FCC Radio Test Report

FCC ID: 2AV2N-SR120CC

This report concerns: Original Grant

Project No.	:	2108C201A
Equipment	:	Smart Router
Brand Name	:	FiberHome
Test Model	:	SR120-CC
Series Model	:	N/A
Applicant	:	Fiberhome Telecommunication Technologies Co., Ltd.
Address	:	No.88 Youkeyuan Road, Hongshan District, Wuhan, Hubei , China
Manufacturer	:	Fiberhome Telecommunication Technologies Co., Ltd.
Address	:	No.88 Youkeyuan Road, Hongshan District, Wuhan, Hubei , China
Factory	:	Fiberhome Telecommunication Technologies Co., Ltd.
Address	:	No.88 Youkeyuan Road, Hongshan District, Wuhan, Hubei , China
Date of Receipt	:	Aug. 26, 2021 Nov. 19, 2021
Date of Test	:	Aug. 30, 2021 ~ Nov. 04, 2021 Nov. 23, 2021 ~ Nov. 25, 2021
Issued Date	:	Dec. 08, 2021
Report Version	:	R00
Test Sample	:	Engineering Sample No.: DG20210826105 for conducted, DG20210826104, DG202111223-1 for radiated.
Standard(s)	:	FCC CFR Title 47, Part 15, Subpart C FCC KDB 558074 D01 15.247 Meas Guidance v05r02 FCC KDB 662911 D01 Multiple Transmitter Output v02r01 ANSI C63.10-2013

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

Prepared by : Chella Zheng

Approved by : Ethan Ma

TESTING CERT #5123.02

Add: No. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong, People's Republic of China

Tel: +86-769-8318-3000

Web: www.newbtl.com

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).

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

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

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

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.
Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Compared with original report (BTL-FCCP-1-2108C201), added new adapter (Model: RD1201000-C55-35MGD), so the AC Power Line Conducted Emissions and Radiated Emissions below 1GHz are evaluated. It is found that the original data of AC Power Line Conducted Emissions and Radiated Emissions (9kHz to 30 MHz) are the worst case. So in this report only updated the data of Radiated Emissions (30MHz to 1000MHz). Other are kept the same.	Dec. 08, 2021

1. 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.

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong, People's Republic of China.
BTL's Test Firm Registration Number for FCC: 357015
BTL's Designation Number for FCC: CN1240

1.2 MEASUREMENT UNCERTAINTY

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

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U, (dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.60

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9kHz ~ 30MHz	-	3.02
		30MHz ~ 200MHz	V	4.36
		30MHz ~ 200MHz	H	3.32
		200MHz ~ 1,000MHz	V	4.08
		200MHz ~ 1,000MHz	H	3.96
		1GHz ~ 6GHz	-	3.80
		6GHz ~ 18GHz	-	4.82
		18GHz ~ 26.5GHz	-	3.62
		26.5GHz ~ 40GHz	-	4.00

C. Other Measurement:

Test Item	Uncertainty
Bandwidth	±3.8 %
Maximum Output Power	±0.95 dB
Conducted Spurious Emission	±2.71 dB
Power Spectral Density	±0.86 dB
Temperature	±0.08 °C
Humidity	±1.5%

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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	25°C	53%	AC 120V/60Hz	Laughing Zhang
Radiated Emissions-9kHz to 30 MHz	25°C	60%	AC 120V/60Hz	Laughing Zhang
Radiated Emissions-30MHz to 1000MHz	19°C	45%	AC 120V/60Hz	Jakyri Wen
Radiated Emissions-Above 1000MHz	26°C	52%	AC 120V/60Hz	Laughing Zhang
Bandwidth	22°C	54%	DC 12V	King Huang
Maximum Output Power	24°C	54%	DC 12V	Ansel Yang
Conducted Spurious Emissions	22°C	54%	DC 12V	King Huang
Power Spectral Density	22°C	54%	DC 12V	King Huang

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Smart Router
Brand Name	FiberHome
Test Model	SR120-CC
Series Model	N/A
Model Difference(s)	N/A
Power Source	DC voltage supplied from AC adapter. 1# Brand / Model: Ruide / RD1201000-C55-35MGD 2# Brand / Model: KLEC / KL-WA120100-D
Power Rating	1# I/P: 100-240V~50/60Hz 0.6A MAX O/P: 12V ⎓ 1.0A 2# I/P: 100-240V~ 50/60Hz 0.5A O/P: 12.0V ⎓ 1.0A
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM
Bit Rate of Transmitter	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps
Maximum Output Power _Non Beamforming	IEEE 802.11n(HT40): 23.26 dBm (0.2118 W)
Maximum Output Power _Beamforming	IEEE 802.11n(HT40): 23.00 dBm (0.1995 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) CH03 - CH09 for IEEE 802.11n(HT40)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. Antenna Specification:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	FiberHome	XDA0630DBA001	PCB	N/A	3.81
2	FiberHome	XDA0630DBA000	PCB	N/A	3.84

Note:

1) This EUT supports CDD, and all antenna gains are not equal, then Directional gain=10log[($10^{G1/20}$+$10^{G2/20}$+...$10^{GN/20}$)^2/N]dBi, that is Directional gain=10log[($10^{3.81/20}$+$10^{3.84/20}$)^2/2]dBi =6.84. So, the output power limit is 30-(6.84-6)=29.16, the power spectral density limit is 8-(6.84-6)=7.16.
2) Beamforming Gain: 3dB. Then Directional gain=3+3.84=6.84. So, the output power limit is 30-(6.84-6)=29.16.
3) The antenna gain and beamforming gain are provided by the manufacturer.

4. Table for Antenna Configuration:

For Non Beamforming:

Operating Mode / TX Mode	1TX	2TX
IEEE 802.11b	V (Ant. 1)	-
IEEE 802.11g	V (Ant. 1)	-
IEEE 802.11n(HT20)	-	V(Ant. 1 + Ant. 2)
IEEE 802.11n(HT40)	-	V(Ant. 1 + Ant. 2)

For Beamforming:

Operating Mode / TX Mode	2TX
IEEE 802.11n(HT20)	V(Ant. 1 + Ant. 2)
IEEE 802.11n(HT40)	V(Ant. 1 + Ant. 2)

2.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09
Mode 5	TX N(HT40) Mode Channel 03

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

AC power line conducted emissions test	
Final Test Mode	Description
Mode 5	TX N(HT40) Mode Channel 03

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 5	TX N(HT40) Mode Channel 03

Radiated emissions test- Above 1GHz_Non Beamforming	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09

Maximum Output Power test_Non Beamforming	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09

Maximum Output Power test_Beamforming	
Final Test Mode	Description
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09

Other Conducted test_Non Beamforming	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) 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 TX N(HT40) Mode Channel 03 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) The measurements for Output Power are tested, the Non Beamforming and Beamforming are recorded in the report. The worst case is Non Beamforming and only the worst case is documented for other test items.
(5) For AC power line conducted emissions and radiated emissions below 1 GHz test, all adapters had been pre-tested and in this report only recorded the worst case.

2.3 PARAMETERS OF TEST SOFTWARE

Non Beamforming

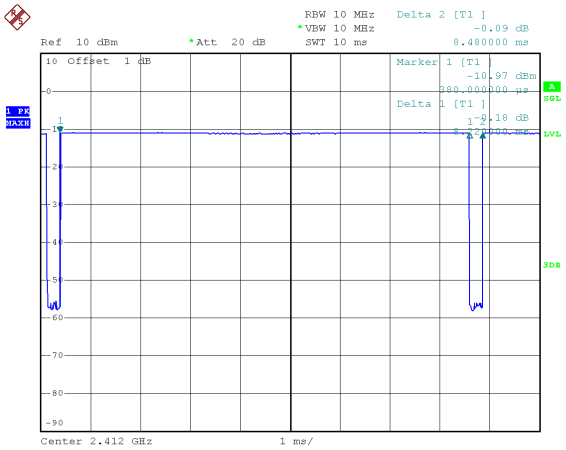
Test Software Version	MP_TEST		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	70	72	72
IEEE 802.11g	97	96	96
IEEE 802.11n(HT20)	104	106	106
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	109	111	111

Beamforming

Test Software Version	MP_TEST		
Frequency (MHz)	2412	2437	2462
IEEE 802.11n(HT20)	103	105	105
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	108	110	110

2.4 DUTY CYCLE

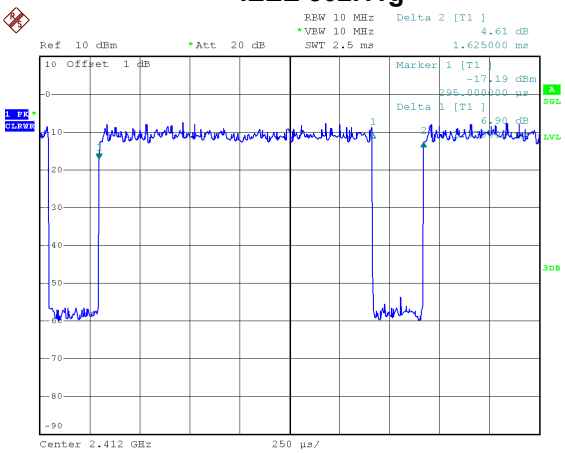
IEEE 802.11b



Date: 21.OCT.2021 09:41:59

Duty cycle = 8.220 ms / 8.480 ms = 96.93%
Duty Factor = 10 log(1/Duty cycle) = 0.14

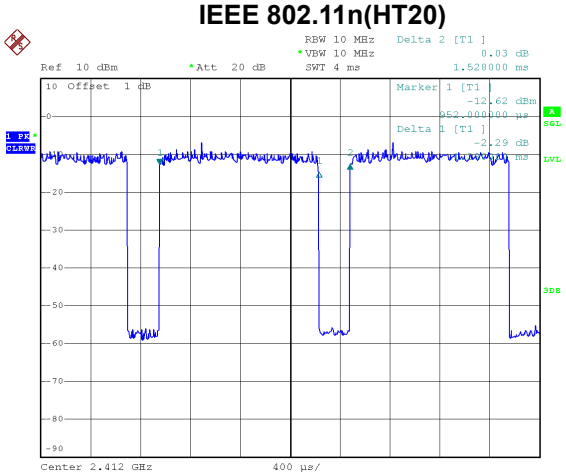
IEEE 802.11g



Date: 21.OCT.2021 09:42:28

Duty cycle = 1.370 ms / 1.625 ms = 84.31%
Duty Factor = 10 log(1/Duty cycle) = 0.74

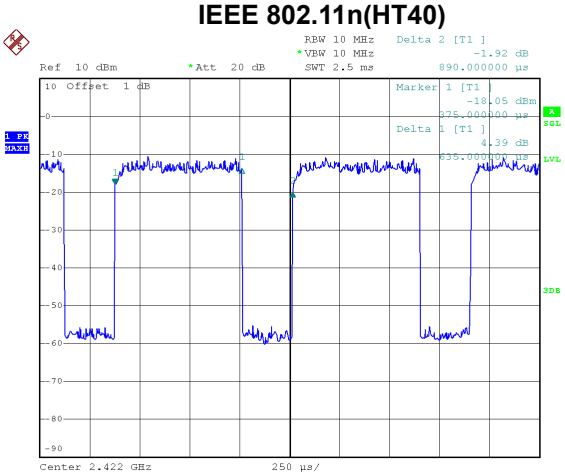
IEEE 802.11n(HT20)



Date: 21.OCT.2021 09:42:51

Duty cycle = 1.280 ms / 1.528 ms = 83.77%
Duty Factor = 10 log(1/Duty cycle) = 0.77

IEEE 802.11n(HT40)



Date: 21.OCT.2021 09:43:55

Duty cycle = 0.635 ms / 0.890 ms = 71.35%
Duty Factor = 10 log(1/Duty cycle) = 1.47

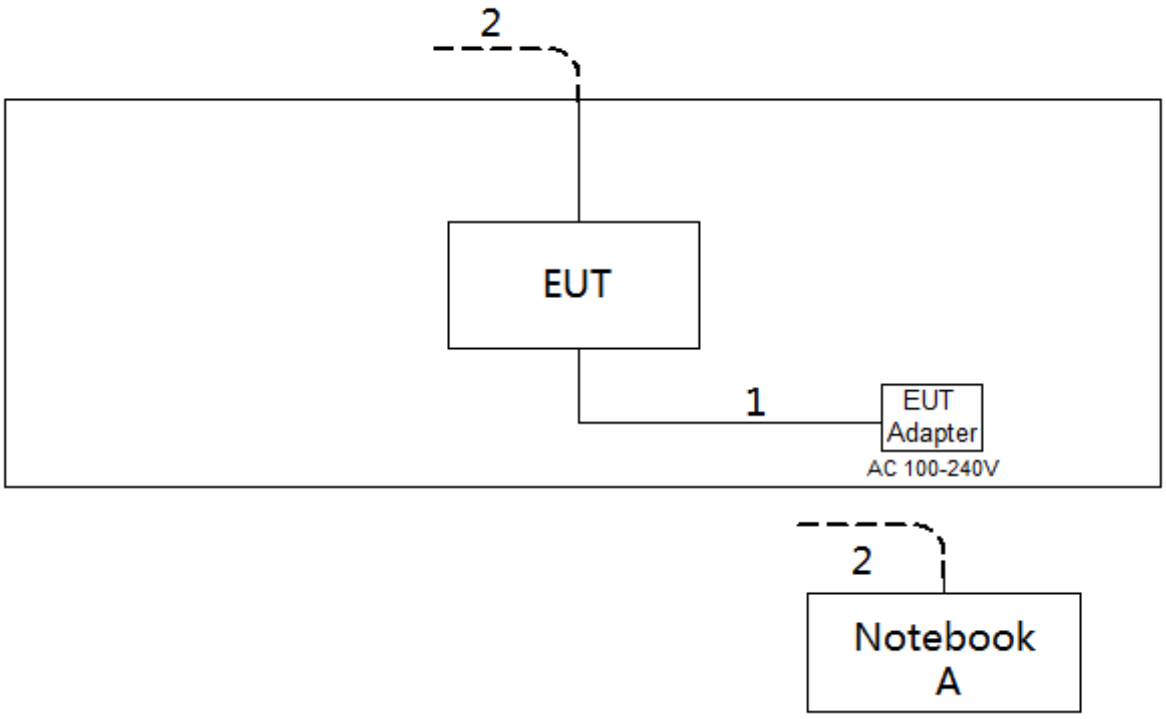
NOTE:
For IEEE 802.11b:
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 122 Hz.

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 730 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 781 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 1575 Hz.

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Dell	Inspiron 15-7559	N/A

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

3. AC POWER LINE CONDUCTED EMISSIONS

3.1 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.

3.2 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.

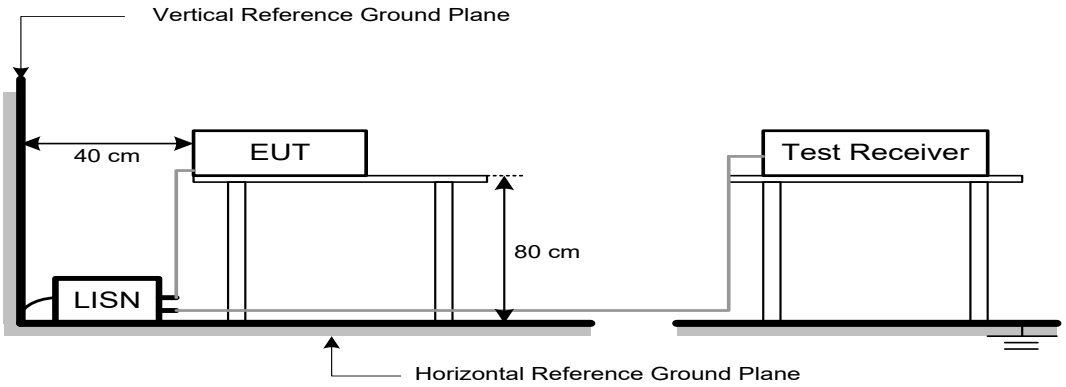
The following table is the setting of the receiver:

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

3.3 DEVIATION FROM TEST STANDARD

No deviation.

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS

4.1 LIMIT

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

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

NOTE:
(1) The limit for radiated test was performed according to FCC 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).

4.2 TEST PROCEDURE

a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1 GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform. (below 1 GHz)
h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn‘t perform. (above 1 GHz)
i. For the actual test configuration, please refer to the related Item -EUT Test Photos.

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

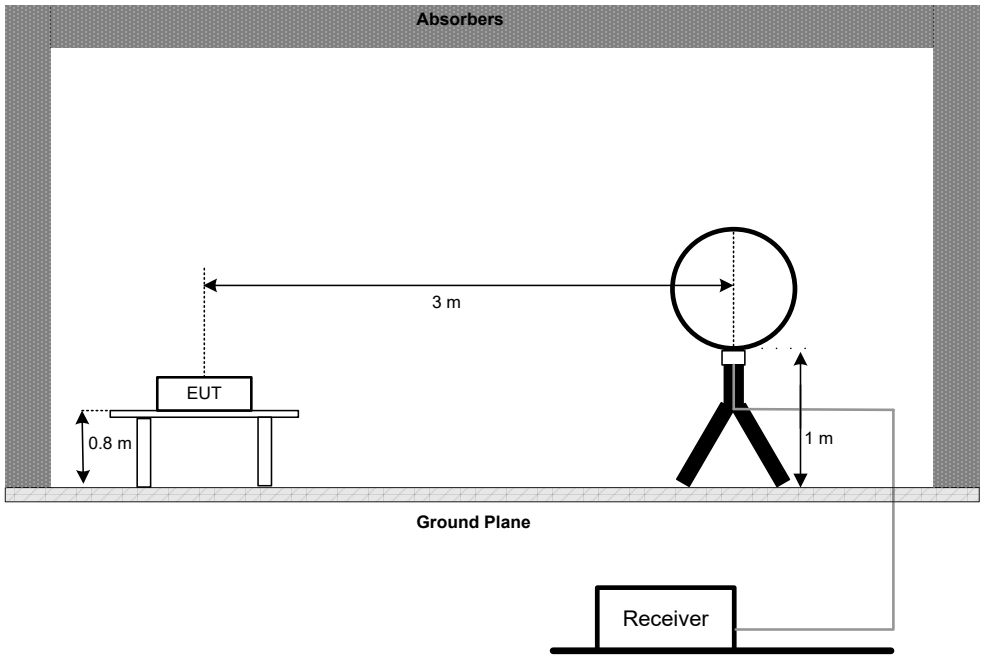
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

4.3 DEVIATION FROM TEST STANDARD

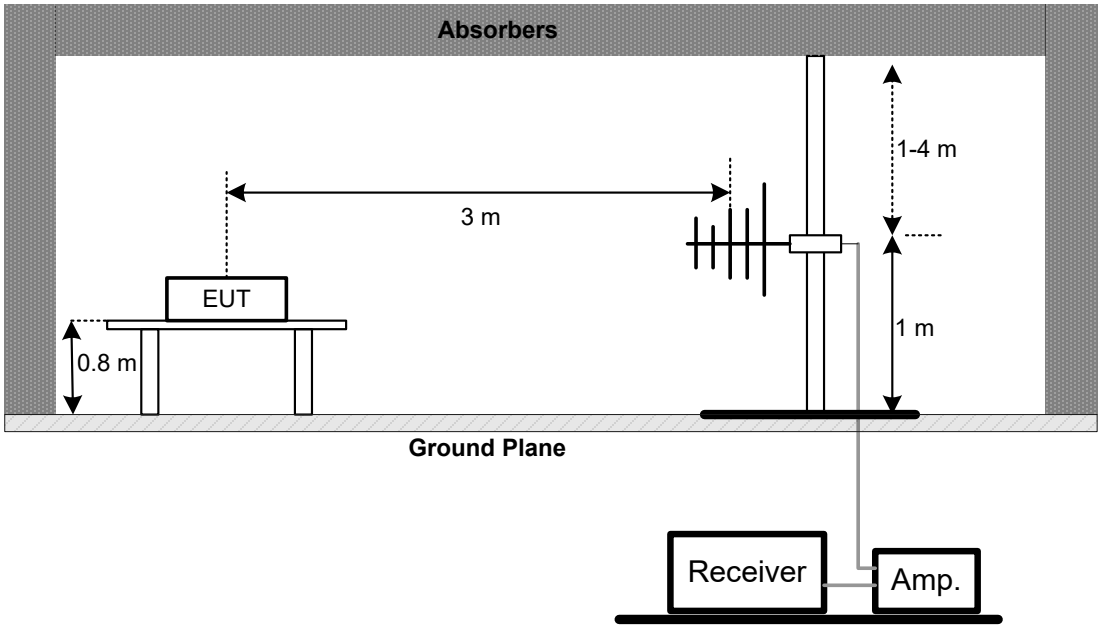
No deviation.

4.4 TEST SETUP

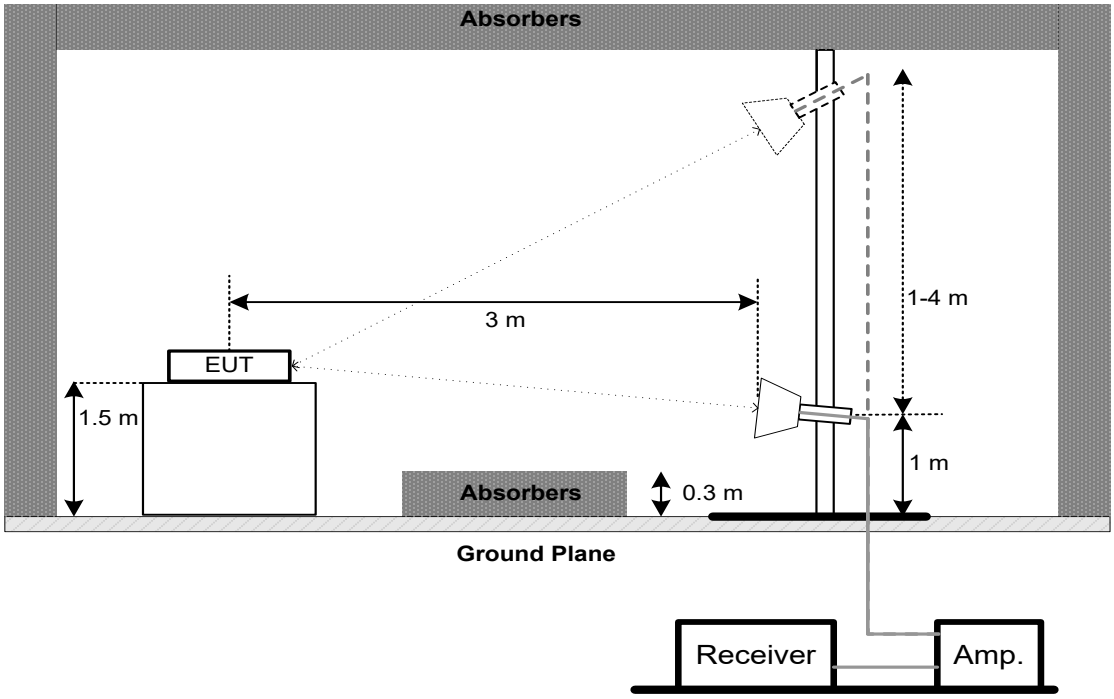
9 kHz to 30 MHz



30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

Remark:

(1) Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
(2) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

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

5. BANDWIDTH

5.1 LIMIT

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

5.2 TEST PROCEDURE

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

For 6 dB Bandwidth:

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

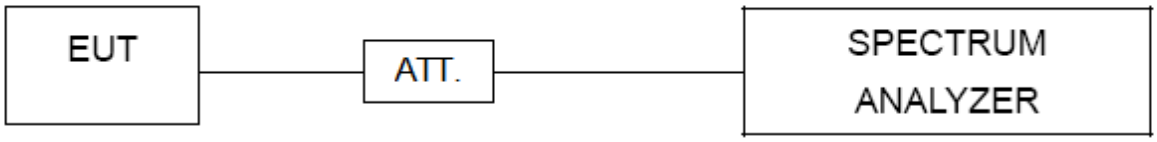
For 99% Emission Bandwidth:

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

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER

6.1 LIMIT

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

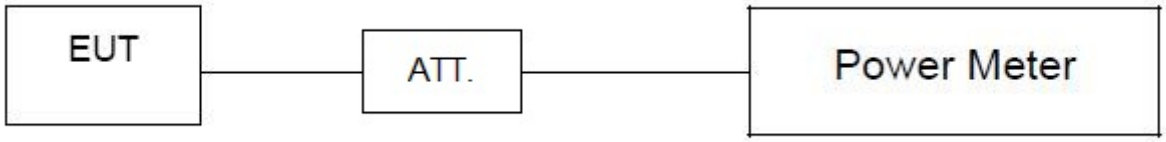
6.2 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
b. The maximum conducted output power was performed in accordance with method 11.9.1.3 of ANSI C63.10-2013 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. CONDUCTED SPURIOUS EMISSIONS

7.1 LIMIT

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

7.2 TEST PROCEDURE

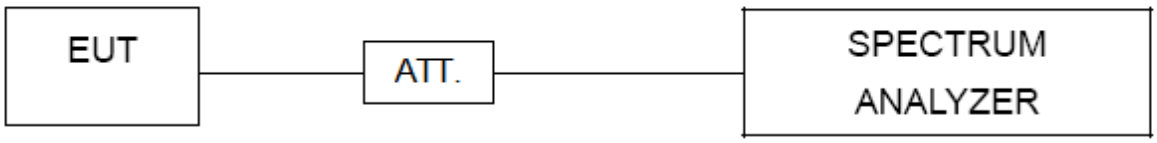
a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

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

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8. POWER SPECTRAL DENSITY

8.1 LIMIT

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

8.2 TEST PROCEDURE

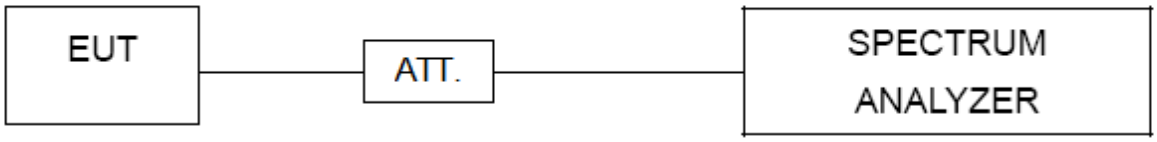
a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

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

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

9. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Feb. 28, 2022
2	LISN	EMCO	3816/2	52765	Feb. 27, 2022
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Feb. 27, 2022
4	50Ω Terminator	SHX	TF5-3	15041305	Feb. 27, 2022
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 09, 2022
7	643 Shield Room	ETS	6*4*3m	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EM	EM-6876-1	230	Apr. 28, 2022
2	Cable	N/A	RG 213/U	N/A	May 27, 2022
3	MXE EMI Receiver	Keysight	N9038A	MY56400091	Feb. 27, 2022
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
5	966 Chambe Room	RM	9*6*6m	N/A	Jul. 24, 2022

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 15, 2022
2	Amplifier	HP	8447D	2944A08742	Feb. 28, 2022
3	Receiver	Agilent	N9038A	MY52130039	Mar. 19, 2022
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	May 20, 2022
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	966 Chambe Room	RM	9*6*6m	N/A	Jul. 24, 2022

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	May 10, 2022
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 30, 2022
3	Amplifier	Agilent	8449B	3008A02584	Jul. 10, 2022
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Feb. 28, 2022
5	Receiver	Agilent	N9038A	MY52130039	Mar. 19, 2022
6	Controller	CT	SC100	N/A	N/A
7	Controller	MF	MF-7802	MF780208416	N/A
8	Cable	N/A	EMC104-SM-SM-6 000	N/A	Oct. 15, 2022
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	Filter	STI	STI15-9912	N/A	Jul. 10, 2022
11	966 Chambe Room	RM	9*6*6m	N/A	Jul. 24, 2022

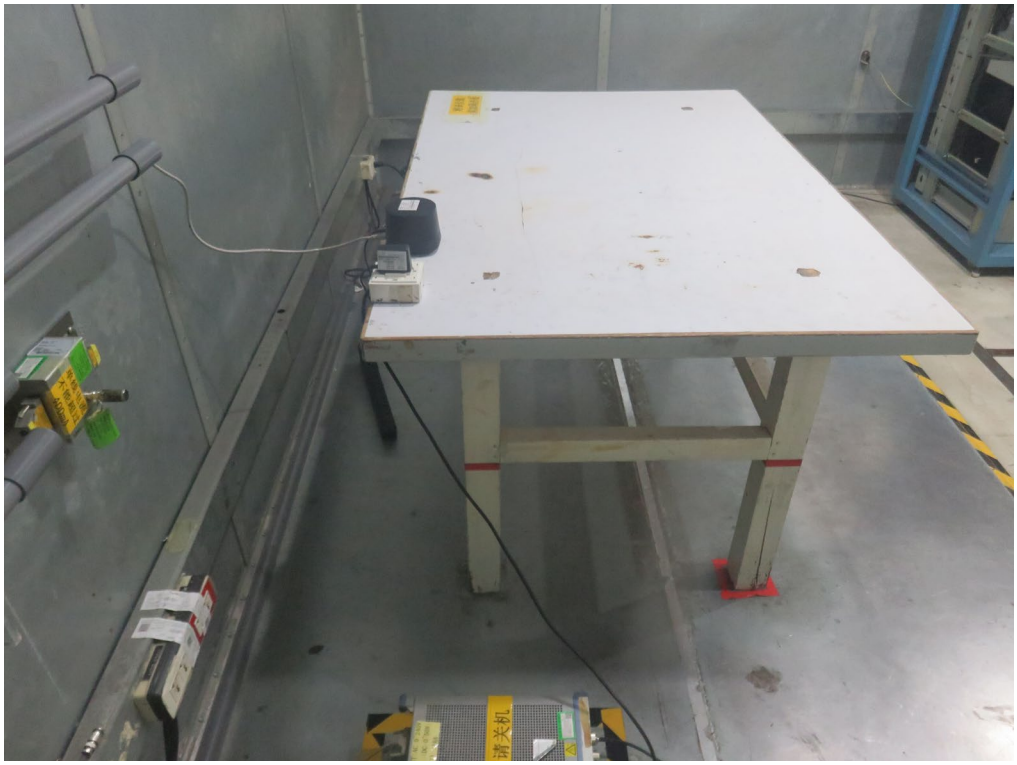
Bandwidth & Conducted Spurious Emissions & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 10, 2022
2	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 07, 2022
3	RF Cable	Tongkaichuan	N/A	N/A	N/A
4	DC Block	Mini	N/A	N/A	N/A

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Jul. 10, 2022
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jul. 10, 2022
3	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 07, 2022
4	RF Cable	Tongkaichuan	N/A	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.

