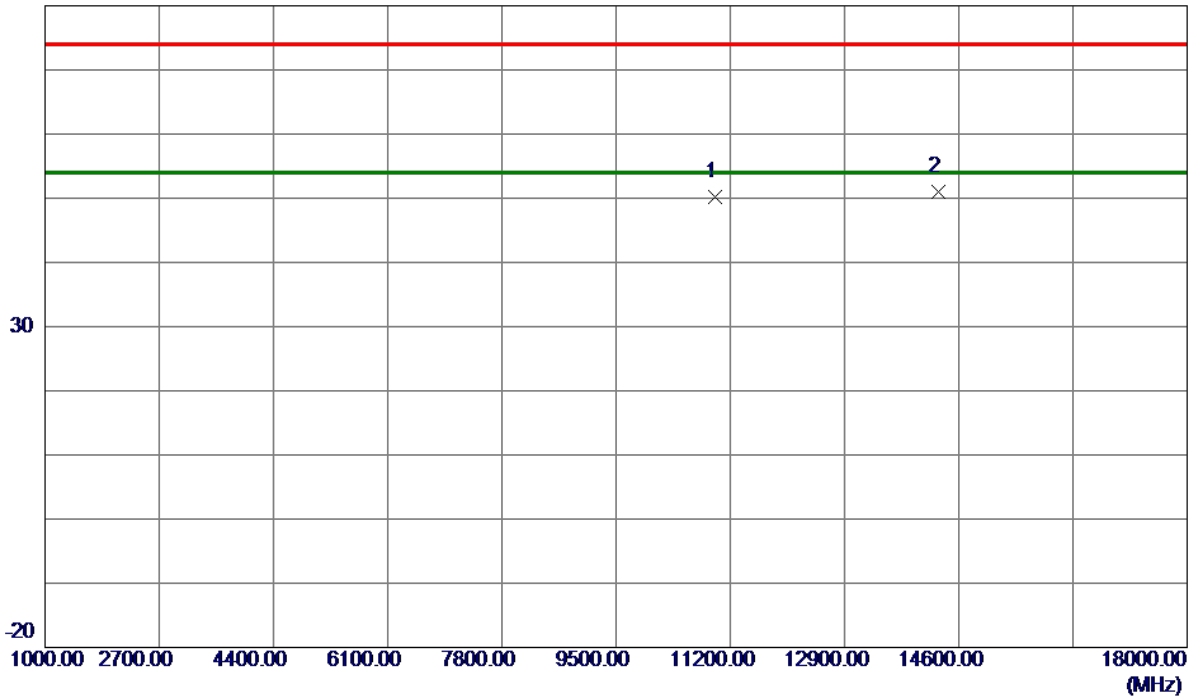
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2389.6100	64.76	6.15	70.91	74.00	-3.09	Peak	
2	2389.6100	44.38	6.15	50.53	54.00	-3.47	AVG	
3	2390.0000	63.45	6.15	69.60	74.00	-4.40	Peak	
4	2390.0000	44.70	6.15	50.85	54.00	-3.15	AVG	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Horizontal
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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	10972.2000	40.57	9.55	50.12	74.00	-23.88	Peak	
2 *	14294.0000	40.95	10.07	51.02	74.00	-22.98	Peak	

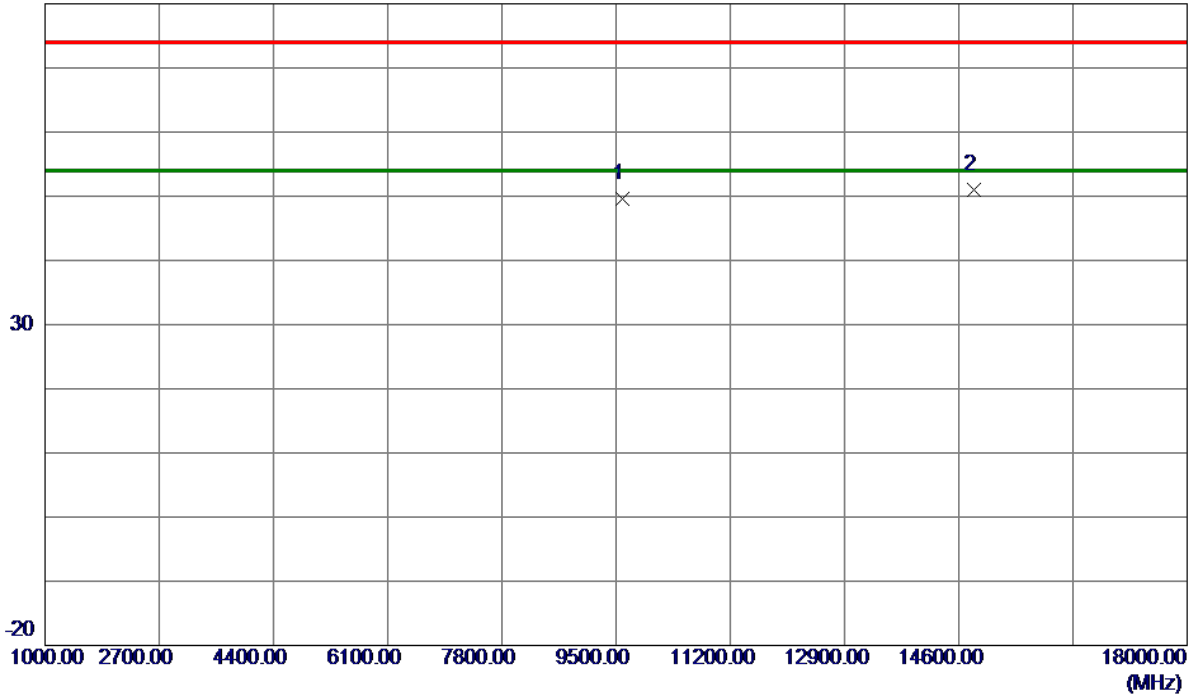
REMARKS:

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

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

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Vertical
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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	9594.3500	40.52	9.00	49.52	74.00	-24.48	Peak	
2 *	14825.2500	41.31	9.64	50.95	74.00	-23.05	Peak	

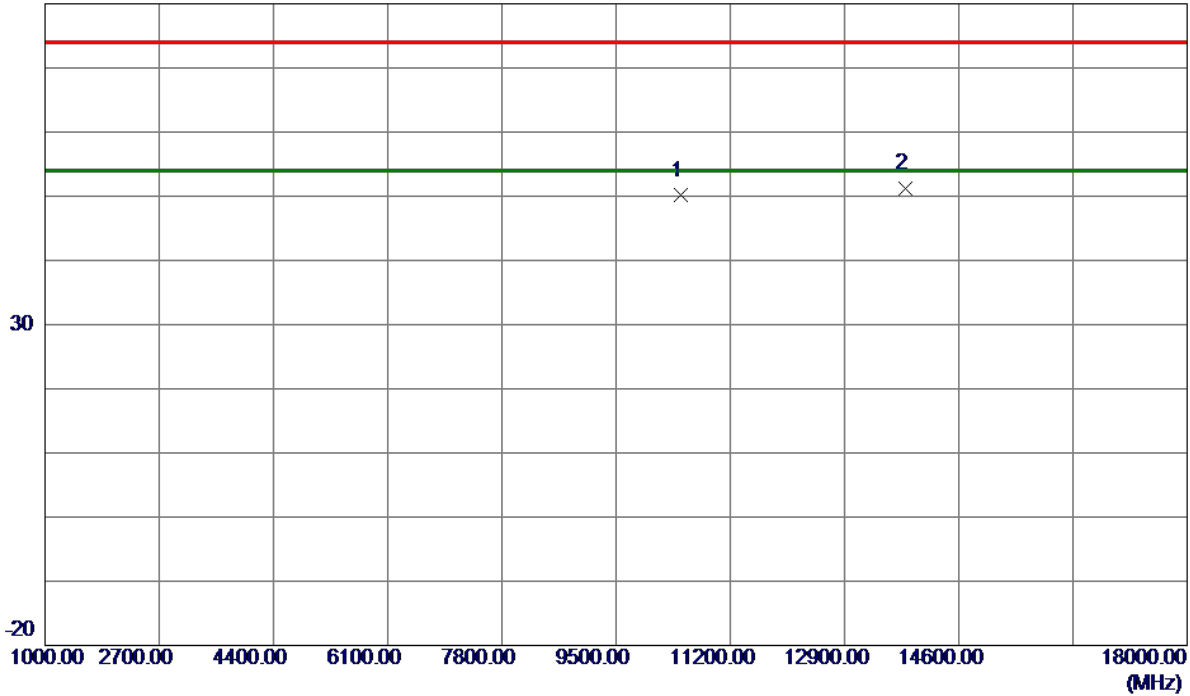
REMARKS:

