FCC Radio Test Report

FCC ID: 2A2PW190981

This report concerns: Original Grant

Project No.	:	2309G010
Equipment	:	Indoor Access Point
Brand Name	:	FS
Test Model	:	AP-N635
Series Model	:	N/A
Applicant	:	FS.COM Inc.
Address	:	380 Centerpoint Blvd, New Castle, DE 19720, United States
Manufacturer	:	FS.COM Inc.
Address	:	380 Centerpoint Blvd, New Castle, DE 19720, United States
Date of Receipt	:	Nov. 07, 2023
Date of Test	:	Nov. 07, 2023 ~ Jul. 09, 2024
Issued Date	:	Aug. 14, 2024
Report Version	:	R00
Test Sample	:	Engineering Sample No.: SSL2023110711 & SSL20240415180 for power, SSL2023110711 for other.
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.

Prepared by : Nick Chen

Nick Chen

Approved by : Chay Cai

Chay Cai

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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.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

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

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

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

Limitation

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

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2309G010	R00	Original Report.	Aug. 14, 2024	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 NVLAP:
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 is at the location of No. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong 523792.
BTL's Registration Number for FCC: 162128
BTL's Designation Number for FCC: CN5042

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 Measurement:

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-CB01	CISPR	9kHz ~ 30MHz	2.36

Test Site	Method	Measurement Frequency Range	Ant. H / V	*U*,(dB)
DG-CB03 (3m)	CISPR	30MHz ~ 200MHz	V	4.40
		30MHz ~ 200MHz	H	3.62
		200MHz ~ 1,000MHz	V	4.58
		200MHz ~ 1,000MHz	H	3.98

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-CB03 (1m)	CISPR	18 ~ 26.5 GHz	3.36

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	24°C	58%	AC 120V/60Hz	Jolly Su	Dec. 27, 2023
Radiated Emissions -9kHz to 30 MHz	22°C	53%	AC 120V/60Hz	Hayden Chen	Jul. 09, 2024
Radiated Emissions -30MHz to 1000MHz	25°C	44%	AC 120V/60Hz	Max Wang	Dec. 15, 2023
Radiated Emissions -Above 1000MHz	24°C	45%	AC 120V/60Hz	Berton Luo	Dec. 13, 2023
	23°C	51%	AC 120V/60Hz	Allen Tong	Apr. 25, 2024
	21°C	55%	AC 120V/60Hz	Berton Luo	Apr. 26, 2024
Bandwidth	24°C	53%	DC 54V	Parker Yang	Jan. 08, 2024
	22°C	58%	DC 54V	Parker Yang	Jul. 09, 2024
Maximum Output Power	22°C	51%	DC 54V	Oliver Wang	Jan. 24, 2024
	22°C	59%	DC 54V	Oliver Wang	Jun. 24, 2024
Conducted Spurious Emissions	24°C	53%	DC 54V	Parker Yang	Jan. 08, 2024
	22°C	58%	DC 54V	Parker Yang	Jul. 09, 2024
Power Spectral Density	24°C	53%	DC 54V	Parker Yang	Jan. 08, 2024
	22°C	58%	DC 54V	Parker Yang	Jul. 09, 2024

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Indoor Access Point
Brand Name	FS
Test Model	AP-N635
Series Model	N/A
Model Difference(s)	N/A
Software Version	FSOS 11.9(6)W3S6
Hardware Version	V1.00
Power Source	Supplied from PoE adapter (support unit).
Power Rating	54V⎓1.1A, PoE
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM IEEE 802.11ax: OFDMA
Bit Rate of Transmitter	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps IEEE 802.11ax: up to 573.6 Mbps
Maximum Output Power	IEEE 802.11ax(HE20): 27.84 dBm (0.6081 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) CH03 - CH09 for IEEE 802.11n(HT40), IEEE 802.11ax(HE40)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	N/A	2.96
2	N/A	N/A	PCB	N/A	2.98

Note:

1) This EUT supports CDD, and all antenna gains are not equal, so Directional gain=10log[($10^{G1/20}$+$10^{G2/20}$+...$10^{GN/20}$)^2/N]dBi, that is Directional gain=10log[($10^{2.96/20}$+$10^{2.98/20}$)^2/2]dBi =5.98.

4. Table for Antenna Configuration:

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

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 AX(HE20) Mode Channel 01/06/11
Mode 6	TX AX(HE40) Mode Channel 03/06/09
Mode 7	TX AX(HE20) Mode Channel 06

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 AX(HE20) Mode Channel 06

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 7	TX AX(HE20) Mode Channel 06

Radiated emissions test- Above 1GHz	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09
Mode 5	TX AX(HE20) Mode Channel 01/06/11
Mode 6	TX AX(HE40) Mode Channel 03/06/09

Conducted test	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09
Mode 5	TX AX(HE20) Mode Channel 01/06/11
Mode 6	TX AX(HE40) 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 AX(HE20) 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 radiated emission above 1 GHz test, the polarization of Vertical and Horizontal are evaluated, the worst case is Horizontal and recorded.

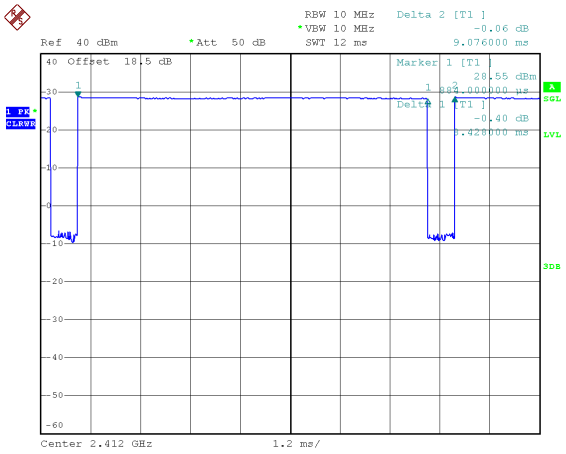
3.3 PARAMETERS OF TEST SOFTWARE

Test Software Version	accessMTool_REL_3_3_0_2		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	90	92	92
IEEE 802.11g	90	90	88
IEEE 802.11n(HT20)	89	89	86
IEEE 802.11ax(HE20)	84	102	83
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	83	89	84
IEEE 802.11ax(HE40)	82	89	85

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.

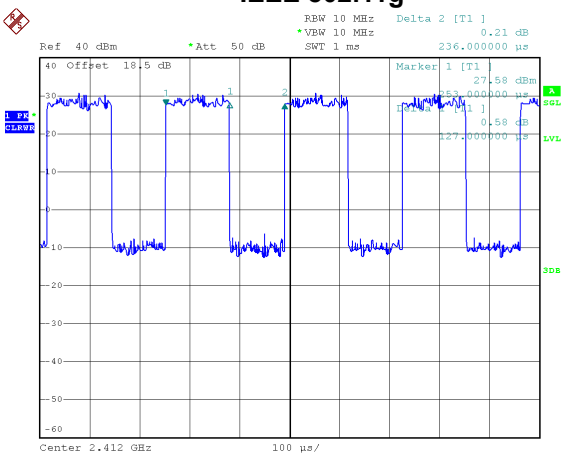
IEEE 802.11b



Date: 8.JAN.2024 20:09:12

Duty cycle = 8.428 ms / 9.076 ms = 92.86%
Duty Factor = 10 log(1/Duty cycle) = 0.32

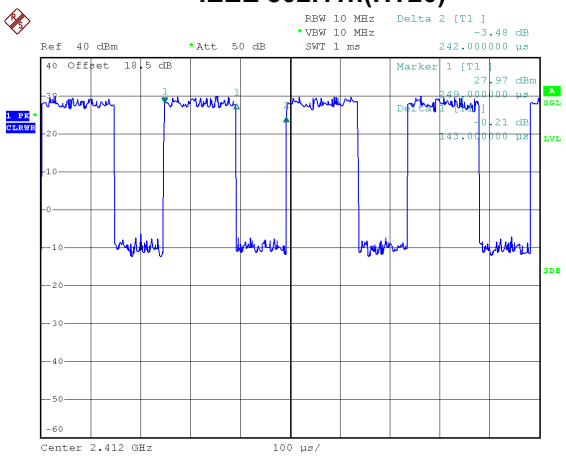
IEEE 802.11g



Date: 8.JAN.2024 20:12:29

Duty cycle = 0.127 ms / 0.236 ms = 53.81%
Duty Factor = 10 log(1/Duty cycle) = 2.69

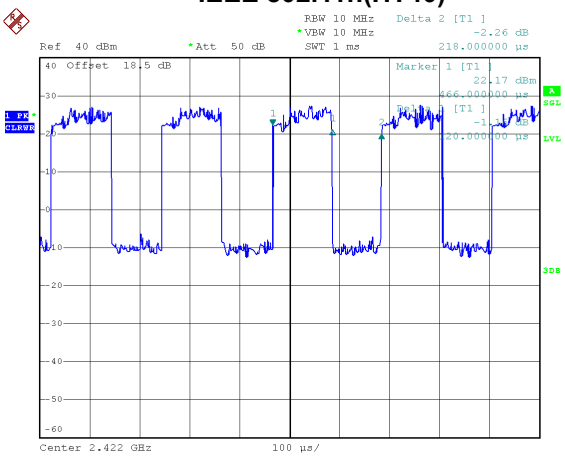
IEEE 802.11n(HT20)



Date: 8.JAN.2024 20:13:55

Duty cycle = 0.143 ms / 0.242 ms = 59.09%
Duty Factor = 10 log(1/Duty cycle) = 2.28

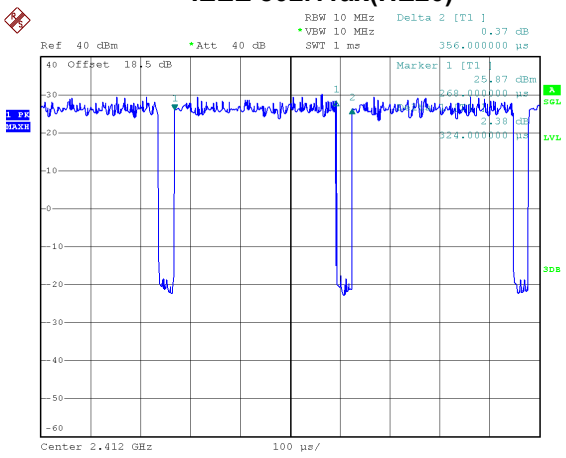
IEEE 802.11n(HT40)



Date: 8.JAN.2024 20:16:49

Duty cycle = 0.120 ms / 0.218 ms = 55.05%
Duty Factor = 10 log(1/Duty cycle) = 2.59

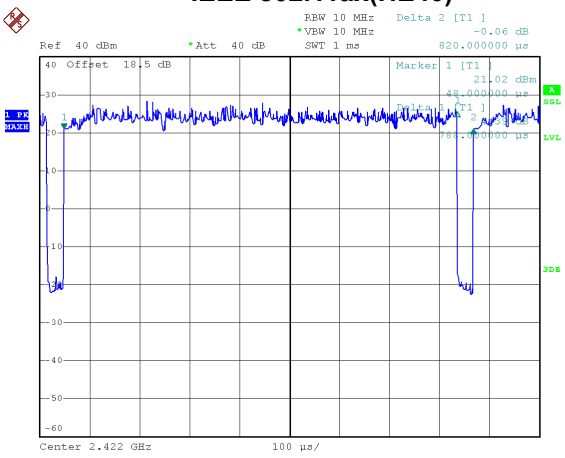
IEEE 802.11ax(HE20)



Date: 8.JAN.2024 20:57:23

Duty cycle = 0.324 ms / 0.356 ms = 91.01%
Duty Factor = 10 log(1/Duty cycle) = 0.41

IEEE 802.11ax(HE40)



Date: 8.JAN.2024 20:55:34

Duty cycle = 0.788 ms / 0.820 ms = 96.10%
Duty Factor = 10 log(1/Duty cycle) = 0.17

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 119 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 7874 Hz.

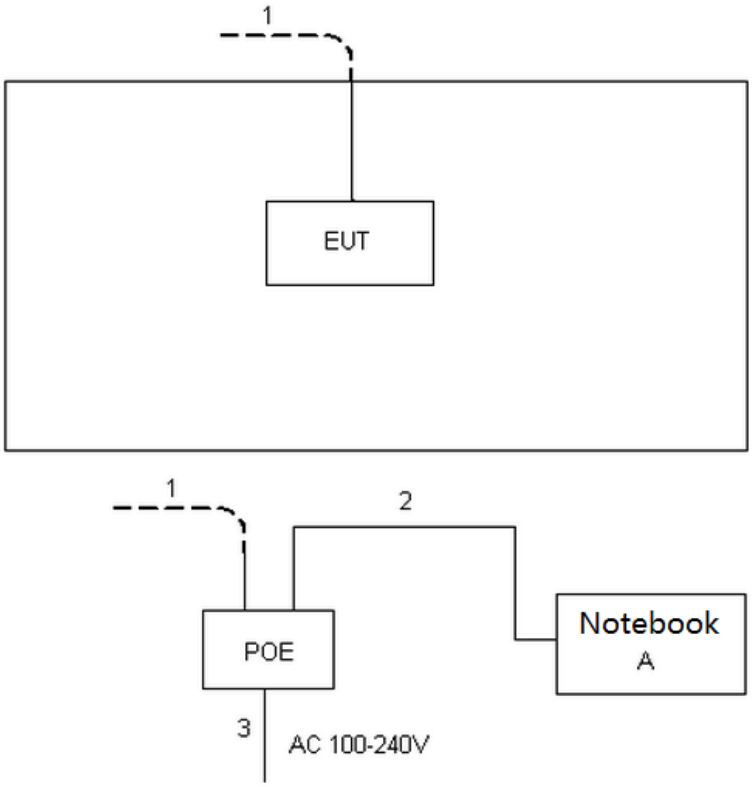
For IEEE 802.11n(HT20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 6993 Hz.

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 8333 Hz.

For IEEE 802.11ax(HE20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3086 Hz.

For IEEE 802.11ax(HE40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1269 Hz.

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Honor	I14SER5 3500	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	RJ45 Cable	NO	NO	10m
2	Network Cable	NO	NO	1m
3	AC Cable	NO	NO	1.5m

3.7 CUSTOMER INFORMATION DESCRIPTION

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

4. AC POWER LINE CONDUCTED EMISSIONS

4.1 LIMIT

Frequency of Emission (MHz)	Limit (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.

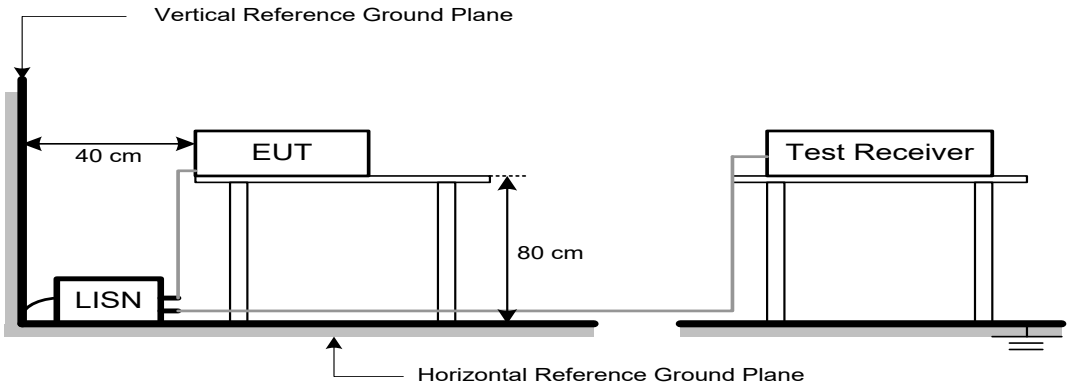
The following table is the setting of the receiver:

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.

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

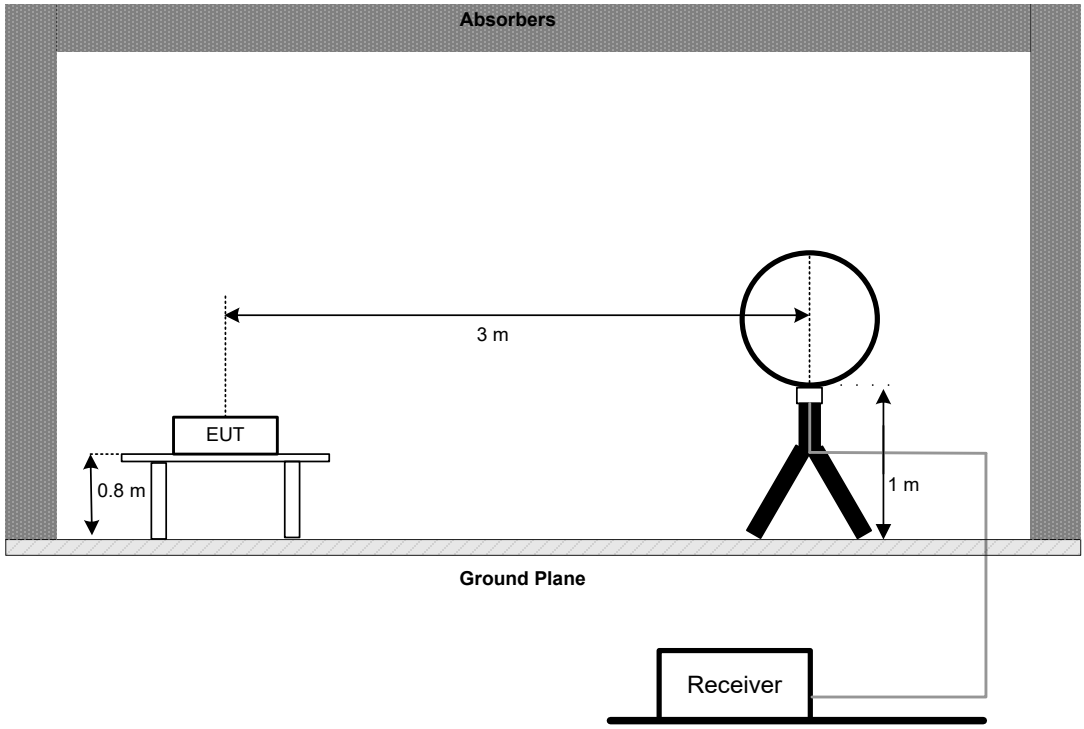
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

5.3 DEVIATION FROM TEST STANDARD

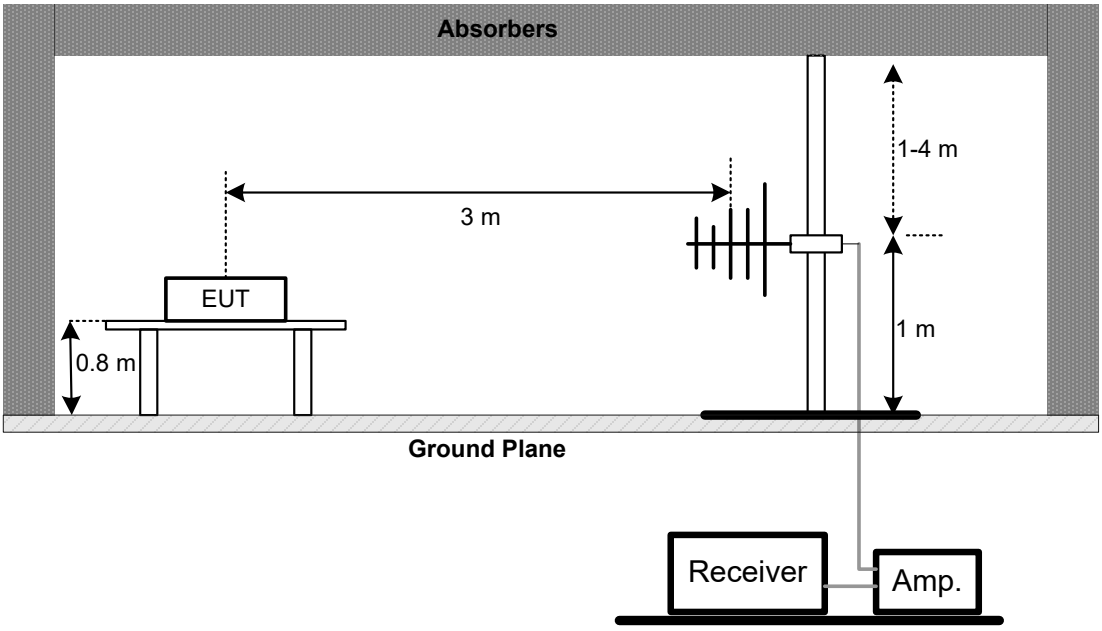
No deviation.

5.4 TEST SETUP

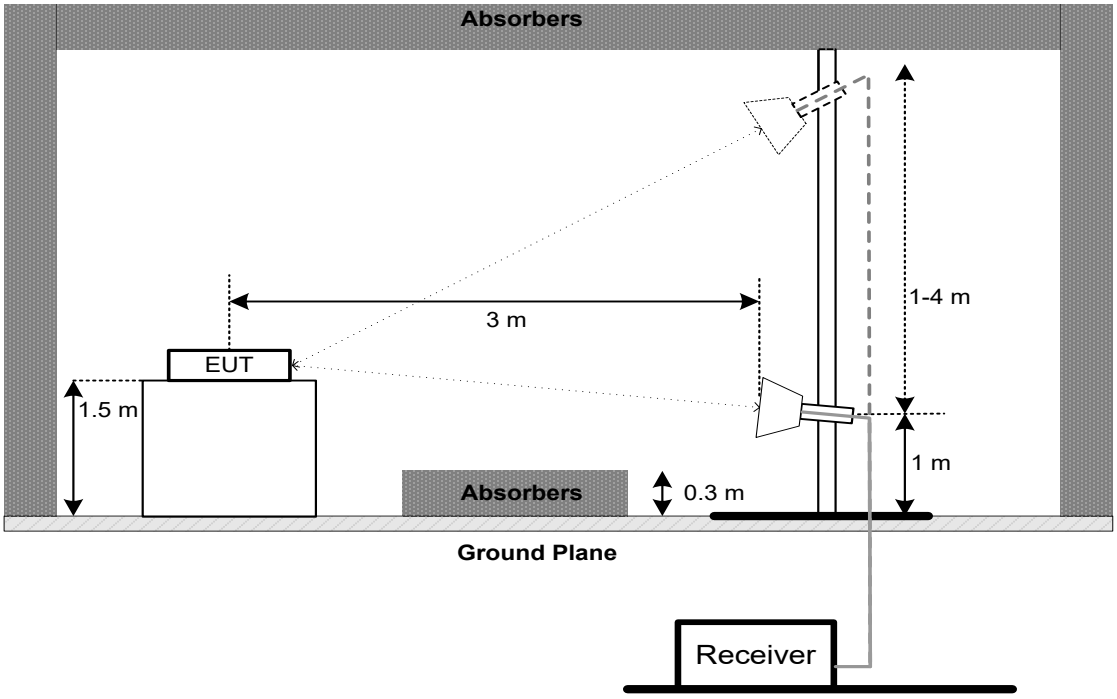
9 kHz to 30 MHz



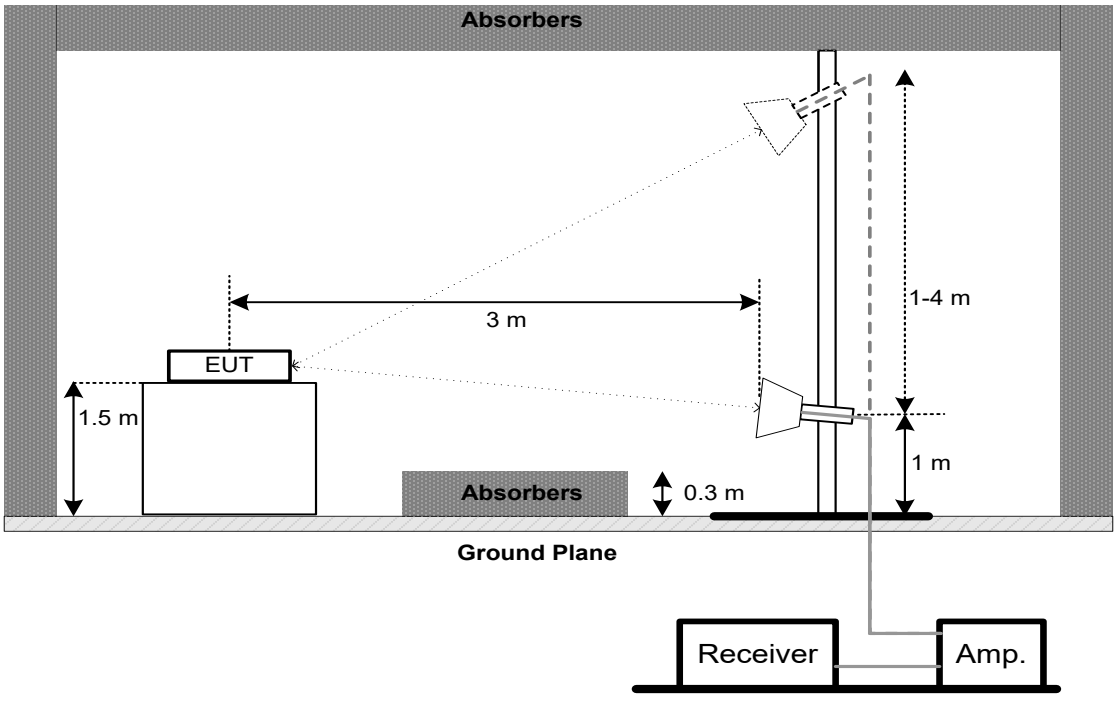
30 MHz to 1 GHz



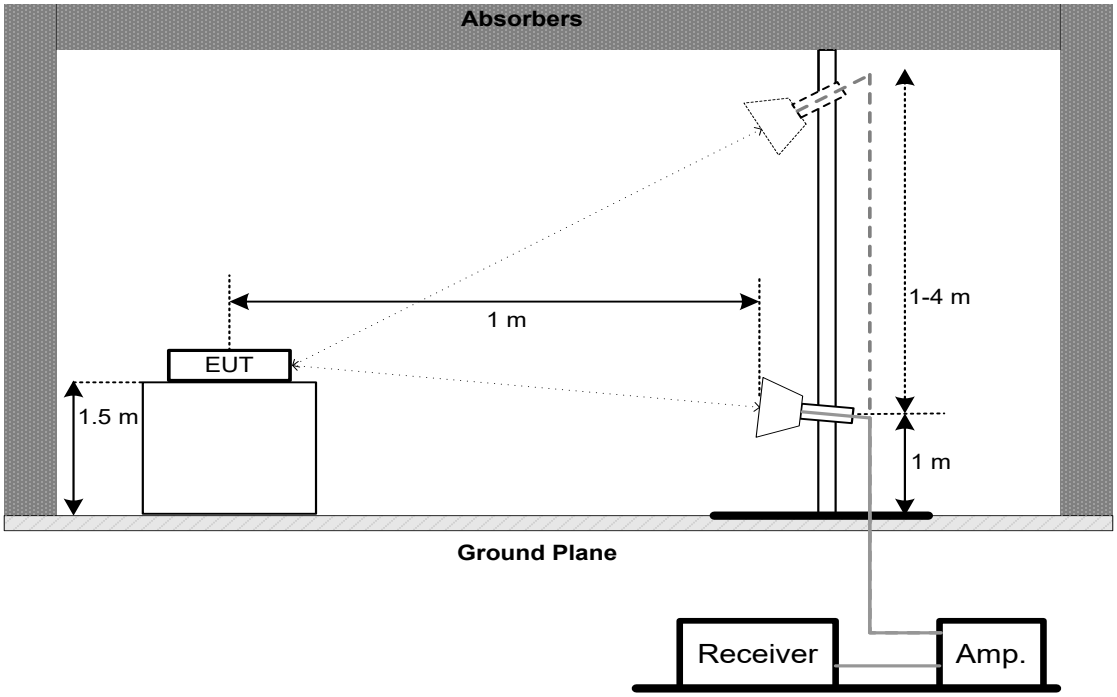
Above 1 GHz
Band edge



Harmonic(1 GHz to 18 GHz)



Harmonic(Above 18 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 Frequency	> Measurement Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

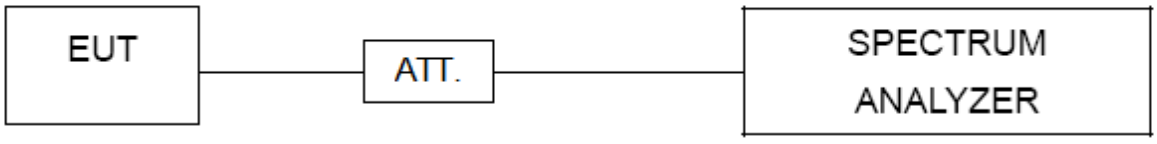
For 99% Emission Bandwidth:

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

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX E.