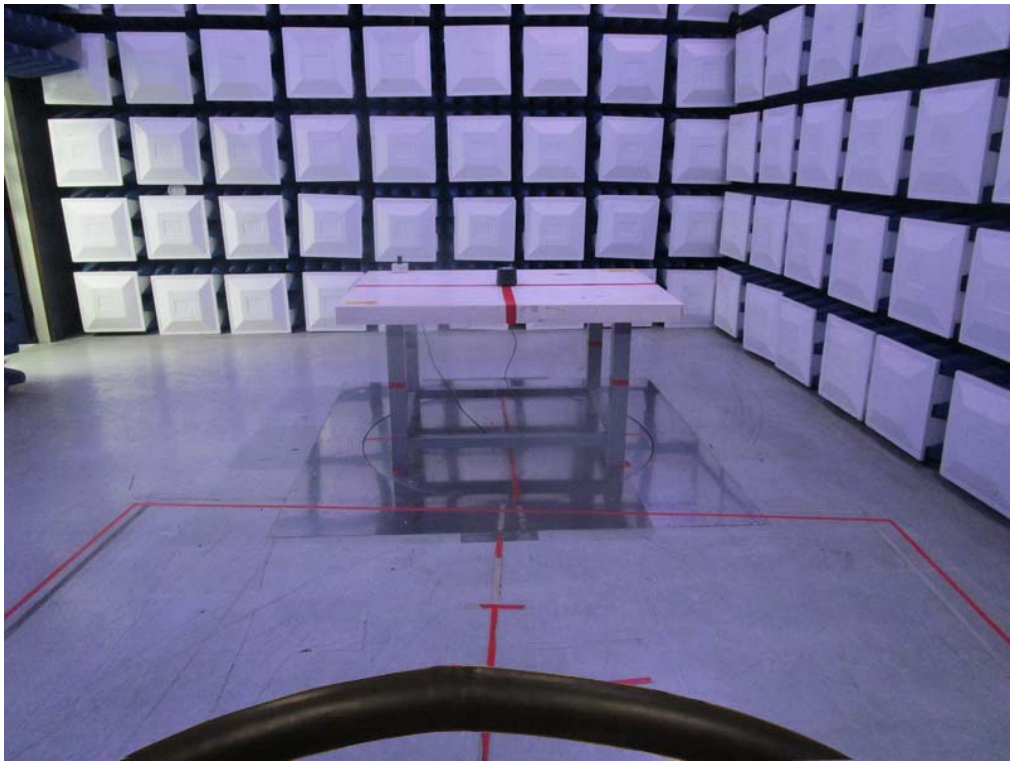
10. EUT TEST PHOTO

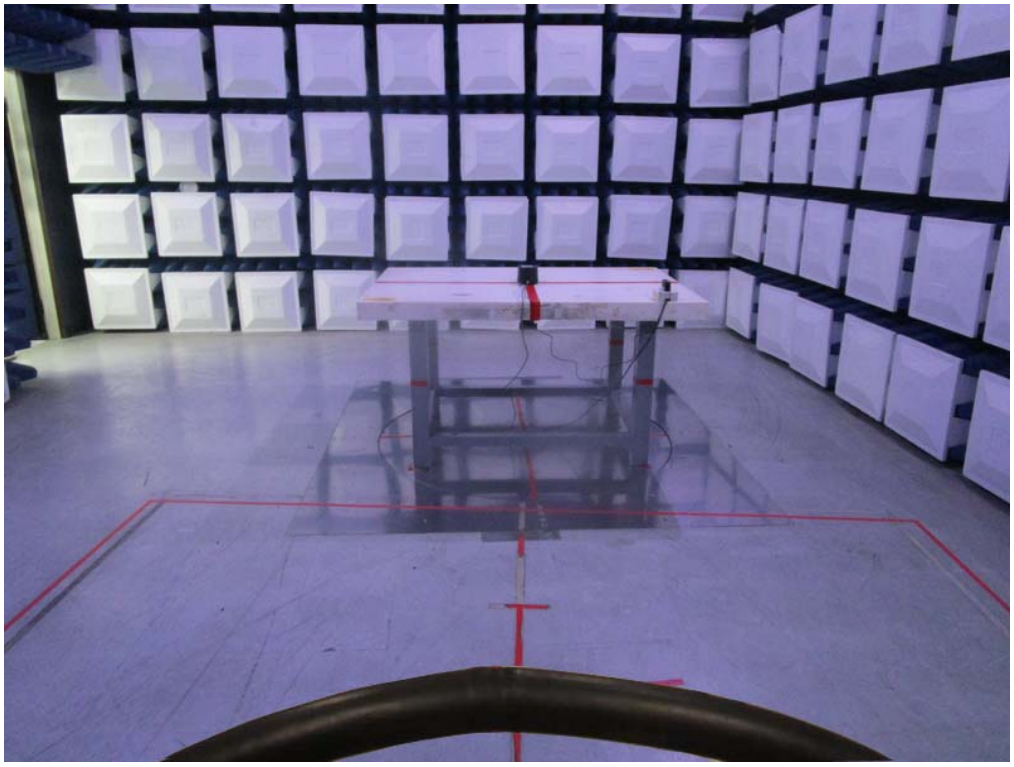
AC Power Line Conducted Emissions Test Photos



Radiated Emissions Test Photos

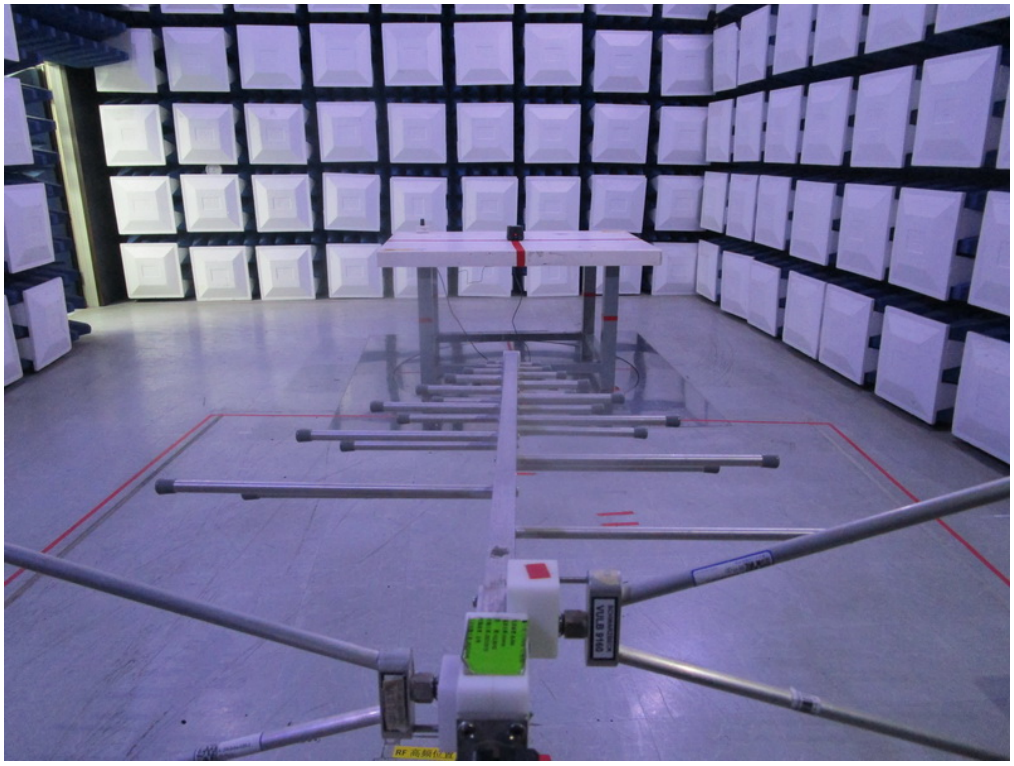
9 kHz to 30 MHz

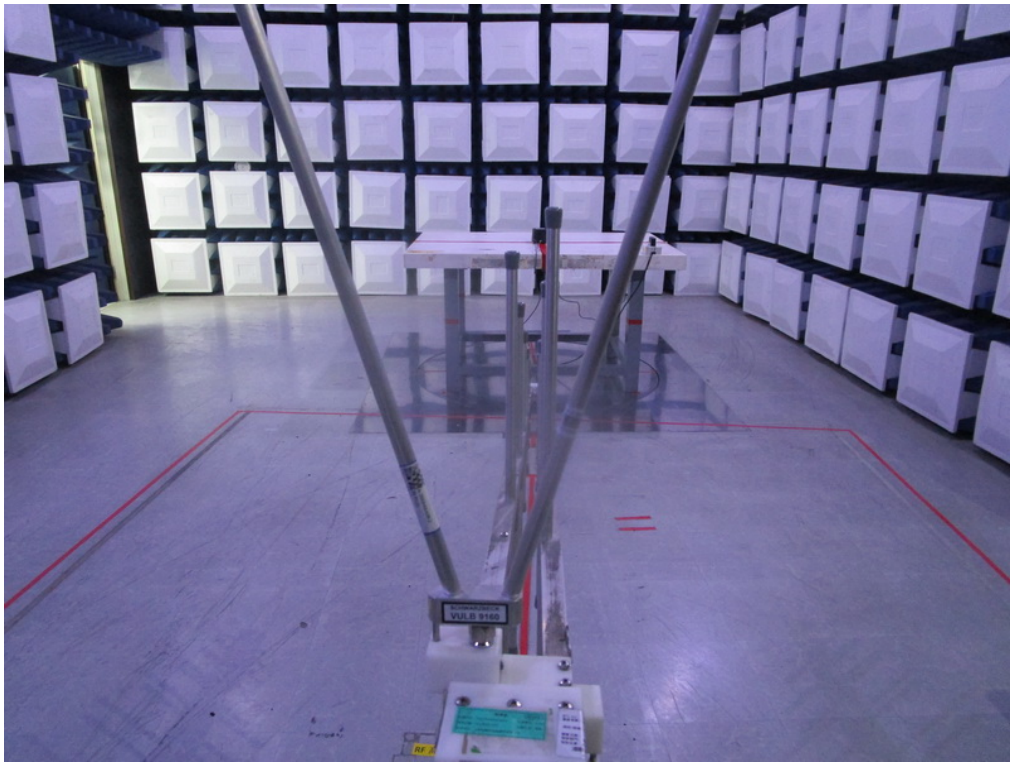




Radiated Emissions Test Photos

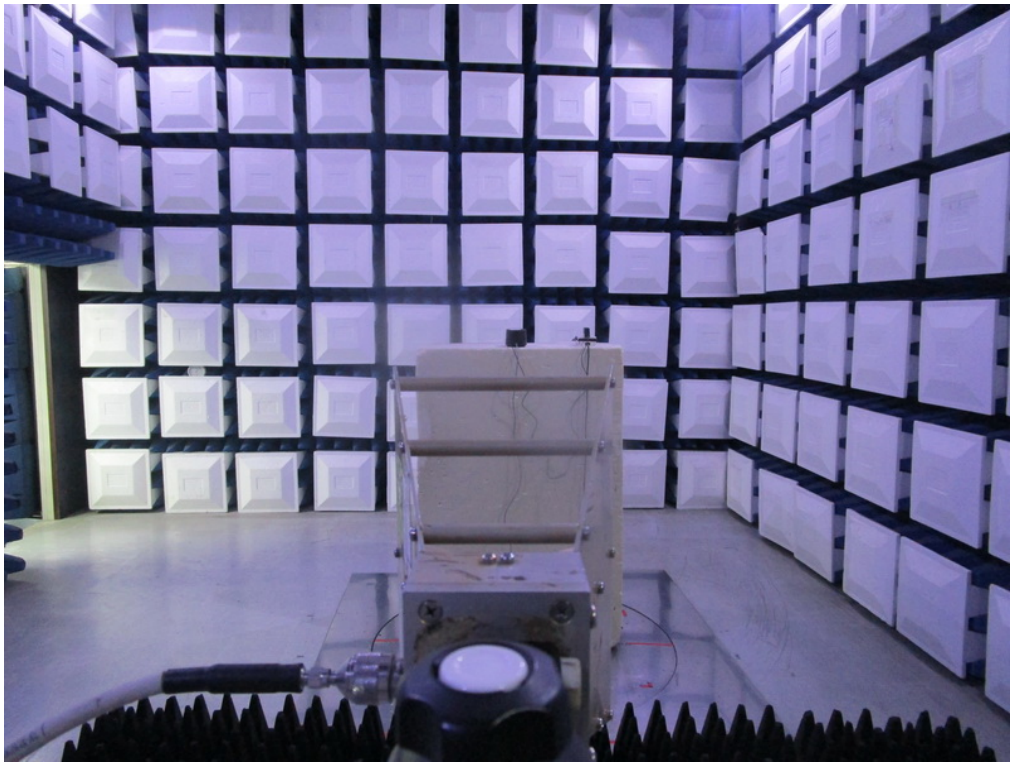
30 MHz to 1 GHz



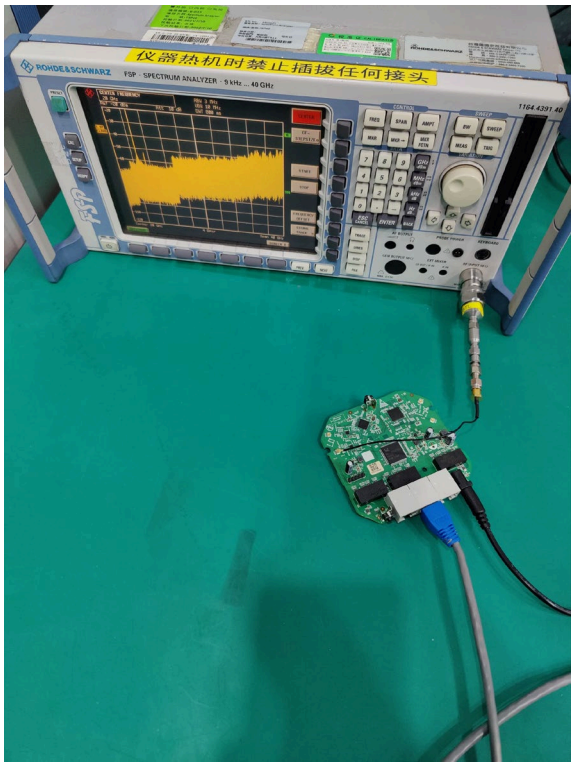


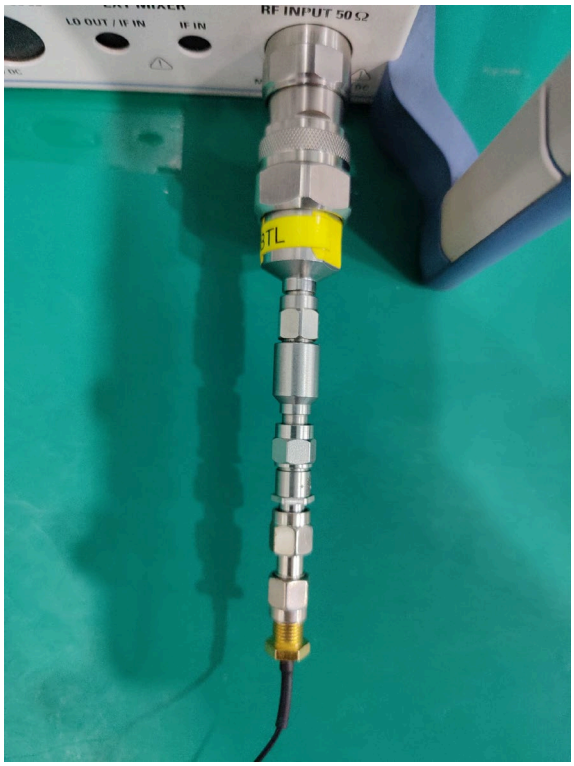
Radiated Emissions Test Photos

Above 1 GHz



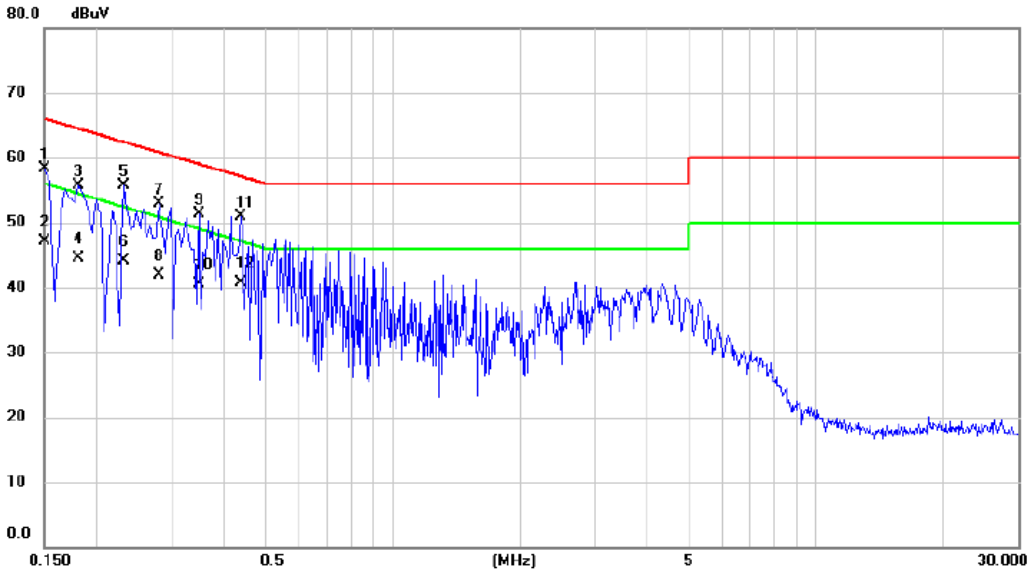
Conducted Test Photos





APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

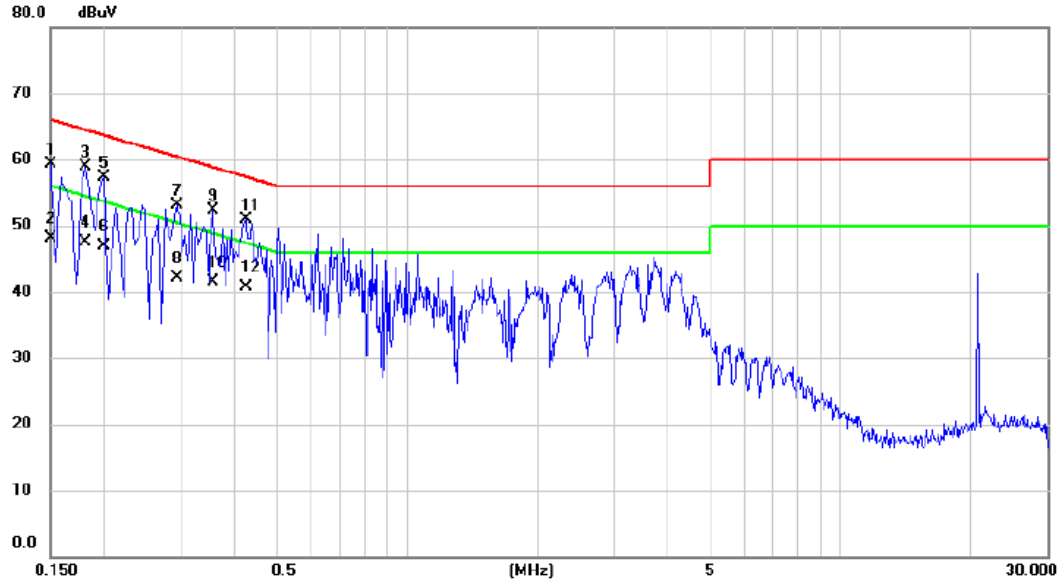
Test Mode	TX N(HT40) Mode Channel 03	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	48.60	9.67	58.27	66.00	-7.73	peak	
2		0.1500	37.50	9.67	47.17	56.00	-8.83	AVG	
3		0.1815	45.94	9.85	55.79	64.42	-8.63	peak	
4		0.1815	34.60	9.85	44.45	54.42	-9.97	AVG	
5		0.2310	45.80	9.89	55.69	62.41	-6.72	peak	
6		0.2310	34.20	9.89	44.09	52.41	-8.32	AVG	
7		0.2805	43.11	9.88	52.99	60.80	-7.81	peak	
8		0.2805	32.10	9.88	41.98	50.80	-8.82	AVG	
9		0.3480	41.49	9.89	51.38	59.01	-7.63	peak	
10		0.3480	30.60	9.89	40.49	49.01	-8.52	AVG	
11	*	0.4380	40.92	9.91	50.83	57.10	-6.27	peak	
12		0.4380	30.80	9.91	40.71	47.10	-6.39	AVG	

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

Test Mode	TX N(HT40) Mode Channel 03	Phase	Neutral

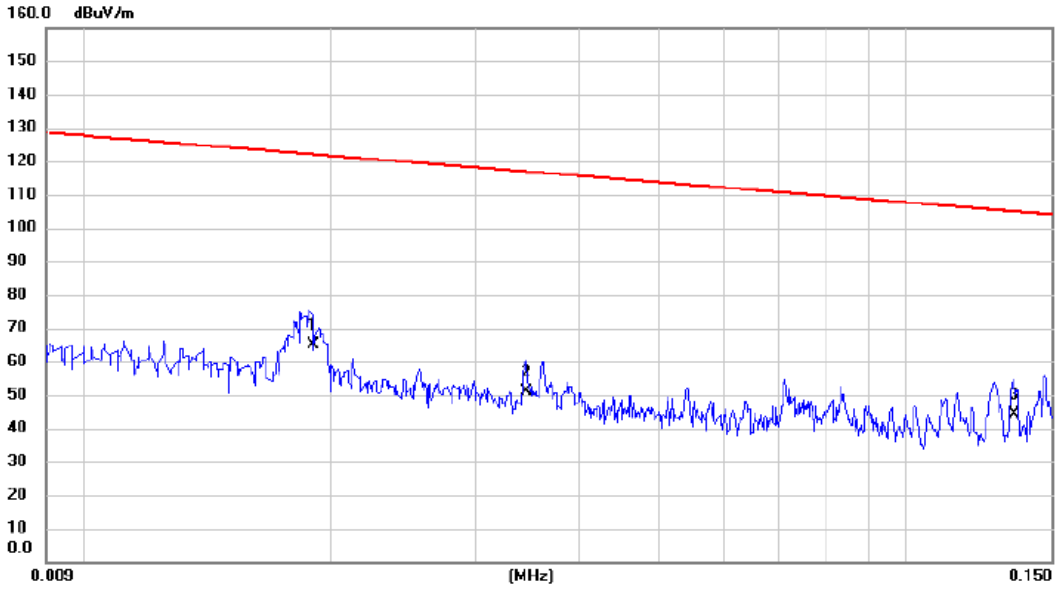


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	49.47	9.74	59.21	66.00	-6.79	peak	
2		0.1500	38.40	9.74	48.14	56.00	-7.86	AVG	
3	*	0.1815	48.88	9.94	58.82	64.42	-5.60	peak	
4		0.1815	37.50	9.94	47.44	54.42	-6.98	AVG	
5		0.1995	47.35	10.01	57.36	63.63	-6.27	peak	
6		0.1995	36.90	10.01	46.91	53.63	-6.72	AVG	
7		0.2940	43.06	10.01	53.07	60.41	-7.34	peak	
8		0.2940	32.10	10.01	42.11	50.41	-8.30	AVG	
9		0.3570	42.19	10.04	52.23	58.80	-6.57	peak	
10		0.3570	31.50	10.04	41.54	48.80	-7.26	AVG	
11		0.4245	40.83	10.08	50.91	57.36	-6.45	peak	
12		0.4245	30.60	10.08	40.68	47.36	-6.68	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(HT40) Mode Channel 03	Polarization	Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	0.0190	50.36	14.72	65.08	122.03	-56.95	AVG			
2		0.0345	36.74	14.08	50.82	116.85	-66.03	AVG			
3		0.1352	30.25	13.78	44.03	104.99	-60.96	AVG			