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

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

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Horizontal
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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	10459.6500	40.76	9.34	50.10	74.00	-23.90	Peak	
2 *	13806.1000	41.40	9.74	51.14	74.00	-22.86	Peak	

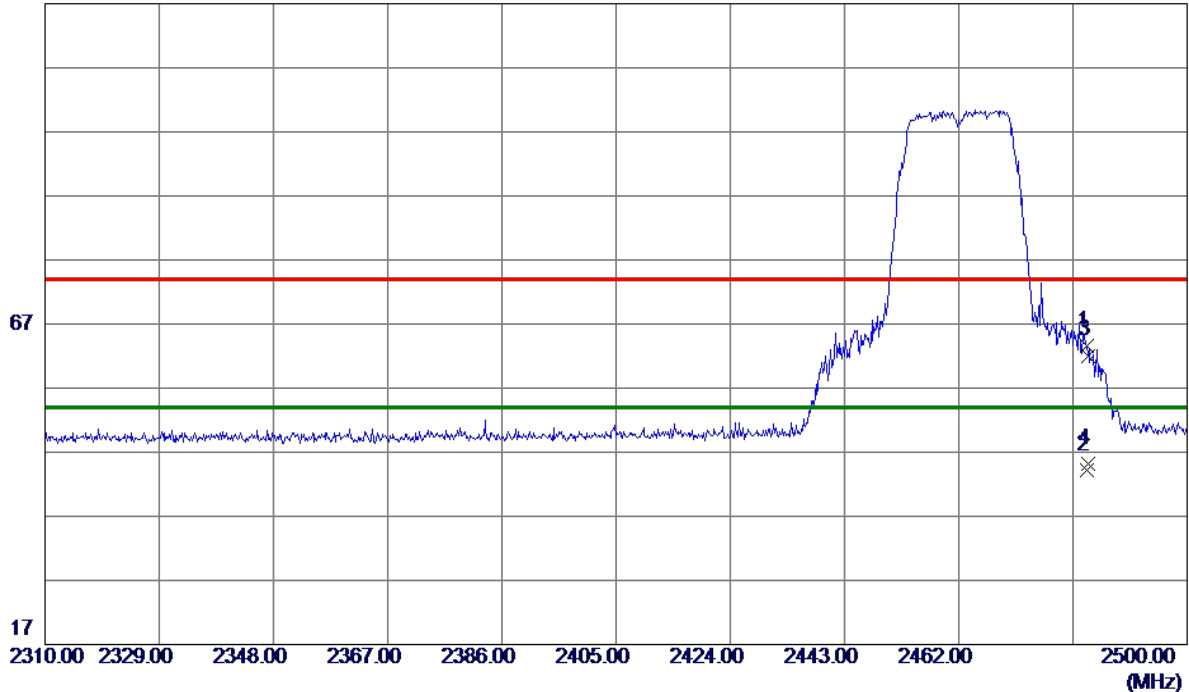
REMARKS:

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

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

Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Vertical
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117 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2483.2800	57.01	6.52	63.53	74.00	-10.47	Peak	
2	2483.2800	37.63	6.52	44.15	54.00	-9.85	AVG	
3	2483.5000	55.58	6.52	62.10	74.00	-11.90	Peak	
4 *	2483.5000	38.60	6.52	45.12	54.00	-8.88	AVG	

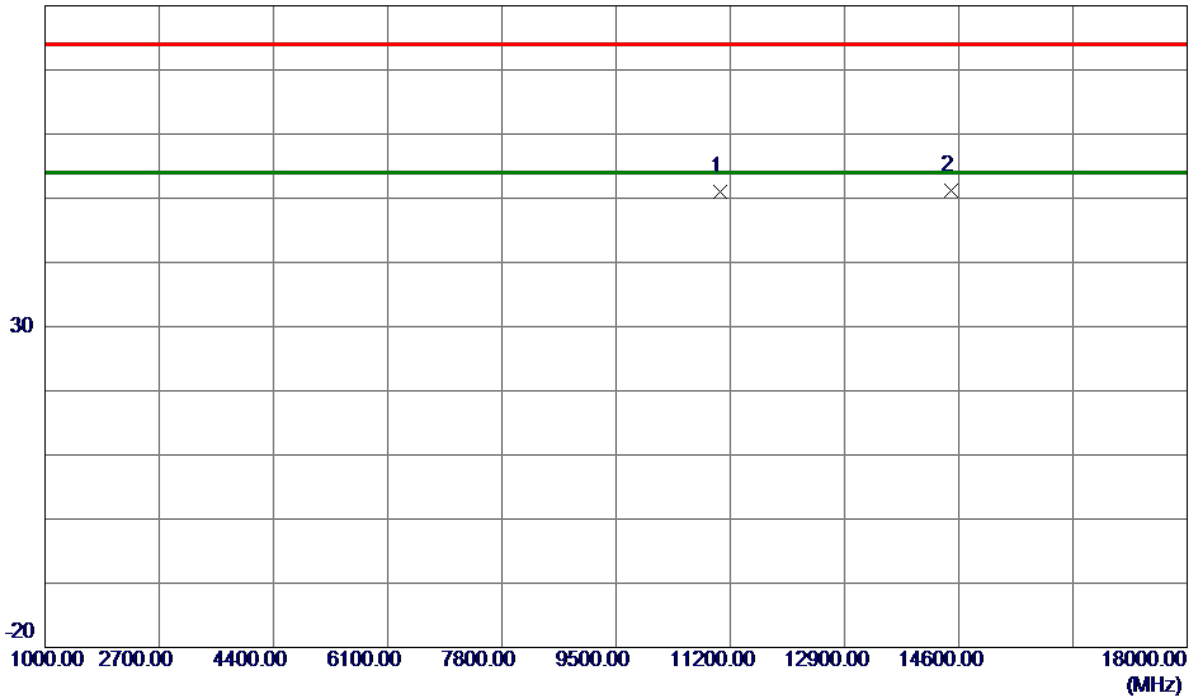
REMARKS:

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

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

Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Vertical
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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	11042.7500	41.45	9.58	51.03	74.00	-22.97	Peak	
2 *	14488.6500	40.87	10.29	51.16	74.00	-22.84	Peak	

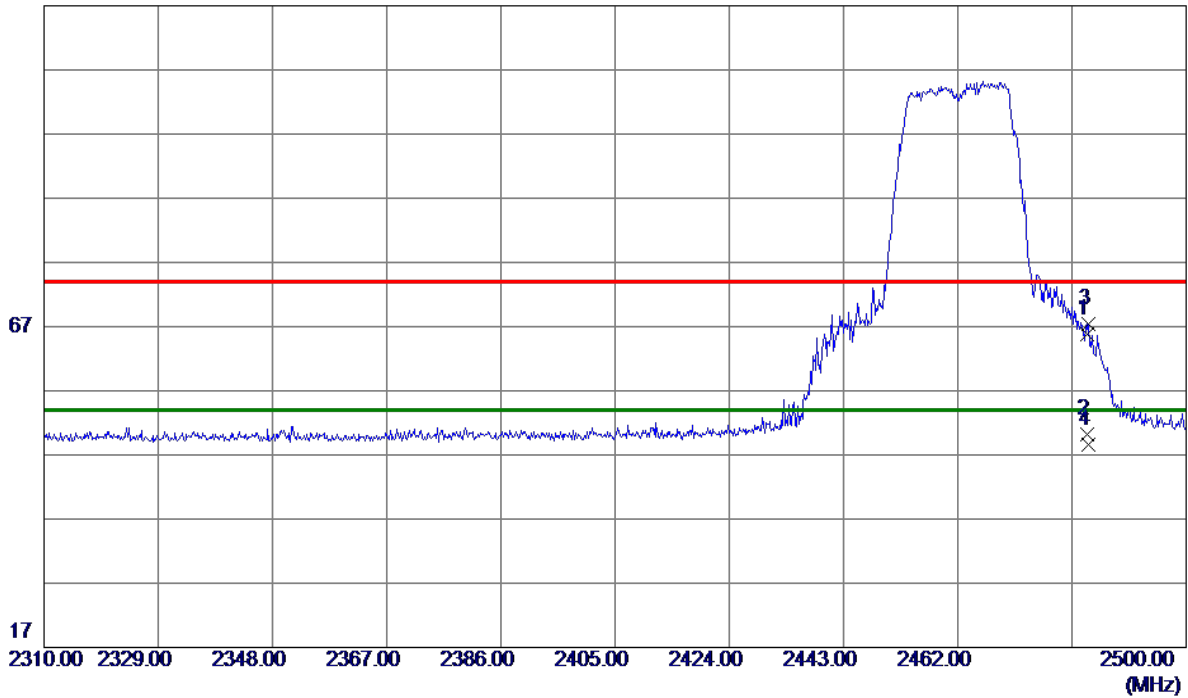
REMARKS:

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

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

Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Horizontal
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117 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2483.5000	59.26	6.52	65.78	74.00	-8.22	Peak	
2 *	2483.5000	43.65	6.52	50.17	54.00	-3.83	AVG	
3	2483.8500	60.82	6.53	67.35	74.00	-6.65	Peak	
4	2483.8500	42.08	6.53	48.61	54.00	-5.39	AVG	

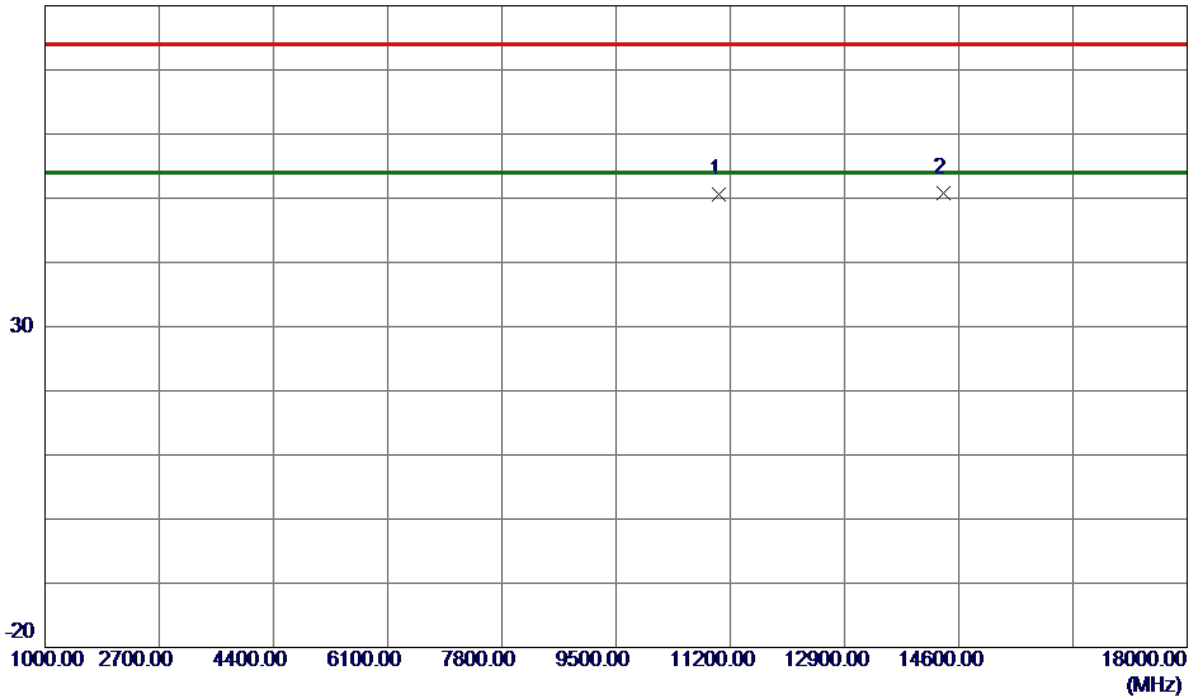
REMARKS:

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

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

Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Horizontal
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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	11031.7000	40.98	9.57	50.55	74.00	-23.45	Peak	
2 *	14379.8500	40.70	10.17	50.87	74.00	-23.13	Peak	

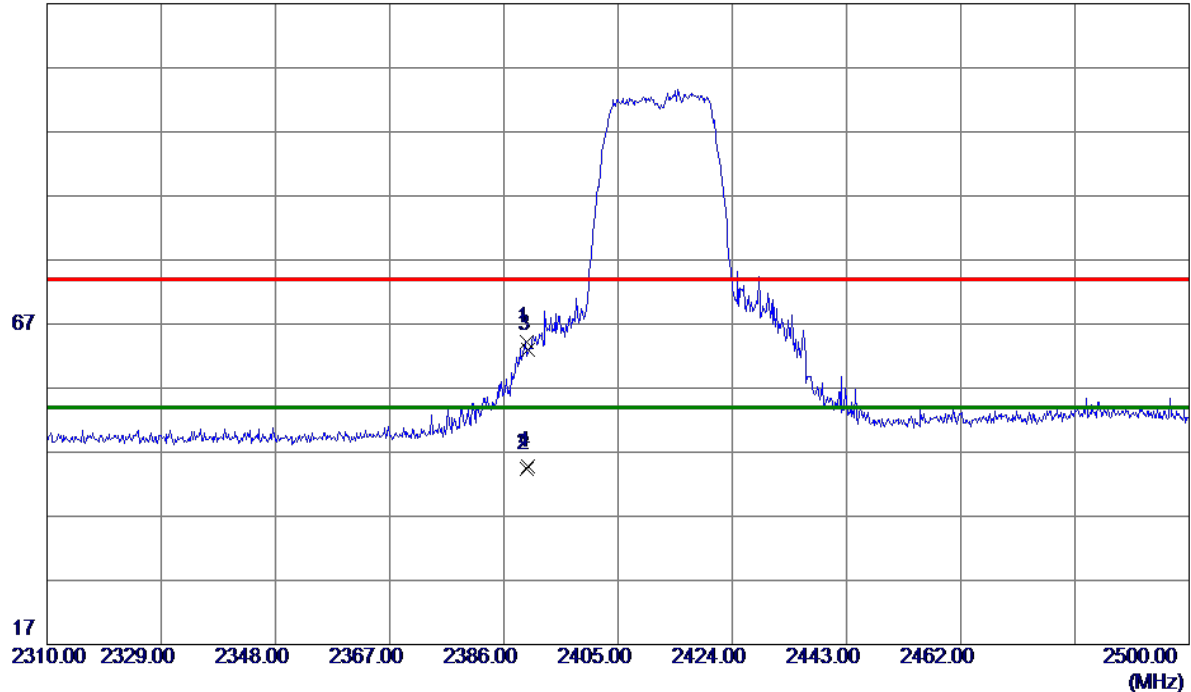
REMARKS:

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

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

Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	Vertical
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117 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2389.7050	57.96	6.15	64.11	74.00	-9.89	Peak	
2	2389.7050	38.21	6.15	44.36	54.00	-9.64	AVG	
3	2390.0000	56.79	6.15	62.94	74.00	-11.06	Peak	
4 *	2390.0000	38.67	6.15	44.82	54.00	-9.18	AVG	