7. MAXIMUM OUTPUT POWER

7.1 LIMIT

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

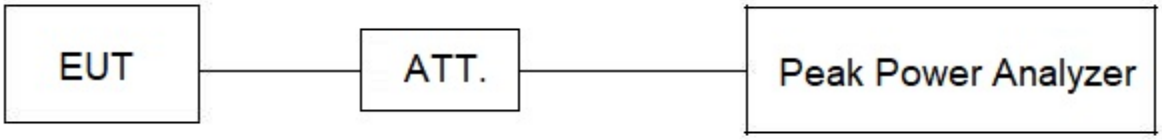
7.2 TEST PROCEDURE

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 (for AVG power) 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

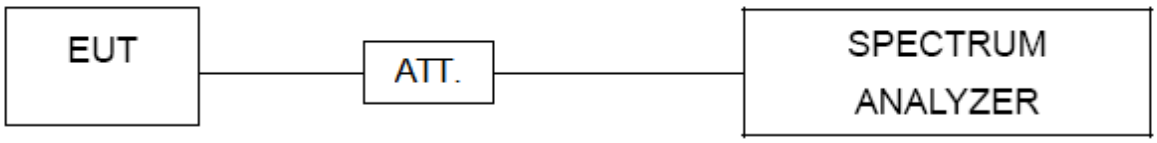
a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

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

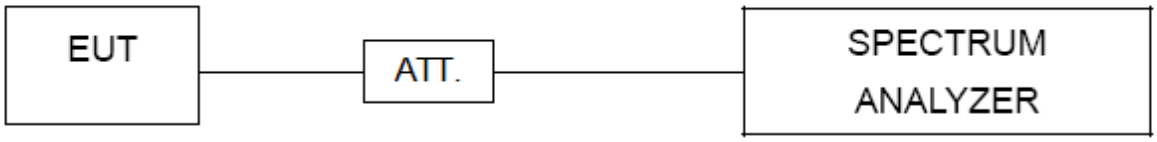
a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

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

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

9.6 TEST RESULTS

Please refer to the APPENDIX H.

10. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI TEST RECEIVER	R&S	ESCI	100382	Dec. 22, 2024
2	LISN	EMCO	23-Feb	52765	Jan. 07, 2024
3	TWO-LINE V-NETWOR	R&S	ENV216	101447	Jan. 07, 2024
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
5	Cable	N/A	RG223	12m	Mar. 01, 2024
6	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 1513-60B	1513-60 B-034	Mar. 30, 2025
2	MXE EMI Receiver	Keysight	N9038A	MY56400091	Dec. 22, 2024
3	Cable	N/A	RW2350-3.8A-NMB M-1.5M	N/A	Jun. 09, 2025
4	Cable	N/A	RG 213/U	N/A	Jun. 09, 2025
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	966 Chamber room	ETS	9*6*6	N/A	Jul. 11, 2024
7	WPT coil	N/A	100KHz-300KHz	N/A	N/A

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Receiver	Agilent	N9038A	MY52130039	Jan. 07, 2024
2	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	1462	Dec. 13, 2024
3	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06009	Dec. 13, 2024
4	Cable	RegalWay	LMR400-NMNM-12 .5m	N/A	Jul. 04, 2024
5	Cable	RegalWay	LMR400-NMNM-3 m	N/A	Jul. 04, 2024
6	Cable	RegalWay	LMR400-NMNM-0. 5m	N/A	Jul. 04, 2024
7	Positioning Controller	MF	MF-7802	N/A	N/A
8	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
9	966 Chamber room	CM	9*6*6	N/A	May 17, 2024

For test date: Dec. 13, 2023

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Receiver	Agilent	N9038A	MY52130039	Jan. 07, 2024
2	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980888	Nov. 17, 2024
3	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	Jun. 16, 2024
4	Double Ridged Guide Antenna	ETS	3115	75789	May 31, 2024
5	Cable	RegalWay	A81-SMAMSMAM-12.5M	N/A	Aug. 08, 2024
6	Cable	RegalWay	RWLP50-4.0A-NM RASM-2.5M	N/A	Aug. 08, 2024
7	Cable	RegalWay	RWLP50-4.0A-NM RASMRA-0.8M	N/A	Aug. 08, 2024
8	Low Noise Amplifier	CONNPHY	CLN-18G40G-4330 -K	619413	Jul. 06, 2024
9	Cable	RegalWay	RWLP50-2.6A-2.92 M2.92M-1.1M	N/A	Jul. 26, 2024
10	Cable	Tonscend	HF160-KMKM-3M	N/A	Jul. 26, 2024
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170(3m)	9170-319	Jun. 20, 2024
12	966 Chamber room	CM	9*6*6	N/A	May 17, 2024
13	Positioning Controller	MF	MF-7802	N/A	N/A
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

For test date: Apr. 25, 2024 & Apr. 26, 2024

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Receiver	Agilent	N9038A	MY52130039	Dec. 22, 2024
2	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980888	Nov. 17, 2024
3	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	Jun. 16, 2024
4	Double Ridged Guide Antenna	ETS	3115	75789	May 31, 2024
5	Cable	RegalWay	A81-SMAMSMAM-12.5M	N/A	Aug. 08, 2024
6	Cable	RegalWay	RWLP50-4.0A-NM RASM-2.5M	N/A	Aug. 08, 2024
7	Cable	RegalWay	RWLP50-4.0A-NM RASMRA-0.8M	N/A	Aug. 08, 2024
8	Low Noise Amplifier	CONNPHY	CLN-18G40G-4330 -K	619413	Jul. 06, 2024
9	Cable	RegalWay	RWLP50-2.6A-2.92 M2.92M-1.1M	N/A	Jul. 26, 2024
10	Cable	Tonscend	HF160-KMKM-3M	N/A	Jul. 26, 2024
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170(3m)	9170-319	Jun. 20, 2024
12	966 Chamber room	CM	9*6*6	N/A	May 17, 2024
13	Positioning Controller	MF	MF-7802	N/A	N/A
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

For test date: Jan. 08, 2024

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	Jun. 16, 2024
2	Attenuator	Talent Microwave	TA10A0-S-26.5	N/A	N/A
3	Attenuator	Talent Microwave	TA10A0-S-26.5	N/A	N/A
4	DC Block	N/A	N/A	N/A	N/A
5	Measurement Software	BTL	BTL Conducted Test	N/A	N/A

For test date: Jul. 09, 2024

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	May 31, 2025
2	Attenuator	Talent Microwave	TA10A0-S-26.5	N/A	N/A
3	Attenuator	Talent Microwave	TA10A0-S-26.5	N/A	N/A
4	DC Block	N/A	N/A	N/A	N/A
5	Measurement Software	BTL	BTL Conducted Test	N/A	N/A

For test date: Jan. 24, 2024

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Jun. 17, 2024
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jun. 17, 2024
3	Talent Microwave	TA10A2-S-18	N/A	N/A	N/A

For test date: Jun. 24, 2024

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	Talent Microwave	TA10A2-S-18	N/A	N/A	N/A

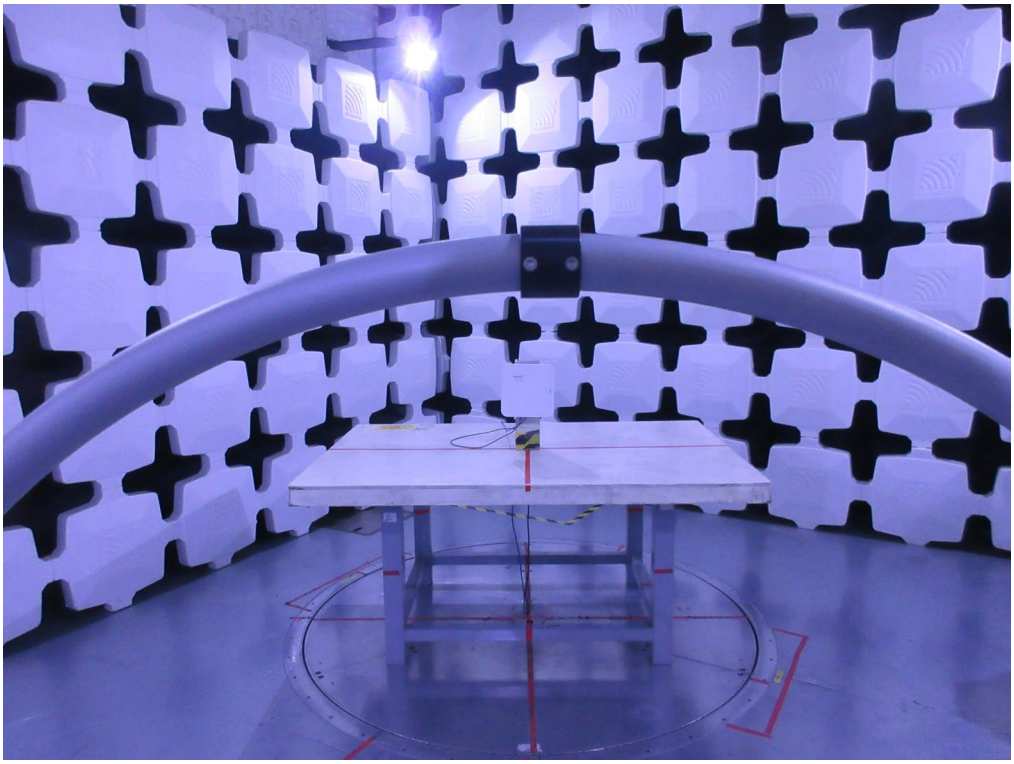
Remark: ”N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

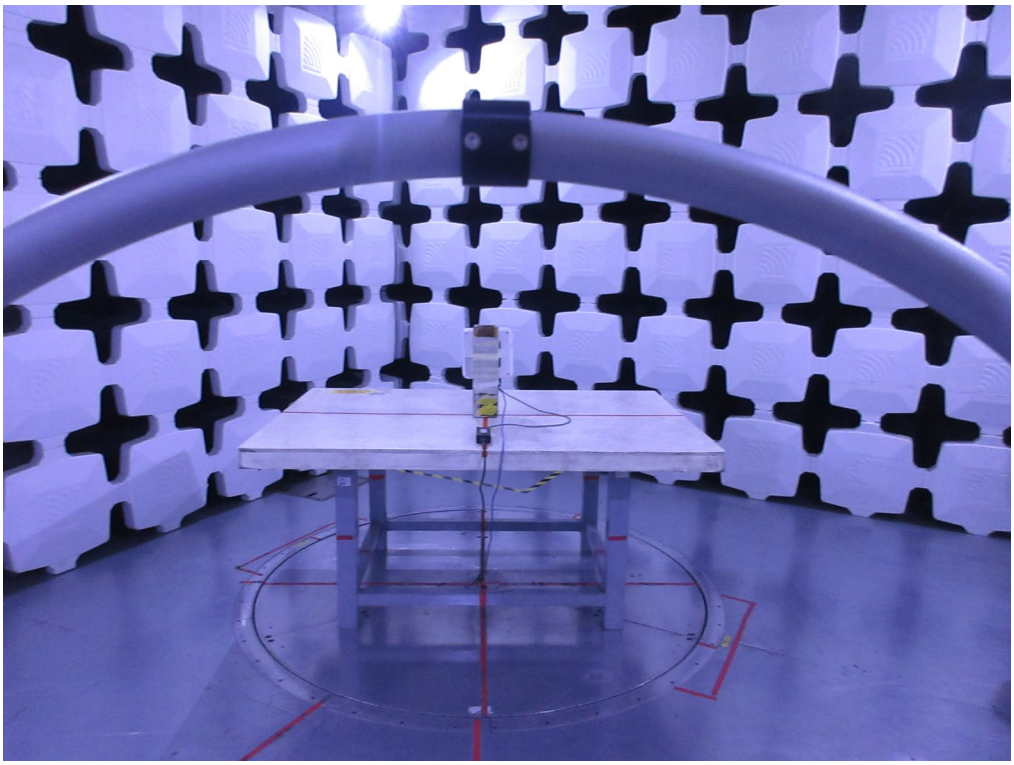
11. EUT TEST PHOTO

AC Power Line Conducted Emissions Test Photos

Radiated Emissions Test Photos

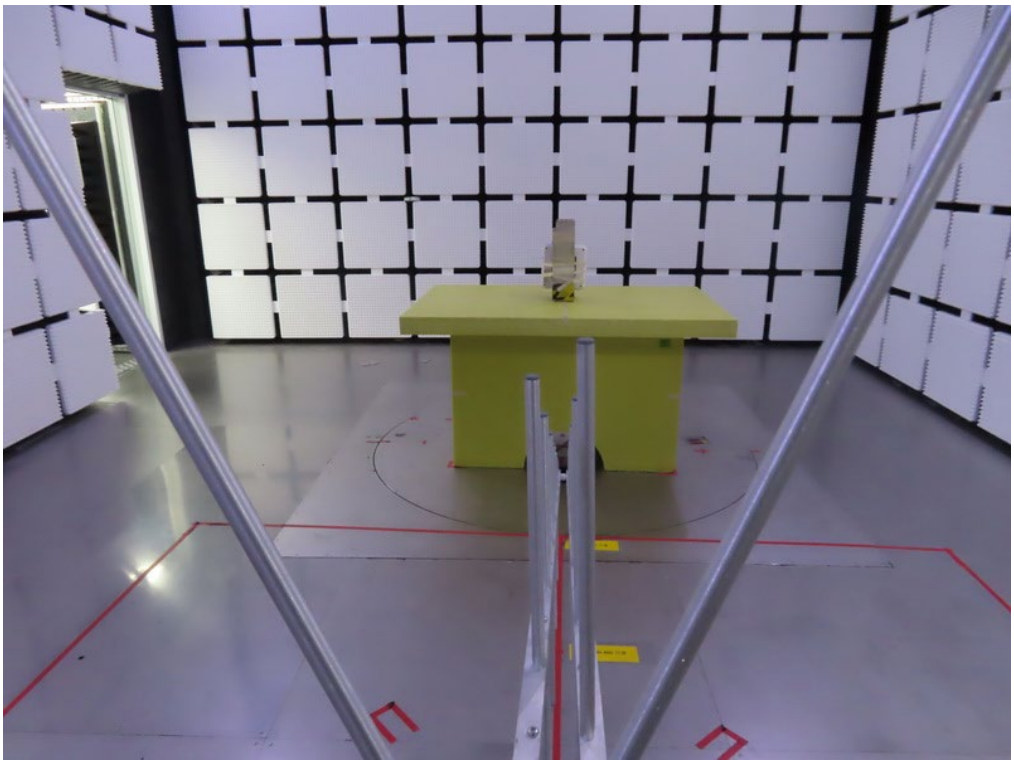
9 kHz to 30 MHz

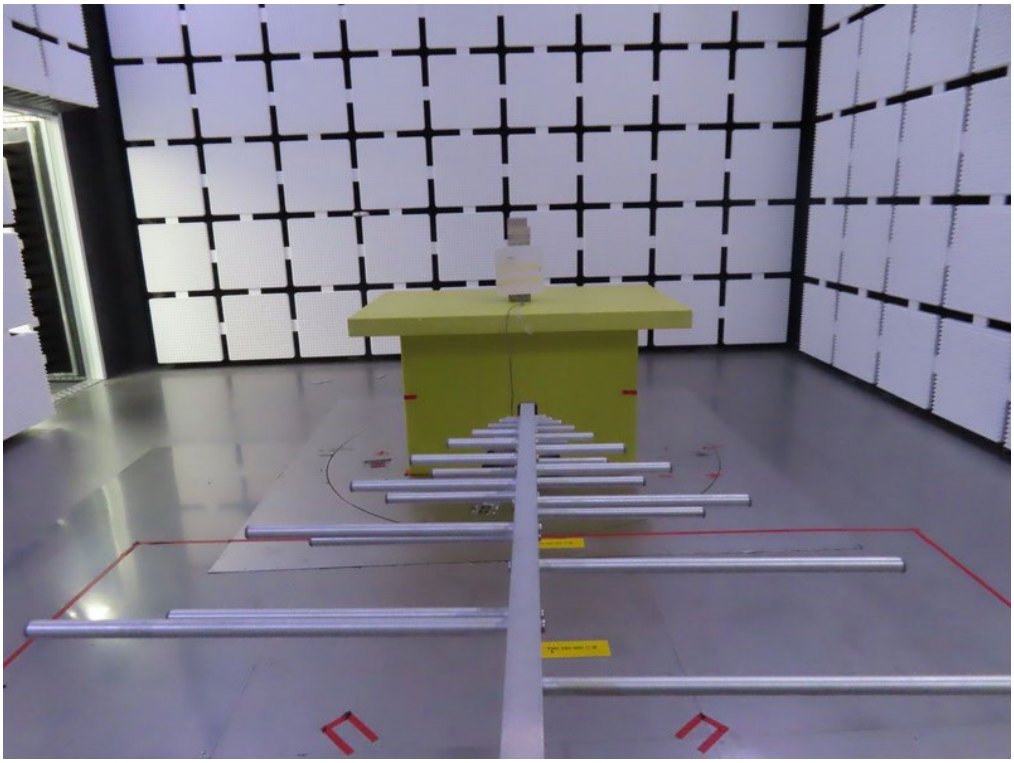




Radiated Emissions Test Photos

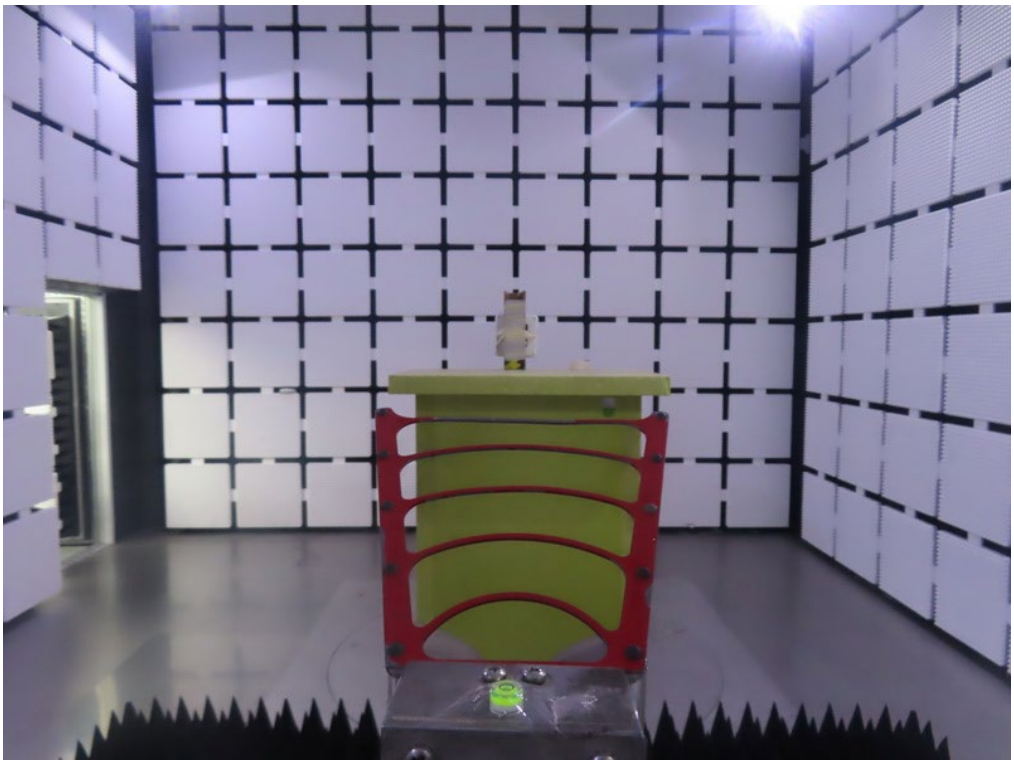
30 MHz to 1 GHz

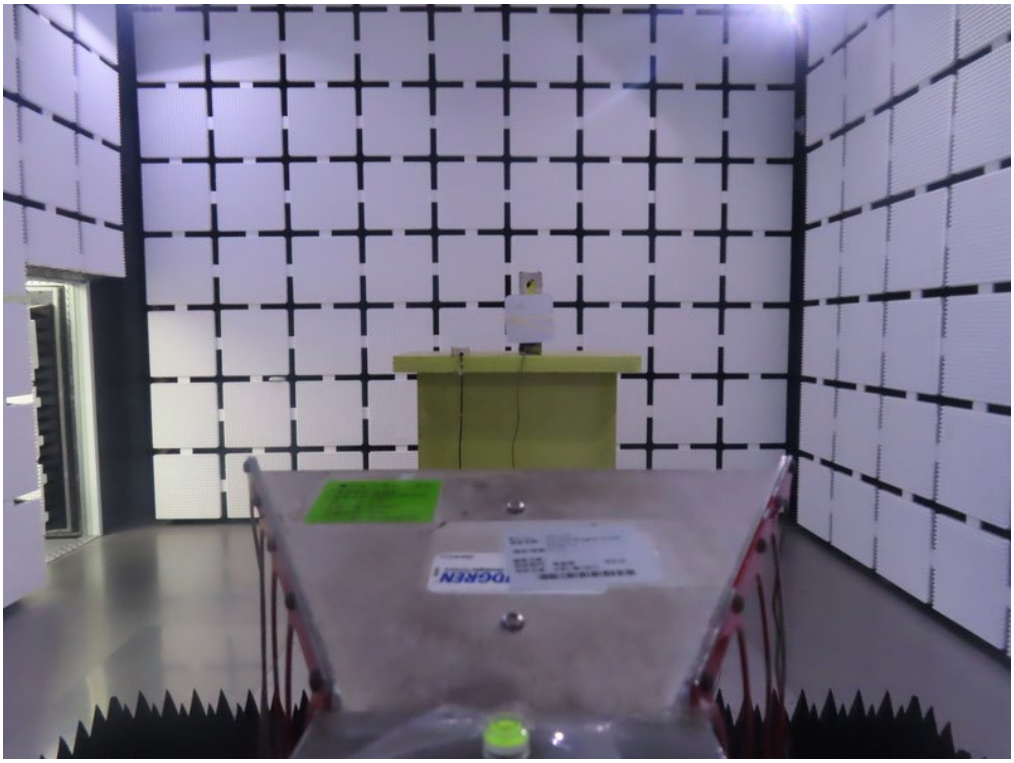




Radiated Emissions Test Photos

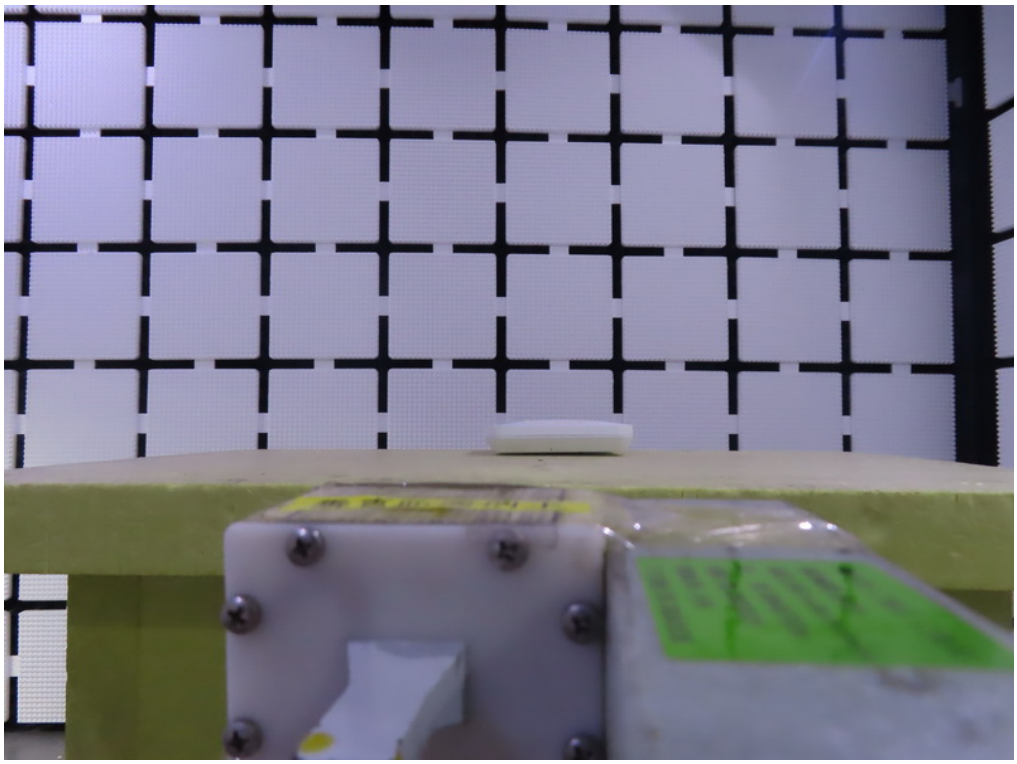
Band edge & Harmonic (1 GHz to 18 GHz)

