FCC Radio Test Report

FCC ID: 2BH7FXGB430VPRO

This report concerns: Original Grant

Project No.	:	2504G008
Equipment	:	BE7200 Dual-Band Wi-Fi 7 XGS-PON Router
Brand Name	:	tp-link
Test Model	:	XGB430v Pro
Series Model	:	N/A
Applicant	:	TP-Link Systems Inc.
Address	:	10 Mauchly, Irvine, CA 92618
Manufacturer	:	TP-Link Systems Inc.
Address	:	10 Mauchly, Irvine, CA 92618
Date of Receipt	:	Apr. 10, 2025
Date of Test	:	Apr. 11, 2025 ~ Jun. 05, 2025
Issued Date	:	Jun. 18, 2025
Report Version	:	R00
Test Sample	:	Engineering Sample No.: DG20250410243 for Radiated and AC Power Line Conducted Emissions, DG20250410244 for Others.
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.(Dongguan).

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

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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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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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2504G008	R00	Original Report.	Jun. 18, 2025	Valid

1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:
ANSI C63.10-2013
The following reference test guidance is not within the scope of accreditation of A2LA:
KDB 558074 D01 15.247 Meas Guidance v05r02
KDB 662911 D01 Multiple Transmitter Output v02r01

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:
For **Radiated Emissions-30MHz to 1000MHz&Above 18GHz items**: Room 102 & 702, Building A3, No.9, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.
For **other items**: No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.
BTL's Registration Number for FCC: 747969
BTL's Designation Number for FCC: CN1377

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 95.45% 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	2.88

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	*U*,(dB)
DG-CB03	CISPR	9kHz ~ 30MHz	2.36

Test Site	Method	Measurement Frequency Range	Ant. H / V	*U*,(dB)
DG-CB18 (3m)	CISPR	30MHz ~ 200MHz	V	4.40
		30MHz ~ 200MHz	H	3.10
		200MHz ~ 1,000MHz	V	5.20
		200MHz ~ 1,000MHz	H	4.68

Test Site	Method	Measurement Frequency Range	*U*,(dB)
DG-CB03 (3m)	CISPR	1GHz ~ 6GHz	4.08
		6GHz ~ 18GHz	4.62

Test Site	Method	Measurement Frequency Range	*U*,(dB)
DG-CB18 (1m)	CISPR	18 ~ 26.5 GHz	3.56

C. Other Measurement:

Test Item	Uncertainty
Bandwidth	0.90 %
Maximum Output Power	1.3 dB
Conducted Spurious Emission	1.9 dB
Power Spectral Density	1.4 dB
Temperature	0.8 °C
Humidity	2.2 %

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	Test Date
AC Power Line Conducted Emissions	22°C	55%	AC 120V/60Hz	Hayden Chen	Apr. 18, 2025
Radiated Emissions -9KHz to 30 MHz	25°C	63%	AC 120V/60Hz	Hayden Chen	May 07, 2025
Radiated Emissions -30MHz to 1000MHz	23°C	50%	AC 120V/60Hz	Allen Tong	Apr. 15, 2025
Radiated Emissions -Above 1000MHz	23°C	42-50%	AC 120V/60Hz	Allen Tong Calvin Wen	Apr. 15, 2025- Apr. 21, 2025
Bandwidth	24°C	48%	AC 120V/60Hz	Arvin Tong	Apr. 23, 2025
Maximum Output Power	24-25°C	49-60%	AC 120V/60Hz	Alex Yin	Apr. 18, 2025- May 21, 2025
Conducted Spurious Emissions	24°C	48%	AC 120V/60Hz	Arvin Tong	Apr. 23, 2025
	25°C	50%	AC 120V/60Hz	Newnar Wang	May 21, 2025
Power Spectral Density	24°C	48%	AC 120V/60Hz	Arvin Tong	Apr. 23, 2025

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	BE7200 Dual-Band Wi-Fi 7 XGS-PON Router
Brand Name	tp-link
Test Model	XGB430v Pro
Series Model	N/A
Model Difference(s)	N/A
Software Version	V1.0
Hardware Version	V1.0
Power Source	DC voltage supplied from AC adapter. Model: GQ24-120250-AU
Power Rating	I/P: 100-240V~50/60Hz 1.0A Max O/P: 12.0V⎓2.5A
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g/n: OFDM IEEE 802.11ax/be: 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 600 Mbps IEEE 802.11ax: up to 1147.2 Mbps IEEE 802.11be: up to 1376 Mbps
Maximum Output Power	IEEE 802.11n(HT20): 27.61 dBm (0.5768 W)

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Channel List:

CH01 - CH11 for IEEE 802.11b, IEEE 802.11g, IEEE 802.11n(HT20), IEEE 802.11ax(HE20), IEEE 802.11be(EHT20) CH03 - CH09 for IEEE 802.11n(HT40), IEEE 802.11ax(HE40), IEEE 802.11be(EHT40)							
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.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	TP-Link Systems Inc.	N/A	Dipole	ipex	3.26
2	TP-Link Systems Inc.	N/A	Dipole	ipex	2.03
3	TP-Link Systems Inc.	N/A	Dipole	ipex	2.55
4	TP-Link Systems Inc.	N/A	Dipole	ipex	4.06

Note:

1) This EUT supports CDD, and all antenna gains are not equal, For power measurements, Directional gain(each angle)=$10\log[(10^{G1/10}+10^{G2/10}+...10^{GN/10})/N]$dBi= $10\log[(10^{-1.34/10}+10^{-0.01/10}+10^{1.41/10}+10^{4.00/10})/4]=1.48$.
For power spectral density measurements, Directional gain(each angle)= $10\log[(10^{G1/20}+10^{G2/20}+...10^{GN/20})^2/N]$dBi=$10\log[(10^{2.58/20}+10^{1.57/20}+10^{0.97/20}+10^{-0.10/20})^2/4]=7.33$.
Then, the power spectral density limit is 8-(7.33-6)=6.67.
2) Beamforming Gain=6 dB.

4. Table for Antenna Configuration:

Operating Mode / TX Mode	4TX
IEEE 802.11b	V(Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11g	V(Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11n(HT20)	V(Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11n(HT40)	V(Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE20)	V(Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax(HE40)	V(Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11be(EHT20)	V(Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11be(EHT40)	V(Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)

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 N(HT40) Mode Channel 03/06/09
Mode 5	TX BE(EHT20) Mode Channel 01/06/11
Mode 6	TX BE(EHT40) Mode Channel 03/06/09
Mode 7	TX N(HT20) Mode Channel 06
Mode 8	TX B Mode Channel 01/02/06/10/11
Mode 9	TX G Mode Channel 01/02/06/10/11
Mode 10	TX N(HT20) Mode Channel 01/02/06/10/11
Mode 11	TX N(HT40) Mode Channel 03/04/06/08/09
Mode 12	TX BE(EHT20) Mode Channel 01/02/06/10/11
Mode 13	TX BE(EHT40) Mode Channel 03/04/06/08/09

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

AC power line conducted emissions test	
Final Test Mode	Description
Mode 7	TX N(HT20) Mode Channel 06

Radiated emissions test - Below 1GHz & Above 18 GHz	
Final Test Mode	Description
Mode 7	TX N(HT20) Mode Channel 06

Radiated emissions test - 1 GHz - 18 GHz	
Mode 8	TX B Mode Channel 01/02/06/10/11
Mode 9	TX G Mode Channel 01/02/06/10/11
Mode 10	TX N(HT20) Mode Channel 01/02/06/10/11
Mode 11	TX N(HT40) Mode Channel 03/04/06/08/09
Mode 12	TX BE(EHT20) Mode Channel 01/02/06/10/11
Mode 13	TX BE(EHT40) Mode Channel 03/04/06/08/09

Conducted test	
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 N(HT40) Mode Channel 03/06/09
Mode 5	TX BE(EHT20) Mode Channel 01/06/11
Mode 6	TX BE(EHT40) Mode Channel 03/06/09

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 IEEE 802.11n(HT20) Mode Channel 06 is found to be the worst case and recorded.
(3) For radiated emission above 1 GHz test, the spurious points of 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.
(4) For radiated emission Harmonic 18-26.5GHz test, only tested the worst case and recorded.
(5) For Beamforming operation, the manufacturer automatically reduces power based on a factor calculatedas the diference between the beamforming directional gain and the CDD directional power gain. Thus,only the CDD mode was evaluated in this report.
(6) EHT20/EHT40 covers HE20/HE40, due to same modulation (in full RU). The power setting for 802.11ax HE20/HE40 are the same or lower than 802.11be EHT20/EHT40.
(7) IEEE 802.11ax mode and IEEE 802.11be mode only support full RU, so only the full RU is evaluated and measured inside report.
(8) For radiated emission above 1 GHz test, the polarization of Vertical and Horizontal are evaluated, the worst case is Vertical and recorded.

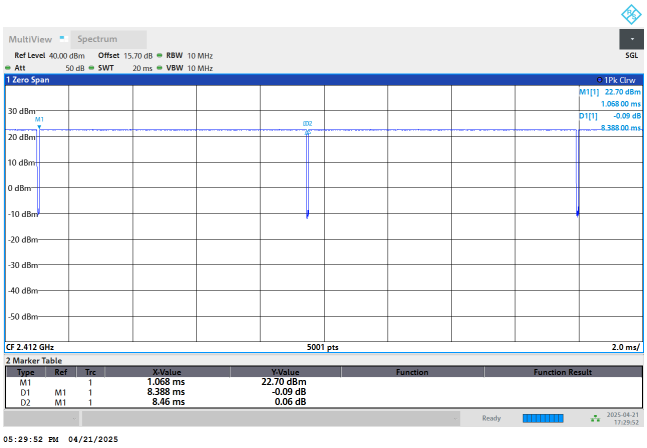
3.3 PARAMETERS OF TEST SOFTWARE

Test Software Version	QATool_20230807_external		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	17.5	18.5	16.5
IEEE 802.11g	16.5	19	16
IEEE 802.11n(HT20)	16	19	15.5
IEEE 802.11be(EHT20)	15.5	18.5	14.5
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	15.5	16.5	14.5
IEEE 802.11be(EHT40)	15	16	14.5

3.4 DUTY CYCLE

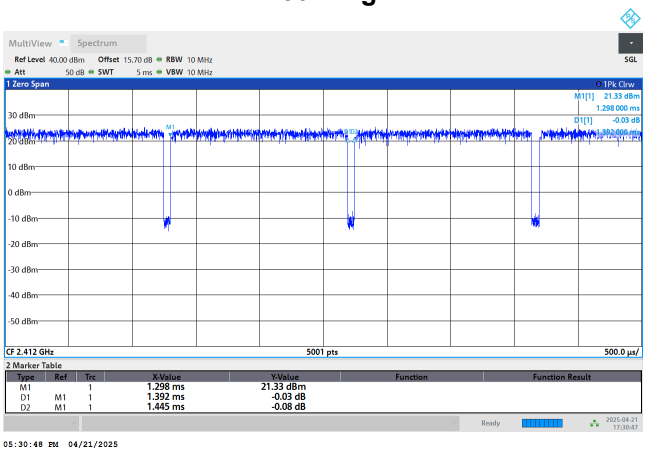
If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.
The output power = measured power + duty factor.

802.11b



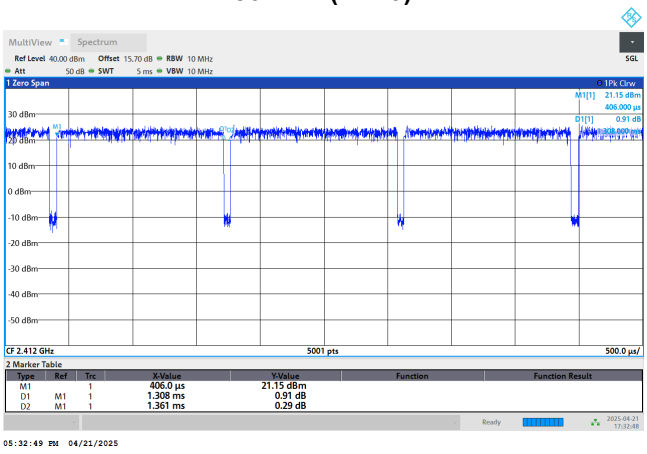
Duty cycle = 8.388 ms / 8.460 ms = 99.15%
Duty Factor = 10 log(1/Duty cycle) = 0.00 dB

802.11g



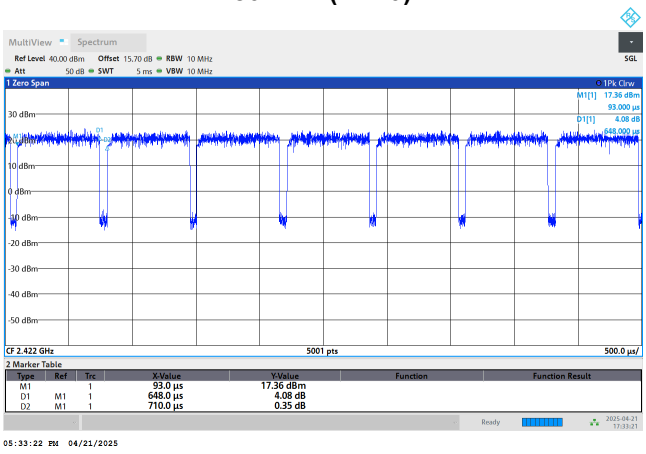
Duty cycle = 1.392 ms / 1.445 ms = 96.33%
Duty Factor = 10 log(1/Duty cycle) = 0.16 dB

802.11n(HT20)



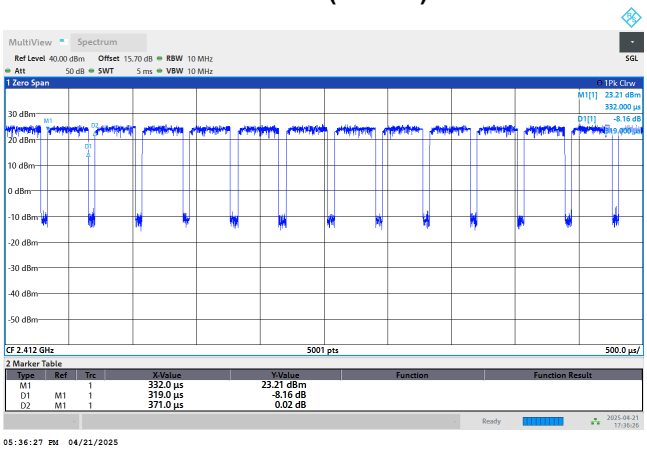
Duty cycle = 1.308 ms / 1.361 ms = 96.11%
Duty Factor = 10 log(1/Duty cycle) = 0.17 dB

802.11n(HT40)



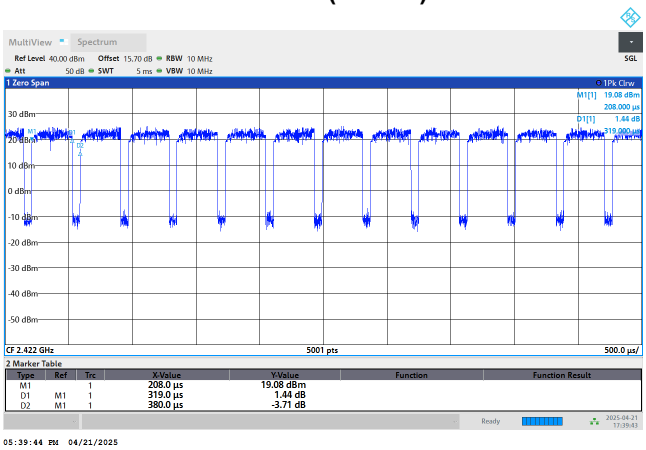
Duty cycle = 0.648 ms / 0.710 ms = 91.27%
Duty Factor = 10 log(1/Duty cycle) = 0.40 dB

802.11be(EHT20)



Duty cycle = 0.319 ms / 0.371 ms = 85.98%
Duty Factor = 10 log(1/Duty cycle) = 0.66 dB

802.11be(EHT40)



Duty cycle = 0.319 ms / 0.380 ms = 83.95%
Duty Factor = 10 log(1/Duty cycle) = 0.76 dB

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 718 Hz.

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 765 Hz.

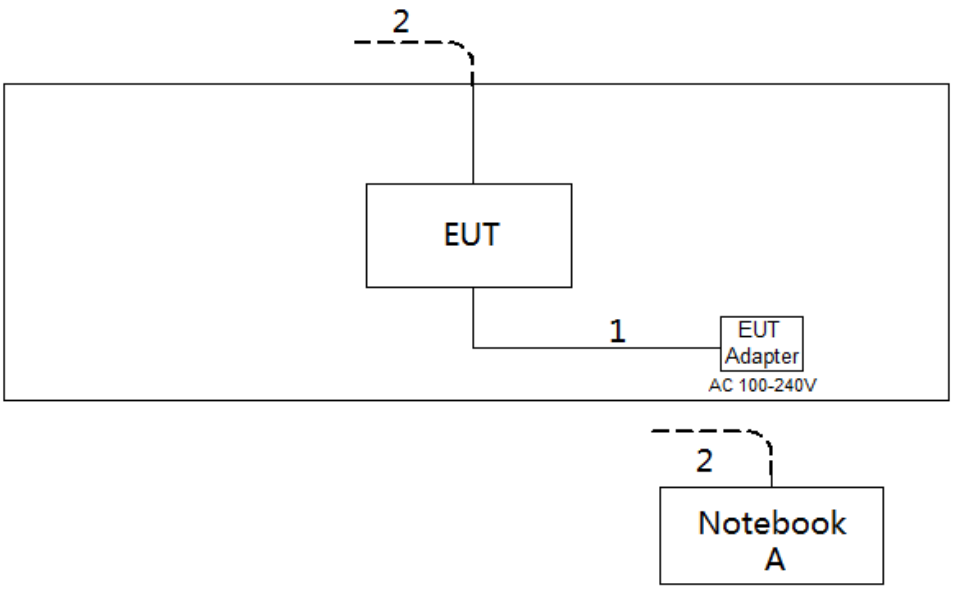
For IEEE 802.11n(HT40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1543 Hz.

For IEEE 802.11be(EHT20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3135 Hz.

For IEEE 802.11be(EHT40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3135 Hz.

(Remark: The video bandwidth of the spectrum analyzer was set to 1kHz during the test.)

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Honor	NDR-WFH	N/A

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

3.7 CUSTOMER INFORMATION DESCRIPTION

1) The antenna gain and beamforming gain are provided by the manufacturer.
2) Except for AC power line conducted emissions and radiated emissions, the results of all test items include cable losses. Part of the cable losses (0.5dB) are provided by the manufacturer, while the other parts of the cable losses are provided by the testing laboratory.

4. AC POWER LINE CONDUCTED EMISSIONS

4.1 LIMIT

Frequency of Emission (MHz)	Limit (dBμV)	
	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.
(3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)
Margin Level = Measurement Value - Limit Value

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.

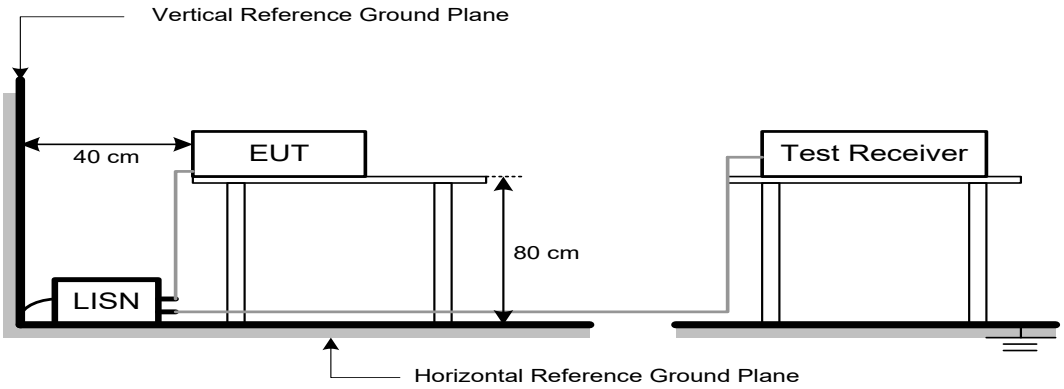
The following table is the setting of the receiver:

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 4)	63.5 (Note 4)

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)

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

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

FS_{limit}: Harmonic at 3m Peak and Average limit.

FS_{max}: Harmonic at 1m Peak and Average Maximum value.

d_{limit}: Harmonic at 3m test distance.

$d_{measure}$: Harmonic Actual test distance.

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

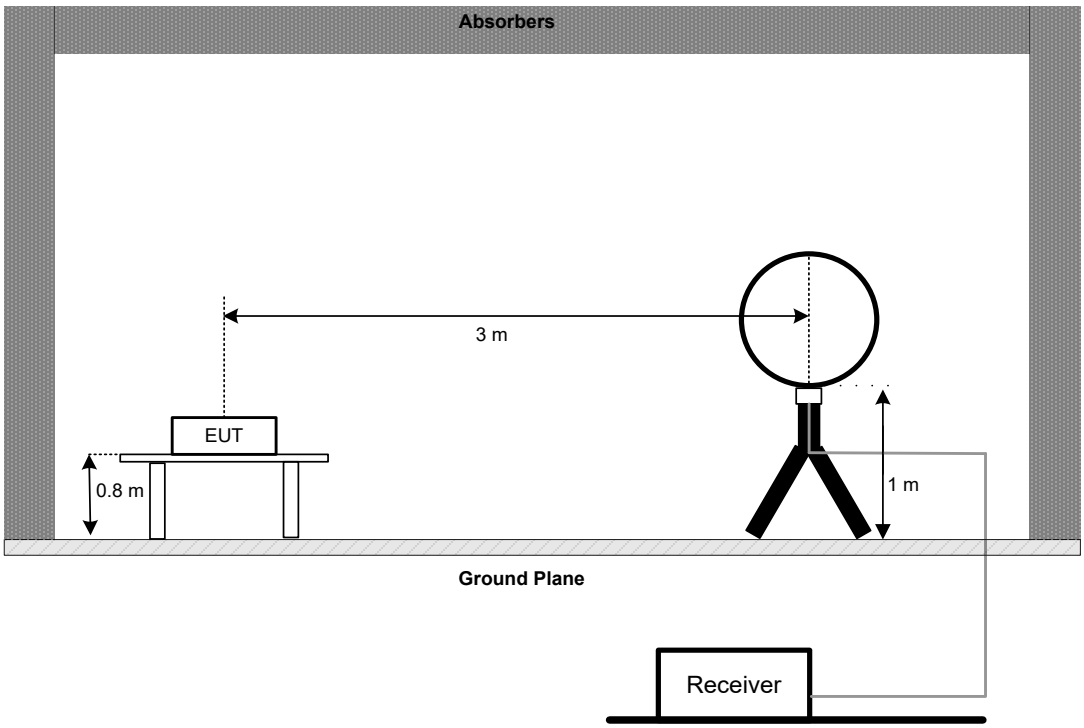
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

5.3 DEVIATION FROM TEST STANDARD

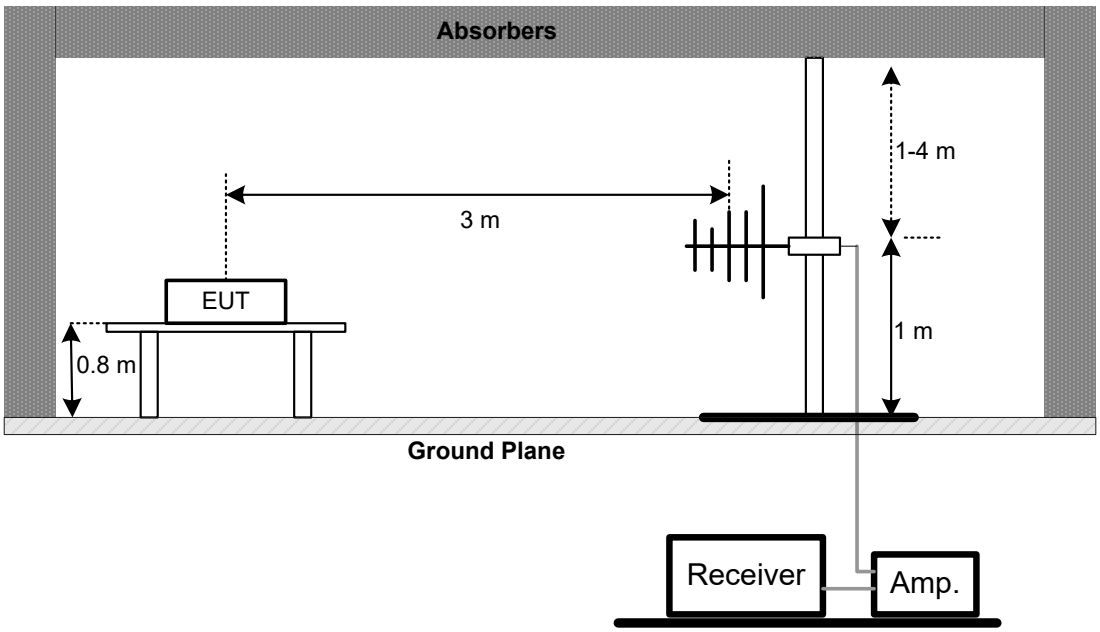
No deviation.

5.4 TEST SETUP

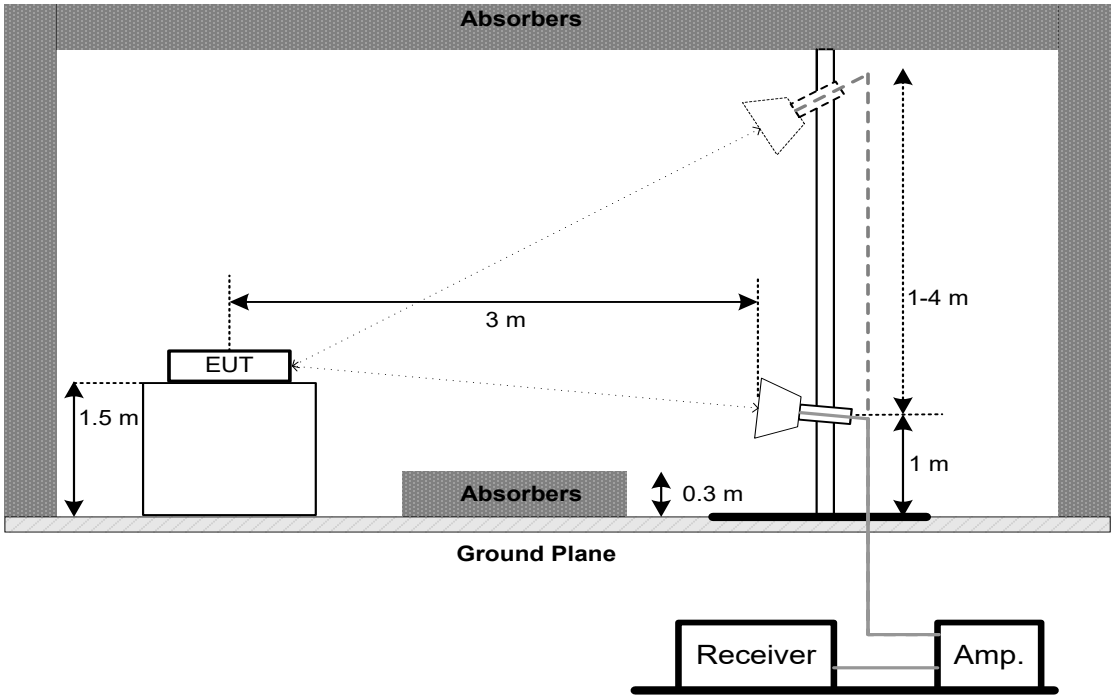
9 kHz to 30 MHz



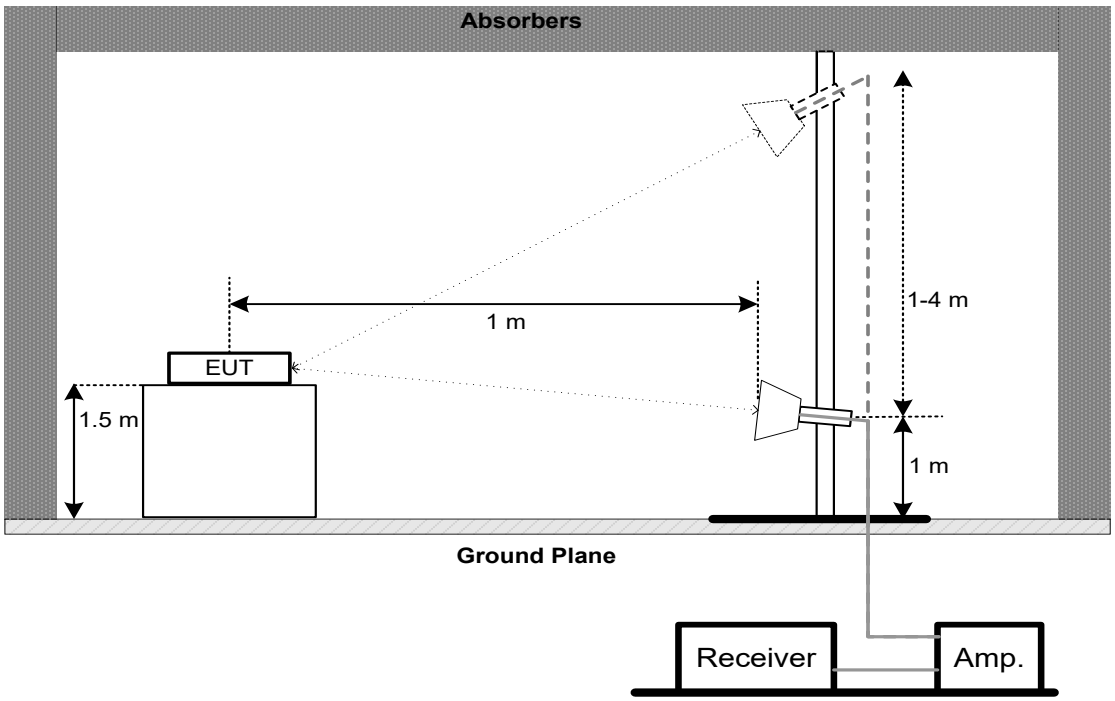
30 MHz to 1 GHz



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 (specific distance / 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

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

For 6 dB Bandwidth:

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

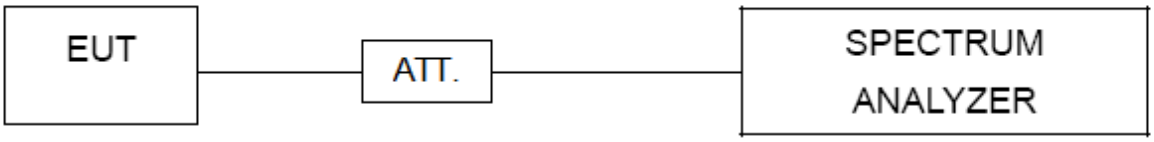
For 99% Emission Bandwidth:

Spectrum Parameters	Setting
Span	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

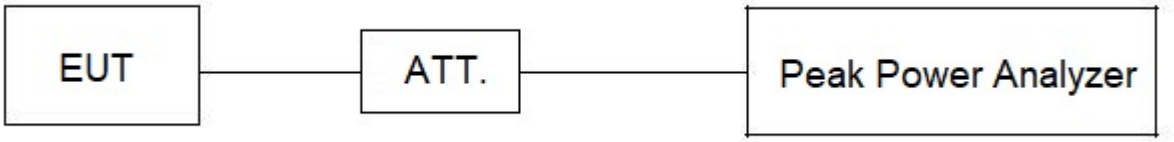
7.2 TEST PROCEDURE

a. The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.
b. The maximum conducted output power was performed in accordance with method 11.9.2.3.1 of ANSI C63.10-2013 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

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

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

For Reference Level:

Spectrum Parameters	Setting
Span	≥ 1.5 times the bandwidth.
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For Emission Level - Band edge:

Spectrum Parameters	Setting
Start Frequency	2300 MHz
Stop Frequency	2690 MHz
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

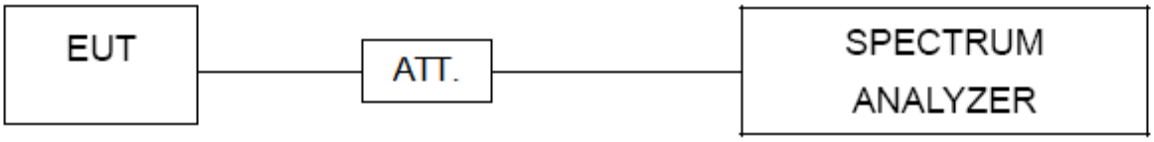
For Emission Level - Harmonic:

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

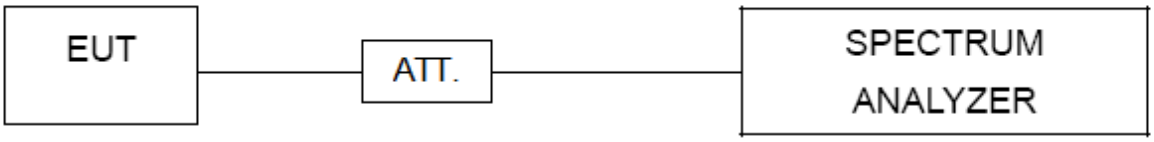
a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Span	1.5 times the DTS bandwidth
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	EMI TEST RECEIVER	R&S	ESCI	100382	Dec. 06, 2025
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Dec. 06, 2025
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M -001	9M	Nov. 11, 2025
5	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60	00025	Mar. 01, 2026
2	Receiver	Agilent	N9038A	MY52130039	Jan. 10, 2026
3	Cable	RegalWay	LMR400-NMNM-6 m	N/A	Apr. 26, 2026
4	Cable	RegalWay	LMR400-NMRANM -3.5m	N/A	Apr. 26, 2026
5	966 Chamber room	CM	9*6*6	N/A	May 16, 2025

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	1702	May 21, 2025
2	Attenuator	EMC INSTRUMENT	6806_N-50-1	/	May 21, 2025
3	Preamplifier	EMC INSTRUMENT	EMC001330	980863	Sep. 05, 2025
4	Cable	RegalWay	LMR400-NMNM-2. 5m	N/A	Jan. 07, 2026
5	Cable	RegalWay	LMR400-NMNM-7 m	N/A	Jan. 07, 2026
6	Cable	RegalWay	LMR400-NMNM-3 m	N/A	Jan. 07, 2026
7	Multi-Device Controller	ETS-Lindgren	N/A	N/A	N/A
8	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
9	MXE EMI Receiver	KEYSIGHT	N9038B	MY62210123	Oct. 29, 2025
10	966 Chamber room	ETS	RFD-100（NSA）	Q2179	Jan. 06, 2026

Radiated Emissions - 1 GHz - 18 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Multi-Device Controller	ETS-Lindgren	N/A	N/A	N/A
2	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
3	966 Chamber room	CM	9*6*6	N/A	Dec. 28, 2025
4	Cable	RegalWay	RWLP50-4.0A-SMSM-12.5M	N/A	Jul. 03, 2025
5	Cable	RegalWay	RWLP50-4.0A-NMRASM-2.5M	N/A	Jul. 03, 2025
6	Cable	RegalWay	RWLP50-4.0A-NMRASMRA-0.8M	N/A	Jul. 03, 2025
7	Receiver	Agilent	N9038A	MY52130039	Jan. 10, 2026
8	Double Ridged Guide Antenna	ETS	3115	75846	Mar. 02, 2026
9	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980888	Oct. 29, 2025
10	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
11	Filter	STI	STI15-9912	N/A	May 31, 2025