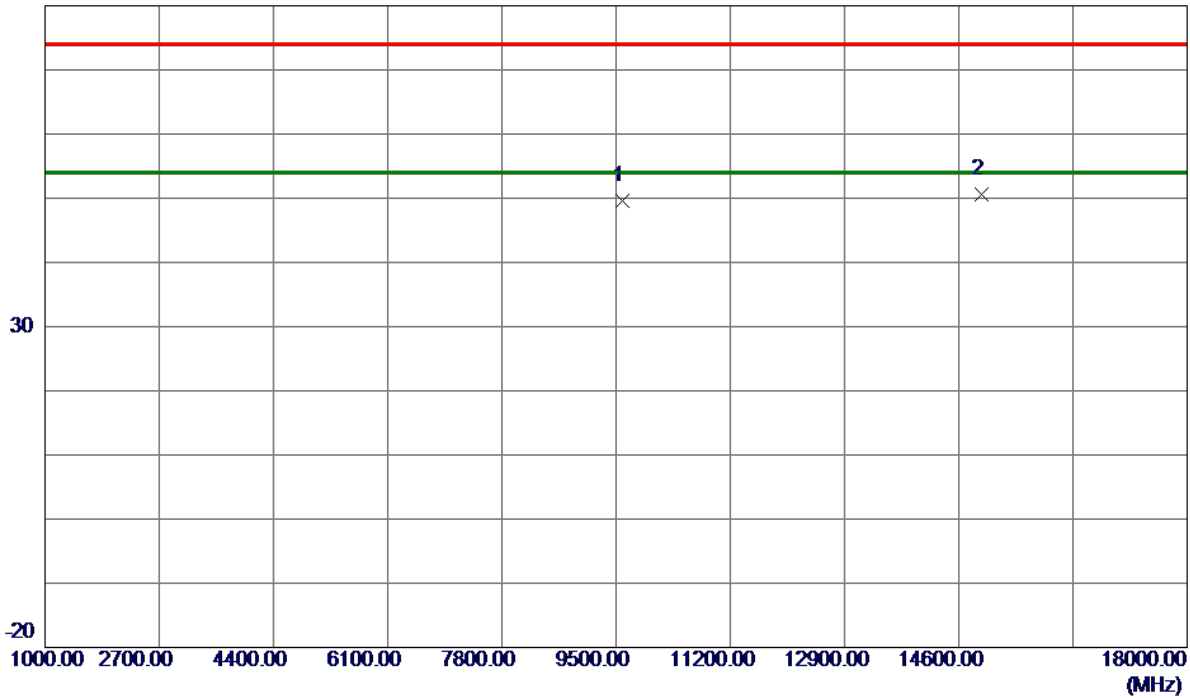
REMARKS:

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

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

Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	Vertical
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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	9585.8500	40.55	9.01	49.56	74.00	-24.44	Peak	
2 *	14944.2500	41.27	9.40	50.67	74.00	-23.33	Peak	

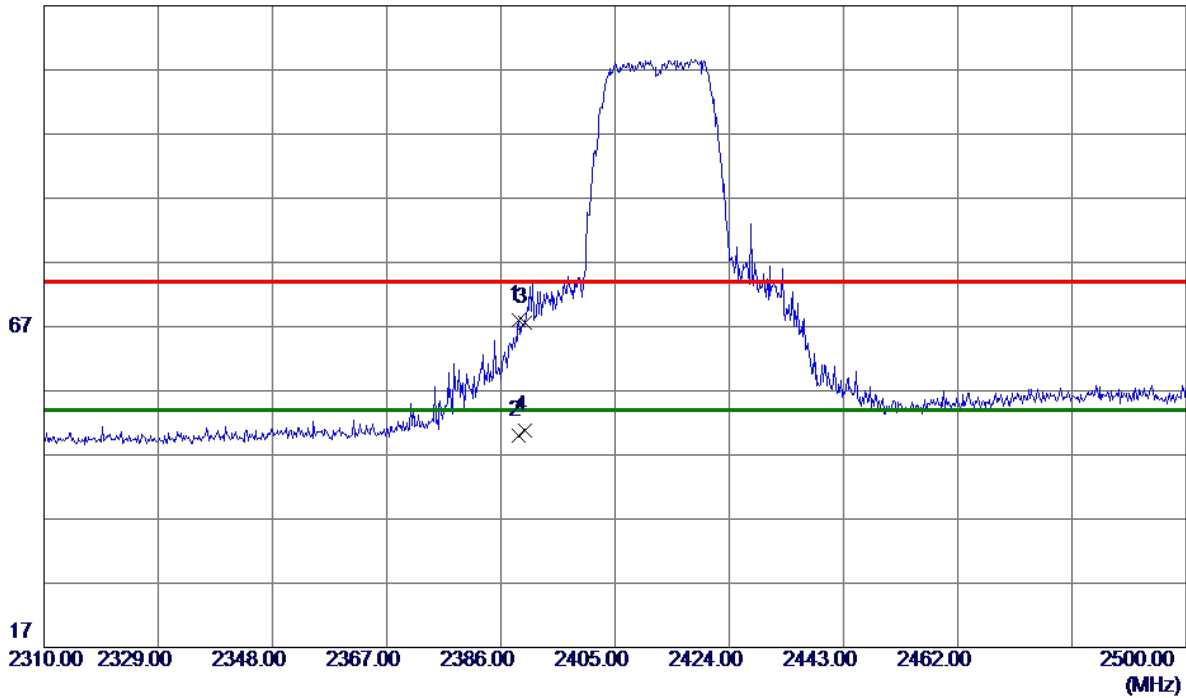
REMARKS:

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

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

Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	Horizontal
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117 dBuV/m



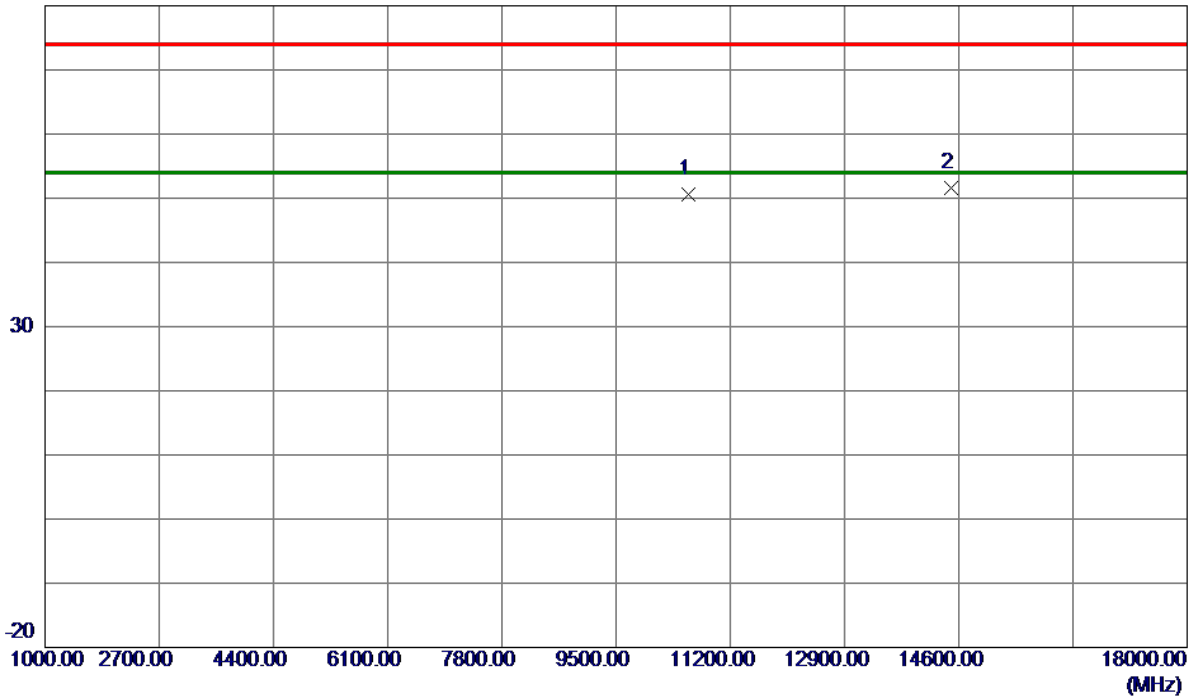
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2389.0400	61.78	6.15	67.93	74.00	-6.07	Peak	
2	2389.0400	43.81	6.15	49.96	54.00	-4.04	AVG	
3	2390.0000	61.53	6.15	67.68	74.00	-6.32	Peak	
4 *	2390.0000	44.67	6.15	50.82	54.00	-3.18	AVG	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	Horizontal
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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	10578.6500	41.24	9.43	50.67	74.00	-23.33	Peak	
2 *	14486.9500	41.32	10.29	51.61	74.00	-22.39	Peak	