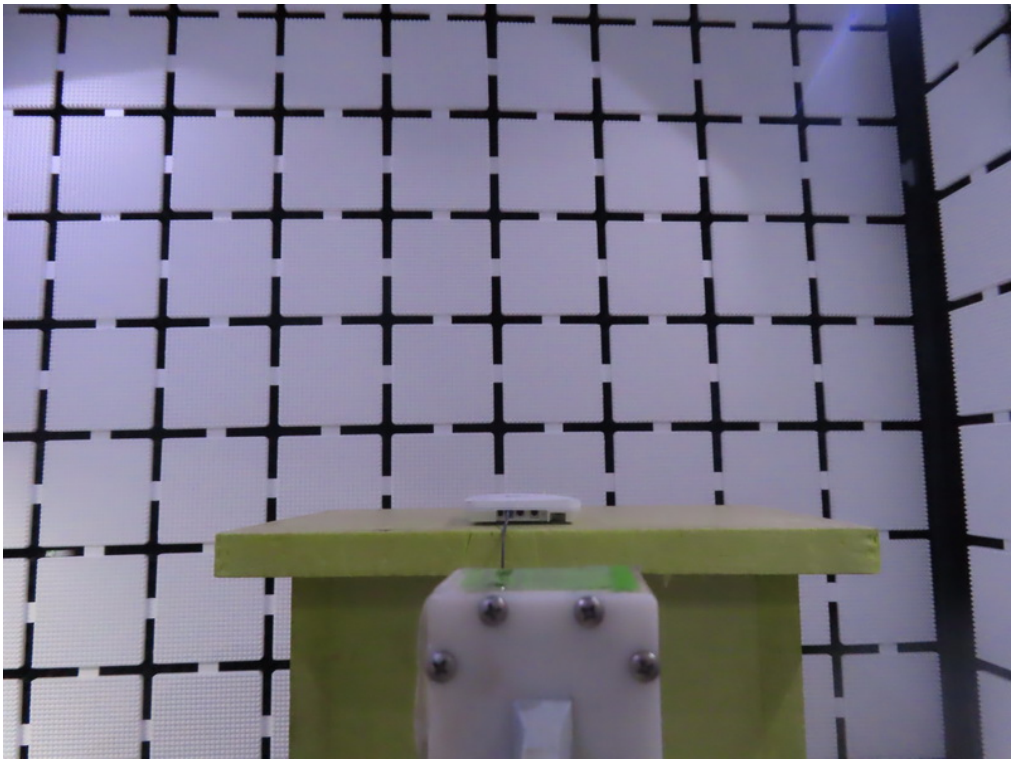




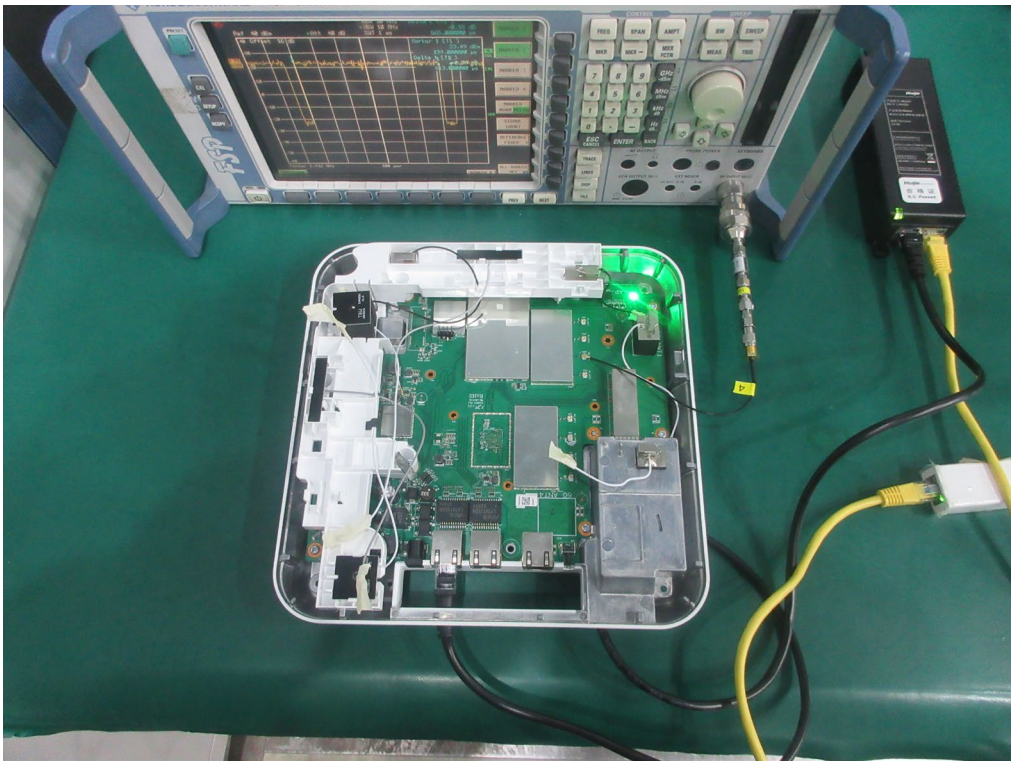
Radiated Emissions Test Photos

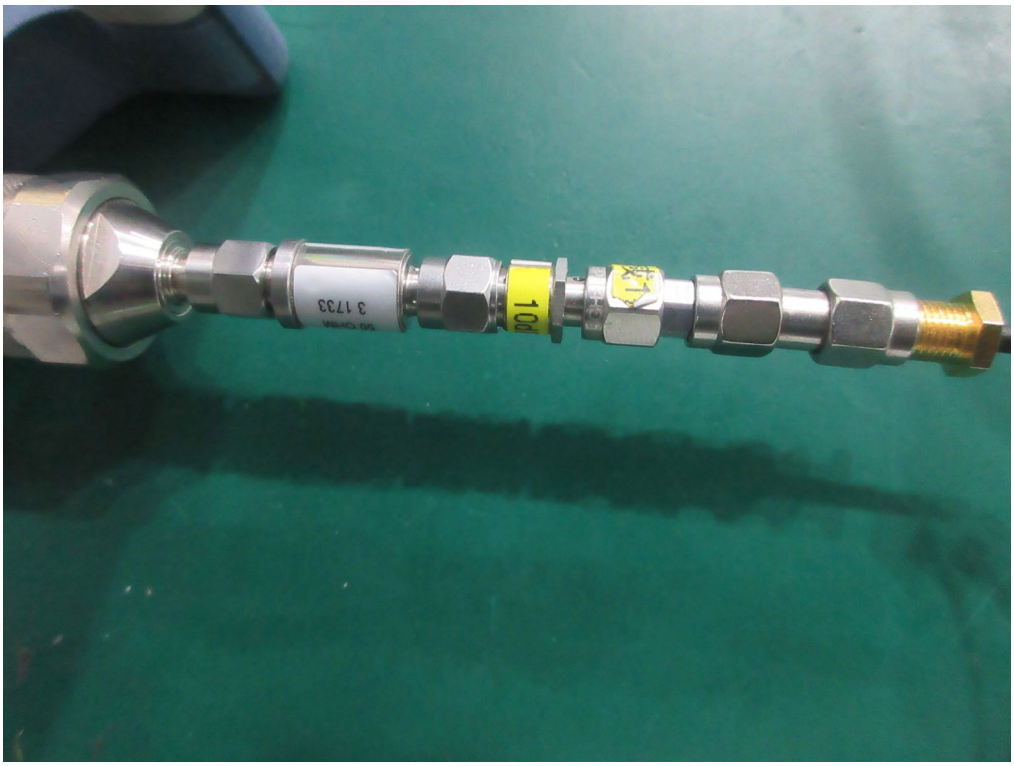
Harmonic (18 GHz to 26.5 GHz)





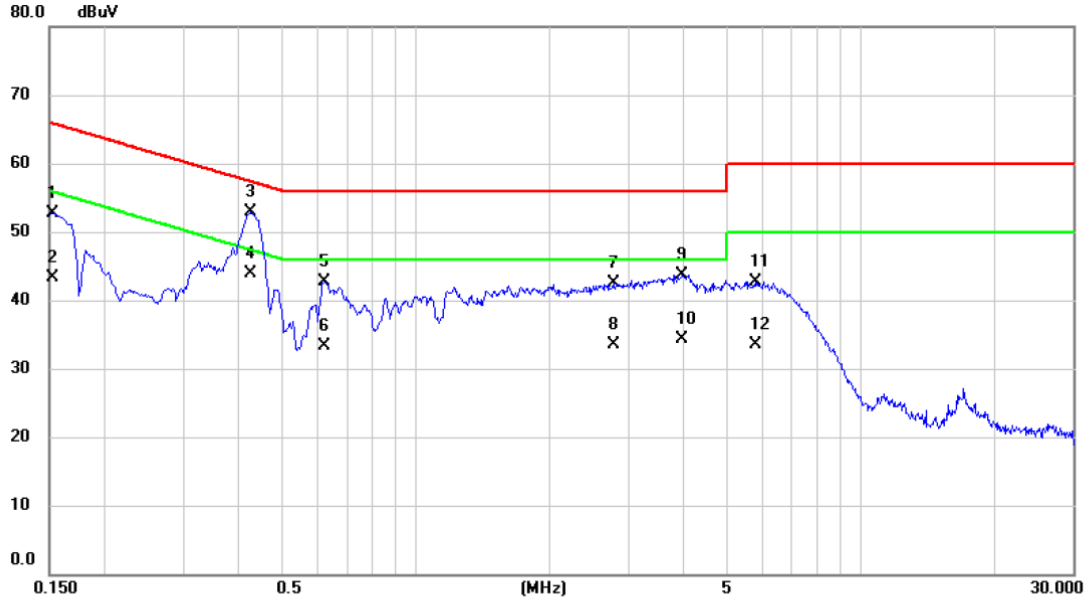
Conducted Test Photos





APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

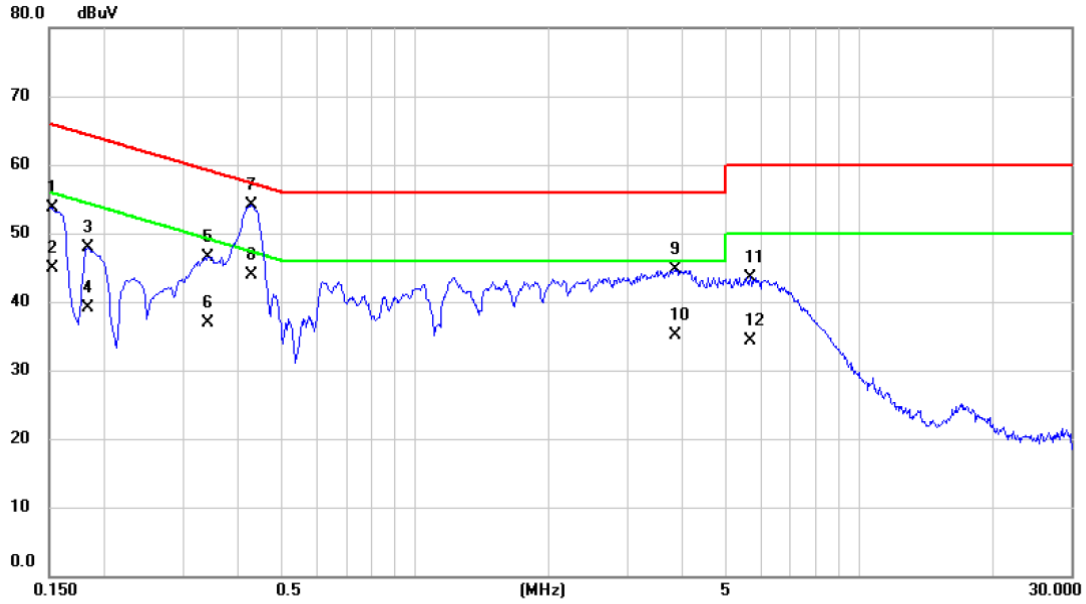
Test Mode	TX AX(HE20) Mode Channel 06	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1522	42.95	9.71	52.66	65.88	-13.22	QP	
2		0.1522	33.50	9.71	43.21	55.88	-12.67	AVG	
3		0.4244	43.18	9.74	52.92	57.36	-4.44	QP	
4	*	0.4244	34.20	9.74	43.94	47.36	-3.42	AVG	
5		0.6247	32.90	9.75	42.65	56.00	-13.35	QP	
6		0.6247	23.50	9.75	33.25	46.00	-12.75	AVG	
7		2.7757	32.63	9.91	42.54	56.00	-13.46	QP	
8		2.7757	23.60	9.91	33.51	46.00	-12.49	AVG	
9		3.9660	33.76	9.98	43.74	56.00	-12.26	QP	
10		3.9660	24.30	9.98	34.28	46.00	-11.72	AVG	
11		5.7952	32.68	10.06	42.74	60.00	-17.26	QP	
12		5.7952	23.50	10.06	33.56	50.00	-16.44	AVG	

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

Test Mode	TX AX(HE20) Mode Channel 06	Phase	Neutral

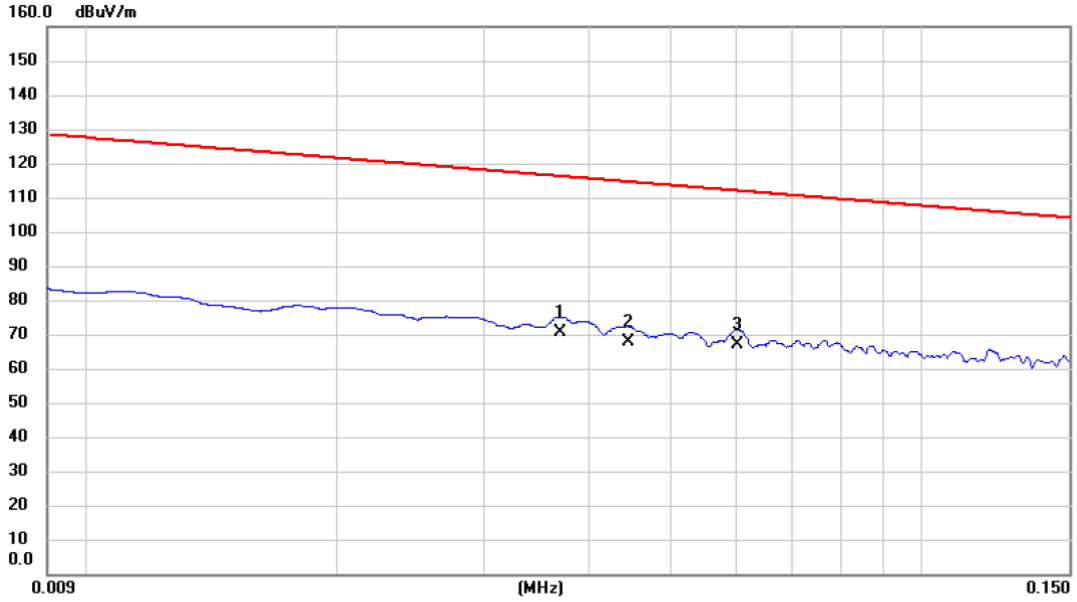


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1522	44.02	9.68	53.70	65.88	-12.18	QP	
2		0.1522	35.20	9.68	44.88	55.88	-11.00	AVG	
3		0.1836	38.16	9.69	47.85	64.32	-16.47	QP	
4		0.1836	29.40	9.69	39.09	54.32	-15.23	AVG	
5		0.3412	36.85	9.69	46.54	59.17	-12.63	QP	
6		0.3412	27.30	9.69	36.99	49.17	-12.18	AVG	
7	*	0.4290	44.34	9.70	54.04	57.27	-3.23	QP	
8		0.4290	34.30	9.70	44.00	47.27	-3.27	AVG	
9		3.8557	34.73	9.94	44.67	56.00	-11.33	QP	
10		3.8557	25.20	9.94	35.14	46.00	-10.86	AVG	
11		5.6647	33.56	10.04	43.60	60.00	-16.40	QP	
12		5.6647	24.30	10.04	34.34	50.00	-15.66	AVG	

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

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

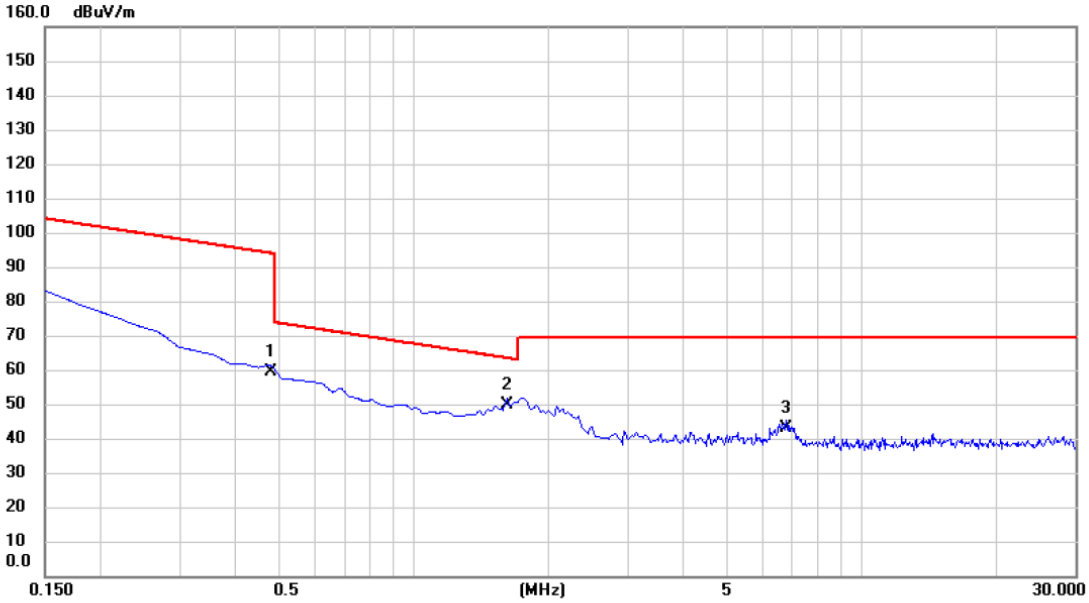
Test Mode	TX AX(HE20)Mode Channel 06	Polarization	Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0370	49.30	21.14	70.44	116.24	-45.80	AVG	
2		0.0445	46.58	21.17	67.75	114.64	-46.89	AVG	
3	*	0.0602	45.82	21.23	67.05	112.01	-44.96	AVG	

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

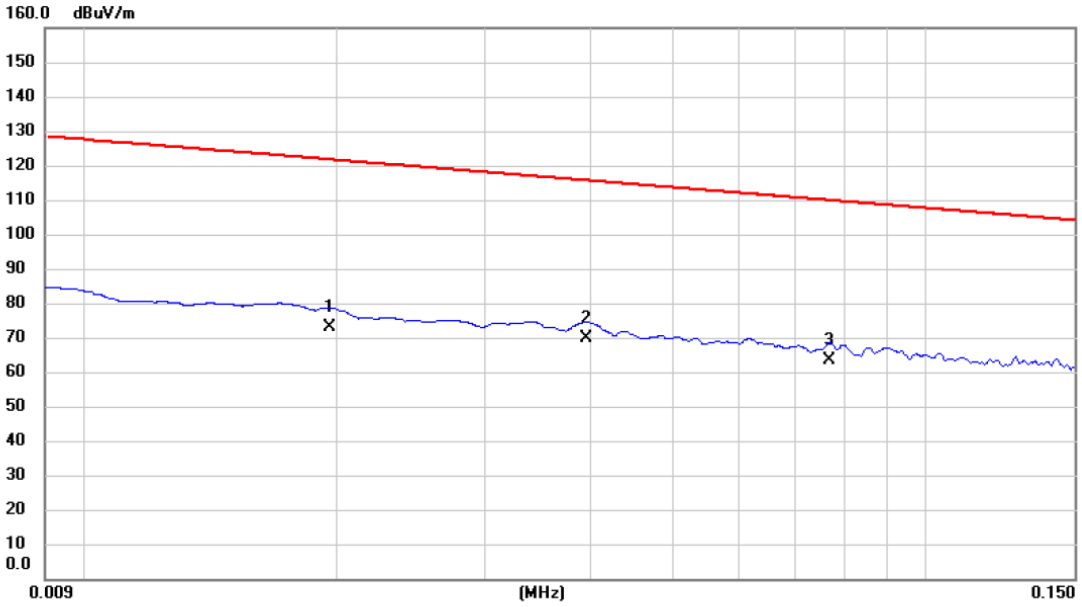
Test Mode	TX AX(HE20) Mode Channel 06	Polarization	Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4783	38.16	21.06	59.22	94.01	-34.79	AVG	
2	*	1.6126	28.49	21.14	49.63	63.45	-13.82	QP	
3		6.7767	22.01	21.19	43.20	69.54	-26.34	QP	

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

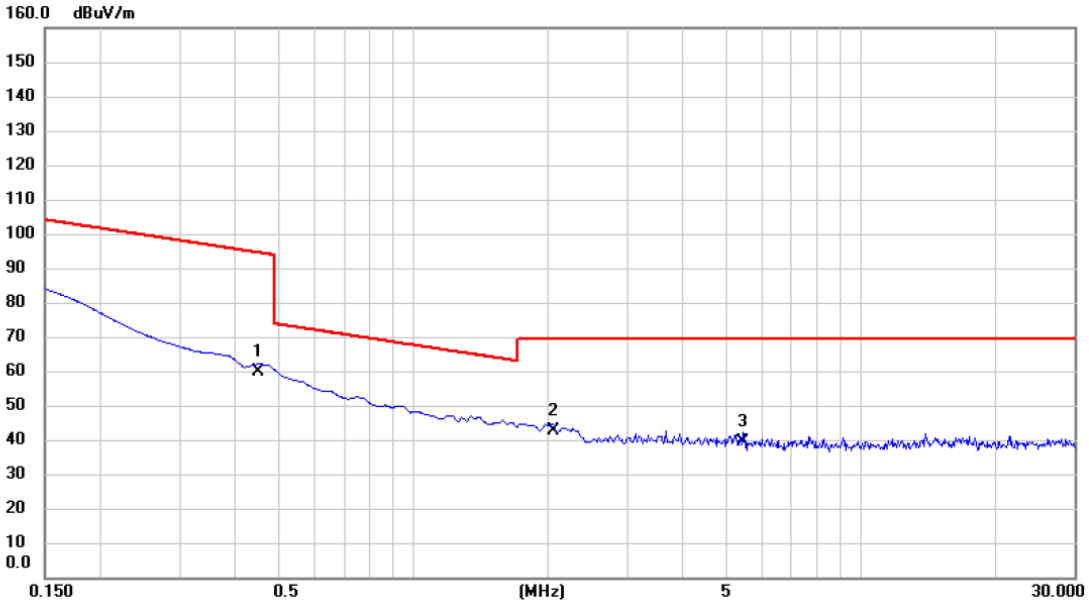
Test Mode	TX AX(HE20) Mode Channel 06	Polarization	Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0196	52.36	20.79	73.15	121.76	-48.61	AVG	
2	*	0.0395	48.59	21.15	69.74	115.67	-45.93	AVG	
3		0.0768	42.04	21.29	63.33	109.90	-46.57	AVG	

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

Test Mode	TX AX(HE20) Mode Channel 06	Polarization	Ant 90°

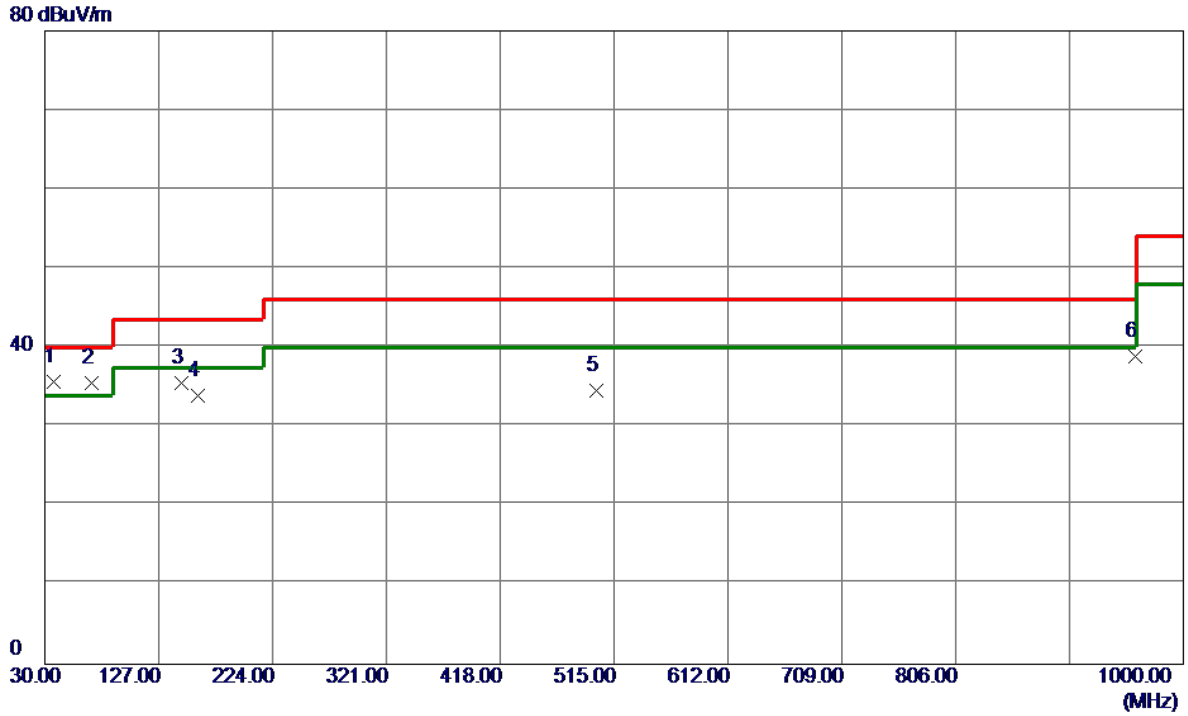


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4485	38.94	21.06	60.00	94.57	-34.57	AVG	
2	*	2.0604	21.46	21.11	42.57	69.54	-26.97	QP	
3		5.4633	18.42	21.17	39.59	69.54	-29.95	QP	