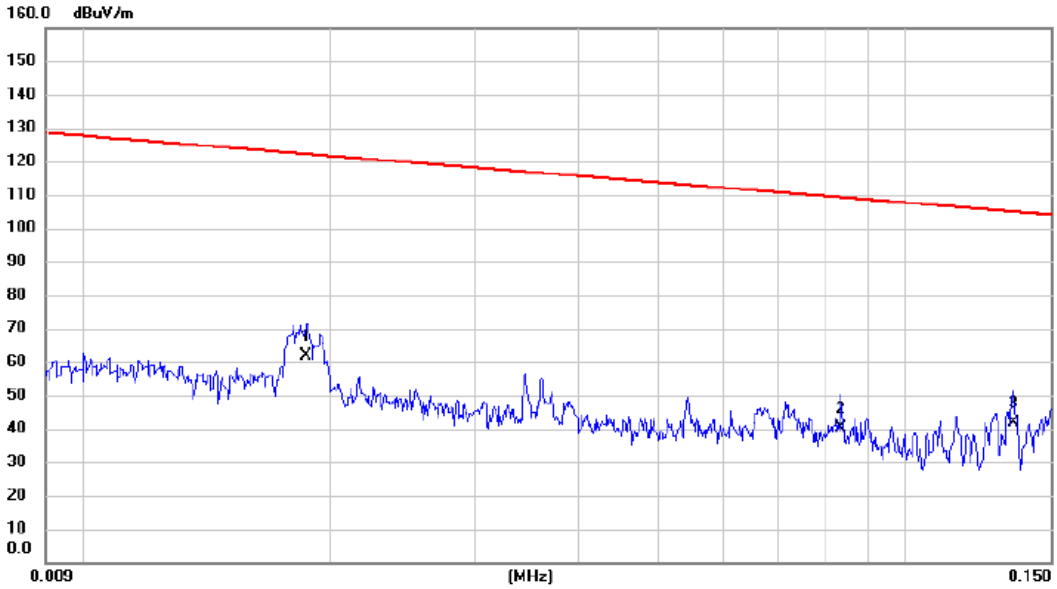
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX N(HT40) Mode Channel 03	Polarization	Ant 0°

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		0.3893	43.78	13.65	57.43	95.80	-38.37	AVG			
2	*	1.9593	45.62	12.27	57.89	69.54	-11.65	QP			
3		2.9620	39.48	11.96	51.44	69.54	-18.10	QP			

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

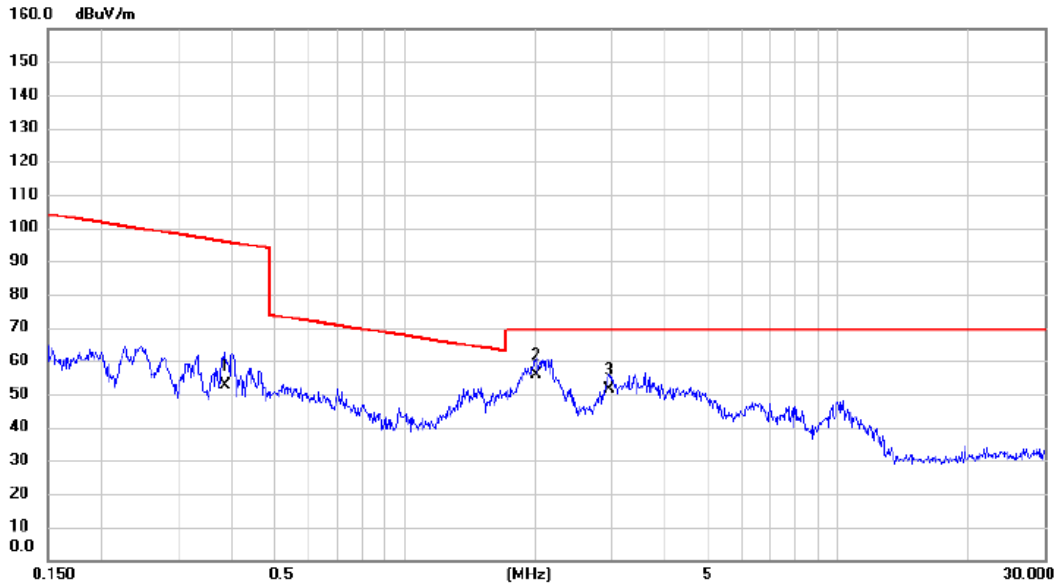
Test Mode	TX N(HT40) Mode Channel 03	Polarization	Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	0.0187	46.85	14.82	61.67	122.17	-60.50	AVG			
2		0.0834	26.26	13.76	40.02	109.18	-69.16	AVG			
3		0.1352	27.83	13.78	41.61	104.99	-63.38	AVG			

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

Test Mode	TX N(HT40) Mode Channel 03	Polarization	Ant 90°

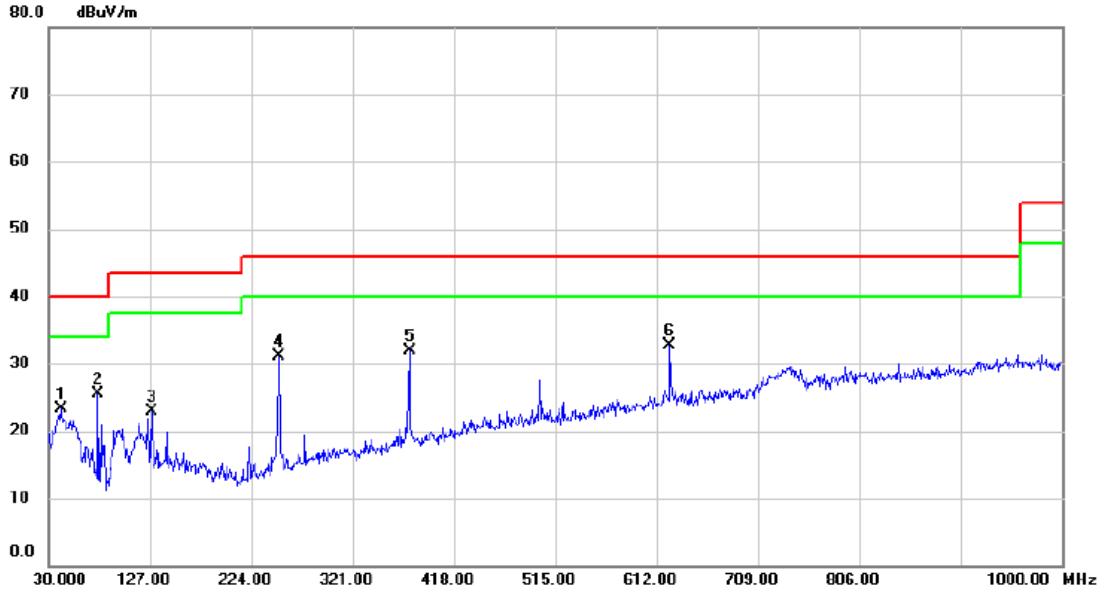


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		0.3852	38.96	13.64	52.60	95.89	-43.29	AVG			
2	*	2.0120	43.52	12.24	55.76	69.54	-13.78	QP			
3		2.9776	39.28	11.96	51.24	69.54	-18.30	QP			

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

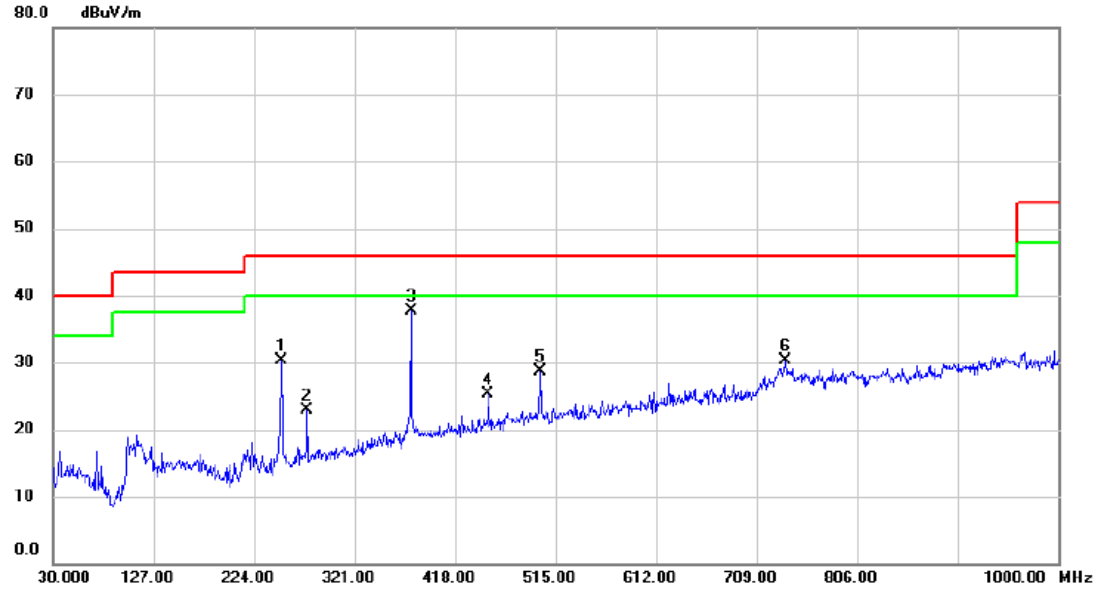
Test Mode	TX N(HT40) Mode Channel 03	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		41.640	37.34	-13.99	23.35	40.00	-16.65	peak	
2		77.530	43.28	-17.86	25.42	40.00	-14.58	peak	
3		128.940	36.40	-13.47	22.93	43.50	-20.57	peak	
4		250.190	44.05	-12.92	31.13	46.00	-14.87	peak	
5		375.320	41.17	-9.36	31.81	46.00	-14.19	peak	
6	*	624.610	36.87	-4.15	32.72	46.00	-13.28	peak	

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

Test Mode	TX N(HT40) Mode Channel 03	Polarization	Horizontal

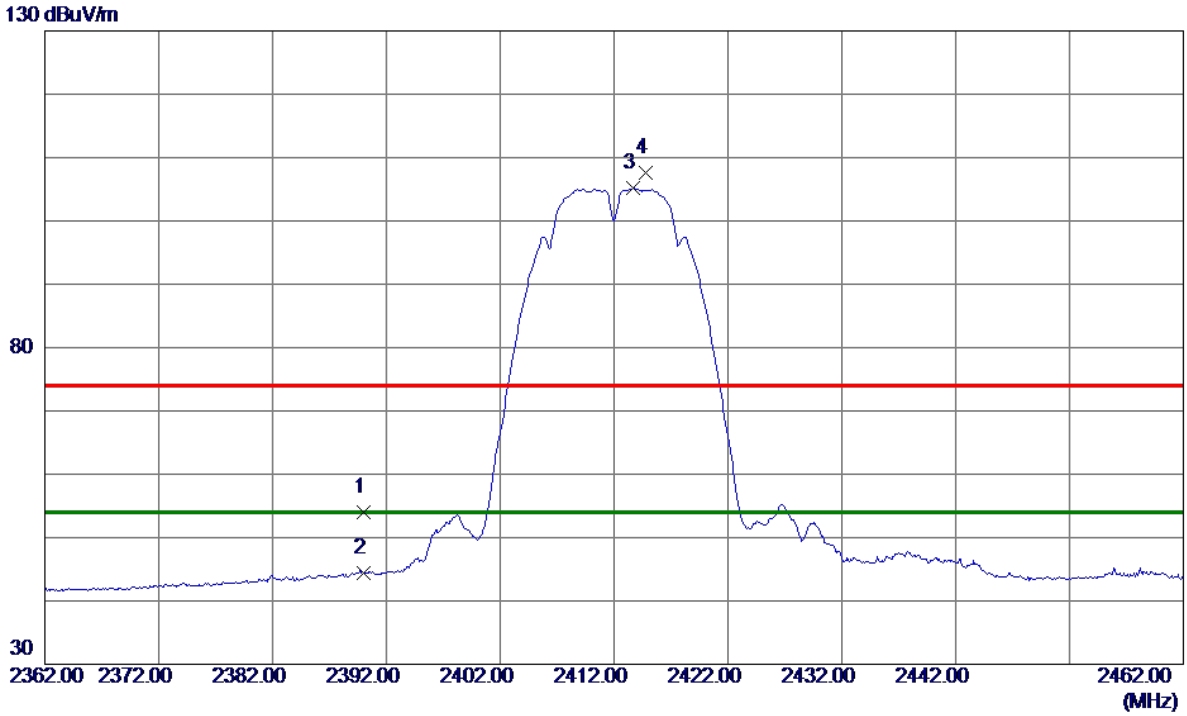


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		250.190	43.15	-12.92	30.23	46.00	-15.77	peak	
2		275.410	34.70	-11.84	22.86	46.00	-23.14	peak	
3	*	375.320	47.13	-9.36	37.77	46.00	-8.23	peak	
4		450.010	32.68	-7.41	25.27	46.00	-20.73	peak	
5		500.450	35.31	-6.54	28.77	46.00	-17.23	peak	
6		737.130	32.63	-2.23	30.40	46.00	-15.60	peak	

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

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

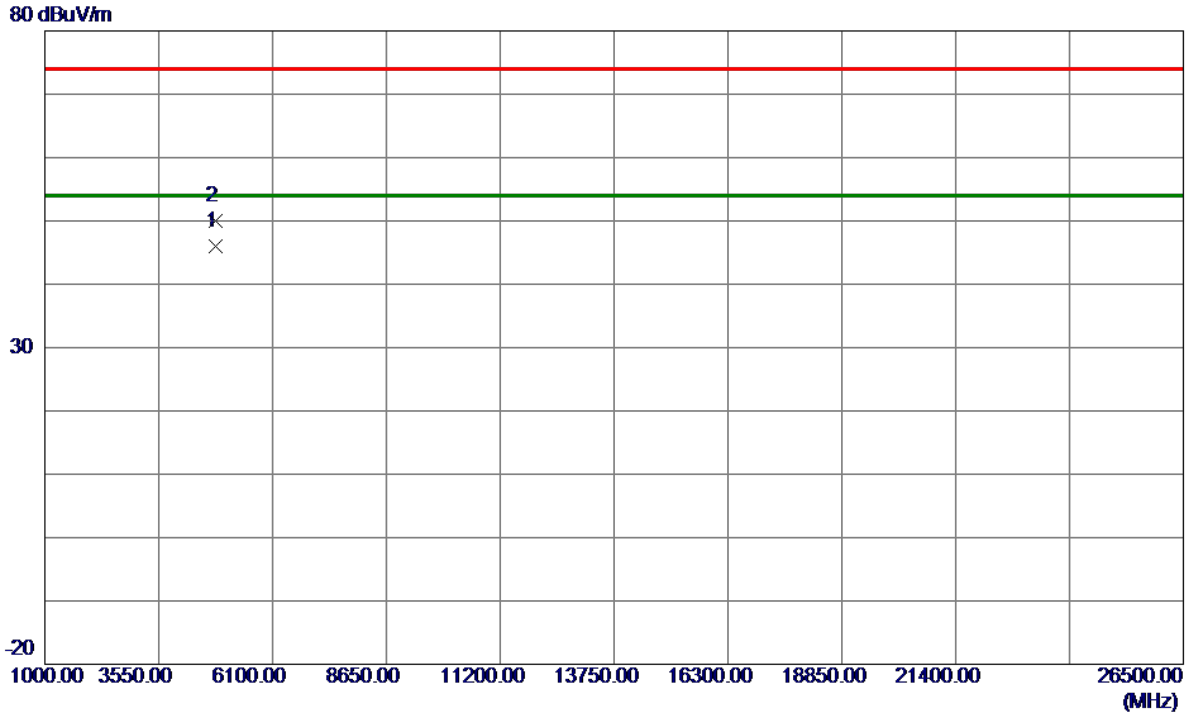
Test Mode	TX B Mode 2412 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	45.69	8.31	54.00	74.00	-20.00	Peak	
2	2390.0000	36.13	8.31	44.44	54.00	-9.56	AVG	
3 *	2413.7000	96.83	8.34	105.17	54.00	51.17	AVG	No Limit
4	2414.8000	99.19	8.34	107.53	74.00	33.53	Peak	No Limit

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

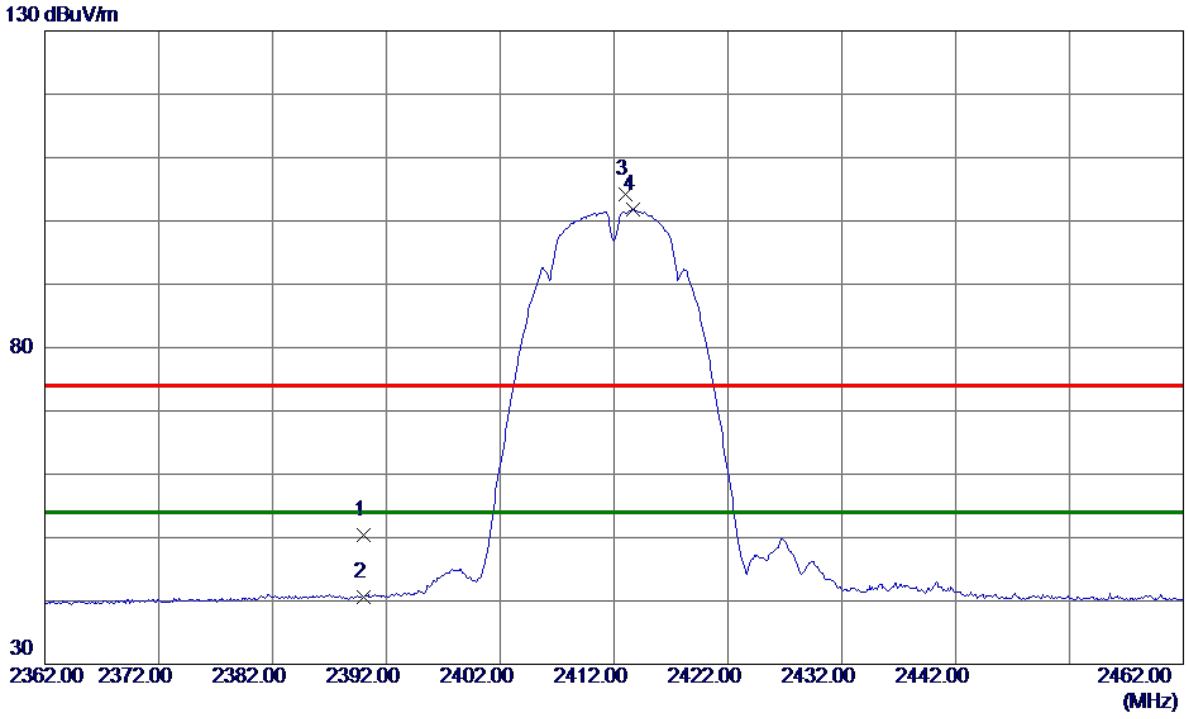
Test Mode	TX B Mode 2412 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.0099	40.81	5.23	46.04	54.00	-7.96	AVG	
2	4824.0110	44.75	5.23	49.98	74.00	-24.02	Peak	

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

Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	42.11	8.31	50.42	74.00	-23.58	Peak	
2	2390.0000	32.33	8.31	40.64	54.00	-13.36	AVG	
3	2413.0000	95.83	8.33	104.16	74.00	30.16	Peak	No Limit
4 *	2413.7000	93.55	8.34	101.89	54.00	47.89	AVG	No Limit

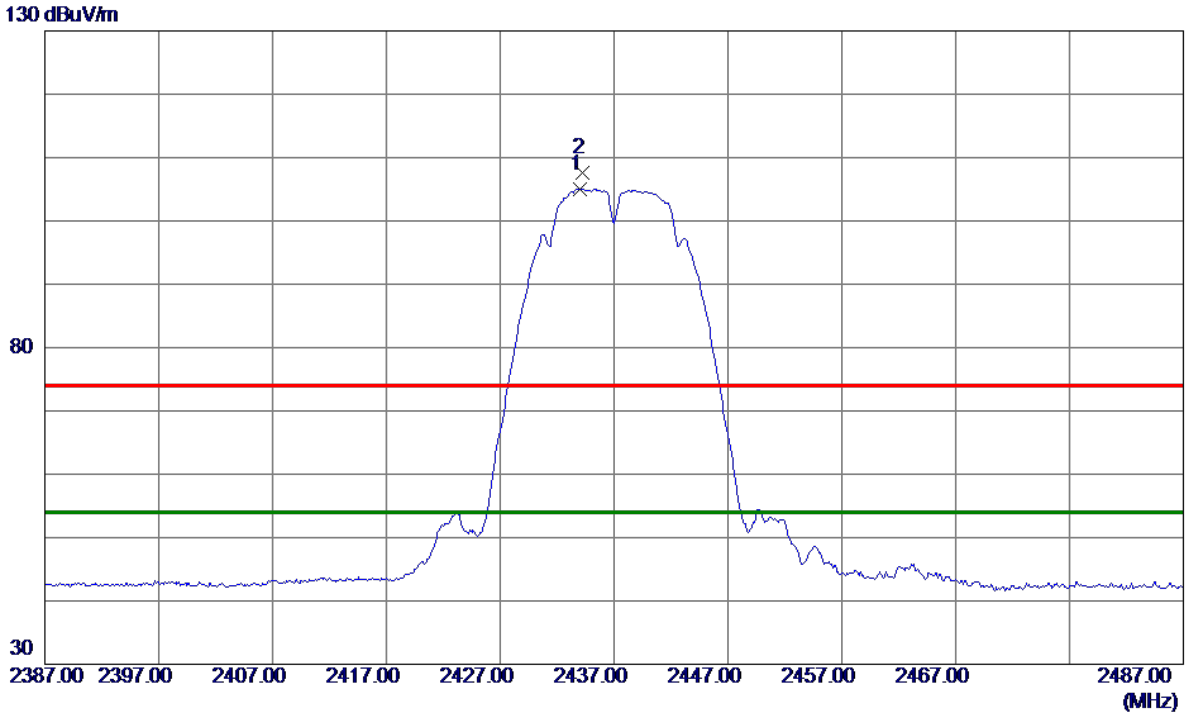
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9590	48.04	5.23	53.27	74.00	-20.73	Peak	
2 *	4823.9730	45.63	5.23	50.86	54.00	-3.14	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 *	2434.0000	96.71	8.36	105.07	54.00	51.07	AVG	No Limit
2	2434.2000	99.15	8.36	107.51	74.00	33.51	Peak	No Limit

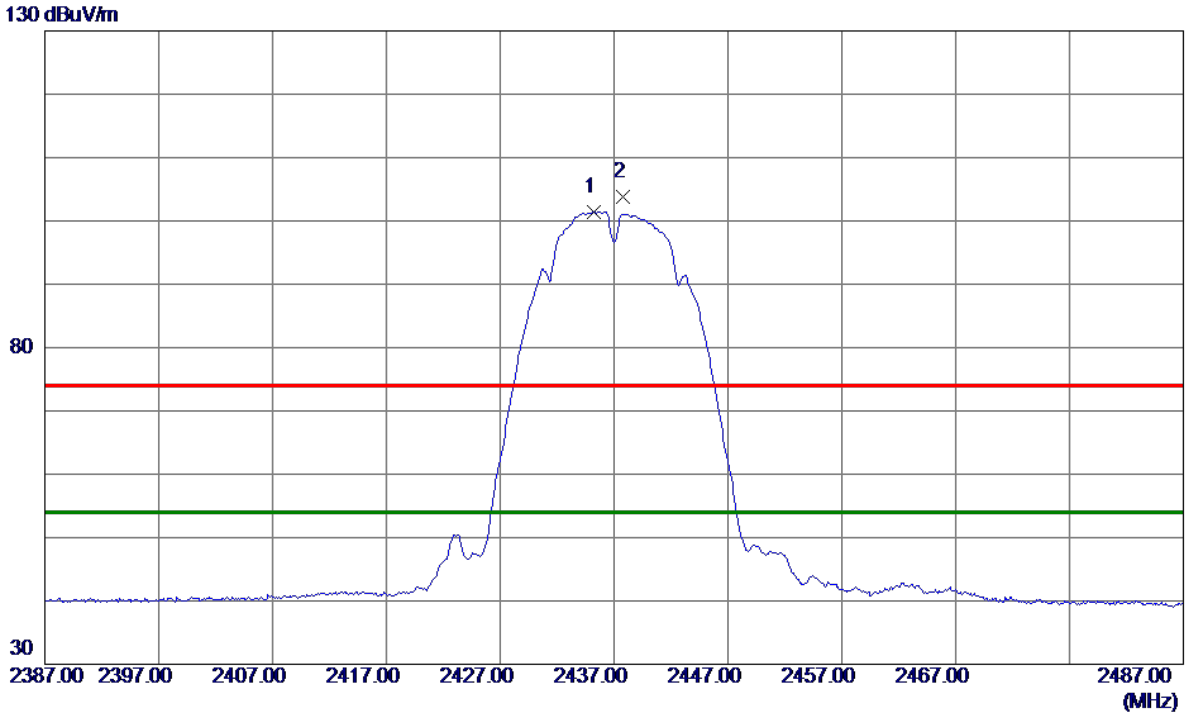
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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	4873.9310	43.30	5.48	48.78	74.00	-25.22	Peak	
2 *	4873.9820	39.56	5.48	45.04	54.00	-8.96	AVG	