Radiated Emissions - Above 18 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Multi-Device Controller	ETS-Lindgren	N/A	N/A	N/A
2	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
3	MXA Signal Analyzer	KEYSIGHT	N9020B	MY63430227	Oct. 29, 2025
4	966 Chamber room	ETS	RFD-100（SVSWR）	Q2179	Jan. 07, 2026
5	Cable	RegalWay	RWLP50-2.6A-2.92M2.92M-2M	N/A	Jan. 07, 2026
6	Cable	RegalWay	RWLP50-2.6A-3.5M2.92MMRA-6M	N/A	Jan. 07, 2026
7	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	1227	Oct. 20, 2025
8	Preamplifier	EMC INSTRUMENT	EMC184045SE	980905	Oct. 29, 2025

Bandwidth & Conducted Spurious Emissions & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	FSV Signal & Spectrum Analyzer	R&S	FSV3044	101682	Oct. 17, 2025
2	CTA	BTL	CTA	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	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	May 31, 2025
2	Wideband power sensor	Keysight	N1923A	MY58310004	May 31, 2025
3	Isolation attenuator	Z-Link	ASMA-10-18-2W	N/A	N/A

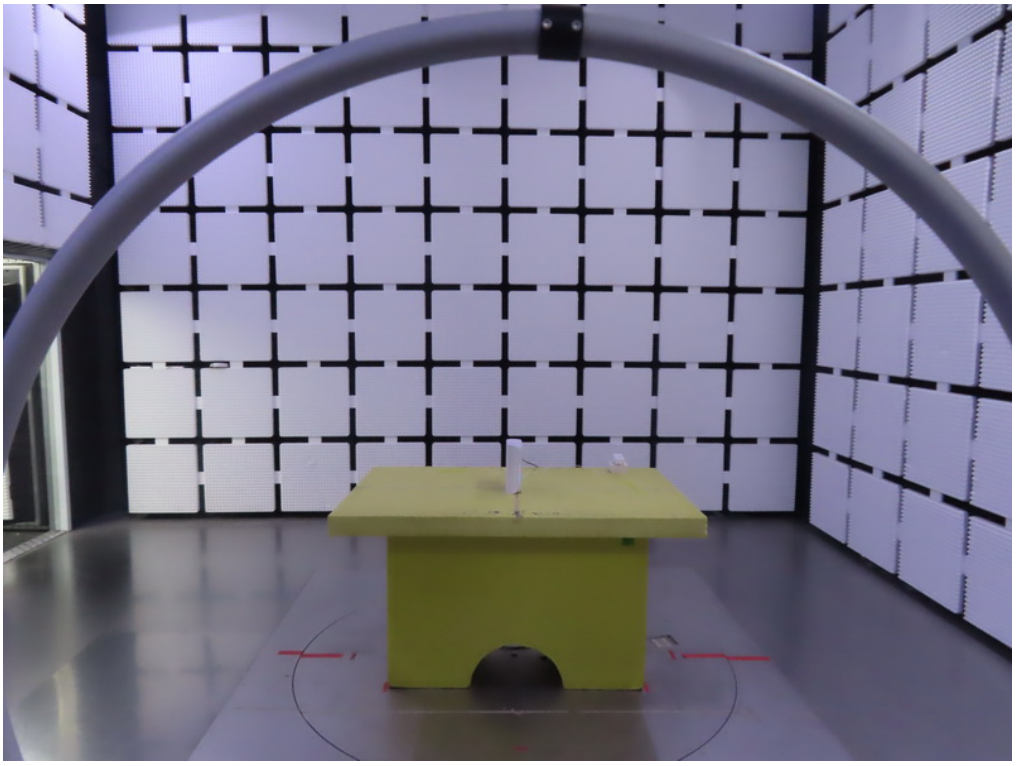
Remark: ”N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

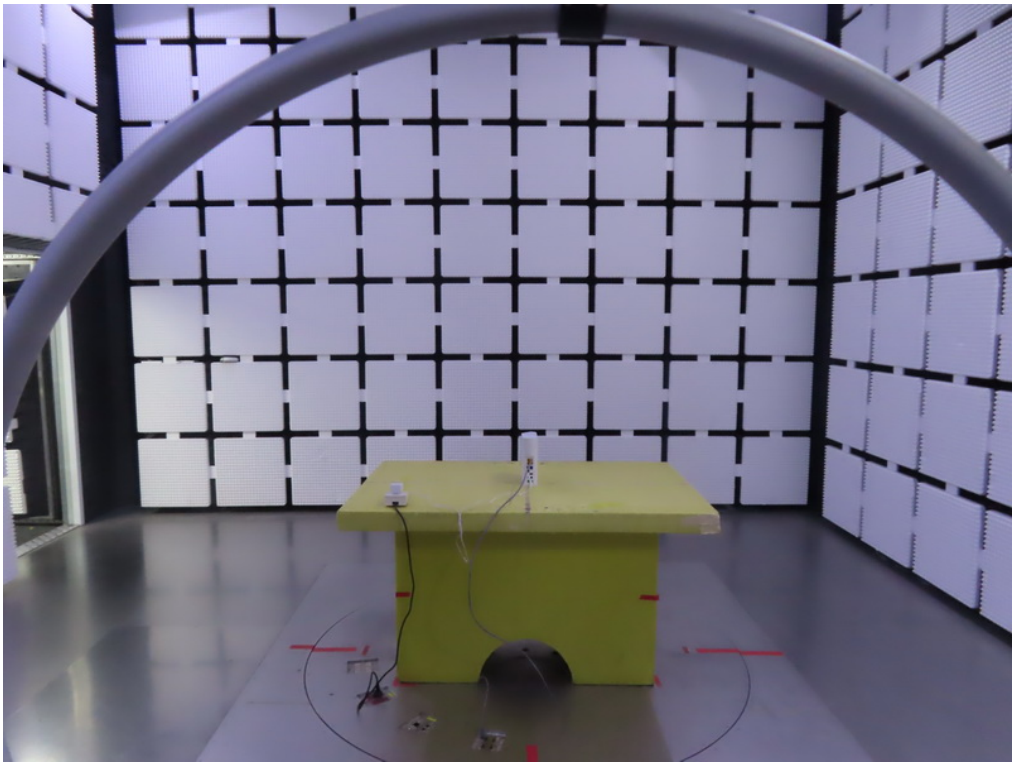
11. EUT TEST PHOTO

AC Power Line Conducted Emissions Test Photos

Radiated Emissions Test Photos

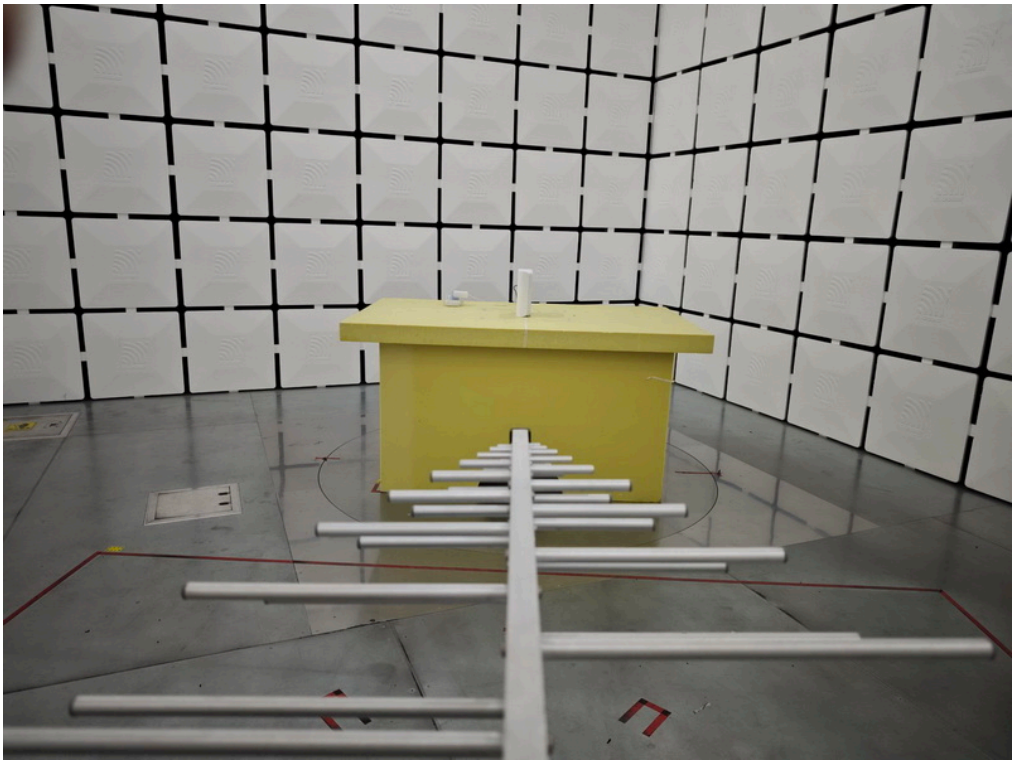
9 kHz to 30 MHz

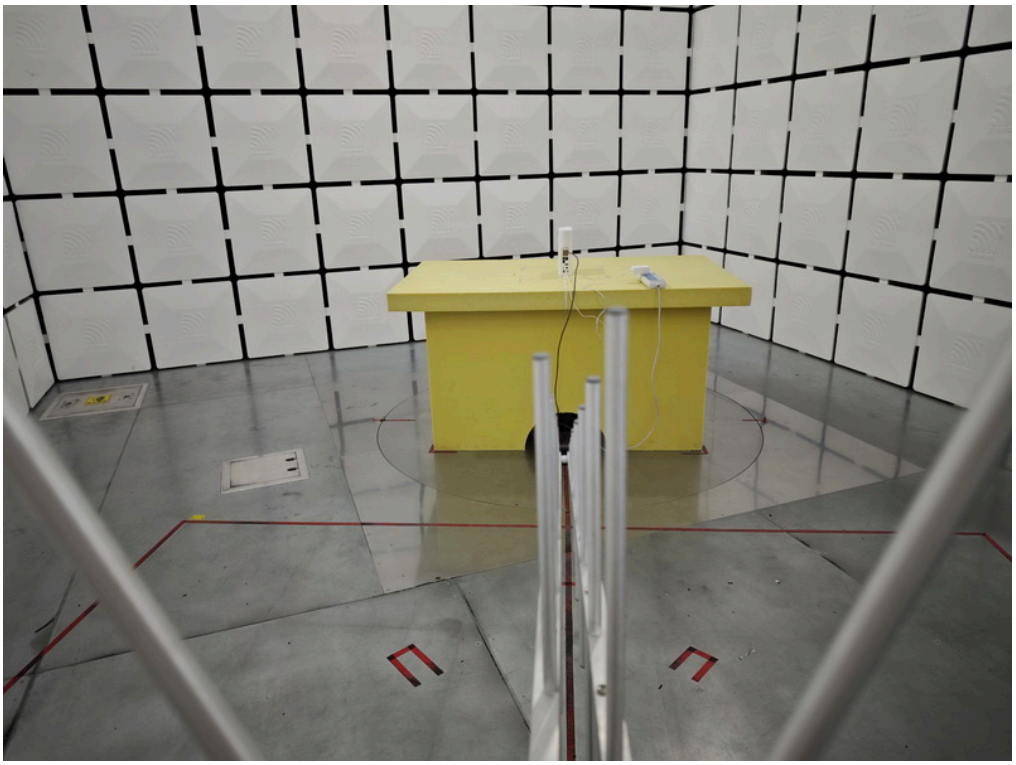




Radiated Emissions Test Photos

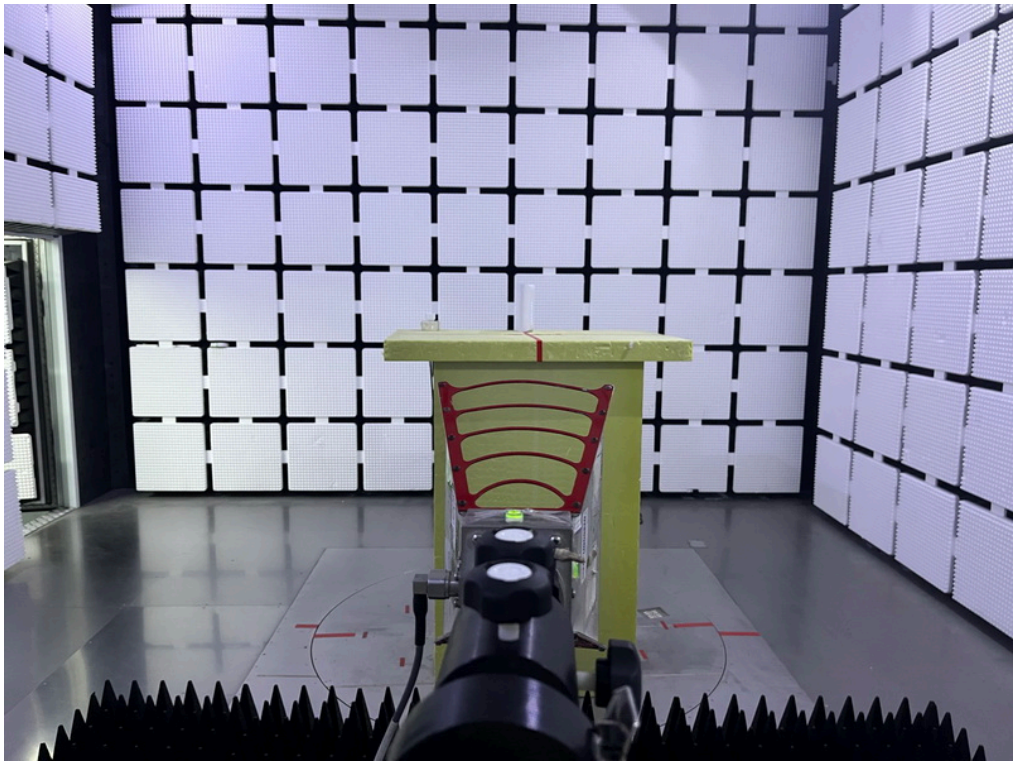
30 MHz to 1 GHz

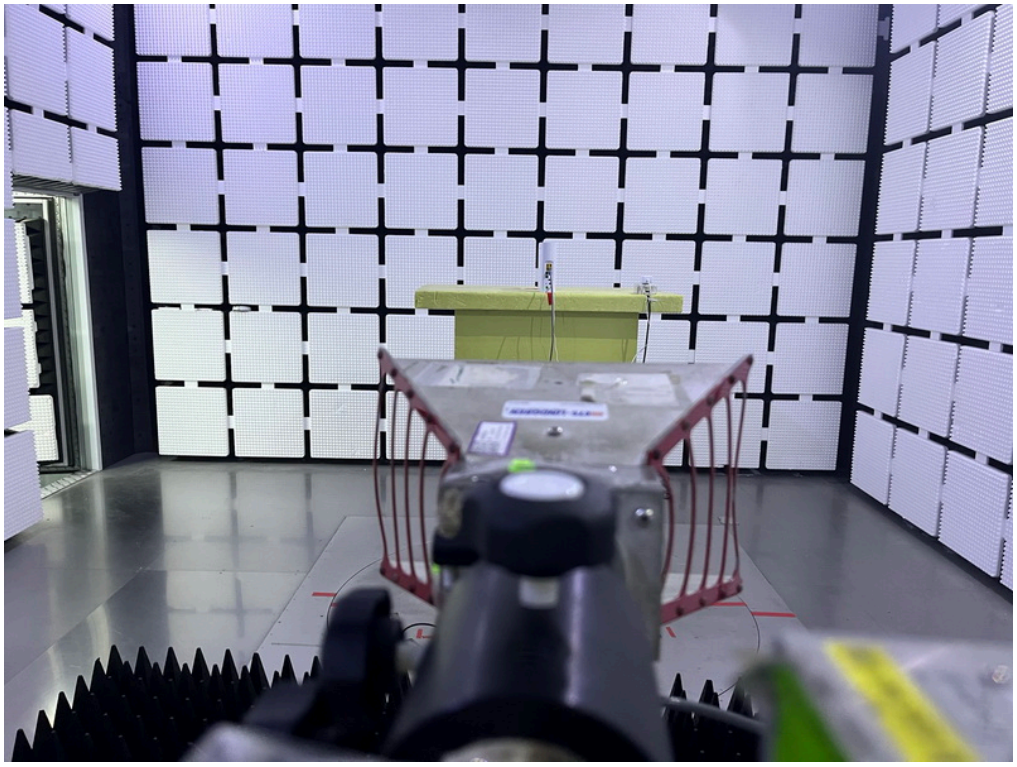




Radiated Emissions Test Photos

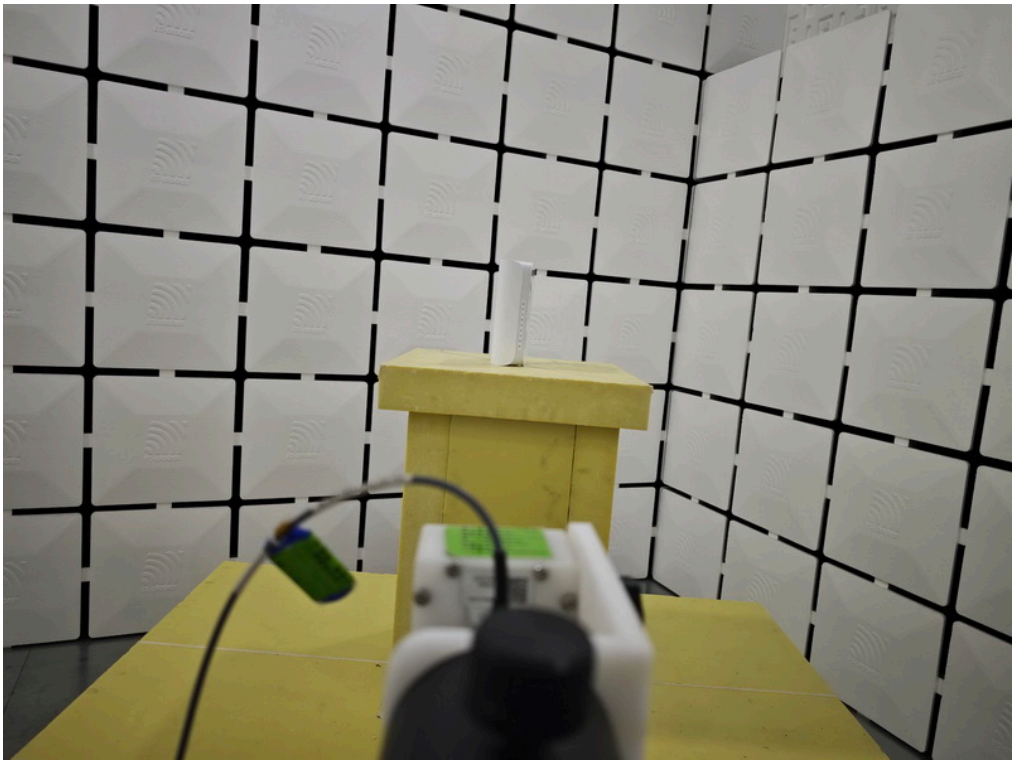
Band edge & Harmonic(1 GHz to 18 GHz)

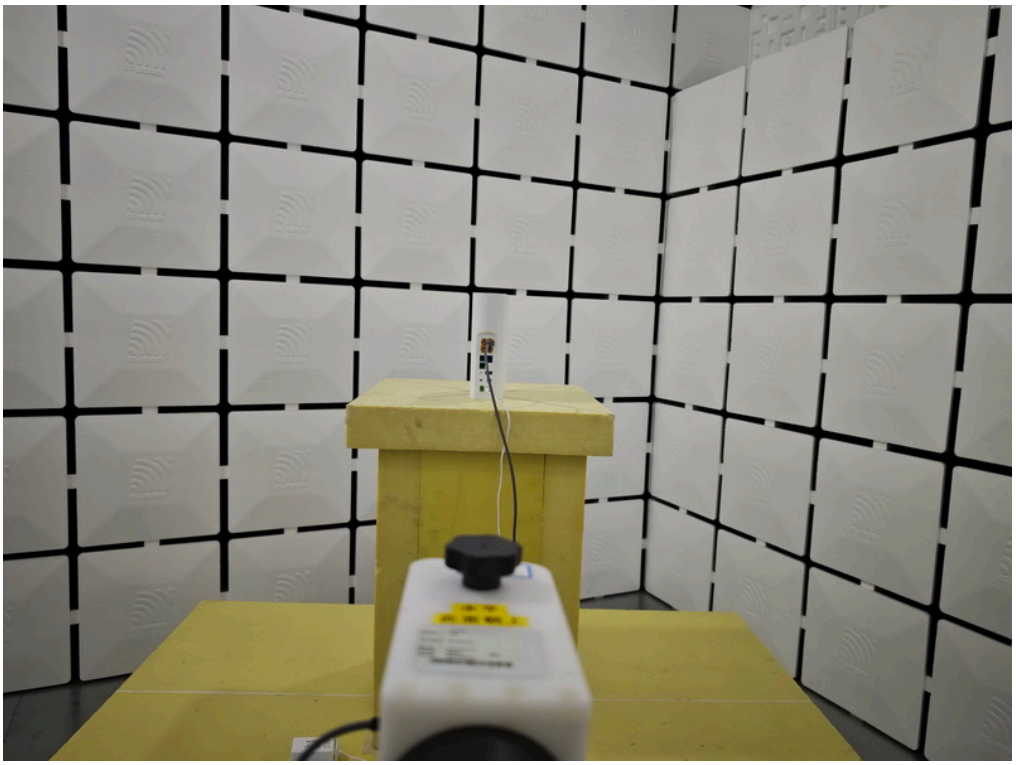




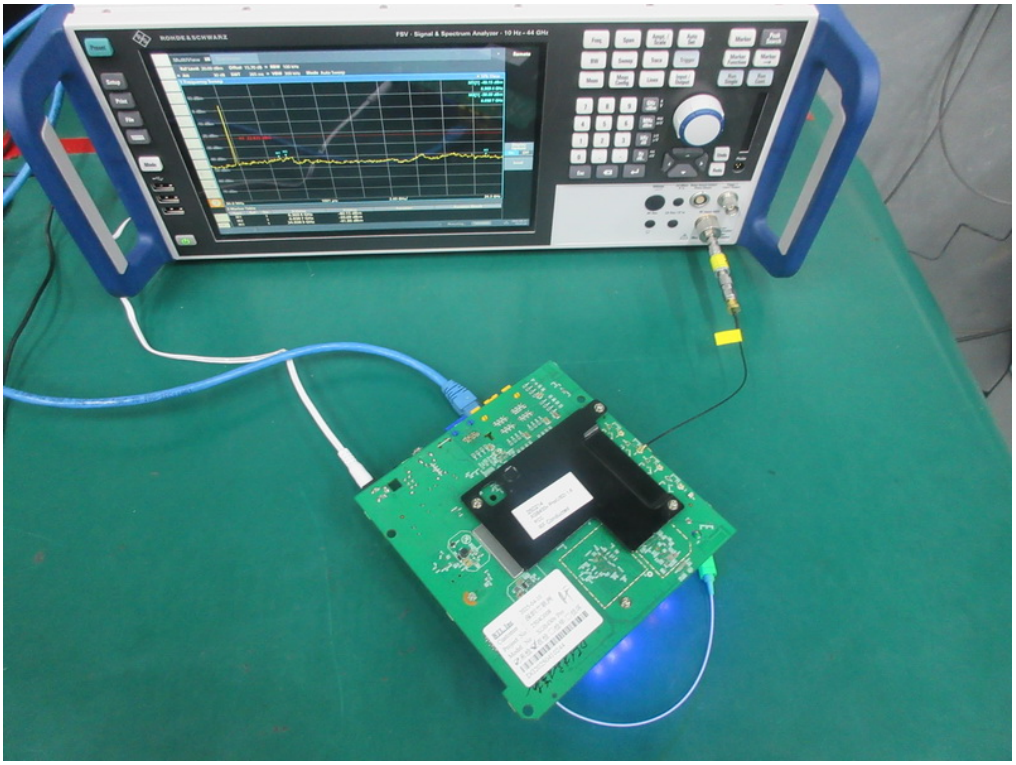
Radiated Emissions Test Photos

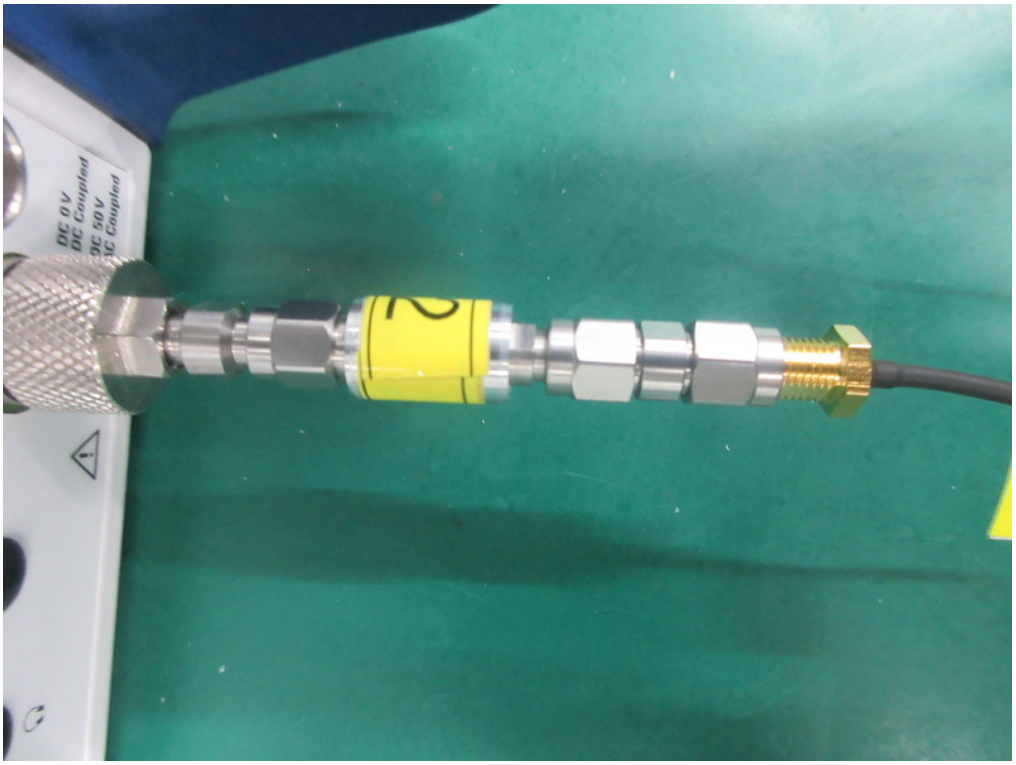
Harmonic(18 GHz to 26.5 GHz)





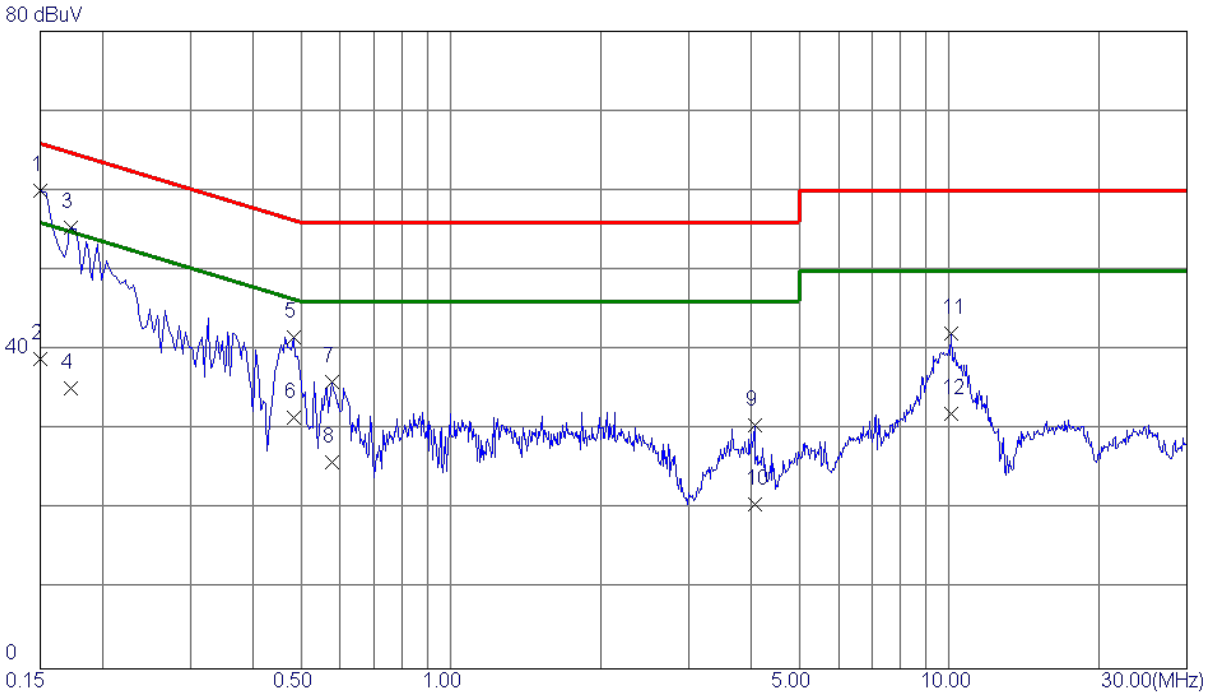
Conducted Test Photos





APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

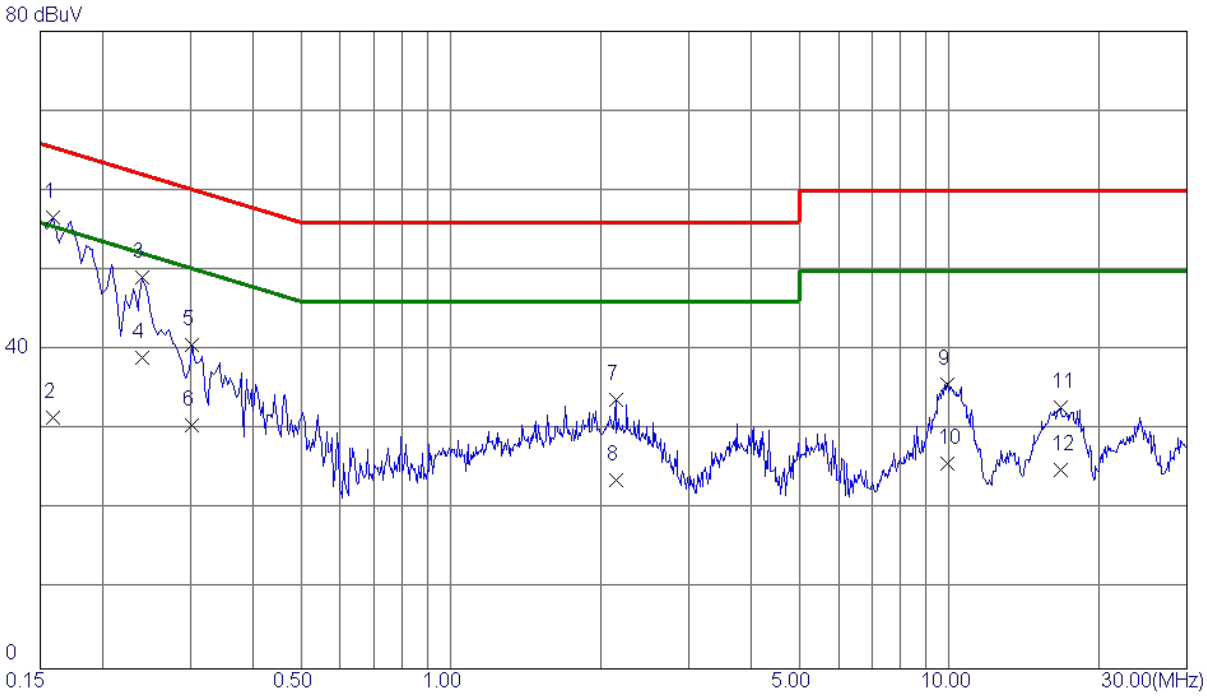
Test Mode	TX N(HT20) Mode Channel 06	Phase	Line



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0. 1500	50. 15	9. 90	60. 05	66. 00	-5. 95	QP	
2	0. 1500	28. 99	9. 90	38. 89	56. 00	-17. 11	AVG	
3	0. 1725	45. 40	9. 92	55. 32	64. 84	-9. 52	QP	
4	0. 1725	25. 21	9. 92	35. 13	54. 84	-19. 71	AVG	
5	0. 4830	31. 67	9. 96	41. 63	56. 29	-14. 66	QP	
6	0. 4830	21. 60	9. 96	31. 56	46. 29	-14. 73	AVG	
7	0. 5775	25. 97	9. 98	35. 95	56. 00	-20. 05	QP	
8	0. 5775	15. 90	9. 98	25. 88	46. 00	-20. 12	AVG	
9	4. 0695	20. 12	10. 51	30. 63	56. 00	-25. 37	QP	
10	4. 0695	10. 20	10. 51	20. 71	46. 00	-25. 29	AVG	
11	10. 0995	30. 08	12. 00	42. 08	60. 00	-17. 92	QP	
12	10. 0995	20. 00	12. 00	32. 00	50. 00	-18. 00	AVG	

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

Test Mode	TX N(HT20) Mode Channel 06	Phase	Neutral

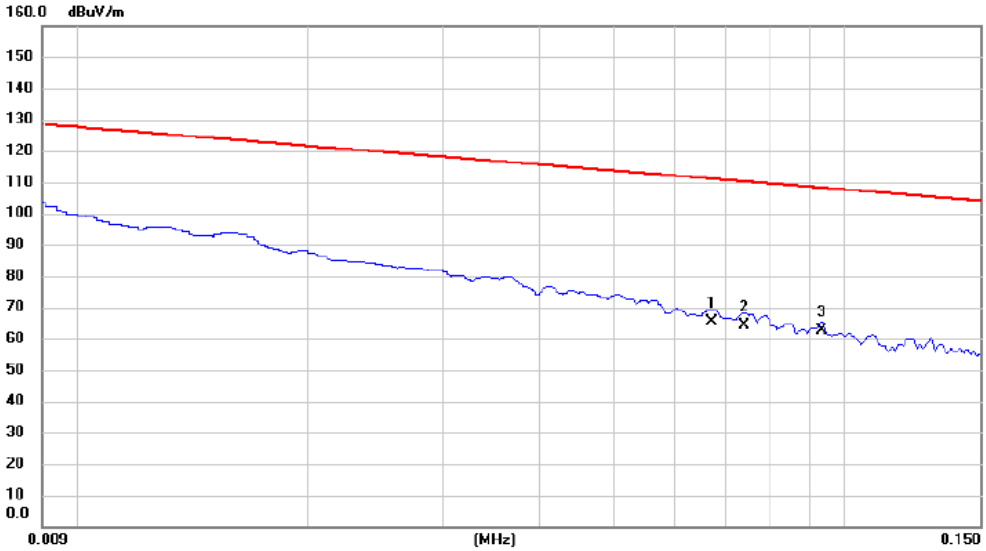


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0. 1590	46. 63	9. 97	56. 60	65. 52	-8. 92	QP	
2	0. 1590	21. 51	9. 97	31. 48	55. 52	-24. 04	AVG	
3	0. 2400	39. 12	9. 98	49. 10	62. 10	-13. 00	QP	
4	0. 2400	29. 10	9. 98	39. 08	52. 10	-13. 02	AVG	
5	0. 3030	30. 62	9. 98	40. 60	60. 16	-19. 56	QP	
6	0. 3030	20. 60	9. 98	30. 58	50. 16	-19. 58	AVG	
7	2. 1435	23. 44	10. 27	33. 71	56. 00	-22. 29	QP	
8	2. 1435	13. 40	10. 27	23. 67	46. 00	-22. 33	AVG	
9	9. 9330	23. 82	11. 94	35. 76	60. 00	-24. 24	QP	
10	9. 9330	13. 80	11. 94	25. 74	50. 00	-24. 26	AVG	
11	16. 7145	18. 65	14. 10	32. 75	60. 00	-27. 25	QP	
12	16. 7145	10. 80	14. 10	24. 90	50. 00	-25. 10	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