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

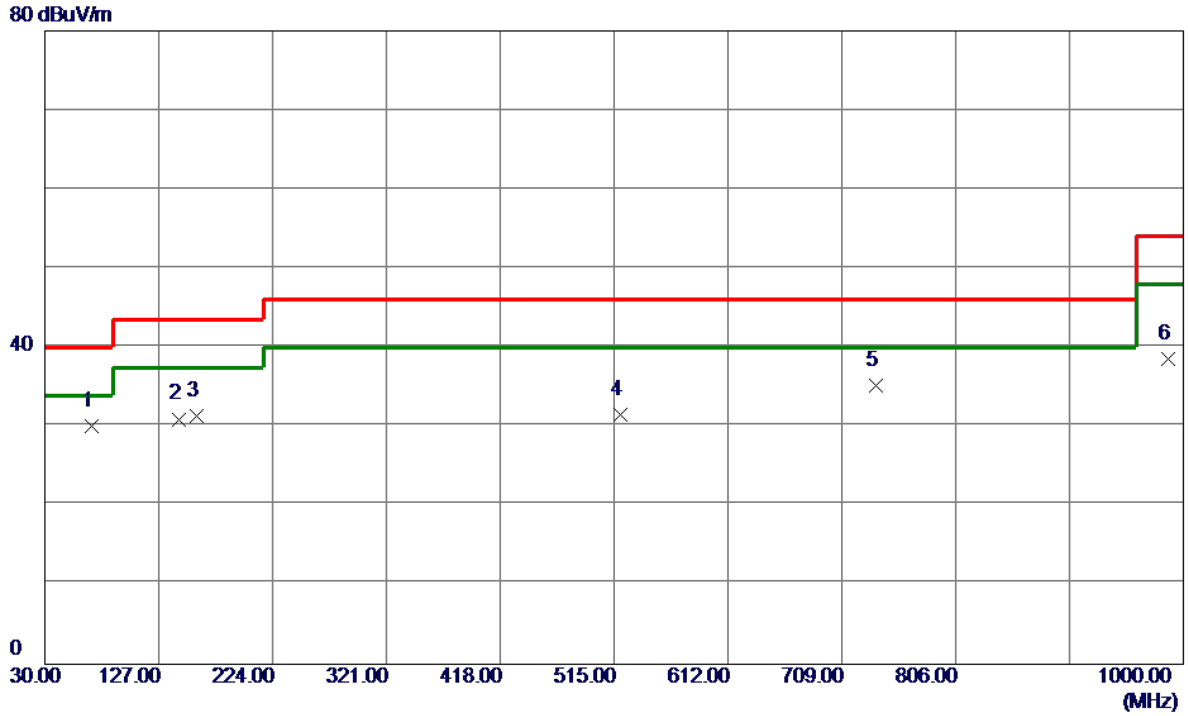
Test Mode	TX AX(HE20) Mode Channel 06	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	37.7599	47.79	-12.16	35.63	40.00	-4.37	QP	
2	69.7699	48.96	-13.45	35.51	40.00	-4.49	QP	
3	146.4000	46.92	-11.37	35.55	43.50	-7.95	Peak	
4	160.4650	44.94	-11.08	33.86	43.50	-9.64	Peak	
5	499.9650	40.59	-6.04	34.55	46.00	-11.45	Peak	
6	958.7750	38.28	0.60	38.88	46.00	-7.12	Peak	

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

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

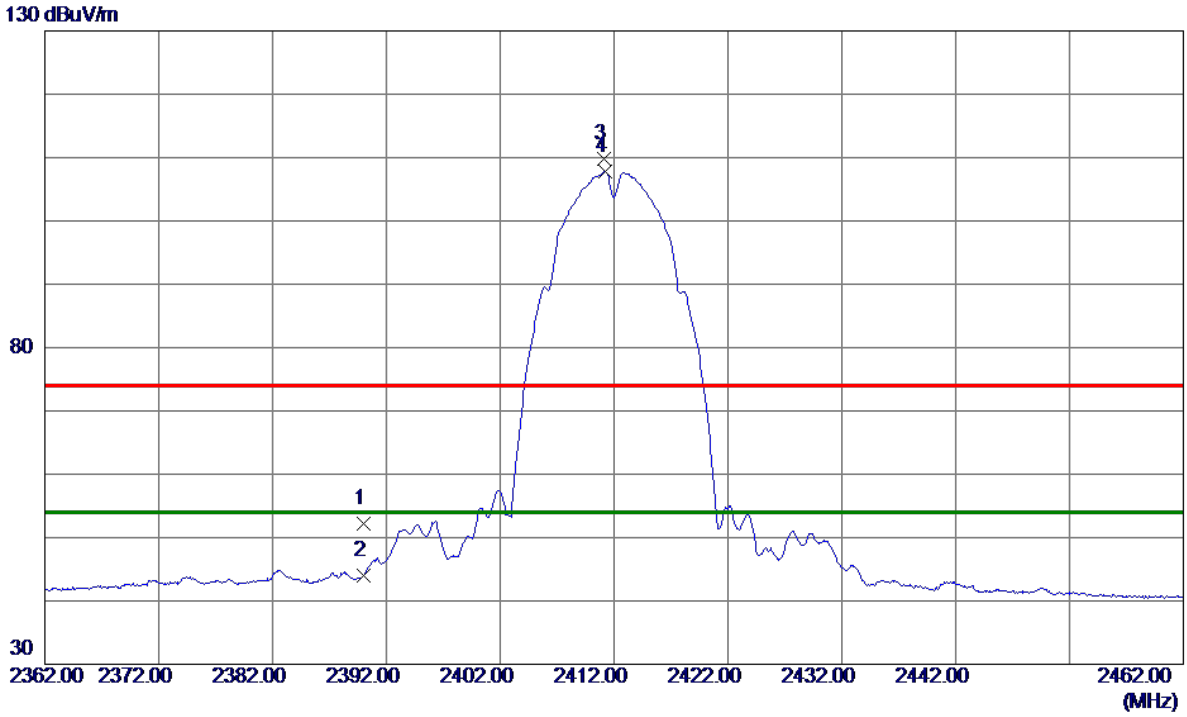


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	70.2550	43.62	-13.54	30.08	40.00	-9.92	Peak	
2	143.9750	42.48	-11.52	30.96	43.50	-12.54	Peak	
3	159.4950	42.39	-11.06	31.33	43.50	-12.17	Peak	
4	519.8500	37.24	-5.73	31.51	46.00	-14.49	Peak	
5	738.5850	36.96	-1.72	35.24	46.00	-10.76	Peak	
6	986.9050	37.81	0.76	38.57	54.00	-15.43	Peak	

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

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

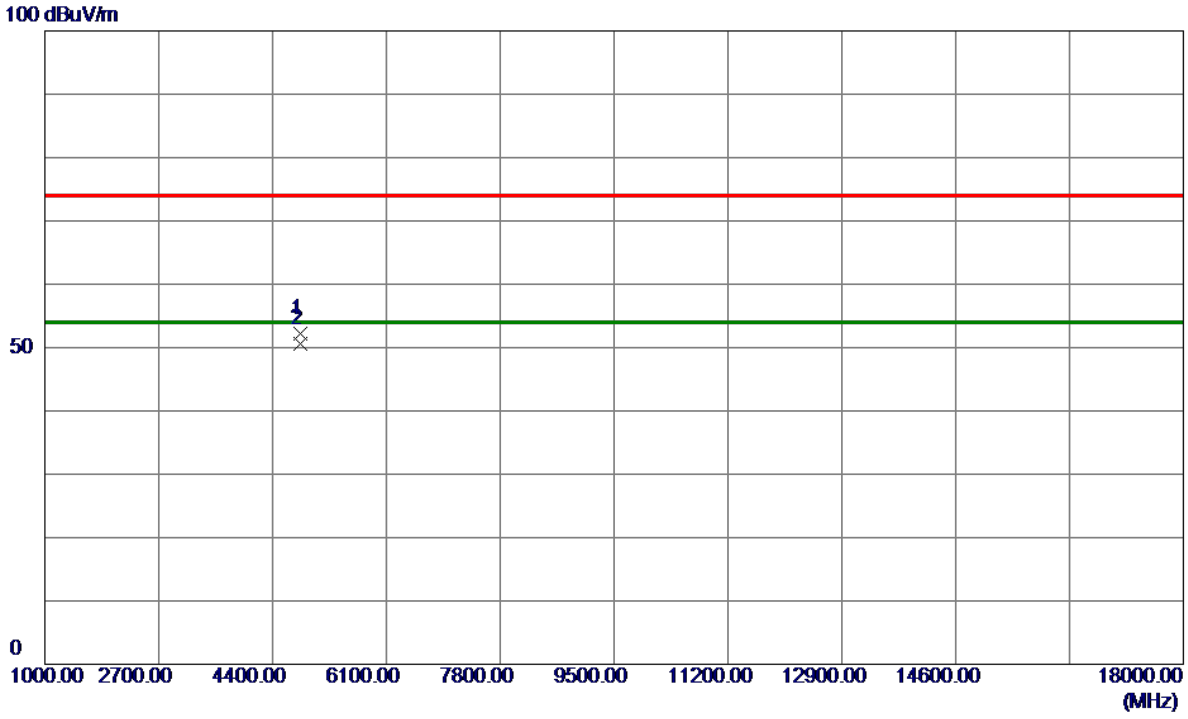
Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	45.96	6.17	52.13	74.00	-21.87	Peak	
2	2390.0000	37.86	6.17	44.03	54.00	-9.97	AVG	
3	2411.1500	103.54	6.18	109.72	74.00	35.72	Peak	No Limit
4 *	2411.2000	101.54	6.18	107.72	54.00	53.72	AVG	No Limit

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

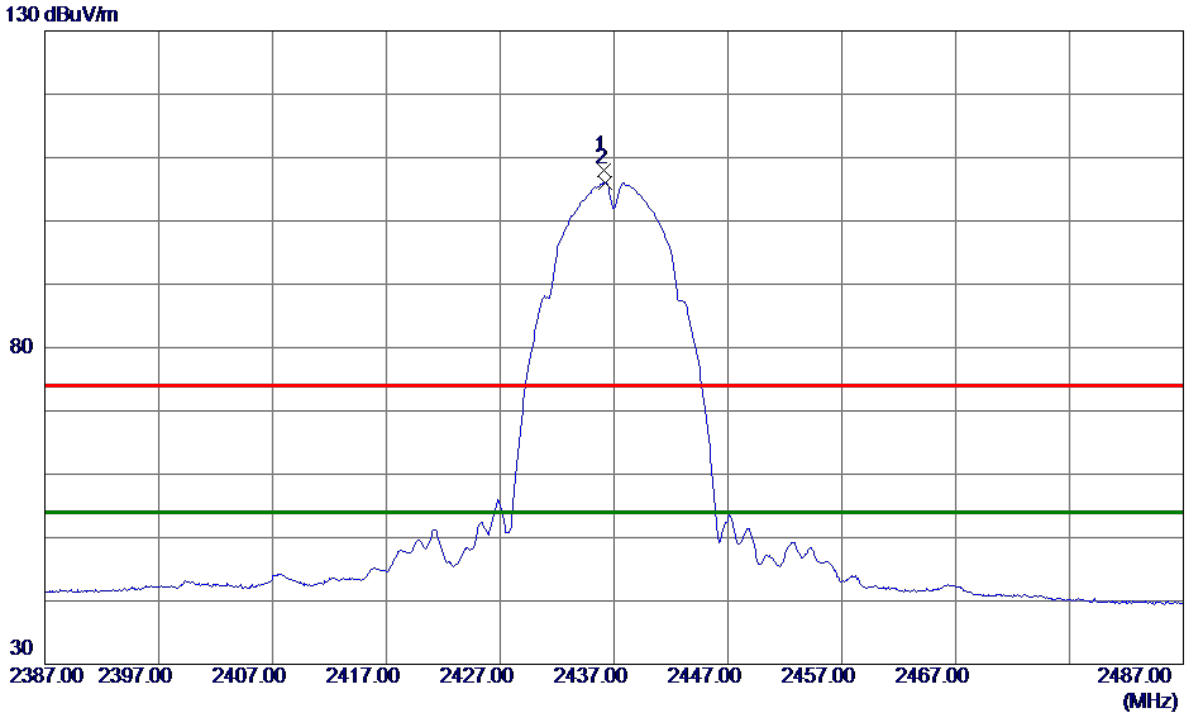
Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.9200	49.66	2.46	52.12	74.00	-21.88	Peak	
2 *	4823.9750	48.15	2.46	50.61	54.00	-3.39	AVG	

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

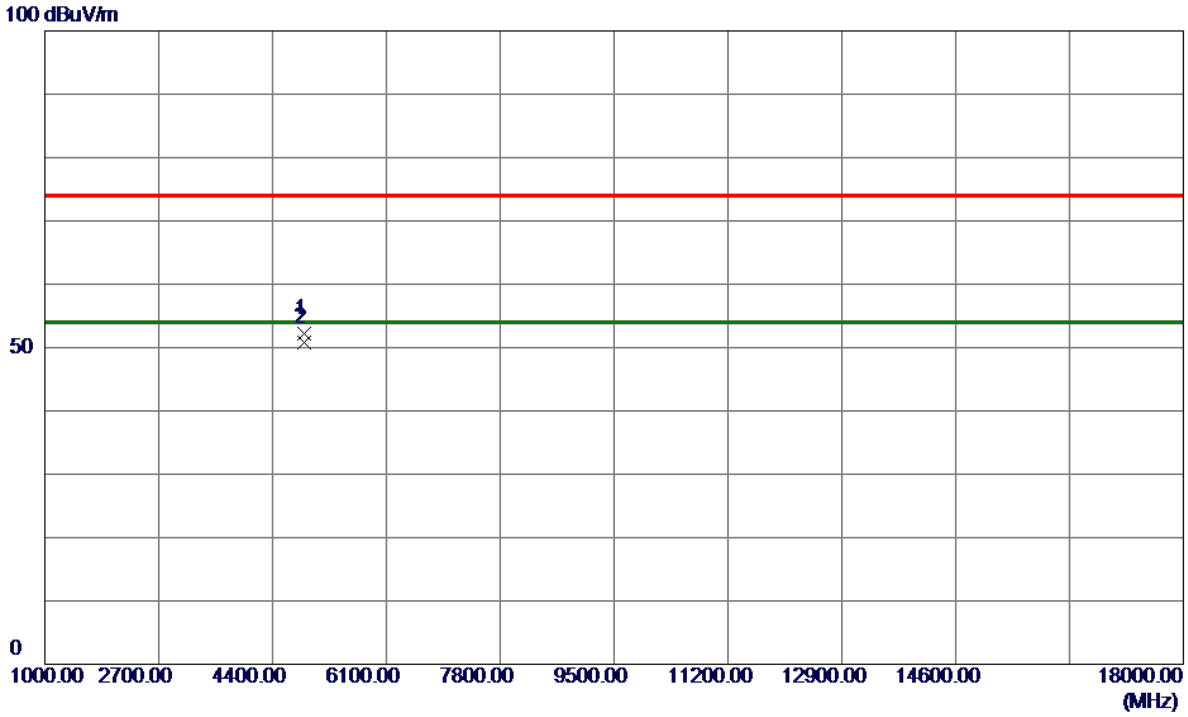
Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2436.1500	101.71	6.20	107.91	74.00	33.91	Peak	No Limit
2 *	2436.2000	99.85	6.20	106.05	54.00	52.05	AVG	No Limit

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

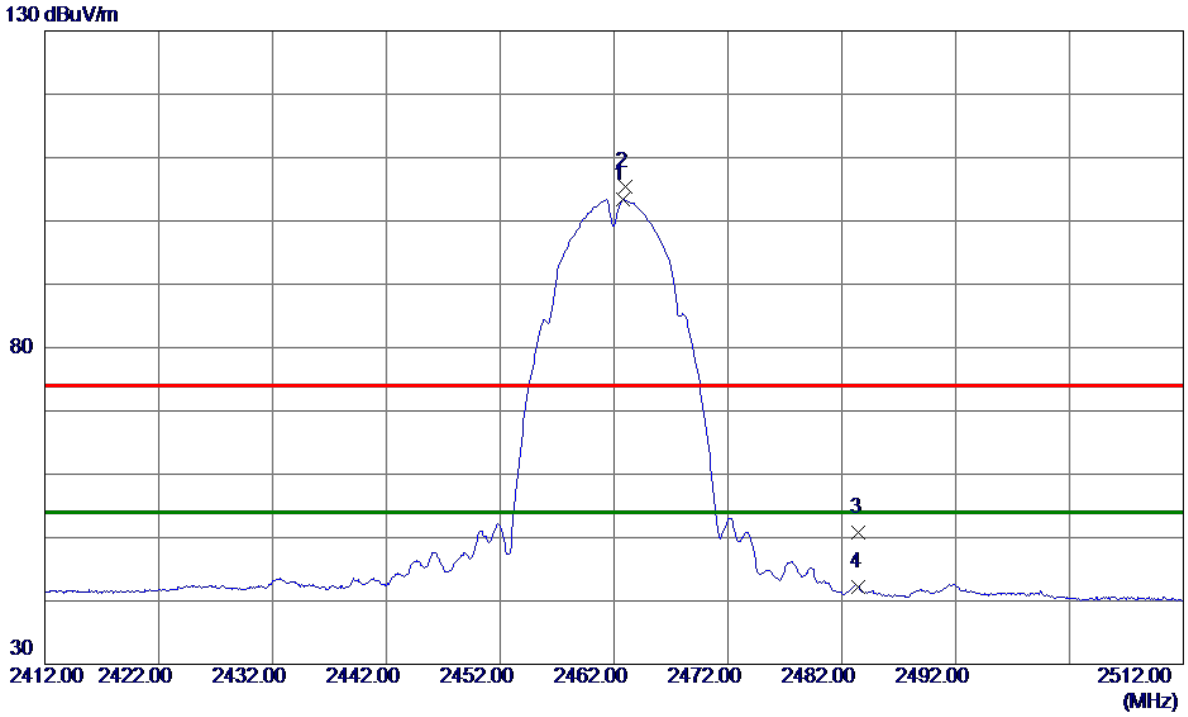
Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.9400	49.71	2.57	52.28	74.00	-21.72	Peak	
2 *	4874.0000	48.13	2.58	50.71	54.00	-3.29	AVG	

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

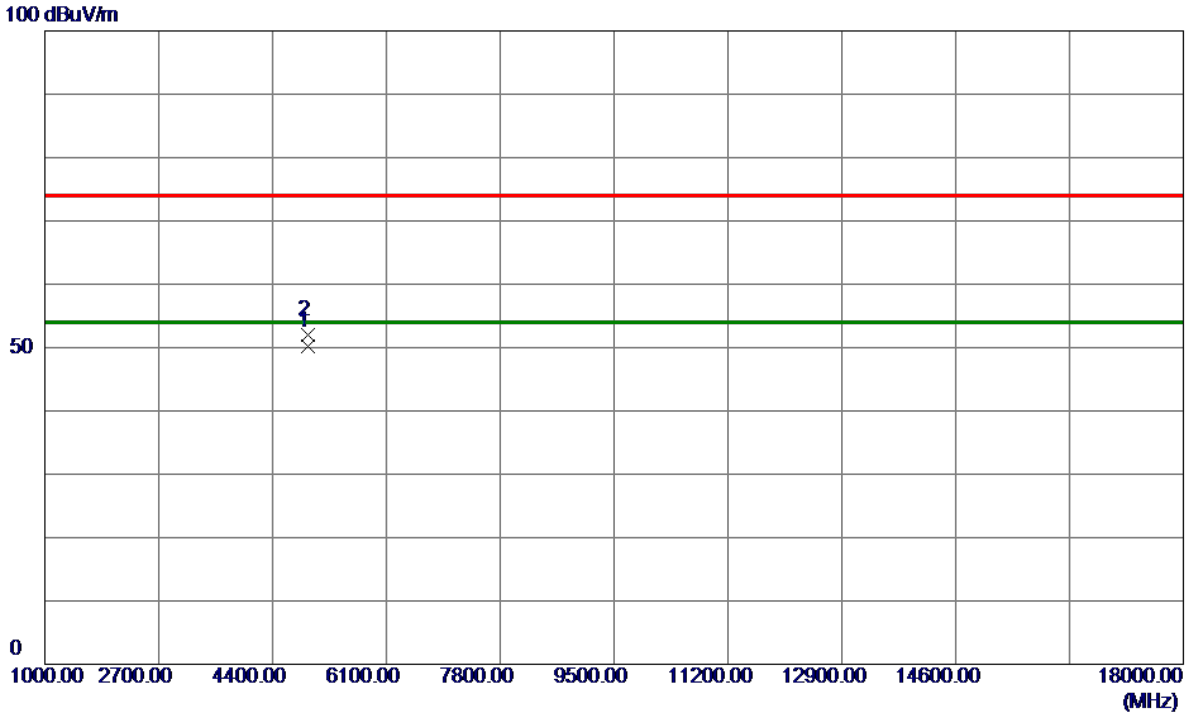
Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2462.8000	97.19	6.22	103.41	54.00	49.41	AVG	No Limit
2	2462.9500	99.10	6.22	105.32	74.00	31.32	Peak	No Limit
3	2483.5000	44.52	6.23	50.75	74.00	-23.25	Peak	
4	2483.5000	35.90	6.23	42.13	54.00	-11.87	AVG	

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

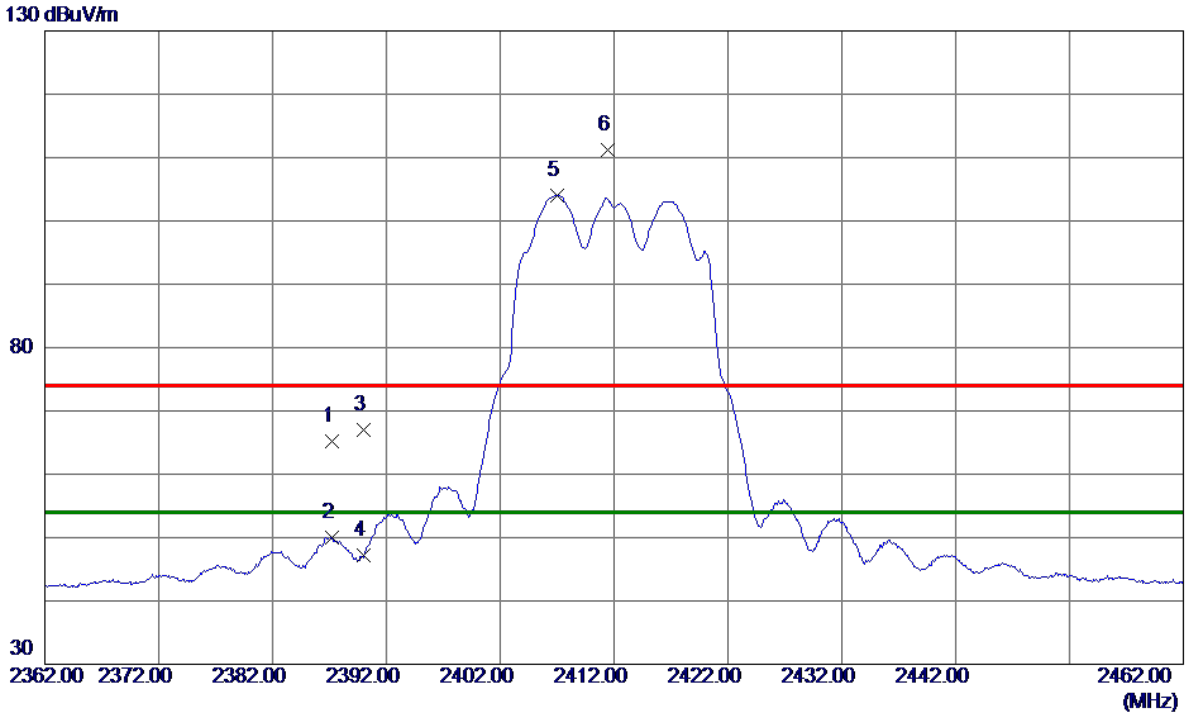
Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4923.9600	47.51	2.69	50.20	54.00	-3.80	AVG	
2	4923.9700	49.26	2.69	51.95	74.00	-22.05	Peak	

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

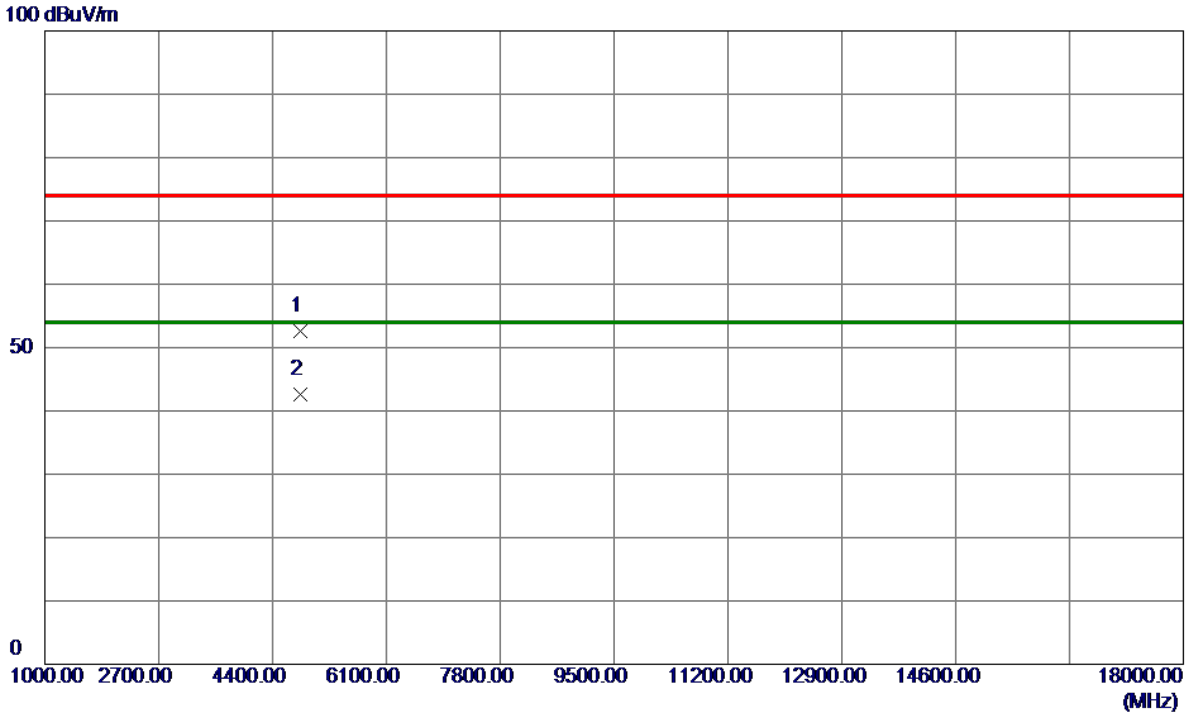
Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2387.2000	59.04	6.17	65.21	74.00	-8.79	Peak	
2	2387.2000	43.76	6.17	49.93	54.00	-4.07	AVG	
3	2390.0000	60.91	6.17	67.08	74.00	-6.92	Peak	
4	2390.0000	41.00	6.17	47.17	54.00	-6.83	AVG	
5 *	2406.9500	97.85	6.18	104.03	54.00	50.03	AVG	No Limit
6	2411.4000	105.06	6.18	111.24	74.00	37.24	Peak	No Limit