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

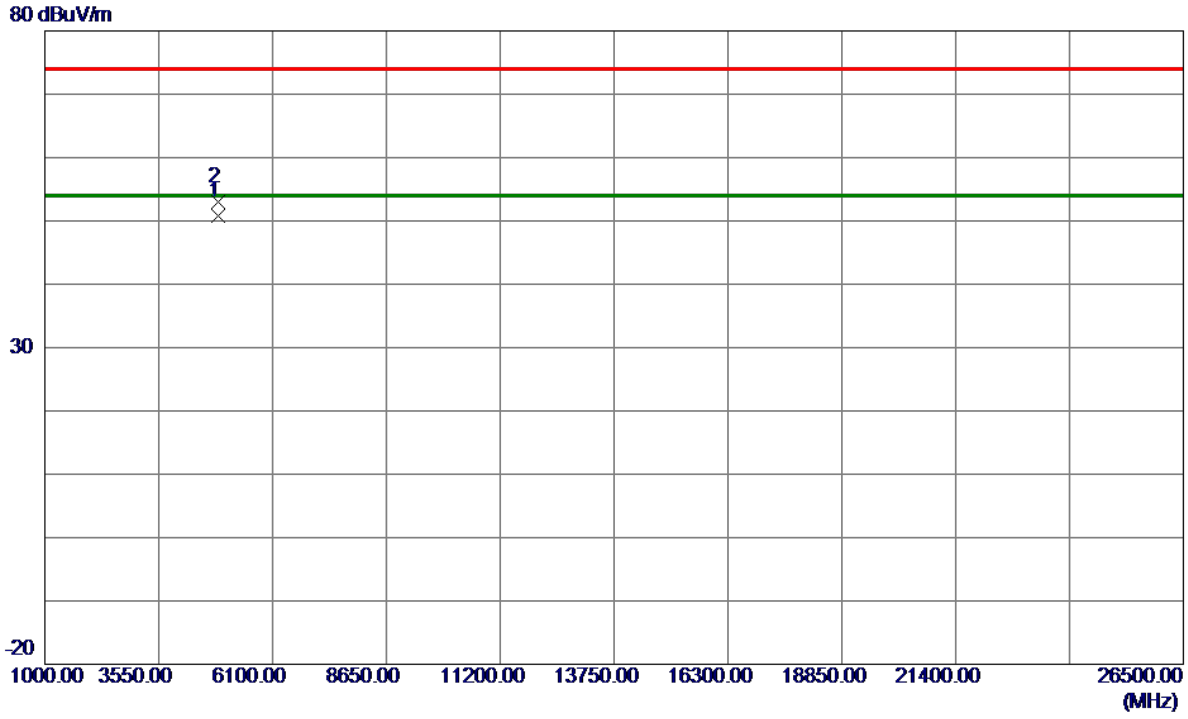
Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2435.2000	93.09	8.36	101.45	54.00	47.45	AVG	No Limit
2	2437.8000	95.38	8.37	103.75	74.00	29.75	Peak	No Limit

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

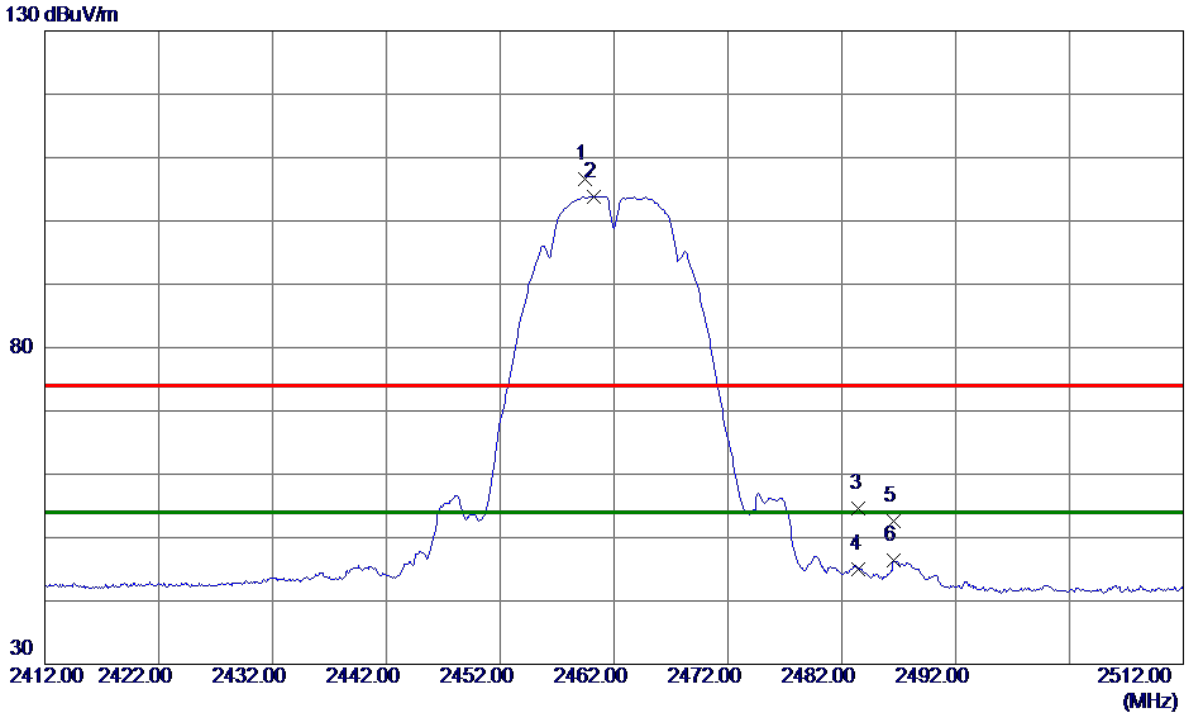
Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.9810	45.38	5.48	50.86	54.00	-3.14	AVG	
2	4873.9870	47.46	5.48	52.94	74.00	-21.06	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	2459.4000	98.13	8.39	106.52	74.00	32.52	Peak	No Limit
2 *	2460.2000	95.49	8.39	103.88	54.00	49.88	AVG	No Limit
3	2483.5000	46.09	8.42	54.51	74.00	-19.49	Peak	
4	2483.5000	36.59	8.42	45.01	54.00	-8.99	AVG	
5	2486.6000	44.26	8.43	52.69	74.00	-21.31	Peak	
6	2486.6000	37.94	8.43	46.37	54.00	-7.63	AVG	

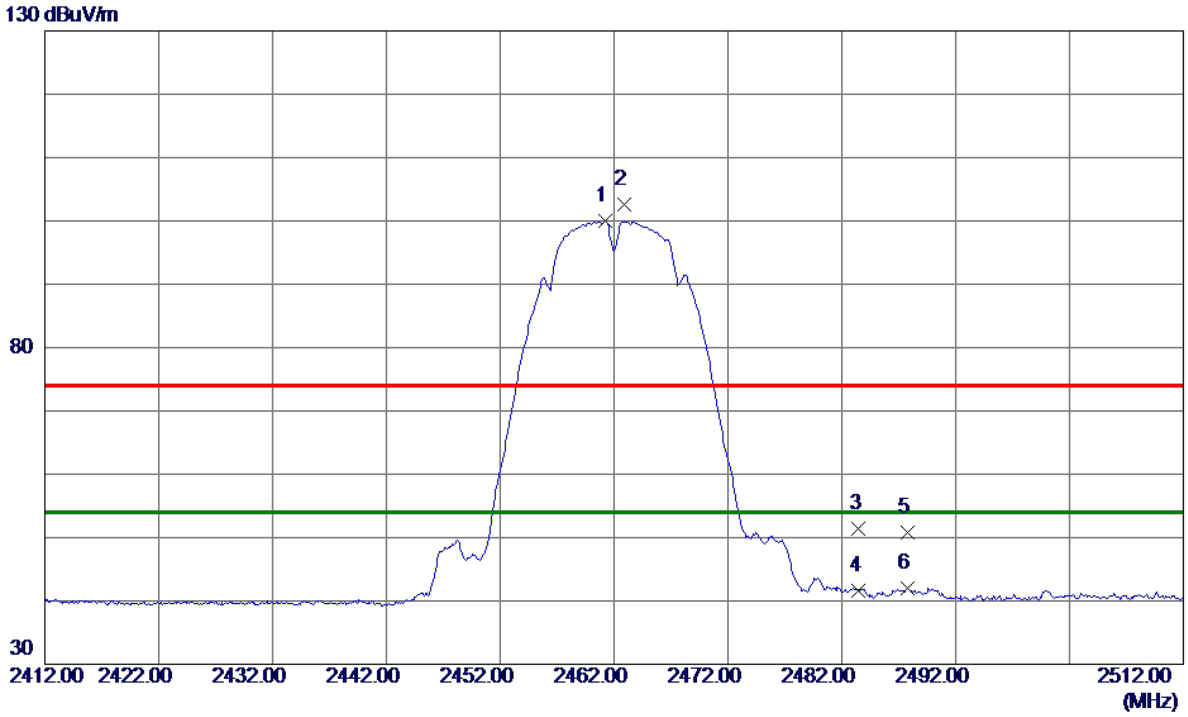
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX 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	4923.9210	44.91	5.73	50.64	74.00	-23.36	Peak	
2 *	4923.9630	40.81	5.73	46.54	54.00	-7.46	AVG	

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

Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2461.2000	91.50	8.40	99.90	54.00	45.90	AVG	No Limit
2	2462.9000	94.18	8.40	102.58	74.00	28.58	Peak	No Limit
3	2483.5000	43.04	8.42	51.46	74.00	-22.54	Peak	
4	2483.5000	33.23	8.42	41.65	54.00	-12.35	AVG	
5	2487.8000	42.41	8.43	50.84	74.00	-23.16	Peak	
6	2487.8000	33.55	8.43	41.98	54.00	-12.02	AVG	

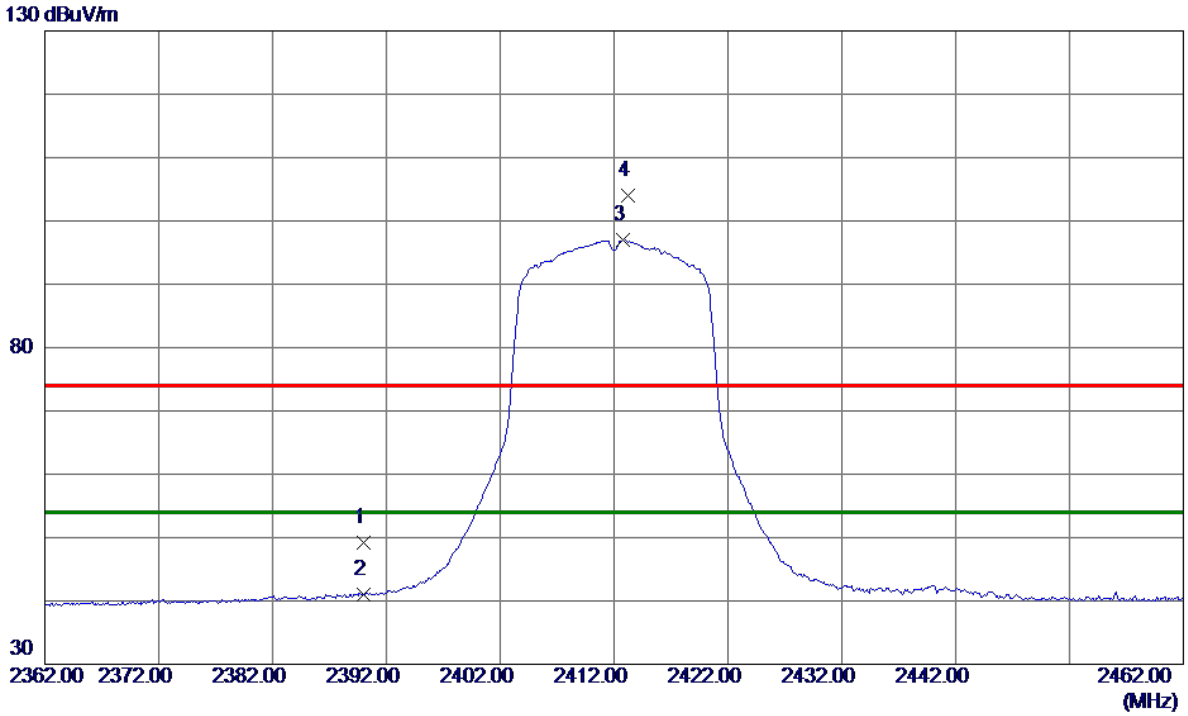
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.9120	47.42	5.73	53.15	74.00	-20.85	Peak	
2 *	4923.9810	44.76	5.73	50.49	54.00	-3.51	AVG	

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	2390.0000	40.85	8.31	49.16	74.00	-24.84	Peak	
2	2390.0000	32.65	8.31	40.96	54.00	-13.04	AVG	
3 *	2412.8000	88.60	8.33	96.93	54.00	42.93	AVG	No Limit
4	2413.2000	95.71	8.33	104.04	74.00	30.04	Peak	No Limit

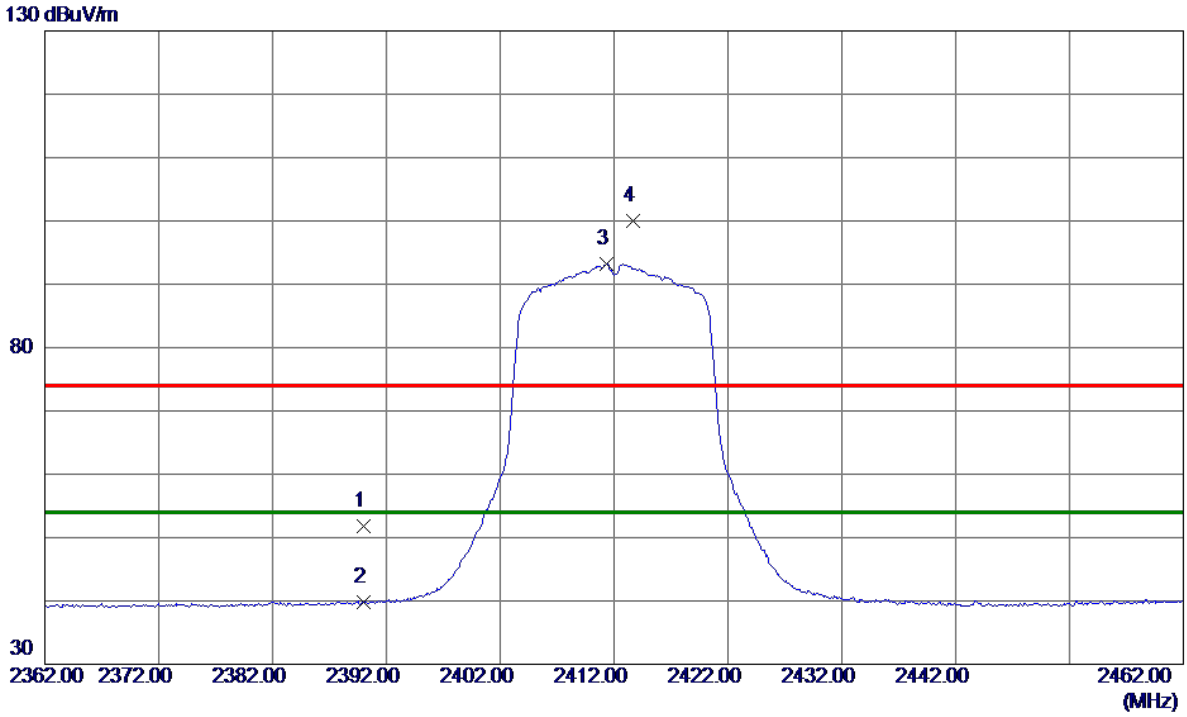
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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 *	4824.1820	29.39	5.23	34.62	54.00	-19.38	AVG	
2	4824.2350	40.65	5.23	45.88	74.00	-28.12	Peak	

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

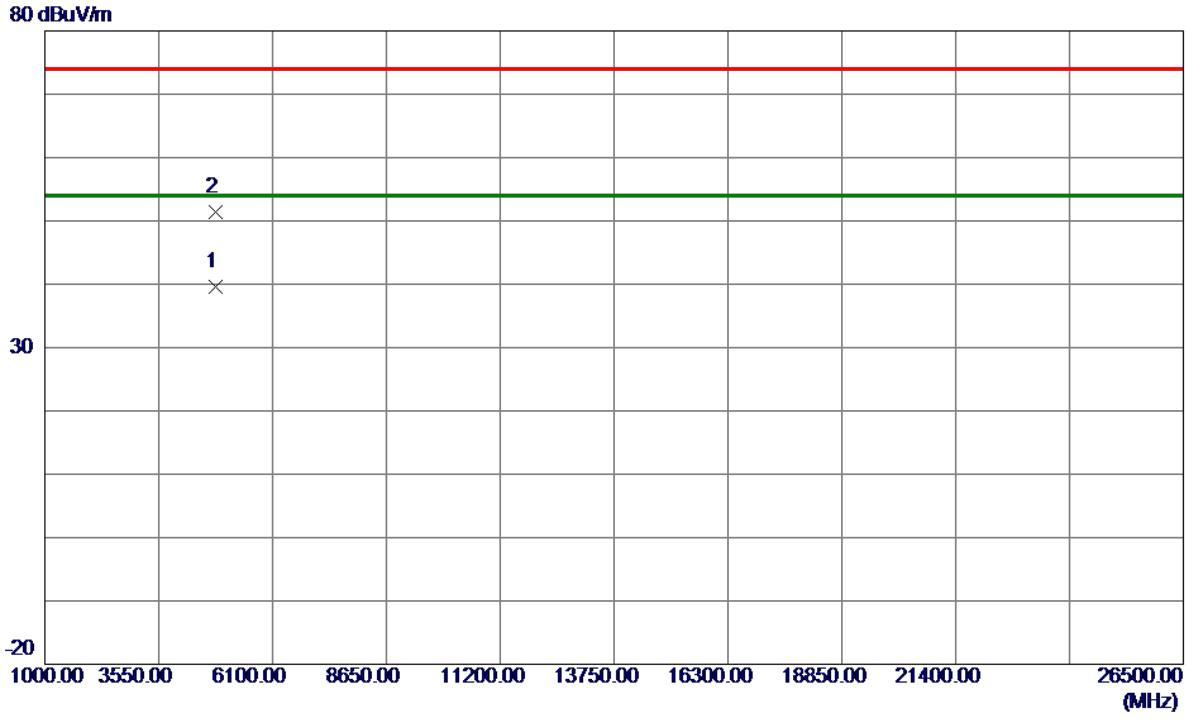
Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	43.44	8.31	51.75	74.00	-22.25	Peak	
2	2390.0000	31.42	8.31	39.73	54.00	-14.27	AVG	
3 *	2411.3000	84.86	8.33	93.19	54.00	39.19	AVG	No Limit
4	2413.7000	91.67	8.34	100.01	74.00	26.01	Peak	No Limit

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

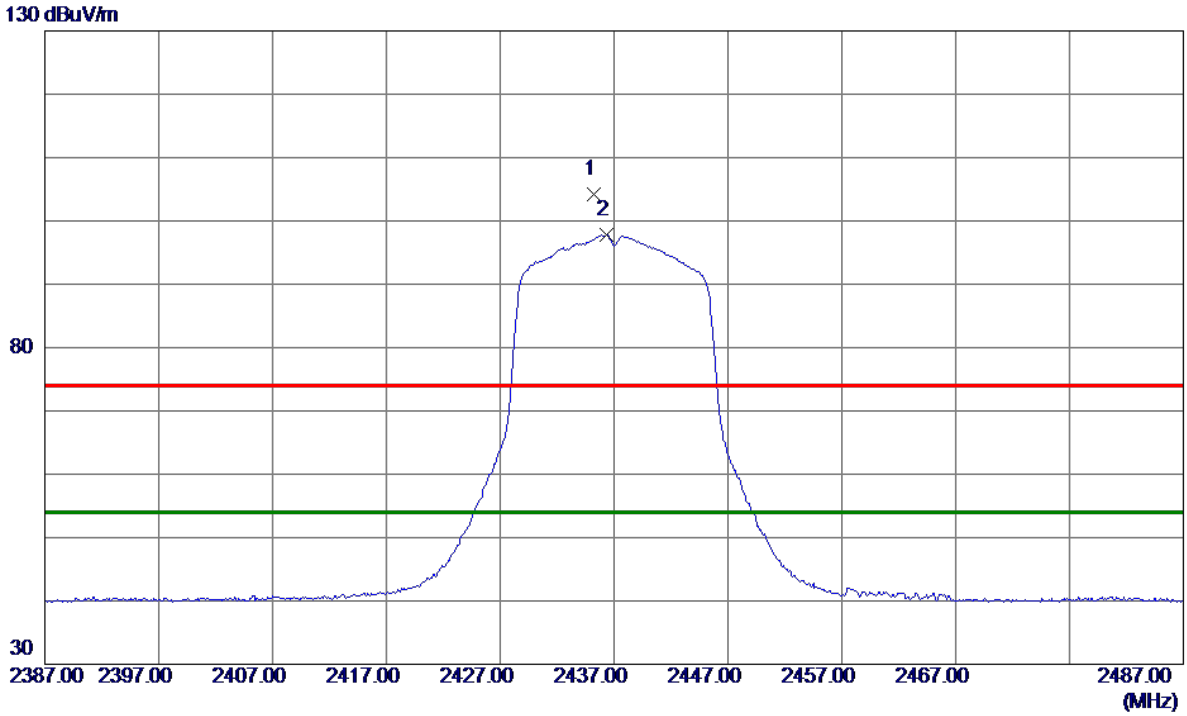
Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823.8820	34.29	5.23	39.52	54.00	-14.48	AVG	
2	4824.8929	46.12	5.23	51.35	74.00	-22.65	Peak	

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

Test Mode	TX G Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2435.2000	95.78	8.36	104.14	74.00	30.14	Peak	No Limit
2 *	2436.3000	89.40	8.36	97.76	54.00	43.76	AVG	No Limit

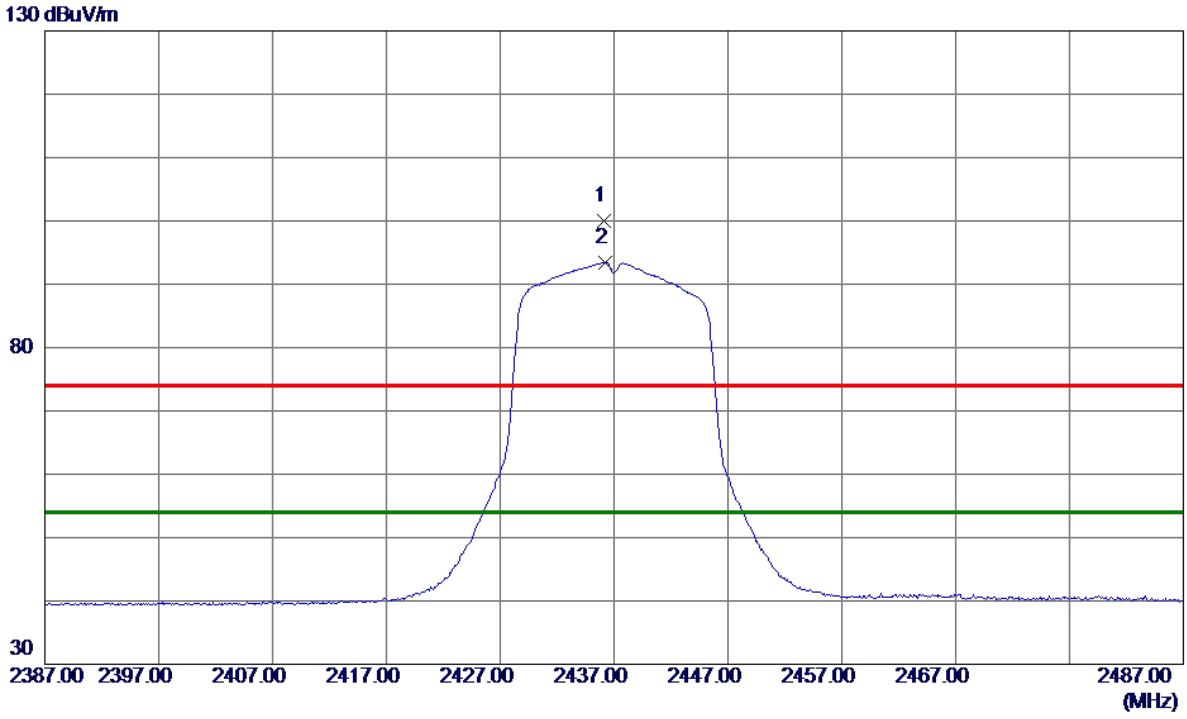
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2437 MHz	Polarization	Vertical

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.4960	39.52	5.48	45.00	74.00	-29.00	Peak	
2 *	4873.9670	28.54	5.48	34.02	54.00	-19.98	AVG	

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

Test Mode	TX G 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	2436.1000	91.65	8.36	100.01	74.00	26.01	Peak	No Limit
2 *	2436.2000	85.08	8.36	93.44	54.00	39.44	AVG	No Limit

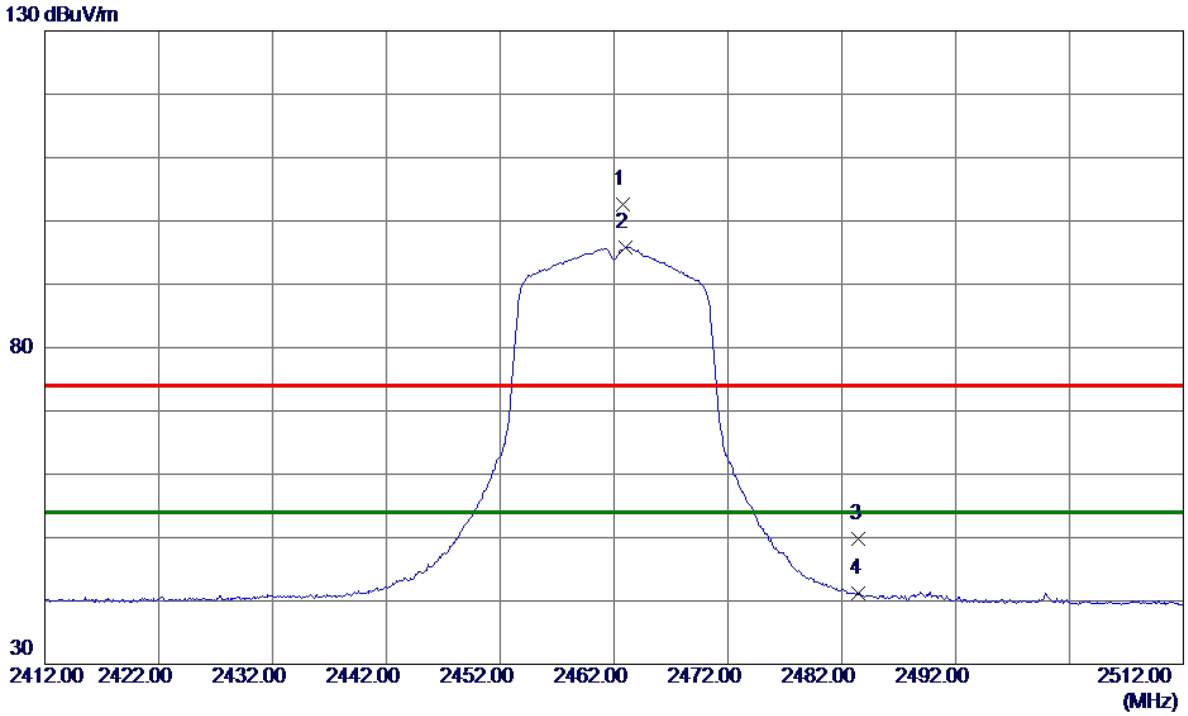
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.8120	33.30	5.48	38.78	54.00	-15.22	AVG	
2	4874.6570	44.72	5.48	50.20	74.00	-23.80	Peak	

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

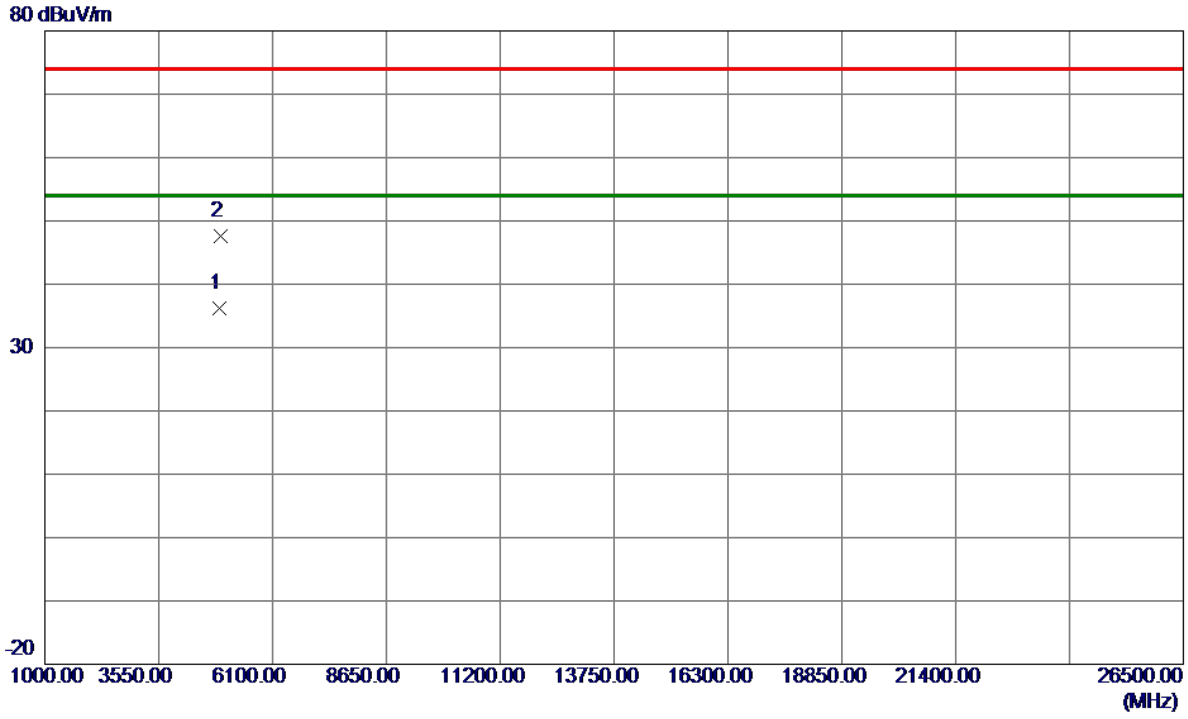
Test Mode	TX G Mode 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2462.8000	94.12	8.40	102.52	74.00	28.52	Peak	No Limit
2 *	2463.0000	87.41	8.40	95.81	54.00	41.81	AVG	No Limit
3	2483.5000	41.44	8.42	49.86	74.00	-24.14	Peak	
4	2483.5000	32.77	8.42	41.19	54.00	-12.81	AVG	

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

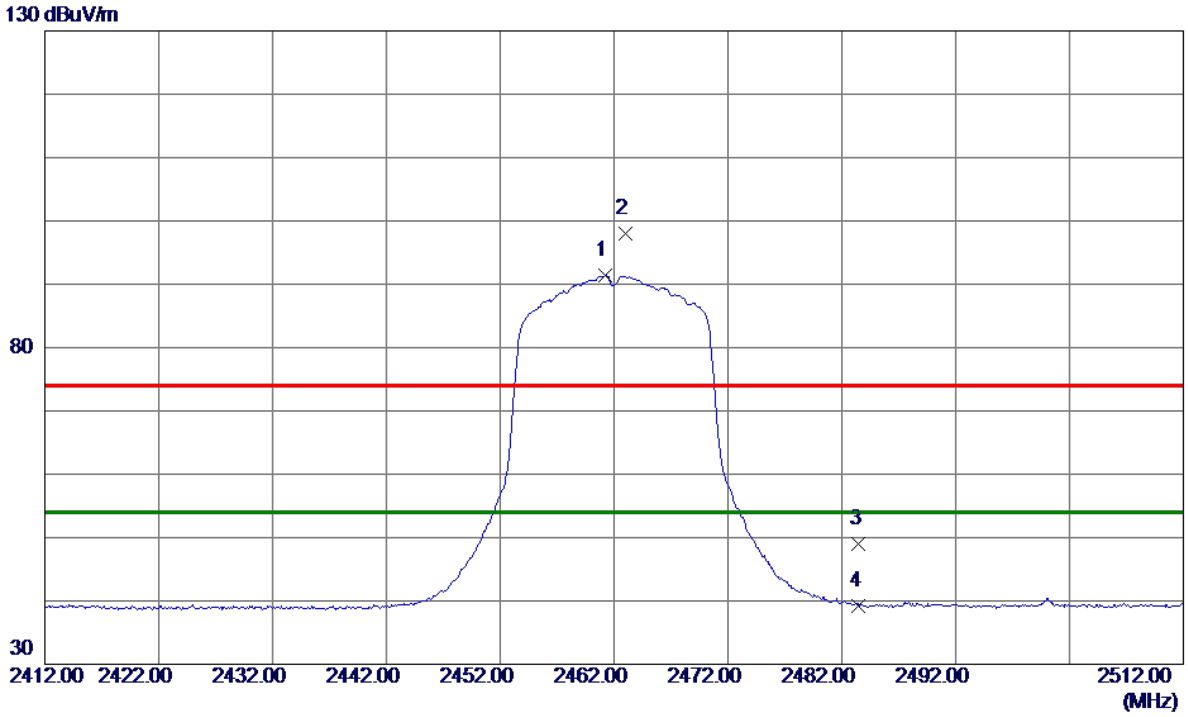
Test Mode	TX G Mode 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924.1240	30.41	5.74	36.15	54.00	-17.85	AVG	
2	4924.4620	41.82	5.74	47.56	74.00	-26.44	Peak	

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

Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2461.2000	82.94	8.40	91.34	54.00	37.34	AVG	No Limit
2	2463.0000	89.58	8.40	97.98	74.00	23.98	Peak	No Limit
3	2483.5000	40.50	8.42	48.92	74.00	-25.08	Peak	
4	2483.5000	30.85	8.42	39.27	54.00	-14.73	AVG	

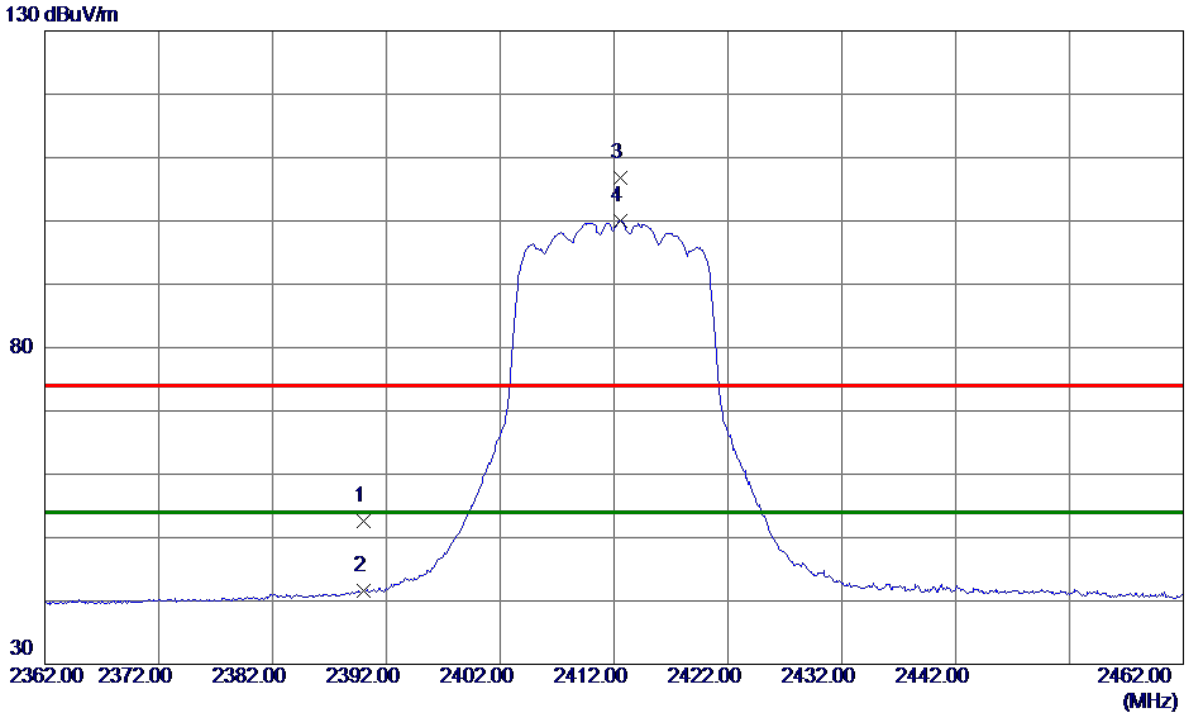
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal

No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924.2850	32.65	5.74	38.39	54.00	-15.61	AVG	
2	4924.4980	45.01	5.74	50.75	74.00	-23.25	Peak	

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

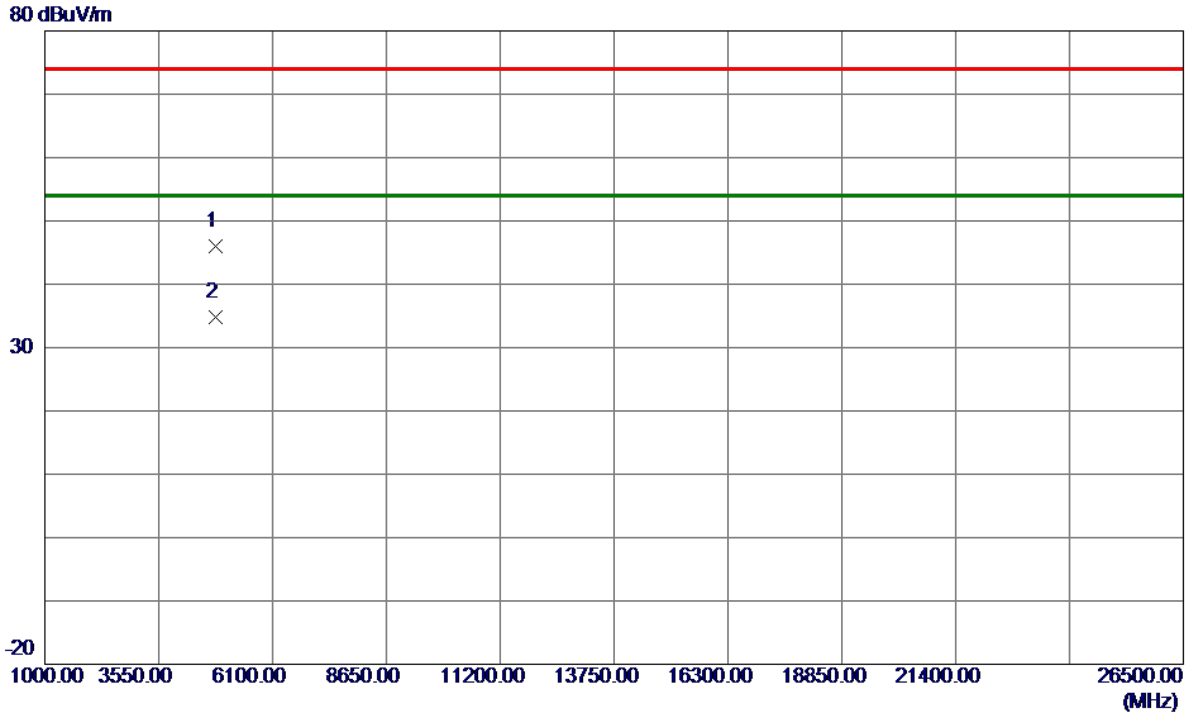
Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	44.31	8.31	52.62	74.00	-21.38	Peak	
2	2390.0000	33.26	8.31	41.57	54.00	-12.43	AVG	
3	2412.6000	98.48	8.33	106.81	74.00	32.81	Peak	No Limit
4 *	2412.6000	91.72	8.33	100.05	54.00	46.05	AVG	No Limit

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

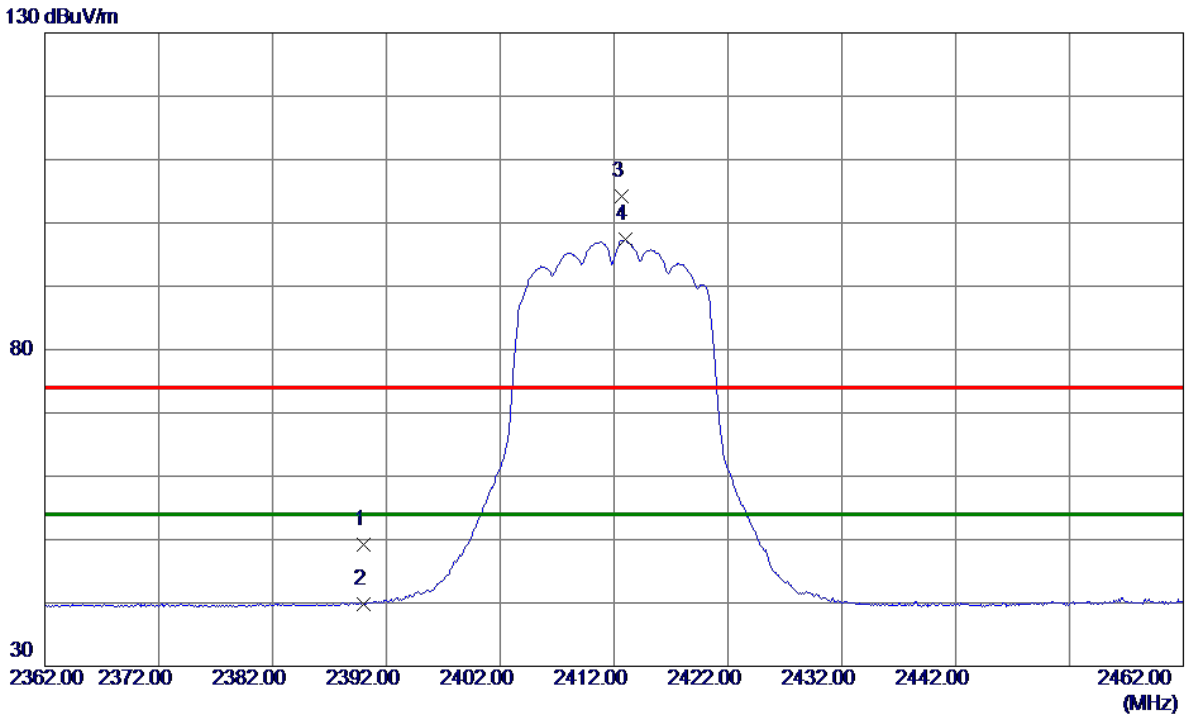
Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4824.5890	40.77	5.23	46.00	74.00	-28.00	Peak	
2 *	4824.9620	29.54	5.23	34.77	54.00	-19.23	AVG	

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

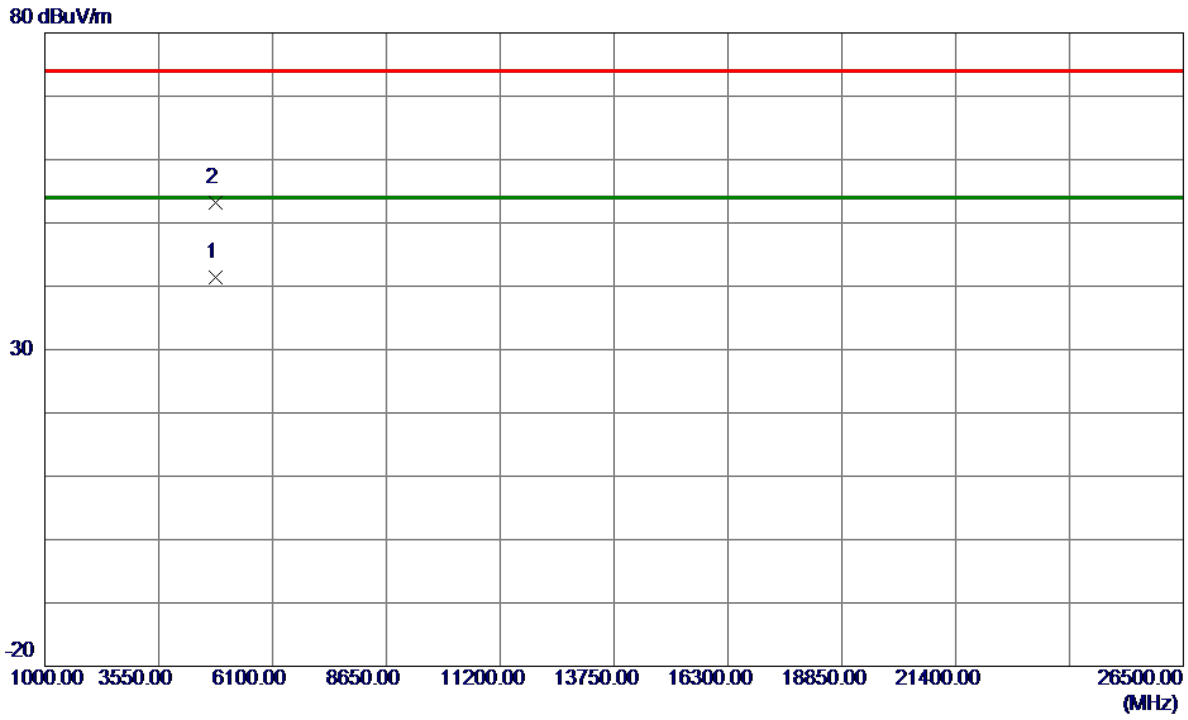
Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	40.92	8.31	49.23	74.00	-24.77	Peak	
2	2390.0000	31.47	8.31	39.78	54.00	-14.22	AVG	
3	2412.7000	95.84	8.33	104.17	74.00	30.17	Peak	No Limit
4 *	2413.0000	89.01	8.33	97.34	54.00	43.34	AVG	No Limit

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

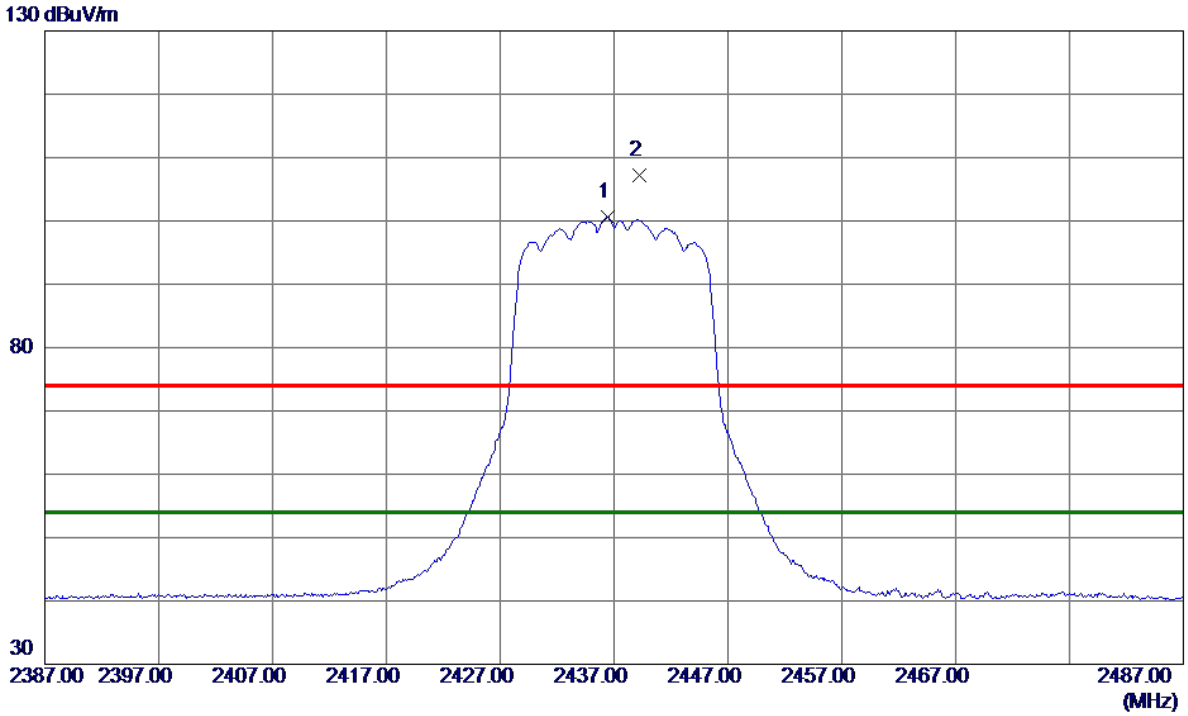
Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.8320	36.14	5.23	41.37	54.00	-12.63	AVG	
2	4824.9620	47.88	5.23	53.11	74.00	-20.89	Peak	

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

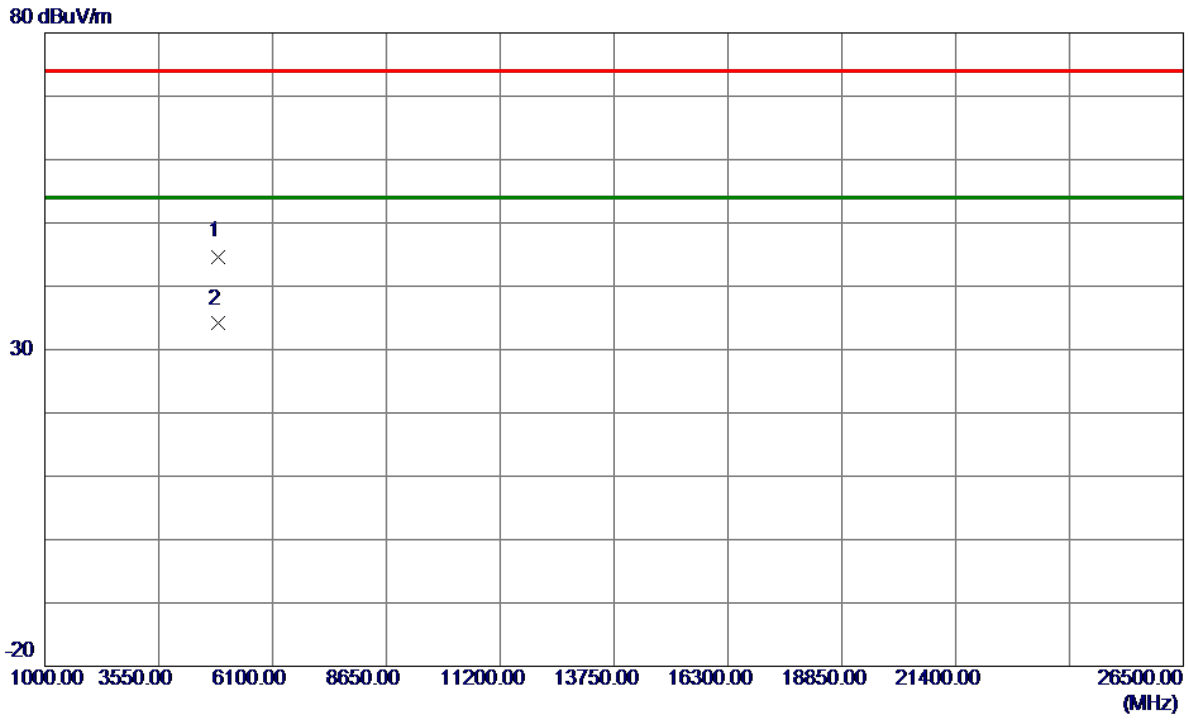
Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2436.4000	92.30	8.36	100.66	54.00	46.66	AVG	No Limit
2	2439.2000	98.88	8.37	107.25	74.00	33.25	Peak	No Limit

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

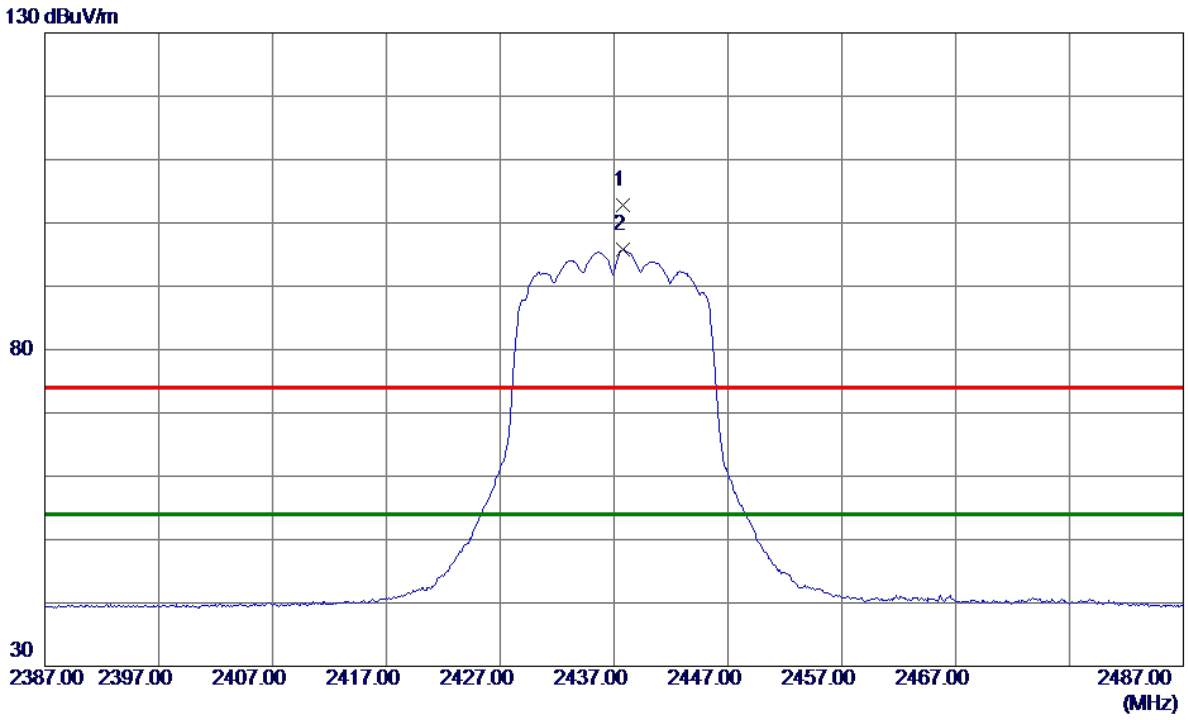
Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.6640	39.22	5.48	44.70	74.00	-29.30	Peak	
2 *	4874.9720	28.61	5.49	34.10	54.00	-19.90	AVG	

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

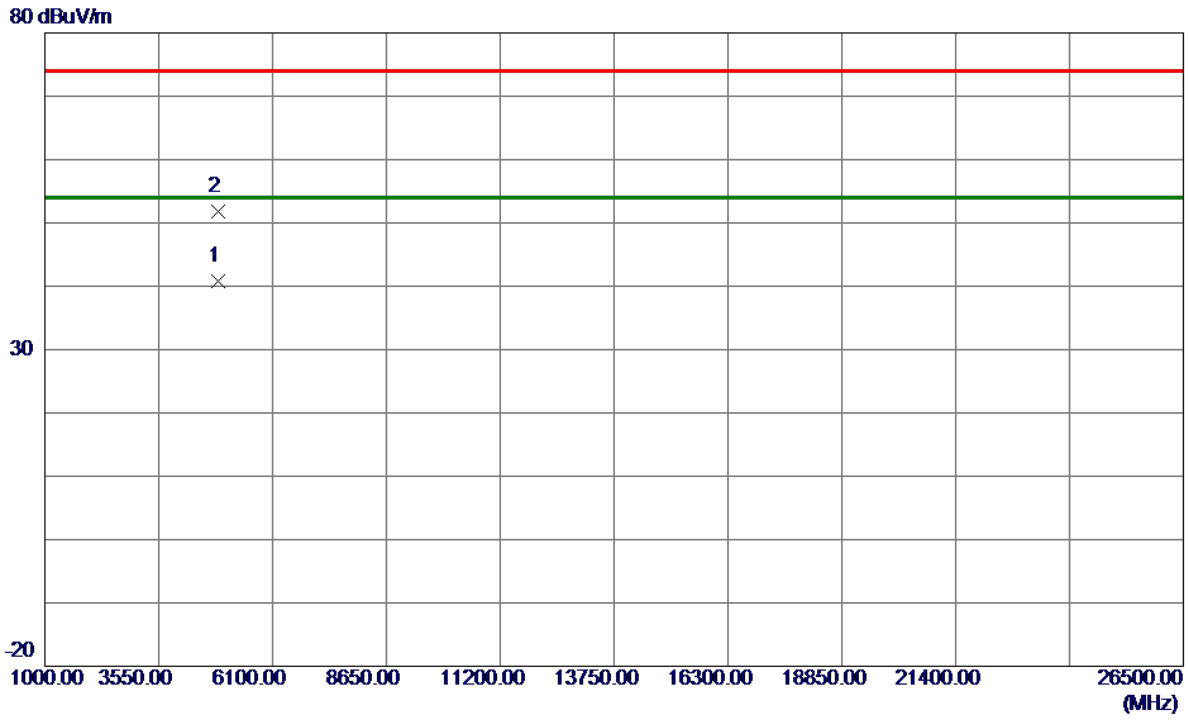
Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2437.8000	94.36	8.37	102.73	74.00	28.73	Peak	No Limit
2 *	2437.8000	87.43	8.37	95.80	54.00	41.80	AVG	No Limit

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

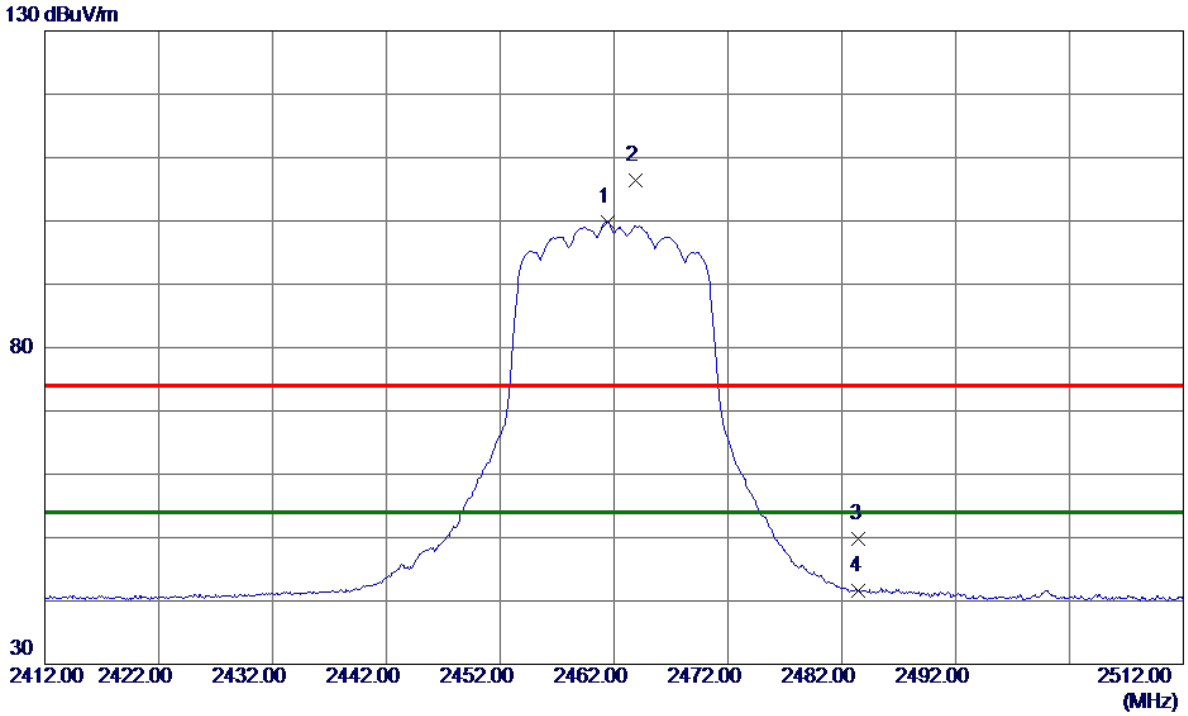
Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4874.5400	35.38	5.48	40.86	54.00	-13.14	AVG	
2	4874.8080	46.23	5.49	51.72	74.00	-22.28	Peak	

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

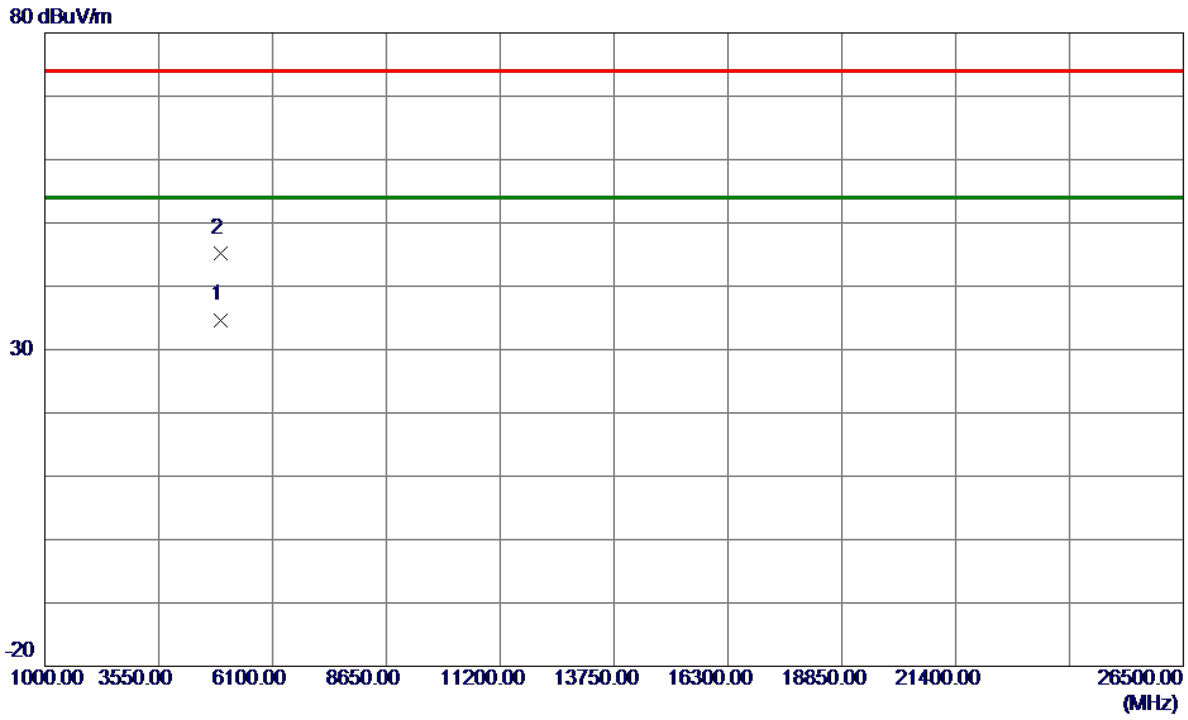
Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2461.4000	91.45	8.40	99.85	54.00	45.85	AVG	No Limit
2	2463.9000	98.00	8.40	106.40	74.00	32.40	Peak	No Limit
3	2483.5000	41.29	8.42	49.71	74.00	-24.29	Peak	
4	2483.5000	33.14	8.42	41.56	54.00	-12.44	AVG	

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

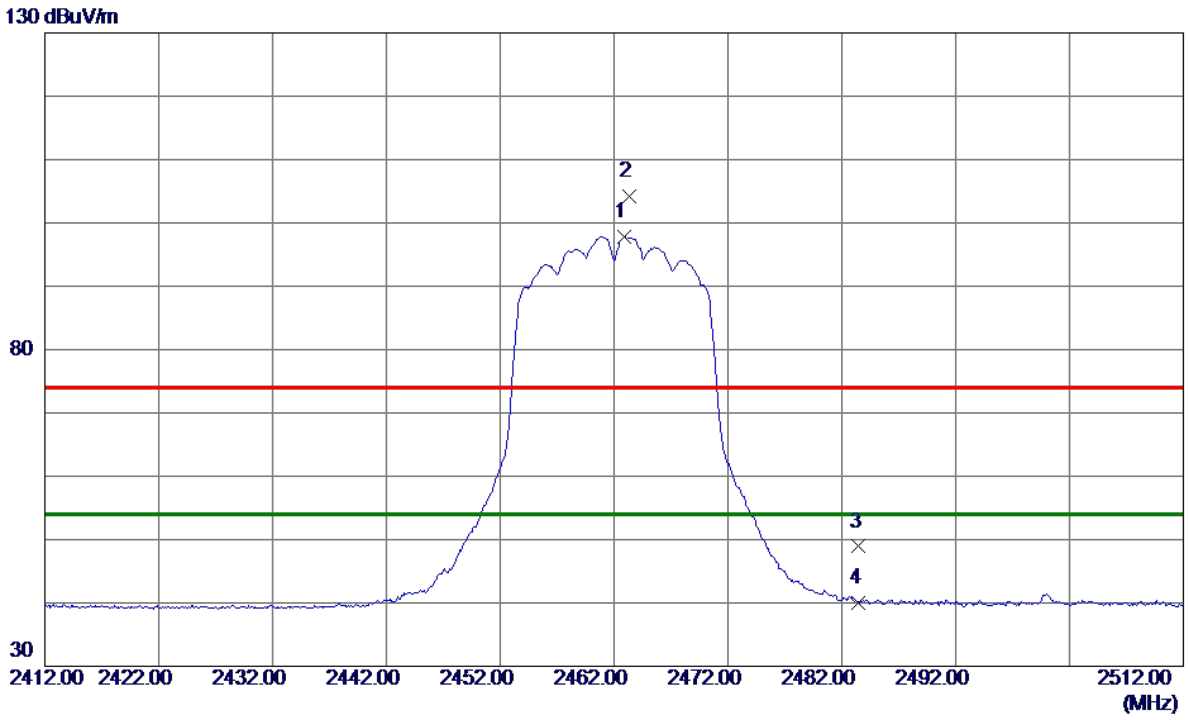
Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924.7550	28.96	5.74	34.70	54.00	-19.30	AVG	
2	4924.8310	39.47	5.74	45.21	74.00	-28.79	Peak	

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

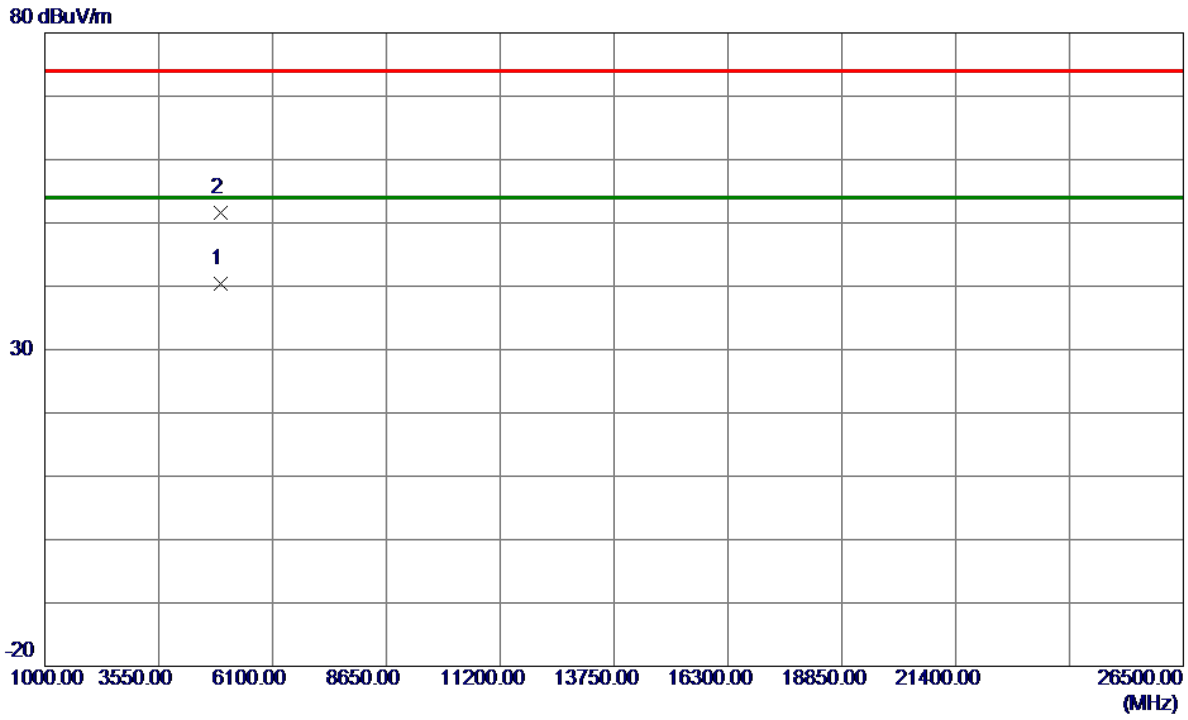
Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2462.9000	89.41	8.40	97.81	54.00	43.81	AVG	No Limit
2	2463.3000	95.80	8.40	104.20	74.00	30.20	Peak	No Limit
3	2483.5000	40.48	8.42	48.90	74.00	-25.10	Peak	
4	2483.5000	31.60	8.42	40.02	54.00	-13.98	AVG	

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

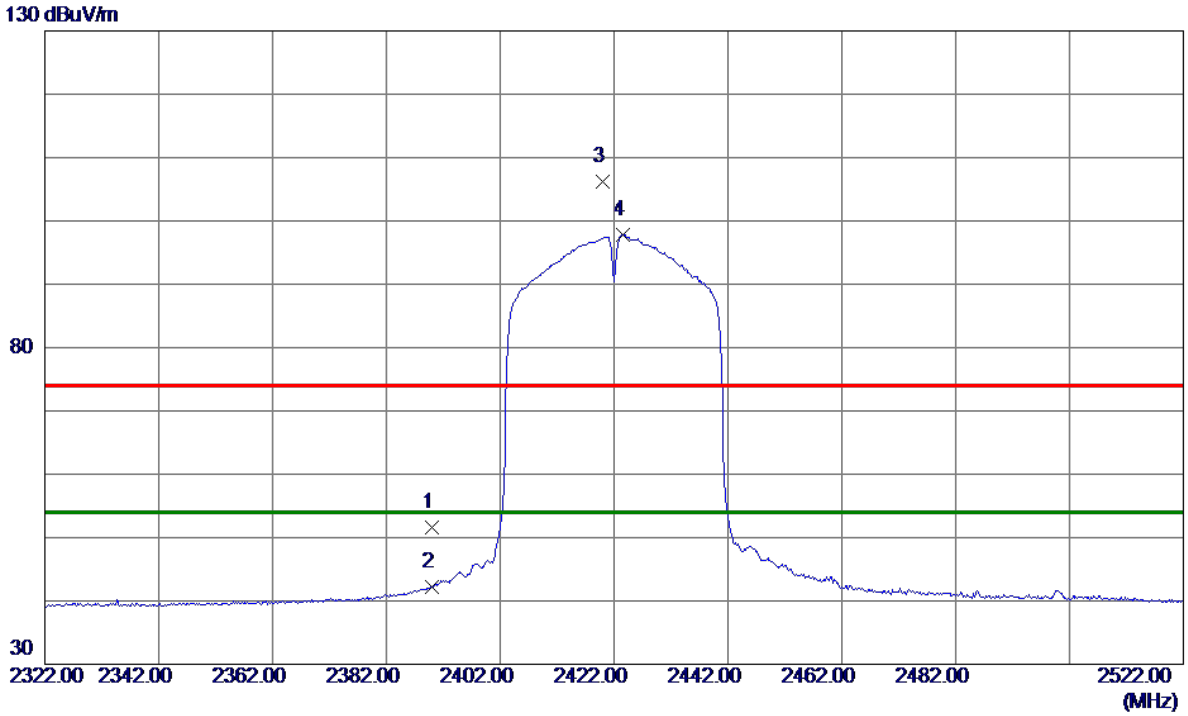
Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924.8020	34.64	5.74	40.38	54.00	-13.62	AVG	
2	4924.8430	45.84	5.74	51.58	74.00	-22.42	Peak	

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

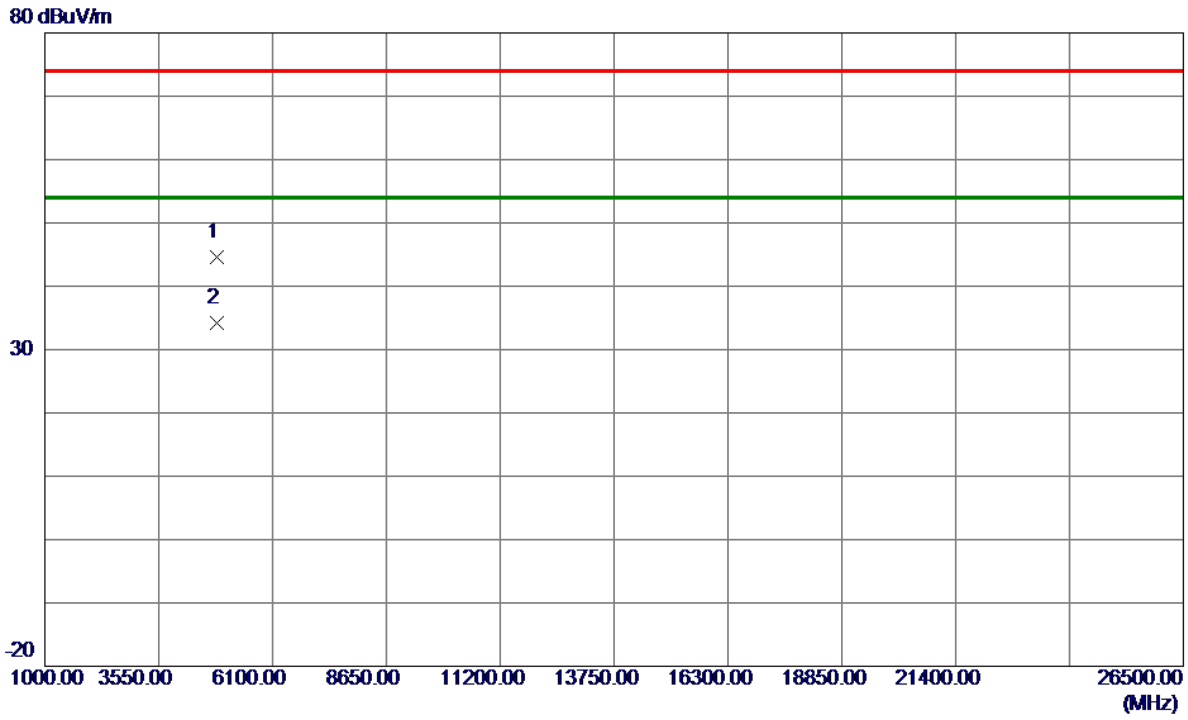
Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	43.28	8.31	51.59	74.00	-22.41	Peak	
2	2390.0000	33.85	8.31	42.16	54.00	-11.84	AVG	
3	2420.0000	97.78	8.34	106.12	74.00	32.12	Peak	No Limit
4 *	2423.6000	89.50	8.35	97.85	54.00	43.85	AVG	No Limit

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

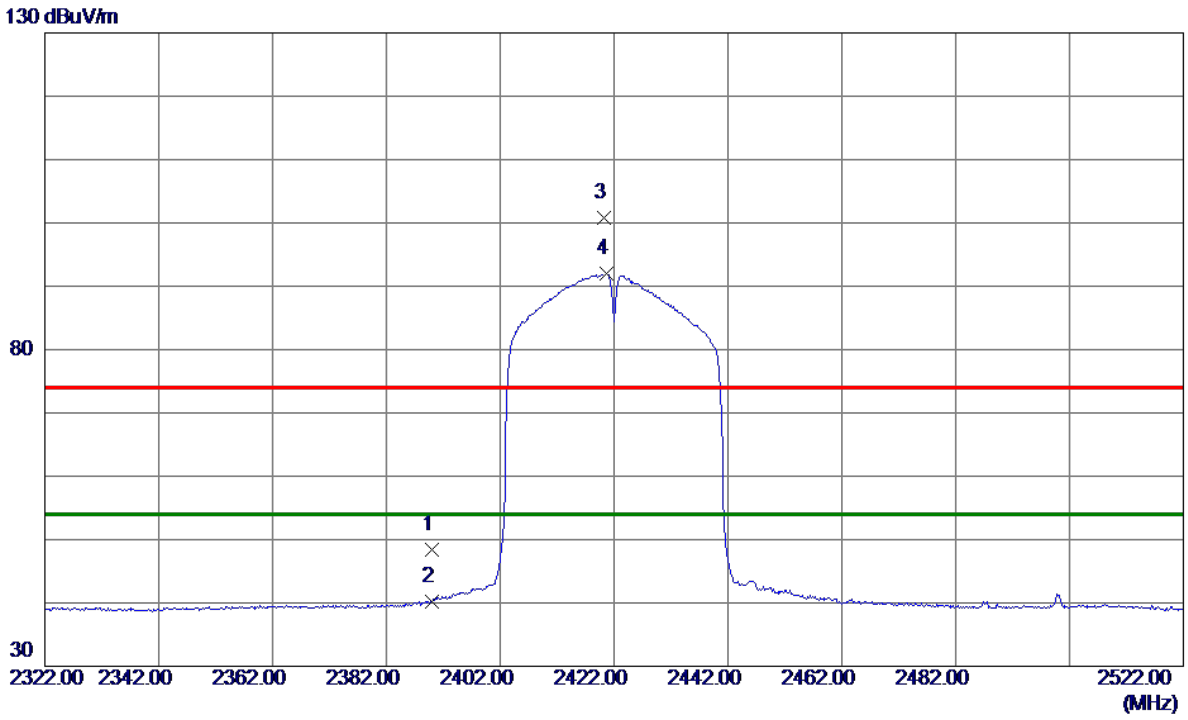
Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4843.6900	39.19	5.33	44.52	74.00	-29.48	Peak	
2 *	4844.8390	28.92	5.33	34.25	54.00	-19.75	AVG	

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

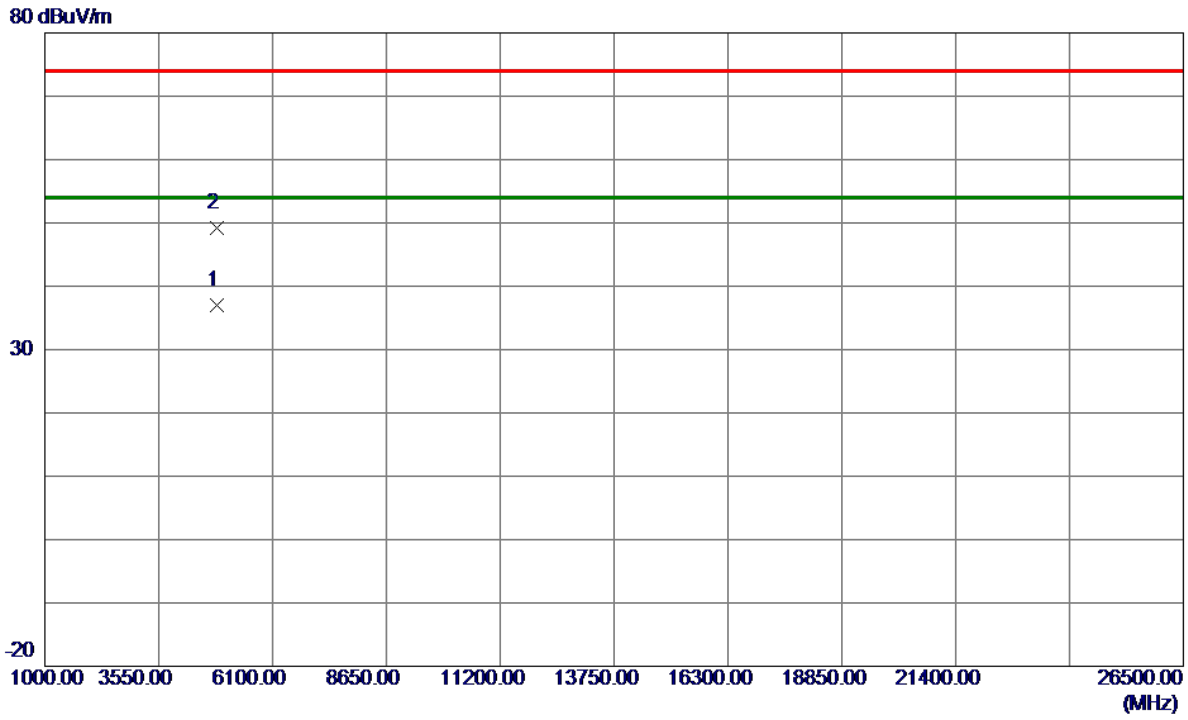
Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	40.17	8.31	48.48	74.00	-25.52	Peak	
2	2390.0000	31.93	8.31	40.24	54.00	-13.76	AVG	
3	2420.2000	92.37	8.34	100.71	74.00	26.71	Peak	No Limit
4 *	2420.6000	83.65	8.34	91.99	54.00	37.99	AVG	No Limit

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

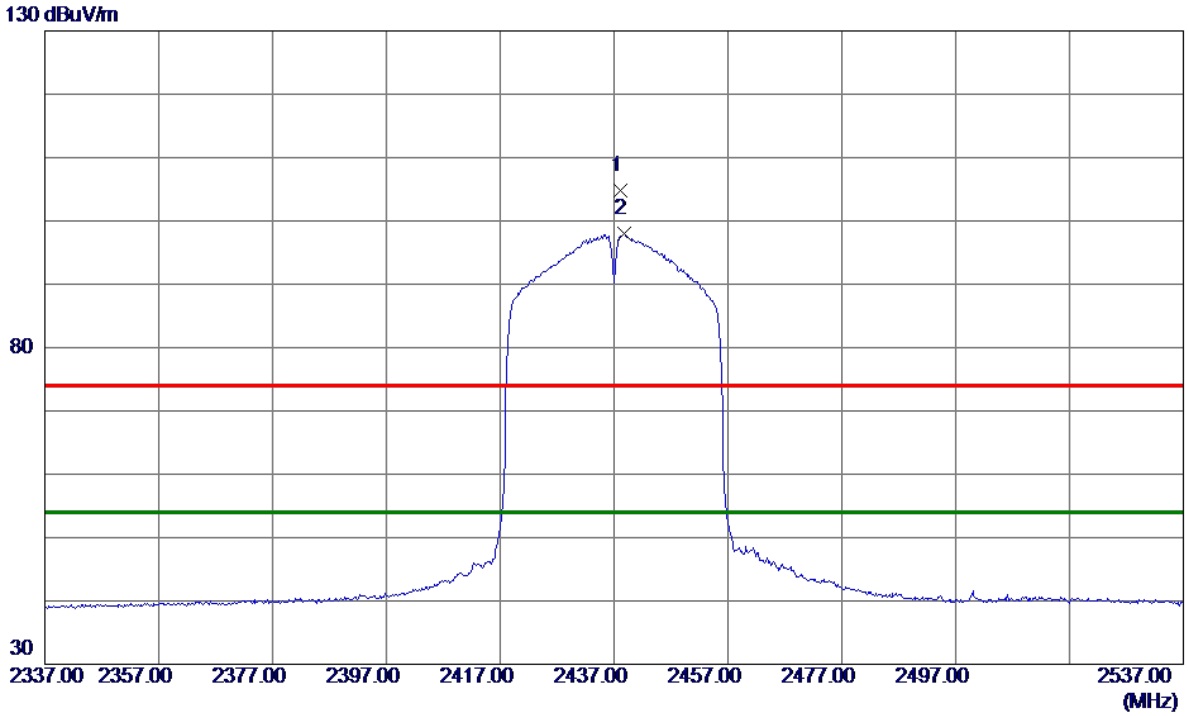
Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4843.2490	31.64	5.33	36.97	54.00	-17.03	AVG	
2	4843.4350	43.84	5.33	49.17	74.00	-24.83	Peak	

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

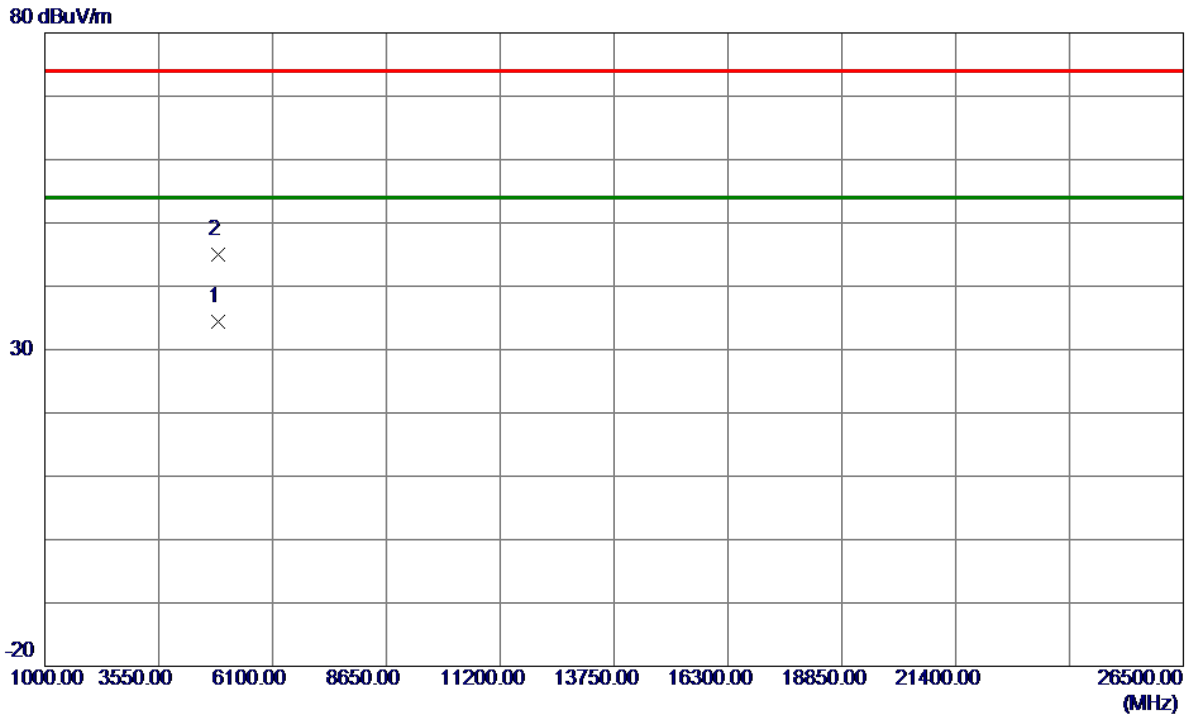
Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2438.2000	96.50	8.37	104.87	74.00	30.87	Peak	No Limit
2 *	2438.8000	89.54	8.37	97.91	54.00	43.91	AVG	No Limit

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

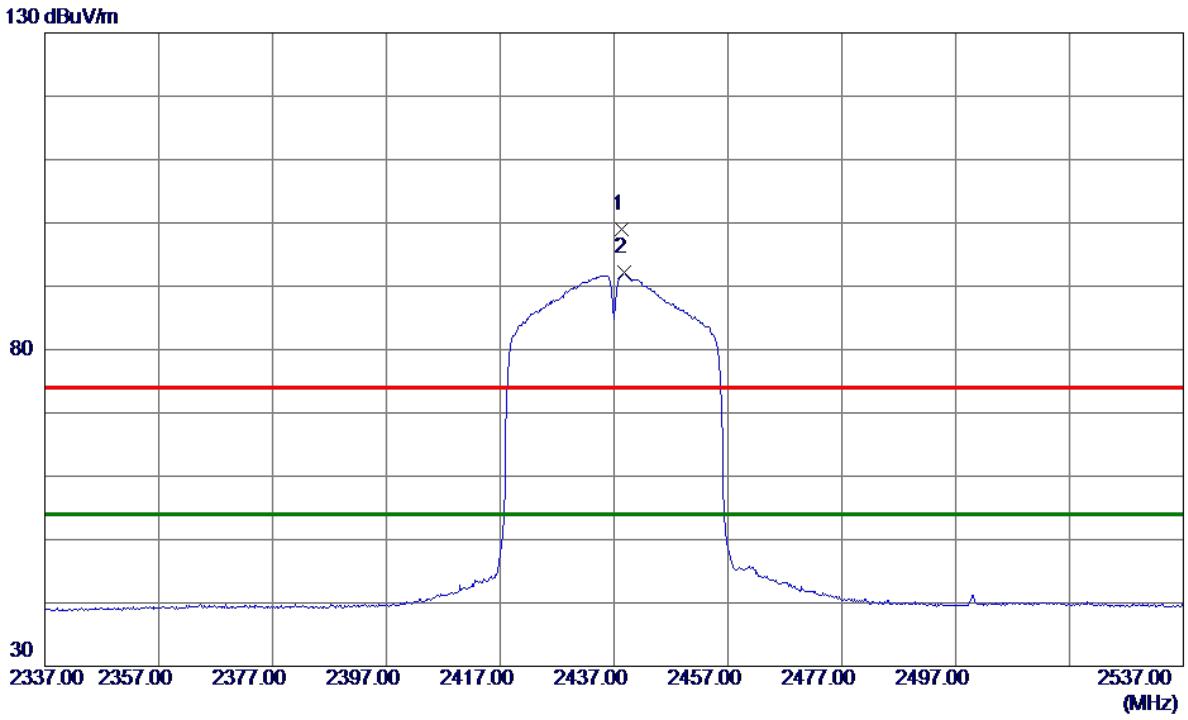
Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.3380	29.01	5.48	34.49	54.00	-19.51	AVG	
2	4873.4680	39.58	5.48	45.06	74.00	-28.94	Peak	

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

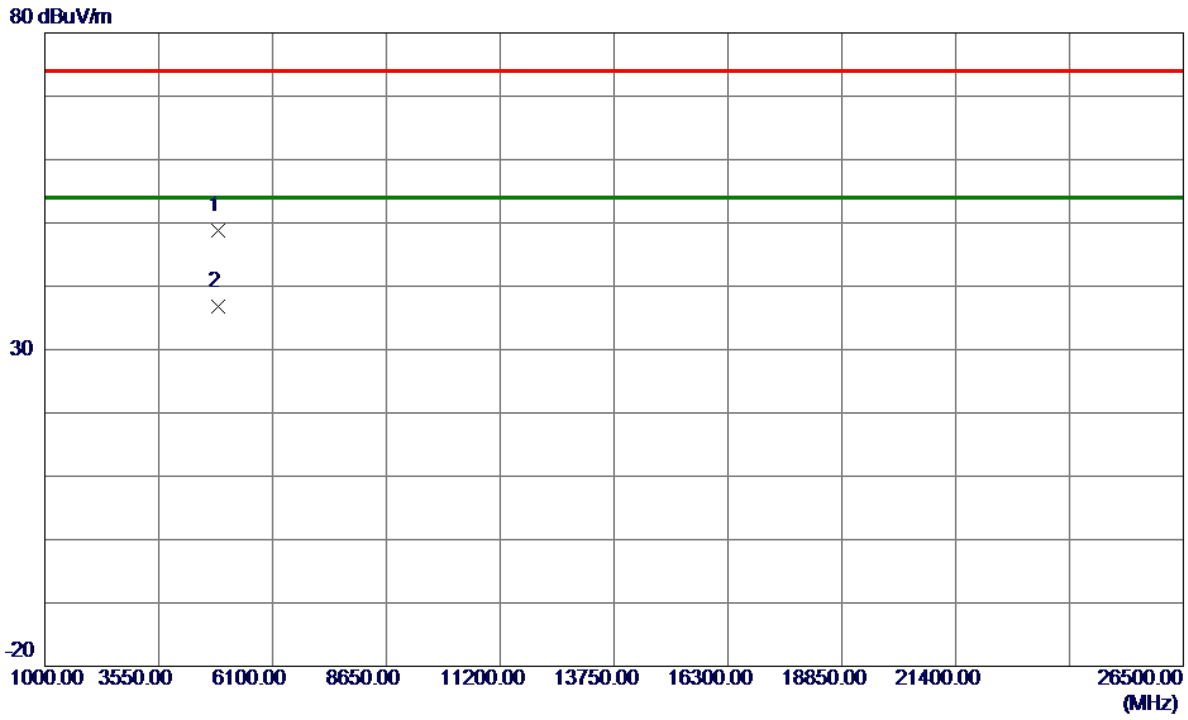
Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2438.4000	90.55	8.37	98.92	74.00	24.92	Peak	No Limit
2 *	2438.8000	83.74	8.37	92.11	54.00	38.11	AVG	No Limit

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

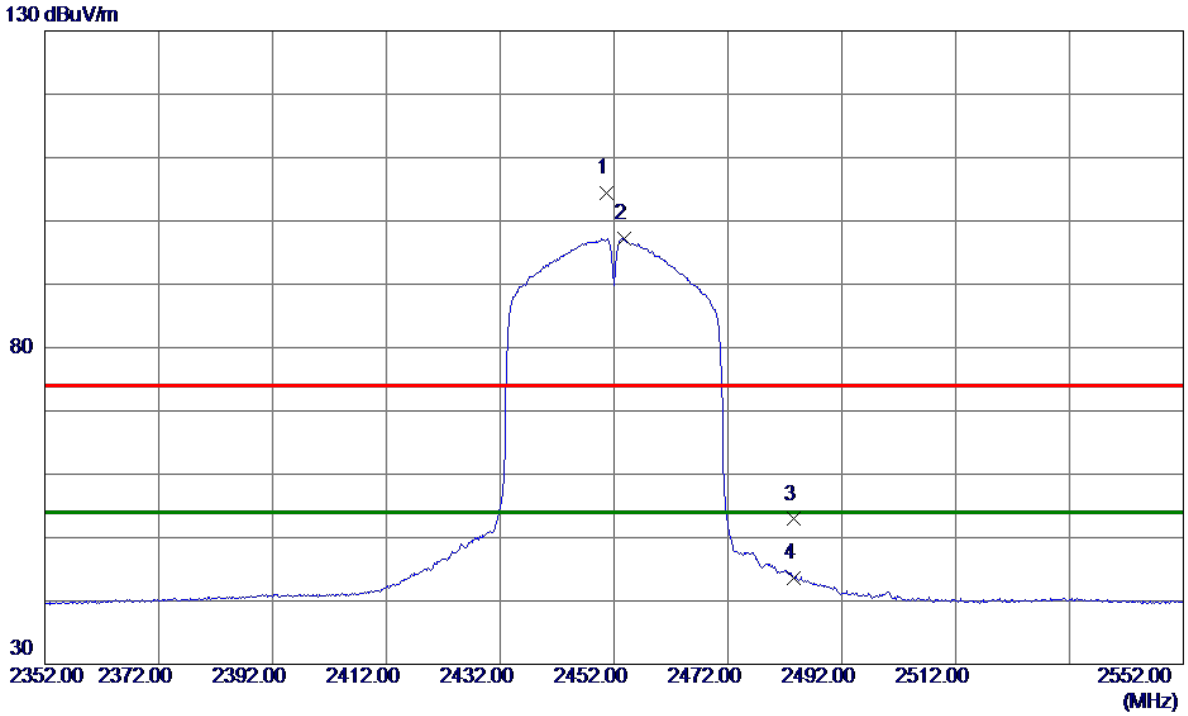
Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.8170	43.24	5.48	48.72	74.00	-25.28	Peak	
2 *	4874.8240	31.34	5.49	36.83	54.00	-17.17	AVG	

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

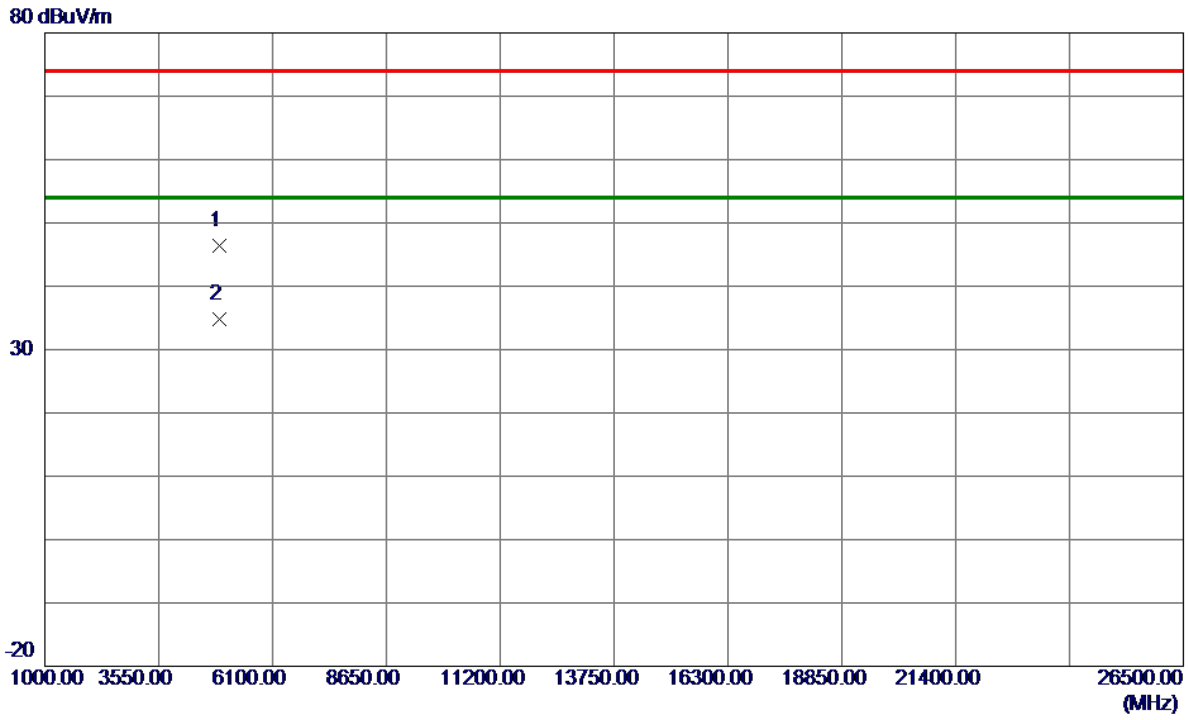
Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2450.6000	95.98	8.38	104.36	74.00	30.36	Peak	No Limit
2 *	2453.8000	88.85	8.39	97.24	54.00	43.24	AVG	No Limit
3	2483.5000	44.48	8.42	52.90	74.00	-21.10	Peak	
4	2483.5000	35.22	8.42	43.64	54.00	-10.36	AVG	

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

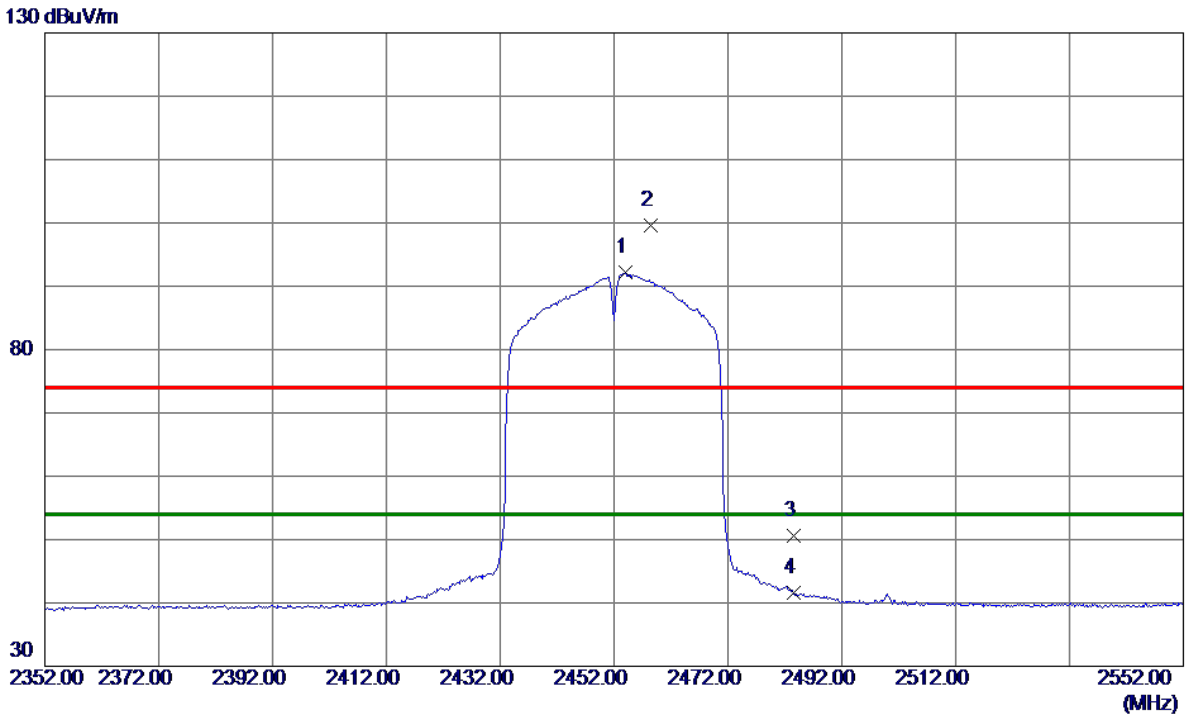
Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4903.9500	40.80	5.63	46.43	74.00	-27.57	Peak	
2 *	4904.6060	29.19	5.64	34.83	54.00	-19.17	AVG	

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

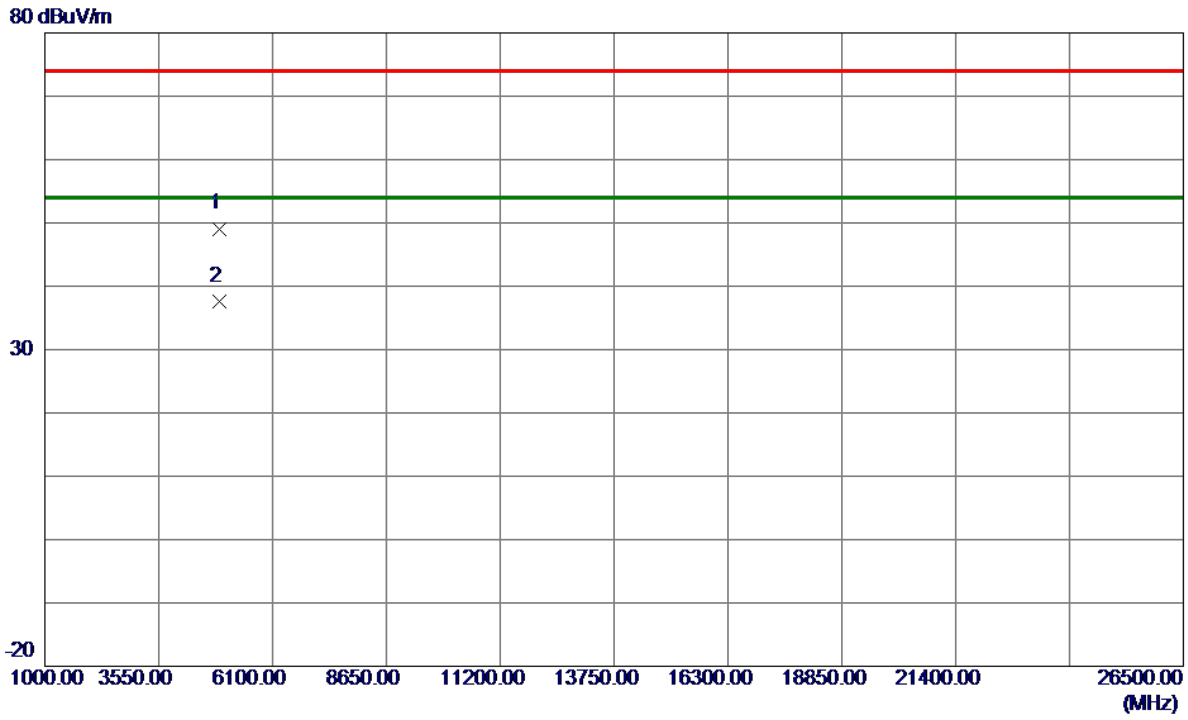
Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2454.0000	83.80	8.39	92.19	54.00	38.19	AVG	No Limit
2	2458.4000	91.25	8.39	99.64	74.00	25.64	Peak	No Limit
3	2483.5000	42.15	8.42	50.57	74.00	-23.43	Peak	
4	2483.5000	33.10	8.42	41.52	54.00	-12.48	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	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4904.6010	43.46	5.64	49.10	74.00	-24.90	Peak	
2 *	4904.7510	31.90	5.64	37.54	54.00	-16.46	AVG	

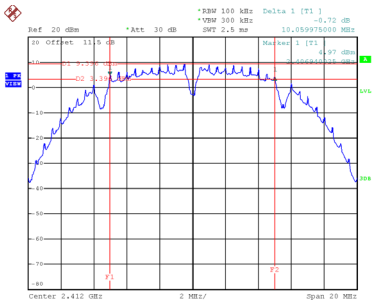
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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	10.06	13.60	0.50	Complies
06	2437	10.12	13.68	0.50	Complies
11	2462	9.82	13.60	0.50	Complies

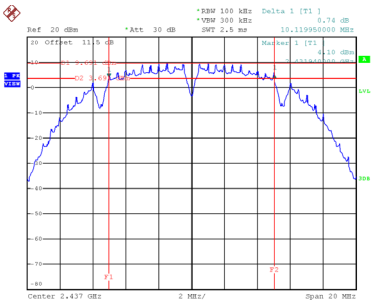
CH01



Date: 22.SEP.2021 15:26:18

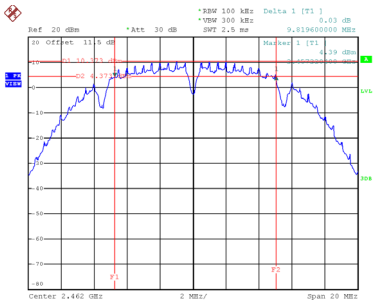
CH06

6 dB Bandwidth

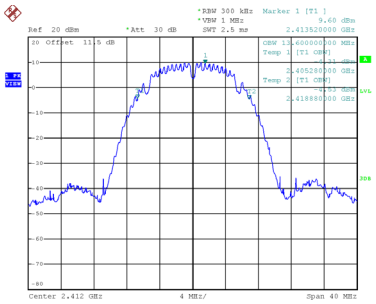


Date: 22.SEP.2021 15:28:02

CH11

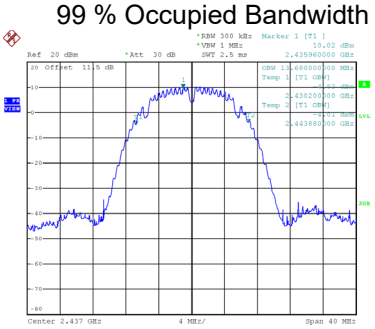


Date: 22.SEP.2021 15:29:29

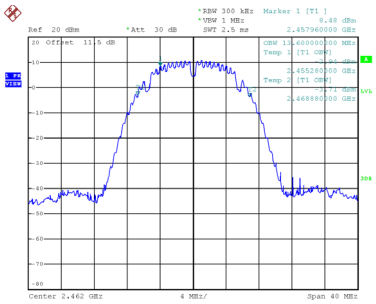


Date: 22.SEP.2021 15:26:25

99 % Occupied Bandwidth



Date: 22.SEP.2021 15:28:08



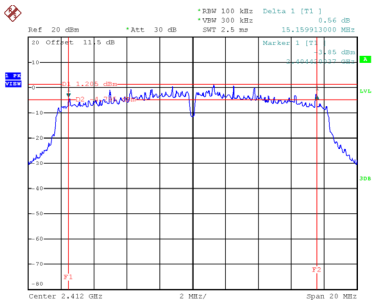
Date: 22.SEP.2021 15:29:36

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	15.16	16.40	0.50	Complies
06	2437	15.12	16.40	0.50	Complies
11	2462	13.90	16.48	0.50	Complies

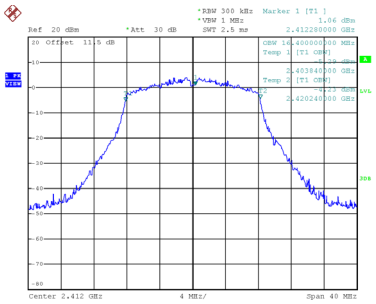
CH01

6 dB Bandwidth



Date: 22.SEP.2021 15:32:44

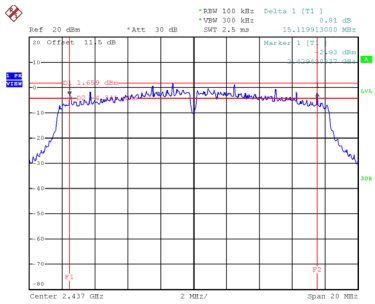
99 % Occupied Bandwidth



Date: 22.SEP.2021 15:32:51

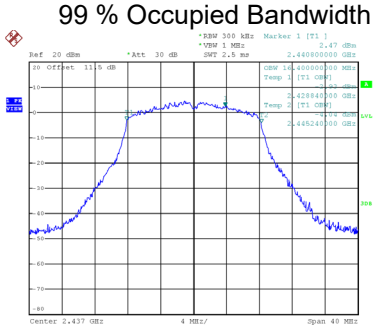
CH06

6 dB Bandwidth



Date: 22.SEP.2021 15:33:57

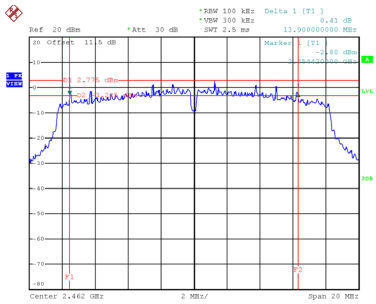
99 % Occupied Bandwidth



Date: 22.SEP.2021 15:34:04

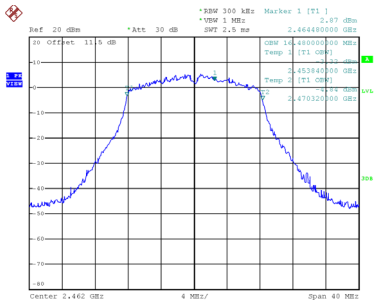
CH11

6 dB Bandwidth



Date: 22.SEP.2021 15:35:18

99 % Occupied Bandwidth

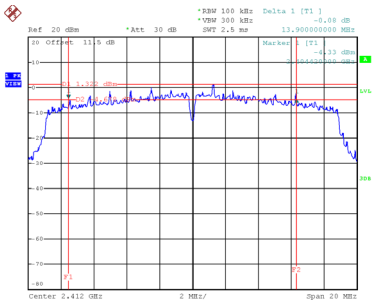


Date: 22.SEP.2021 15:35:25

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	13.90	17.60	0.50	Complies
06	2437	15.10	17.60	0.50	Complies
11	2462	15.06	17.60	0.50	Complies

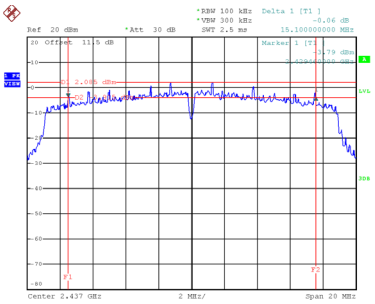
CH01



Date: 22.SEP.2021 15:52:28

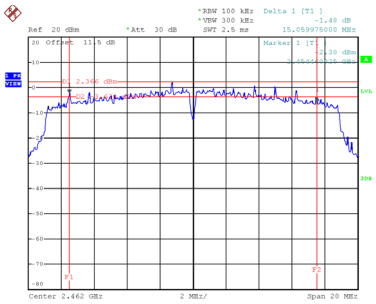
CH06

6 dB Bandwidth



Date: 22.SEP.2021 15:54:28

CH11



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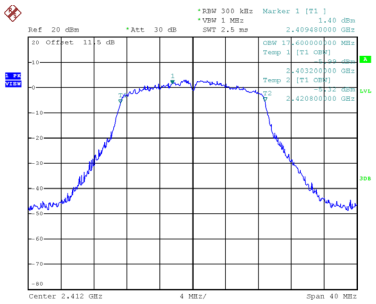
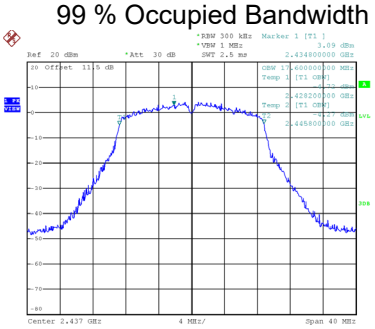
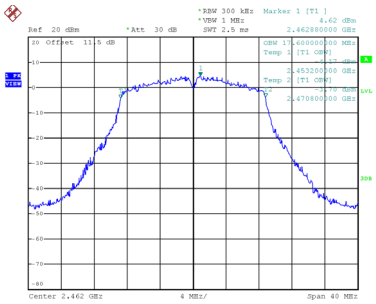


Date: 22.SEP.2021 15:52:34

99 % Occupied Bandwidth



Date: 22.SEP.2021 15:54:34

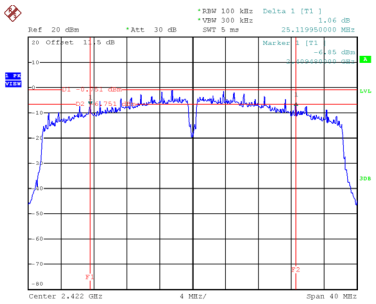


Date: 22.SEP.2021 15:55:48

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	25.12	34.72	0.50	Complies
06	2437	24.00	34.72	0.50	Complies
09	2452	26.47	34.72	0.50	Complies

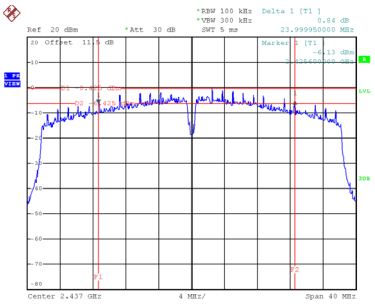
CH03



Date: 22.SEP.2021 15:57:25

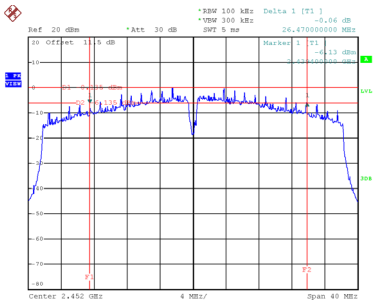
CH06

6 dB Bandwidth



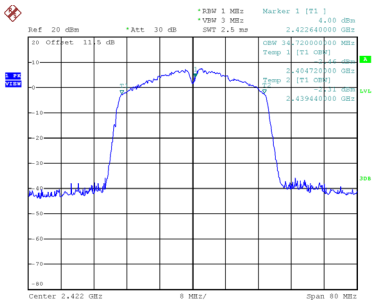
Date: 22.SEP.2021 15:58:50

CH09

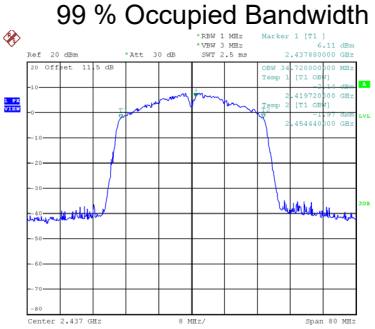


Date: 22.SEP.2021 16:00:12

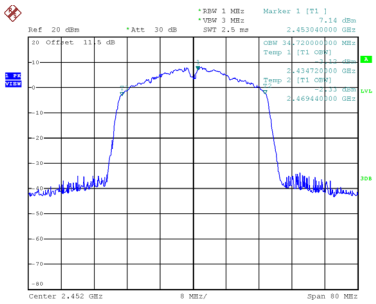
99 % Occupied Bandwidth



Date: 22.SEP.2021 15:57:31



Date: 22.SEP.2021 15:58:57



Date: 22.SEP.2021 16:00:19

APPENDIX F - MAXIMUM OUTPUT POWER

Non Beamforming

Test Mode	TX B Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	17.42	30.00	1.0000	Complies
06	2437	18.36	30.00	1.0000	Complies
11	2462	18.66	30.00	1.0000	Complies

Test Mode	TX G Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.18	30.00	1.0000	Complies
06	2437	20.13	30.00	1.0000	Complies
11	2462	20.01	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.11	29.16	0.8241	Complies
06	2437	19.99	29.16	0.8241	Complies
11	2462	19.89	29.16	0.8241	Complies

Test Mode	TX N(HT20) Mode_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	19.76	29.16	0.8241	Complies
06	2437	19.73	29.16	0.8241	Complies
11	2462	19.51	29.16	0.8241	Complies

Test Mode	TX N(HT20) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	22.95	29.16	0.8241	Complies
06	2437	22.87	29.16	0.8241	Complies
11	2462	22.71	29.16	0.8241	Complies

Test Mode	TX N(HT40) Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	20.41	29.16	0.8241	Complies
06	2437	20.16	29.16	0.8241	Complies
09	2452	19.96	29.16	0.8241	Complies

Test Mode	TX N(HT40) Mode_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	20.08	29.16	0.8241	Complies
06	2437	19.72	29.16	0.8241	Complies
09	2452	19.62	29.16	0.8241	Complies

Test Mode	TX N(HT40) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	23.26	29.16	0.8241	Complies
06	2437	22.96	29.16	0.8241	Complies
09	2452	22.80	29.16	0.8241	Complies

Beamforming

Test Mode	TX N(HT20) Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	19.85	29.16	0.8241	Complies
06	2437	19.66	29.16	0.8241	Complies
11	2462	19.58	29.16	0.8241	Complies

Test Mode	TX N(HT20) Mode_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	19.51	29.16	0.8241	Complies
06	2437	19.48	29.16	0.8241	Complies
11	2462	19.26	29.16	0.8241	Complies

Test Mode	TX N(HT20) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	22.69	29.16	0.8241	Complies
06	2437	22.58	29.16	0.8241	Complies
11	2462	22.43	29.16	0.8241	Complies

Test Mode	TX N(HT40) Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	20.15	29.16	0.8241	Complies
06	2437	19.91	29.16	0.8241	Complies
09	2452	19.71	29.16	0.8241	Complies

Test Mode	TX N(HT40) Mode_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.83	29.16	0.8241	Complies
06	2437	19.47	29.16	0.8241	Complies
09	2452	19.37	29.16	0.8241	Complies

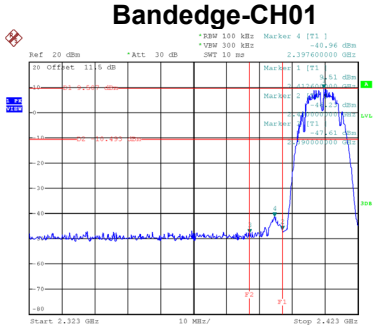
Test Mode	TX N(HT40) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	23.00	29.16	0.8241	Complies
06	2437	22.71	29.16	0.8241	Complies
09	2452	22.55	29.16	0.8241	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

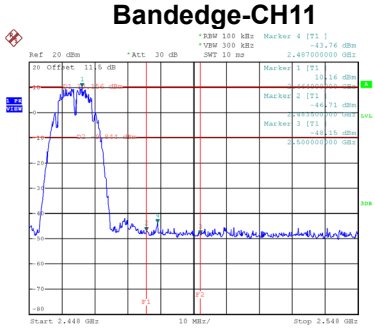
Test Mode	TX B Mode_Ant. 1

Bandedge-CH01



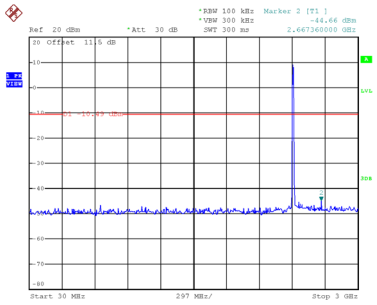
Date: 22.SEP.2021 15:26:33

Bandedge-CH11

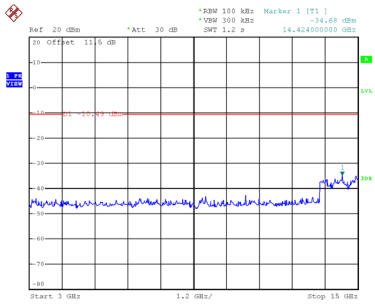


Date: 22.SEP.2021 15:29:44

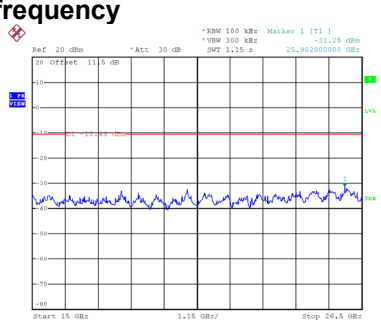
CH01 – 10th Harmonic of the fundamental frequency



Date: 22.SEP.2021 15:26:46

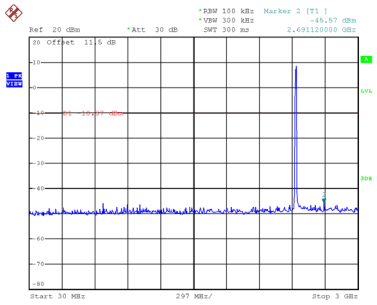


Date: 22.SEP.2021 15:26:54

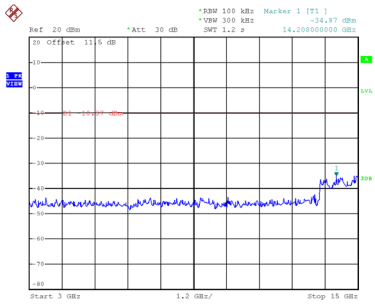


Date: 22.SEP.2021 15:27:01

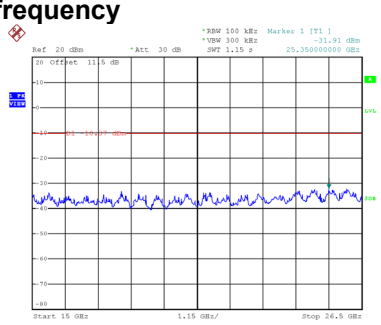
CH06 – 10th Harmonic of the fundamental frequency



Date: 22.SEP.2021 15:28:29

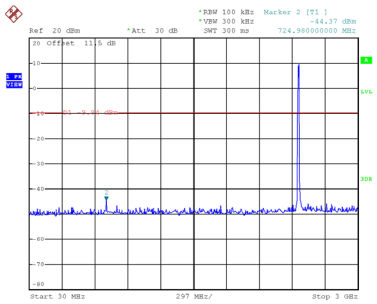


Date: 22.SEP.2021 15:28:36

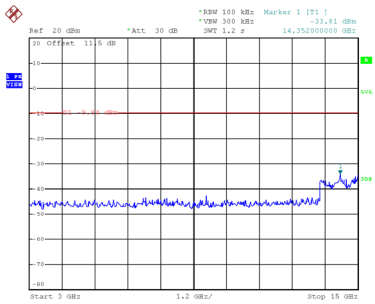


Date: 22.SEP.2021 15:28:43

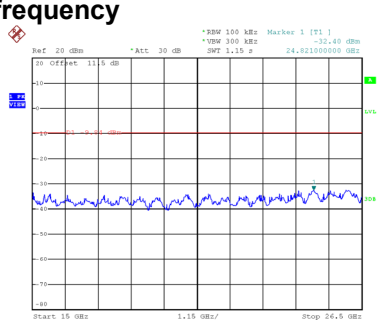
CH11 – 10th Harmonic of the fundamental frequency



Date: 22.SEP.2021 15:29:57



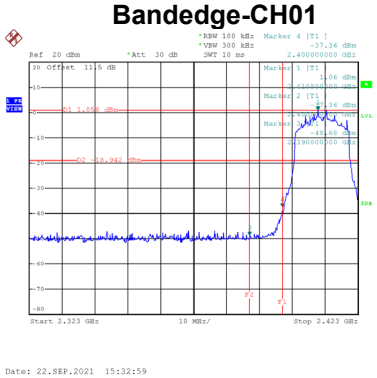
Date: 22.SEP.2021 15:30:05



Date: 22.SEP.2021 15:30:12

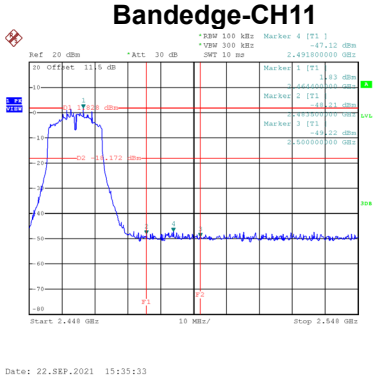
Test Mode	TX G Mode_Ant. 1

Bandedge-CH01



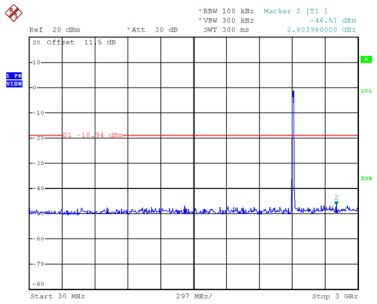
Date: 22.SEP.2021 15:32:59

Bandedge-CH11

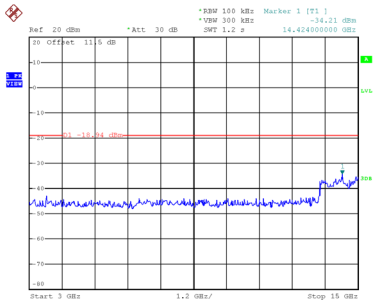


Date: 22.SEP.2021 15:35:33

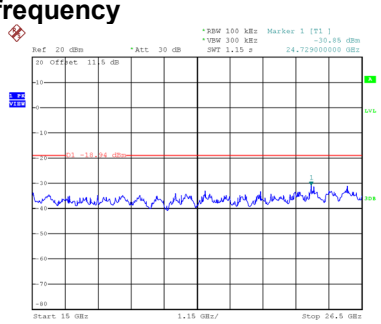
CH01 – 10th Harmonic of the fundamental frequency



Date: 22.SEP.2021 15:33:12

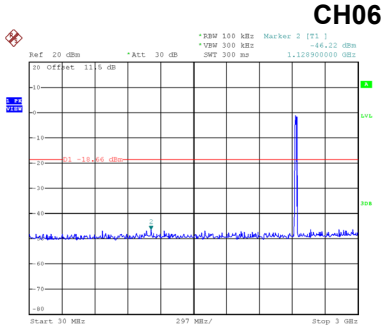


Date: 22.SEP.2021 15:33:18

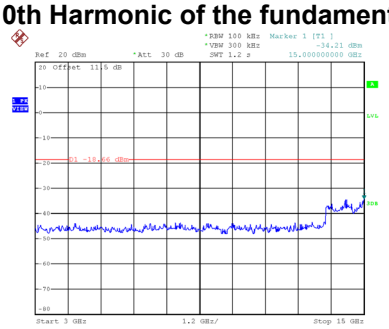


Date: 22.SEP.2021 15:33:25

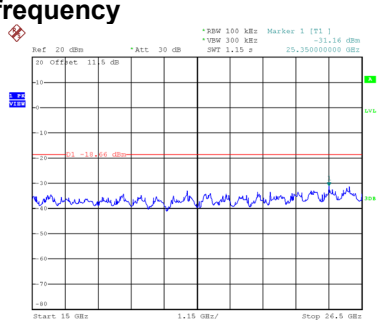
CH06 – 10th Harmonic of the fundamental frequency



Date: 22.SEP.2021 15:34:25

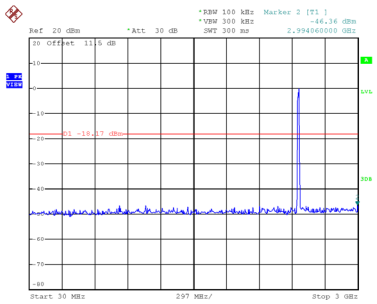


Date: 22.SEP.2021 15:34:32

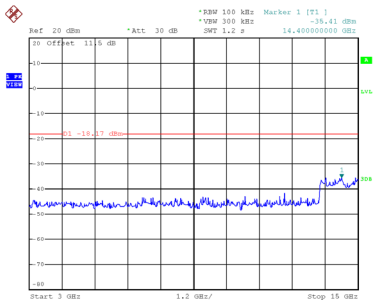


Date: 22.SEP.2021 15:34:39

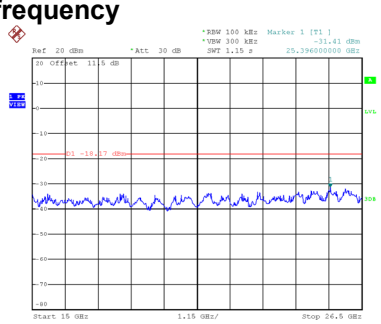
CH11 – 10th Harmonic of the fundamental frequency



Date: 22.SEP.2021 15:35:46



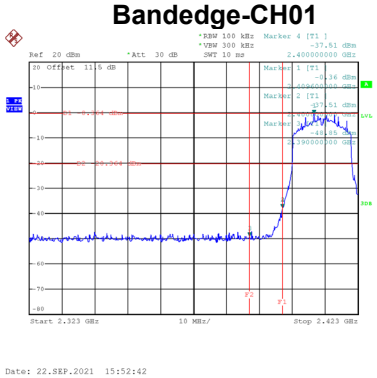
Date: 22.SEP.2021 15:35:53



Date: 22.SEP.2021 15:36:00

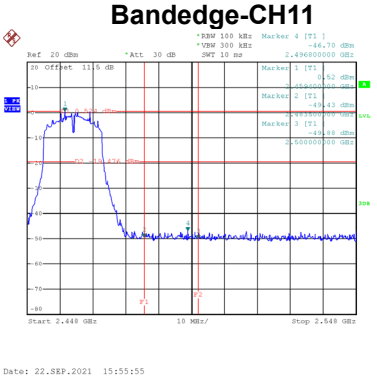
Test Mode	TX N(HT20) Mode_Ant. 1

Bandedge-CH01



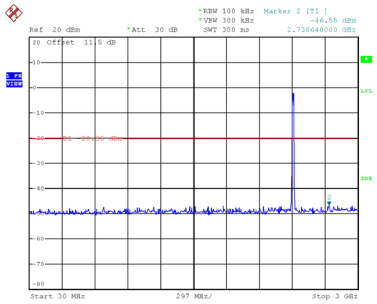
Date: 22.SEP.2021 15:52:42

Bandedge-CH11

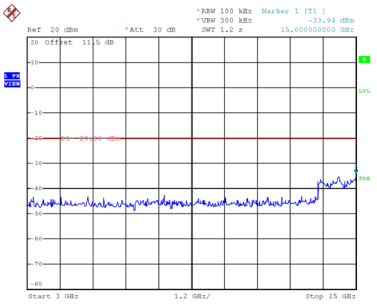


Date: 22.SEP.2021 15:55:55

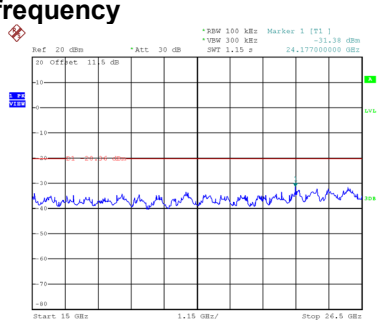
CH01 – 10th Harmonic of the fundamental frequency



Date: 22.SEP.2021 15:52:55

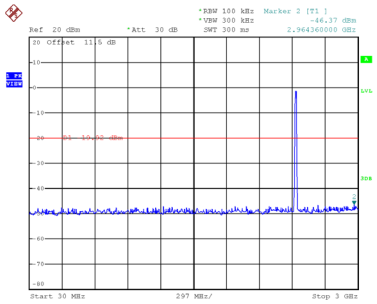


Date: 22.SEP.2021 15:53:02

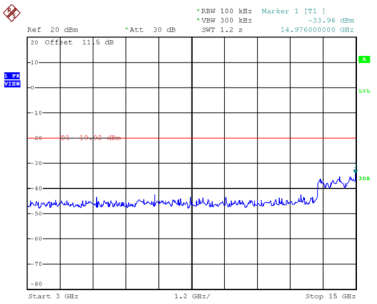


Date: 22.SEP.2021 15:53:10

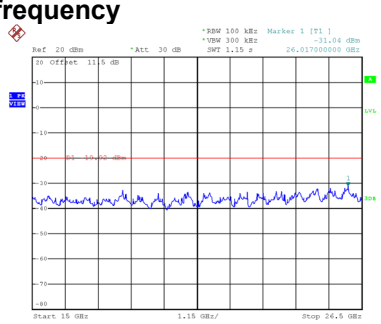
CH06 – 10th Harmonic of the fundamental frequency



Date: 22.SEP.2021 15:54:55

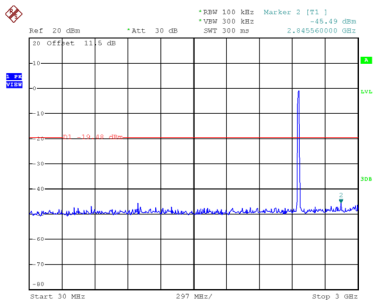


Date: 22.SEP.2021 15:55:02

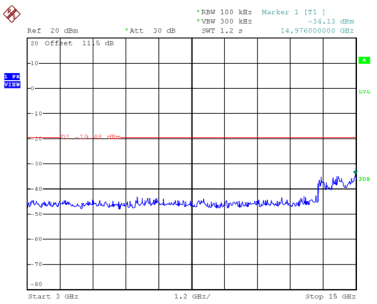


Date: 22.SEP.2021 15:55:10

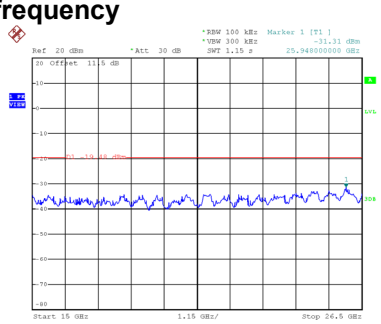
CH11 – 10th Harmonic of the fundamental frequency



Date: 22.SEP.2021 15:56:11



Date: 22.SEP.2021 15:56:18



Date: 22.SEP.2021 15:56:25