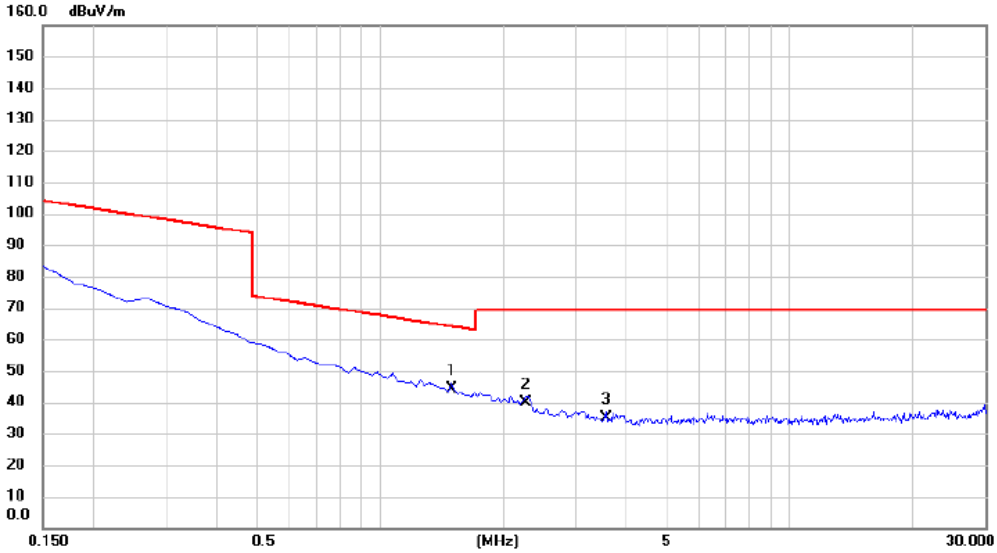
Test Mode	TX N(HT20) Mode Channel 06	Polarization	Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.067	44.00	21.34	65.34	111.08	-45.74	AVG	
2		0.074	42.91	21.34	64.25	110.22	-45.97	AVG	
3		0.093	41.07	21.34	62.41	108.21	-45.80	QP	

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

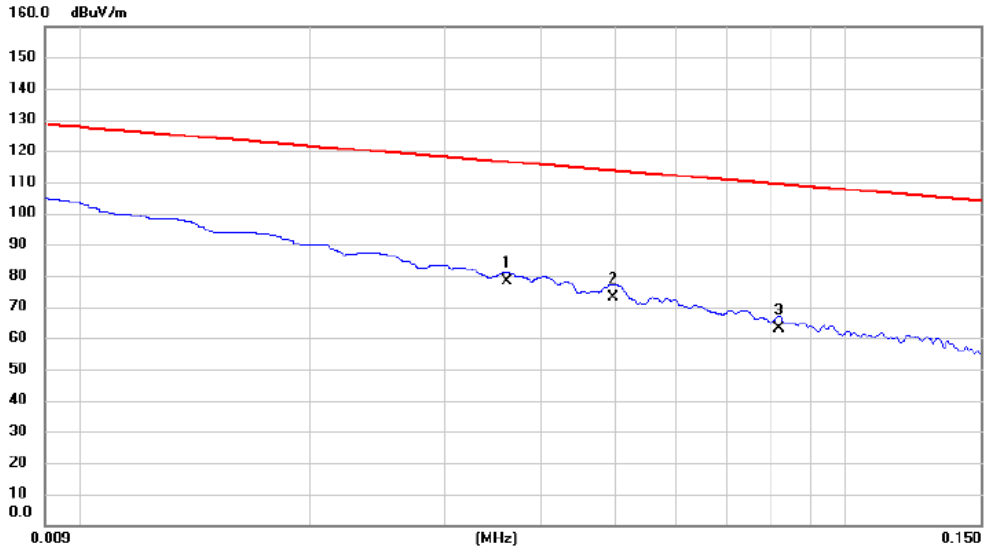
Test Mode	TX N(HT20) Mode Channel 06	Polarization	Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	1.493	23.12	21.20	44.32	64.12	-19.80	QP	
2		2.269	18.43	21.22	39.65	69.54	-29.89	QP	
3		3.553	13.58	21.30	34.88	69.54	-34.66	QP	

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

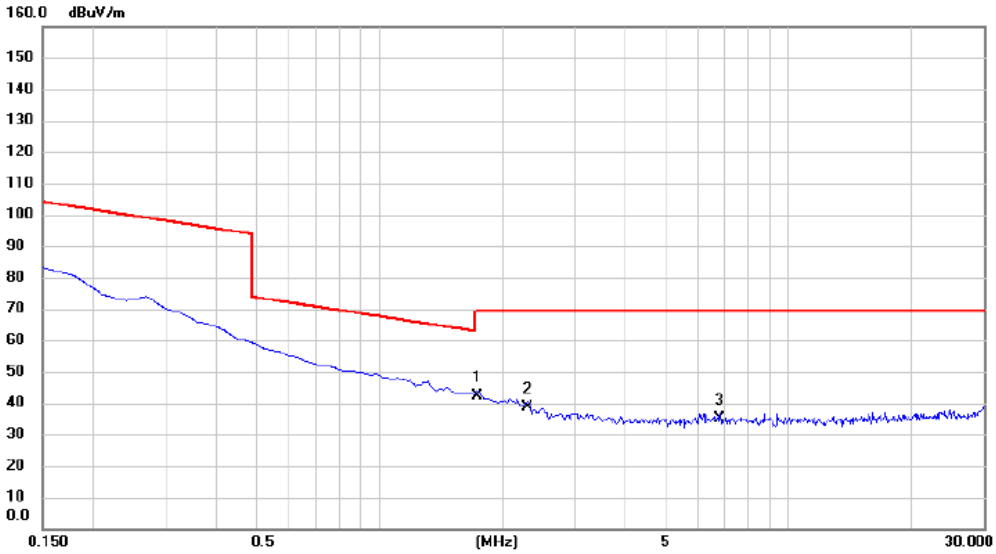
Test Mode	TX N(HT20) Mode Channel 06	Polarization	Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.036	56.75	21.27	78.02	116.45	-38.43	AVG	
2		0.050	51.74	21.34	73.08	113.68	-40.60	AVG	
3		0.082	41.63	21.34	62.97	109.35	-46.38	AVG	

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

Test Mode	TX N(HT20) Mode Channel 06	Polarization	Ant 90°

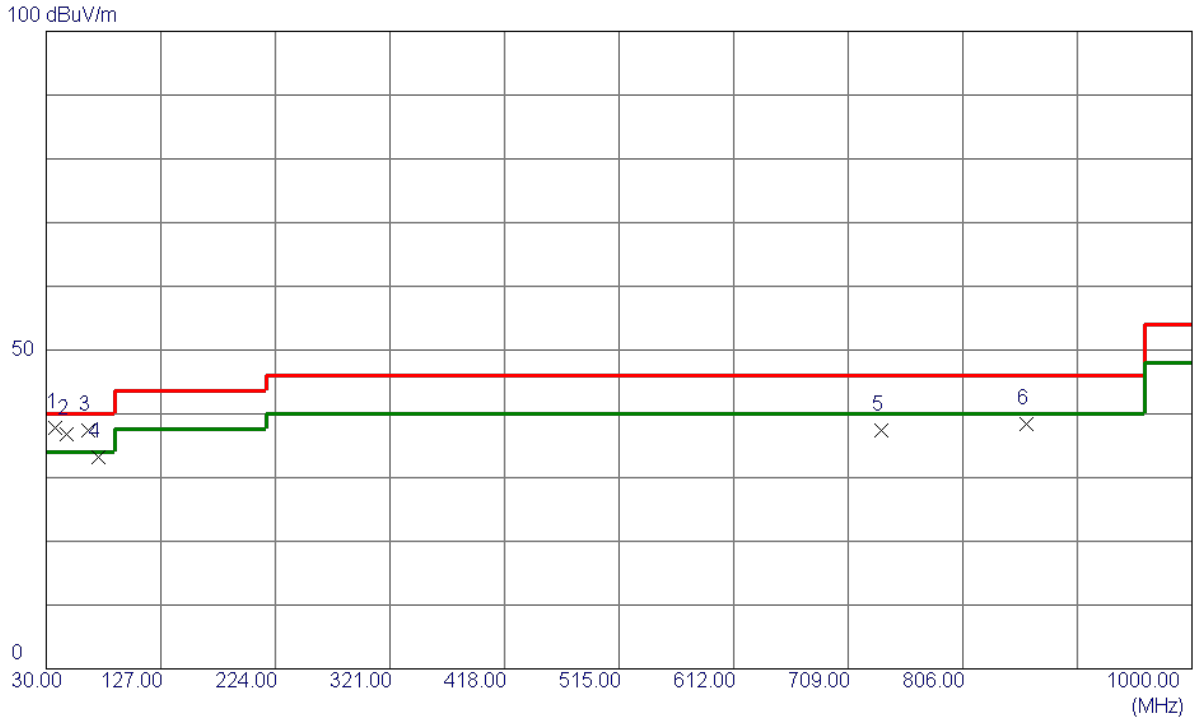


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	1.732	20.83	21.21	42.04	69.54	-27.50	QP	
2		2.299	17.46	21.22	38.68	69.54	-30.86	QP	
3		6.777	13.50	21.48	34.98	69.54	-34.56	QP	

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

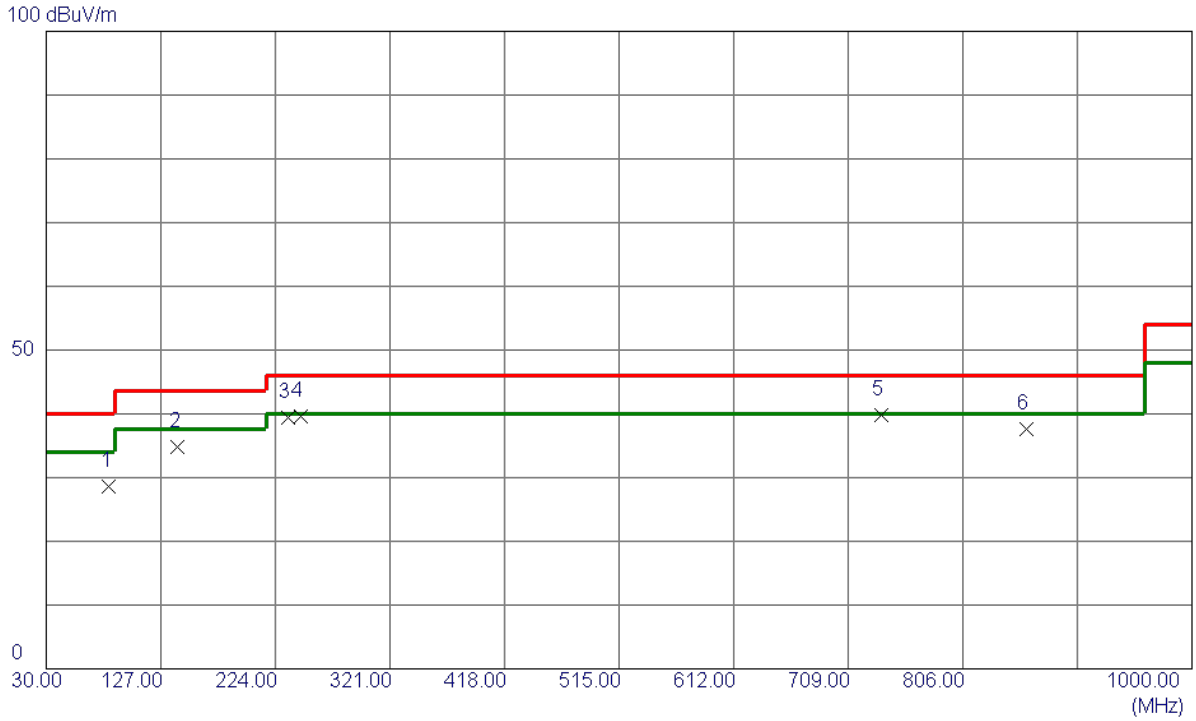
Test Mode	TX N(HT20) Mode Channel 06	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	37.7599	53.16	-15.37	37.79	40.00	-2.21	Peak	
2	47.4600	51.86	-15.03	36.83	40.00	-3.17	Peak	
3	65.8900	53.84	-16.42	37.42	40.00	-2.58	QP	
4	74.6200	51.51	-18.38	33.13	40.00	-6.87	Peak	
5	737.1300	41.76	-4.45	37.31	46.00	-8.69	Peak	
6	860.3200	41.26	-2.87	38.39	46.00	-7.61	Peak	

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

Test Mode	TX N(HT20) Mode Channel 06	Polarization	Horizontal

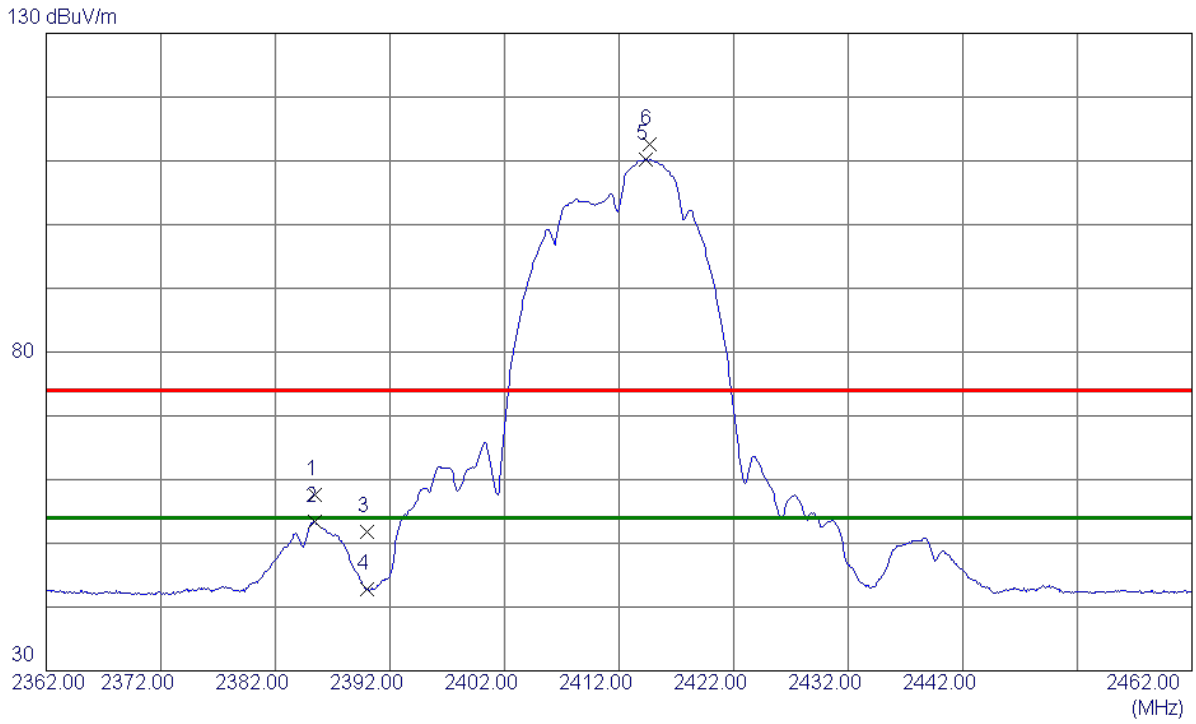


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	83.3500	49.16	-20.53	28.63	40.00	-11.37	Peak	
2	141.5500	50.31	-15.43	34.88	43.50	-8.62	Peak	
3	234.6700	56.56	-17.09	39.47	46.00	-6.53	Peak	
4	245.3400	55.92	-16.38	39.54	46.00	-6.46	Peak	
5 *	737.1300	44.16	-4.45	39.71	46.00	-6.29	Peak	
6	860.3200	40.53	-2.87	37.66	46.00	-8.34	Peak	

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

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

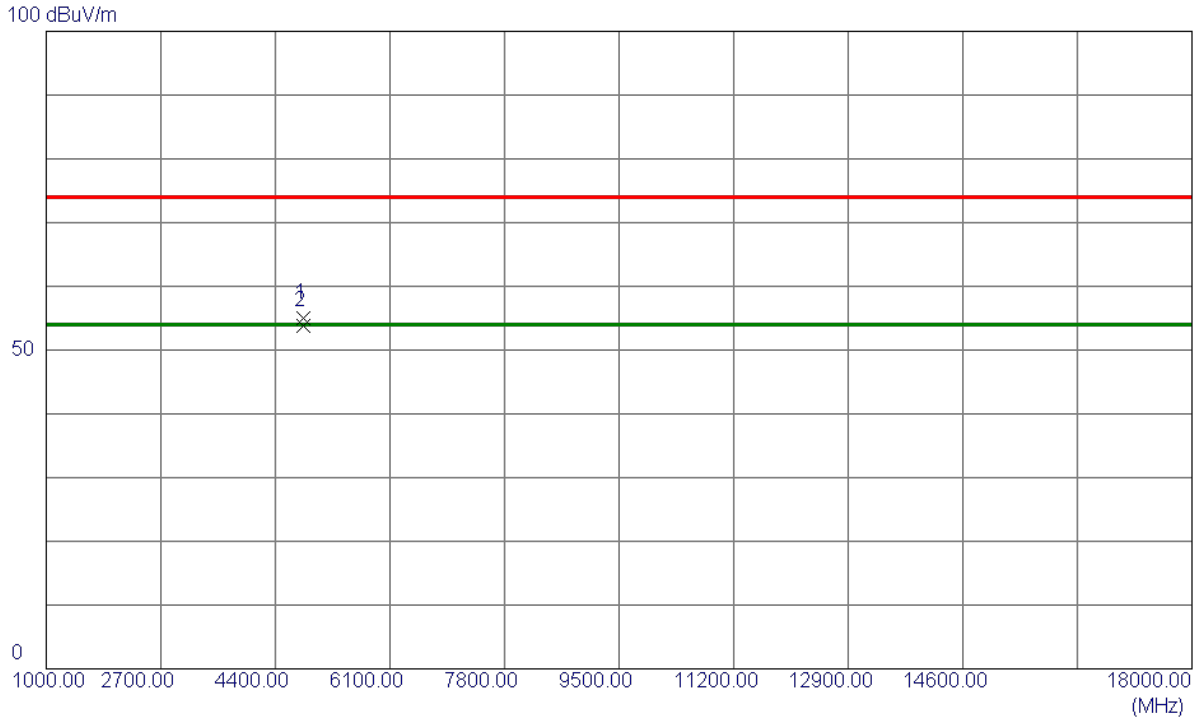
Test Mode	TX B Mode 2412 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2385.4000	50.90	6.74	57.64	74.00	-16.36	Peak	
2	2385.4000	46.59	6.74	53.33	54.00	-0.67	AVG	
3	2390.0000	45.05	6.75	51.80	74.00	-22.20	Peak	
4	2390.0000	36.13	6.75	42.88	54.00	-11.12	AVG	
5 *	2414.3000	103.35	6.80	110.15	54.00	56.15	AVG	No Limit
6	2414.7000	105.72	6.80	112.52	74.00	38.52	Peak	No Limit

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

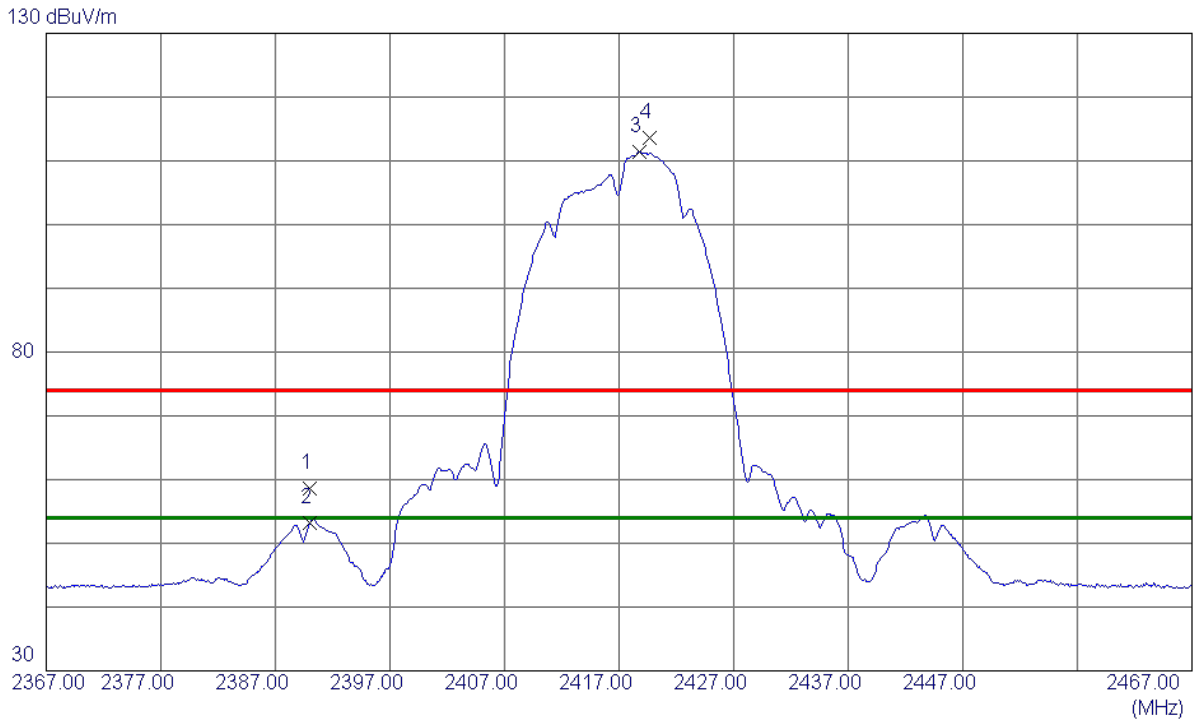
Test Mode	TX B Mode 2412 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9500	52.38	2.64	55.02	74.00	-18.98	Peak	
2 *	4823.9500	51.14	2.64	53.78	54.00	-0.22	AVG	

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

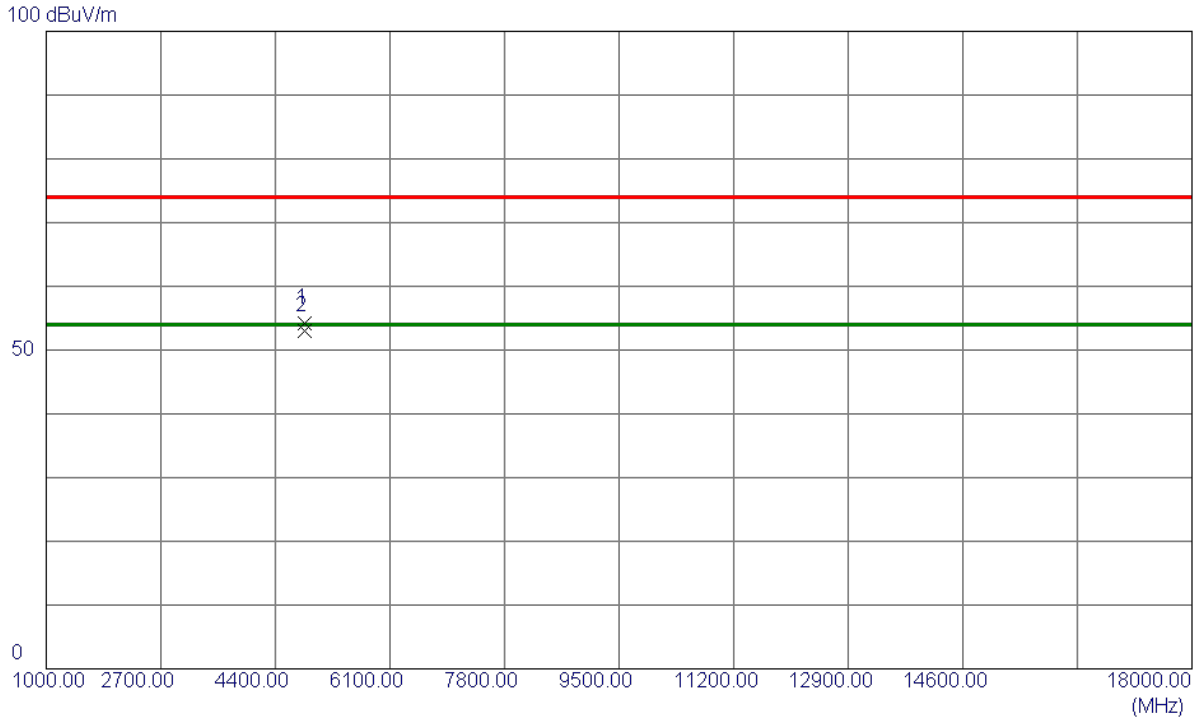
Test Mode	TX B Mode 2417 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	51.77	6.75	58.52	74.00	-15.48	Peak	
2	2390.0000	46.54	6.75	53.29	54.00	-0.71	AVG	
3 *	2418.8000	104.58	6.81	111.39	54.00	57.39	AVG	No Limit
4	2419.7000	106.73	6.81	113.54	74.00	39.54	Peak	No Limit

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

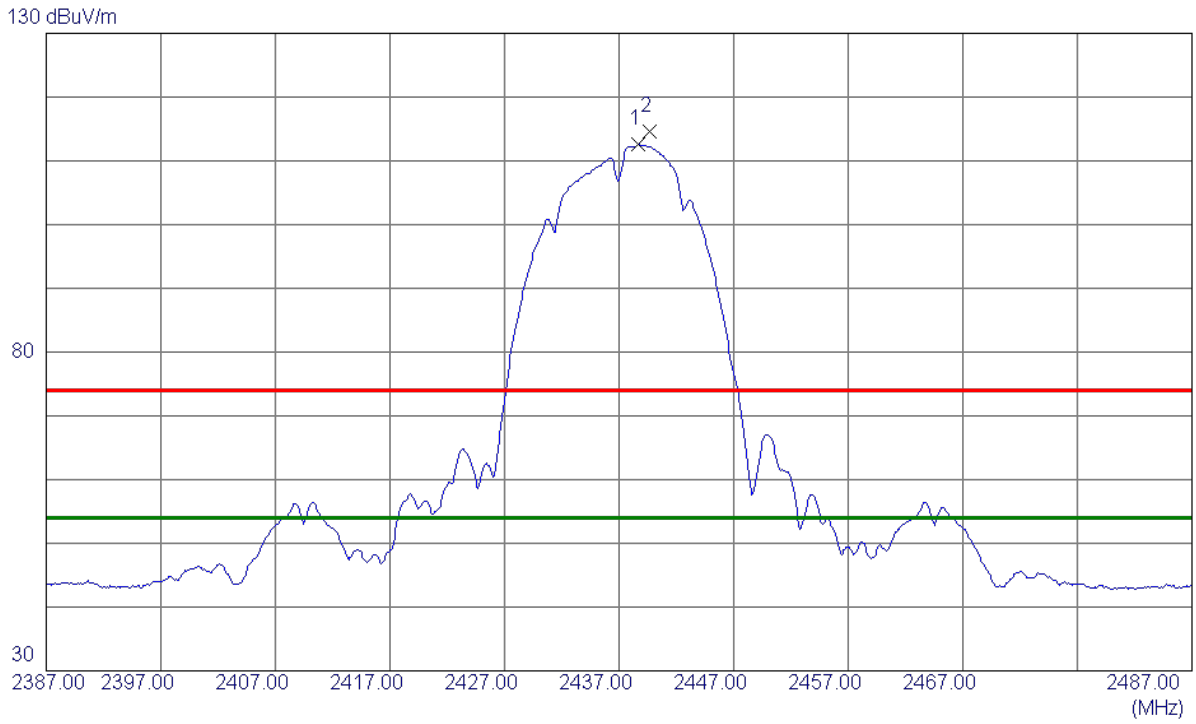
Test Mode	TX B Mode 2417 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4833.9500	51.50	2.64	54.14	74.00	-19.86	Peak	
2 *	4833.9500	50.32	2.64	52.96	54.00	-1.04	AVG	

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

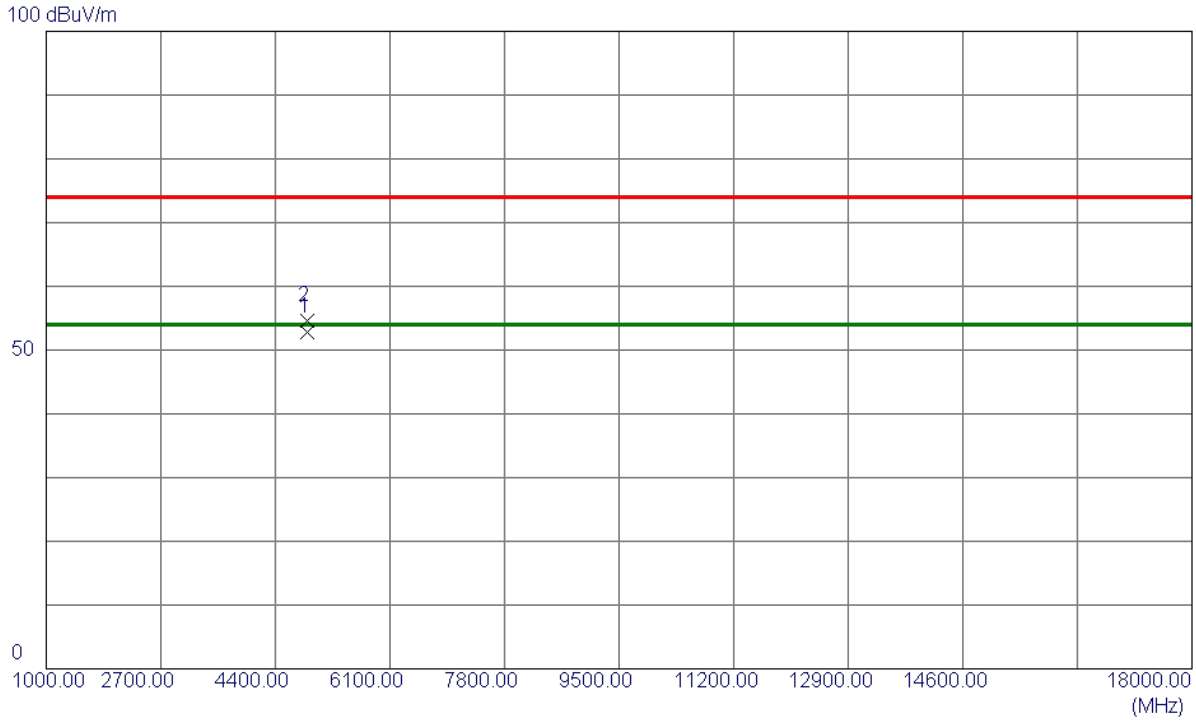
Test Mode	TX B Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2438.7000	105.74	6.84	112.58	54.00	58.58	AVG	No Limit
2	2439.7000	107.66	6.85	114.51	74.00	40.51	Peak	No Limit

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

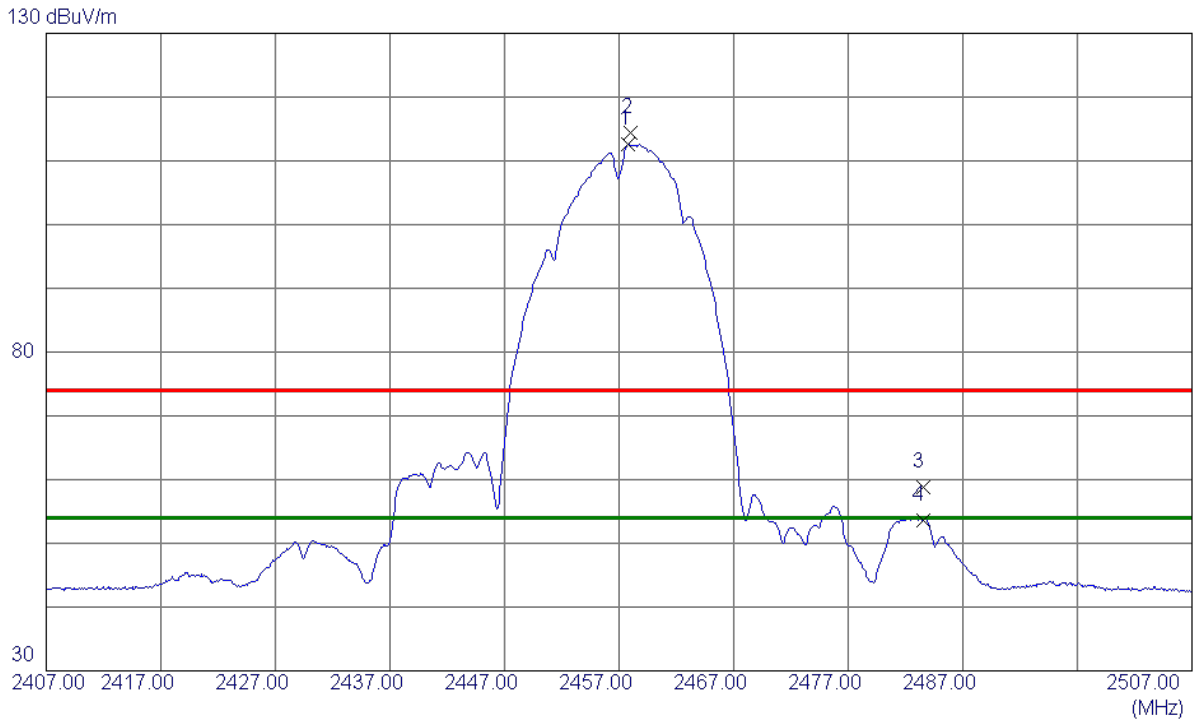
Test Mode	TX B Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.9300	50.22	2.66	52.88	54.00	-1.12	AVG	
2	4873.9700	51.85	2.66	54.51	74.00	-19.49	Peak	

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

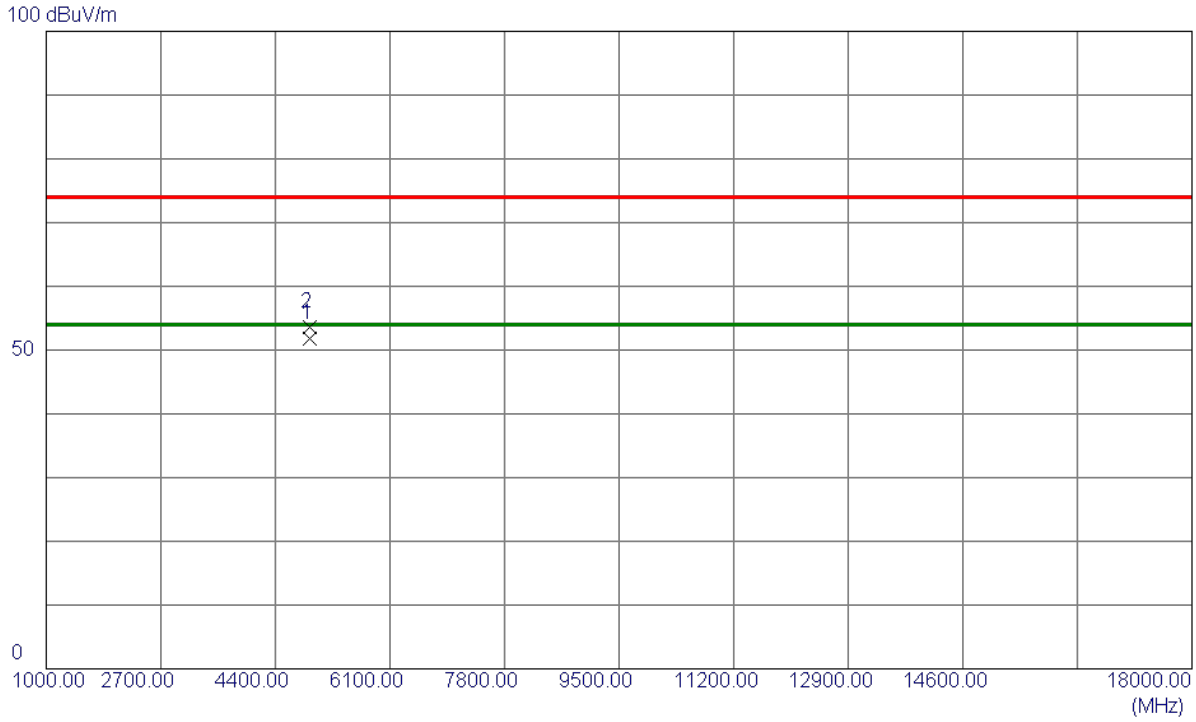
Test Mode	TX B Mode 2457 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2457.8000	105.66	6.88	112.54	54.00	58.54	AVG	No Limit
2	2458.0000	107.55	6.88	114.43	74.00	40.43	Peak	No Limit
3	2483.5000	51.93	6.93	58.86	74.00	-15.14	Peak	
4	2483.5000	46.66	6.93	53.59	54.00	-0.41	AVG	

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

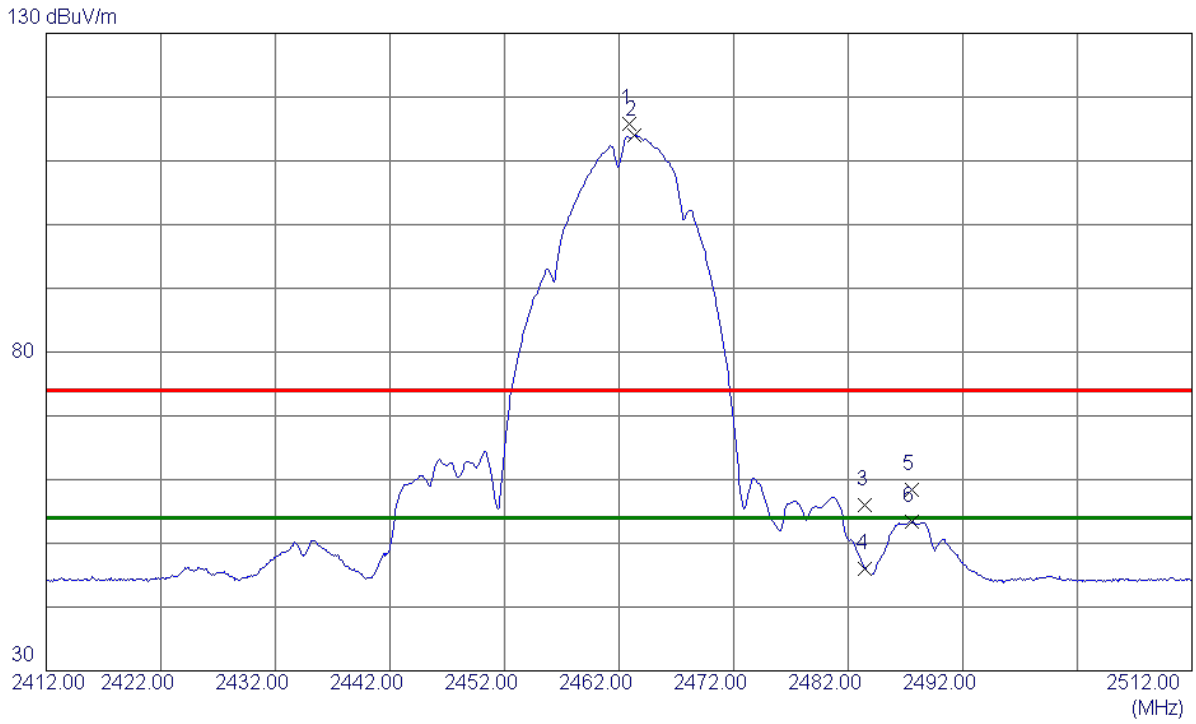
Test Mode	TX B Mode 2457 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4913.9500	49.20	2.69	51.89	54.00	-2.11	AVG	
2	4914.0500	50.82	2.69	53.51	74.00	-20.49	Peak	

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

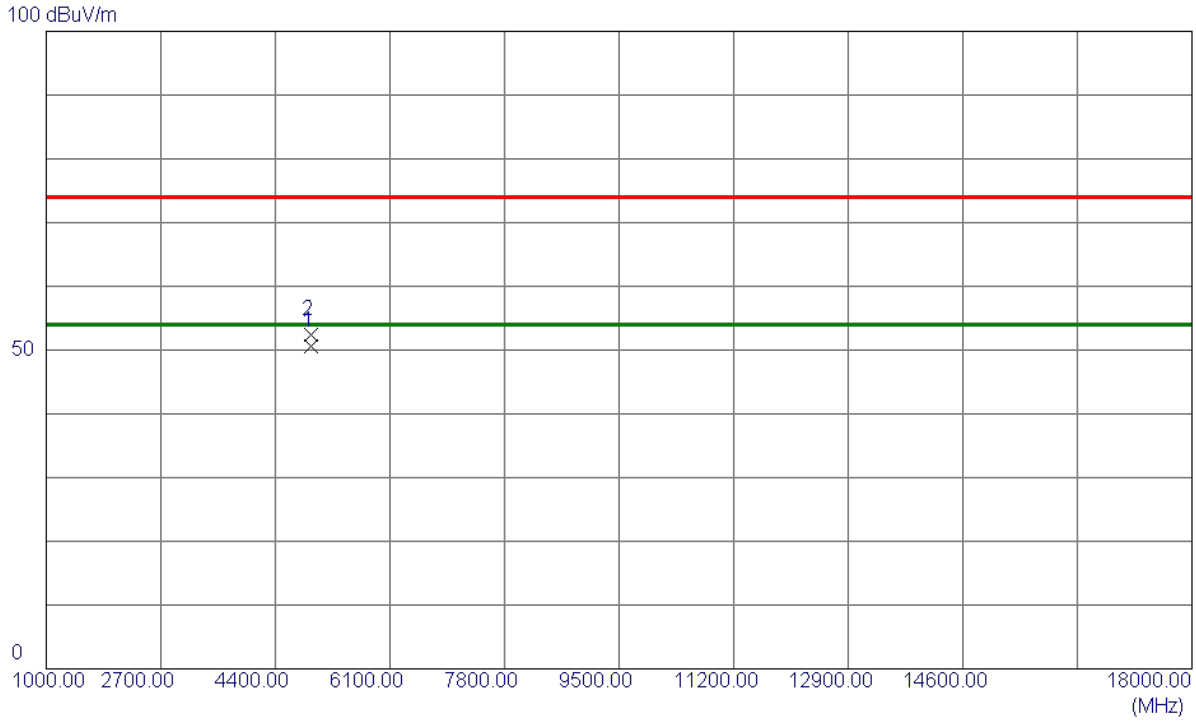
Test Mode	TX B Mode 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2462.9000	108.84	6.89	115.73	74.00	41.73	Peak	No Limit
2 *	2463.3000	107.02	6.89	113.91	54.00	59.91	AVG	No Limit
3	2483.5000	49.04	6.93	55.97	74.00	-18.03	Peak	
4	2483.5000	39.14	6.93	46.07	54.00	-7.93	AVG	
5	2487.6000	51.48	6.94	58.42	74.00	-15.58	Peak	
6	2487.6000	46.43	6.94	53.37	54.00	-0.63	AVG	

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

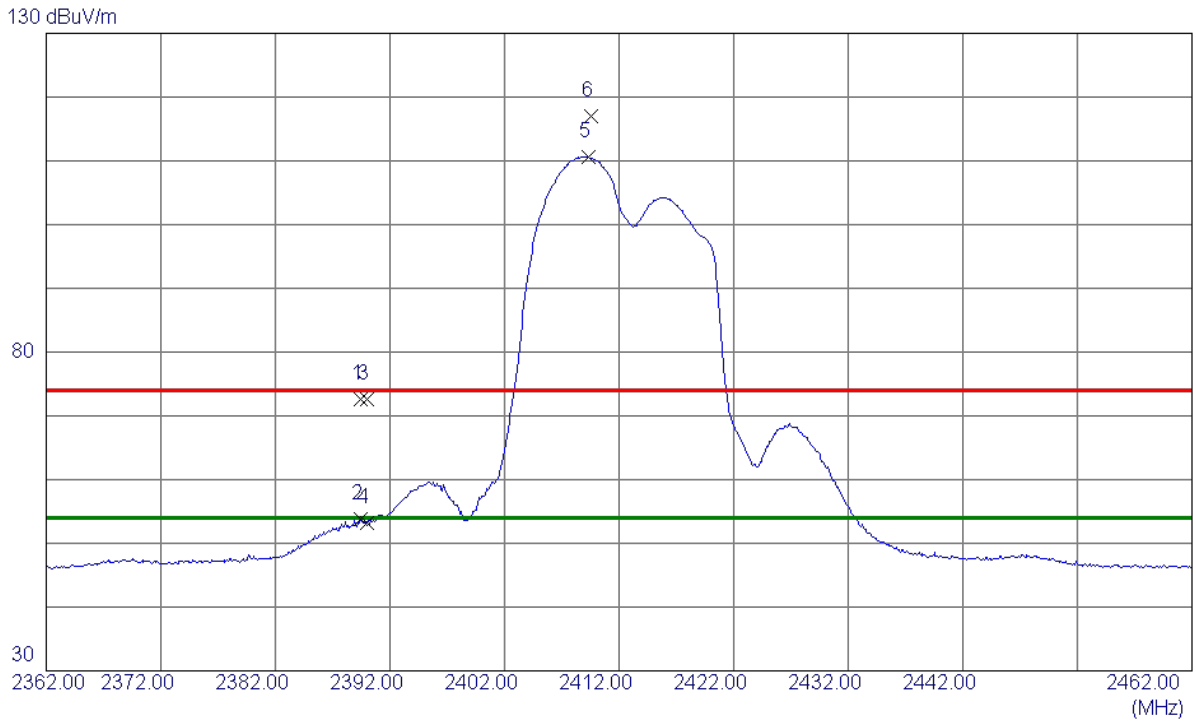
Test Mode	TX B Mode 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4923.9500	47.97	2.69	50.66	54.00	-3.34	AVG	
2	4924.0400	49.73	2.69	52.42	74.00	-21.58	Peak	

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

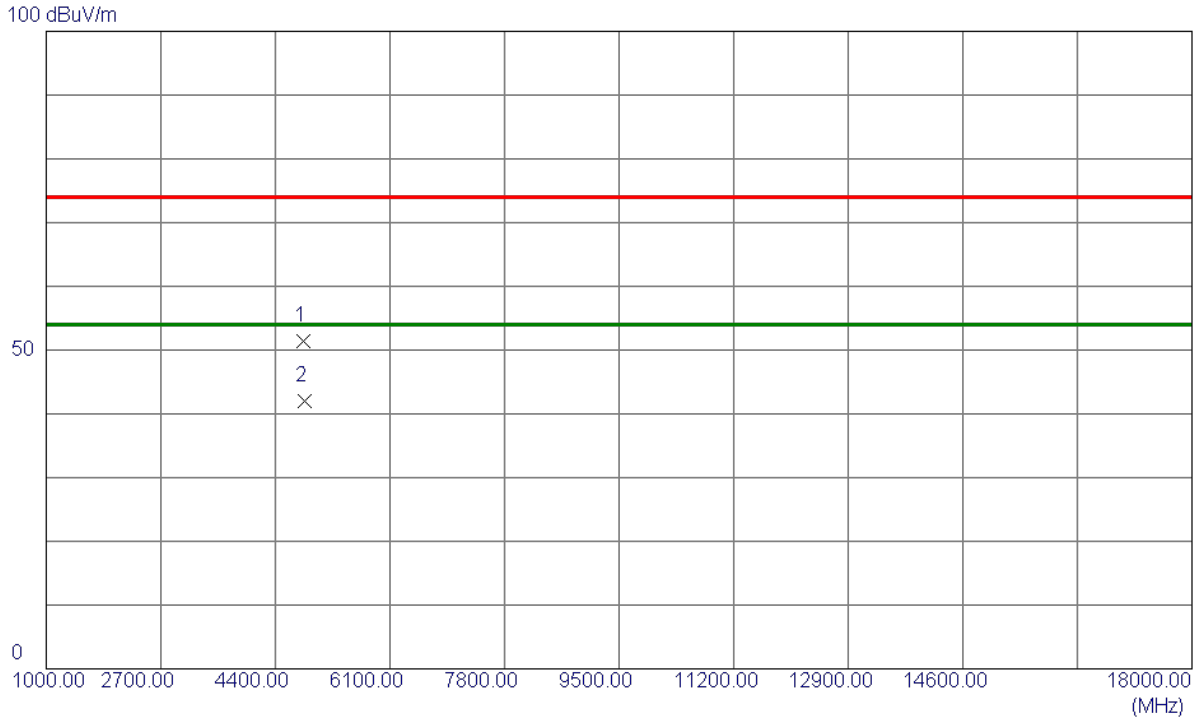
Test Mode	TX G Mode 2412 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389.4000	65.92	6.75	72.67	74.00	-1.33	Peak	
2	2389.4000	47.13	6.75	53.88	54.00	-0.12	AVG	
3	2390.0000	65.94	6.75	72.69	74.00	-1.31	Peak	
4	2390.0000	46.37	6.75	53.12	54.00	-0.88	AVG	
5 *	2409.3000	103.83	6.79	110.62	54.00	56.62	AVG	No Limit
6	2409.6000	110.27	6.79	117.06	74.00	43.06	Peak	No Limit

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

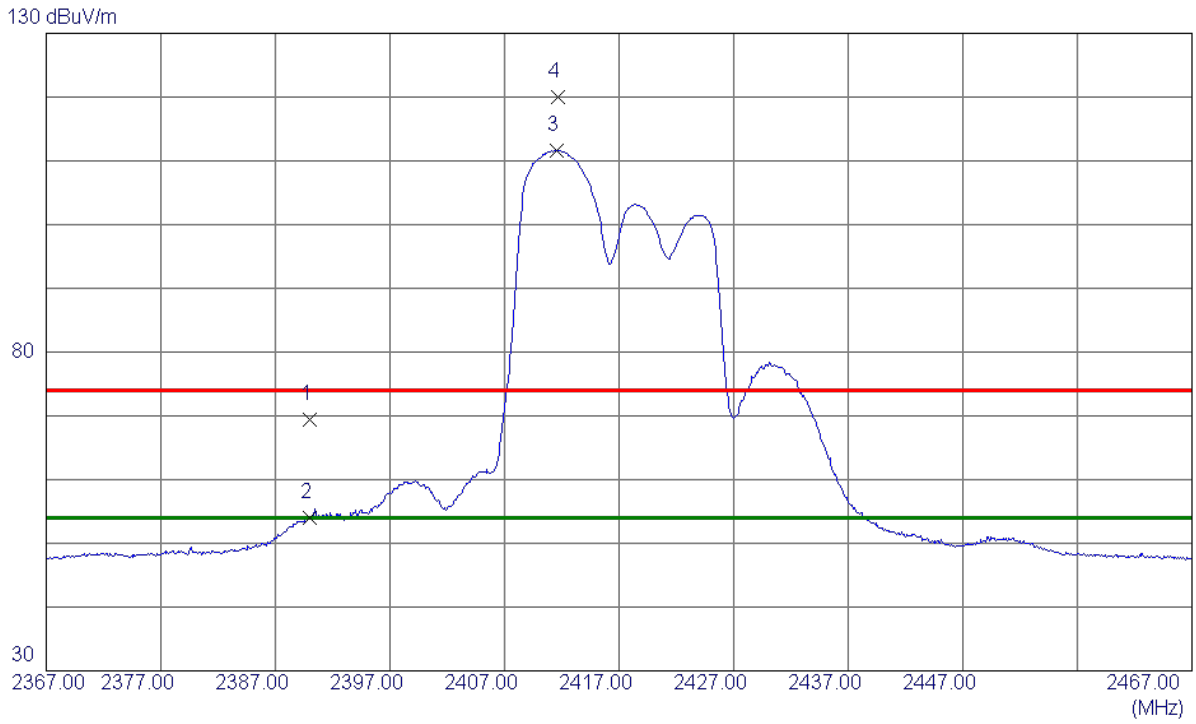
Test Mode	TX G Mode 2412 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.2500	48.70	2.64	51.34	74.00	-22.66	Peak	
2 *	4825.4500	39.43	2.64	42.07	54.00	-11.93	AVG	

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

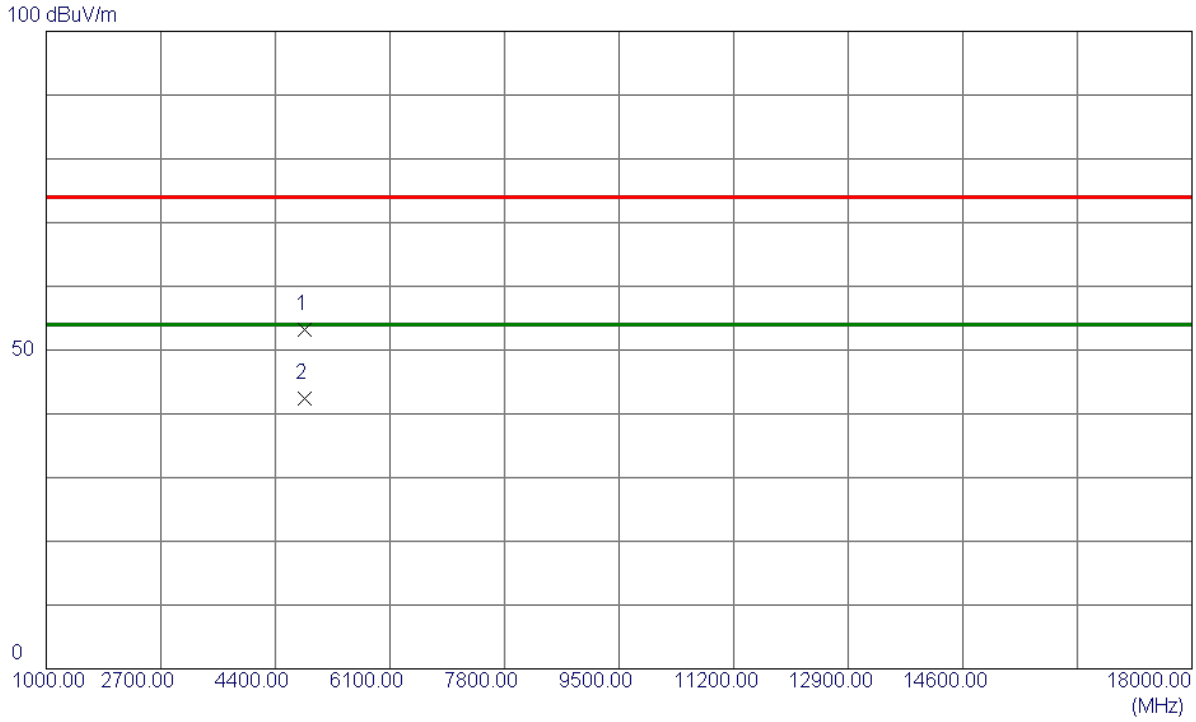
Test Mode	TX G Mode 2417 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	62.73	6.75	69.48	74.00	-4.52	Peak	
2	2390.0000	47.22	6.75	53.97	54.00	-0.03	AVG	
3 *	2411.6000	104.90	6.79	111.69	54.00	57.69	AVG	No Limit
4	2411.7000	113.23	6.79	120.02	74.00	46.02	Peak	No Limit

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

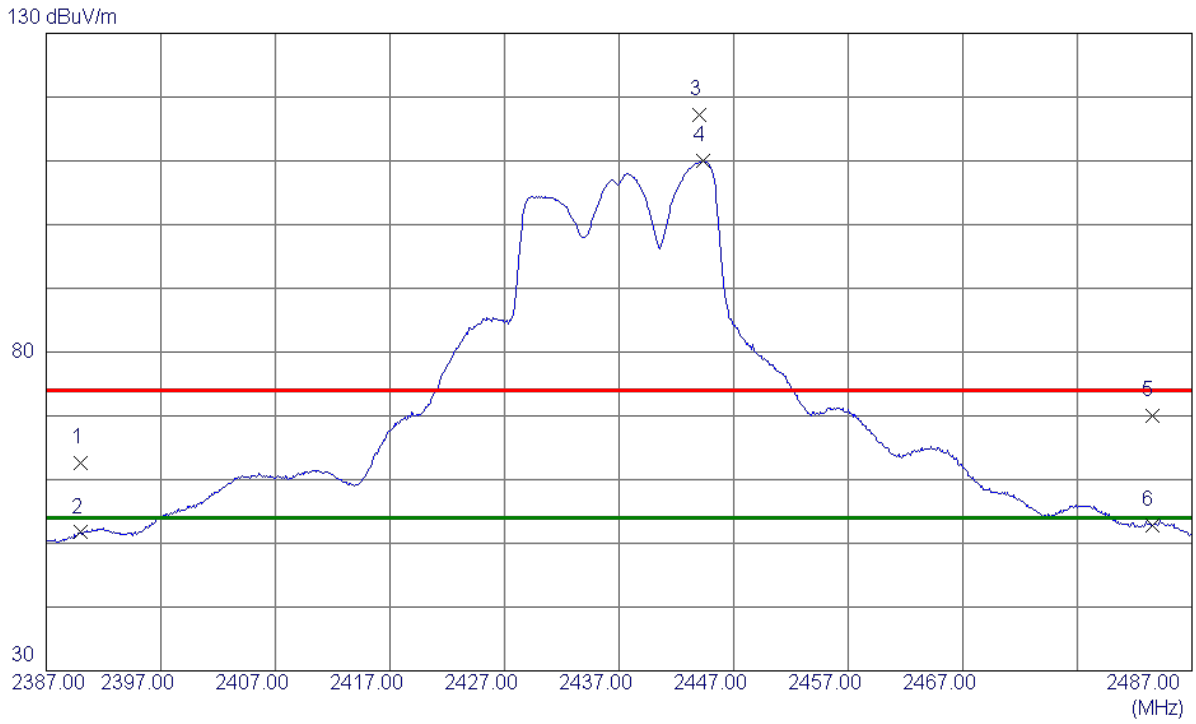
Test Mode	TX G Mode 2417 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4833.9500	50.60	2.64	53.24	74.00	-20.76	Peak	
2 *	4834.1500	39.77	2.64	42.41	54.00	-11.59	AVG	

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

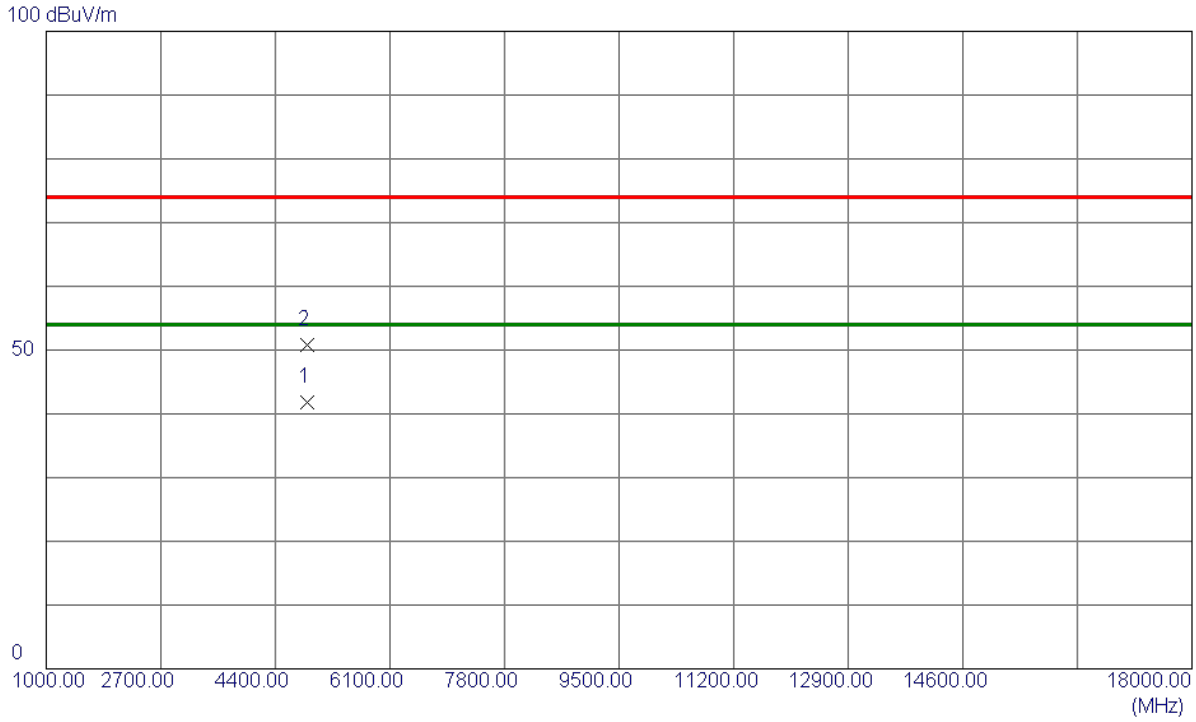
Test Mode	TX G Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	55.84	6.75	62.59	74.00	-11.41	Peak	
2	2390.0000	44.95	6.75	51.70	54.00	-2.30	AVG	
3	2444.0000	110.45	6.85	117.30	74.00	43.30	Peak	No Limit
4 *	2444.3000	103.13	6.86	109.99	54.00	55.99	AVG	No Limit
5	2483.5000	63.04	6.93	69.97	74.00	-4.03	Peak	
6	2483.5000	45.95	6.93	52.88	54.00	-1.12	AVG	

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

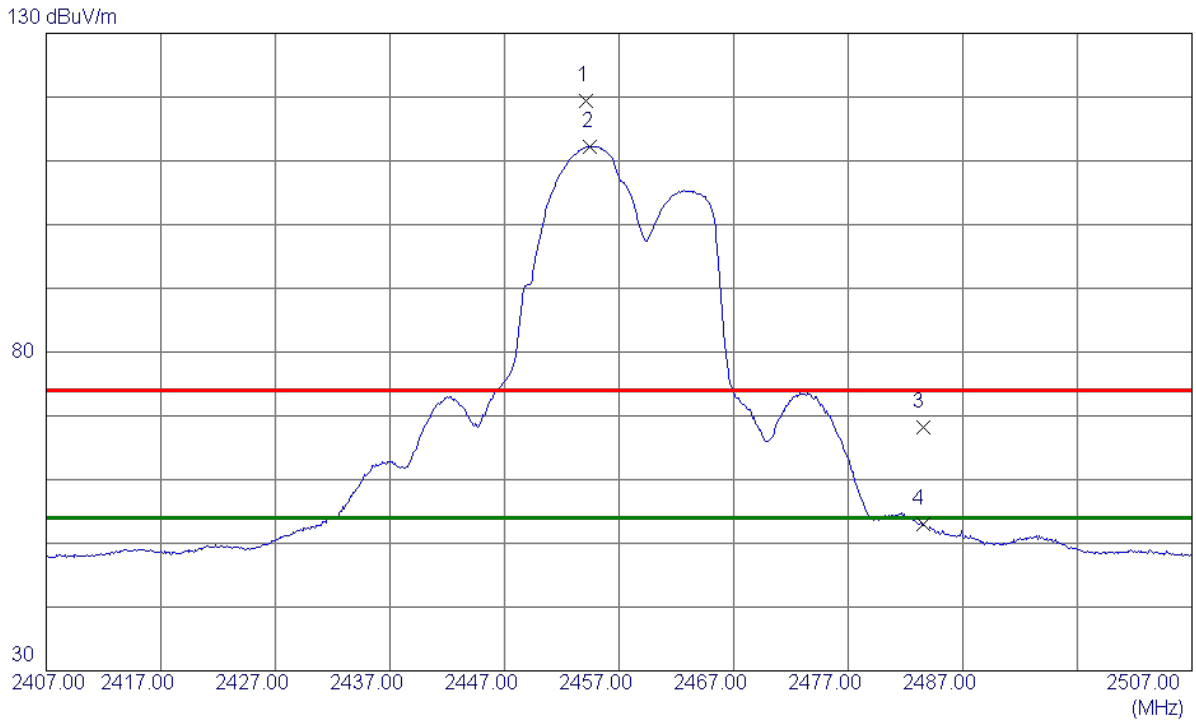
Test Mode	TX G Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874.3500	39.23	2.66	41.89	54.00	-12.11	AVG	
2	4874.7500	48.17	2.66	50.83	74.00	-23.17	Peak	

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

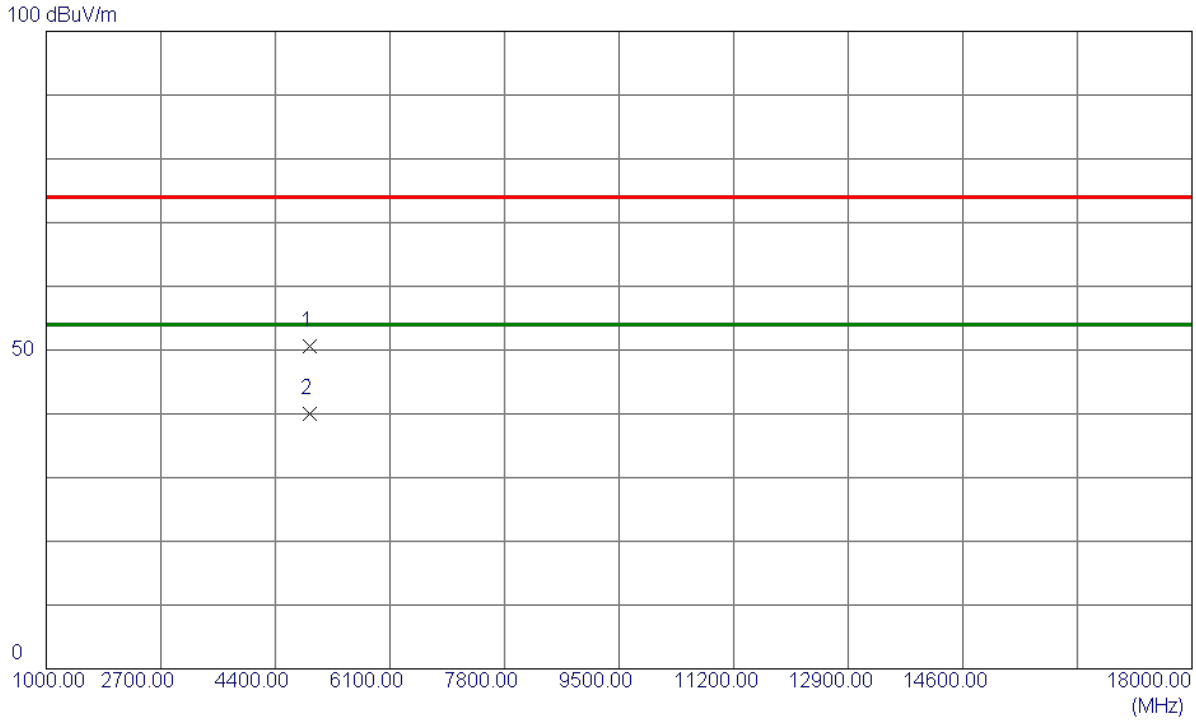
Test Mode	TX G Mode 2457 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2454.1000	112.58	6.87	119.45	74.00	45.45	Peak	No Limit
2 *	2454.5000	105.41	6.87	112.28	54.00	58.28	AVG	No Limit
3	2483.5000	61.33	6.93	68.26	74.00	-5.74	Peak	
4	2483.5000	46.03	6.93	52.96	54.00	-1.04	AVG	

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

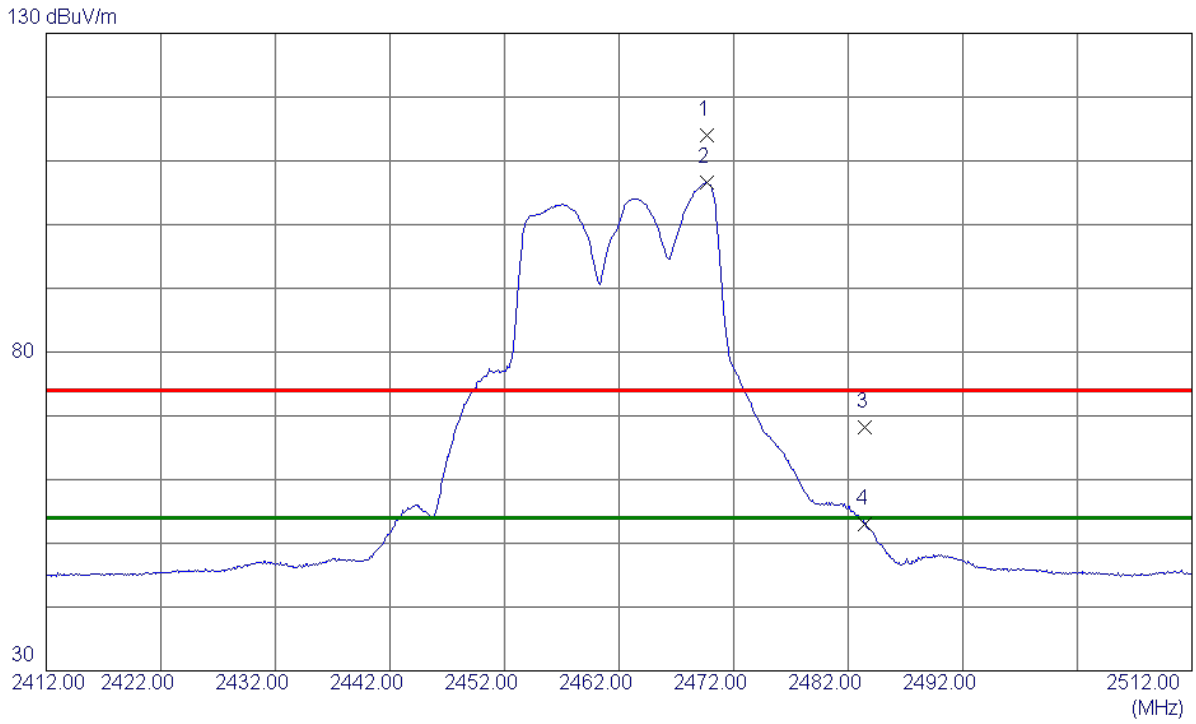
Test Mode	TX G Mode 2457 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4913.0500	47.99	2.68	50.67	74.00	-23.33	Peak	
2 *	4913.5500	37.22	2.69	39.91	54.00	-14.09	AVG	

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

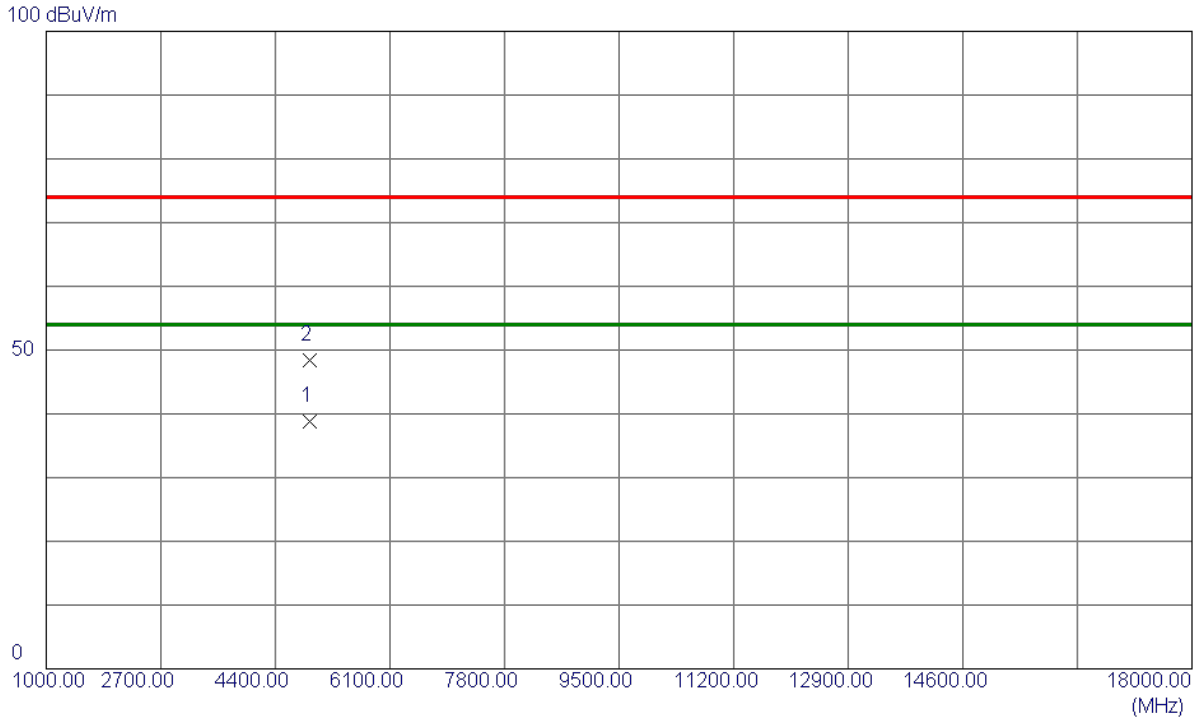
Test Mode	TX G Mode 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2469.7000	107.13	6.90	114.03	74.00	40.03	Peak	No Limit
2 *	2469.7000	99.64	6.90	106.54	54.00	52.54	AVG	No Limit
3	2483.5000	61.33	6.93	68.26	74.00	-5.74	Peak	
4	2483.5000	46.15	6.93	53.08	54.00	-0.92	AVG	

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

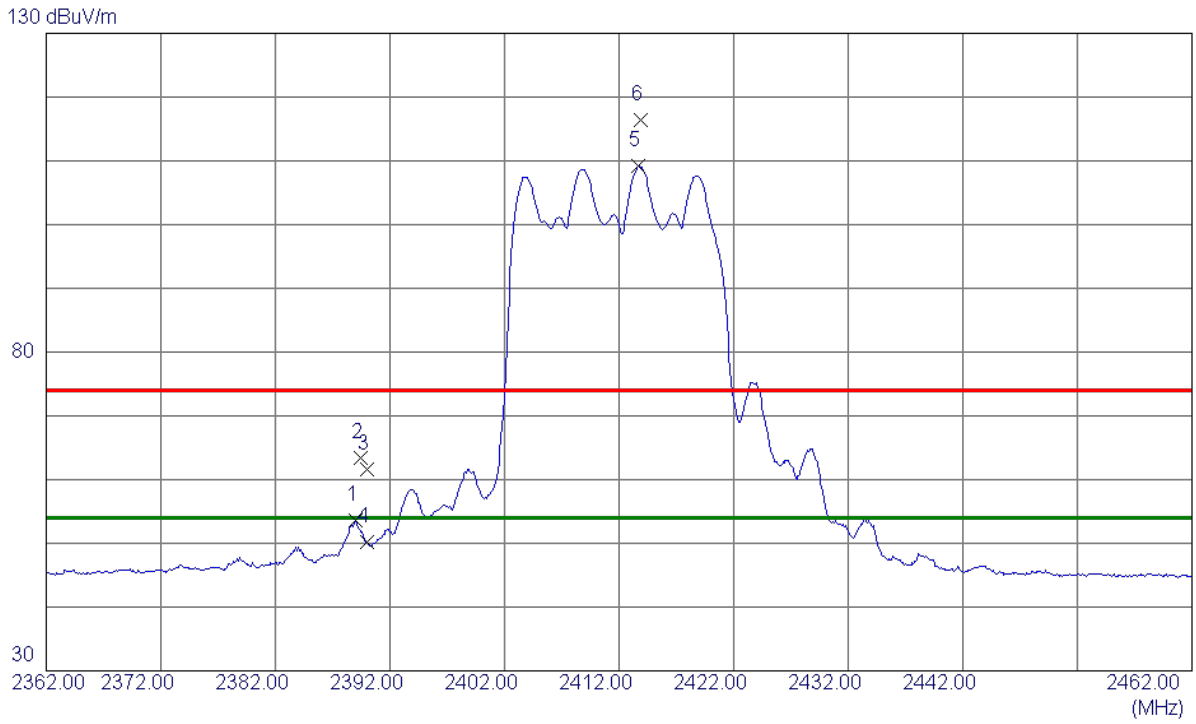
Test Mode	TX G Mode 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4918.0500	36.06	2.69	38.75	54.00	-15.25	AVG	
2	4919.0000	45.64	2.69	48.33	74.00	-25.67	Peak	

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

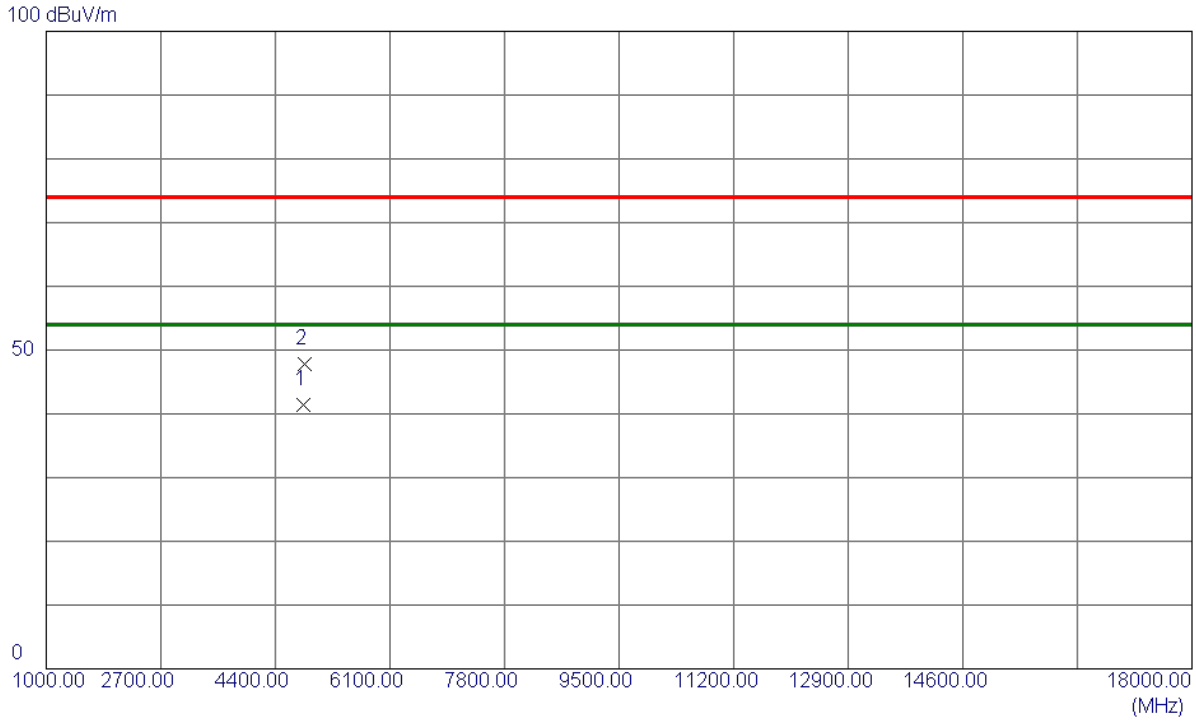
Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389.0000	46.91	6.75	53.66	54.00	-0.34	AVG	
2	2389.4000	56.73	6.75	63.48	74.00	-10.52	Peak	
3	2390.0000	54.93	6.75	61.68	74.00	-12.32	Peak	
4	2390.0000	43.45	6.75	50.20	54.00	-3.80	AVG	
5 *	2413.7000	102.39	6.80	109.19	54.00	55.19	AVG	No Limit
6	2413.9000	109.68	6.80	116.48	74.00	42.48	Peak	No Limit

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

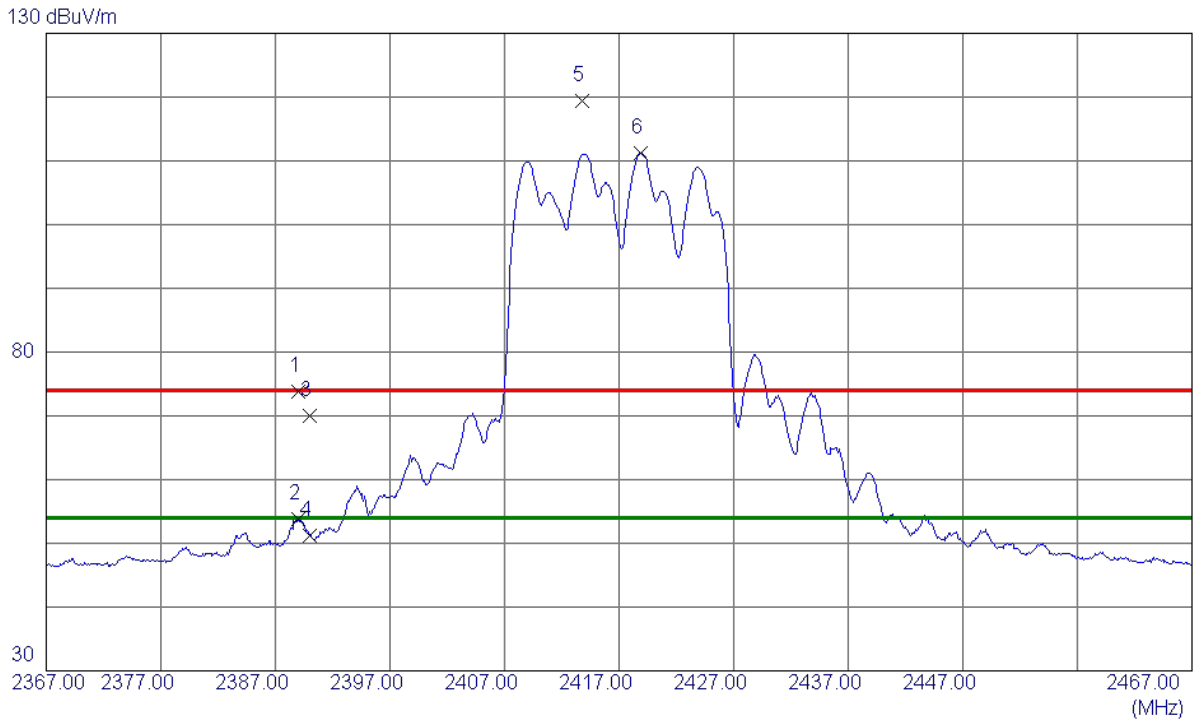
Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.1500	38.79	2.64	41.43	54.00	-12.57	AVG	
2	4825.1500	45.22	2.64	47.86	74.00	-26.14	Peak	

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

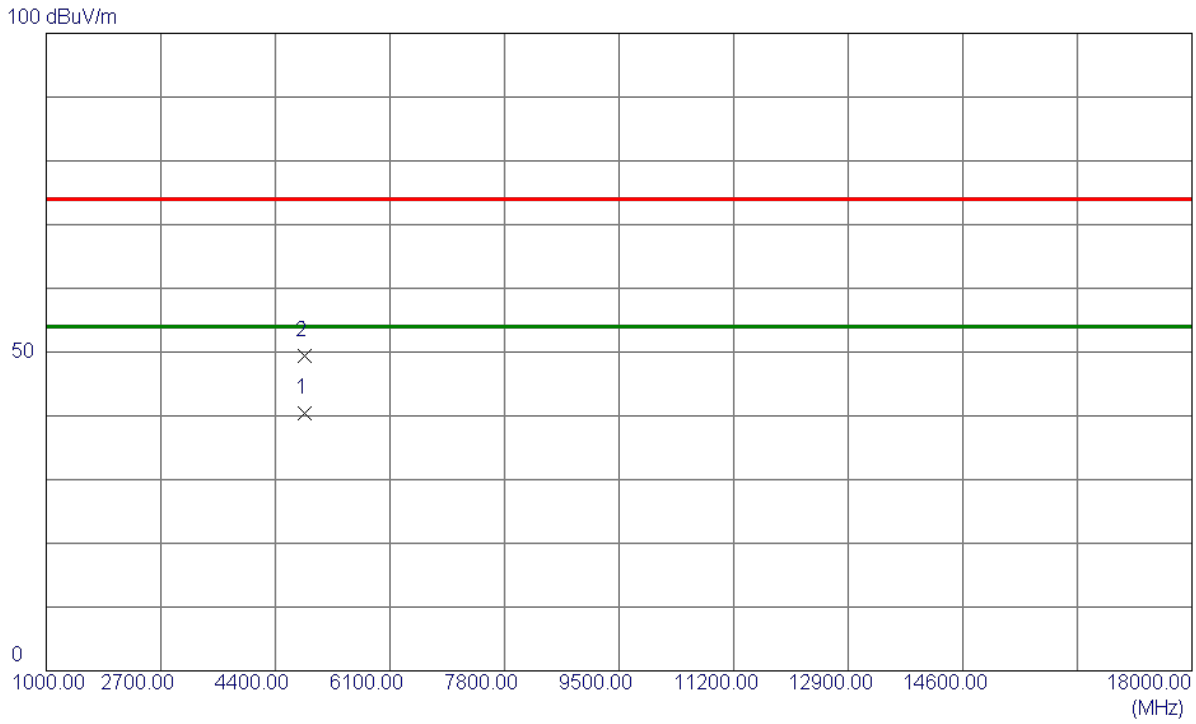
Test Mode	TX N(HT20) Mode 2417 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389.0000	67.07	6.75	73.82	74.00	-0.18	Peak	
2	2389.0000	47.12	6.75	53.87	54.00	-0.13	AVG	
3	2390.0000	63.33	6.75	70.08	74.00	-3.92	Peak	
4	2390.0000	44.42	6.75	51.17	54.00	-2.83	AVG	
5	2413.8000	112.61	6.80	119.41	74.00	45.41	Peak	No Limit
6 *	2418.9000	104.47	6.81	111.28	54.00	57.28	AVG	No Limit

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

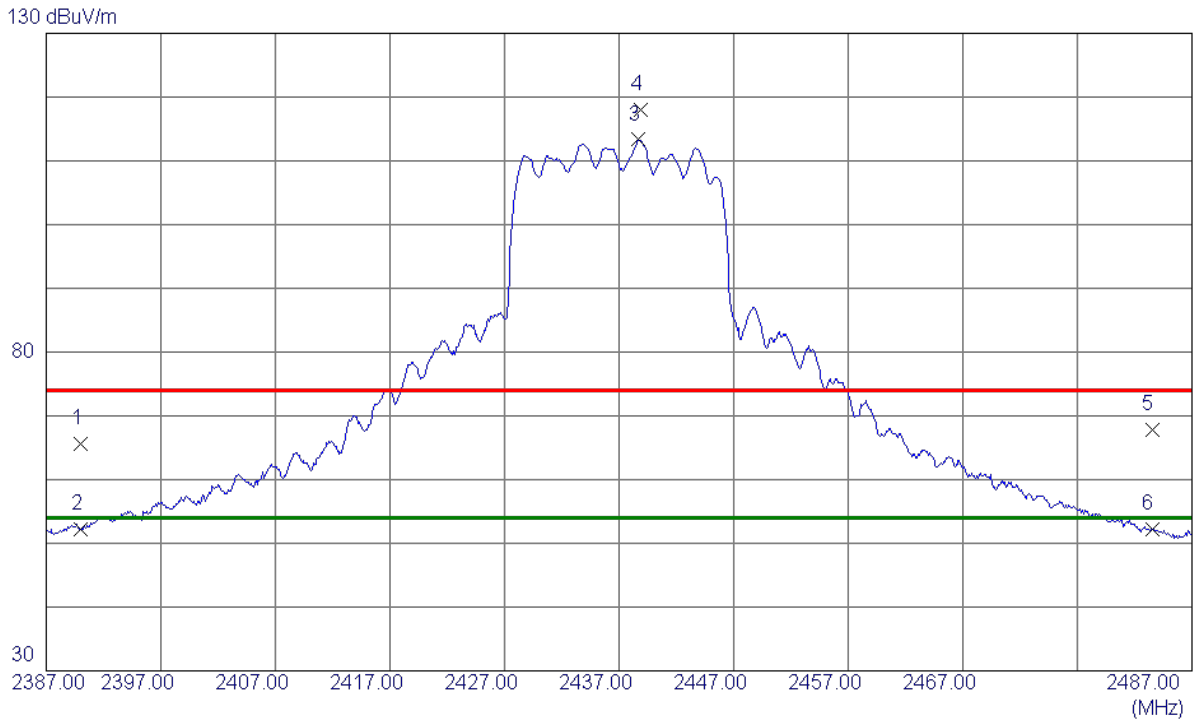
Test Mode	TX N(HT20) Mode 2417 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4834.1500	37.85	2.64	40.49	54.00	-13.51	AVG	
2	4838.8500	46.71	2.65	49.36	74.00	-24.64	Peak	

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

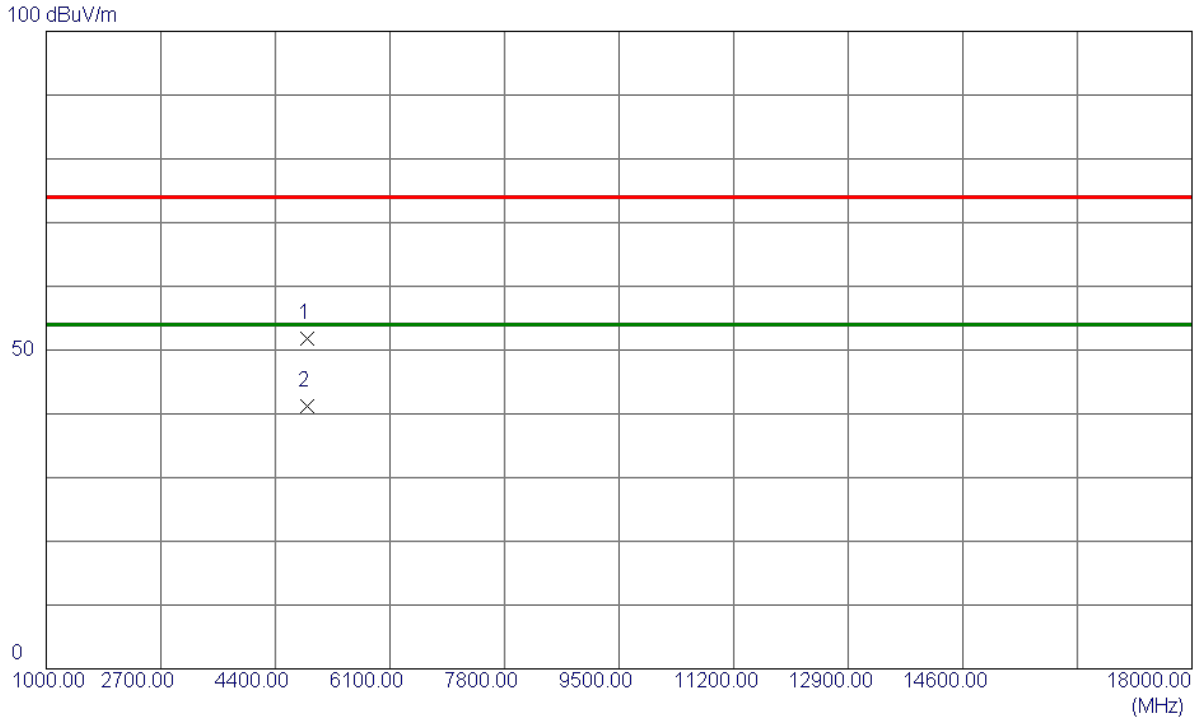
Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	58.91	6.75	65.66	74.00	-8.34	Peak	
2	2390.0000	45.39	6.75	52.14	54.00	-1.86	AVG	
3 *	2438.7000	106.46	6.84	113.30	54.00	59.30	AVG	No Limit
4	2438.9000	111.13	6.85	117.98	74.00	43.98	Peak	No Limit
5	2483.5000	60.93	6.93	67.86	74.00	-6.14	Peak	
6	2483.5000	45.22	6.93	52.15	54.00	-1.85	AVG	

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

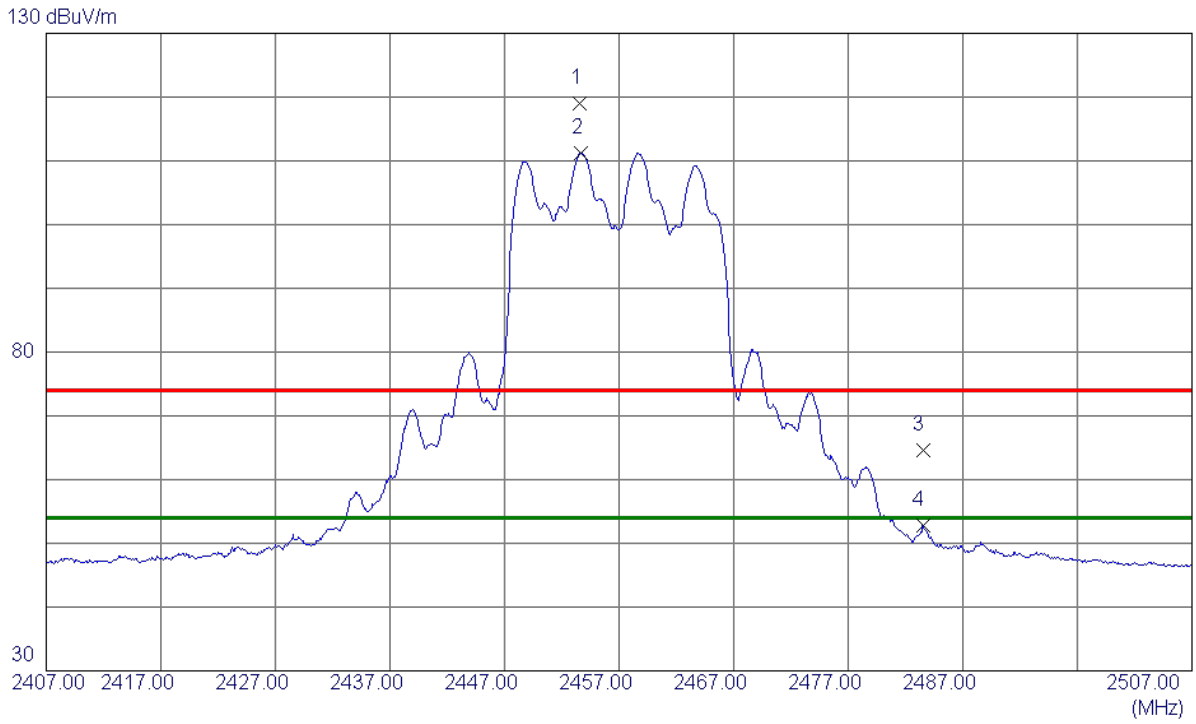
Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.6500	49.05	2.66	51.71	74.00	-22.29	Peak	
2 *	4873.6500	38.56	2.66	41.22	54.00	-12.78	AVG	

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

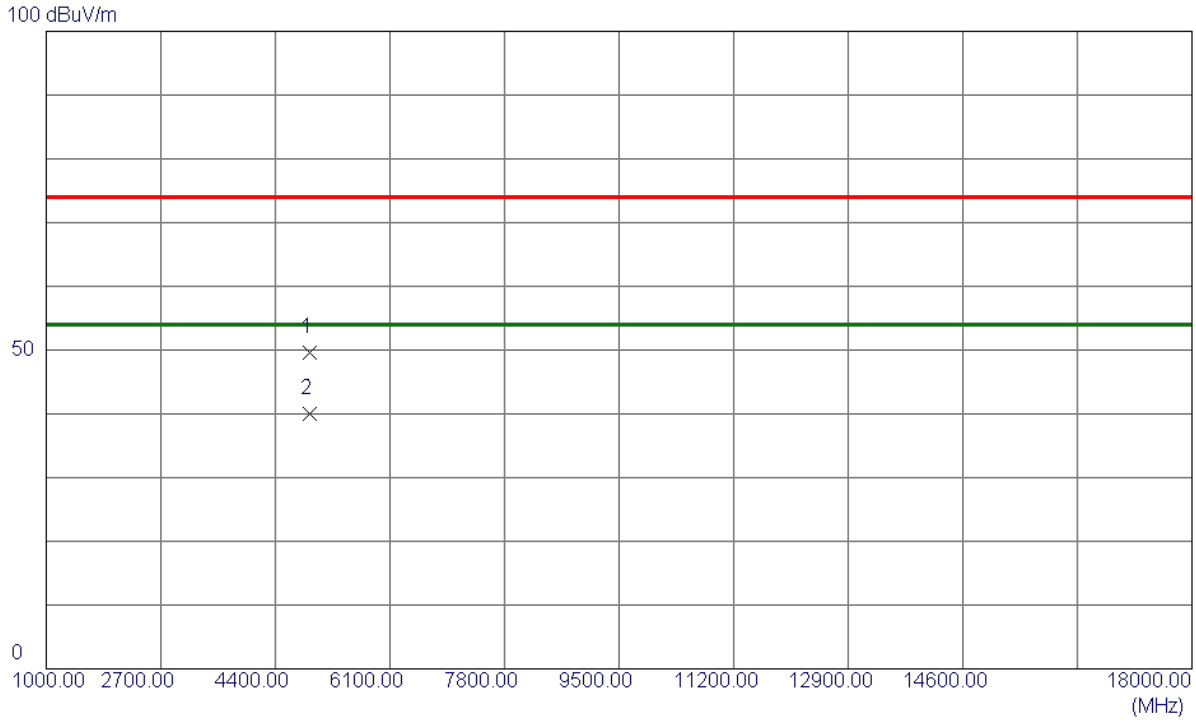
Test Mode	TX N(HT20) Mode 2457 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2453.6000	112.07	6.87	118.94	74.00	44.94	Peak	No Limit
2 *	2453.7000	104.40	6.87	111.27	54.00	57.27	AVG	No Limit
3	2483.5000	57.62	6.93	64.55	74.00	-9.45	Peak	
4	2483.5000	45.92	6.93	52.85	54.00	-1.15	AVG	

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

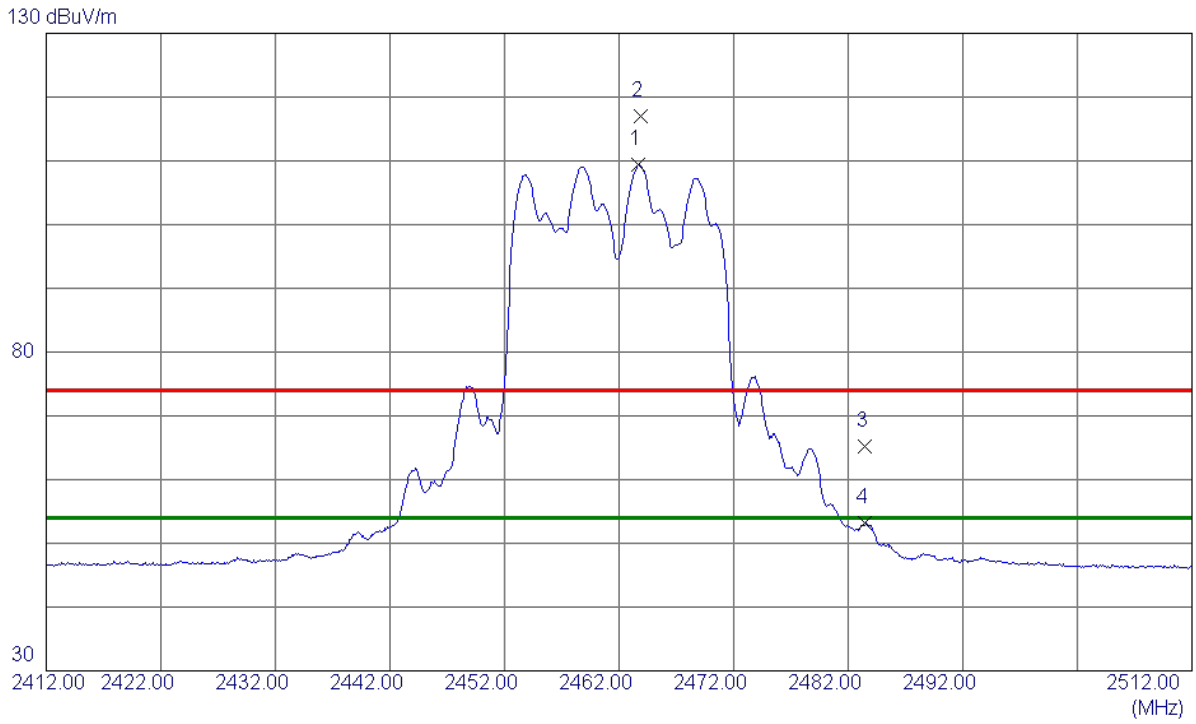
Test Mode	TX N(HT20) Mode 2457 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4908.1500	46.85	2.68	49.53	74.00	-24.47	Peak	
2 *	4913.4500	37.27	2.68	39.95	54.00	-14.05	AVG	

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

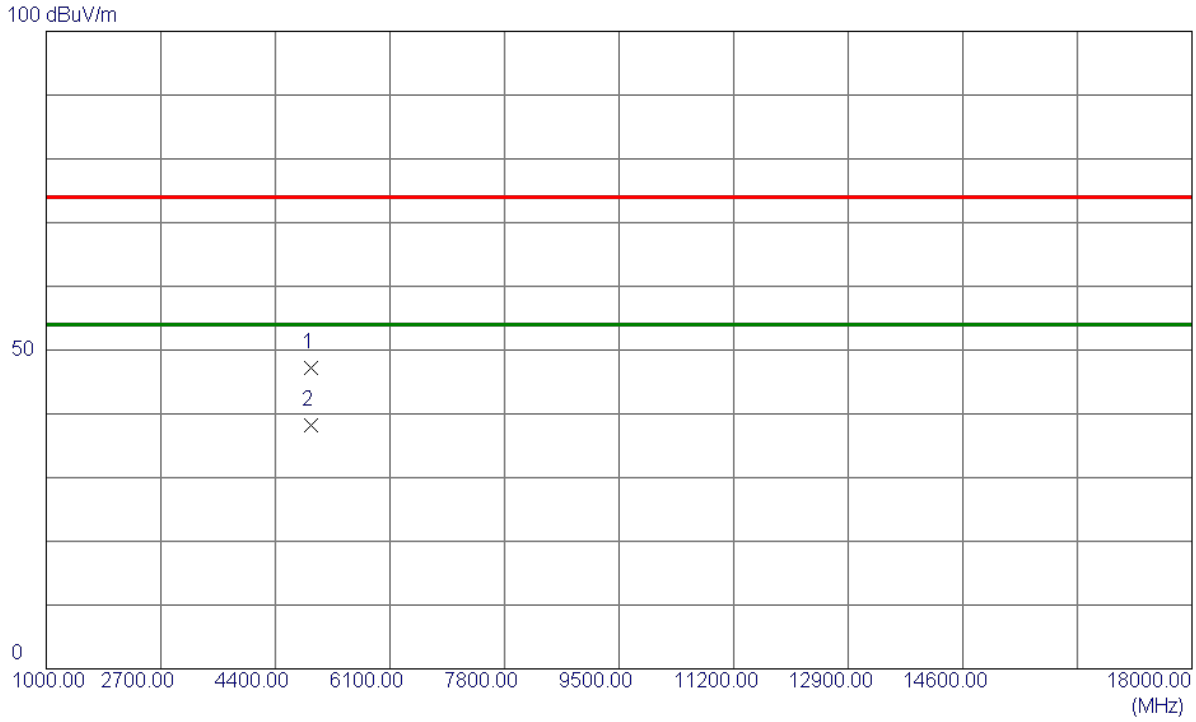
Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2463.7000	102.48	6.89	109.37	54.00	55.37	AVG	No Limit
2	2463.9000	110.05	6.89	116.94	74.00	42.94	Peak	No Limit
3	2483.5000	58.29	6.93	65.22	74.00	-8.78	Peak	
4	2483.5000	46.18	6.93	53.11	54.00	-0.89	AVG	

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

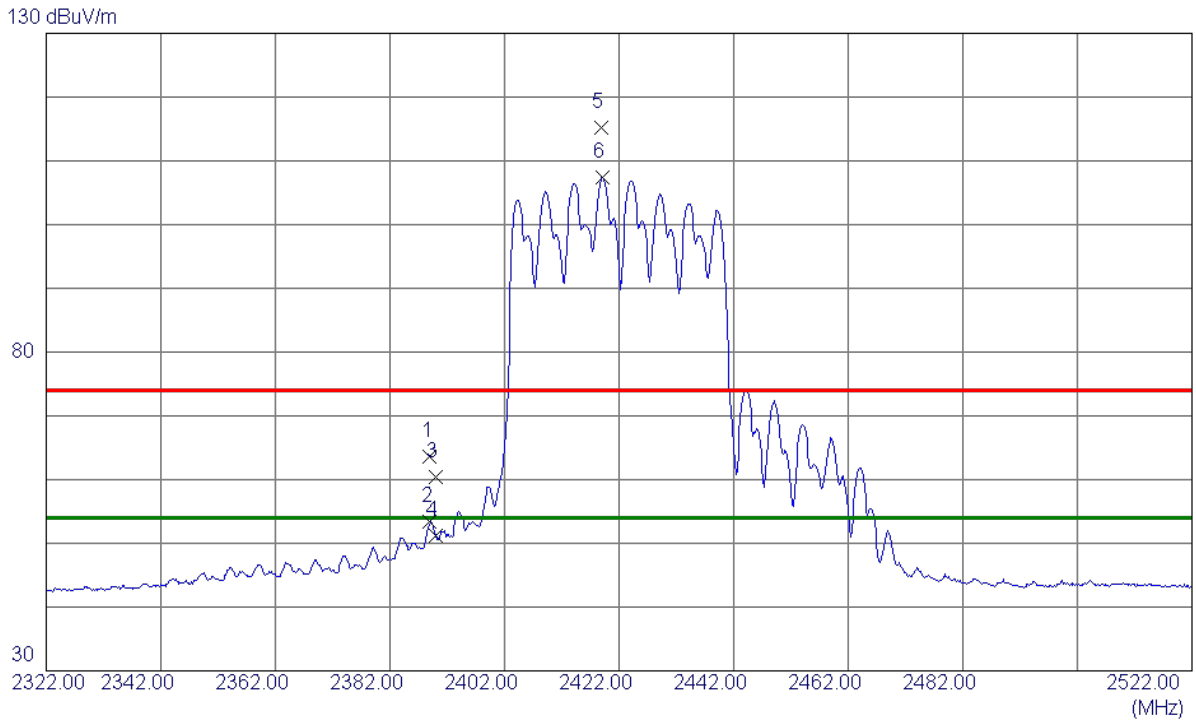
Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.3500	44.53	2.69	47.22	74.00	-26.78	Peak	
2 *	4923.3500	35.51	2.69	38.20	54.00	-15.80	AVG	

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

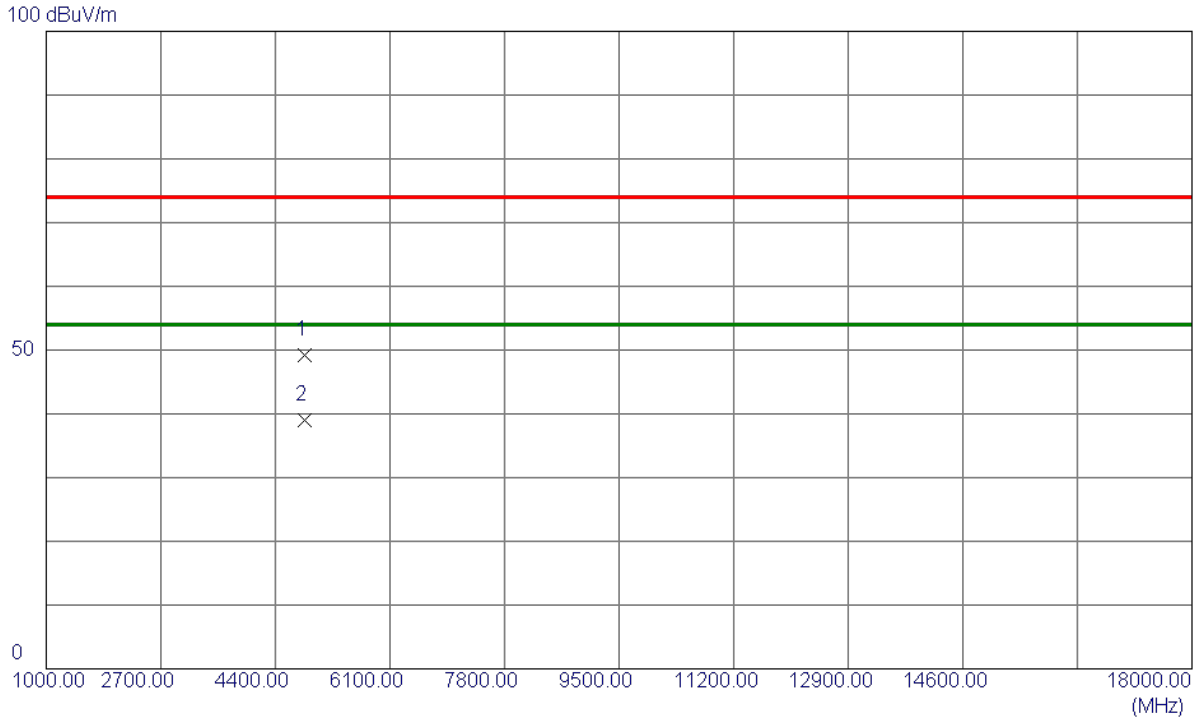
Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389.0000	56.90	6.75	63.65	74.00	-10.35	Peak	
2	2389.0000	46.72	6.75	53.47	54.00	-0.53	AVG	
3	2390.0000	53.61	6.75	60.36	74.00	-13.64	Peak	
4	2390.0000	44.40	6.75	51.15	54.00	-2.85	AVG	
5	2418.8000	108.48	6.81	115.29	74.00	41.29	Peak	No Limit
6 *	2419.2000	100.61	6.81	107.42	54.00	53.42	AVG	No Limit

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

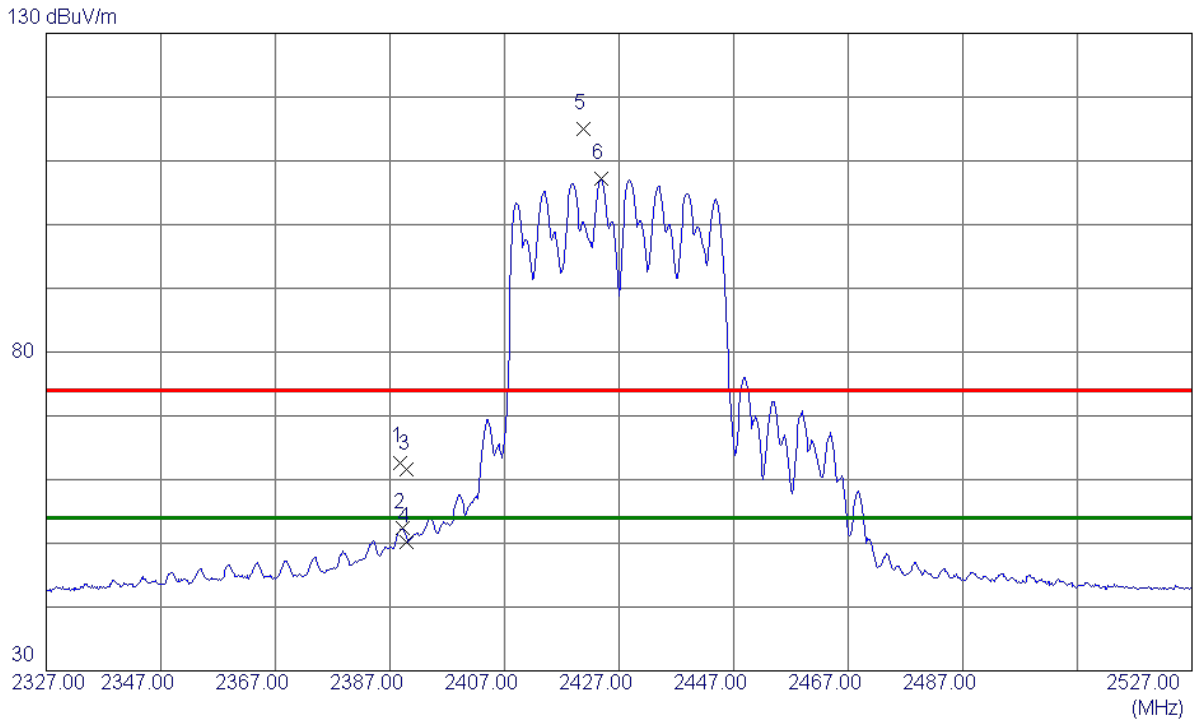
Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4843.7500	46.53	2.65	49.18	74.00	-24.82	Peak	
2 *	4843.7500	36.43	2.65	39.08	54.00	-14.92	AVG	

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

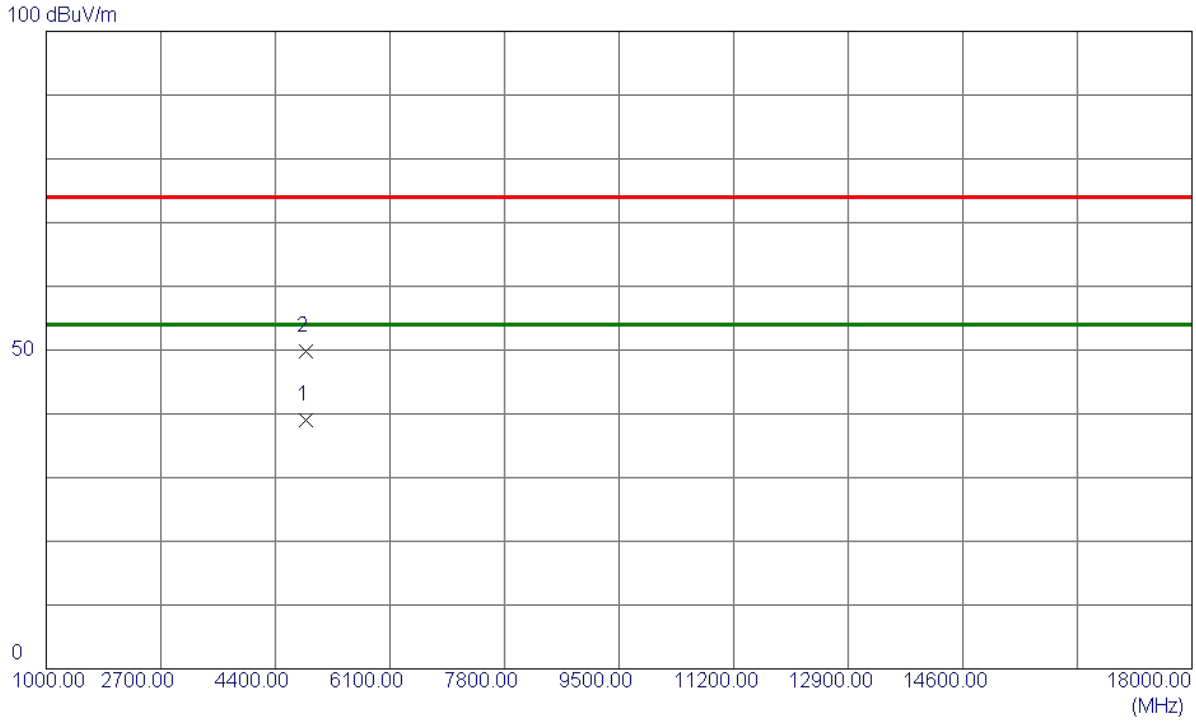
Test Mode	TX N(HT40) Mode 2427 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2388.8000	55.95	6.75	62.70	74.00	-11.30	Peak	
2	2389.2000	45.61	6.75	52.36	54.00	-1.64	AVG	
3	2390.0000	54.86	6.75	61.61	74.00	-12.39	Peak	
4	2390.0000	43.36	6.75	50.11	54.00	-3.89	AVG	
5	2420.8000	108.09	6.81	114.90	74.00	40.90	Peak	No Limit
6 *	2423.8000	100.32	6.82	107.14	54.00	53.14	AVG	No Limit

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

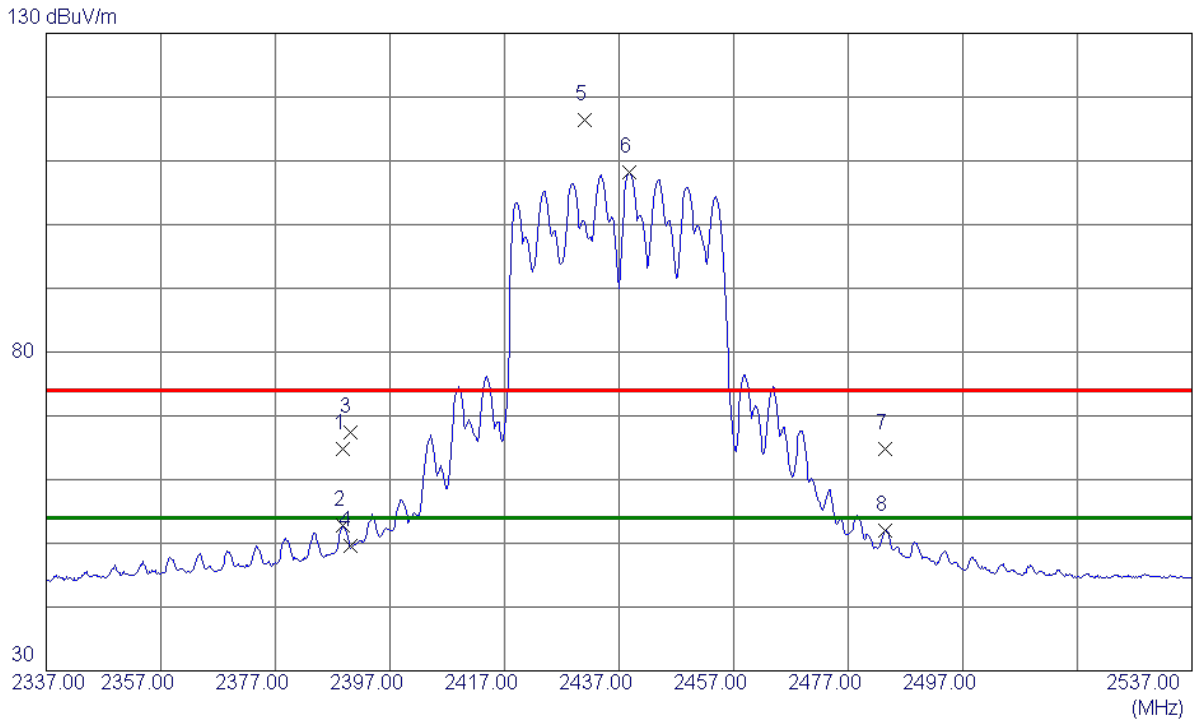
Test Mode	TX N(HT40) Mode 2427 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4854.1500	36.38	2.65	39.03	54.00	-14.97	AVG	
2	4855.1500	47.08	2.65	49.73	74.00	-24.27	Peak	

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

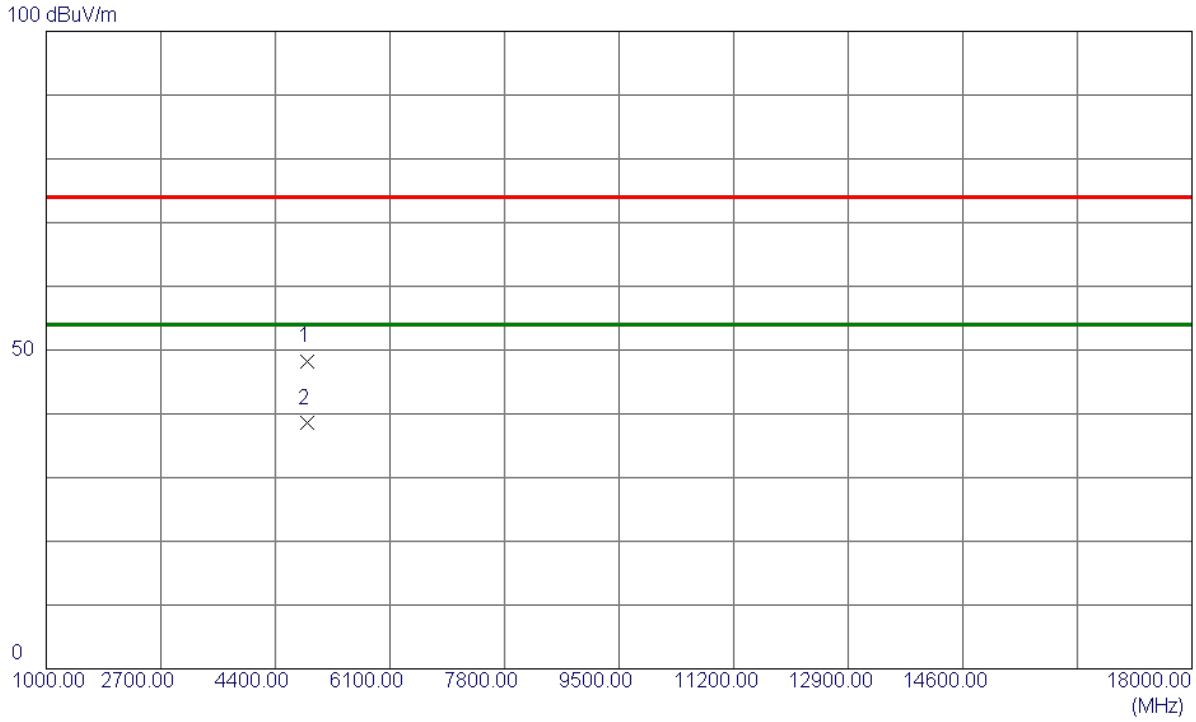
Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2388.8000	58.13	6.75	64.88	74.00	-9.12	Peak	
2	2388.8000	45.96	6.75	52.71	54.00	-1.29	AVG	
3	2390.0000	60.72	6.75	67.47	74.00	-6.53	Peak	
4	2390.0000	42.78	6.75	49.53	54.00	-4.47	AVG	
5	2431.0000	109.50	6.83	116.33	74.00	42.33	Peak	No Limit
6 *	2438.8000	101.34	6.84	108.18	54.00	54.18	AVG	No Limit
7	2483.5000	57.96	6.93	64.89	74.00	-9.11	Peak	
8	2483.5000	45.14	6.93	52.07	54.00	-1.93	AVG	

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

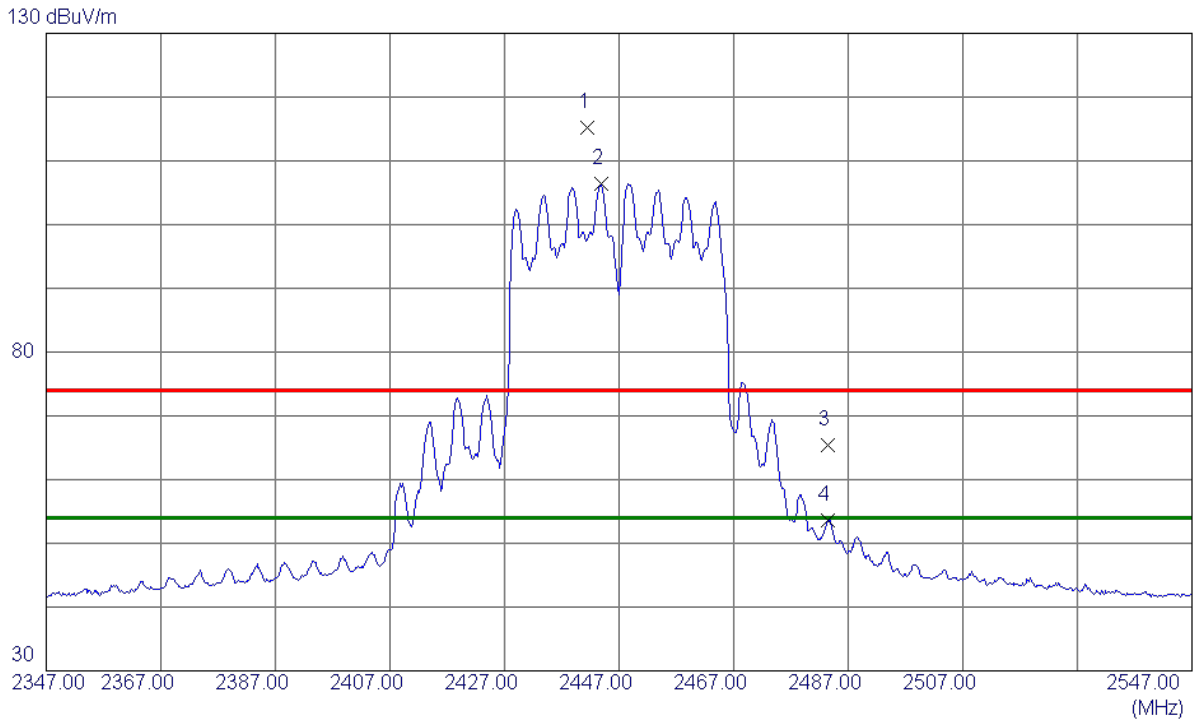
Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.5500	45.57	2.66	48.23	74.00	-25.77	Peak	
2 *	4873.5500	35.84	2.66	38.50	54.00	-15.50	AVG	

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

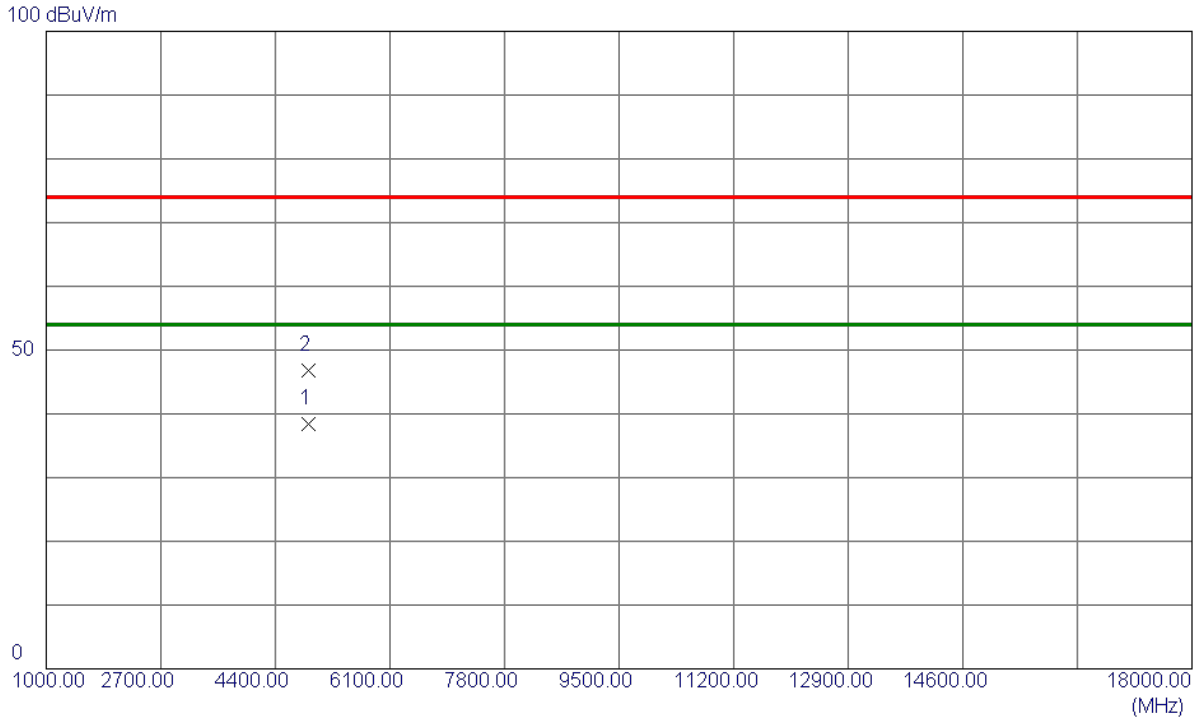
Test Mode	TX N(HT40) Mode 2447 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2441.4000	108.36	6.85	115.21	74.00	41.21	Peak	No Limit
2 *	2443.8000	99.47	6.85	106.32	54.00	52.32	AVG	No Limit
3	2483.5000	58.48	6.93	65.41	74.00	-8.59	Peak	
4	2483.5000	46.58	6.93	53.51	54.00	-0.49	AVG	

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

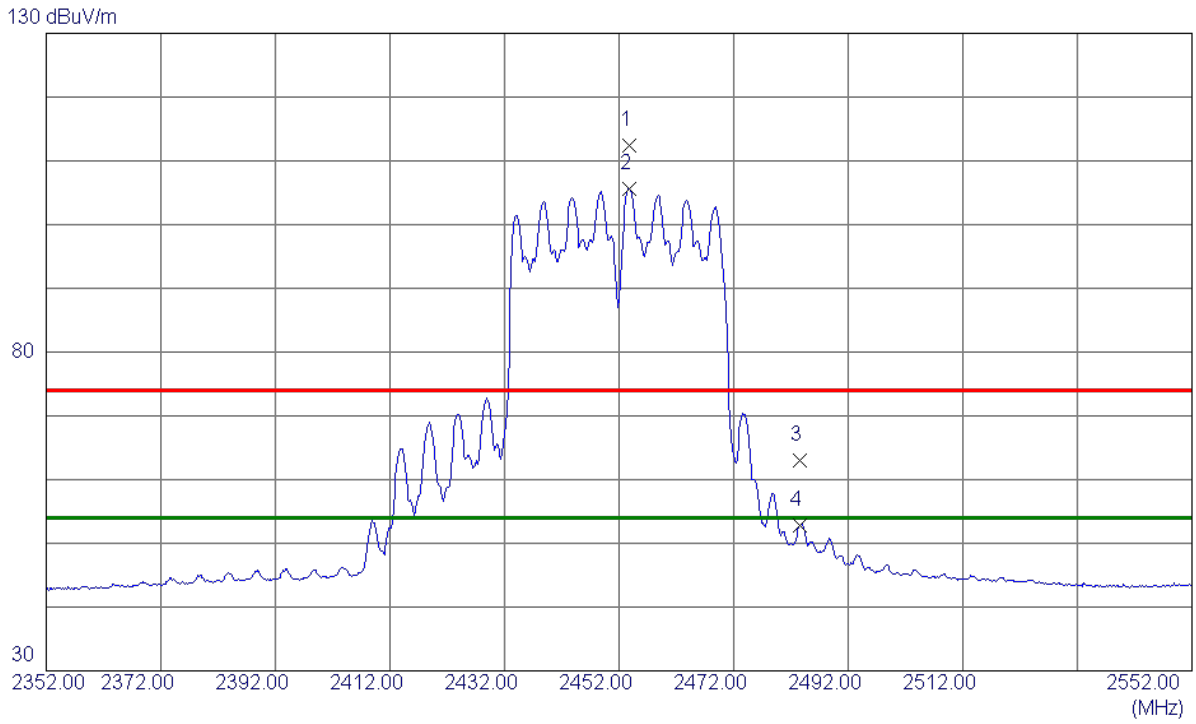
Test Mode	TX N(HT40) Mode 2447 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4893.5500	35.69	2.67	38.36	54.00	-15.64	AVG	
2	4893.9500	44.16	2.67	46.83	74.00	-27.17	Peak	

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

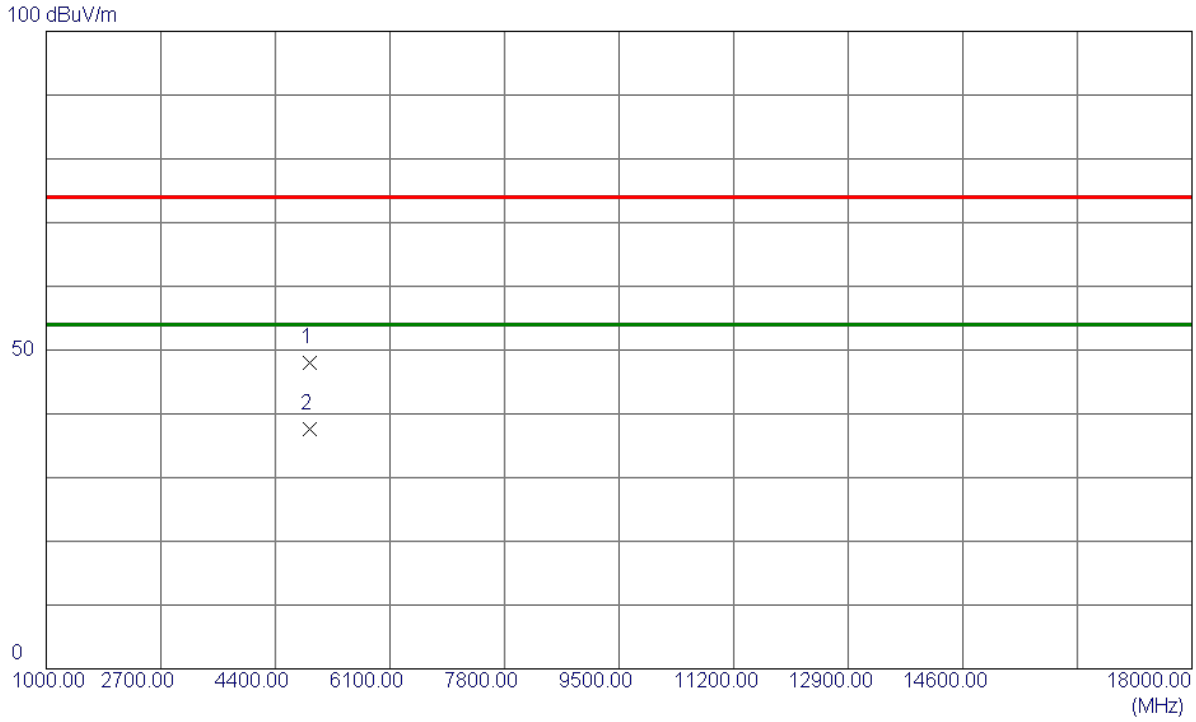
Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2453.8000	105.50	6.87	112.37	74.00	38.37	Peak	No Limit
2 *	2453.8000	98.77	6.87	105.64	54.00	51.64	AVG	No Limit
3	2483.5000	56.11	6.93	63.04	74.00	-10.96	Peak	
4	2483.5000	45.92	6.93	52.85	54.00	-1.15	AVG	

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

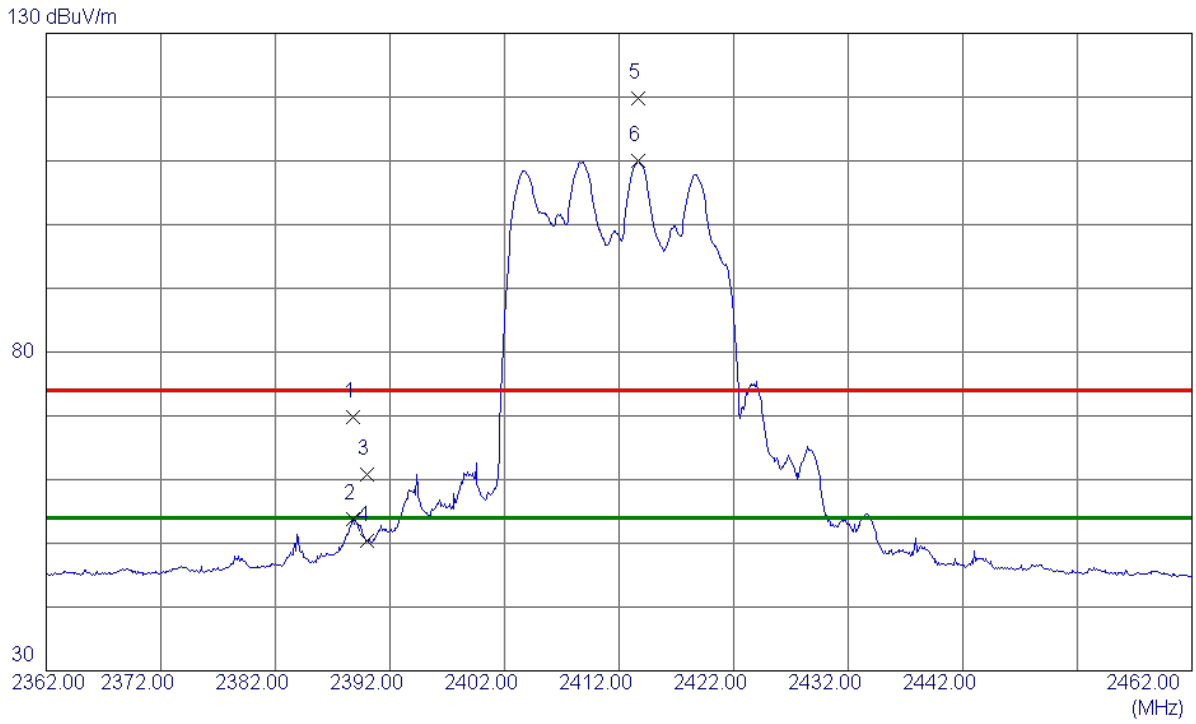
Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4903.3500	45.24	2.68	47.92	74.00	-26.08	Peak	
2 *	4903.5500	35.01	2.68	37.69	54.00	-16.31	AVG	

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

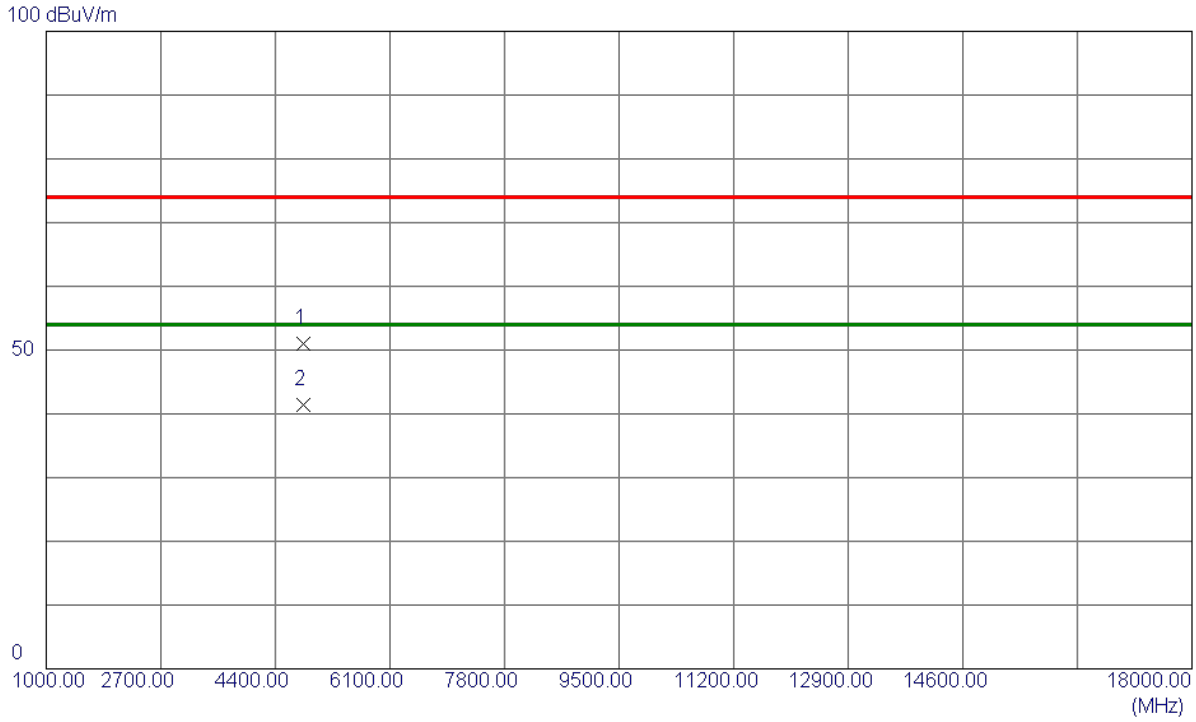
Test Mode	TX BE(EHT20) Mode 2412 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2388.8000	63.08	6.75	69.83	74.00	-4.17	Peak	
2	2388.8000	47.08	6.75	53.83	54.00	-0.17	AVG	
3	2390.0000	54.09	6.75	60.84	74.00	-13.16	Peak	
4	2390.0000	43.64	6.75	50.39	54.00	-3.61	AVG	
5	2413.7000	113.00	6.80	119.80	74.00	45.80	Peak	No Limit
6 *	2413.7000	103.16	6.80	109.96	54.00	55.96	AVG	No Limit

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

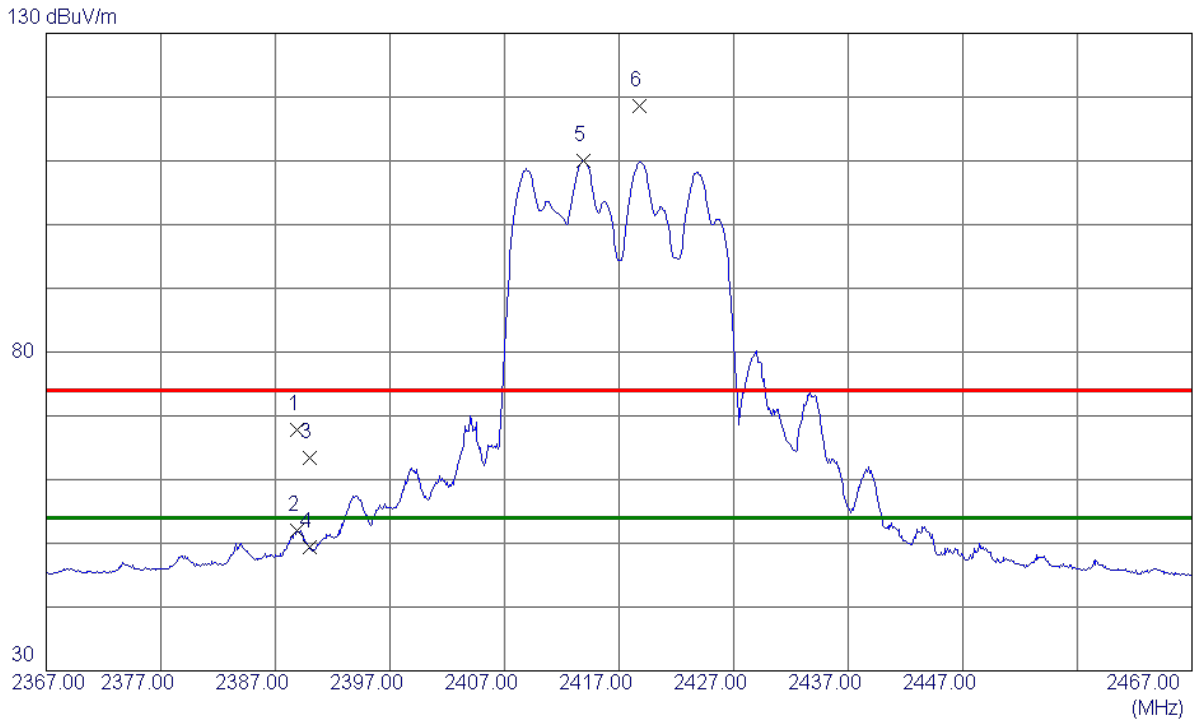
Test Mode	TX BE(EHT20) Mode 2412 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4819.1500	48.34	2.64	50.98	74.00	-23.02	Peak	
2 *	4823.7500	38.80	2.64	41.44	54.00	-12.56	AVG	

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

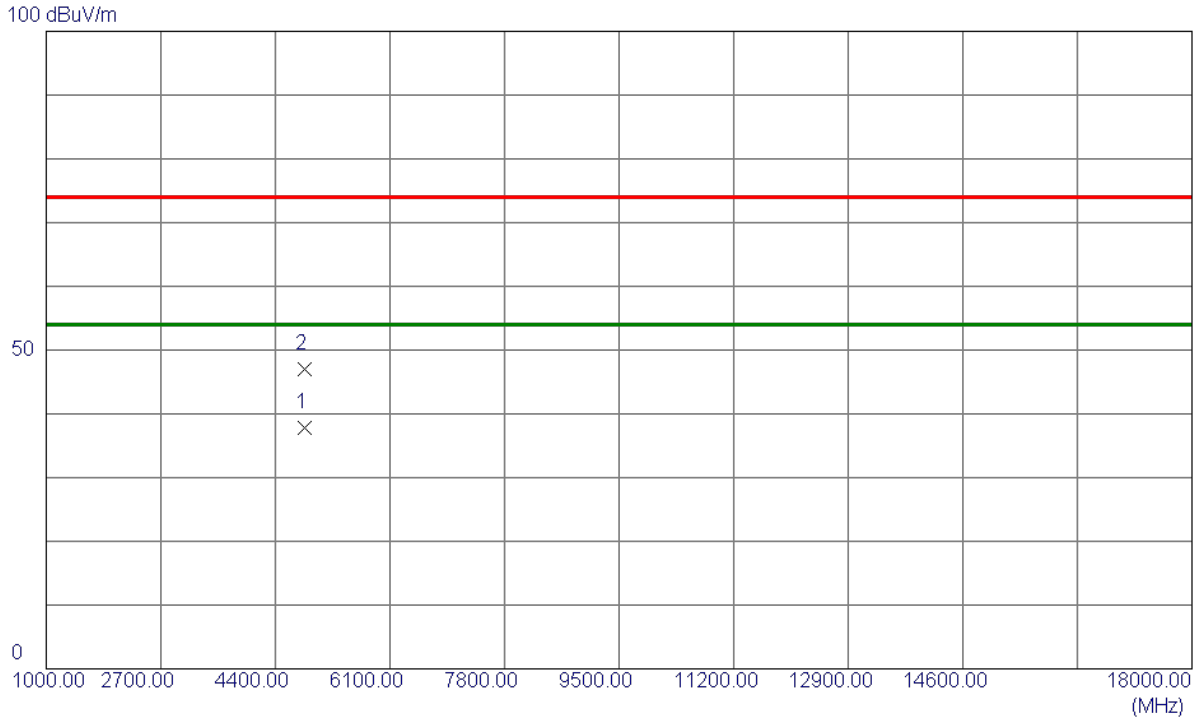
Test Mode	TX BE(EHT20) Mode 2417 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2388.9000	61.05	6.75	67.80	74.00	-6.20	Peak	
2	2388.9000	45.27	6.75	52.02	54.00	-1.98	AVG	
3	2390.0000	56.63	6.75	63.38	74.00	-10.62	Peak	
4	2390.0000	42.63	6.75	49.38	54.00	-4.62	AVG	
5 *	2413.9000	103.17	6.80	109.97	54.00	55.97	AVG	No Limit
6	2418.8000	111.73	6.81	118.54	74.00	44.54	Peak	No Limit

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

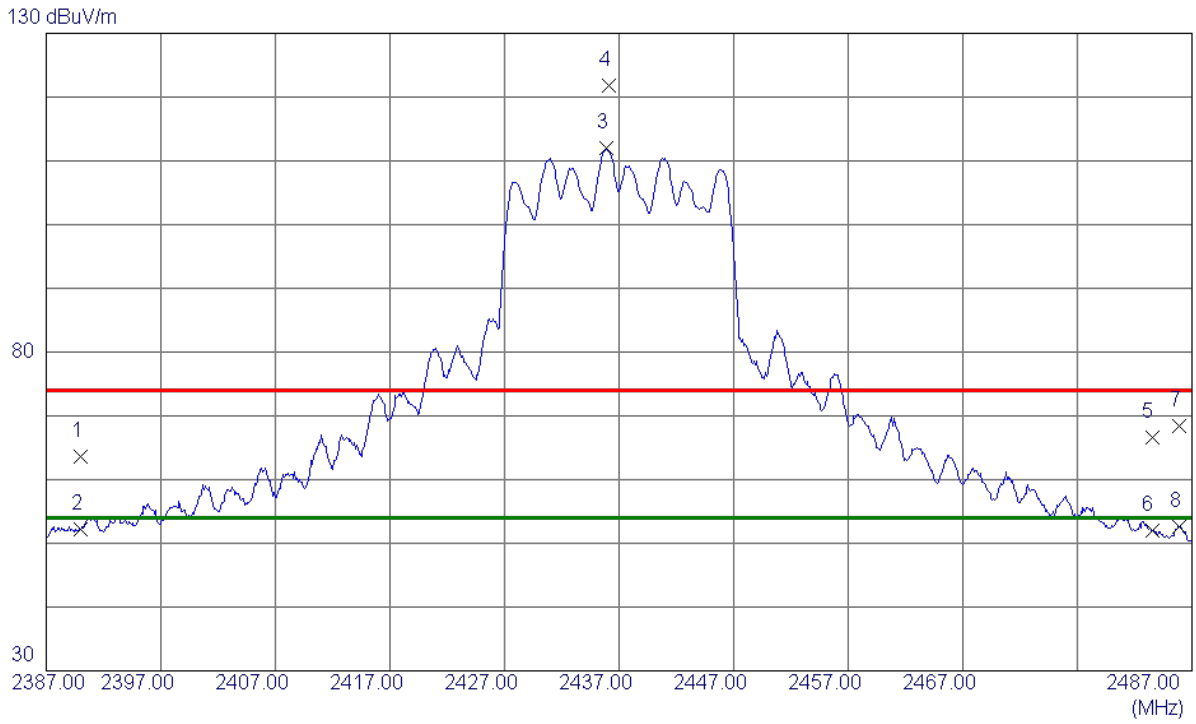
Test Mode	TX BE(EHT20) Mode 2417 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4833.8500	35.18	2.64	37.82	54.00	-16.18	AVG	
2	4835.1500	44.42	2.64	47.06	74.00	-26.94	Peak	

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

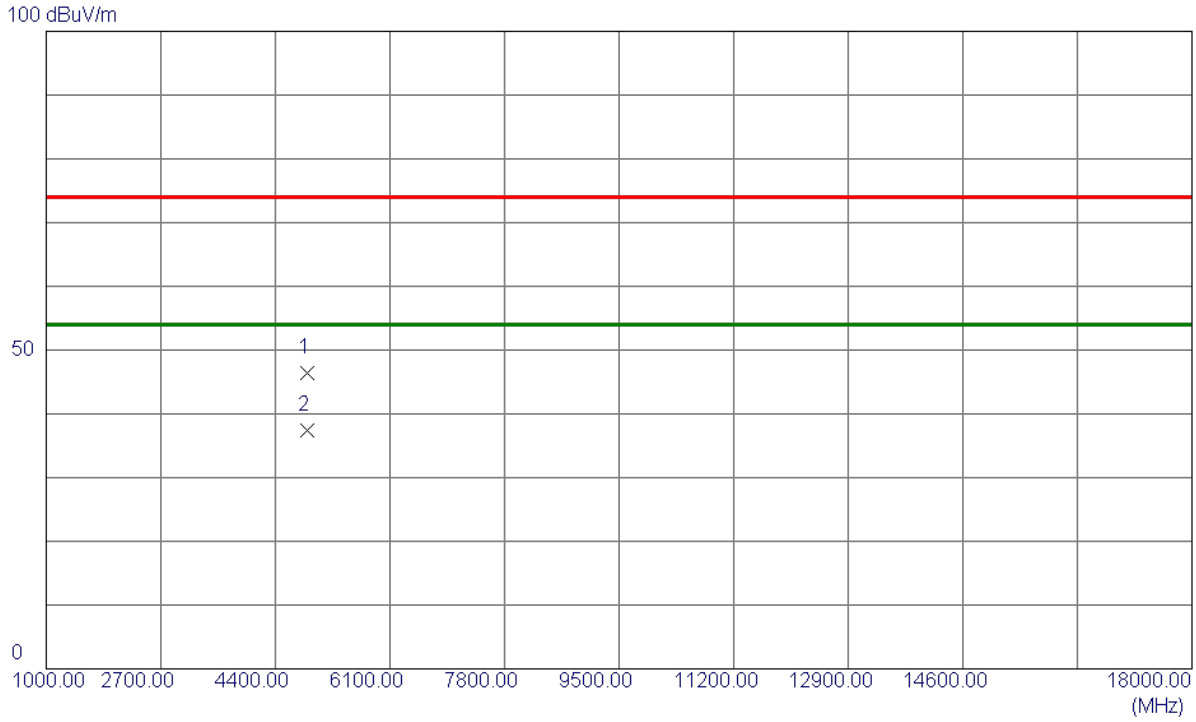
Test Mode	TX BE(EHT20) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	56.86	6.75	63.61	74.00	-10.39	Peak	
2	2390.0000	45.54	6.75	52.29	54.00	-1.71	AVG	
3 *	2435.9000	105.17	6.84	112.01	54.00	58.01	AVG	No Limit
4	2436.1000	115.05	6.84	121.89	74.00	47.89	Peak	No Limit
5	2483.5000	59.60	6.93	66.53	74.00	-7.47	Peak	
6	2483.5000	45.00	6.93	51.93	54.00	-2.07	AVG	
7	2485.9000	61.43	6.93	68.36	74.00	-5.64	Peak	
8	2485.9000	45.74	6.93	52.67	54.00	-1.33	AVG	

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

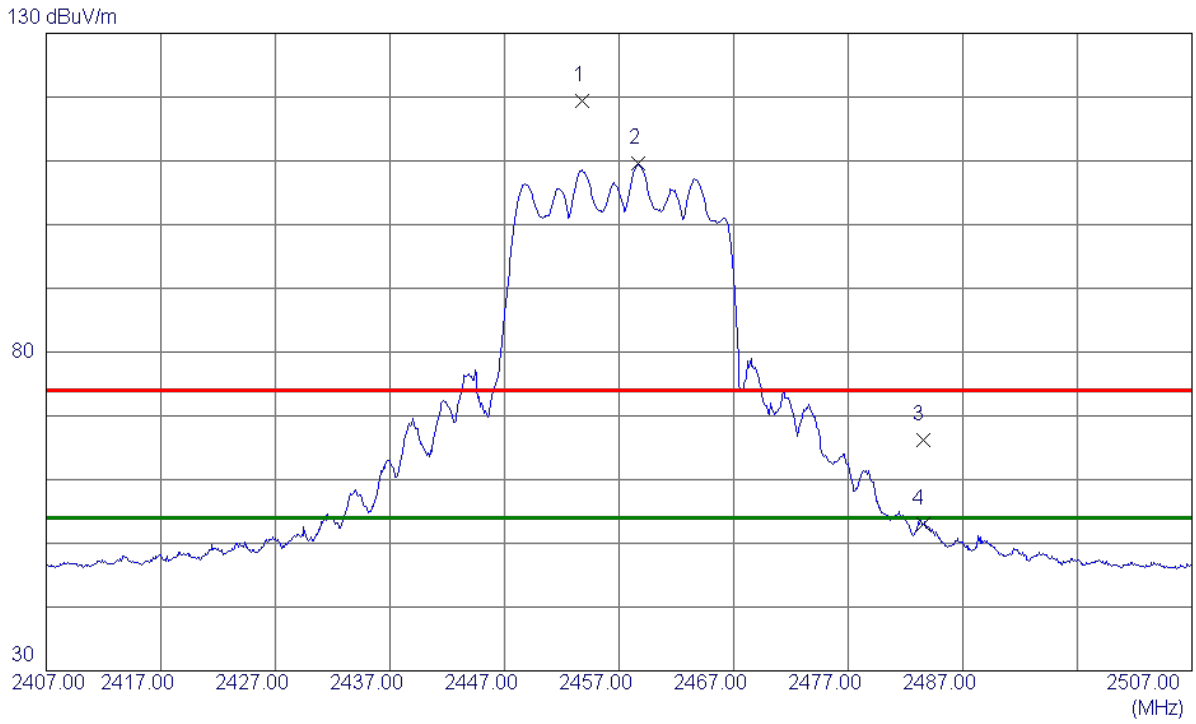
Test Mode	TX BE(EHT20) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4872.8500	43.81	2.66	46.47	74.00	-27.53	Peak	
2 *	4873.9500	34.80	2.66	37.46	54.00	-16.54	AVG	

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

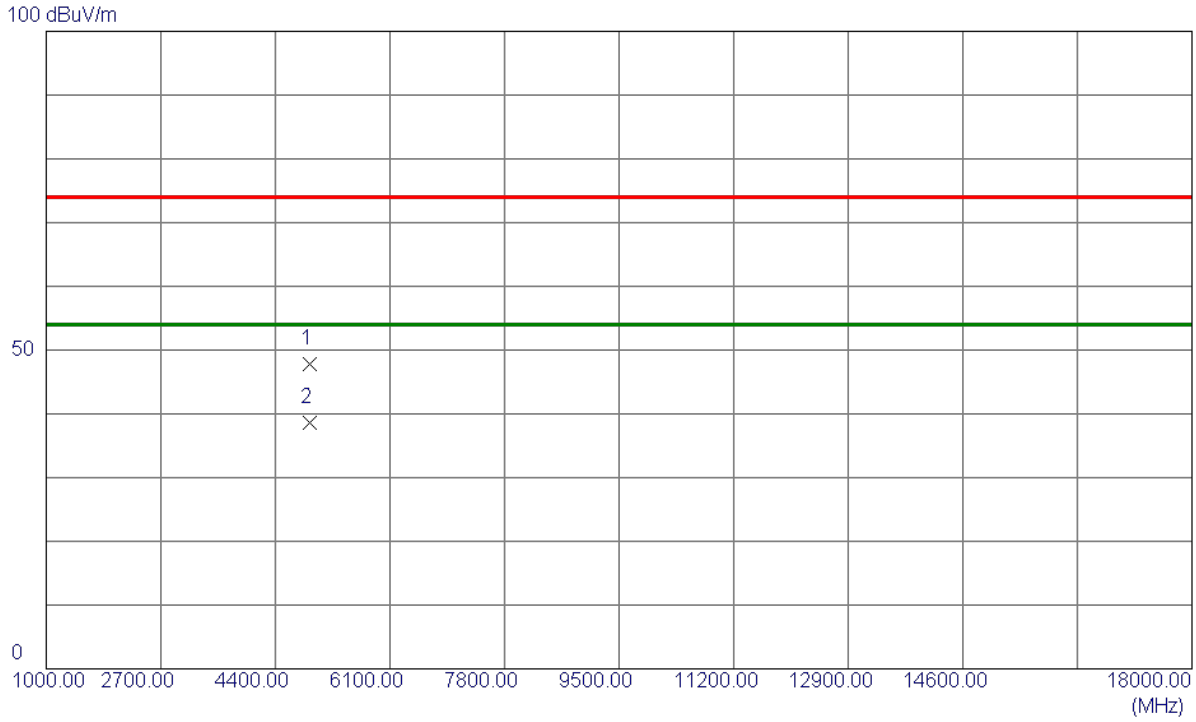
Test Mode	TX BE(EHT20) Mode 2457 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2453.8000	112.46	6.87	119.33	74.00	45.33	Peak	No Limit
2 *	2458.7000	102.68	6.88	109.56	54.00	55.56	AVG	No Limit
3	2483.5000	59.33	6.93	66.26	74.00	-7.74	Peak	
4	2483.5000	46.00	6.93	52.93	54.00	-1.07	AVG	

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

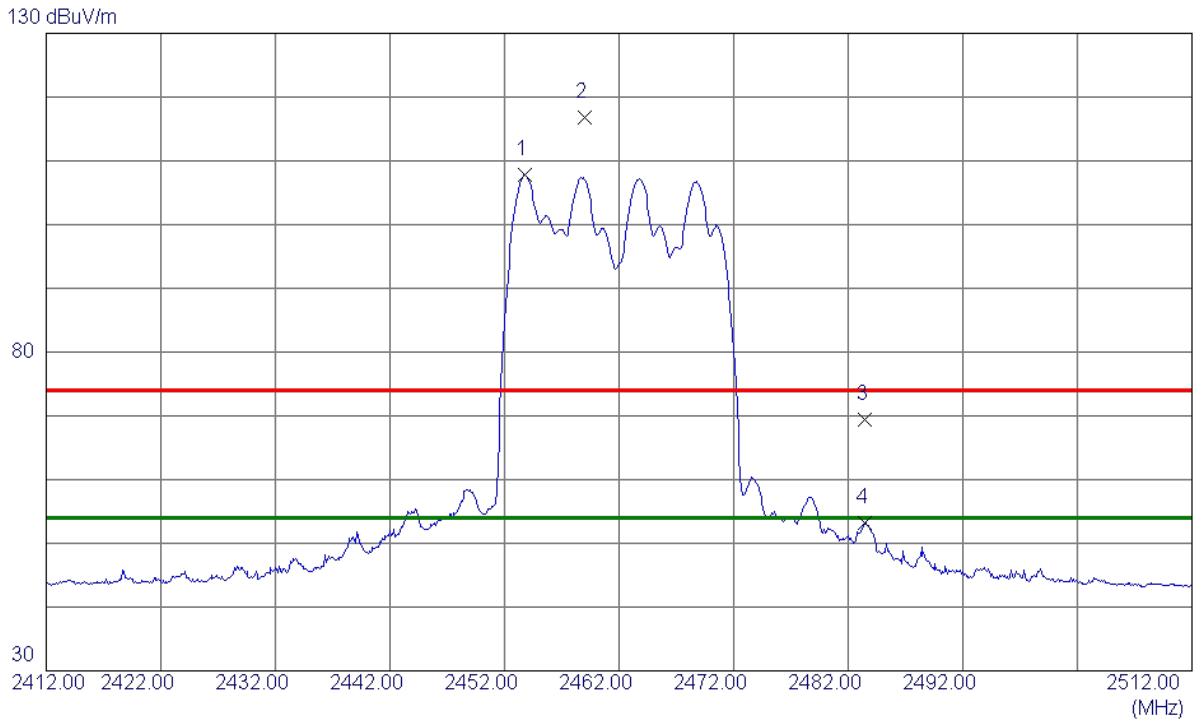
Test Mode	TX BE(EHT20) Mode 2457 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4910.7500	45.12	2.68	47.80	74.00	-26.20	Peak	
2 *	4916.2500	35.95	2.69	38.64	54.00	-15.36	AVG	

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

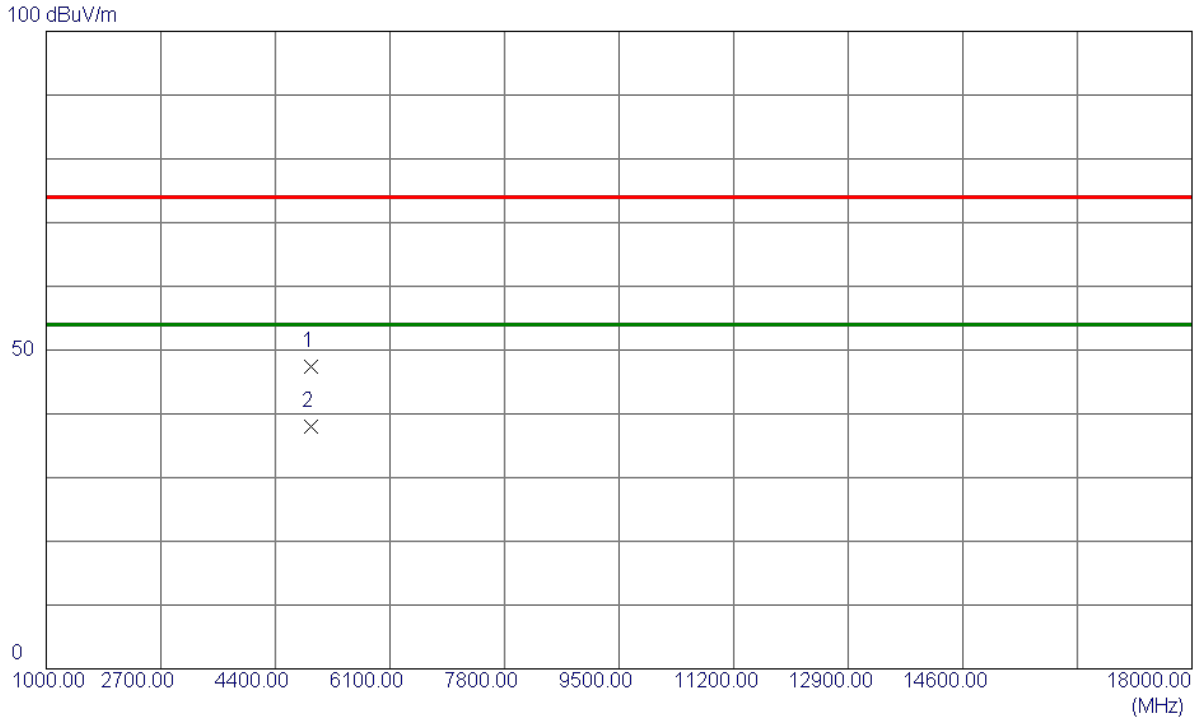
Test Mode	TX BE(EHT20) Mode 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2453.8000	100.88	6.87	107.75	54.00	53.75	AVG	No Limit
2	2459.0000	109.86	6.88	116.74	74.00	42.74	Peak	No Limit
3	2483.5000	62.47	6.93	69.40	74.00	-4.60	Peak	
4	2483.5000	46.19	6.93	53.12	54.00	-0.88	AVG	

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

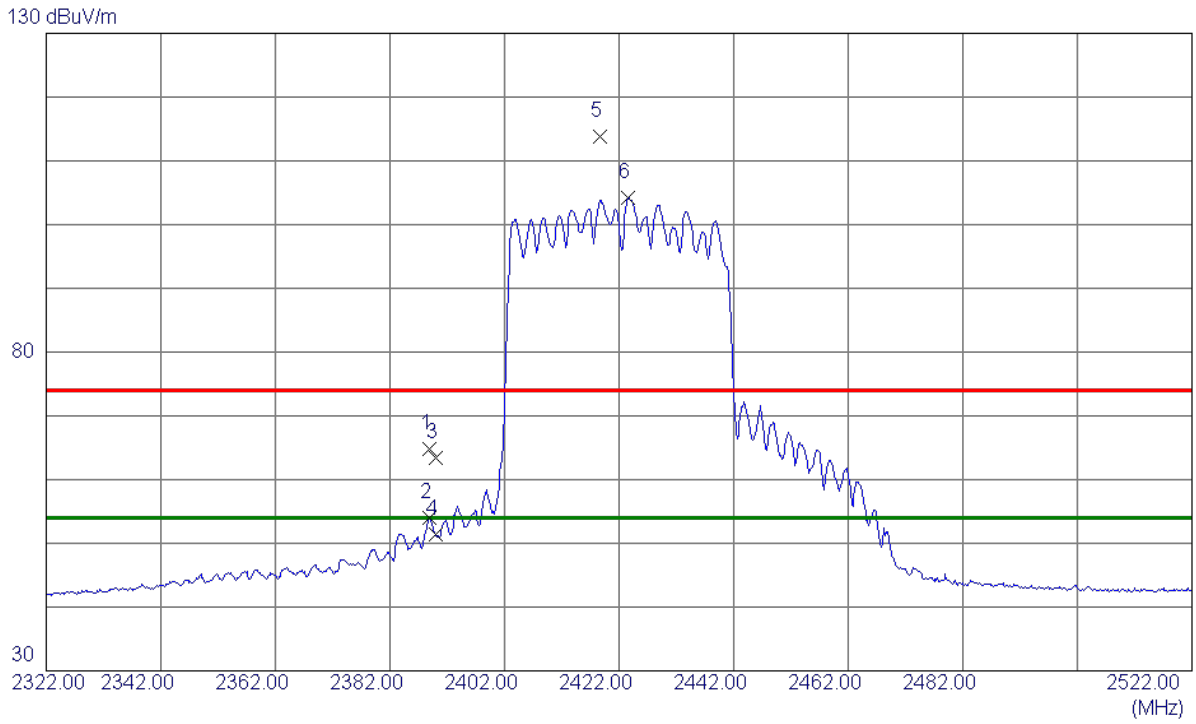
Test Mode	TX BE(EHT20) Mode 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.3500	44.66	2.69	47.35	74.00	-26.65	Peak	
2 *	4923.3500	35.26	2.69	37.95	54.00	-16.05	AVG	

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

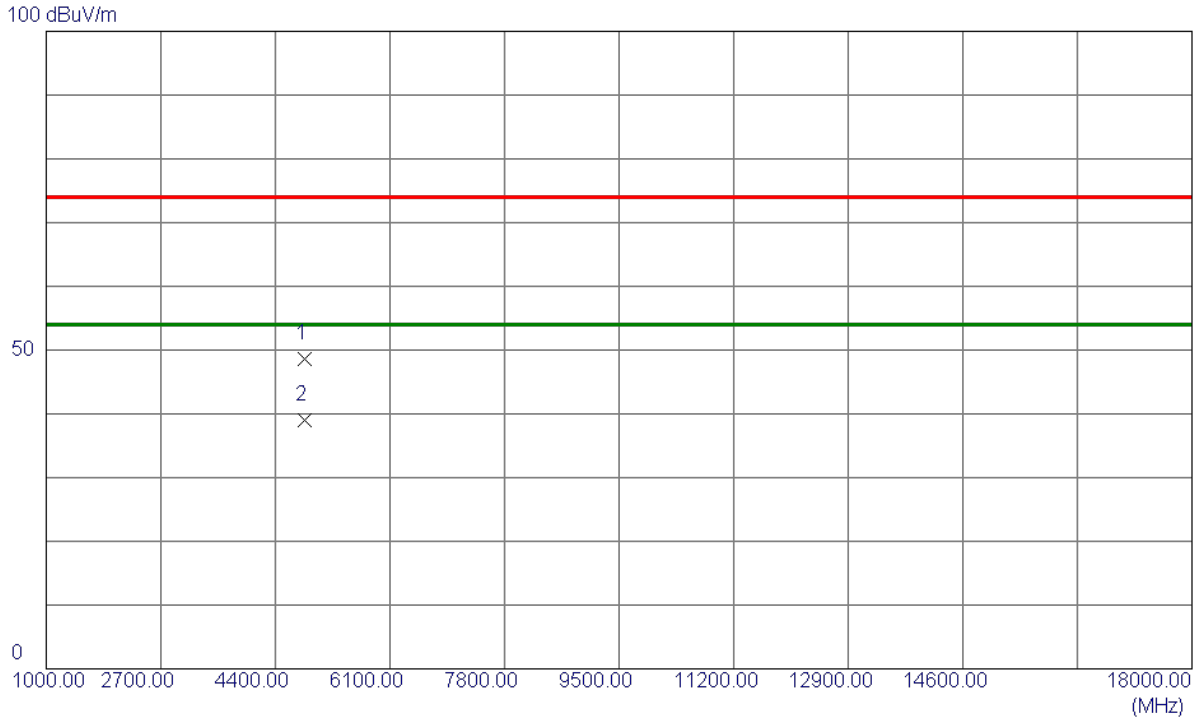
Test Mode	TX BE(EHT40) Mode 2422 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2388.8000	58.13	6.75	64.88	74.00	-9.12	Peak	
2	2388.8000	47.22	6.75	53.97	54.00	-0.03	AVG	
3	2390.0000	56.57	6.75	63.32	74.00	-10.68	Peak	
4	2390.0000	44.66	6.75	51.41	54.00	-2.59	AVG	
5	2418.6000	107.03	6.81	113.84	74.00	39.84	Peak	No Limit
6 *	2423.6000	97.45	6.82	104.27	54.00	50.27	AVG	No Limit

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

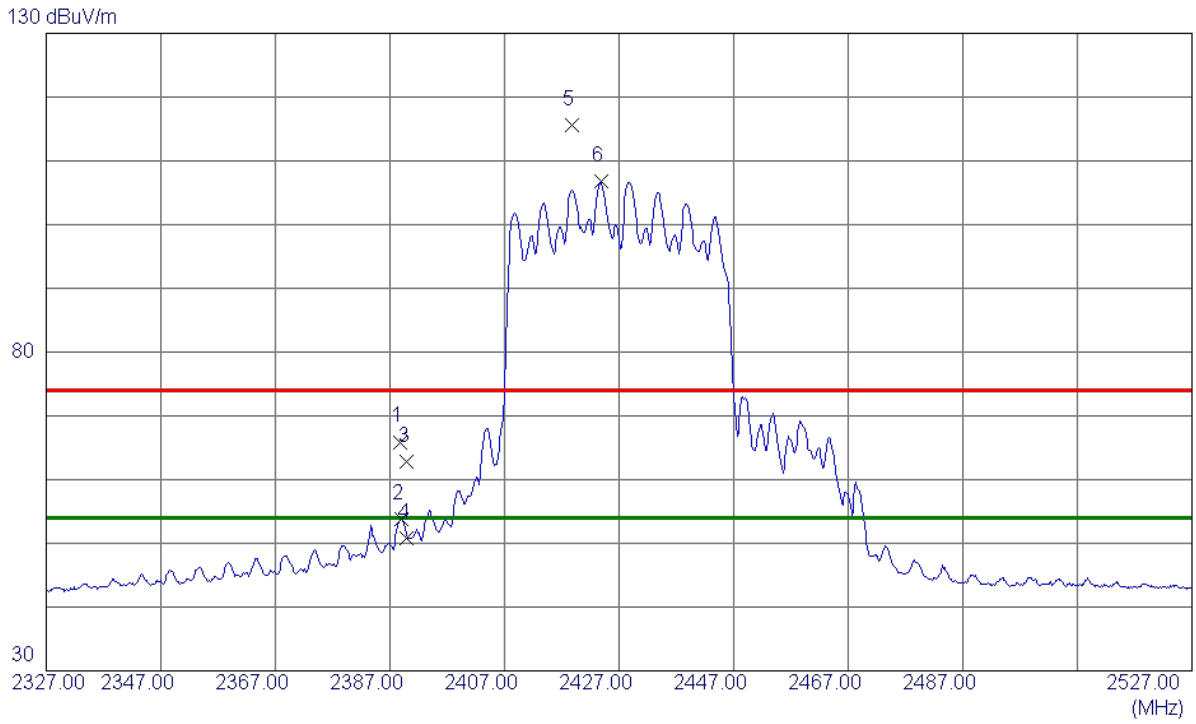
Test Mode	TX BE(EHT40) Mode 2422 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4843.4500	45.87	2.65	48.52	74.00	-25.48	Peak	
2 *	4843.5500	36.31	2.65	38.96	54.00	-15.04	AVG	

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

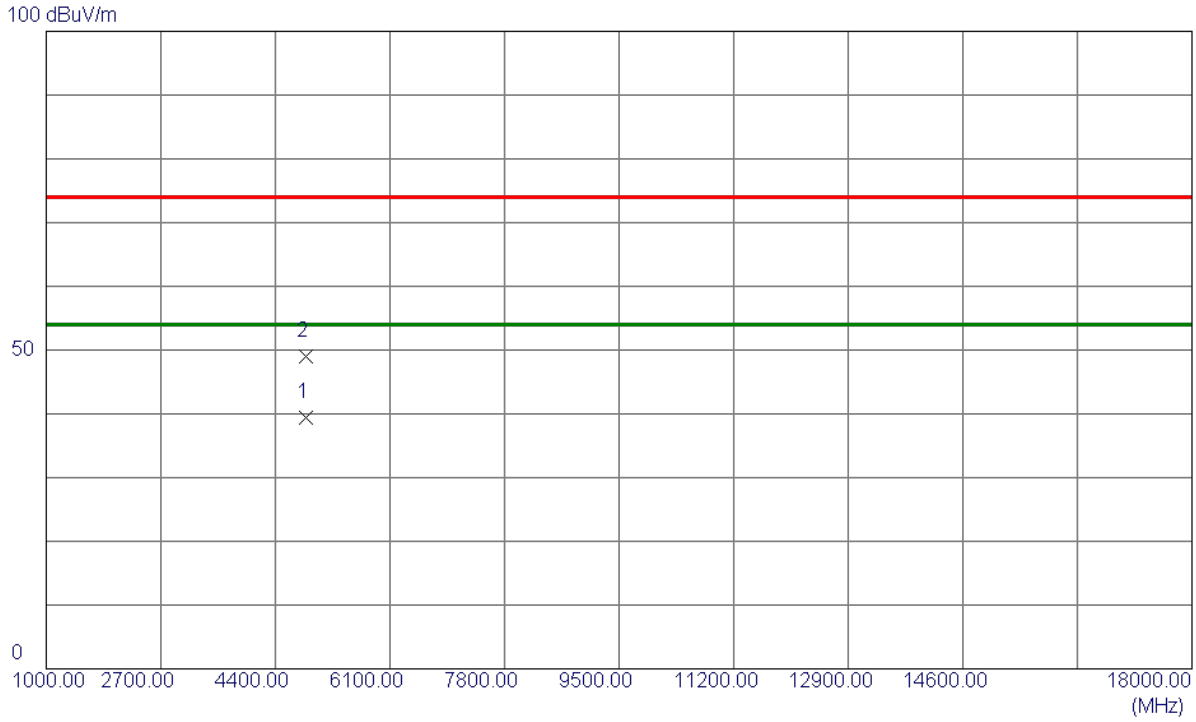
Test Mode	TX BE(EHT40) Mode 2427 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2388.8000	59.15	6.75	65.90	74.00	-8.10	Peak	
2	2389.0000	46.96	6.75	53.71	54.00	-0.29	AVG	
3	2390.0000	56.07	6.75	62.82	74.00	-11.18	Peak	
4	2390.0000	44.14	6.75	50.89	54.00	-3.11	AVG	
5	2418.8000	108.85	6.81	115.66	74.00	41.66	Peak	No Limit
6 *	2423.8000	99.91	6.82	106.73	54.00	52.73	AVG	No Limit

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

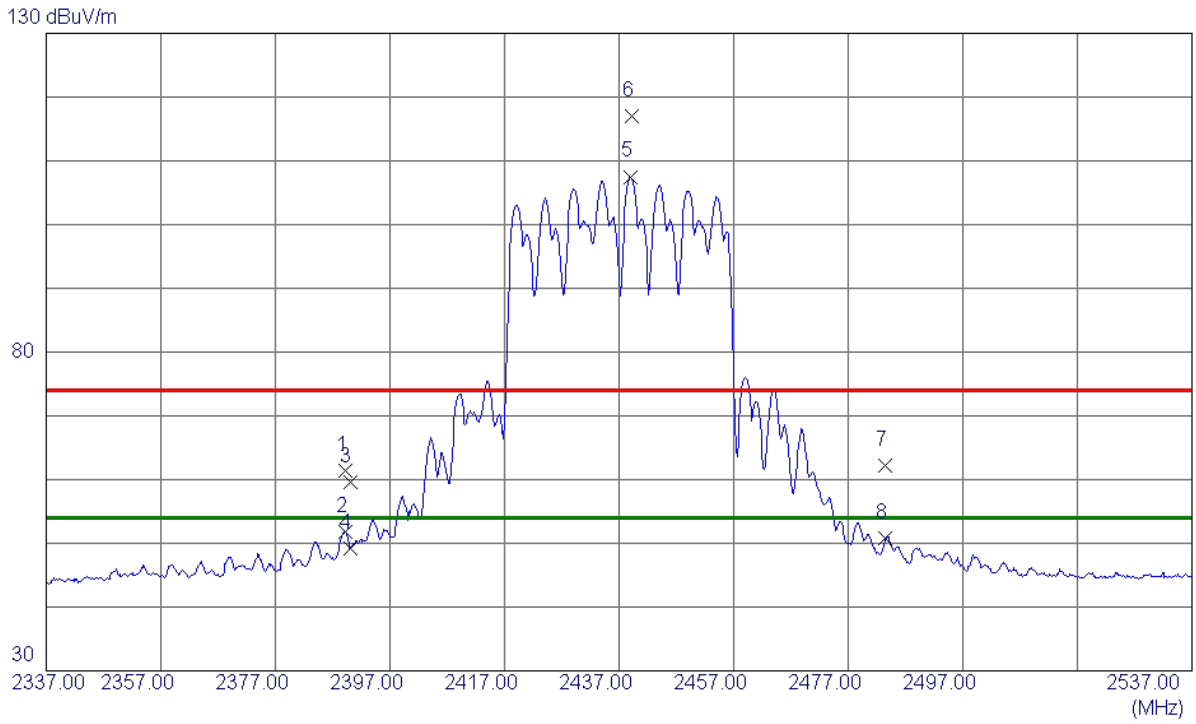
Test Mode	TX BE(EHT40) Mode 2427 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4848.6500	36.69	2.65	39.34	54.00	-14.66	AVG	
2	4852.8500	46.34	2.65	48.99	74.00	-25.01	Peak	

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

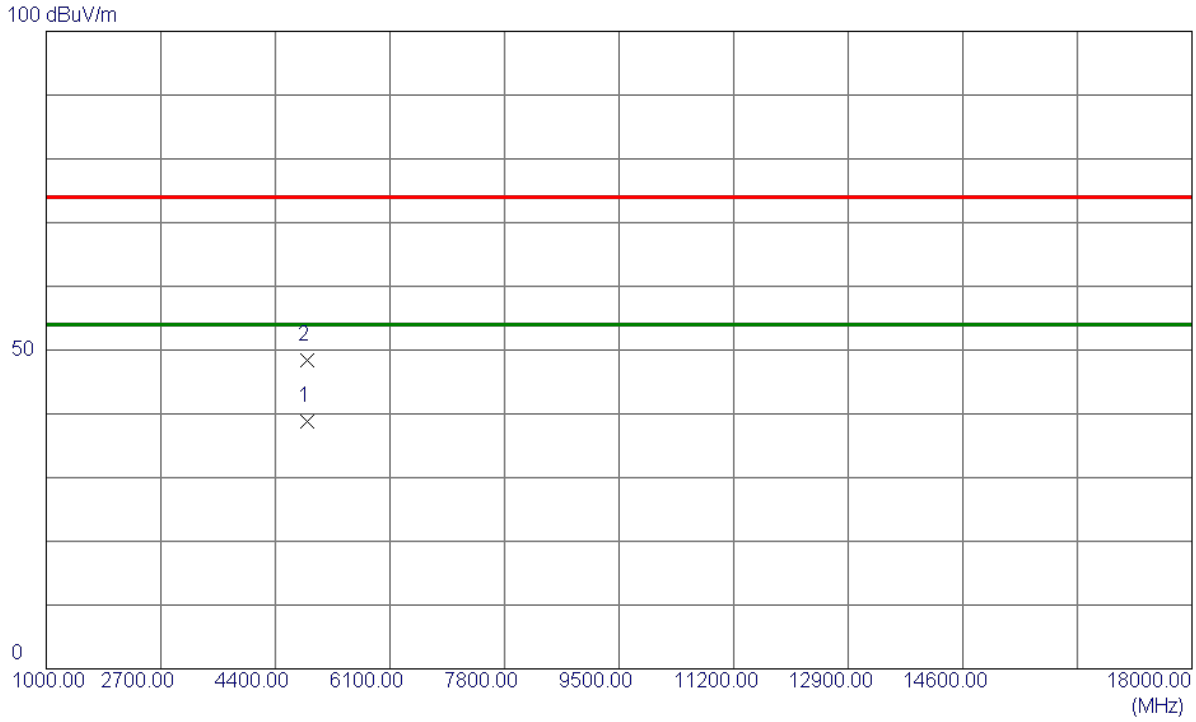
Test Mode	TX BE(EHT40) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389.2000	54.73	6.75	61.48	74.00	-12.52	Peak	
2	2389.2000	45.10	6.75	51.85	54.00	-2.15	AVG	
3	2390.0000	52.90	6.75	59.65	74.00	-14.35	Peak	
4	2390.0000	42.44	6.75	49.19	54.00	-4.81	AVG	
5 *	2439.0000	100.65	6.85	107.50	54.00	53.50	AVG	No Limit
6	2439.2000	110.15	6.85	117.00	74.00	43.00	Peak	No Limit
7	2483.5000	55.23	6.93	62.16	74.00	-11.84	Peak	
8	2483.5000	43.91	6.93	50.84	54.00	-3.16	AVG	

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

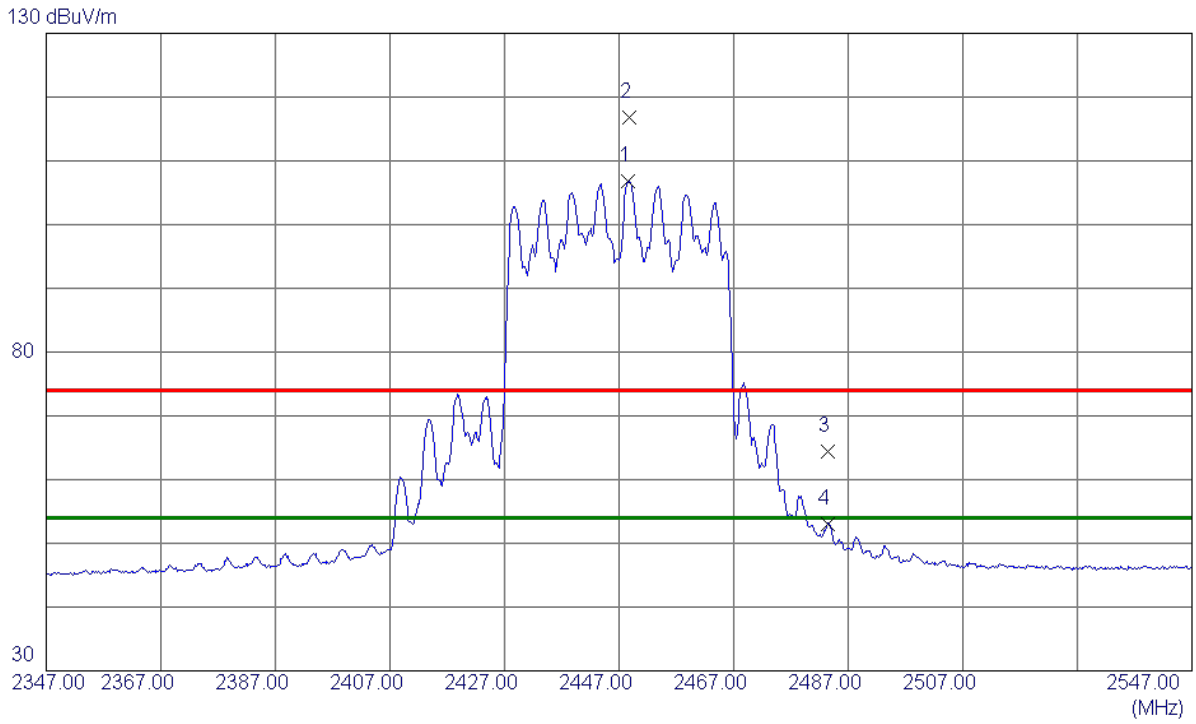
Test Mode	TX BE(EHT40) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.8500	36.13	2.66	38.79	54.00	-15.21	AVG	
2	4875.9500	45.73	2.67	48.40	74.00	-25.60	Peak	

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

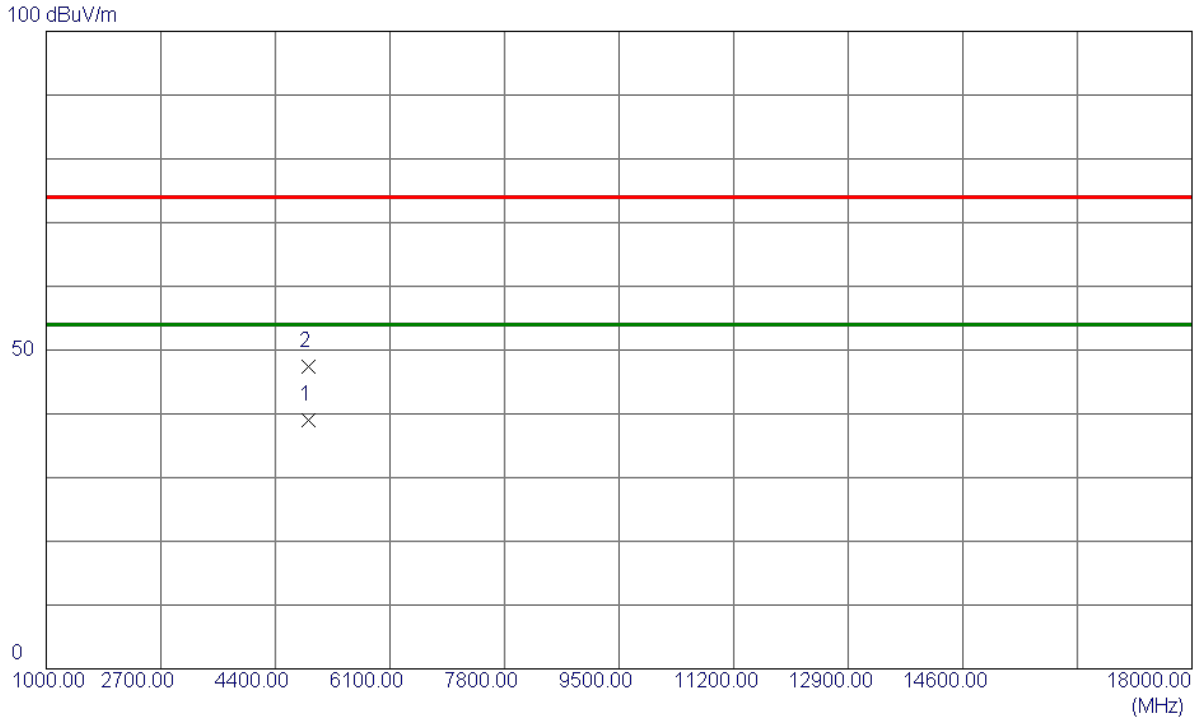
Test Mode	TX BE(EHT40) Mode 2447 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2448.6000	99.99	6.86	106.85	54.00	52.85	AVG	No Limit
2	2448.8000	110.01	6.86	116.87	74.00	42.87	Peak	No Limit
3	2483.5000	57.46	6.93	64.39	74.00	-9.61	Peak	
4	2483.5000	46.09	6.93	53.02	54.00	-0.98	AVG	

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

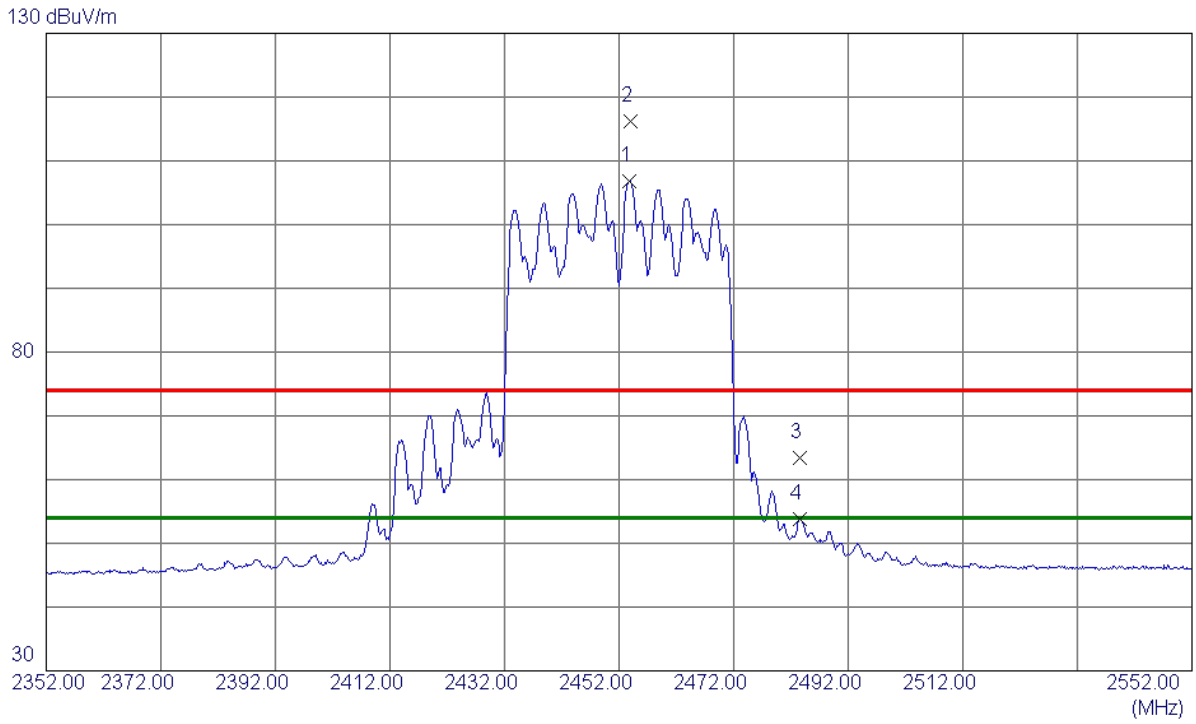
Test Mode	TX BE(EHT40) Mode 2447 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4893.9500	36.24	2.67	38.91	54.00	-15.09	AVG	
2	4895.1500	44.75	2.68	47.43	74.00	-26.57	Peak	

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

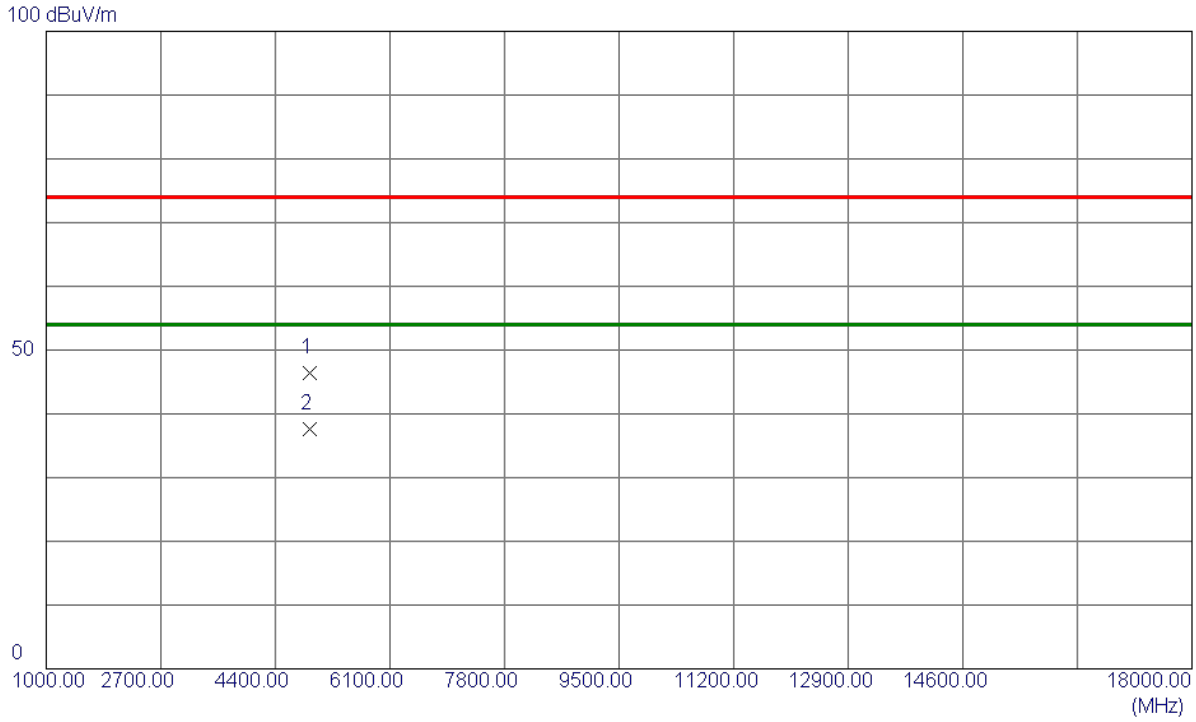
Test Mode	TX BE(EHT40) Mode 2452 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2453.8000	99.97	6.87	106.84	54.00	52.84	AVG	No Limit
2	2454.0000	109.28	6.87	116.15	74.00	42.15	Peak	No Limit
3	2483.5000	56.40	6.93	63.33	74.00	-10.67	Peak	
4	2483.5000	46.87	6.93	53.80	54.00	-0.20	AVG	

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

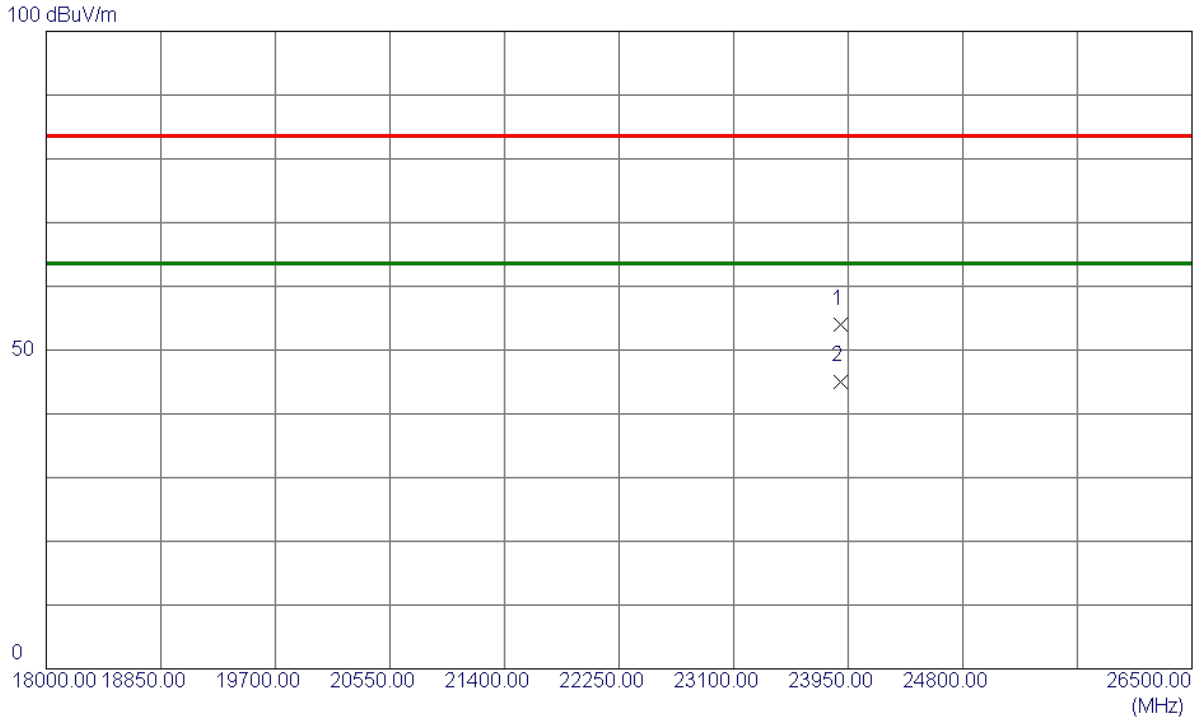
Test Mode	TX BE(EHT40) Mode 2452 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4902.7500	43.74	2.68	46.42	74.00	-27.58	Peak	
2 *	4903.5500	34.95	2.68	37.63	54.00	-16.37	AVG	

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

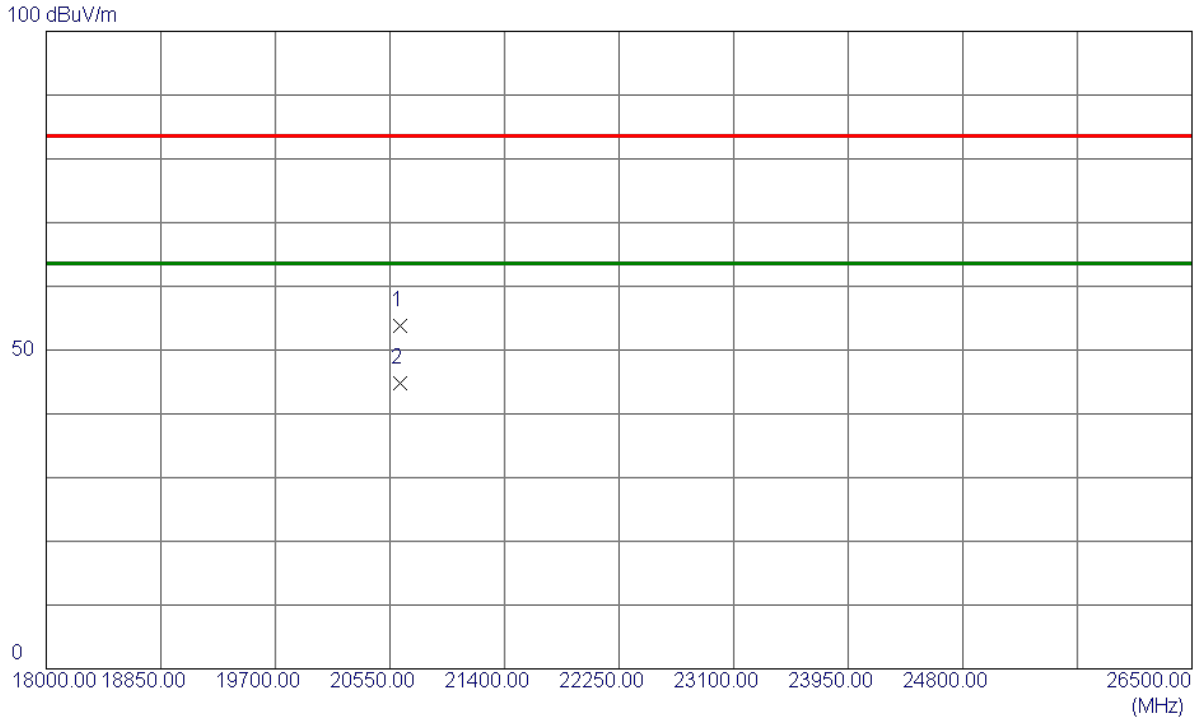
Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	23890.5000	47.84	6.22	54.06	83.50	-29.44	Peak	
2 *	23890.5000	38.88	6.22	45.10	63.50	-18.40	AVG	

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



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	20626.5000	49.80	3.96	53.76	83.50	-29.74	Peak	
2 *	20626.5000	40.81	3.96	44.77	63.50	-18.73	AVG	

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

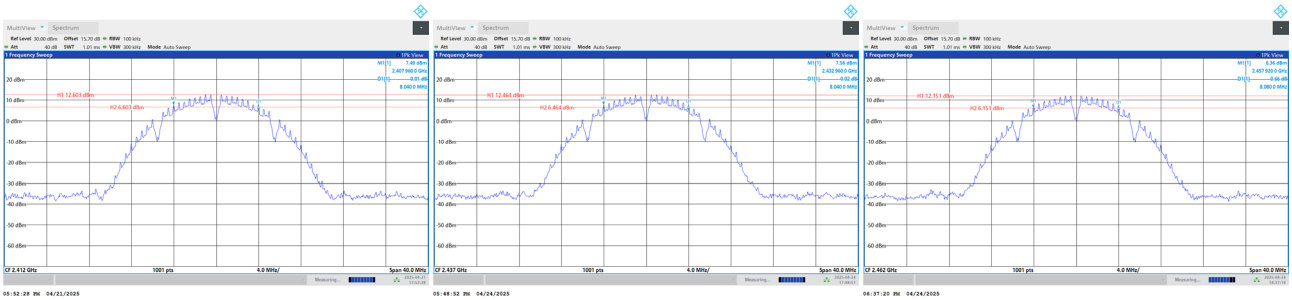
APPENDIX E - BANDWIDTH

Test Mode	TX B Mode

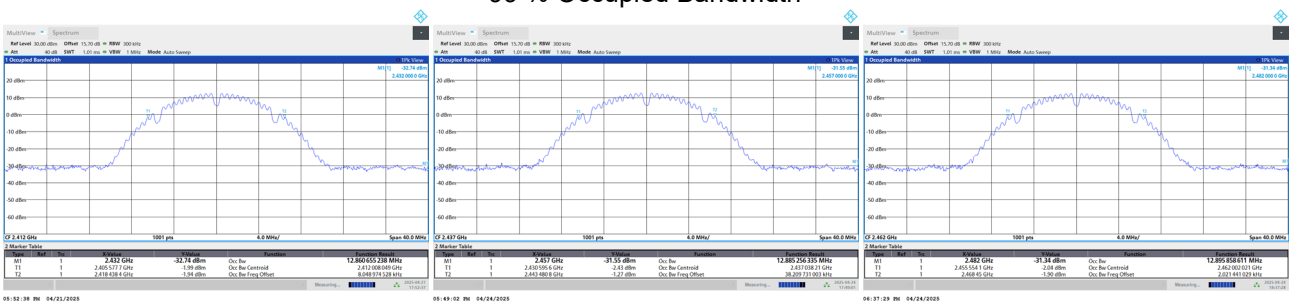
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	8.040	12.861	0.5	Pass
06	2437	8.040	12.885	0.5	Pass
11	2462	8.080	12.896	0.5	Pass

CH01 CH06 CH11

6 dB Bandwidth



99 % Occupied Bandwidth

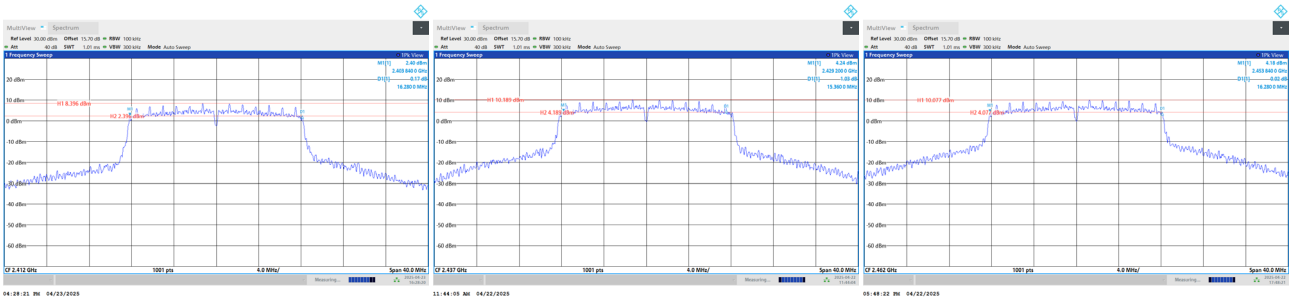


Test Mode	TX G Mode

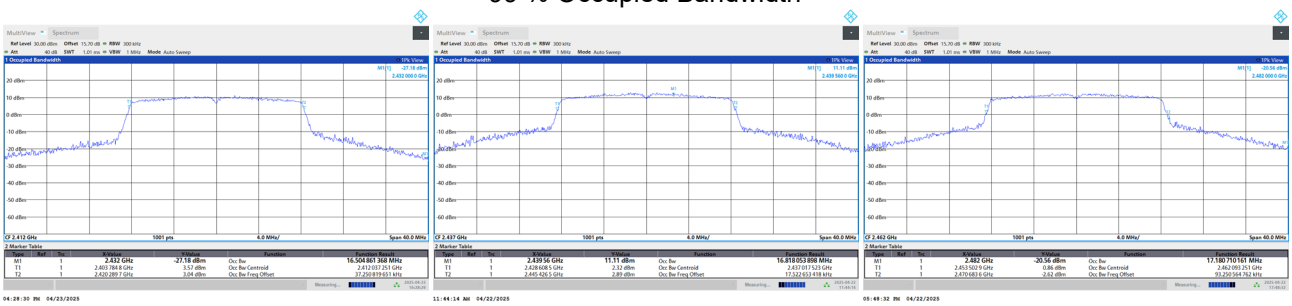
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	16.280	16.505	0.5	Pass
06	2437	15.360	16.818	0.5	Pass
11	2462	16.280	17.181	0.5	Pass

CH01 CH06 CH11

6 dB Bandwidth



99 % Occupied Bandwidth

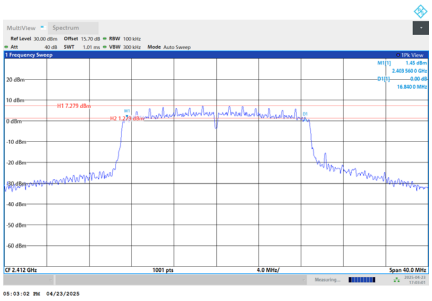


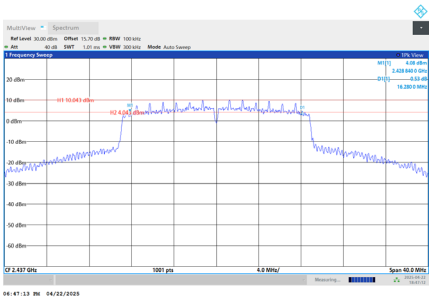
Test Mode	TX N(HT20) Mode

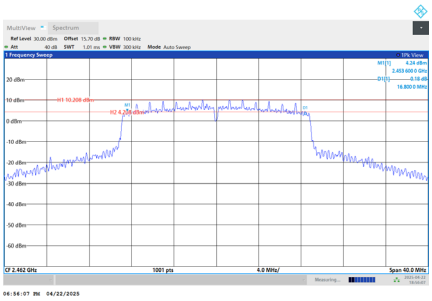
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	16.840	17.531	0.5	Pass
06	2437	16.280	18.076	0.5	Pass
11	2462	16.800	17.710	0.5	Pass

CH01 CH06 CH11

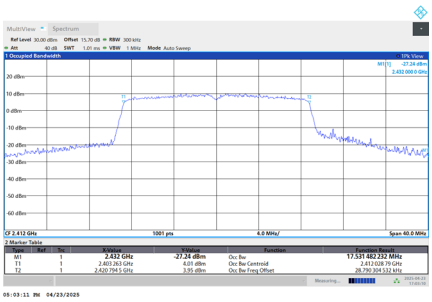
6 dB Bandwidth

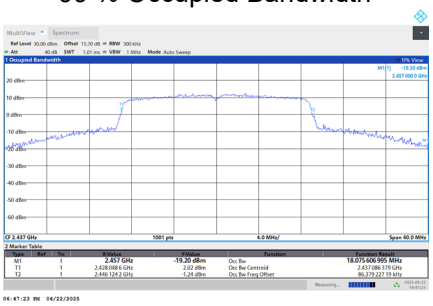


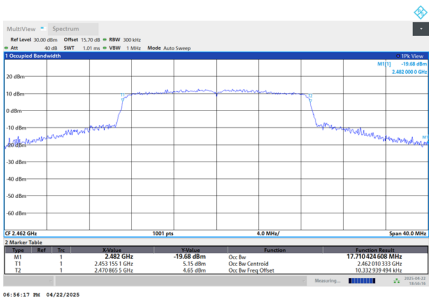




99 % Occupied Bandwidth





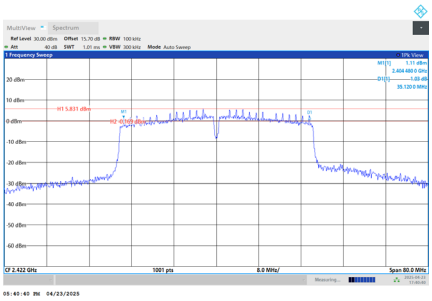


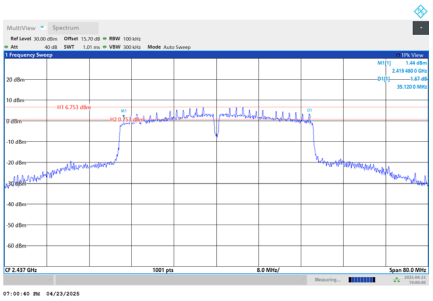
Test Mode	TX N(HT40) Mode

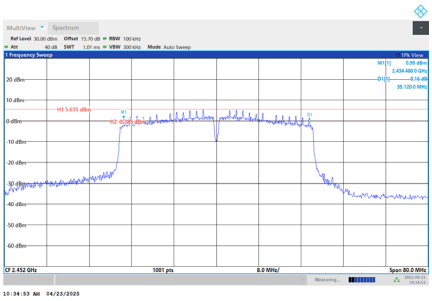
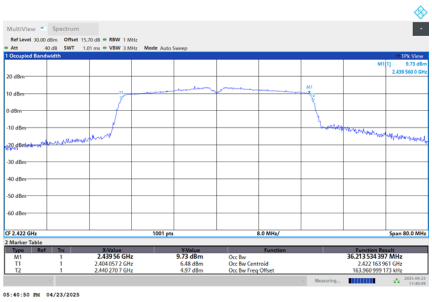
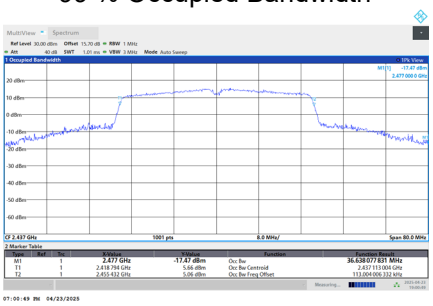
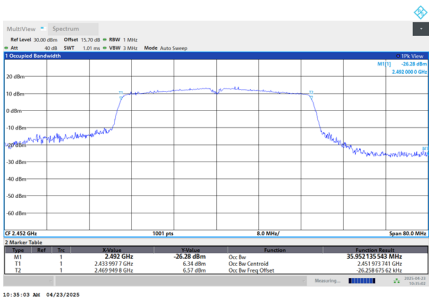
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	35.120	36.214	0.5	Pass
06	2437	35.120	36.638	0.5	Pass
09	2452	35.120	35.952	0.5	Pass

CH03 CH06 CH09

6 dB Bandwidth







99 % Occupied Bandwidth