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

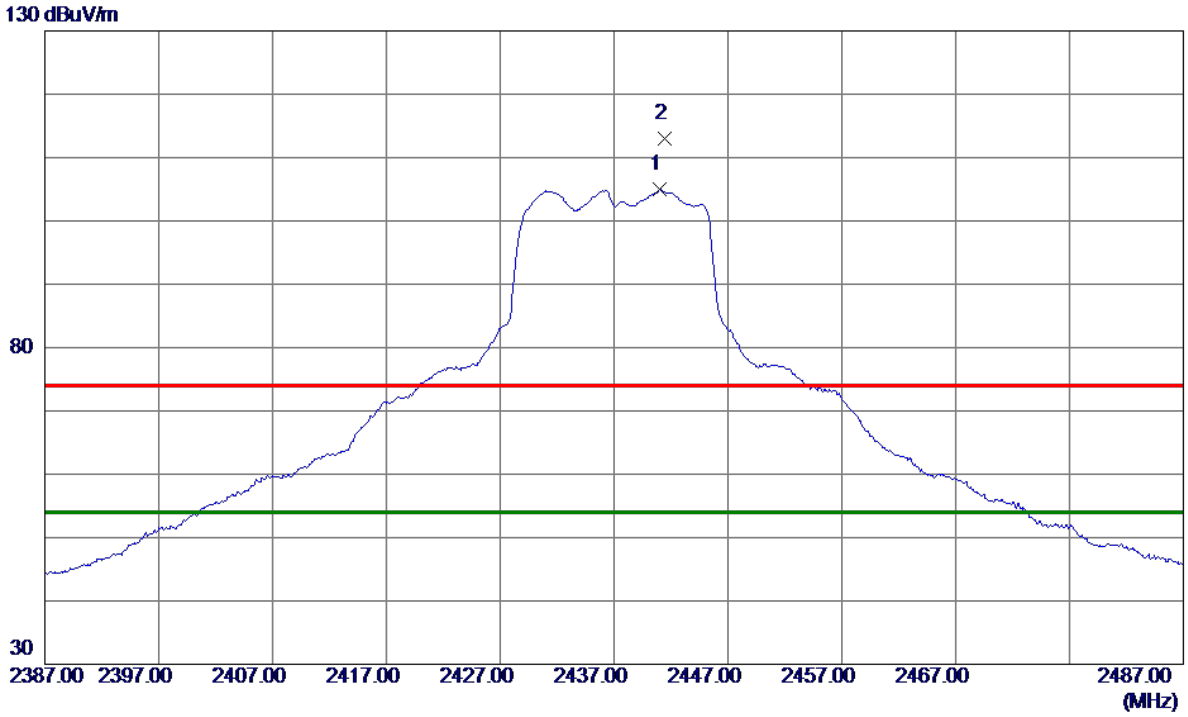
Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4818.1000	50.23	2.44	52.67	74.00	-21.33	Peak	
2 *	4824.6500	40.11	2.46	42.57	54.00	-11.43	AVG	

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

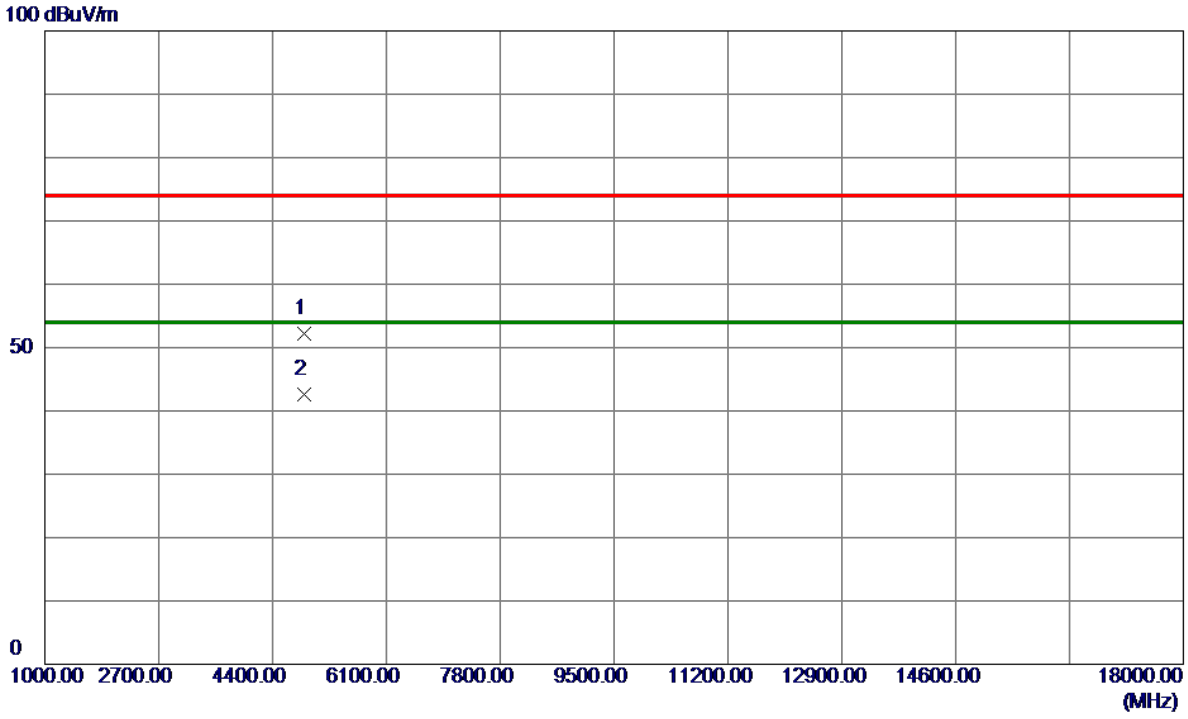
Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2441.0500	98.84	6.20	105.04	54.00	51.04	AVG	No Limit
2	2441.4500	106.88	6.20	113.08	74.00	39.08	Peak	No Limit

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

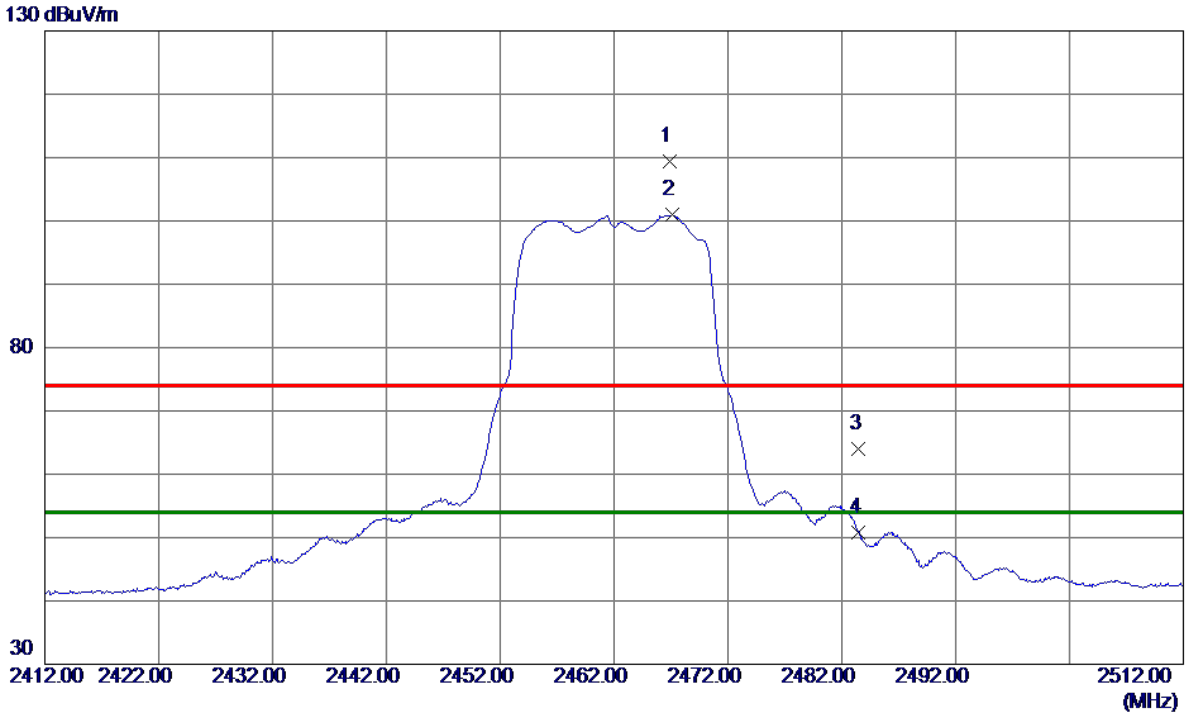
Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4871.6500	49.70	2.57	52.27	74.00	-21.73	Peak	
2 *	4873.6500	39.95	2.57	42.52	54.00	-11.48	AVG	

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

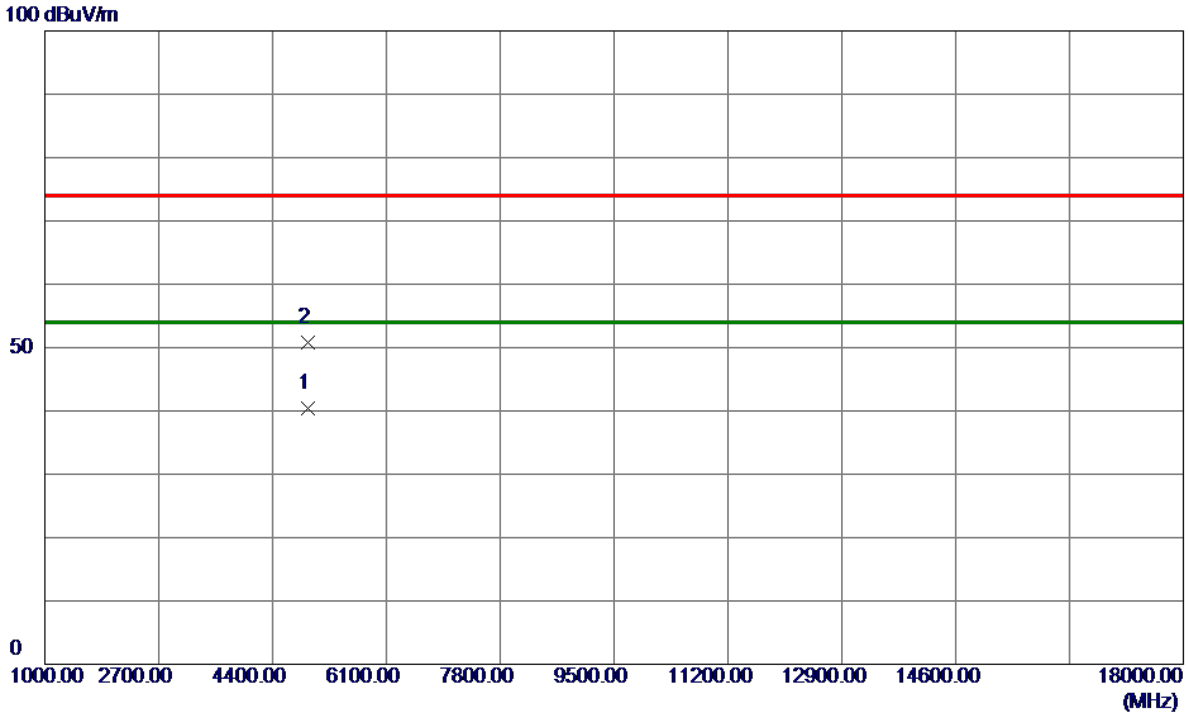
Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2466.8500	103.20	6.22	109.42	74.00	35.42	Peak	No Limit
2 *	2467.1000	94.69	6.22	100.91	54.00	46.91	AVG	No Limit
3	2483.5000	57.82	6.23	64.05	74.00	-9.95	Peak	
4	2483.5000	44.66	6.23	50.89	54.00	-3.11	AVG	

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

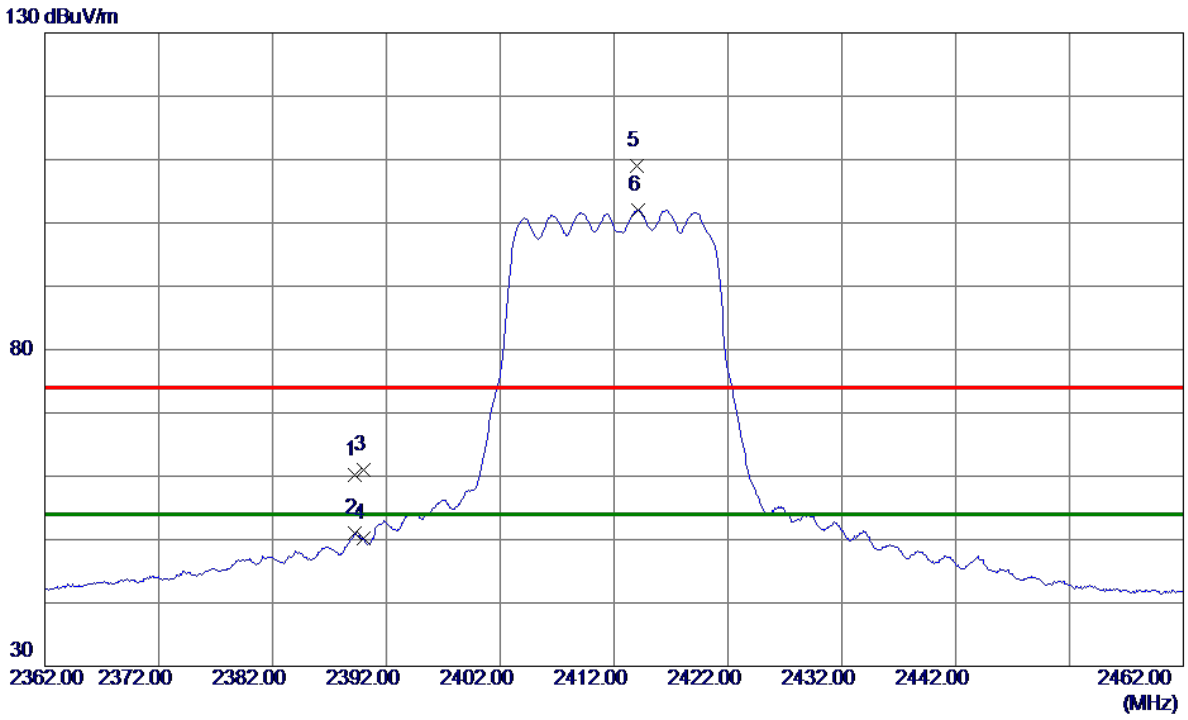
Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4923.1750	37.74	2.69	40.43	54.00	-13.57	AVG	
2	4928.7500	48.02	2.70	50.72	74.00	-23.28	Peak	

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

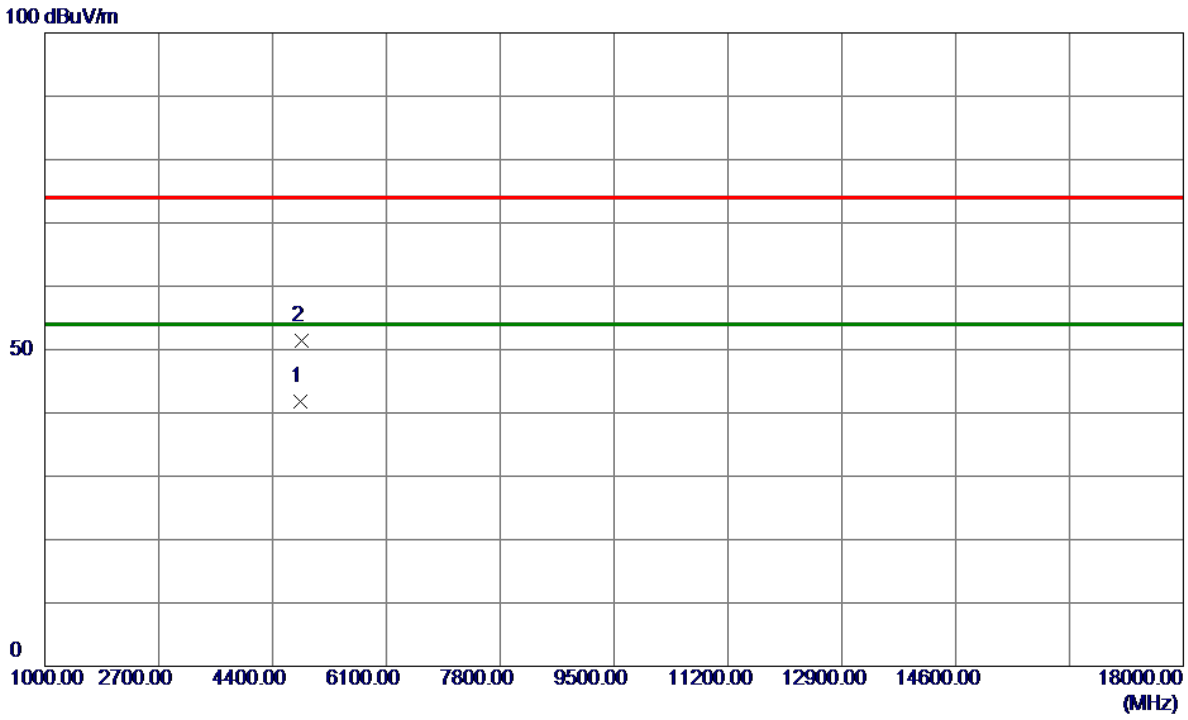
Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389.2500	54.09	6.17	60.26	74.00	-13.74	Peak	
2	2389.2500	44.76	6.17	50.93	54.00	-3.07	AVG	
3	2390.0000	54.91	6.17	61.08	74.00	-12.92	Peak	
4	2390.0000	43.96	6.17	50.13	54.00	-3.87	AVG	
5	2414.0000	102.73	6.18	108.91	74.00	34.91	Peak	No Limit
6 *	2414.1000	95.92	6.18	102.10	54.00	48.10	AVG	No Limit

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

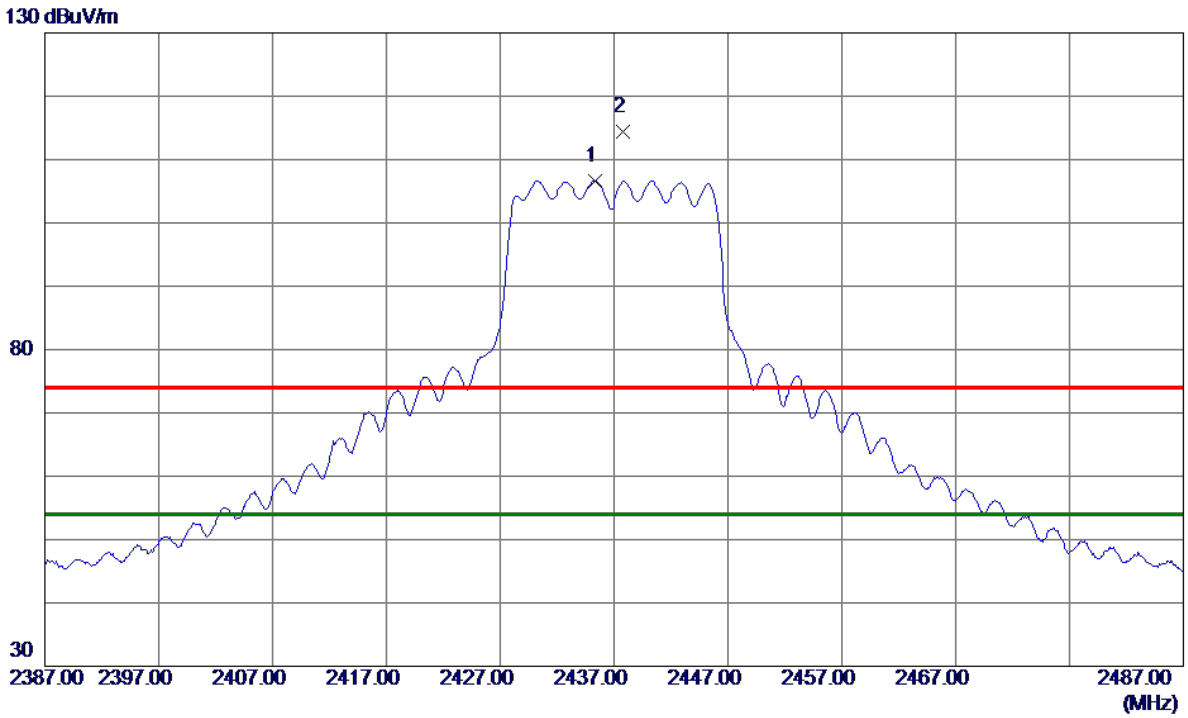
Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824.0500	39.38	2.46	41.84	54.00	-12.16	AVG	
2	4825.7000	48.97	2.46	51.43	74.00	-22.57	Peak	

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

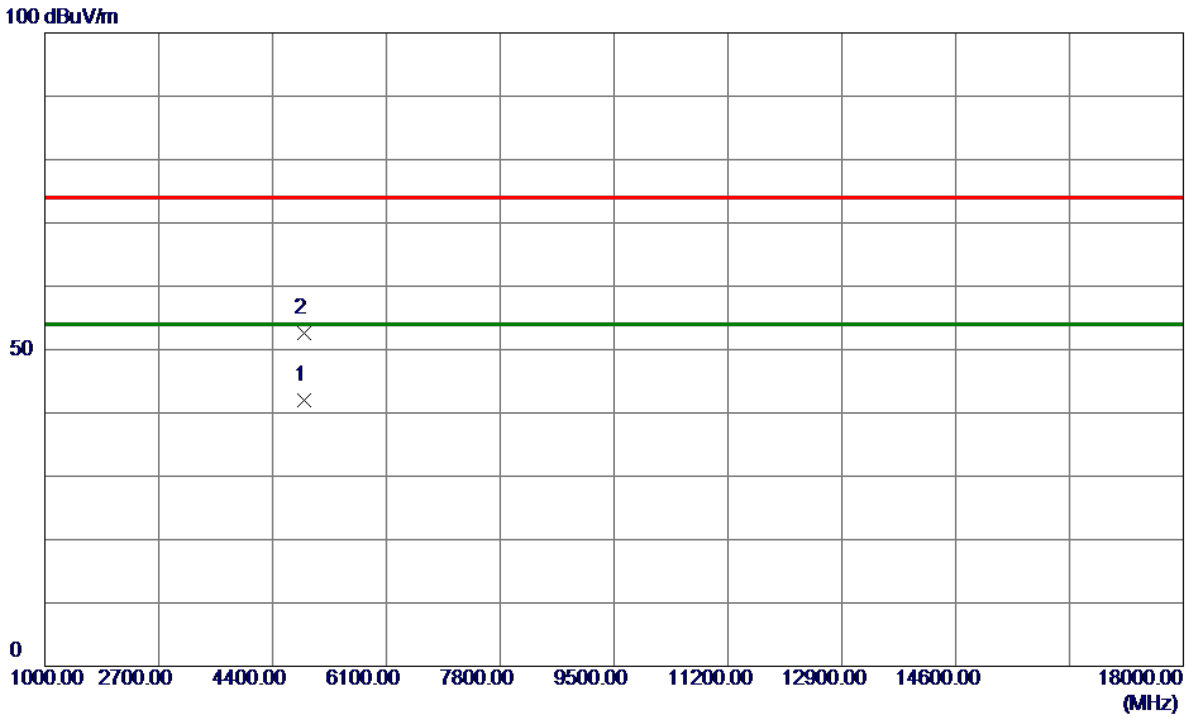
Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2435.3500	100.45	6.20	106.65	54.00	52.65	AVG	No Limit
2	2437.7500	108.27	6.20	114.47	74.00	40.47	Peak	No Limit

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

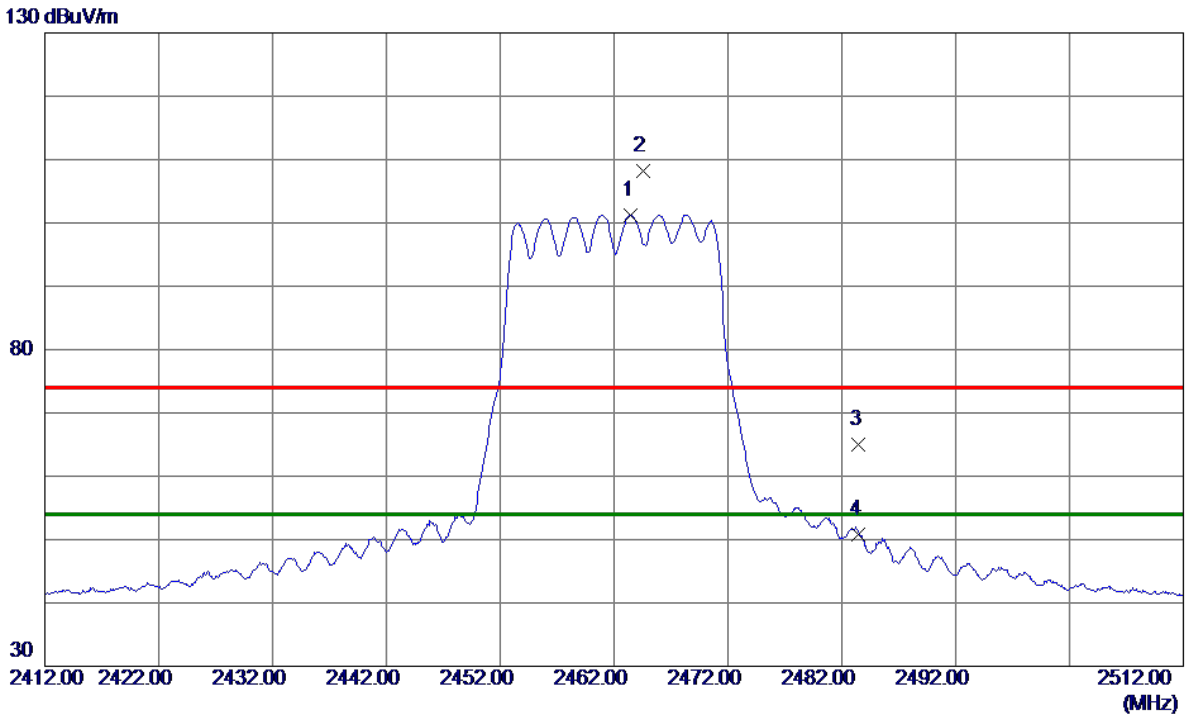
Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.8000	39.43	2.57	42.00	54.00	-12.00	AVG	
2	4875.5500	49.93	2.58	52.51	74.00	-21.49	Peak	

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

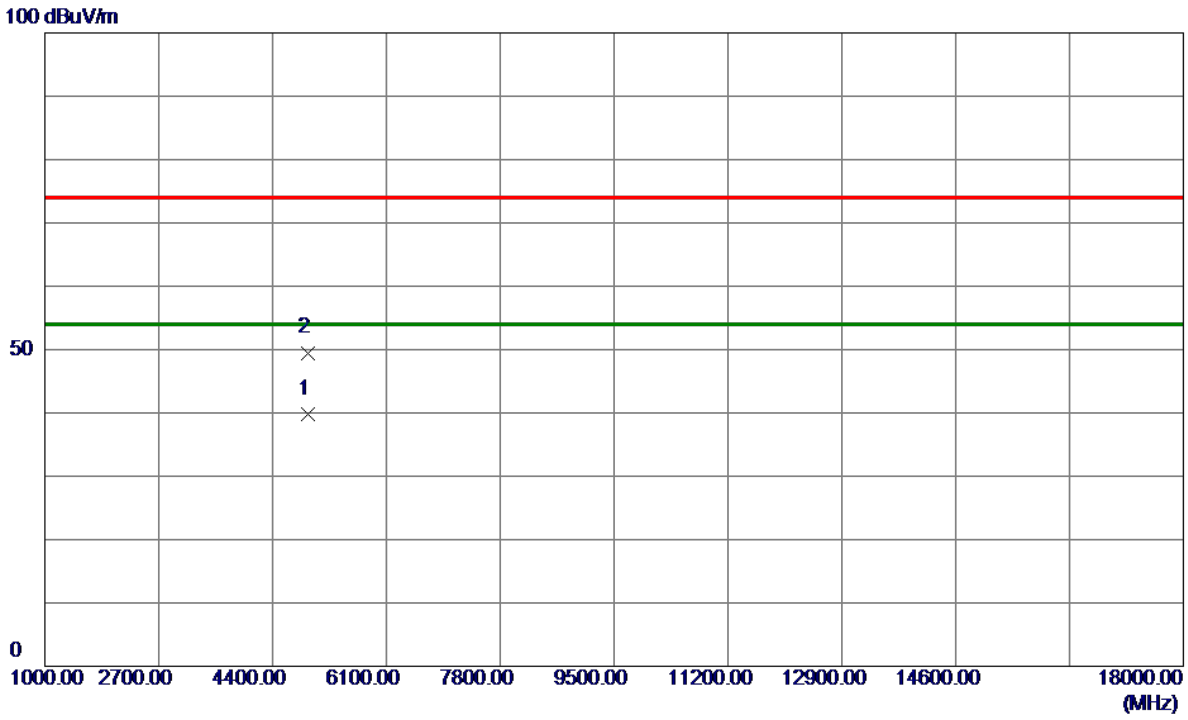
Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2463.5000	95.06	6.22	101.28	54.00	47.28	AVG	No Limit
2	2464.5500	102.02	6.22	108.24	74.00	34.24	Peak	No Limit
3	2483.5000	58.84	6.23	65.07	74.00	-8.93	Peak	
4	2483.5000	44.59	6.23	50.82	54.00	-3.18	AVG	