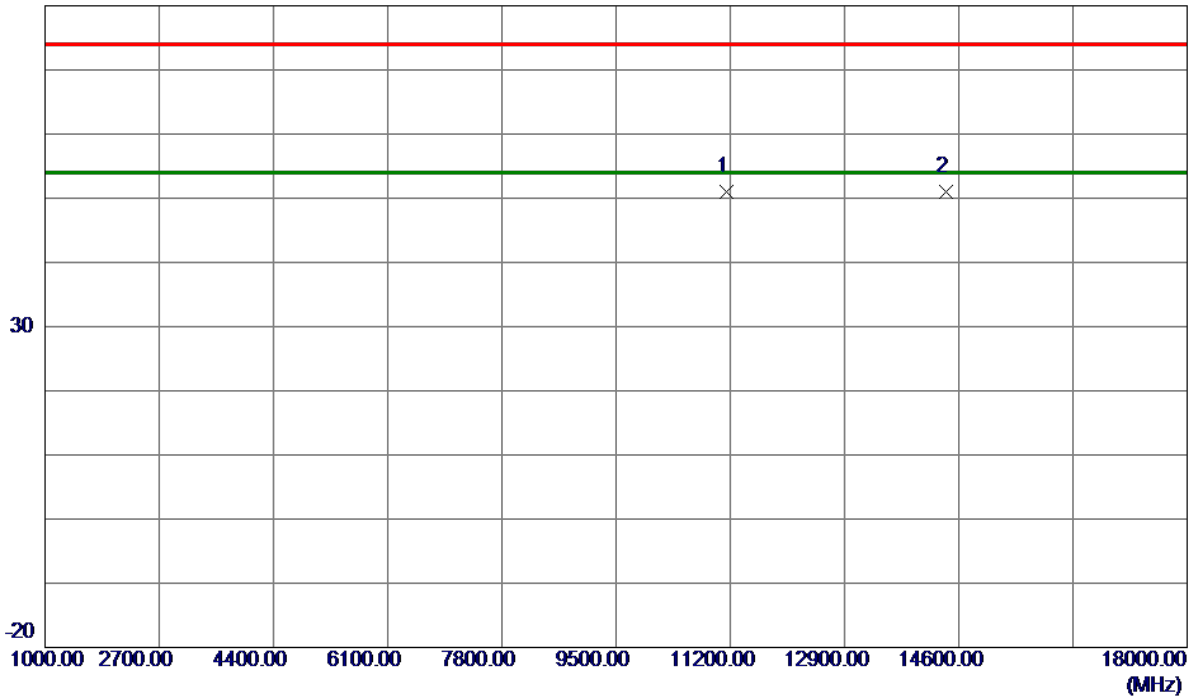
REMARKS:

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

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

Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Vertical
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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	11140.5000	41.35	9.62	50.97	74.00	-23.03	Peak	
2 *	14401.9500	40.84	10.19	51.03	74.00	-22.97	Peak	

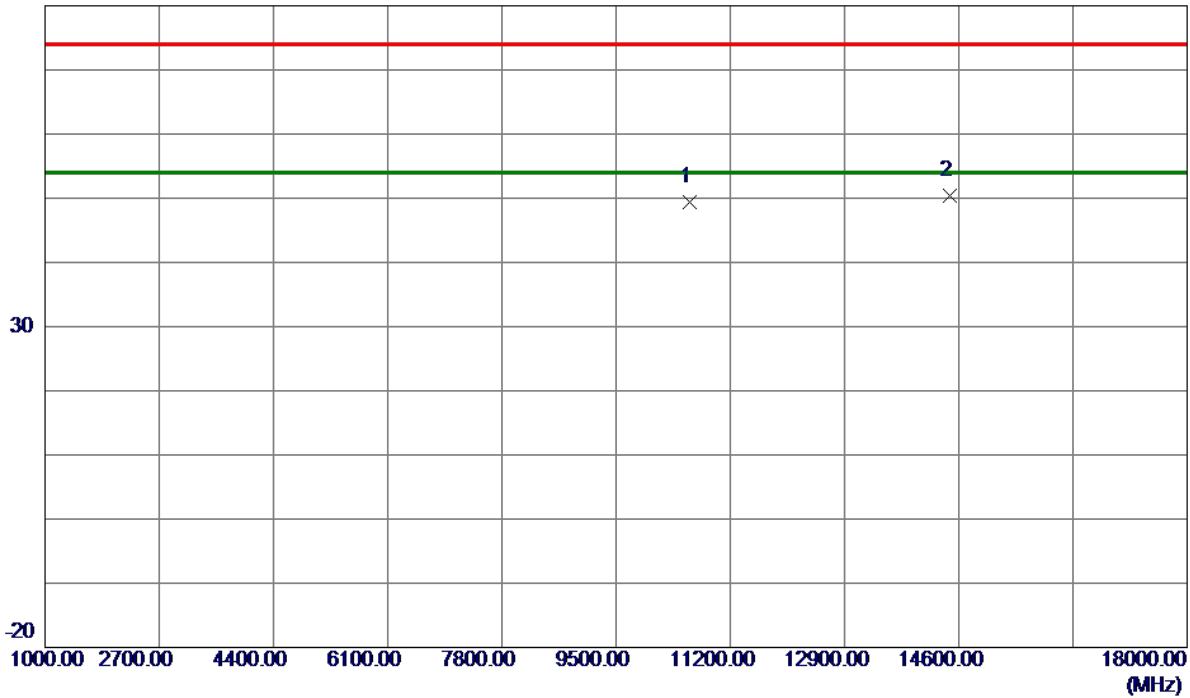
REMARKS:

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

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

Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Horizontal
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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	10592.2500	39.91	9.44	49.35	74.00	-24.65	Peak	
2 *	14470.8000	40.20	10.27	50.47	74.00	-23.53	Peak	

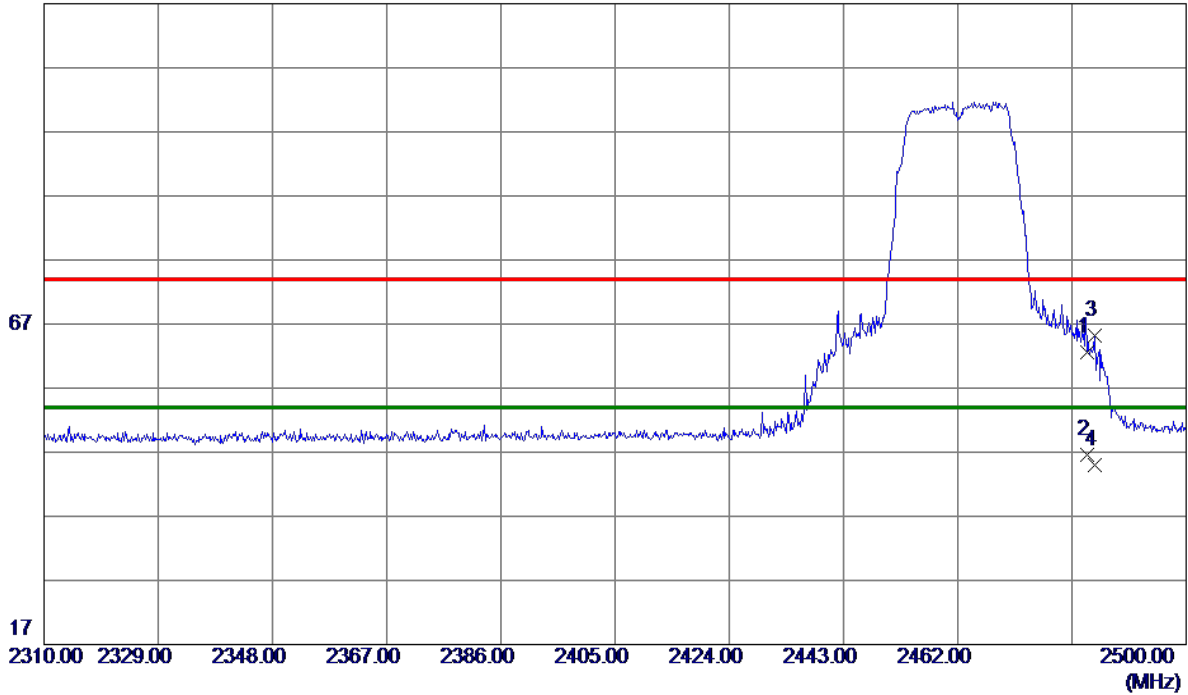
REMARKS:

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

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

Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Vertical
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117 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2483.5000	56.15	6.52	62.67	74.00	-11.33	Peak	
2 *	2483.5000	40.01	6.52	46.53	54.00	-7.47	AVG	
3	2484.8000	58.67	6.53	65.20	74.00	-8.80	Peak	
4	2484.8000	38.40	6.53	44.93	54.00	-9.07	AVG	

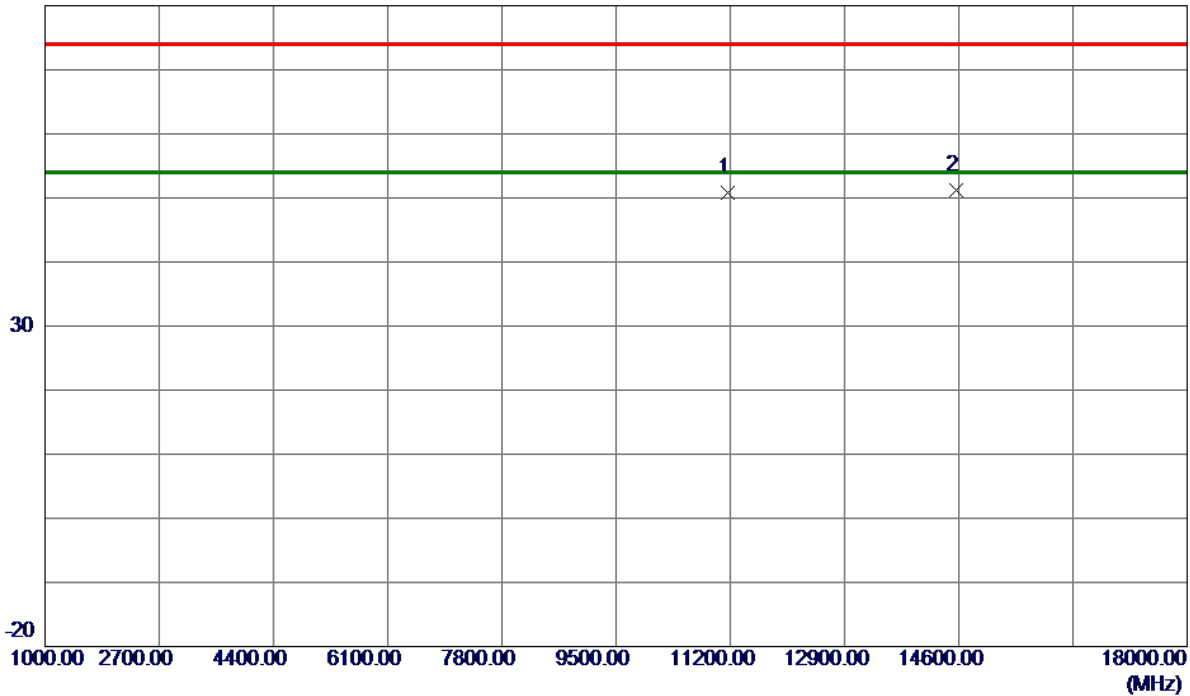
REMARKS:

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

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

Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Vertical
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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	11155.8000	41.19	9.63	50.82	74.00	-23.18	Peak	
2 *	14559.2000	41.01	10.18	51.19	74.00	-22.81	Peak	

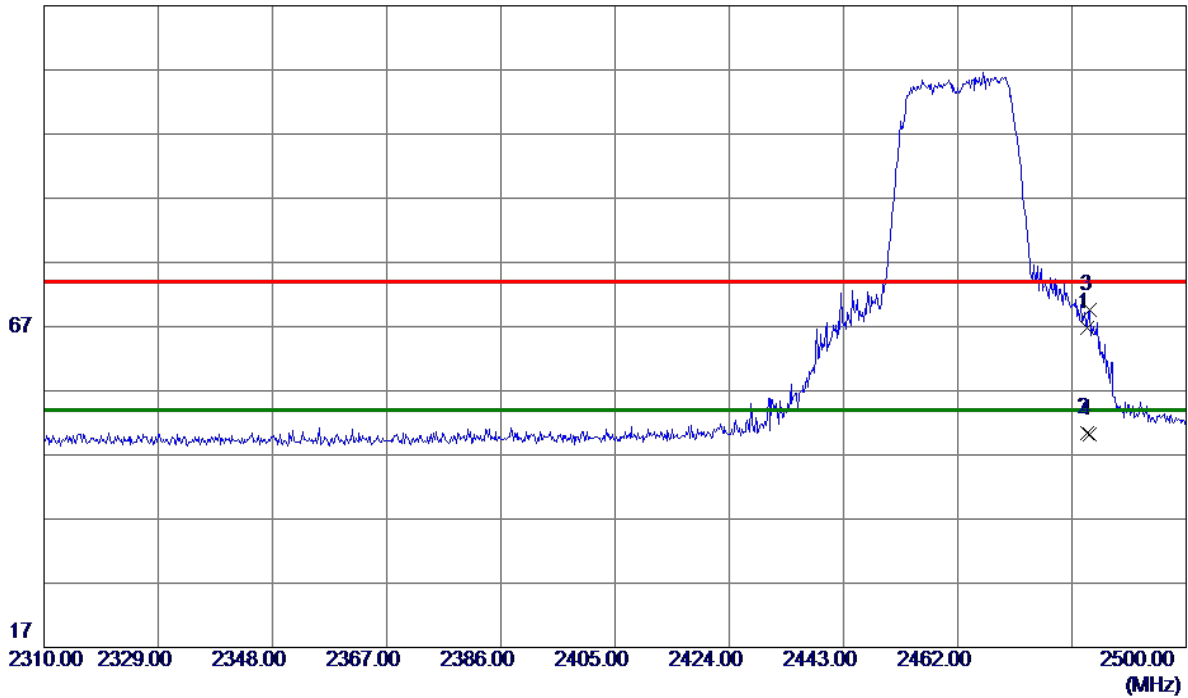
REMARKS:

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

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

Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Horizontal
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117 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2483.5000	60.25	6.52	66.77	74.00	-7.23	Peak	
2 *	2483.5000	43.84	6.52	50.36	54.00	-3.64	AVG	
3	2484.0400	62.99	6.53	69.52	74.00	-4.48	Peak	
4	2484.0400	43.74	6.53	50.27	54.00	-3.73	AVG	

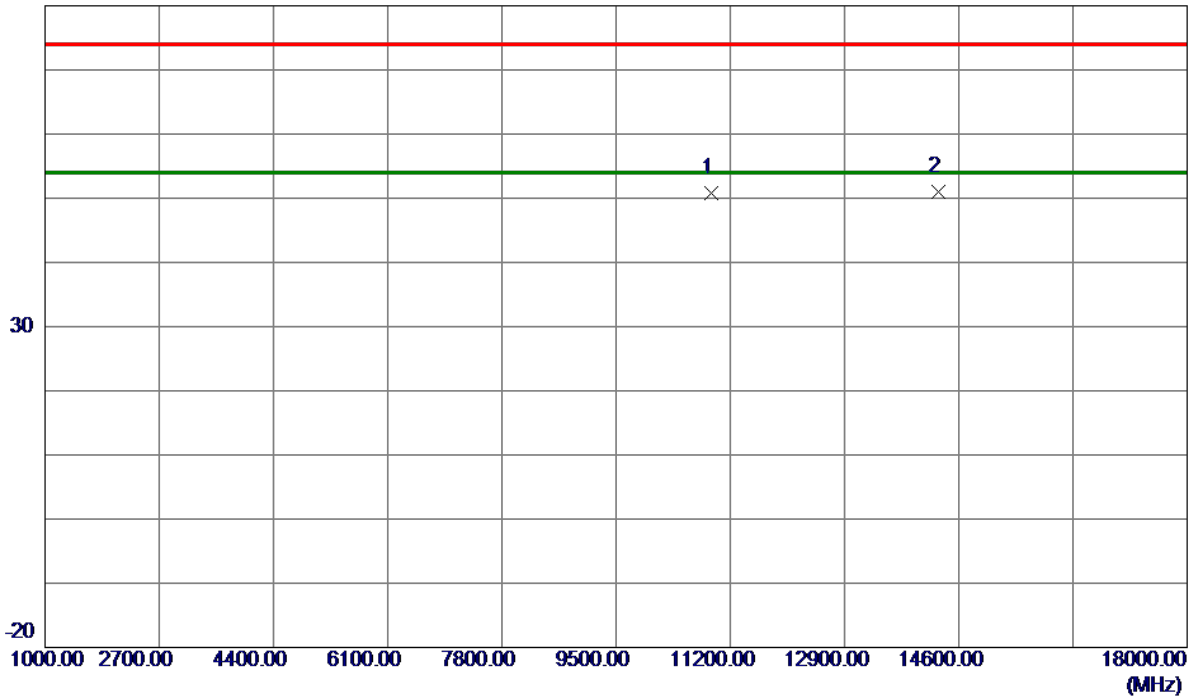
REMARKS:

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

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

Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Horizontal
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80 dBuV/m



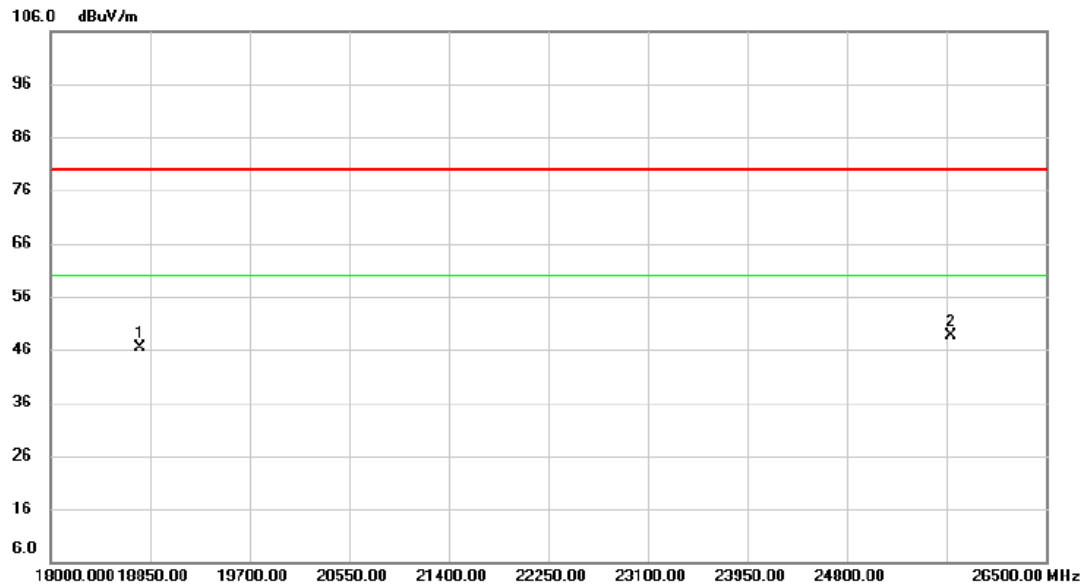
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10917.8000	41.23	9.54	50.77	74.00	-23.23	Peak	
2 *	14290.6000	40.89	10.07	50.96	74.00	-23.04	Peak	

REMARKS:

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

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

Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Vertical
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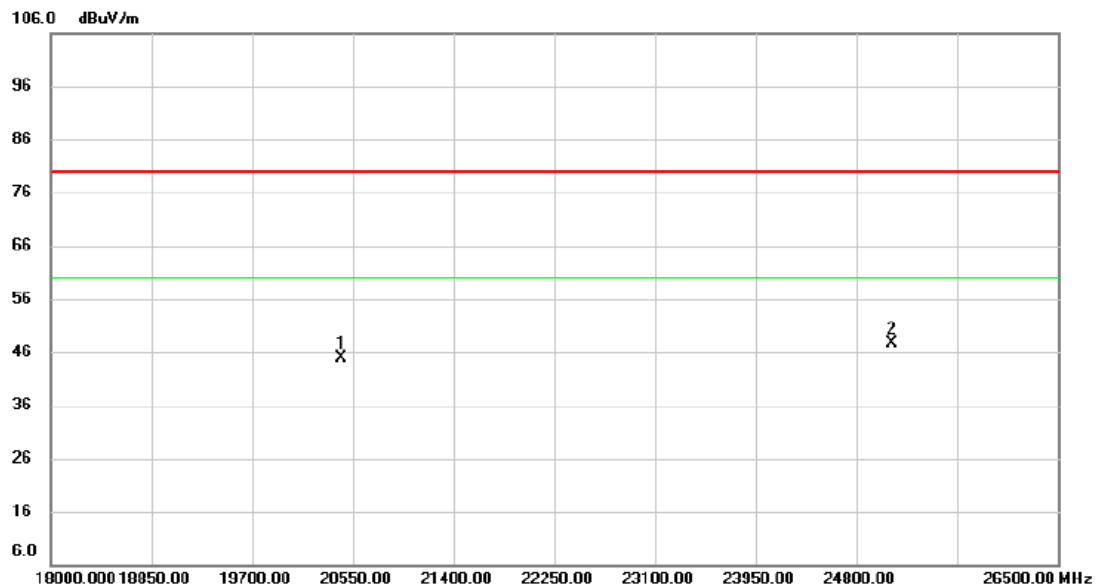
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1		18763.300	54.83	-8.51	46.32	80.00	-33.68	peak	
2	*	25695.050	49.84	-1.20	48.64	80.00	-31.36	peak	

REMARKS:

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

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

Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Horizontal
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV		dBuV/m	dBuV/m	dB		
1		20457.350	53.12	-8.23	44.89	80.00	-35.11	peak	
2	*	25099.625	49.67	-2.08	47.59	80.00	-32.41	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)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	7.072	11.654	0.5	Complies
06	2437	8.067	11.563	0.5	Complies
11	2462	7.556	11.369	0.5	Complies

CH01



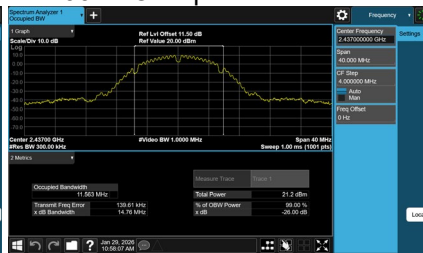
CH06
6 dB Bandwidth



CH11



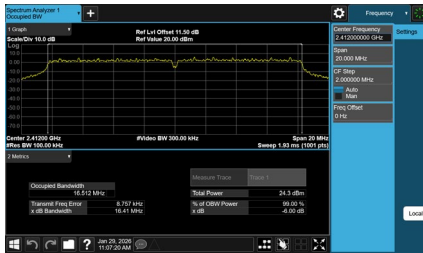
99 % Occupied Bandwidth



Test Mode	TX G Mode
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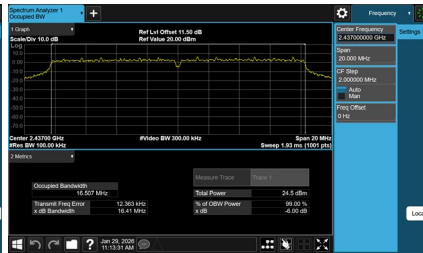
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	16.410	17.146	0.5	Complies
06	2437	16.410	17.165	0.5	Complies
11	2462	16.440	17.155	0.5	Complies

CH01

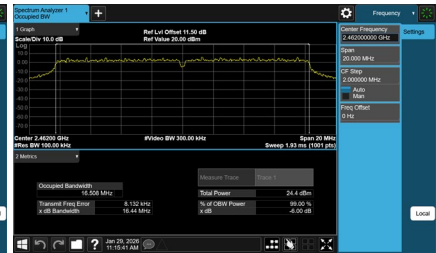


CH06

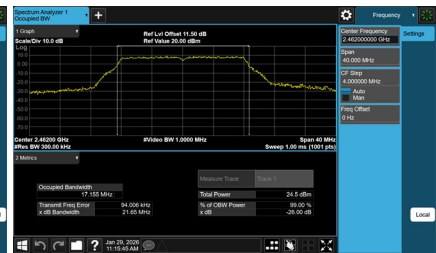
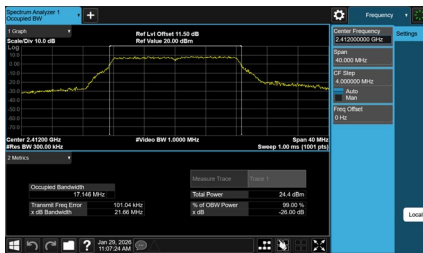
6 dB Bandwidth



CH11



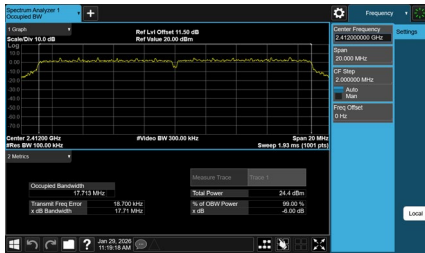
99 % Occupied Bandwidth



Test Mode	TX N(HT20) Mode
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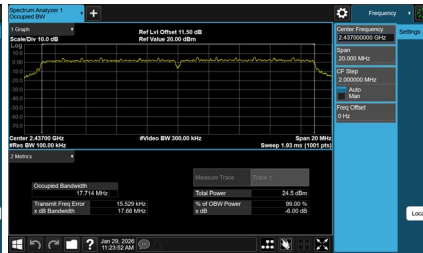
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	17.710	18.205	0.5	Complies
06	2437	17.680	18.240	0.5	Complies
11	2462	17.640	18.171	0.5	Complies

CH01

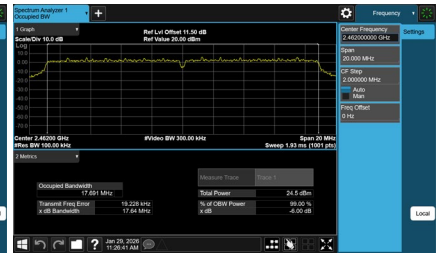


CH06

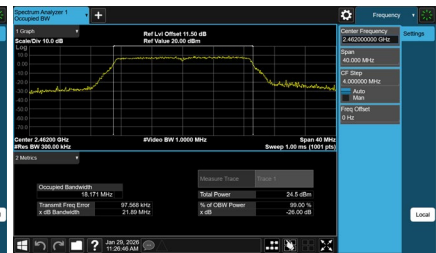
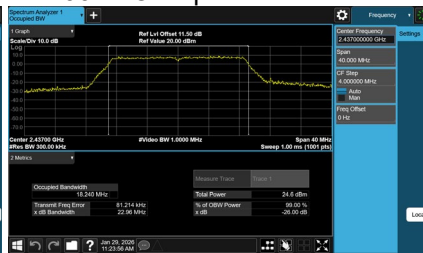
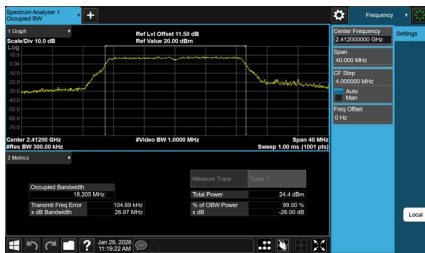
6 dB Bandwidth



CH11



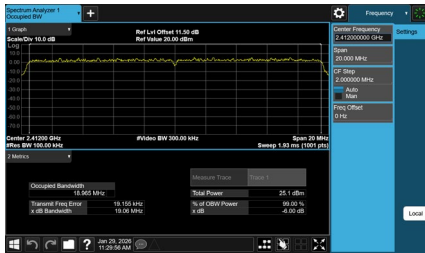
99 % Occupied Bandwidth



Test Mode	TX AX(HE20) Mode
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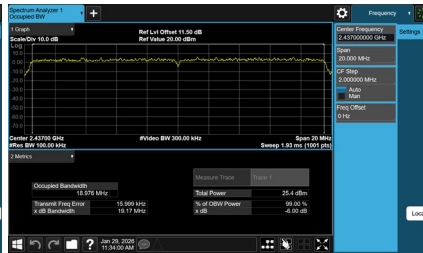
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	19.060	19.148	0.5	Complies
06	2437	19.170	19.199	0.5	Complies
11	2462	19.060	19.143	0.5	Complies

CH01

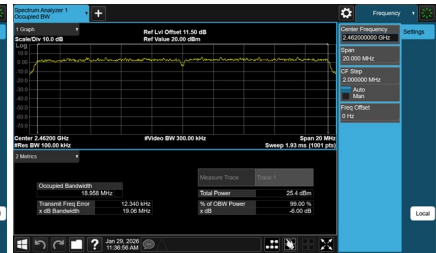


CH06

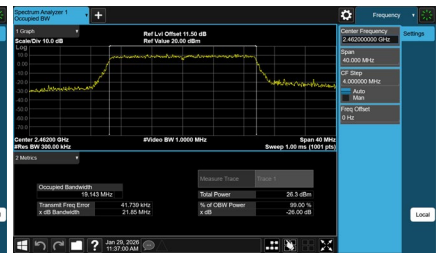
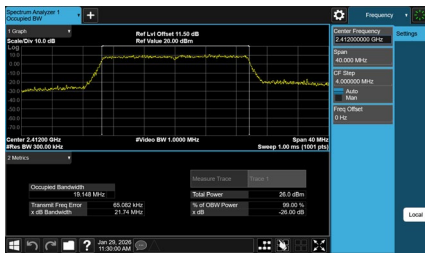
6 dB Bandwidth



CH11



99 % Occupied Bandwidth



APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	TX B Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	16.83	0.00	16.83	30.00	1.0000	Complies
06	2437	17.16	0.00	17.16	30.00	1.0000	Complies
11	2462	16.99	0.00	16.99	30.00	1.0000	Complies

Test Mode	TX G Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.51	0.44	14.95	30.00	1.0000	Complies
06	2437	16.85	0.44	17.29	30.00	1.0000	Complies
11	2462	14.61	0.44	15.05	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.45	0.47	14.92	30.00	1.0000	Complies
06	2437	16.91	0.47	17.38	30.00	1.0000	Complies
11	2462	11.89	0.47	12.36	30.00	1.0000	Complies

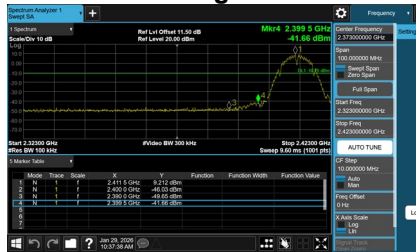
Test Mode	TX AX(HE20) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.65	0.59	15.24	30.00	1.0000	Complies
06	2437	17.01	0.59	17.60	30.00	1.0000	Complies
11	2462	12.89	0.59	13.48	30.00	1.0000	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

Test Mode TX B Mode_Ant. 1

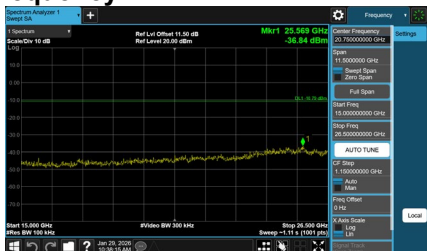
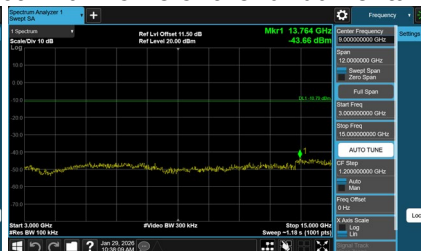
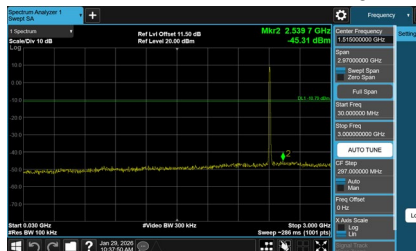
Bandedge-CH01



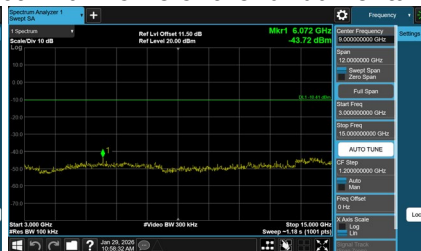
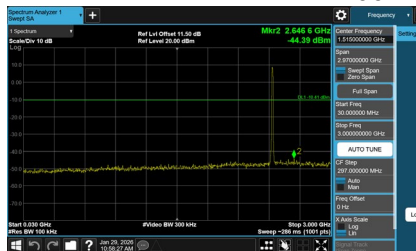
Bandedge-CH11



CH01 – 10th Harmonic of the fundamental frequency



CH06 – 10th Harmonic of the fundamental frequency



CH11 – 10th Harmonic of the fundamental frequency