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

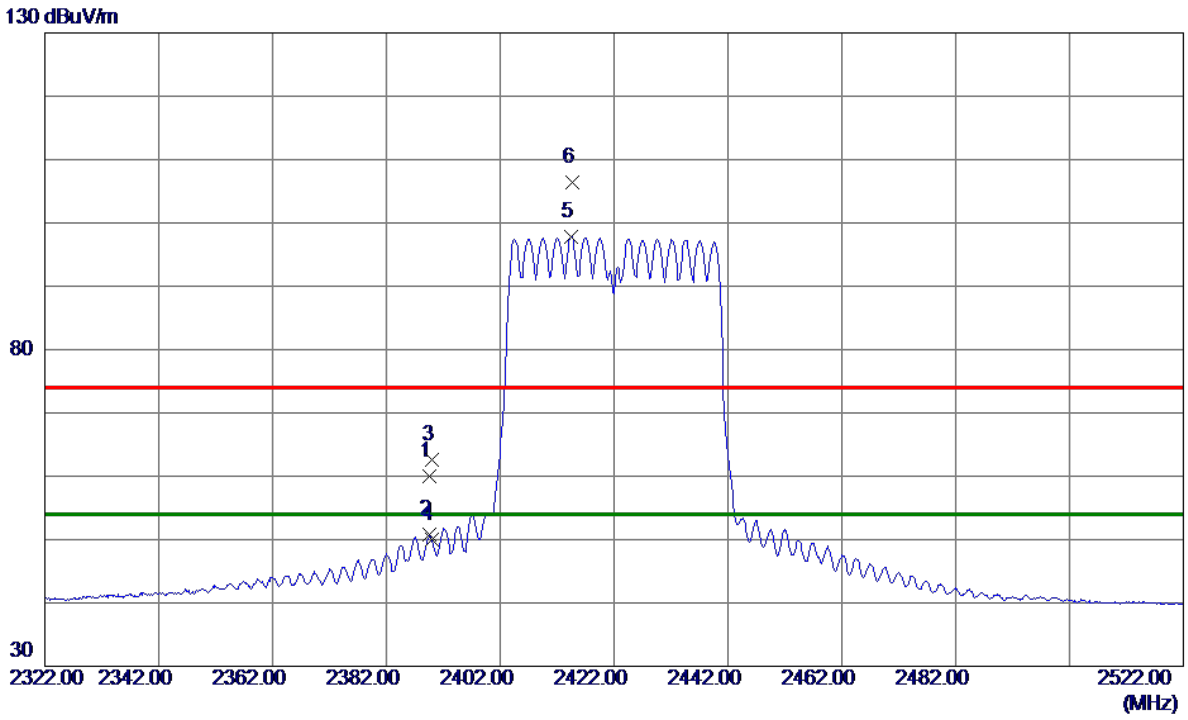
Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4923.6000	37.12	2.69	39.81	54.00	-14.19	AVG	
2	4923.7000	46.81	2.69	49.50	74.00	-24.50	Peak	

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

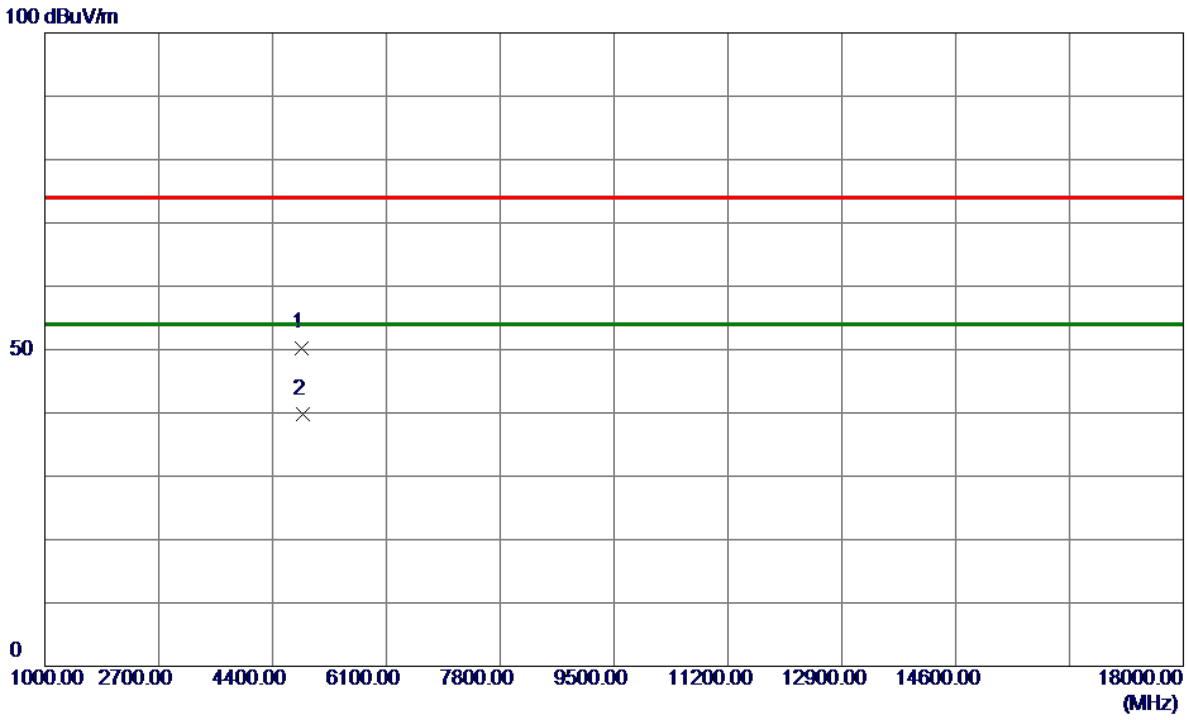
Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389.6000	53.90	6.17	60.07	74.00	-13.93	Peak	
2	2389.6000	44.60	6.17	50.77	54.00	-3.23	AVG	
3	2390.0000	56.42	6.17	62.59	74.00	-11.41	Peak	
4	2390.0000	43.84	6.17	50.01	54.00	-3.99	AVG	
5 *	2414.5000	91.63	6.18	97.81	54.00	43.81	AVG	No Limit
6	2414.6000	100.26	6.18	106.44	74.00	32.44	Peak	No Limit

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

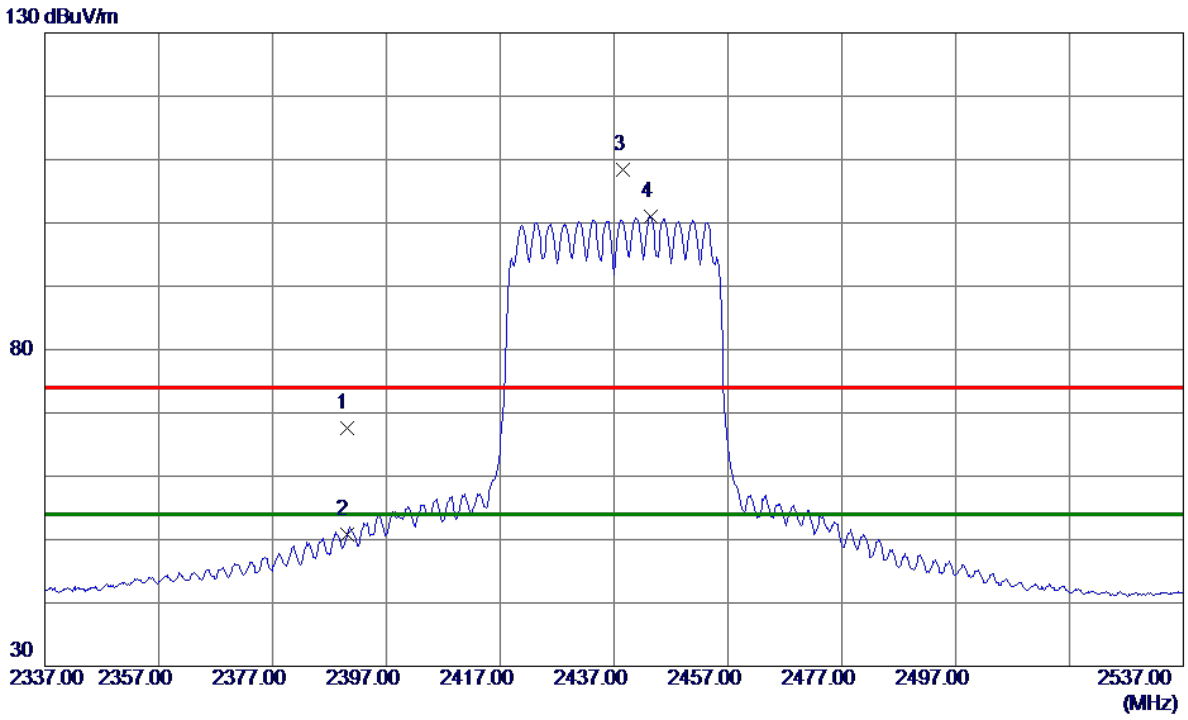
Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4842.9000	47.80	2.50	50.30	74.00	-23.70	Peak	
2 *	4844.3500	37.22	2.51	39.73	54.00	-14.27	AVG	

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

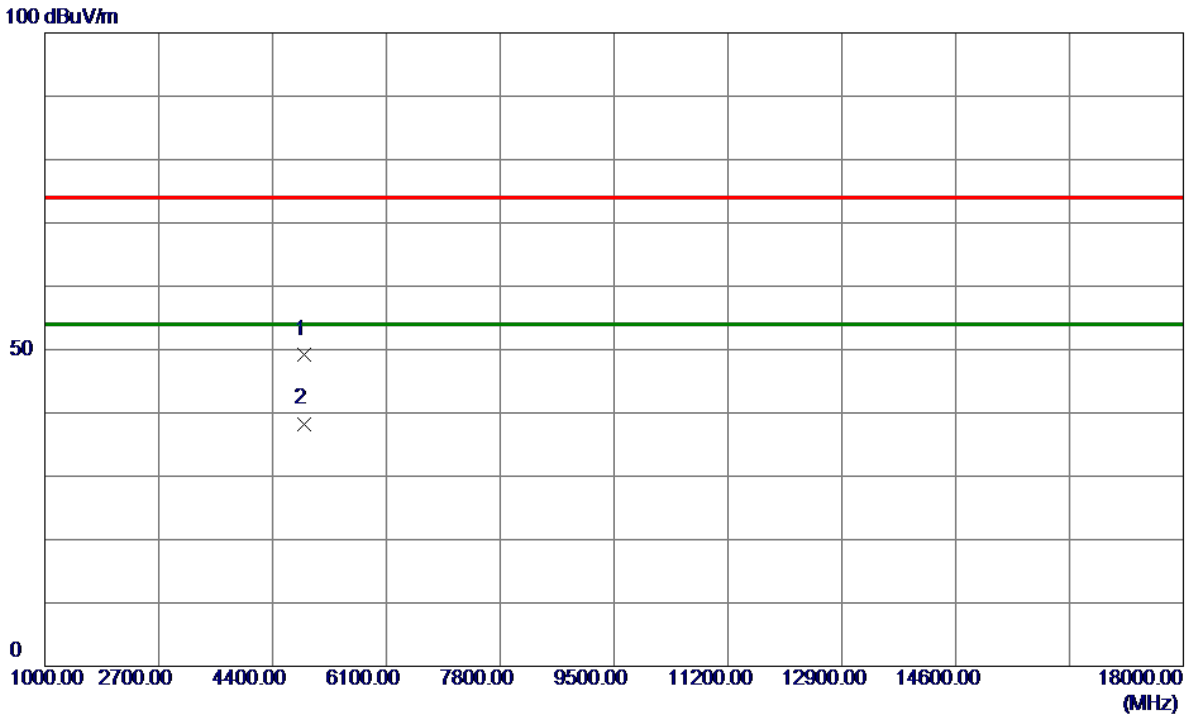
Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	61.36	6.17	67.53	74.00	-6.47	Peak	
2	2390.0000	44.67	6.17	50.84	54.00	-3.16	AVG	
3	2438.6000	102.13	6.20	108.33	74.00	34.33	Peak	No Limit
4 *	2443.4000	94.73	6.20	100.93	54.00	46.93	AVG	No Limit

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

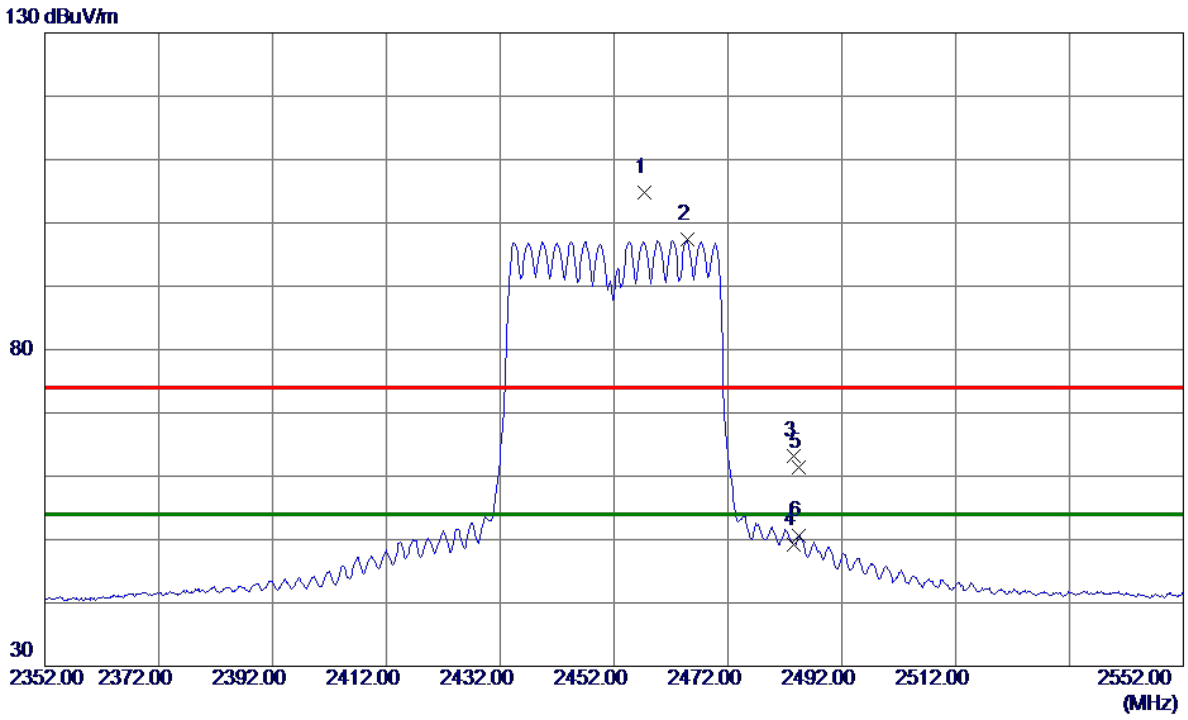
Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4872.5500	46.71	2.57	49.28	74.00	-24.72	Peak	
2 *	4873.4800	35.73	2.57	38.30	54.00	-15.70	AVG	

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

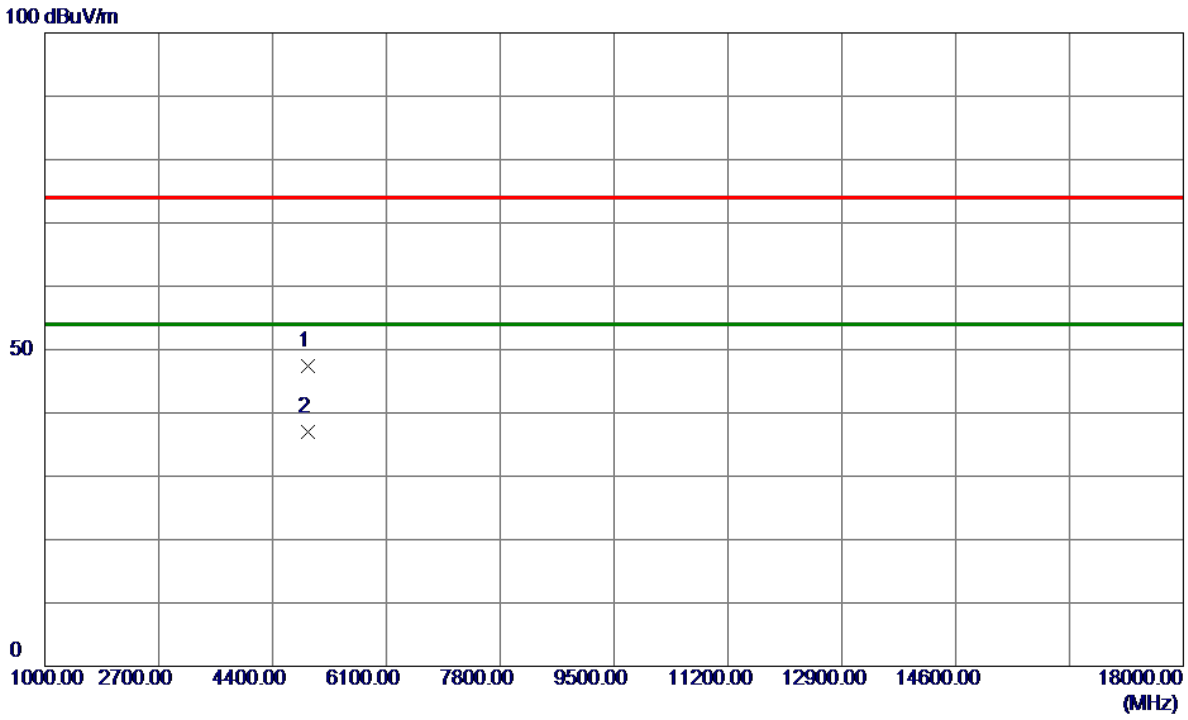
Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2457.4000	98.62	6.21	104.83	74.00	30.83	Peak	No Limit
2 *	2464.8000	91.10	6.22	97.32	54.00	43.32	AVG	No Limit
3	2483.5000	56.99	6.23	63.22	74.00	-10.78	Peak	
4	2483.5000	42.90	6.23	49.13	54.00	-4.87	AVG	
5	2484.5000	55.13	6.23	61.36	74.00	-12.64	Peak	
6	2484.5000	44.32	6.23	50.55	54.00	-3.45	AVG	

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

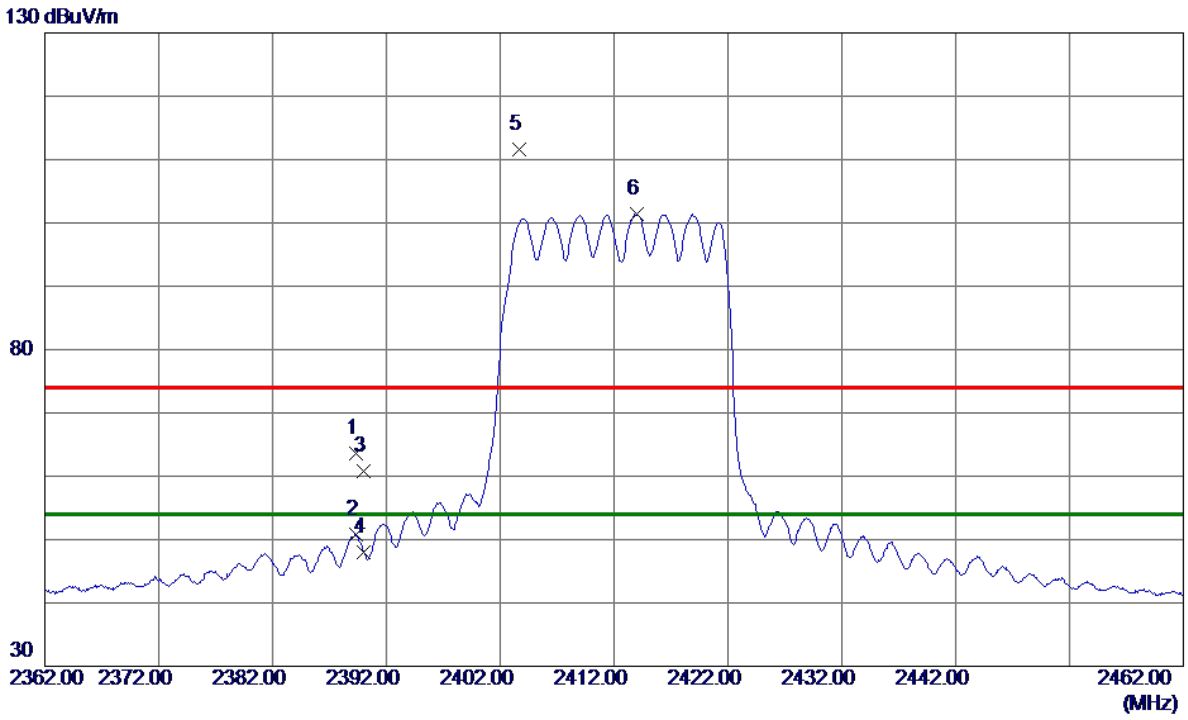
Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4920.6500	44.81	2.68	47.49	74.00	-26.51	Peak	
2 *	4923.4000	34.22	2.69	36.91	54.00	-17.09	AVG	

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

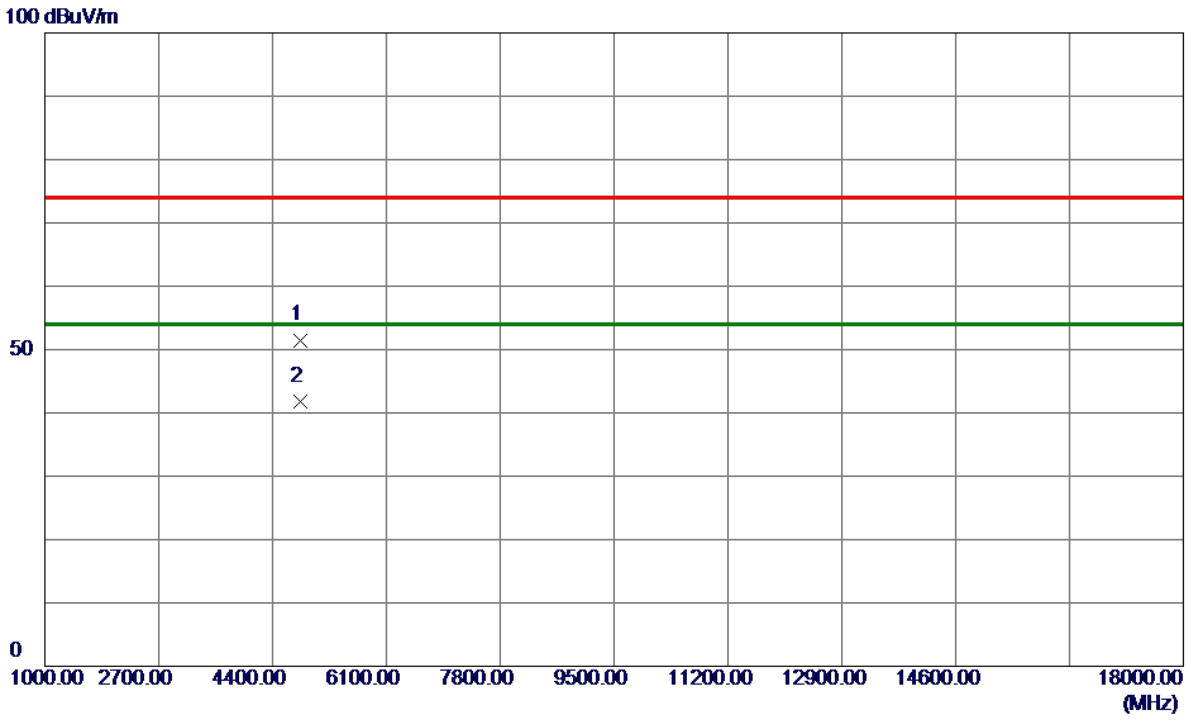
Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389.3000	57.35	6.17	63.52	74.00	-10.48	Peak	
2	2389.3000	44.71	6.17	50.88	54.00	-3.12	AVG	
3	2390.0000	54.54	6.17	60.71	74.00	-13.29	Peak	
4	2390.0000	41.90	6.17	48.07	54.00	-5.93	AVG	
5	2403.6500	105.46	6.18	111.64	74.00	37.64	Peak	No Limit
6 *	2414.0500	95.15	6.18	101.33	54.00	47.33	AVG	No Limit

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

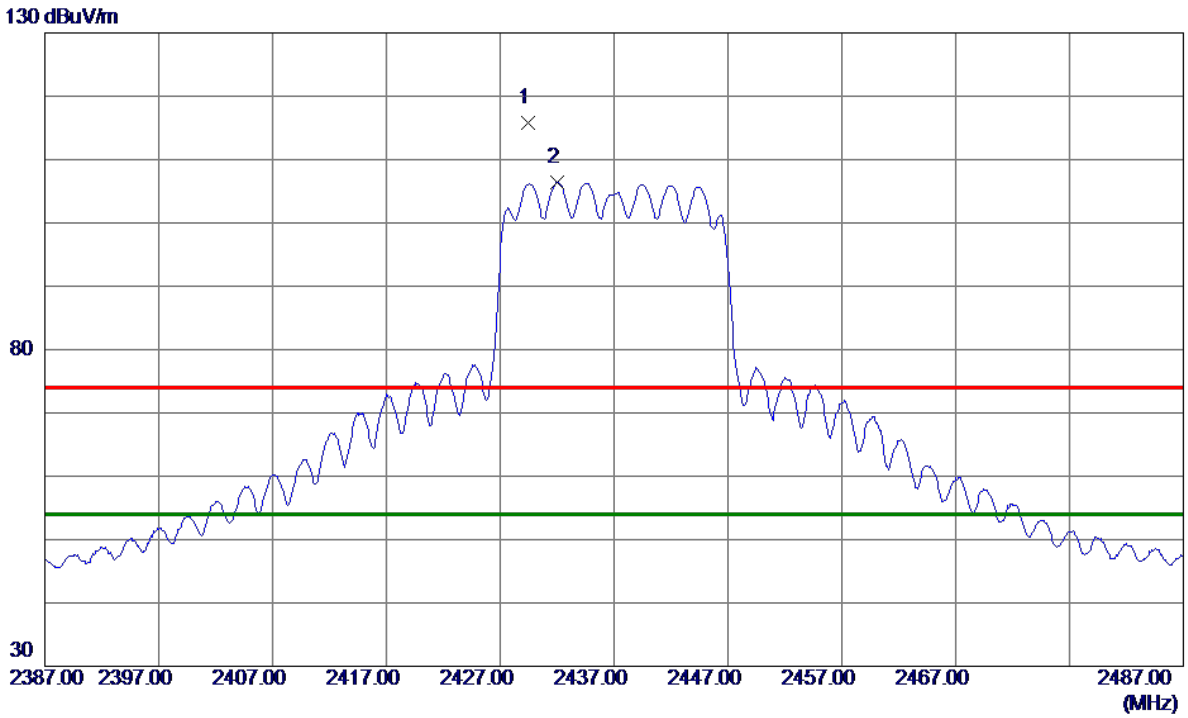
Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4822.8500	49.04	2.46	51.50	74.00	-22.50	Peak	
2 *	4824.1000	39.26	2.46	41.72	54.00	-12.28	AVG	

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

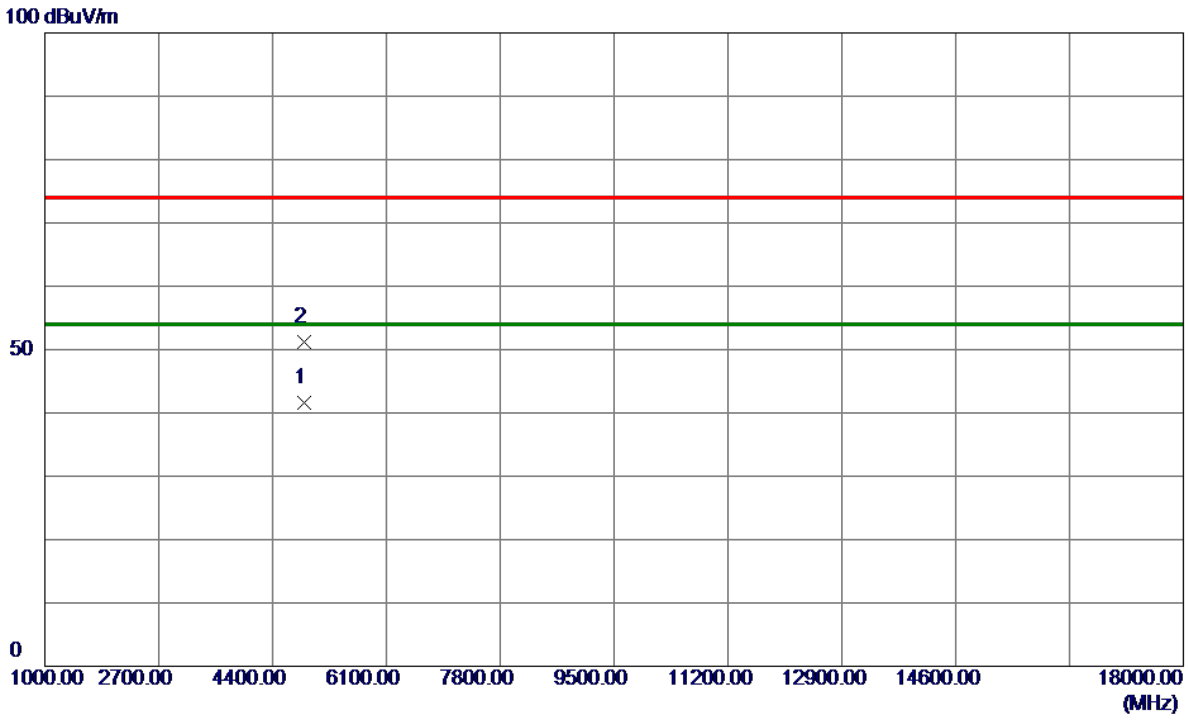
Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2429.4000	109.58	6.19	115.77	74.00	41.77	Peak	No Limit
2 *	2432.0500	100.19	6.20	106.39	54.00	52.39	AVG	No Limit

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

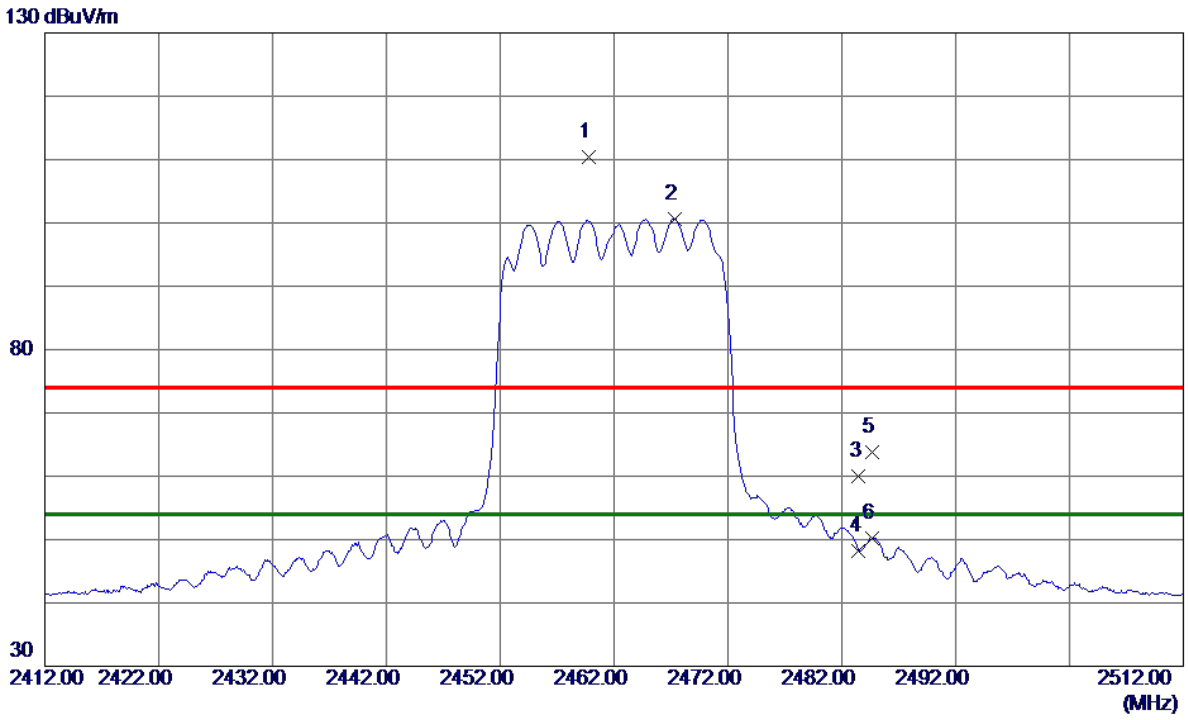
Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.8500	39.03	2.57	41.60	54.00	-12.40	AVG	
2	4874.8000	48.62	2.58	51.20	74.00	-22.80	Peak	

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

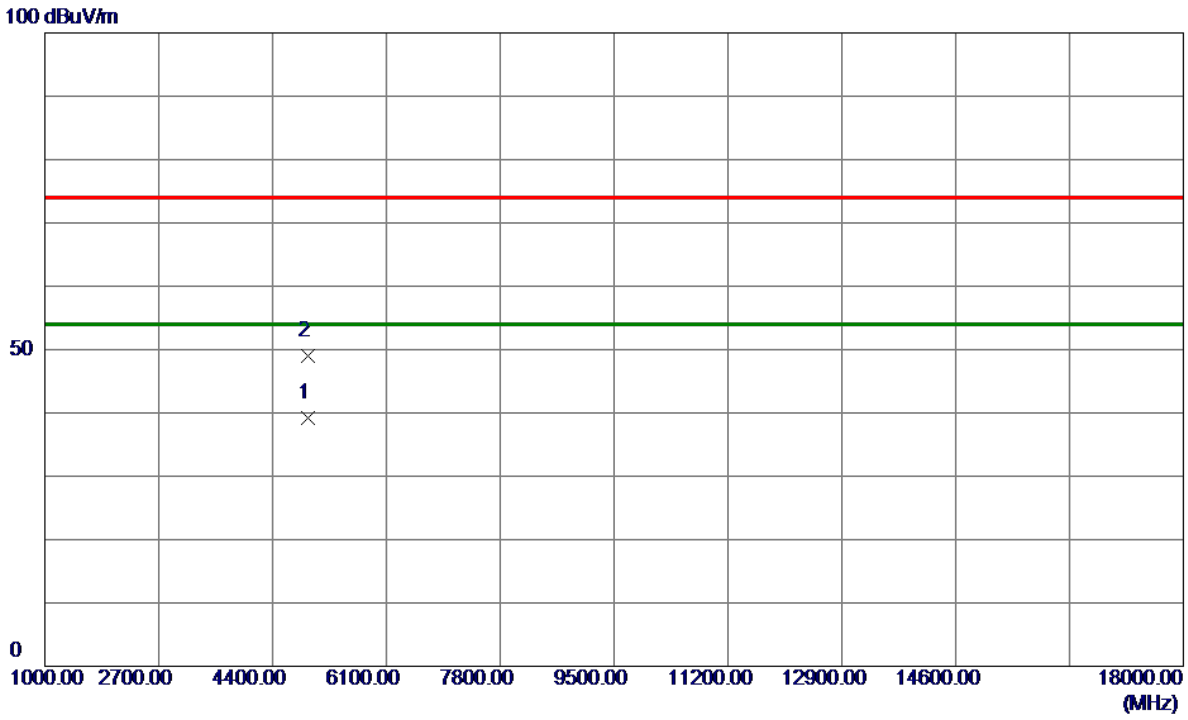
Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2459.8000	104.17	6.21	110.38	74.00	36.38	Peak	No Limit
2 *	2467.3500	94.42	6.22	100.64	54.00	46.64	AVG	No Limit
3	2483.5000	53.81	6.23	60.04	74.00	-13.96	Peak	
4	2483.5000	42.05	6.23	48.28	54.00	-5.72	AVG	
5	2484.6500	57.61	6.23	63.84	74.00	-10.16	Peak	
6	2484.6500	44.03	6.23	50.26	54.00	-3.74	AVG	

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

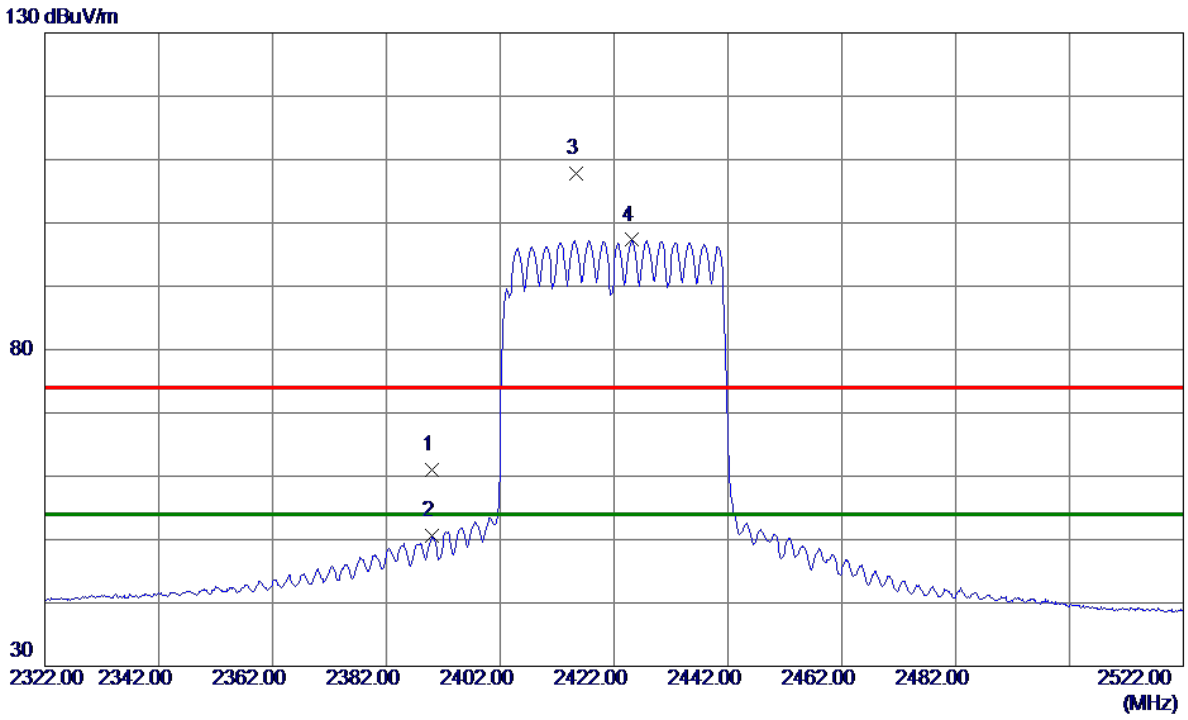
Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4923.7500	36.58	2.69	39.27	54.00	-14.73	AVG	
2	4927.4000	46.26	2.70	48.96	74.00	-25.04	Peak	

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

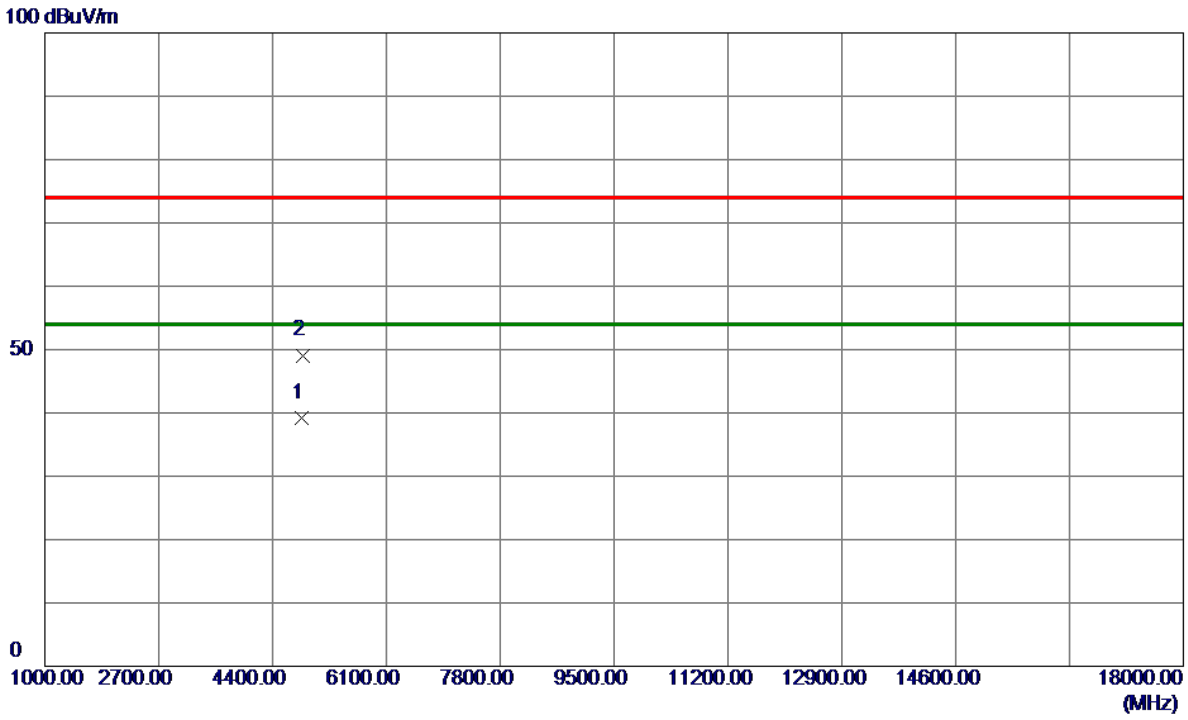
Test Mode	TX AX(HE40) Mode 2422 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	54.75	6.17	60.92	74.00	-13.08	Peak	
2	2390.0000	44.39	6.17	50.56	54.00	-3.44	AVG	
3	2415.3000	101.55	6.18	107.73	74.00	33.73	Peak	No Limit
4 *	2425.2000	91.11	6.19	97.30	54.00	43.30	AVG	No Limit

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

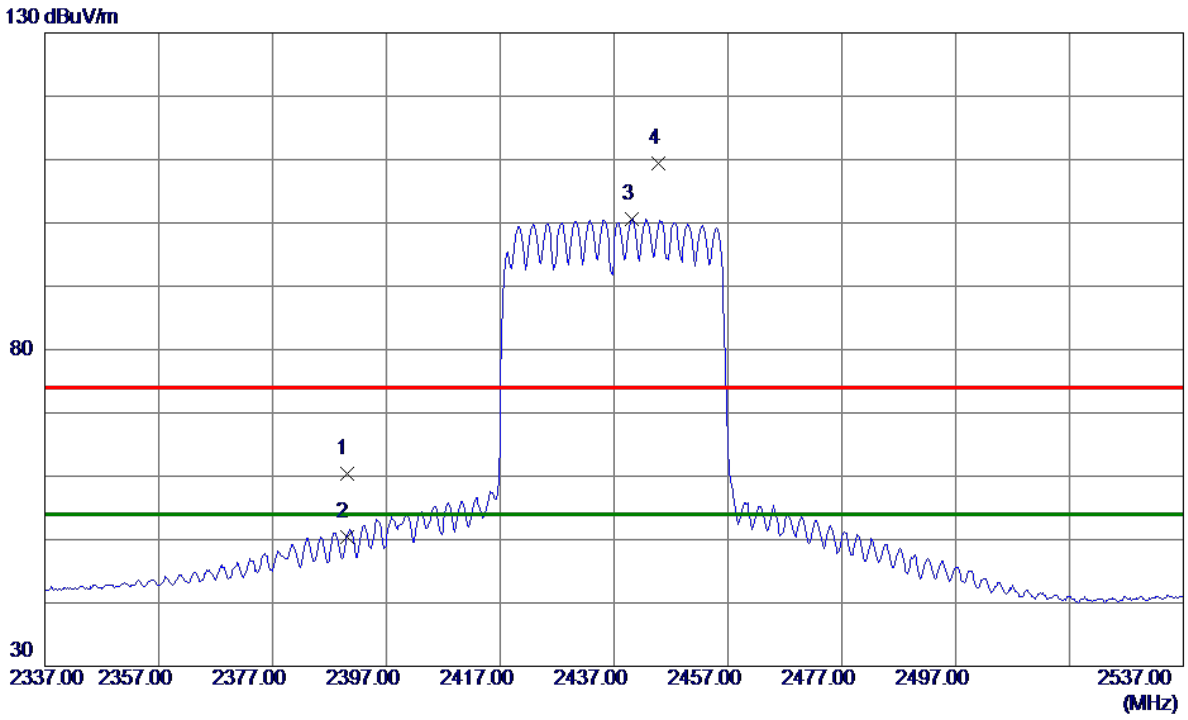
Test Mode	TX AX(HE40) Mode 2422 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4843.8000	36.74	2.50	39.24	54.00	-14.76	AVG	
2	4845.6000	46.59	2.51	49.10	74.00	-24.90	Peak	

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

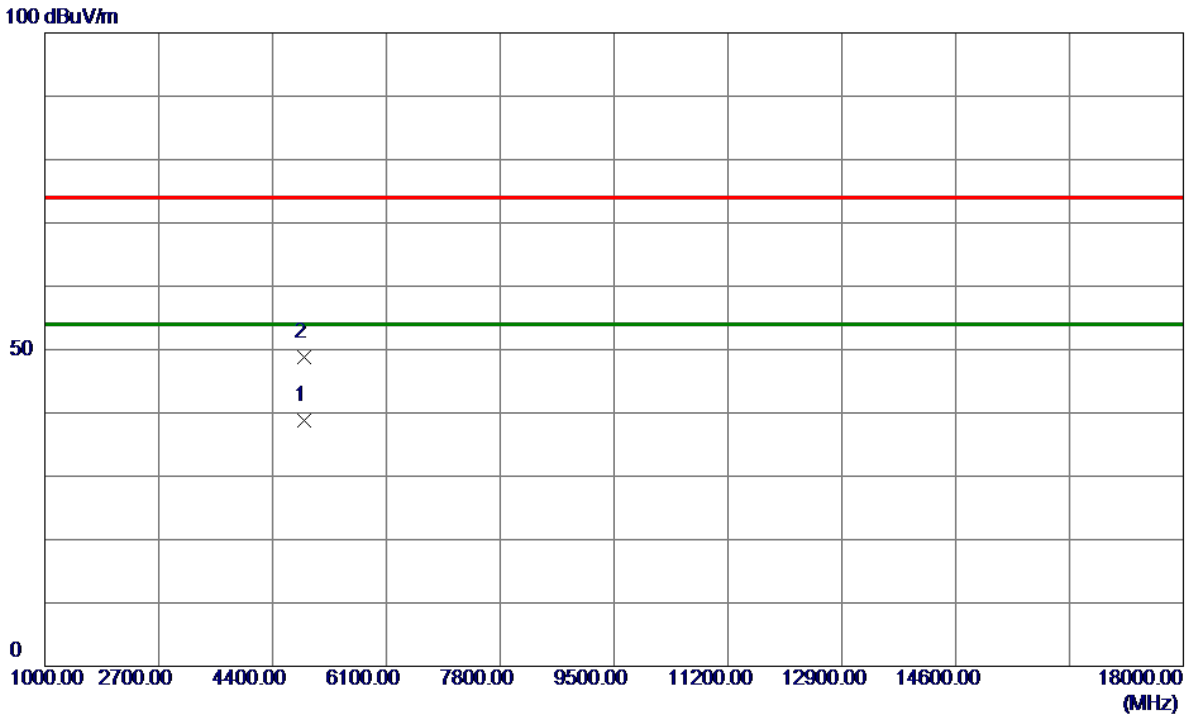
Test Mode	TX AX(HE40) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	54.20	6.17	60.37	74.00	-13.63	Peak	
2	2390.0000	44.31	6.17	50.48	54.00	-3.52	AVG	
3 *	2440.1000	94.46	6.20	100.66	54.00	46.66	AVG	No Limit
4	2444.8000	103.25	6.20	109.45	74.00	35.45	Peak	No Limit

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

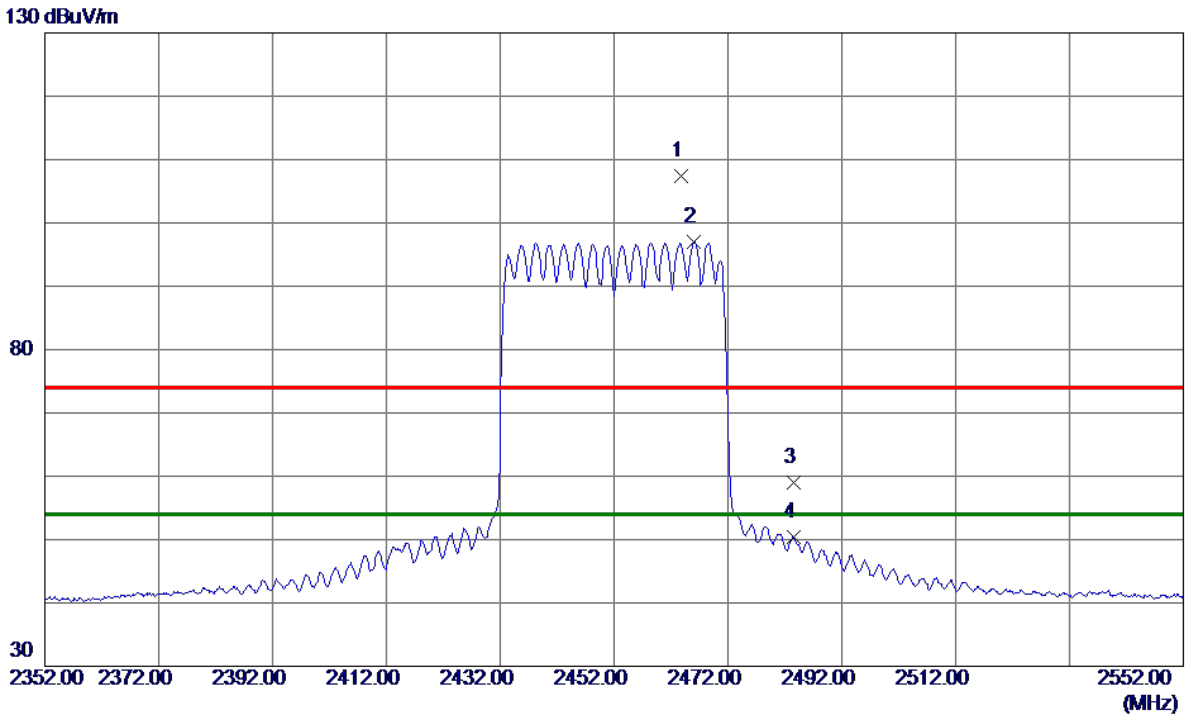
Test Mode	TX AX(HE40) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873.6500	36.21	2.57	38.78	54.00	-15.22	AVG	
2	4875.2000	46.17	2.58	48.75	74.00	-25.25	Peak	

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

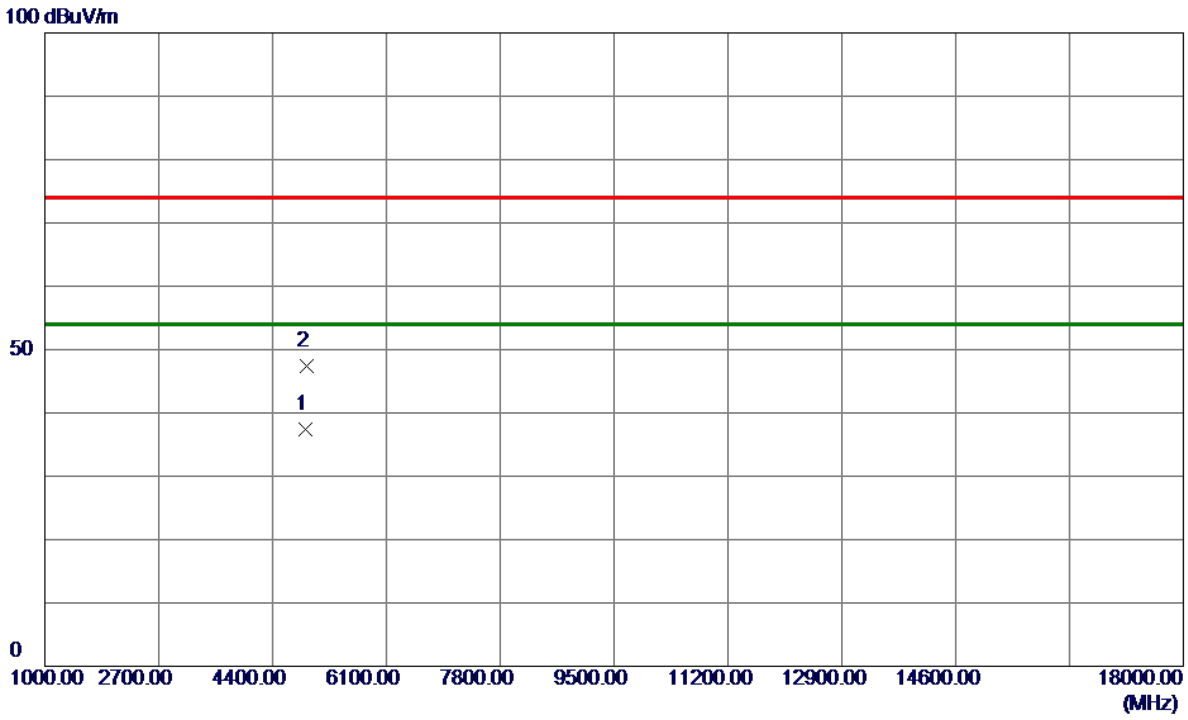
Test Mode	TX AX(HE40) Mode 2452 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2463.8000	101.13	6.22	107.35	74.00	33.35	Peak	No Limit
2 *	2466.1000	90.76	6.22	96.98	54.00	42.98	AVG	No Limit
3	2483.5000	52.84	6.23	59.07	74.00	-14.93	Peak	
4	2483.5000	44.18	6.23	50.41	54.00	-3.59	AVG	

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

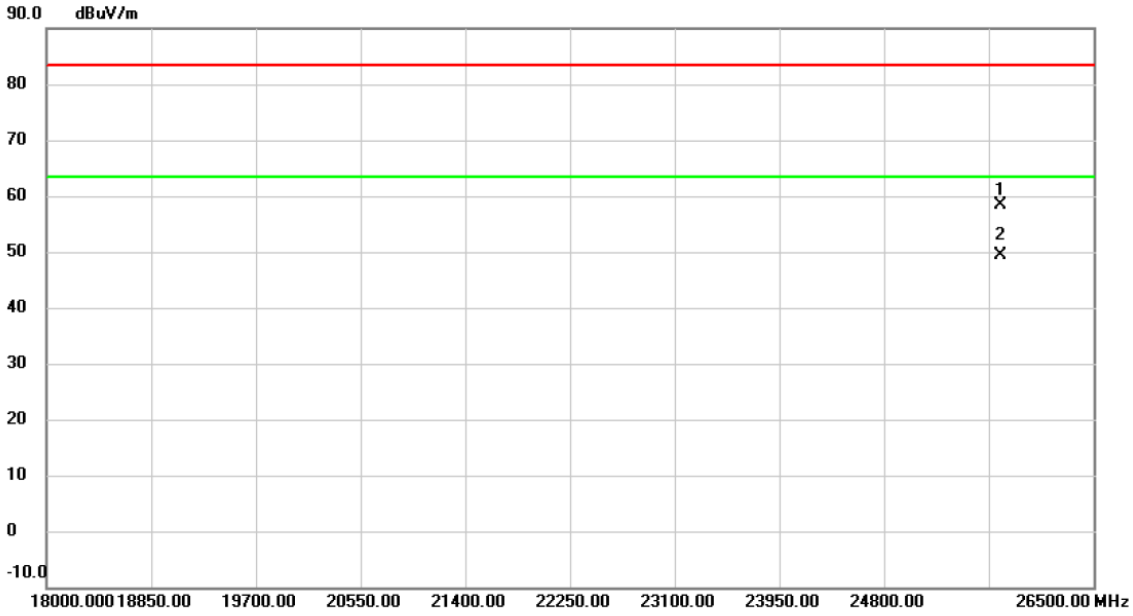
Test Mode	TX AX(HE40) Mode 2452 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4897.7000	34.78	2.63	37.41	54.00	-16.59	AVG	
2	4902.7500	44.72	2.64	47.36	74.00	-26.64	Peak	

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

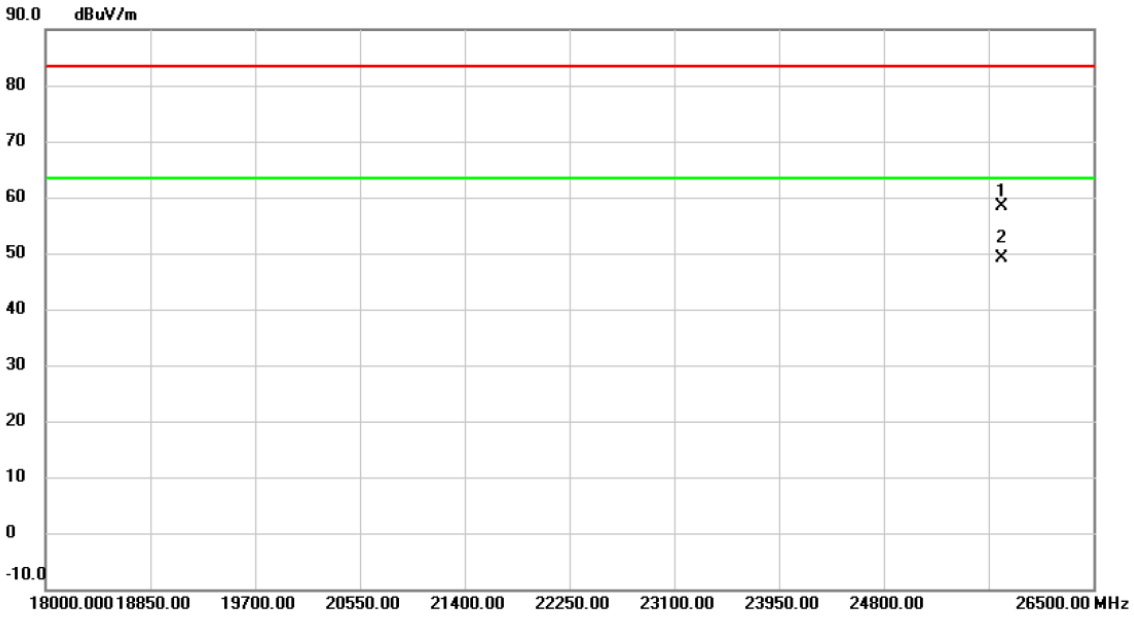
Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		25747.750	48.41	10.06	58.47	83.50	-25.03	peak	
2	*	25747.750	39.26	10.06	49.32	63.50	-14.18	AVG	

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

Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		25756.250	48.19	10.07	58.26	83.50	-25.24	peak	
2	*	25756.250	39.10	10.07	49.17	63.50	-14.33	AVG	

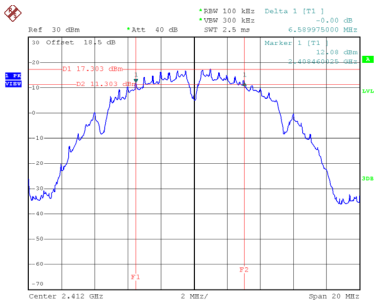
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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	6.590	10.480	0.5	Complies
06	2437	7.100	10.480	0.5	Complies
11	2462	7.070	10.480	0.5	Complies

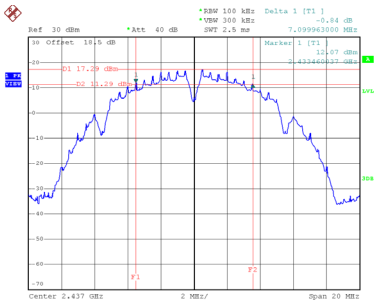
CH01



Date: 8.JAN.2024 17:31:36

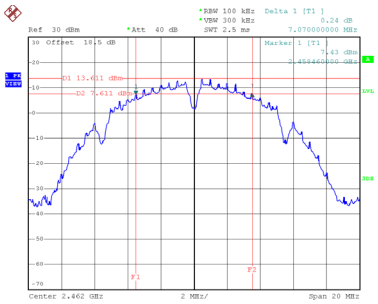
CH06

6 dB Bandwidth

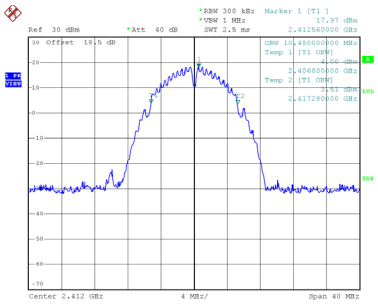


Date: 8.JAN.2024 17:35:11

CH11

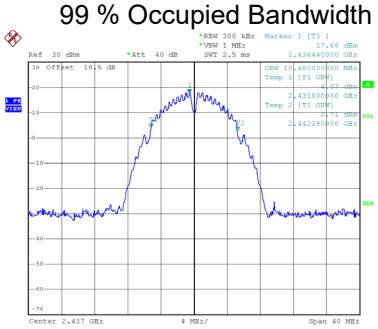


Date: 8.JAN.2024 18:04:39

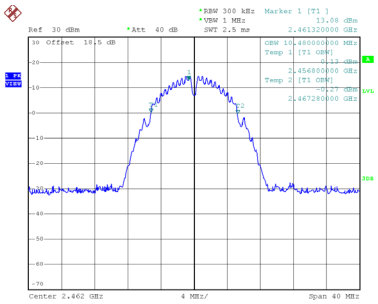


Date: 8.JAN.2024 17:31:44

99 % Occupied Bandwidth



Date: 8.JAN.2024 17:35:19

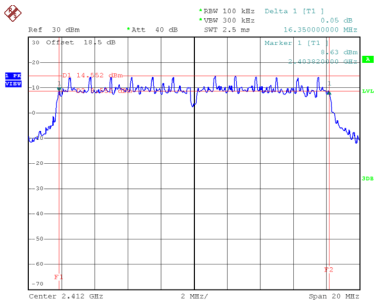


Date: 8.JAN.2024 18:04:47

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	16.350	17.360	0.5	Complies
06	2437	16.380	17.120	0.5	Complies
11	2462	16.400	17.120	0.5	Complies

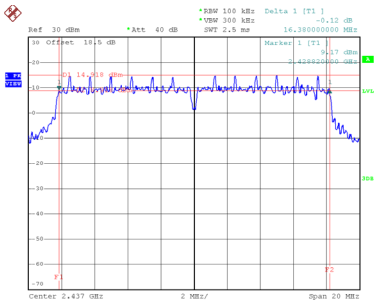
CH01



Date: 8.JAN.2024 18:27:10

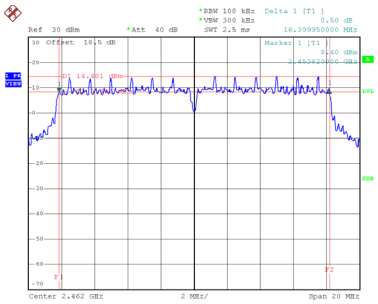
CH06

6 dB Bandwidth

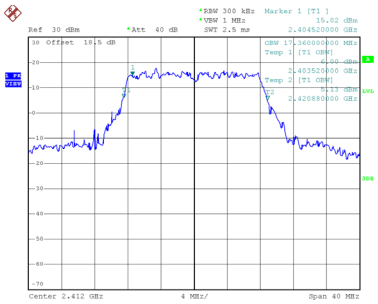


Date: 8.JAN.2024 18:32:15

CH11

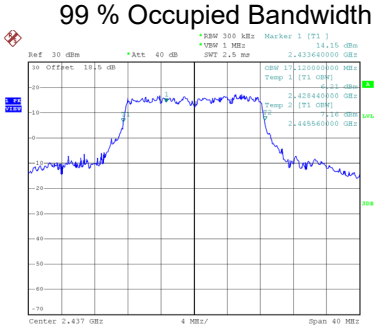


Date: 8.JAN.2024 18:34:02

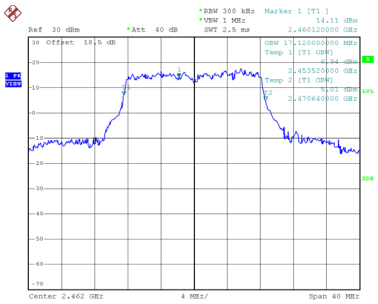


Date: 8.JAN.2024 18:27:17

99 % Occupied Bandwidth



Date: 8.JAN.2024 18:32:23

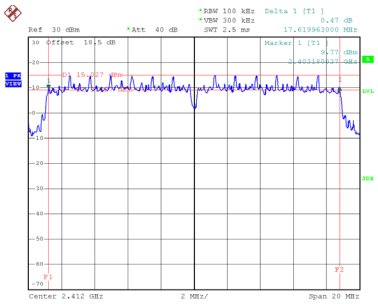


Date: 8.JAN.2024 18:34:10

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	17.620	18.480	0.5	Complies
06	2437	17.680	18.400	0.5	Complies
11	2462	17.640	18.240	0.5	Complies

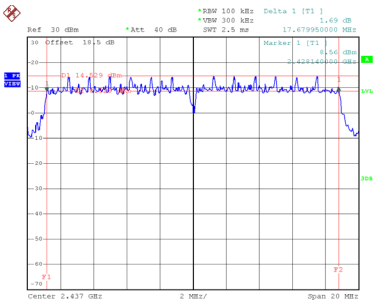
CH01



Date: 8.JAN.2024 18:40:24

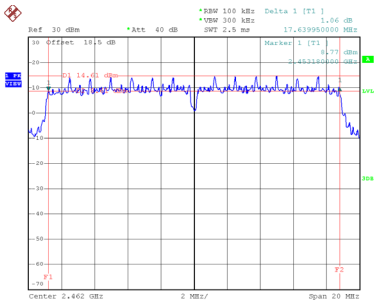
CH06

6 dB Bandwidth

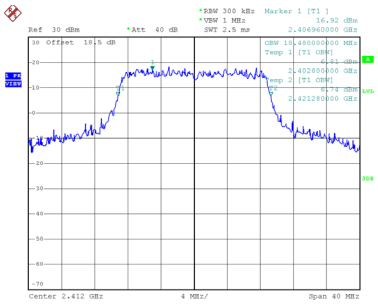


Date: 8.JAN.2024 18:42:45

CH11

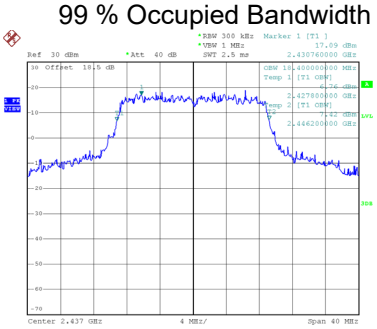


Date: 8.JAN.2024 18:44:12

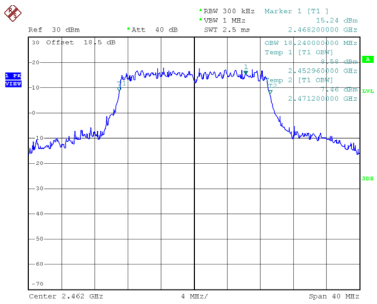


Date: 8.JAN.2024 18:40:32

99 % Occupied Bandwidth



Date: 8.JAN.2024 18:42:53

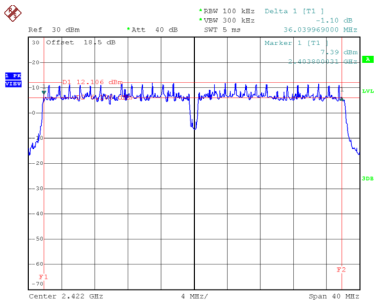


Date: 8.JAN.2024 18:44:20

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	36.040	37.440	0.5	Complies
06	2437	36.150	37.440	0.5	Complies
09	2452	36.090	37.280	0.5	Complies

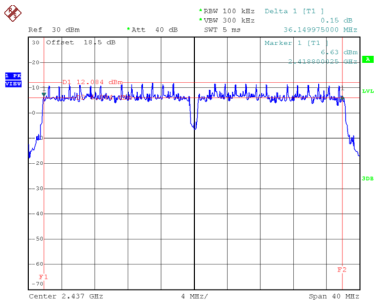
CH03



Date: 8.JAN.2024 18:46:41

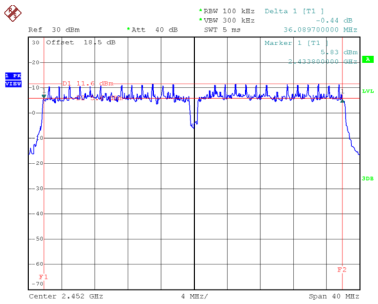
CH06

6 dB Bandwidth



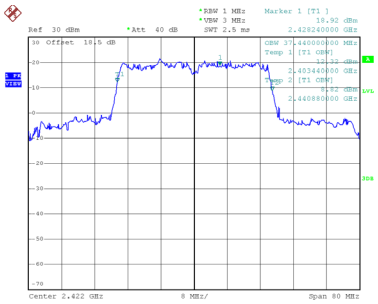
Date: 8.JAN.2024 18:48:20

CH09

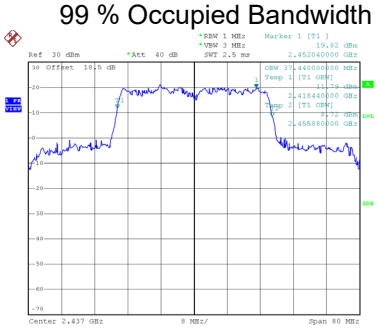


Date: 8.JAN.2024 18:51:10

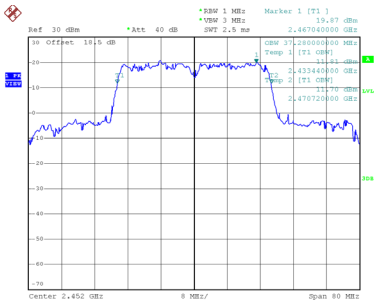
99 % Occupied Bandwidth



Date: 8.JAN.2024 18:46:49



Date: 8.JAN.2024 18:48:27

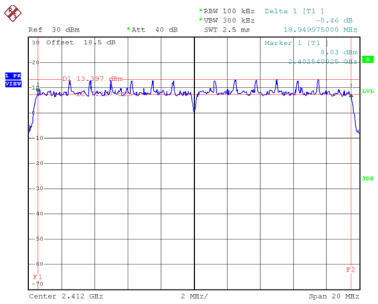


Date: 8.JAN.2024 18:51:18

Test Mode	TX AX(HE20) Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	18.950	19.280	0.5	Complies
06	2437	18.849	19.360	0.5	Complies
11	2462	18.980	19.440	0.5	Complies

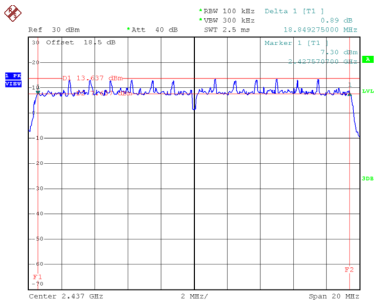
CH01



Date: 8.JAN.2024 18:57:31

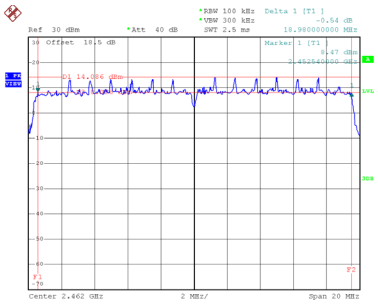
CH06

6 dB Bandwidth

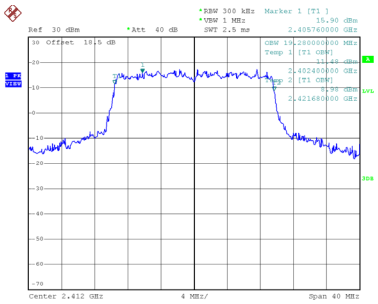


Date: 8.JAN.2024 18:59:17

CH11

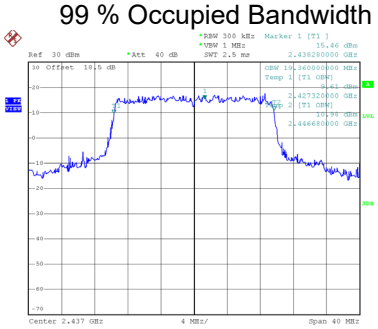


Date: 8.JAN.2024 19:01:07

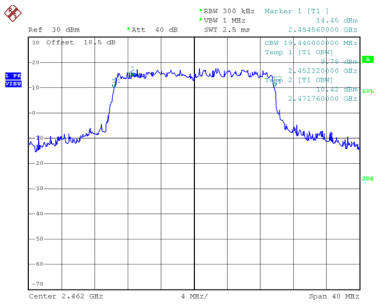


Date: 8.JAN.2024 18:57:39

99 % Occupied Bandwidth



Date: 8.JAN.2024 18:59:25



Date: 8.JAN.2024 19:01:15

Test Mode	TX AX(HE40) Mode

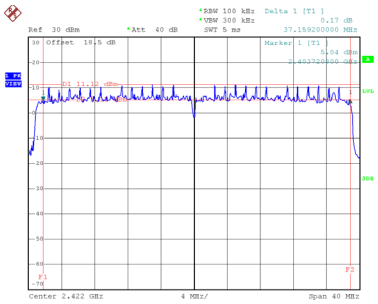
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	37.159	38.400	0.5	Complies
06	2437	37.280	38.560	0.5	Complies
09	2452	37.360	38.560	0.5	Complies

CH03

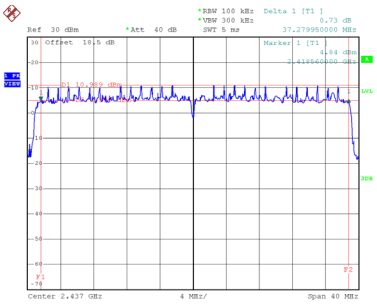
CH06

CH09

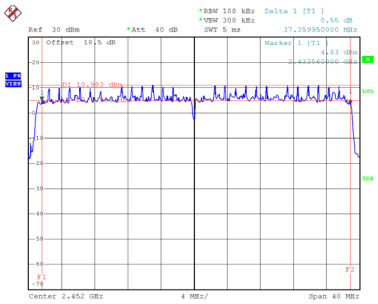
6 dB Bandwidth



Date: 8.JAN.2024 19:03:18

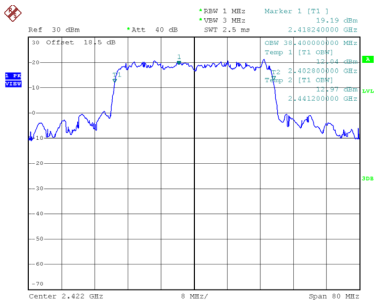


Date: 8.JAN.2024 19:04:48

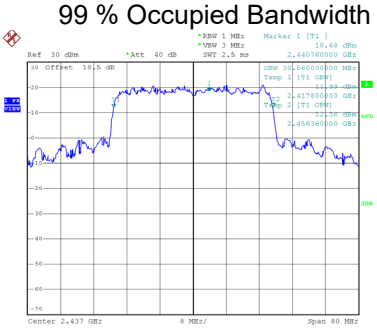


Date: 8.JAN.2024 19:07:16

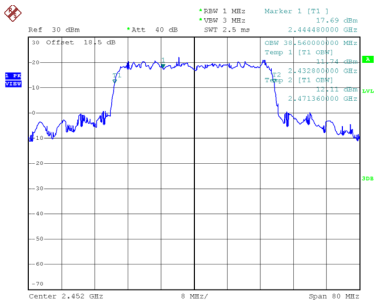
99 % Occupied Bandwidth



Date: 8.JAN.2024 19:03:26



Date: 8.JAN.2024 19:04:56



Date: 8.JAN.2024 19:07:24

APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	TX B Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	24.22	0.32	24.54	30.00	1.0000	Complies
06	2437	24.11	0.32	24.43	30.00	1.0000	Complies
11	2462	23.94	0.32	24.26	30.00	1.0000	Complies

Test Mode	TX B Mode_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.58	0.32	20.90	30.00	1.0000	Complies
06	2437	20.74	0.32	21.06	30.00	1.0000	Complies
11	2462	20.18	0.32	20.50	30.00	1.0000	Complies

Test Mode	TX B Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	26.10	30.00	1.0000	Complies
06	2437	26.08	30.00	1.0000	Complies
11	2462	25.79	30.00	1.0000	Complies

Test Mode	TX G Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	21.32	2.69	24.01	30.00	1.0000	Complies
06	2437	21.12	2.69	23.81	30.00	1.0000	Complies
11	2462	20.81	2.69	23.50	30.00	1.0000	Complies

Test Mode	TX G Mode_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	22.26	2.69	24.95	30.00	1.0000	Complies
06	2437	22.08	2.69	24.77	30.00	1.0000	Complies
11	2462	21.29	2.69	23.98	30.00	1.0000	Complies

Test Mode	TX G Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	27.52	30.00	1.0000	Complies
06	2437	27.33	30.00	1.0000	Complies
11	2462	26.76	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	21.29	2.28	23.57	30.00	1.0000	Complies
06	2437	21.14	2.28	23.42	30.00	1.0000	Complies
11	2462	20.30	2.28	22.58	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	21.23	2.28	23.51	30.00	1.0000	Complies
06	2437	21.02	2.28	23.30	30.00	1.0000	Complies
11	2462	20.86	2.28	23.14	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	25.56	30.00	1.0000	Complies
06	2437	26.38	30.00	1.0000	Complies
11	2462	25.88	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.66	2.59	22.25	30.00	1.0000	Complies
06	2437	20.76	2.59	23.35	30.00	1.0000	Complies
09	2452	19.68	2.59	22.27	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.61	2.59	22.20	30.00	1.0000	Complies
06	2437	21.04	2.59	23.63	30.00	1.0000	Complies
09	2452	19.84	2.59	22.43	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	25.24	30.00	1.0000	Complies
06	2437	26.51	30.00	1.0000	Complies
09	2452	25.36	30.00	1.0000	Complies

Test Mode	TX AX(HE20) Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.55	0.41	20.96	30.00	1.0000	Complies
06	2437	24.46	0.41	24.87	30.00	1.0000	Complies
11	2462	19.81	0.41	20.22	30.00	1.0000	Complies

Test Mode	TX AX(HE20) Mode_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	21.13	0.41	21.54	30.00	1.0000	Complies
06	2437	24.39	0.41	24.80	30.00	1.0000	Complies
11	2462	20.44	0.41	20.85	30.00	1.0000	Complies

Test Mode	TX AX(HE20) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	24.27	30.00	1.0000	Complies
06	2437	27.84	30.00	1.0000	Complies
11	2462	23.56	30.00	1.0000	Complies

Test Mode	TX AX(HE40) Mode_Ant. 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.84	0.17	20.01	30.00	1.0000	Complies
06	2437	21.38	0.17	21.55	30.00	1.0000	Complies
09	2452	20.46	0.17	20.63	30.00	1.0000	Complies

Test Mode	TX AX(HE40) Mode_Ant. 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.91	0.17	20.08	30.00	1.0000	Complies
06	2437	21.57	0.17	21.74	30.00	1.0000	Complies
09	2452	20.67	0.17	20.84	30.00	1.0000	Complies

Test Mode	TX AX(HE40) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	23.06	30.00	1.0000	Complies
06	2437	24.66	30.00	1.0000	Complies
09	2452	23.75	30.00	1.0000	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS