Certificate #7130.01

FCC Radio Test Report

FCC ID: 2AFENWK08K

This report concerns: Original Grant

Project No.	:	2502C023
Equipment	:	Projector
Brand Name	:	XGIMI
Test Model	:	WK08K
Series Model	:	N/A
Applicant	:	XGIMI Technology Co., Ltd.
Address	:	Building No.4, Zone A, No.1129, Shijicheng Road, High-tech Zone, Pilot Free Trade,Chengdu Sichua,China
Manufacturer	:	XGIMI Technology Co., Ltd.
Address	:	No. 4, Zone A, No. 1129, Shijicheng Road, Chengdu Hi-tech Zone, Sichuan Pilot Free Trade Zone, 610041 China
Factory 1	:	Yibin XGIMI Optoelectronic Co., Ltd.
Address	:	No. 2, West Section 4, Changjiang North Road, Lingang Economic Development Zone, Yibin City, Sichuan P.R. China
Factory 2	:	XGIMI VIETNAM TECHNOLOGY COMPANY LIMITED
Address	:	Lot CN 4-1， My Thuan Industria l Zone,y Thuan Commune,Nam Dinh City, Nam Dinh Province, Vietnam
Date of Receipt	:	Feb. 17, 2025
Date of Test	:	Feb. 19, 2025 ~ Mar. 27, 2025
Issued Date	:	May 30, 2025
Report Version	:	R01
Test Sample	:	Engineering Sample No.: SSL20250217382 for output, DG2025022585 for other conducted, SSL20250217383 for AC power line conducted emissions and radiated emission.
Standard(s)	:	FCC CFR Title 47, Part 15, Subpart C

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

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Declaration

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

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

The report must not be used by the client to claim product certification, approval, or endorsement by A2LA or any agency of the U.S. Government.

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

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

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

Limitation

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

Table of Contents Page

REPORT ISSUED HISTORY 6

1 . APPLICABLE STANDARDS 7

2 . SUMMARY OF TEST RESULTS 7

2.1 TEST FACILITY 8

2.2 MEASUREMENT UNCERTAINTY 8

2.3 TEST ENVIRONMENT CONDITIONS 9

3 . GENERAL INFORMATION 10

3.1 GENERAL DESCRIPTION OF EUT 10

3.2 DESCRIPTION OF TEST MODES 12

3.3 PARAMETERS OF TEST SOFTWARE 13

3.4 DUTY CYCLE 14

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED 16

3.6 SUPPORT UNITS 17

3.7 CUSTOMER INFORMATION DESCRIPTION 17

4 . AC POWER LINE CONDUCTED EMISSIONS 18

4.1 LIMIT 18

4.2 TEST PROCEDURE 18

4.3 DEVIATION FROM TEST STANDARD 18

4.4 TEST SETUP 19

4.5 EUT OPERATION CONDITIONS 19

4.6 TEST RESULTS 19

5 . RADIATED EMISSIONS 20

5.1 LIMIT 20

5.2 TEST PROCEDURE 21

5.3 DEVIATION FROM TEST STANDARD 22

5.4 TEST SETUP 22

5.5 EUT OPERATION CONDITIONS 24

5.6 TEST RESULTS - 9 KHZ TO 30 MHZ 24

5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ 24

5.8 TEST RESULTS - ABOVE 1000 MHZ 24

6 . BANDWIDTH 25

6.1 LIMIT 25

6.2 TEST PROCEDURE 25

Table of Contents Page

6.3 DEVIATION FROM STANDARD 25
6.4 TEST SETUP 25
6.5 EUT OPERATION CONDITIONS 25
6.6 TEST RESULTS 25
7 . MAXIMUM OUTPUT POWER 26
7.1 LIMIT 26
7.2 TEST PROCEDURE 26
7.3 DEVIATION FROM STANDARD 26
7.4 TEST SETUP 26
7.5 EUT OPERATION CONDITIONS 26
7.6 TEST RESULTS 26
8 . CONDUCTED SPURIOUS EMISSIONS 27
8.1 LIMIT 27
8.2 TEST PROCEDURE 27
8.3 DEVIATION FROM STANDARD 27
8.4 TEST SETUP 27
8.5 EUT OPERATION CONDITIONS 27
8.6 TEST RESULTS 27
9 . POWER SPECTRAL DENSITY 28
9.1 LIMIT 28
9.2 TEST PROCEDURE 28
9.3 DEVIATION FROM STANDARD 28
9.4 TEST SETUP 28
9.5 EUT OPERATION CONDITIONS 28
9.6 TEST RESULTS 28
10 . MEASUREMENT INSTRUMENTS LIST 29
11 . EUT TEST PHOTO 31
APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS 37
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ 40
APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ 45
APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ 48
APPENDIX E - BANDWIDTH 75
APPENDIX F - MAXIMUM OUTPUT POWER 80

Table of Contents Page

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS **85**

APPENDIX H - POWER SPECTRAL DENSITY **94**

REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-3-2502C023	R00	Original Report.	Apr. 14, 2025	Invalid
BTL-FCCP-3-2502C023	R01	Only updated the applicant information and removed the series models.	May 30, 2025	Valid

1. APPLICABLE STANDARDS

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

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart C				
Standard(s) Section	**Test Item**	**Test Result**	**Judgment**	**Remark**
15.207	AC Power Line Conducted Emissions	APPENDIX A	PASS	------
15.247(d) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	------
15.247(a)(2)	Bandwidth	APPENDIX E	PASS	------
15.247(b)(3)	Maximum Output Power	APPENDIX F	PASS	------
15.247(d)	Conducted Spurious Emissions	APPENDIX G	PASS	------
15.247(e)	Power Spectral Density	APPENDIX H	PASS	------
15.203	Antenna Requirement	------	PASS	**Note(2)**

Note:
(1) “N/A” denotes test is not applicable in this test report.
(2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report:
1# For Radiated Emissions-Above 30 MHz test items:
Room 102 & 702, Building A3, No.9, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

2# For other test items:
No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.
BTL's Registration Number for FCC: 747969
BTL's Designation Number for FCC: CN1377

2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95.45% confidence level (based on a coverage factor (k=2))
The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	*U*,(dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.88

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	*U*,(dB)
DG-CB01	CISPR	9kHz ~ 30MHz	2.36

Test Site	Method	Measurement Frequency Range	Ant. H / V	*U*,(dB)
DG-CB17 (3m)	CISPR	30MHz ~ 200MHz	V	4.22
		30MHz ~ 200MHz	H	3.46
		200MHz ~ 1,000MHz	V	5.02
		200MHz ~ 1,000MHz	H	4.22

Test Site	Method	Measurement Frequency Range	*U*,(dB)
DG-CB18 (3m)	CISPR	1GHz ~ 6GHz	4.48
		6GHz ~ 18GHz	3.88

Test Site	Method	Measurement Frequency Range	*U*,(dB)
DG-CB17 (1m)	CISPR	18 ~ 26.5 GHz	3.56

C. Other Measurement:

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

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

2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By	Test Date
AC Power Line Conducted Emissions	22°C	50%	AC 120V/60Hz	Hayden Chen	Feb. 28, 2025
Radiated Emissions-9 kHz to 30 MHz	22°C	46%	AC 120V/60Hz	Hayden Chen	Mar. 06, 2025
Radiated Emissions-30 MHz to 1000 MHz	25°C	46%	AC 120V/60Hz	AC 120V/60Hz	Calvin Wen
Radiated Emissions-Above 1000 MHz	25°C	50%	AC 120V/60Hz	Drew Tan	Mar. 05, 2025
	24°C	48%	AC 120V/60Hz	Calvin Wen	Mar. 06, 2025
Bandwidth	25°C	51%	AC 120V/60Hz	Steve Zhou	Mar. 19, 2025
Maximum Output Power	23-25°C	54-57%	AC 120V/60Hz	Andrew Jiang	Feb. 24, 2025~ Mar. 21, 2025
Conducted Spurious Emission	25°C	51%	AC 120V/60Hz	Steve Zhou	Mar. 19, 2025
Power Spectral Density	25°C	51%	AC 120V/60Hz	Steve Zhou	Mar. 19, 2025

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Projector
Brand Name	XGIMI
Test Model	WK08K
Series Model	N/A
Model Difference(s)	N/A
Software Version	V1.0.33
Hardware Version	251-02282-013
Power Source	1# DC voltage supplied from AC adapter. Model: S065ARU2000325 2# Supplied from Li-ion battery pack Model: S13741
Power Rating	1# I/P: 100-240V ~ 50/60Hz 1.8A Max O/P: 5V⎓3A/9V⎓3A/12V⎓3A/15V⎓3A/20V⎓3.25A 2# 14.4V 4950mAh
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	IEEE 802.11b: 27.08 dBm (0.5105 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	N/A	409-00234-001	FPC	I-PEX	4.59
2	N/A	409-00235-001	FPC	I-PEX	0.98

Note:

1) This EUT supports CDD, and all antenna gains are not equal, Directional gain = G_{ANT}+Array Gain.
For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$), so the Directional gain=4.59.
For power spectral density measurements, $N_{ANT}=4$, $N_{SS}=1$.
So the Directional gain=G_{ANT}+Array Gain=G_{ANT}+10log(N_{ANT}/ N_{SS})dBi=4.59+10log(2/1)dBi=7.60.
Then, the power spectral density limit is 8-(7.60-6)=6.40.

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)

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 B 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 5	TX B Mode Channel 06

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 5	TX B 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

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

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 B 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.
(1) For radiated emission Harmonic 18-26.5GHz test, only tested the worst case and recorded.
(2) For radiated emission above 1GHz test, the Vertical antennas and Horizontal antennas are evaluated, the worst case is Horizontal antennas and recorded.

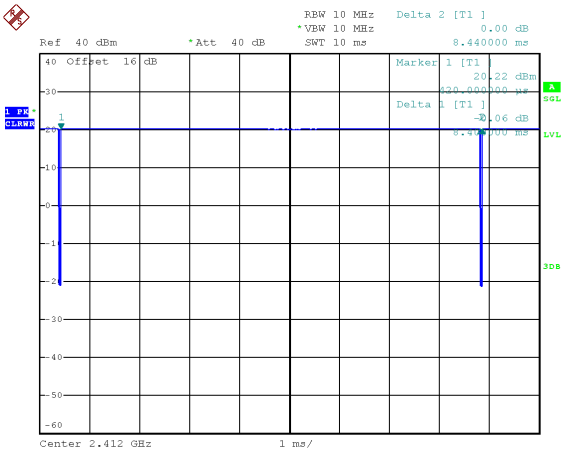
3.3 PARAMETERS OF TEST SOFTWARE

Test Software Version	QA-Tool_MT7668		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	25	2B	23
IEEE 802.11g	23	30	24
IEEE 802.11n(HT20)	22	27	23
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	21	25	21

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.

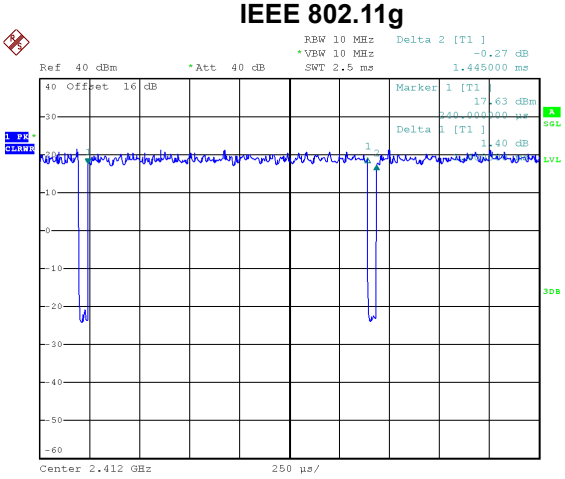
IEEE 802.11b



Date: 1.MAR.2025 16:31:27

Duty cycle = 8.400 ms / 8.440 ms = 99.53%
Duty Factor = 10 log(1/Duty cycle) = 0.00

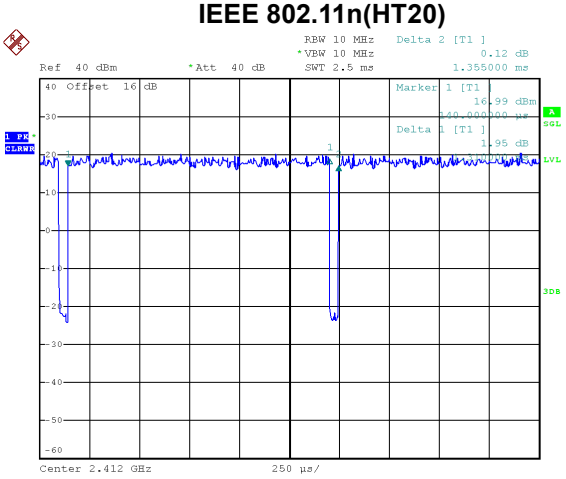
IEEE 802.11g



Date: 1.MAR.2025 16:31:54

Duty cycle = 1.400 ms / 1.445 ms = 96.89%
Duty Factor = 10 log(1/Duty cycle) = 0.14

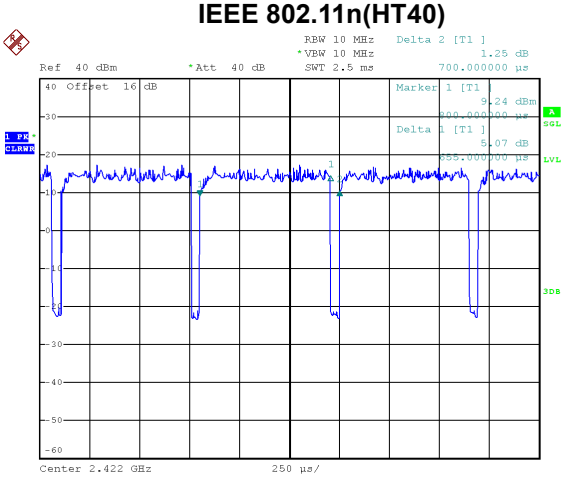
IEEE 802.11n(HT20)



Date: 1.MAR.2025 16:32:25

Duty cycle = 1.310 ms / 1.355 ms = 96.68%
Duty Factor = 10 log(1/Duty cycle) = 0.15

IEEE 802.11n(HT40)



Date: 1.MAR.2025 16:32:40

Duty cycle = 0.655 ms / 0.700 ms = 93.57%
Duty Factor = 10 log(1/Duty cycle) = 0.29

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

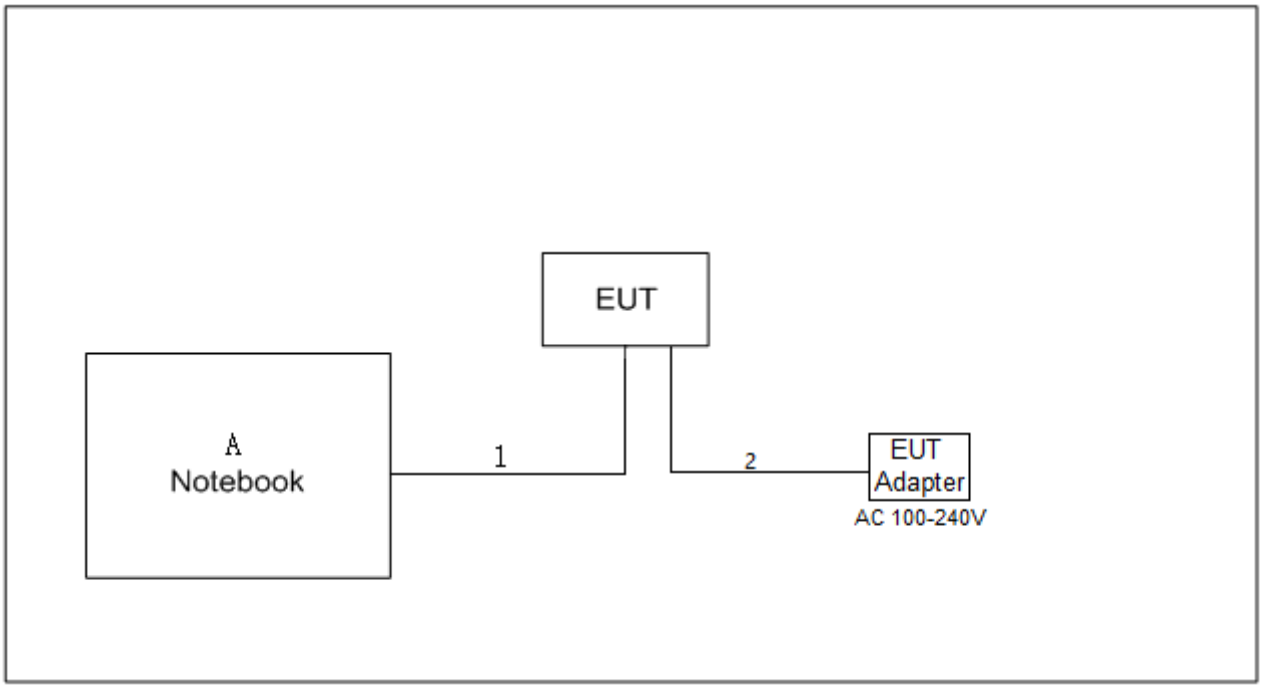
For IEEE 802.11g:
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 714 Hz.

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 763 Hz.

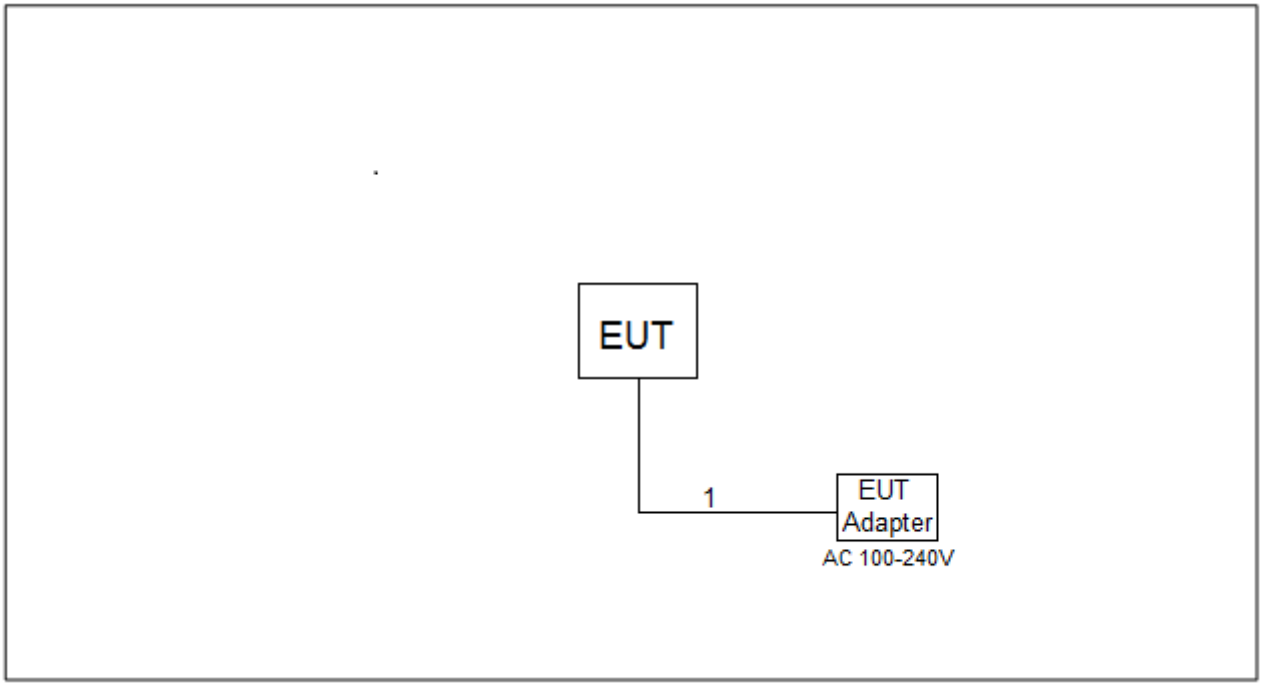
For IEEE 802.11n(HT40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1527 Hz.

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

For Radiated emissions test – 1 -18 GHz



For Others



3.6 SUPPORT UNITS

For Radiated emissions test - 1 -18 GHz

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Lenovo	NDR-WFH	NA

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	USB Cable	NO	NO	0.8m
2	DC Cable	NO	NO	1.2m

For Others

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

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.2m

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. Part of the cable losses (0.5 dB) are provided by the manufacturer, while the other parts of the cable losses are provided by the testing laboratory.

4. AC POWER LINE CONDUCTED EMISSIONS

4.1 LIMIT

Frequency of Emission (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

(1) The tighter limit applies at the band edges.
(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

4.2 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

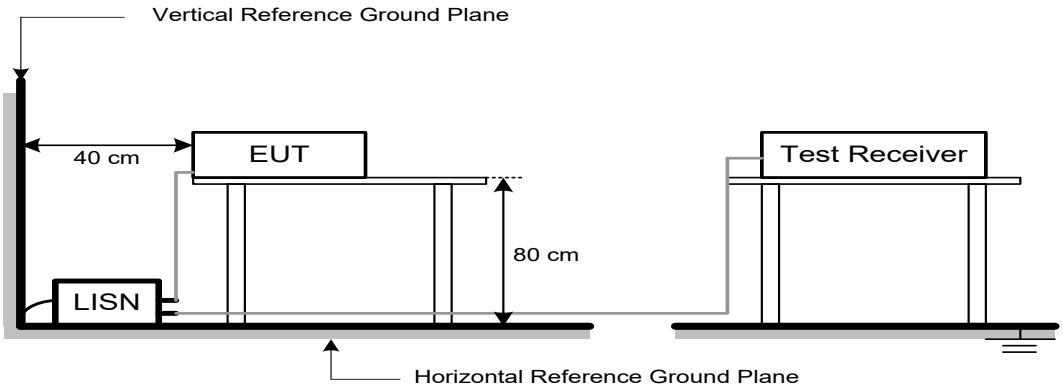
The following table is the setting of the receiver:

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

4.3 DEVIATION FROM TEST STANDARD

No deviation.

4.4 TEST SETUP



4.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS

Please refer to the APPENDIX A.

5. RADIATED EMISSIONS

5.1 LIMIT

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

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

Note:
(1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
(2) The tighter limit applies at the band edges.
(3) Emission level (dBuV/m)=20log Emission level (uV/m).
(4) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
Margin Level = Measurement Value - Limit Value
(5)

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

$20\log (d_{limit}/d_{measure})=20\log (3/1)=9.5$ dB.
FS_{limit}: Harmonic at 3m Peak and Average limit.
FS_{max}: Harmonic at 1m Peak and Average Maximum value.
d_{limit}: Harmonic at 3m test distance.
$d_{measure}$: Harmonic Actual test distance.

5.2 TEST PROCEDURE

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

The following table is the setting of the receiver:

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

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

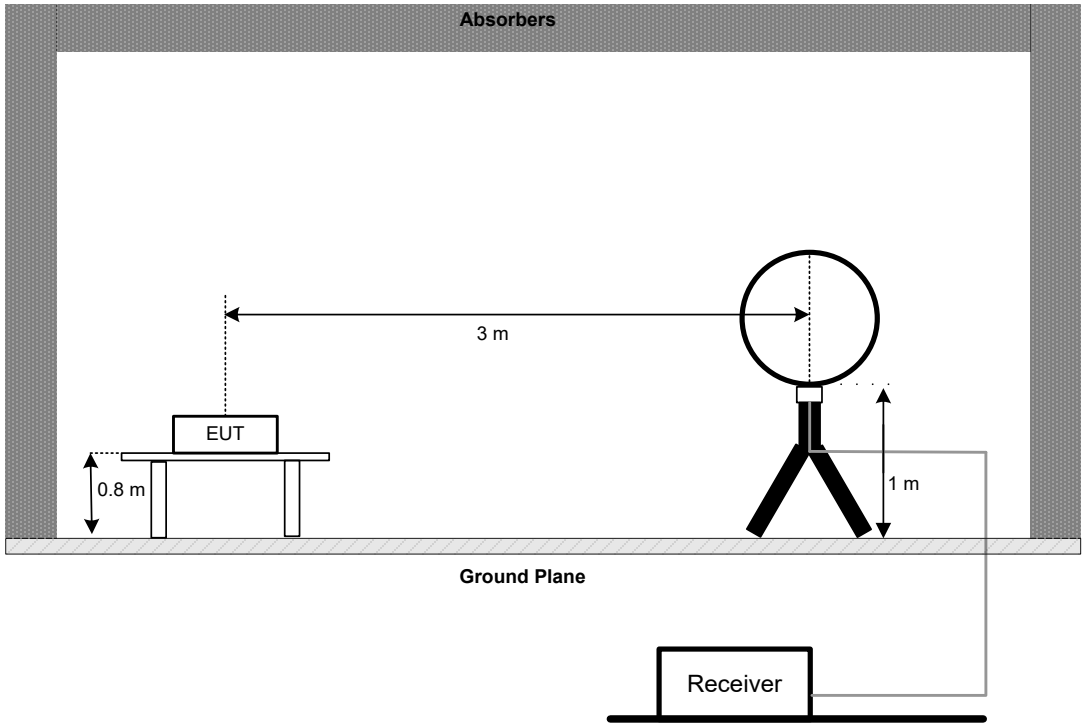
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

5.3 DEVIATION FROM TEST STANDARD

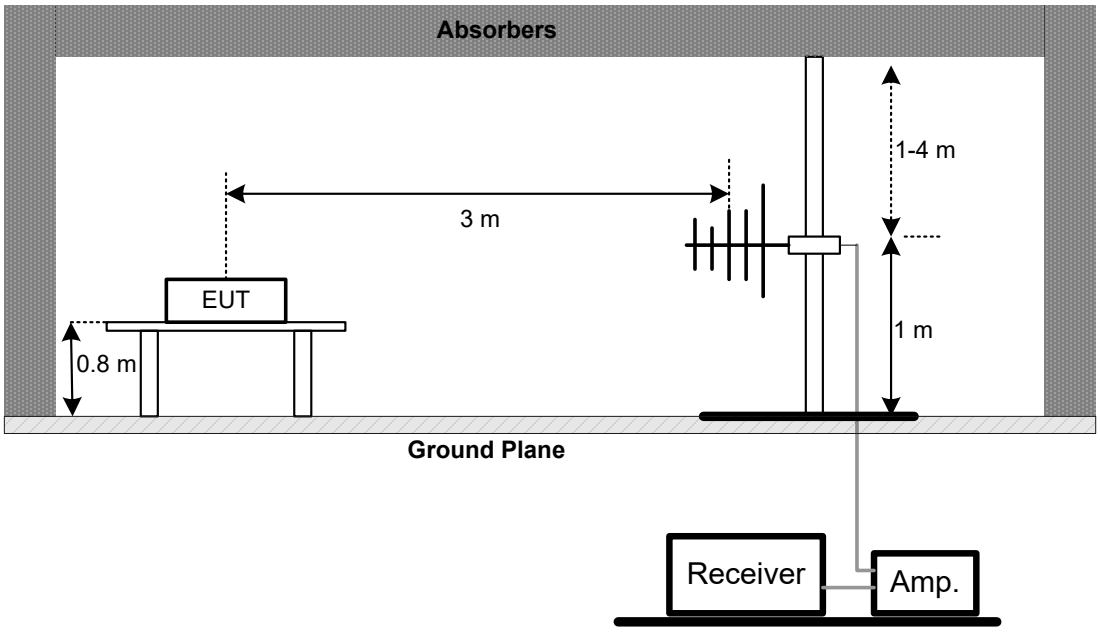
No deviation.

5.4 TEST SETUP

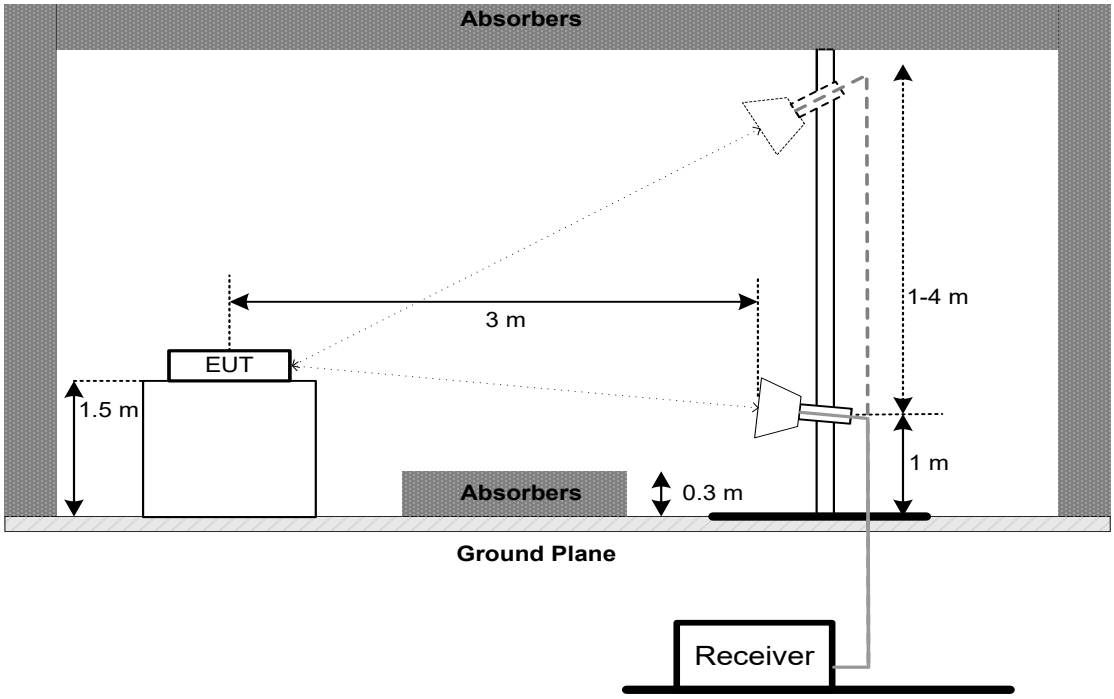
9 kHz to 30 MHz



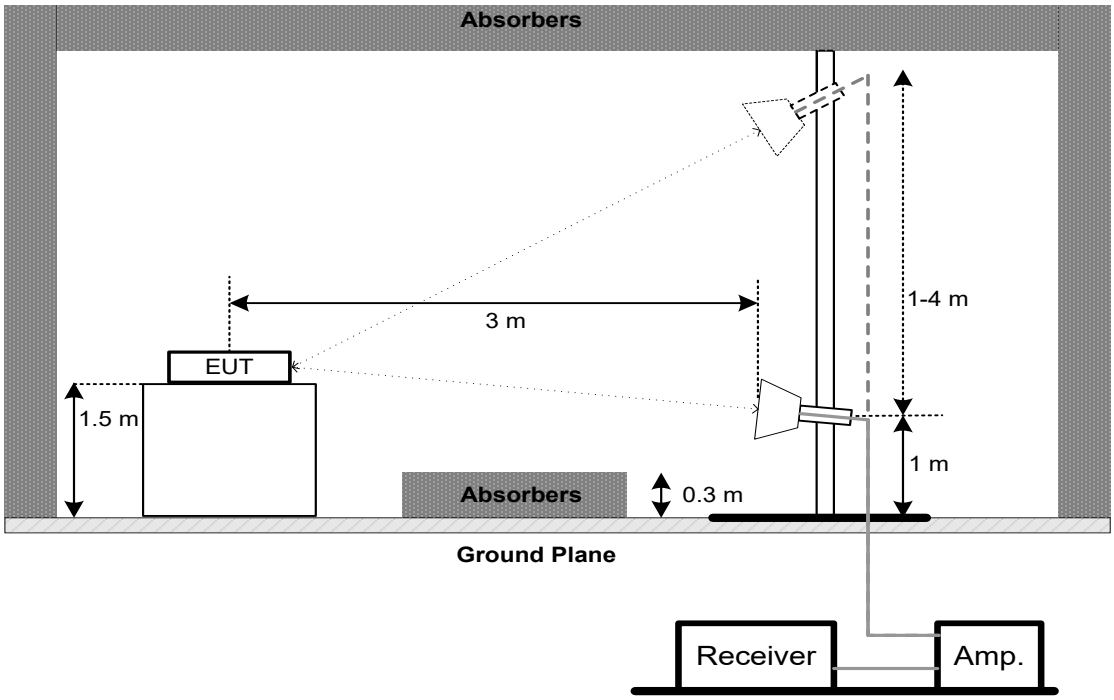
30 MHz to 1 GHz



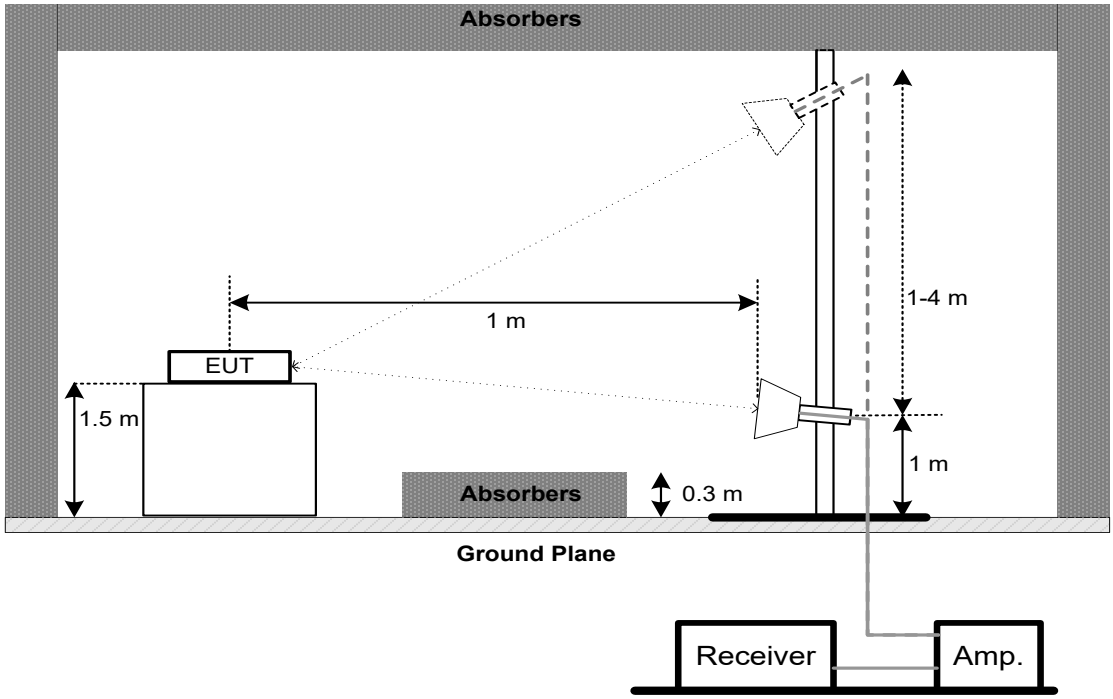
Above 1 GHz
Band edge



Harmonic (1 GHz to 18 GHz)



Harmonic (18 GHz to 26.5 GHz)



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

Remark:

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

5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

5.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

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

6. BANDWIDTH

6.1 LIMIT

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

6.2 TEST PROCEDURE

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

For 6 dB Bandwidth:

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

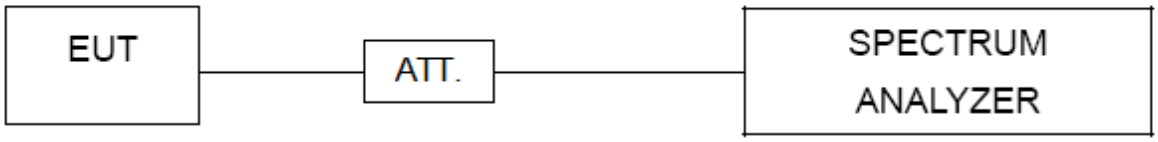
For 99% Emission Bandwidth:

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

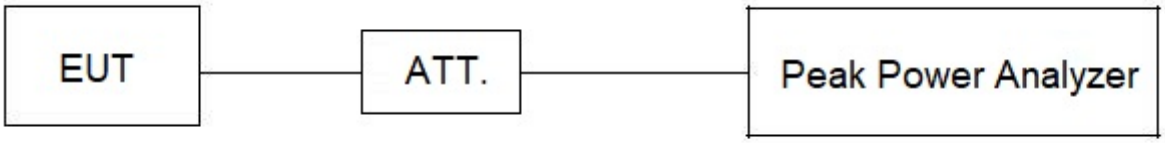
7.2 TEST PROCEDURE

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

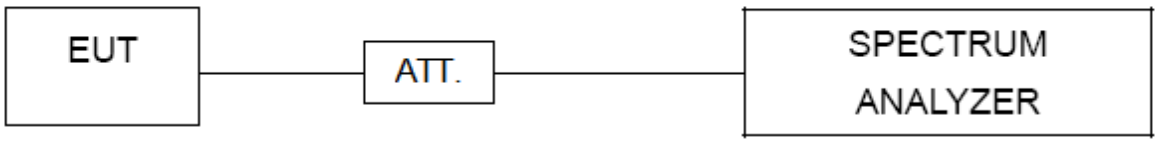
a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

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

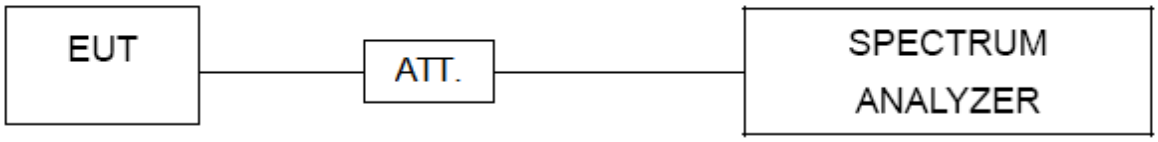
a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

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. 06, 2025
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Dec. 06, 2025
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M -001	9M	Nov. 11, 2025
5	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60B	1513-60 B-034	Mar. 30, 2025
2	MXE EMI Receiver	Keysight	N9038A	MY56400091	Dec. 06, 2025
3	Cable	N/A	RW4950-3.8A-NMS M-1.5	N/A	Nov. 12, 2025
4	Cable	N/A	LMR400-NMNM-8 M	N/A	Nov. 12, 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	May 16, 2025

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	1587	Apr. 25, 2025
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06010	Apr. 25, 2025
3	Preamplifier	EMC INSTRUMENT	EMC001330	980865	Oct. 29, 2025
4	Cable	RegalWay	LMR400-NMNM-2. 5m	N/A	Jan. 07, 2026
5	Cable	RegalWay	LMR400-NMNM-7 m	N/A	Jan. 07, 2026
6	Cable	RegalWay	LMR400-NMNM-3 m	N/A	Jan. 07, 2026
7	Receiver	Agilent	N9038A	MY52130039	Jan. 10, 2026
8	Multi-Device Controller	ETS-Lindgren	N/A	N/A	N/A
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	966 Chamber room	ETS	9*6*6	N/A	Jan. 02, 2026

Radiated Emissions - 1 GHz - 18 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Multi-Device Controller	ETS-Lindgren	N/A	N/A	N/A
2	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
3	MXA Signal Analyzer	KEYSIGHT	N9020B	MY63380204	Oct. 29, 2025
4	Cable	RegalWay	RWLP50-4.0A-SMSM-1.3M	N/A	Jan. 09, 2025
5	Cable	RegalWay	RWLP50-2.6A-3.5M2.92MRA-3M	N/A	Jan. 09, 2025
6	Cable	RegalWay	RWLP50-4.0A-SMSM-9M	N/A	Jan. 09, 2025
7	966 Chamber room	ETS	RFD-100 (SVSWR)	Q2179	Jan. 09, 2025
8	Double Ridged Horn Antenna	EMC INSTRUMENT	DRH18-E	210509A18ES	Aug. 28, 2025
9	Preamplifier	EMC INSTRUMENT	EMC118A45SE	981001	May 31, 2025
10	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
11	Filter	STI	STI15-9912	N/A	Oct. 29, 2025

Radiated Emissions - Above 18 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Cable	RegalWay	RWLP50-2.6A-2.92M2.92M-2M	N/A	Jan. 07, 2026
2	Cable	RegalWay	RWLP50-2.6A-3.5M2.92MMRA-6M	N/A	Jan. 07, 2026
3	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	1227	Oct. 20, 2025
4	Preamplifier	EMC INSTRUMENT	EMC184045SE	980905	Oct. 29, 2025
5	966 Chamber room	ETS	9*6*6	N/A	Jan. 03, 2026
6	Multi-Device Controller	ETS-Lindgren	N/A	N/A	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	MXA Signal Analyzer	KEYSIGHT	N9020B	MY63380204	Oct. 29, 2025

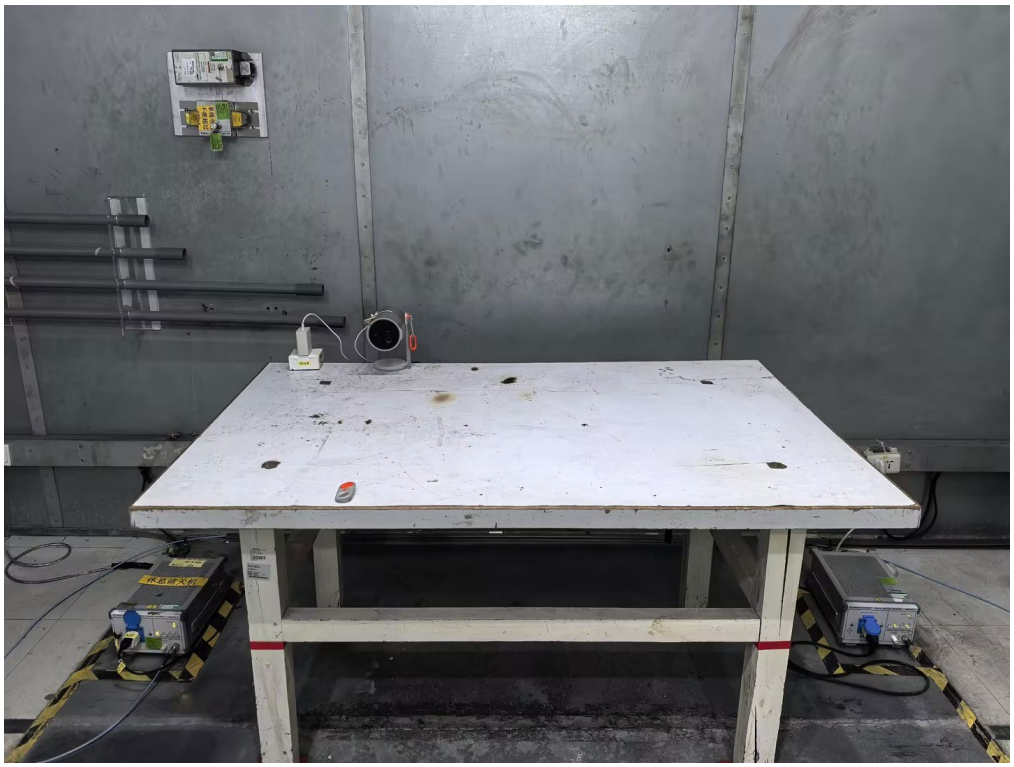
Bandwidth & Conducted Spurious Emissions & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP38	100852	May 31, 2025
2	Measurement Software	BTL	BTL Conducted Test	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	May 31, 2025
2	Wideband power sensor	Keysight	N1923A	MY58310004	May 31, 2025
3	Isolation attenuator	Z-Link	ASMA-10-18-2W	N/A	N/A

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

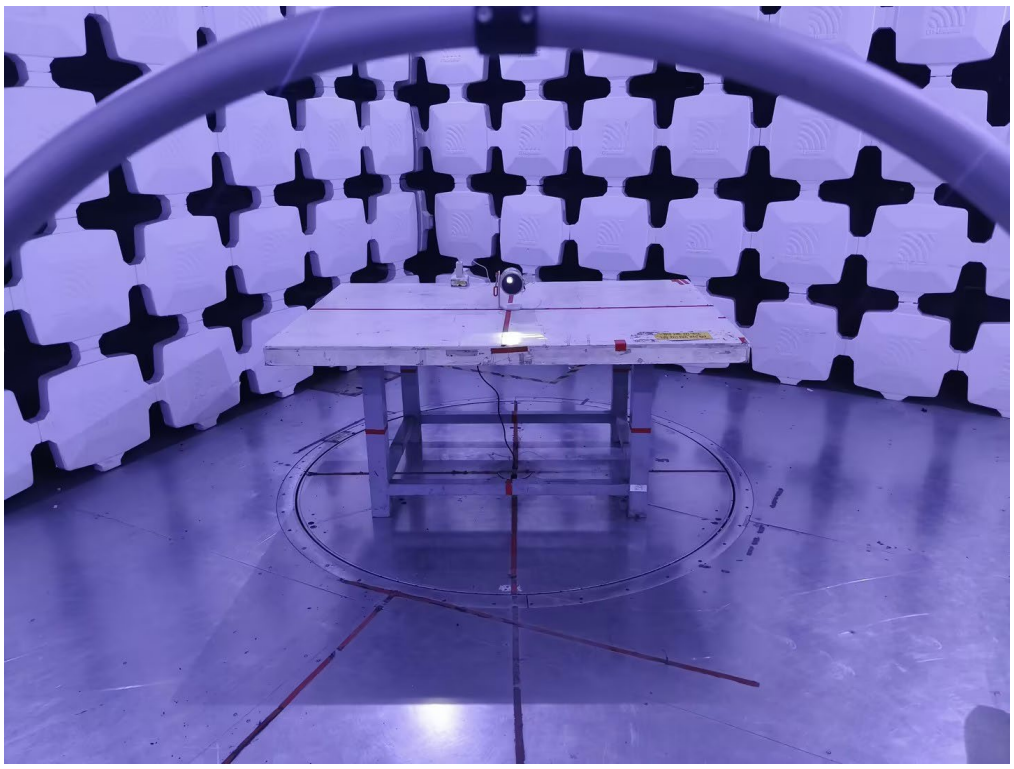
11. EUT TEST PHOTO

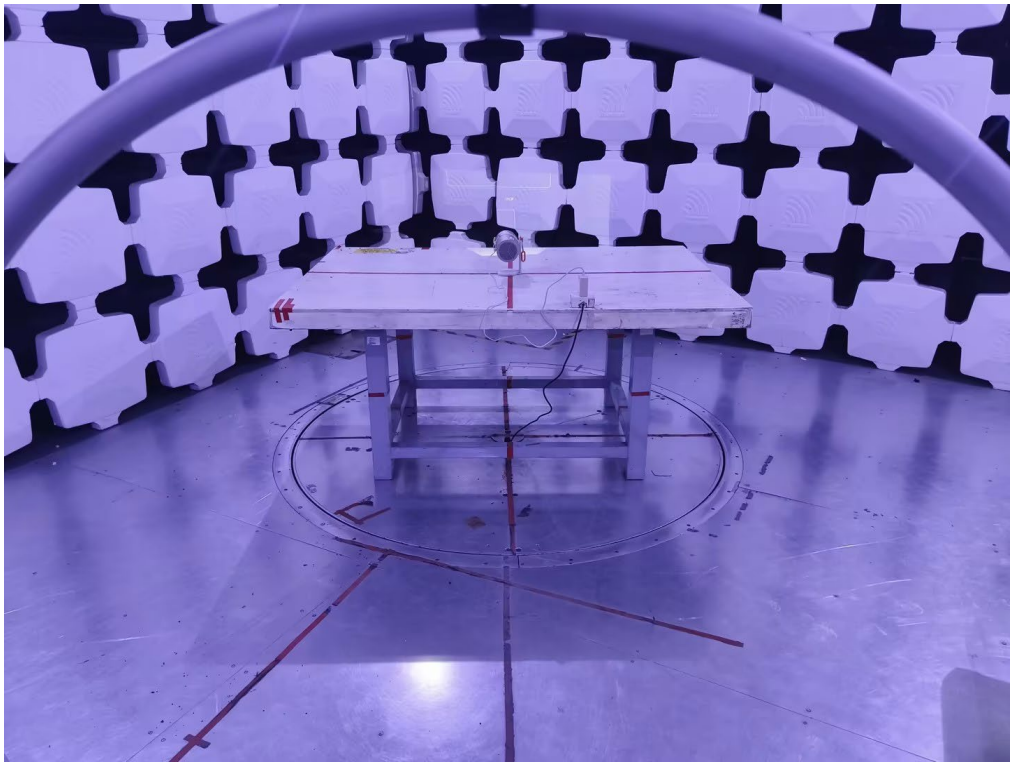
AC Power Line Conducted Emissions Test Photos



Radiated Emissions Test Photos

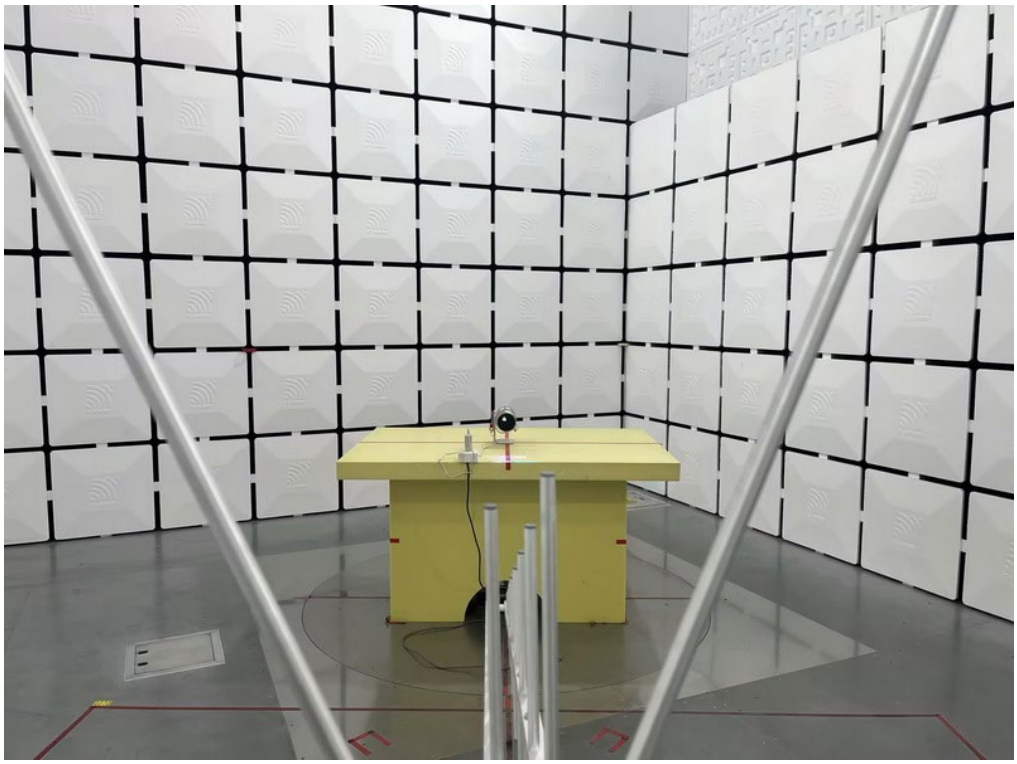
9 kHz to 30 MHz

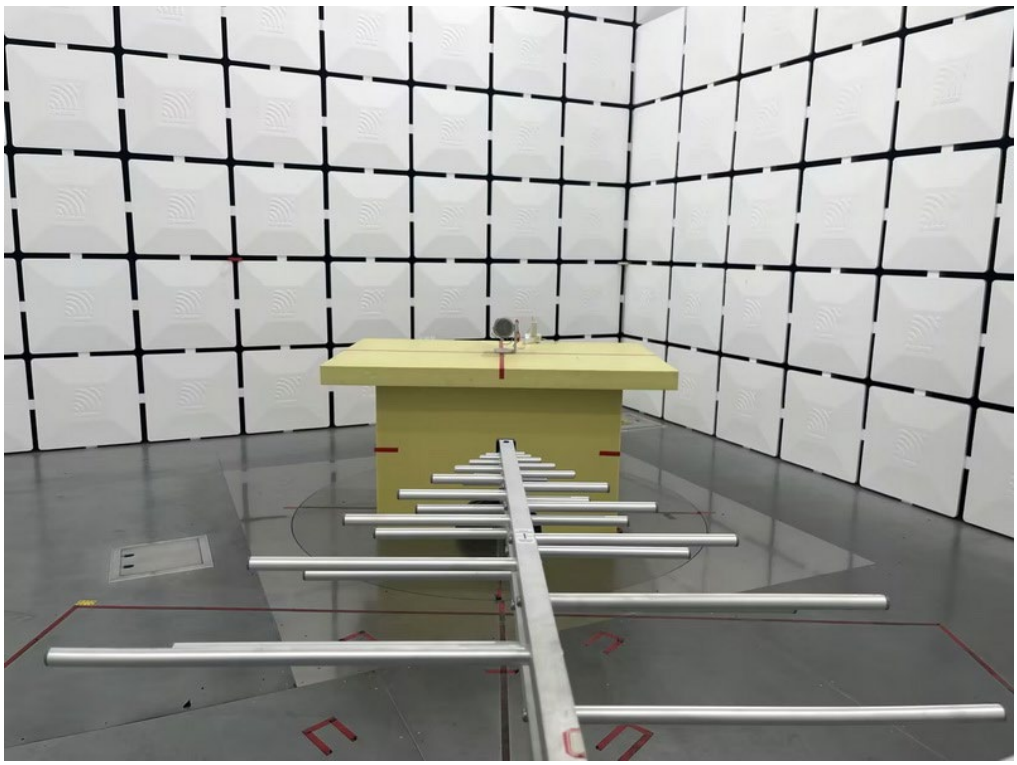




Radiated Emissions Test Photos

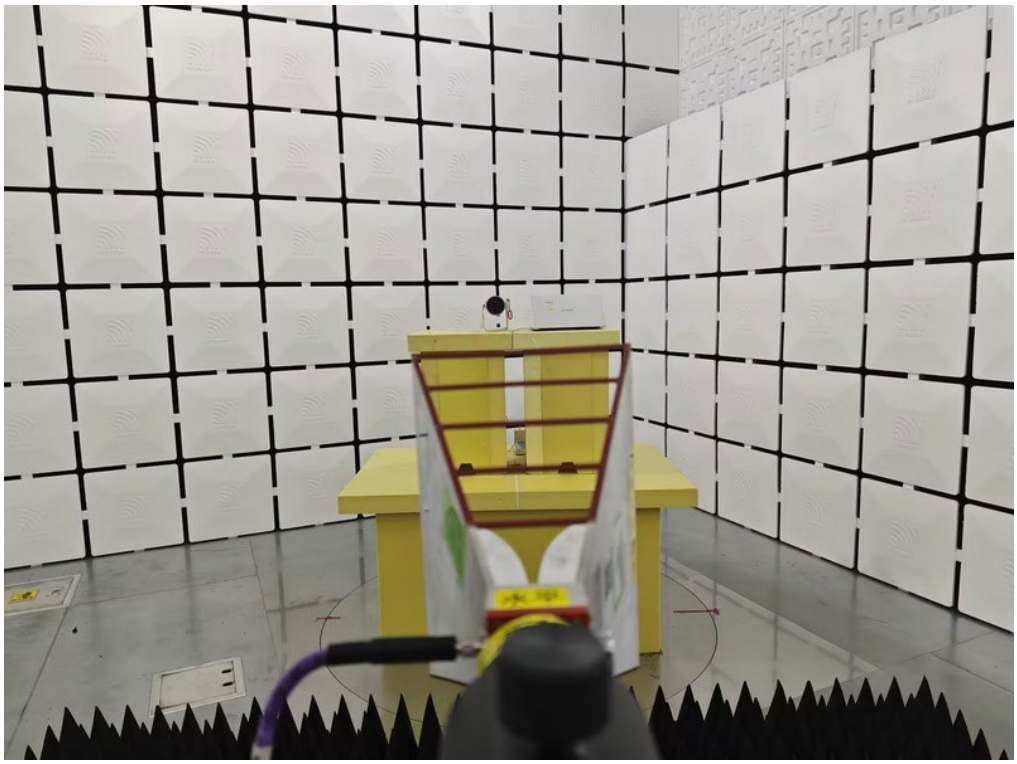
30 MHz to 1 GHz

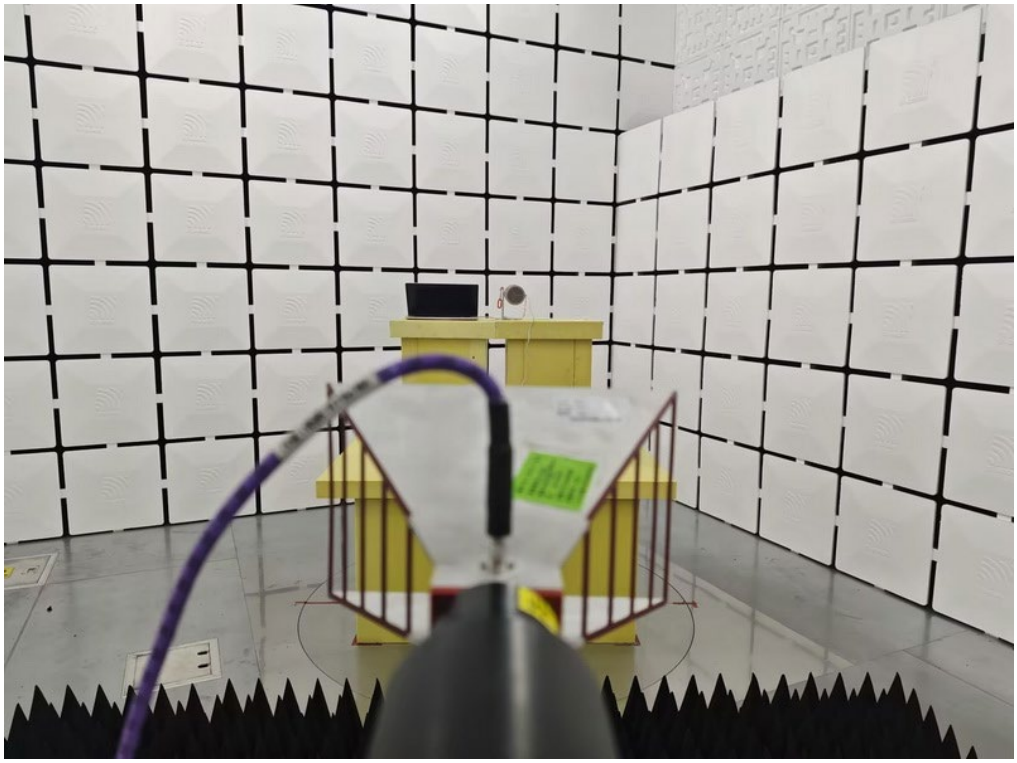




Radiated Emissions Test Photos

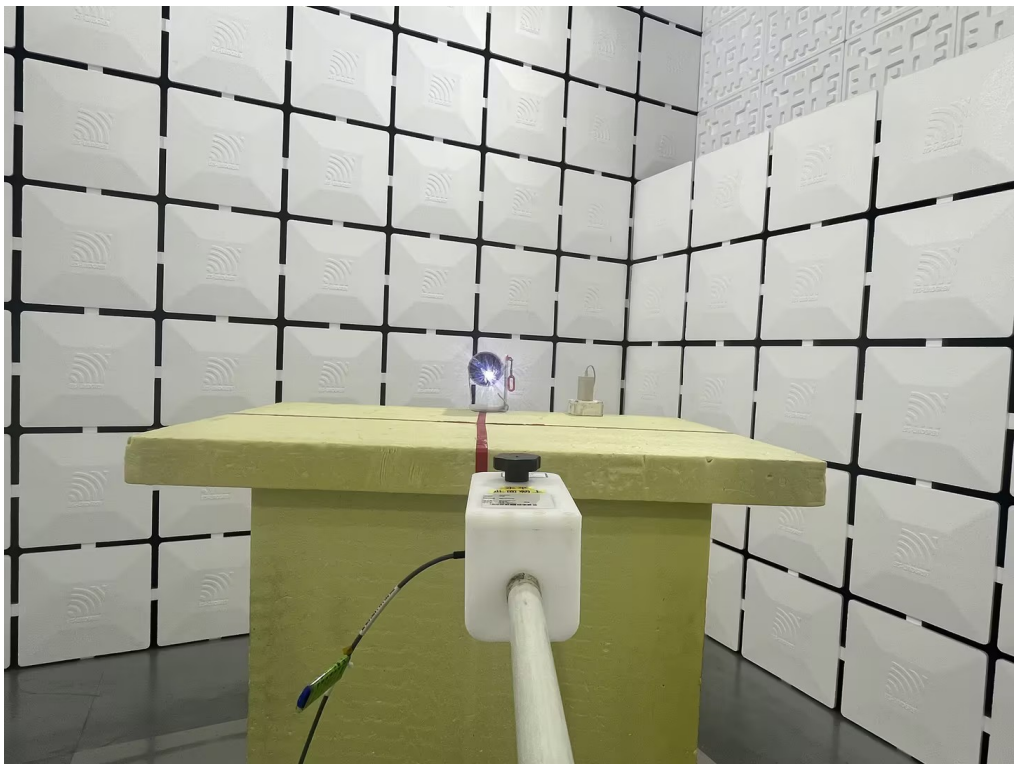
Band edge & Harmonic (1 GHz to 18 GHz)

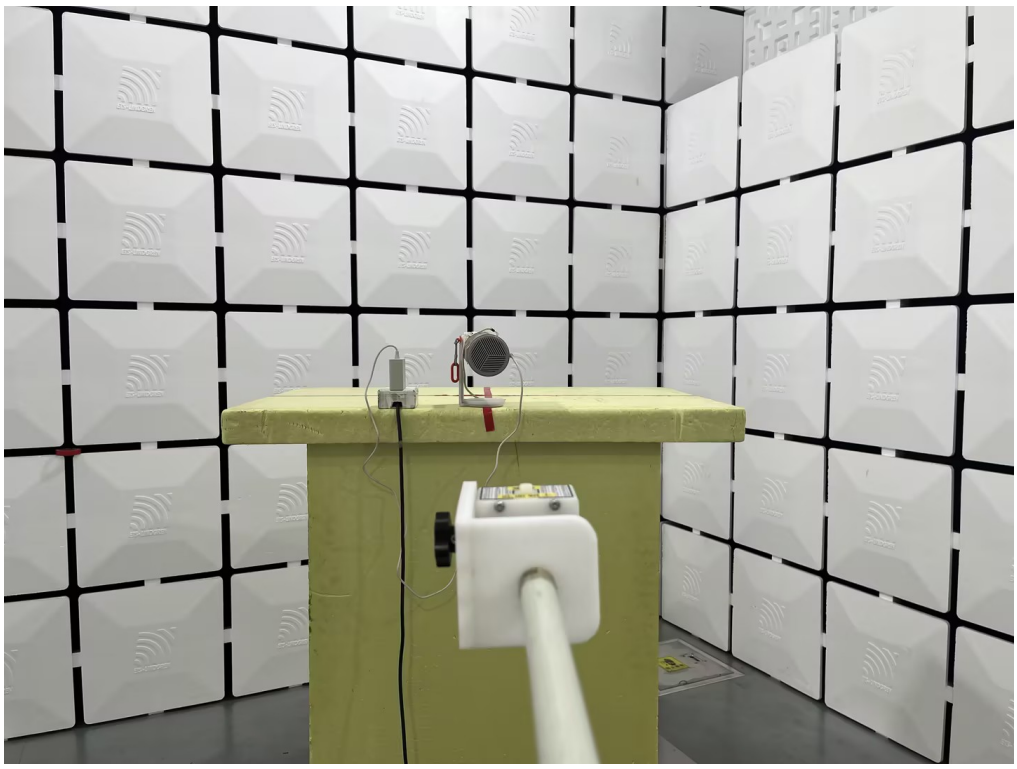




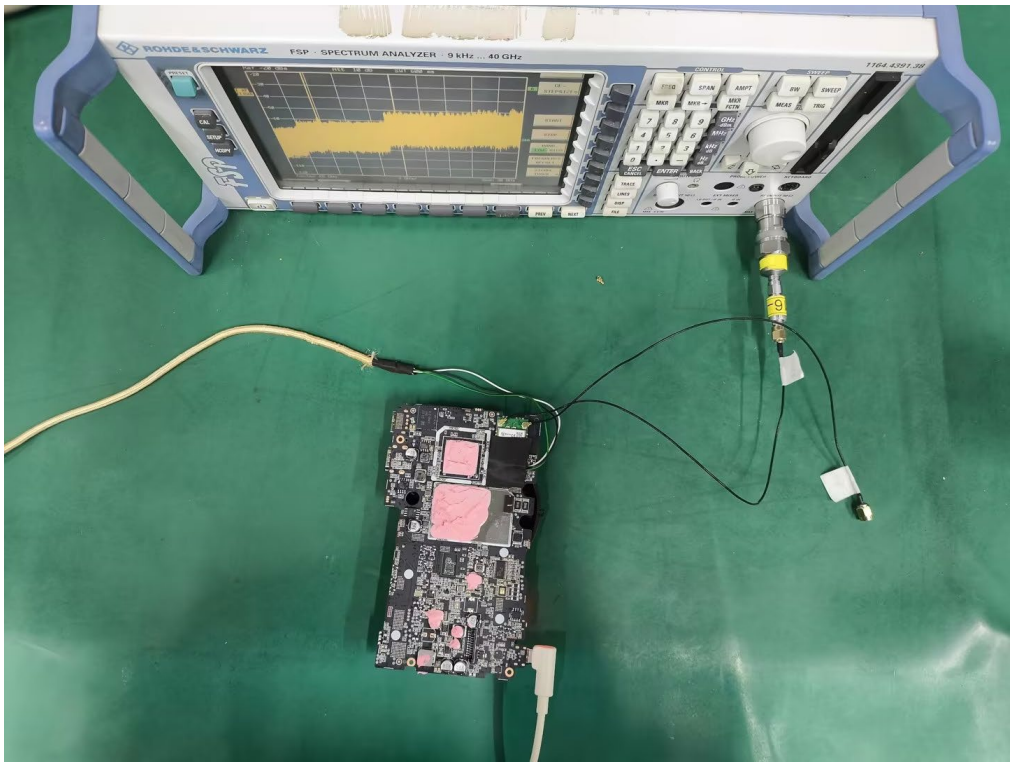
Radiated Emissions Test Photos

Harmonic (18 GHz to 26.5 GHz)



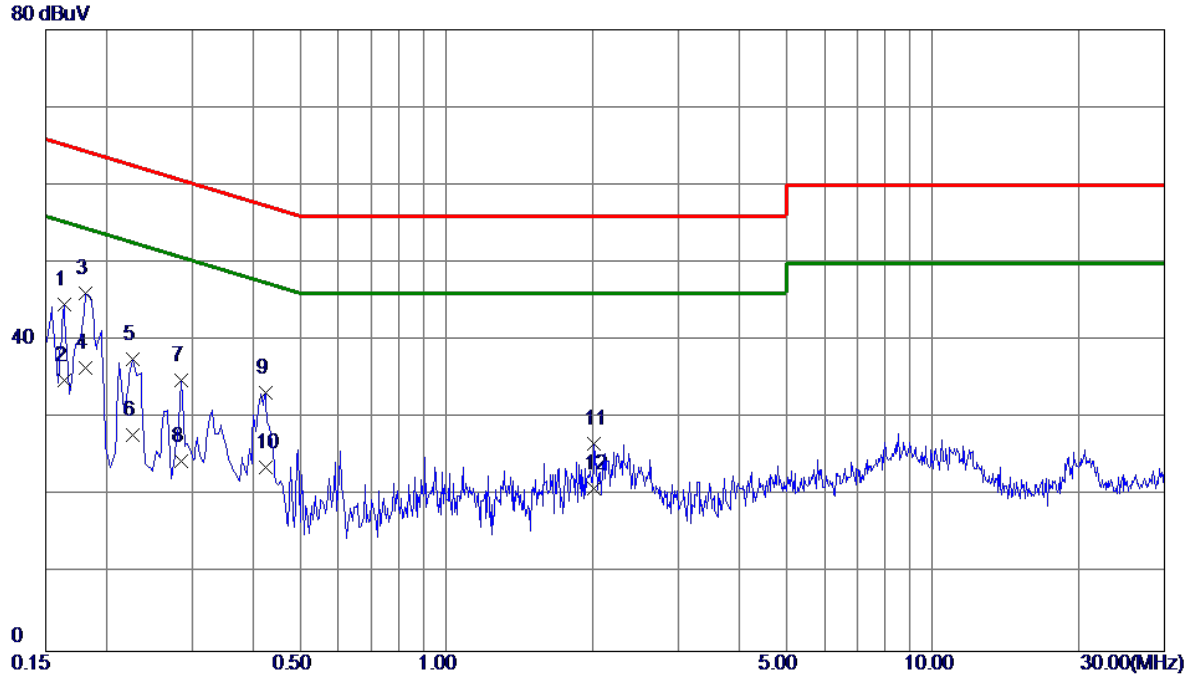


Conducted Test Photos



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

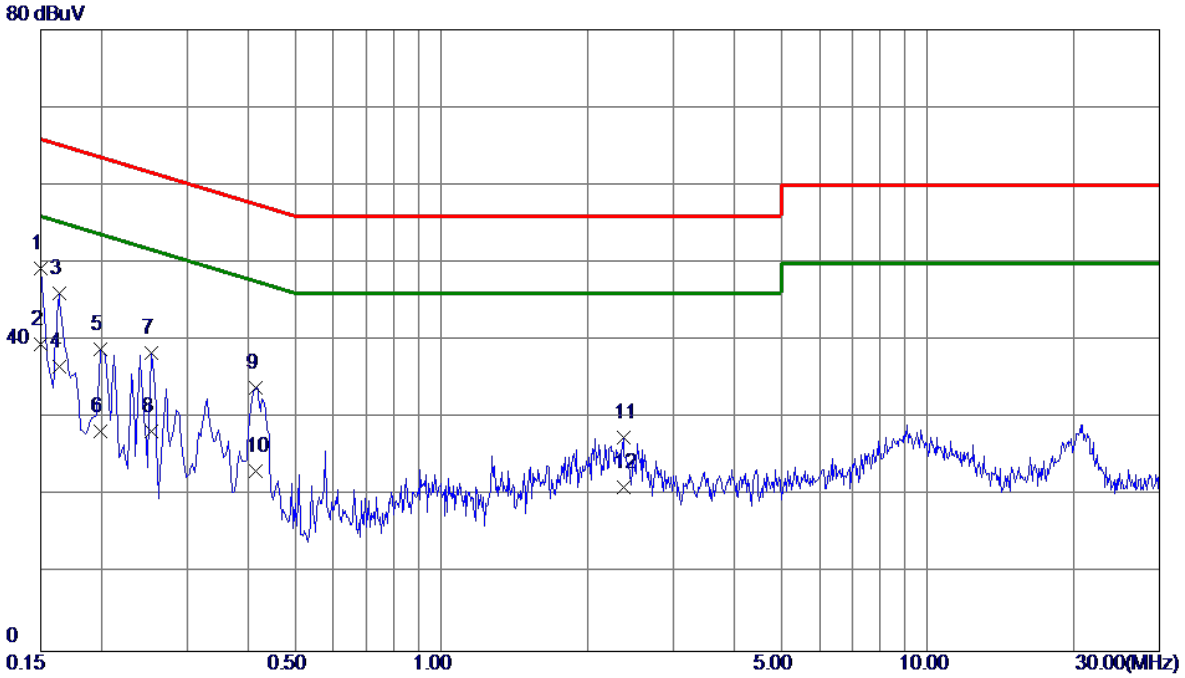
Test Mode	TX B Mode Channel 06	Phase	Line



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1635	34.71	9.92	44.63	65.28	-20.65	QP	
2	0.1635	24.90	9.92	34.82	55.28	-20.46	AVG	
3	0.1815	36.11	9.92	46.03	64.42	-18.39	QP	
4 *	0.1815	26.50	9.92	36.42	54.42	-18.00	AVG	
5	0.2265	27.71	9.90	37.61	62.58	-24.97	QP	
6	0.2265	17.90	9.90	27.80	52.58	-24.78	AVG	
7	0.2850	24.98	9.91	34.89	60.67	-25.78	QP	
8	0.2850	14.50	9.91	24.41	50.67	-26.26	AVG	
9	0.4245	23.30	9.94	33.24	57.36	-24.12	QP	
10	0.4245	13.80	9.94	23.74	47.36	-23.62	AVG	
11	2.0175	16.46	10.20	26.66	56.00	-29.34	QP	
12	2.0175	10.80	10.20	21.00	46.00	-25.00	AVG	

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

Test Mode	TX B Mode Channel 06	Phase	Neutral

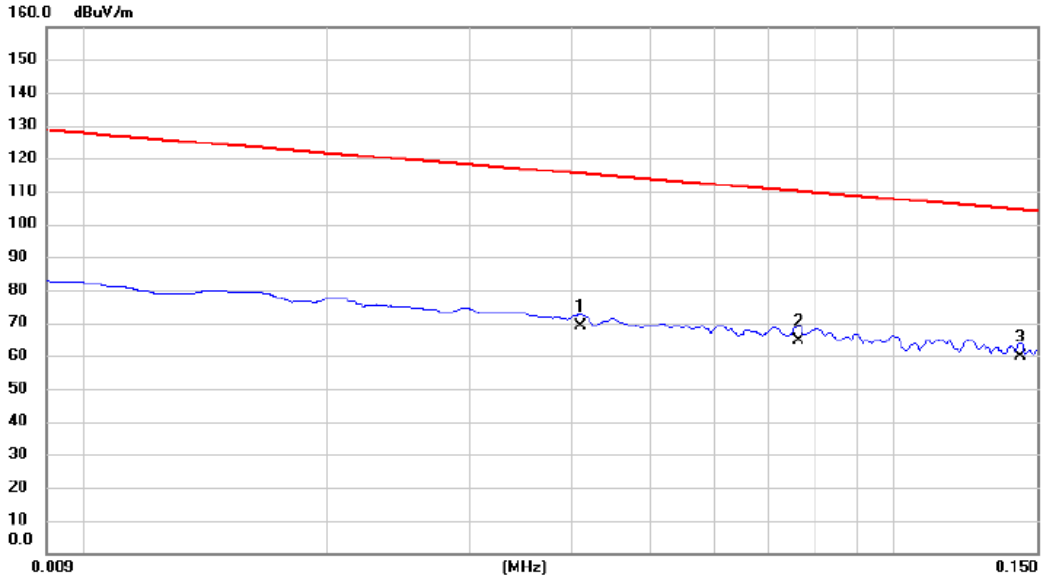


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1500	39.23	9.97	49.20	66.00	-16.80	QP	
2 *	0.1500	29.50	9.97	39.47	56.00	-16.53	AVG	
3	0.1635	36.17	9.97	46.14	65.28	-19.14	QP	
4	0.1635	26.70	9.97	36.67	55.28	-18.61	AVG	
5	0.1995	28.94	9.97	38.91	63.63	-24.72	QP	
6	0.1995	18.30	9.97	28.27	53.63	-25.36	AVG	
7	0.2535	28.41	9.98	38.39	61.64	-23.25	QP	
8	0.2535	18.40	9.98	28.38	51.64	-23.26	AVG	
9	0.4155	23.91	10.01	33.92	57.54	-23.62	QP	
10	0.4155	13.19	10.01	23.20	47.54	-24.34	AVG	
11	2.3685	17.19	10.31	27.50	56.00	-28.50	QP	
12	2.3685	10.79	10.31	21.10	46.00	-24.90	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

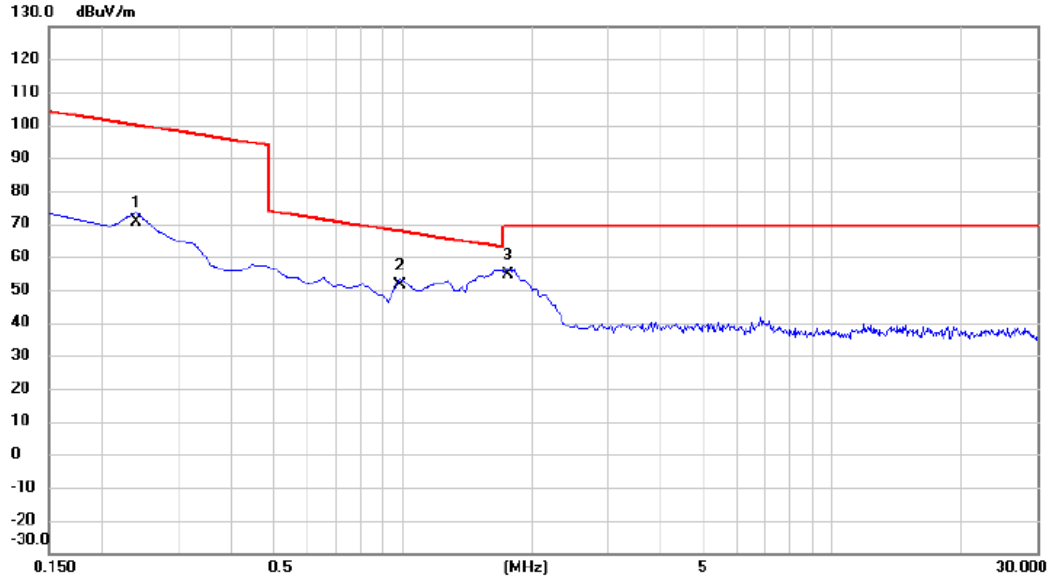
Test Mode	TX B Mode Channel 06	Polarization	Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0410	47.65	21.20	68.85	115.35	-46.50	AVG	
2		0.0761	43.25	21.33	64.58	109.98	-45.40	AVG	
3	*	0.1431	38.53	21.28	59.81	104.49	-44.68	AVG	

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

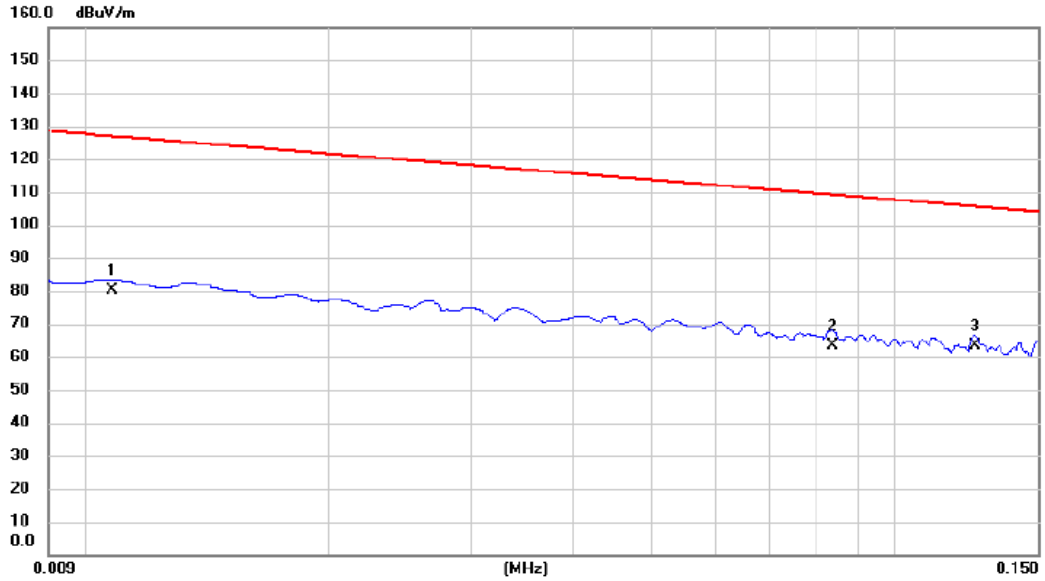
Test Mode	TX B Mode Channel 06	Polarization	Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2395	49.52	21.14	70.66	100.02	-29.36	AVG	
2		0.9858	30.22	21.20	51.42	67.73	-16.31	QP	
3	*	1.7620	33.64	21.13	54.77	69.54	-14.77	QP	

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

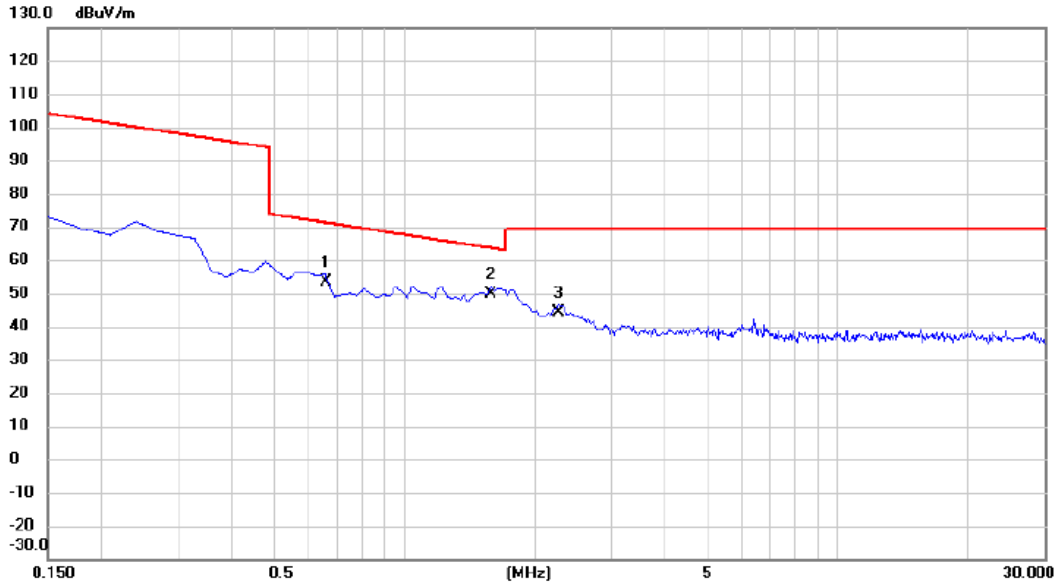
Test Mode	TX B Mode Channel 06	Polarization	Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0108	59.57	20.56	80.13	126.94	-46.81	AVG	
2		0.0836	42.17	21.34	63.51	109.16	-45.65	AVG	
3	*	0.1255	42.12	21.30	63.42	105.63	-42.21	AVG	

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

Test Mode	TX B Mode Channel 06	Polarization	Ant 90°

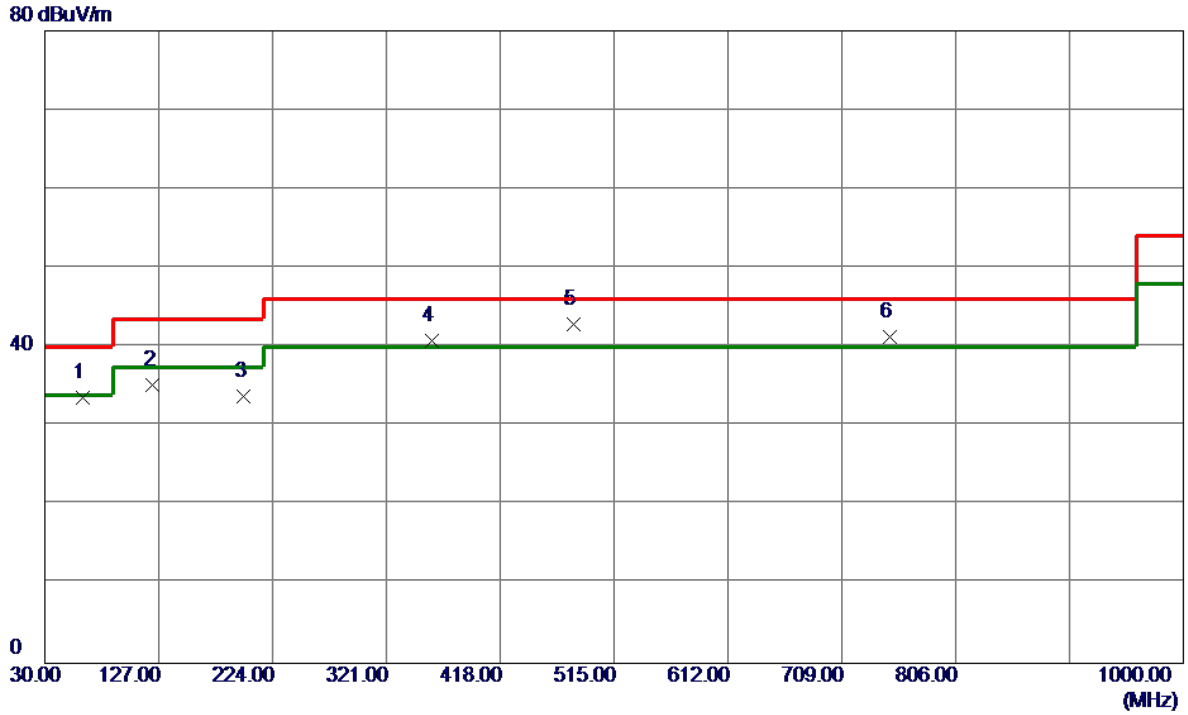


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.6574	32.34	21.11	53.45	71.25	-17.80	QP	
2	*	1.5828	28.62	21.15	49.77	63.62	-13.85	QP	
3		2.2694	23.17	21.11	44.28	69.54	-25.26	QP	

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

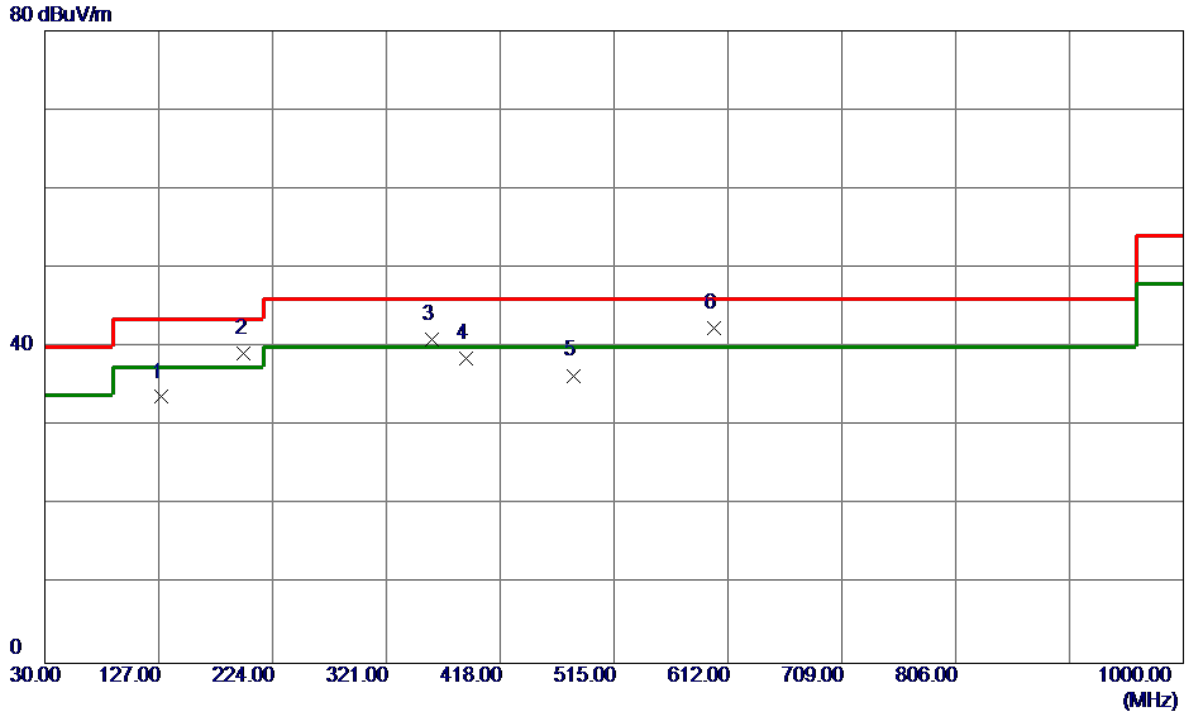
Test Mode	TX B Mode Channel 06	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	62.0100	45.80	-12.26	33.54	40.00	-6.46	Peak	
2	122.1500	48.58	-13.39	35.19	43.50	-8.31	Peak	
3	199.7500	48.35	-14.65	33.70	43.50	-9.80	Peak	
4	359.8000	50.45	-9.64	40.81	46.00	-5.19	Peak	
5 *	480.0800	49.44	-6.58	42.86	46.00	-3.14	Peak	
6	749.7400	43.02	-1.80	41.22	46.00	-4.78	Peak	

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

Test Mode	TX B Mode Channel 06	Polarization	Horizontal

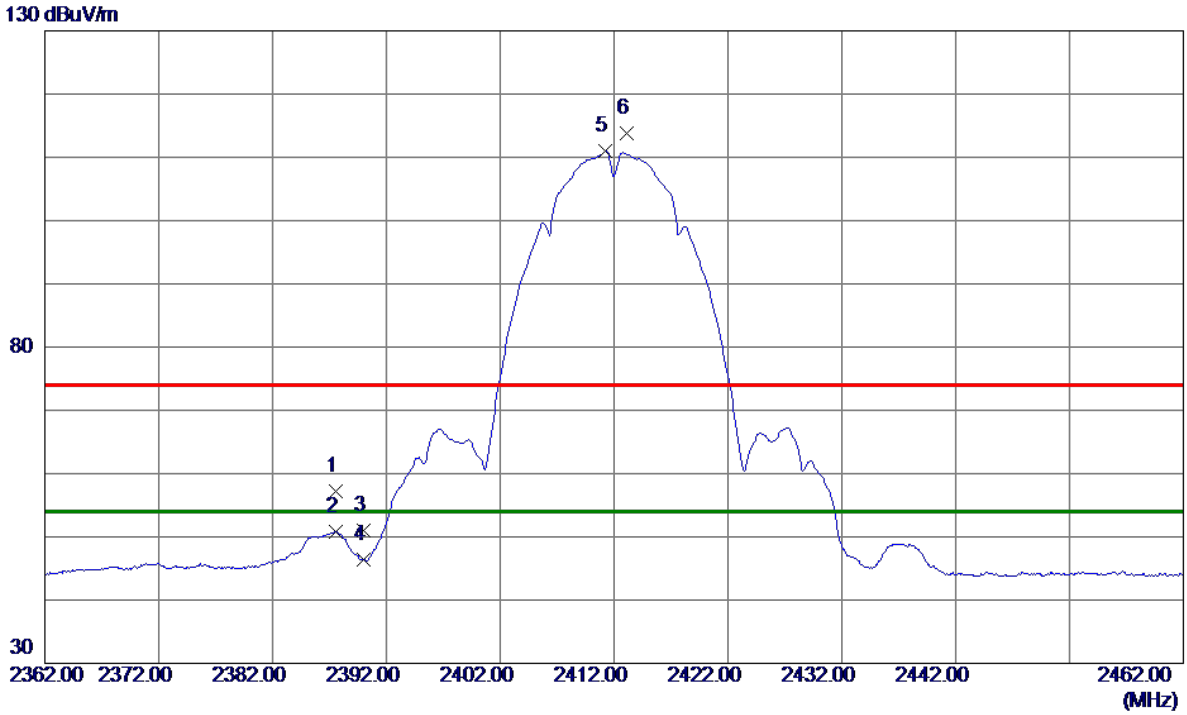


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	128.9400	46.50	-12.82	33.68	43.50	-9.82	Peak	
2	199.7500	53.91	-14.65	39.26	43.50	-4.24	Peak	
3	359.8000	50.53	-9.64	40.89	46.00	-5.11	Peak	
4	388.9000	47.46	-8.84	38.62	46.00	-7.38	Peak	
5	480.0800	42.98	-6.58	36.40	46.00	-9.60	Peak	
6 *	600.3600	46.10	-3.76	42.34	46.00	-3.66	QP	

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

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

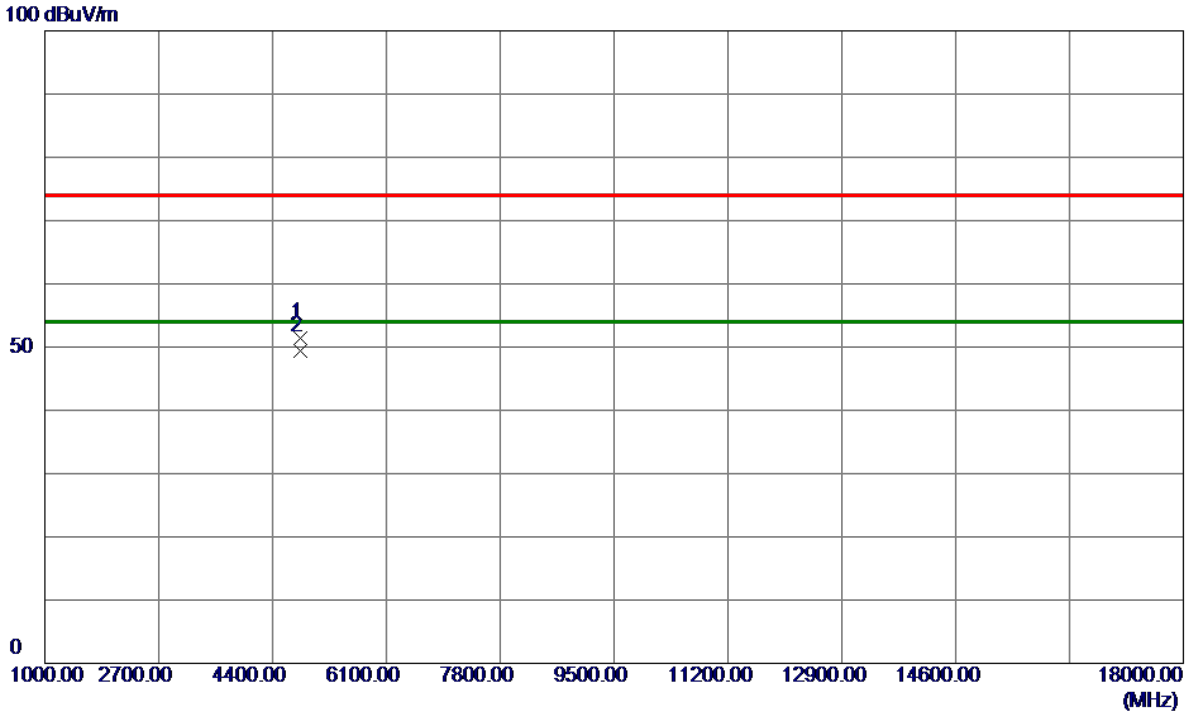
Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2387.6000	48.56	8.66	57.22	74.00	-16.78	Peak	
2	2387.6000	42.23	8.66	50.89	54.00	-3.11	AVG	
3	2390.0000	42.26	8.66	50.92	74.00	-23.08	Peak	
4	2390.0000	37.74	8.66	46.40	54.00	-7.60	AVG	
5 *	2411.2000	102.22	8.72	110.94	54.00	56.94	AVG	No Limit
6	2413.1000	105.10	8.72	113.82	74.00	39.82	Peak	No Limit

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

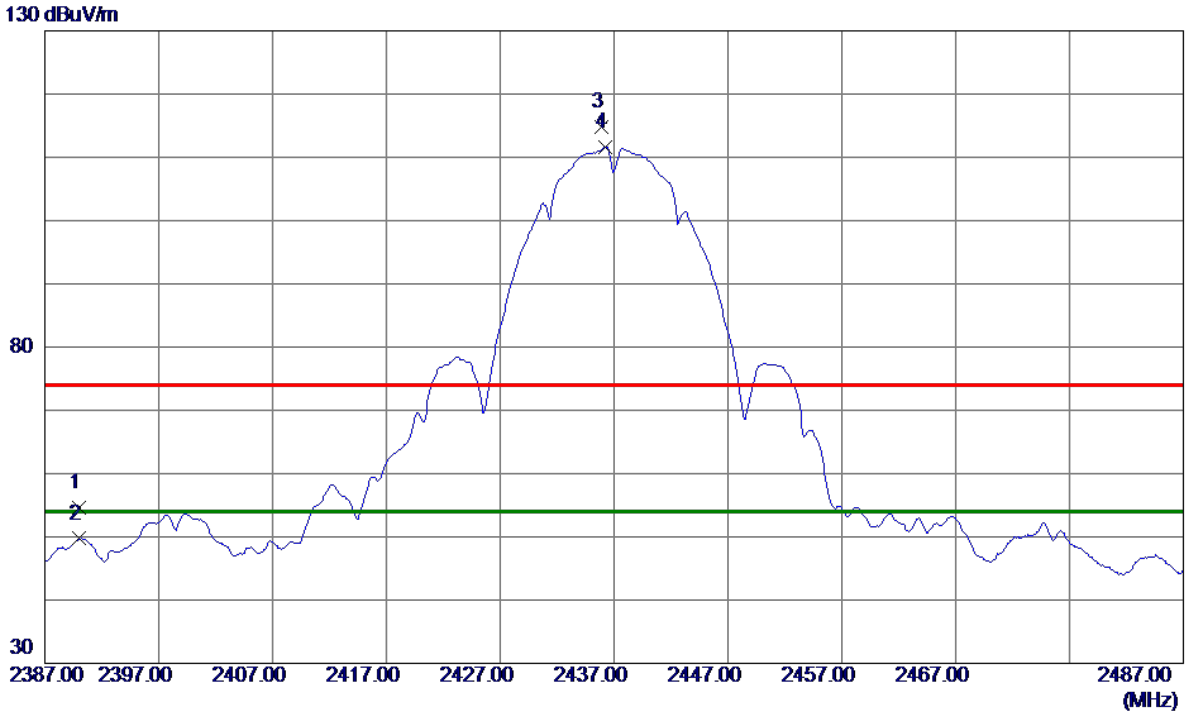
Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823.7400	47.43	4.07	51.50	74.00	-22.50	Peak	
2 *	4824.0000	45.29	4.07	49.36	54.00	-4.64	AVG	

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

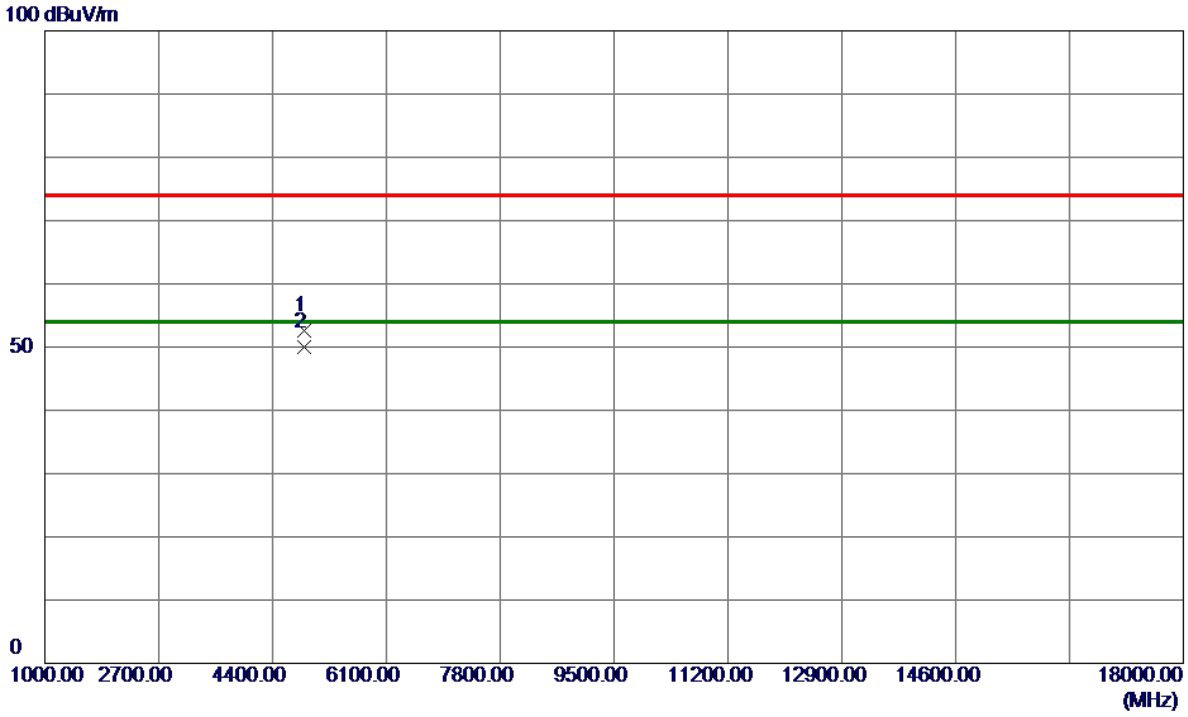
Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	45.92	8.66	54.58	74.00	-19.42	Peak	
2	2390.0000	41.04	8.66	49.70	54.00	-4.30	AVG	
3	2435.9000	105.93	8.78	114.71	74.00	40.71	Peak	No Limit
4 *	2436.2000	102.87	8.78	111.65	54.00	57.65	AVG	No Limit

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

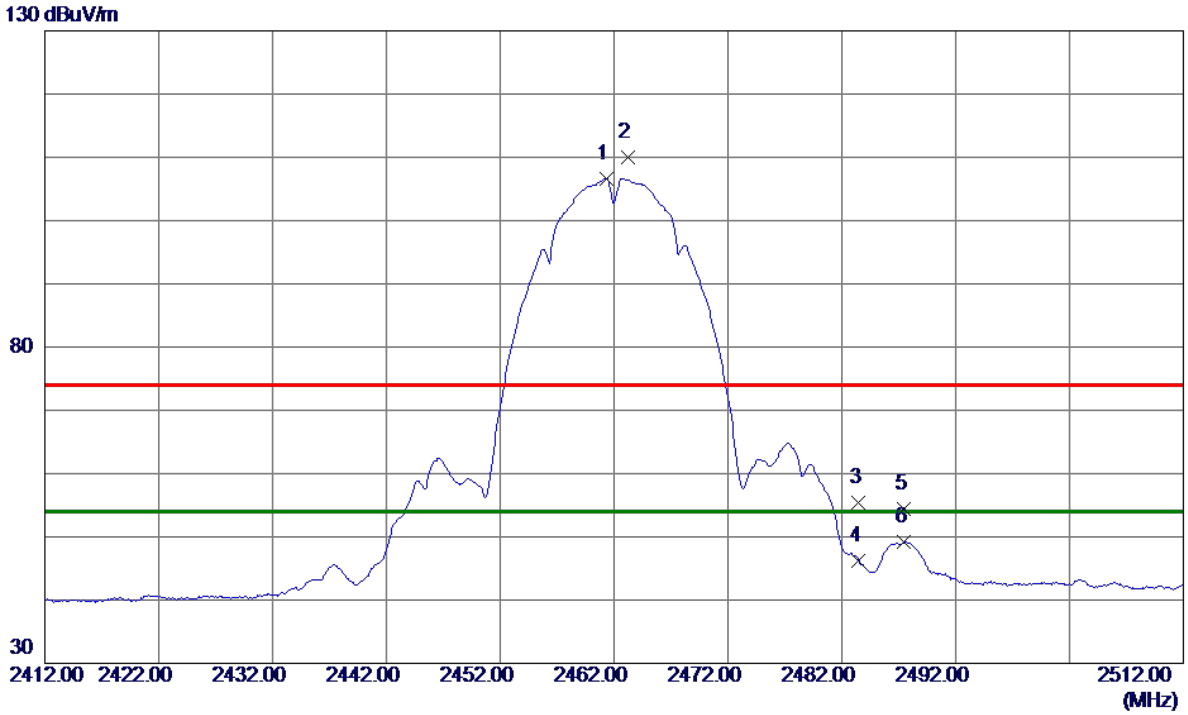
Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.8400	48.52	4.14	52.66	74.00	-21.34	Peak	
2 *	4873.9800	45.85	4.14	49.99	54.00	-4.01	AVG	

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

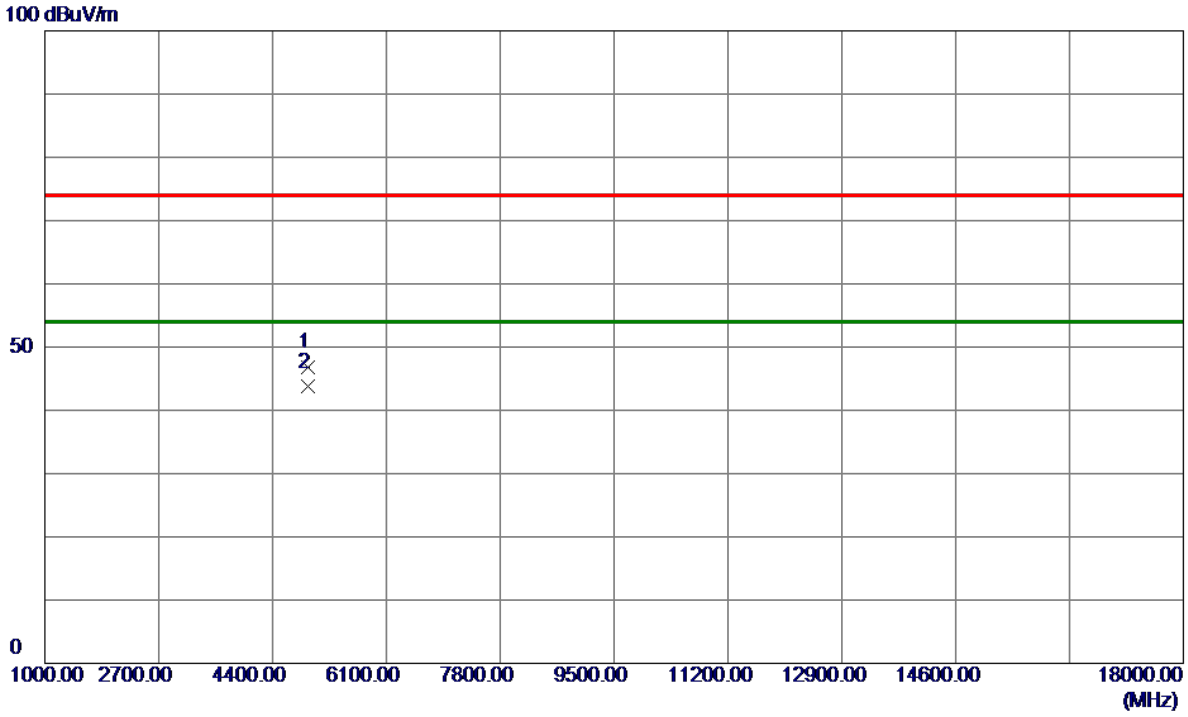
Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2461.3000	97.84	8.84	106.68	54.00	52.68	AVG	No Limit
2	2463.2000	101.19	8.84	110.03	74.00	36.03	Peak	No Limit
3	2483.5000	46.55	8.89	55.44	74.00	-18.56	Peak	
4	2483.5000	37.29	8.89	46.18	54.00	-7.82	AVG	
5	2487.5000	45.49	8.90	54.39	74.00	-19.61	Peak	
6	2487.5000	40.23	8.90	49.13	54.00	-4.87	AVG	

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

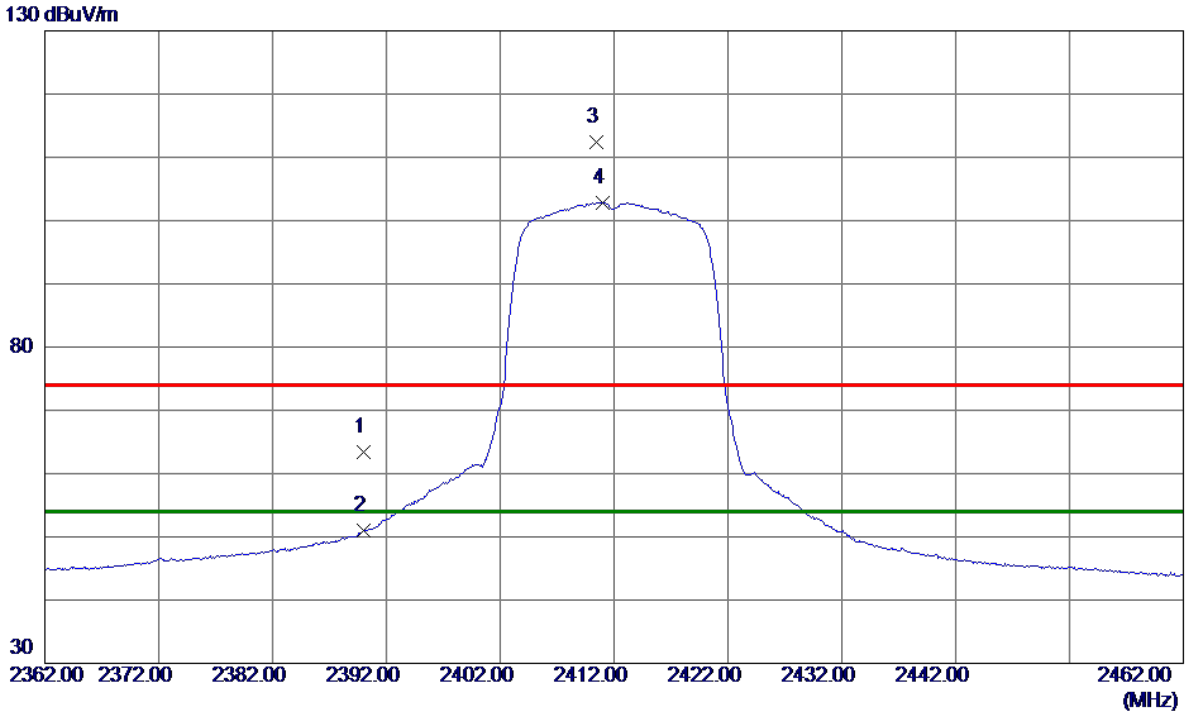
Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4923.8000	42.63	4.21	46.84	74.00	-27.16	Peak	
2 *	4924.0000	39.49	4.21	43.70	54.00	-10.30	AVG	

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

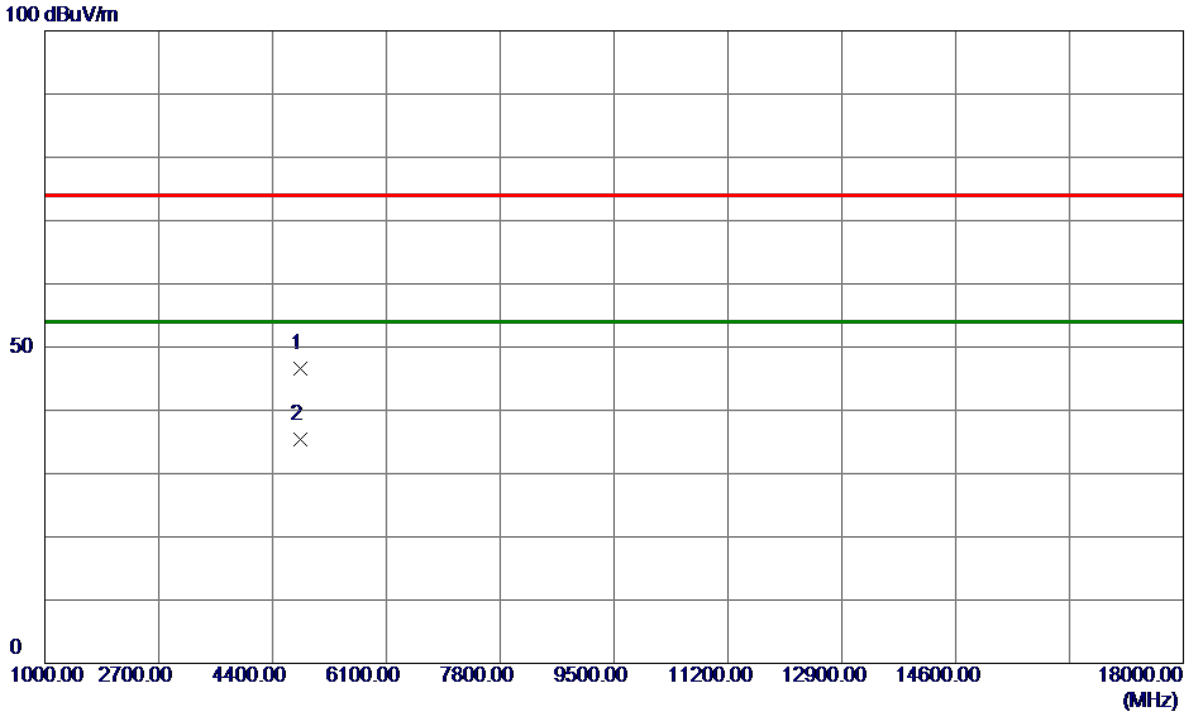
Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	54.70	8.66	63.36	74.00	-10.64	Peak	
2	2390.0000	42.30	8.66	50.96	54.00	-3.04	AVG	
3	2410.4000	103.73	8.71	112.44	74.00	38.44	Peak	No Limit
4 *	2411.0000	94.11	8.72	102.83	54.00	48.83	AVG	No Limit

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

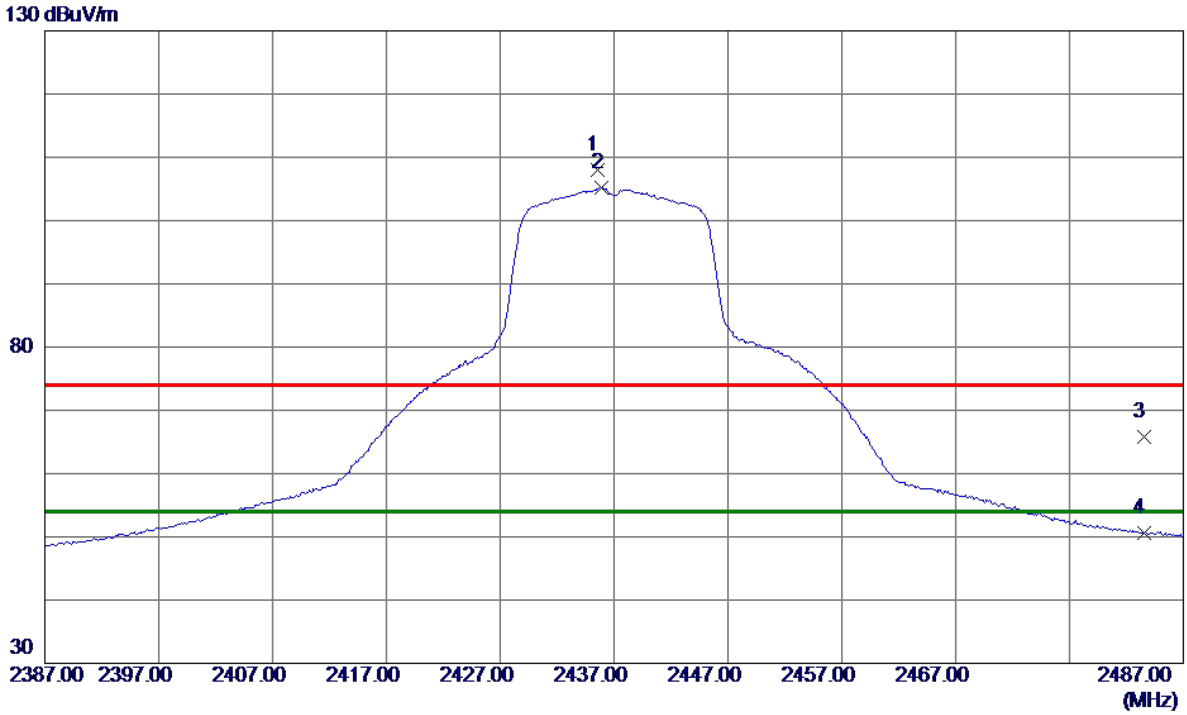
Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4822.8800	42.46	4.07	46.53	74.00	-27.47	Peak	
2 *	4823.5800	31.31	4.07	35.38	54.00	-18.62	AVG	

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

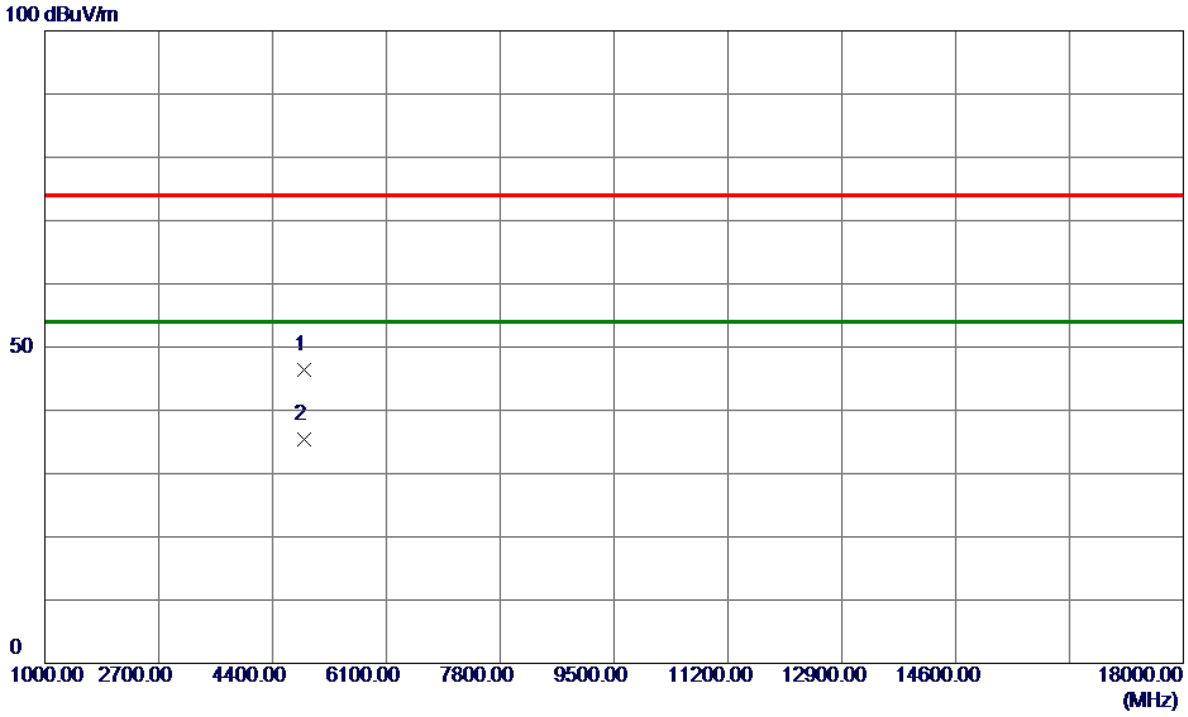
Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2435.5000	99.24	8.78	108.02	74.00	34.02	Peak	No Limit
2 *	2435.9000	96.40	8.78	105.18	54.00	51.18	AVG	No Limit
3	2483.5000	56.89	8.89	65.78	74.00	-8.22	Peak	
4	2483.5000	41.63	8.89	50.52	54.00	-3.48	AVG	

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

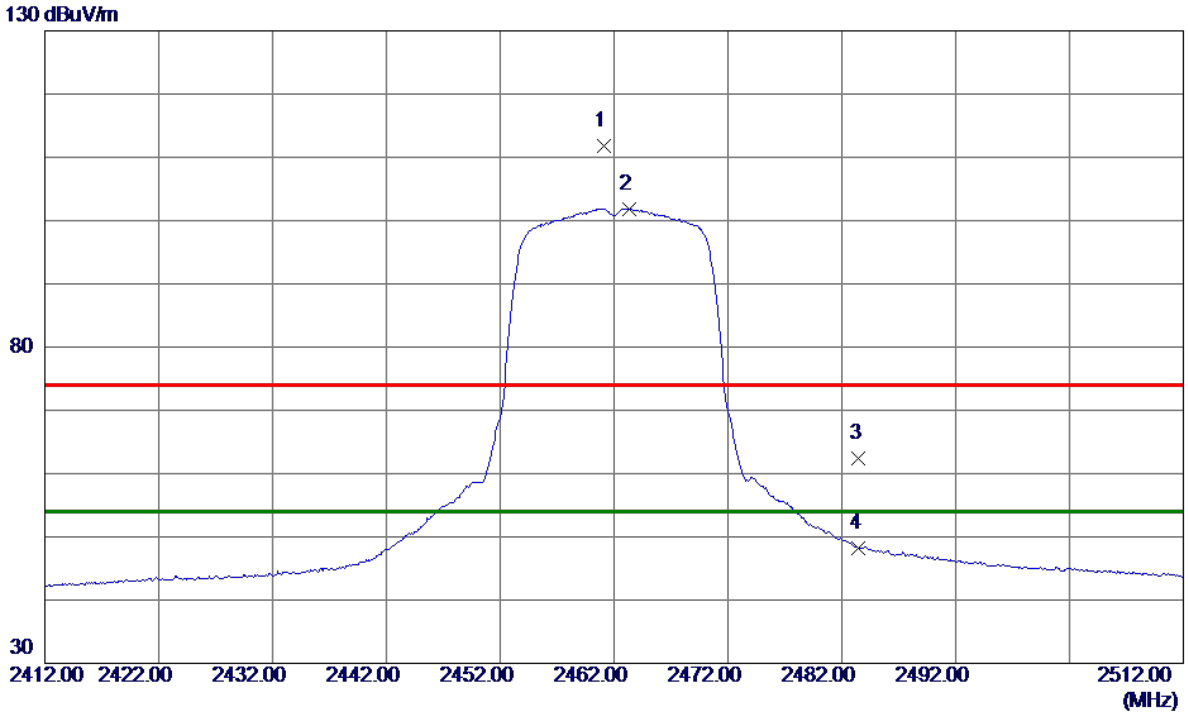
Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4870.4600	42.32	4.14	46.46	74.00	-27.54	Peak	
2 *	4873.6600	31.26	4.14	35.40	54.00	-18.60	AVG	

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

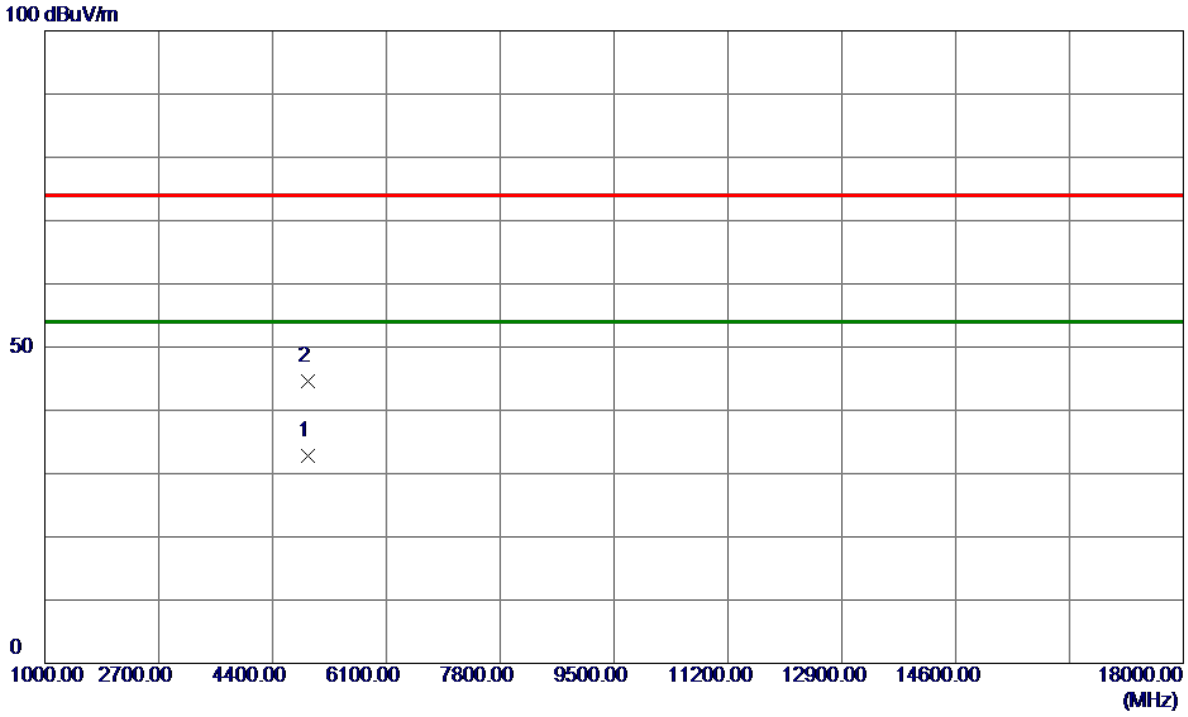
Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2461.1000	102.93	8.84	111.77	74.00	37.77	Peak	No Limit
2 *	2463.3000	93.01	8.84	101.85	54.00	47.85	AVG	No Limit
3	2483.5000	53.56	8.89	62.45	74.00	-11.55	Peak	
4	2483.5000	39.29	8.89	48.18	54.00	-5.82	AVG	

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

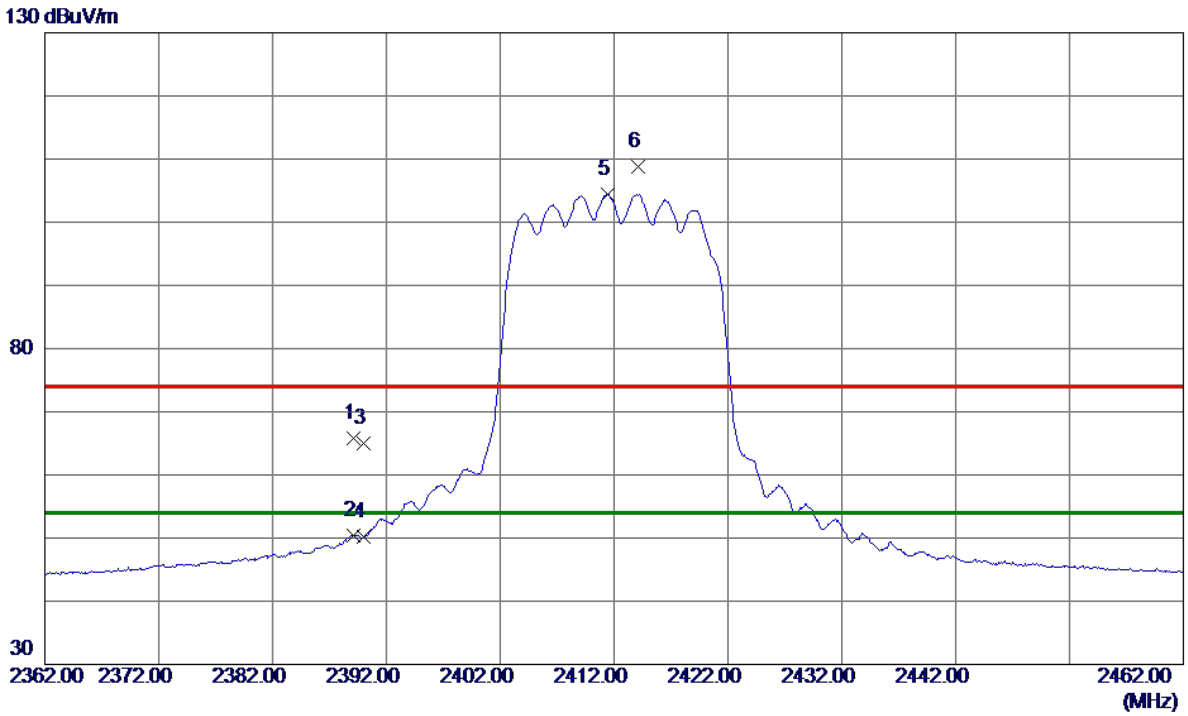
Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4925.2000	28.59	4.22	32.81	54.00	-21.19	AVG	
2	4927.6000	40.39	4.22	44.61	74.00	-29.39	Peak	

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

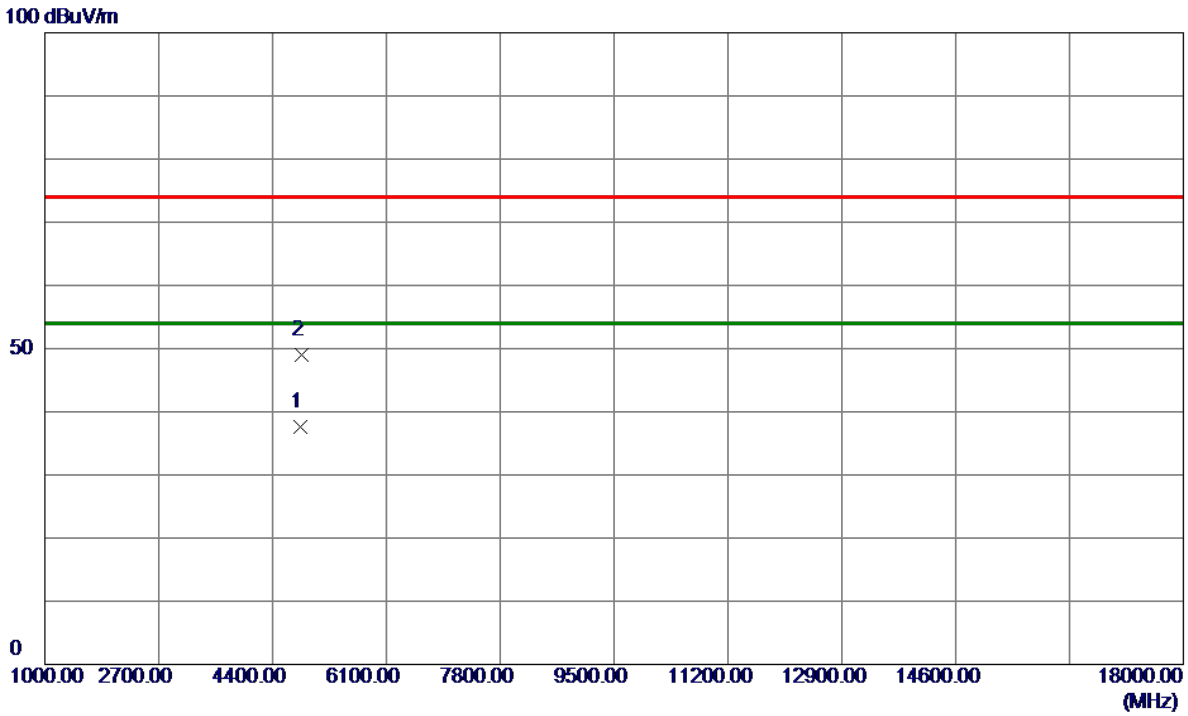
Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389.1000	57.12	8.66	65.78	74.00	-8.22	Peak	
2	2389.1000	41.83	8.66	50.49	54.00	-3.51	AVG	
3	2390.0000	56.41	8.66	65.07	74.00	-8.93	Peak	
4	2390.0000	41.46	8.66	50.12	54.00	-3.88	AVG	
5 *	2411.4000	95.64	8.72	104.36	54.00	50.36	AVG	No Limit
6	2414.1000	100.17	8.72	108.89	74.00	34.89	Peak	No Limit

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

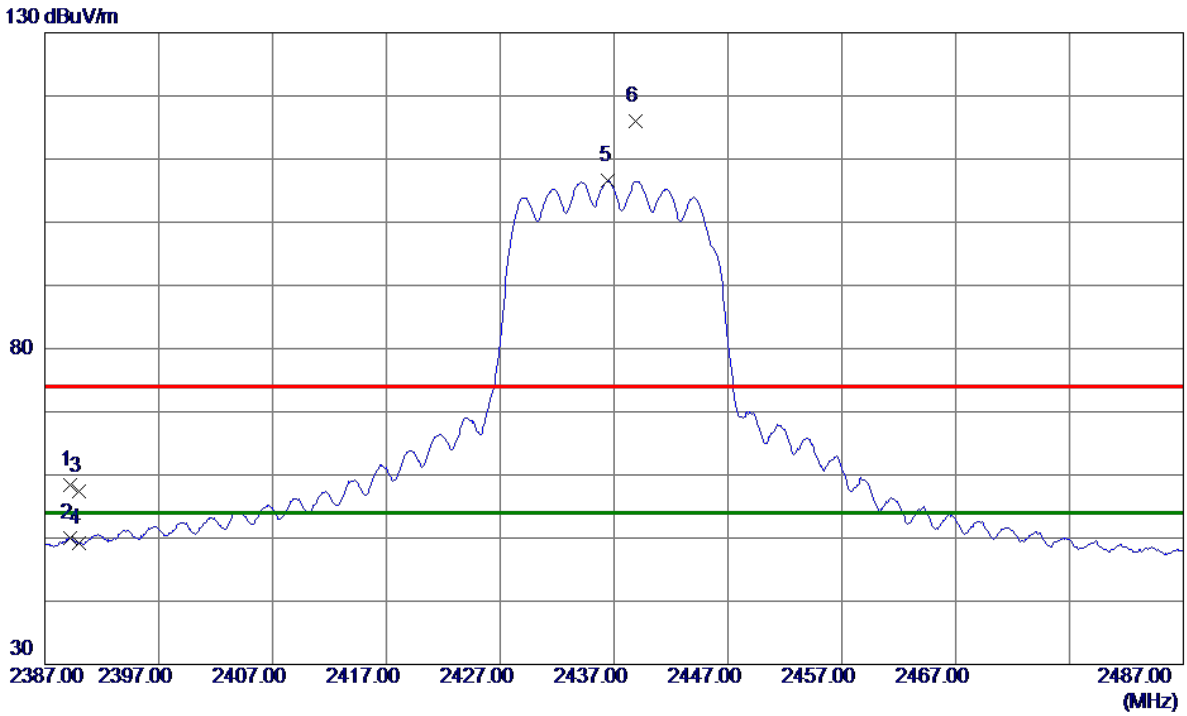
Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4823.6200	33.56	4.07	37.63	54.00	-16.37	AVG	
2	4825.9600	44.84	4.08	48.92	74.00	-25.08	Peak	

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

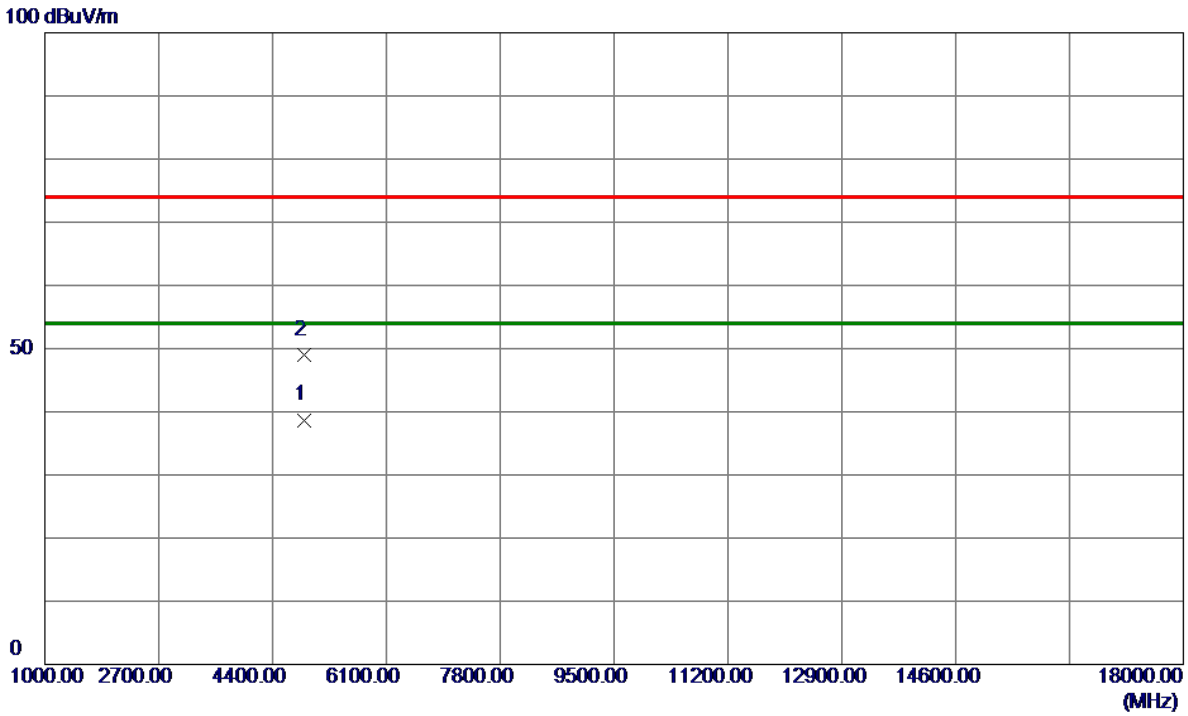
Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389.2000	49.72	8.66	58.38	74.00	-15.62	Peak	
2	2389.2000	41.29	8.66	49.95	54.00	-4.05	AVG	
3	2390.0000	48.74	8.66	57.40	74.00	-16.60	Peak	
4	2390.0000	40.46	8.66	49.12	54.00	-4.88	AVG	
5 *	2436.5000	97.73	8.78	106.51	54.00	52.51	AVG	No Limit
6	2438.9000	107.12	8.78	115.90	74.00	41.90	Peak	No Limit

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

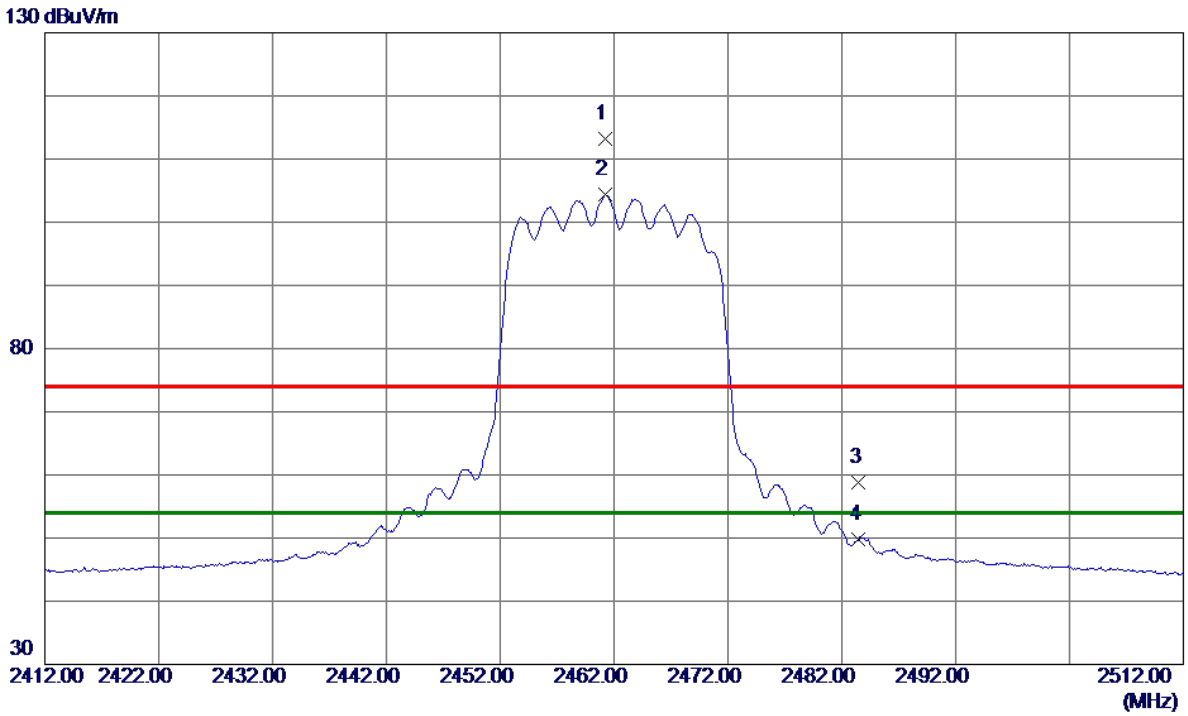
Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4876.2500	34.55	4.15	38.70	54.00	-15.30	AVG	
2	4876.8000	44.78	4.15	48.93	74.00	-25.07	Peak	

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

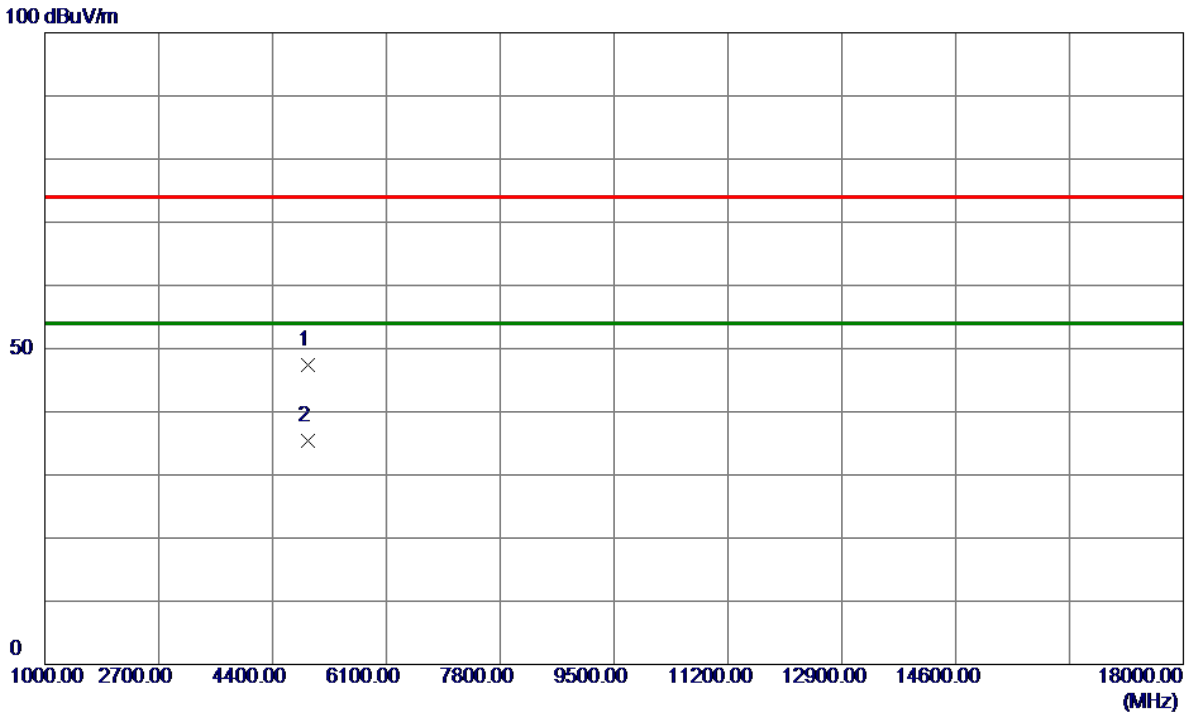
Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2461.2000	104.39	8.84	113.23	74.00	39.23	Peak	No Limit
2 *	2461.2000	95.49	8.84	104.33	54.00	50.33	AVG	No Limit
3	2483.5000	49.84	8.89	58.73	74.00	-15.27	Peak	
4	2483.5000	40.90	8.89	49.79	54.00	-4.21	AVG	

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

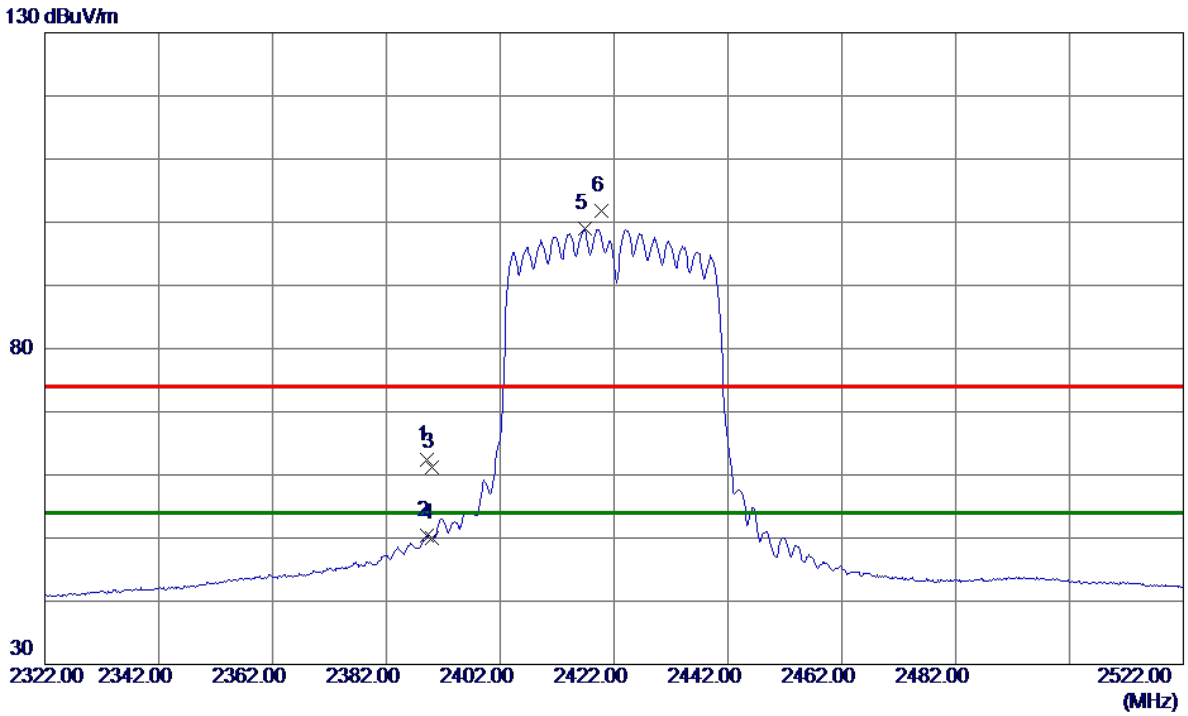
Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4921.6000	43.18	4.21	47.39	74.00	-26.61	Peak	
2 *	4923.8000	31.28	4.21	35.49	54.00	-18.51	AVG	

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

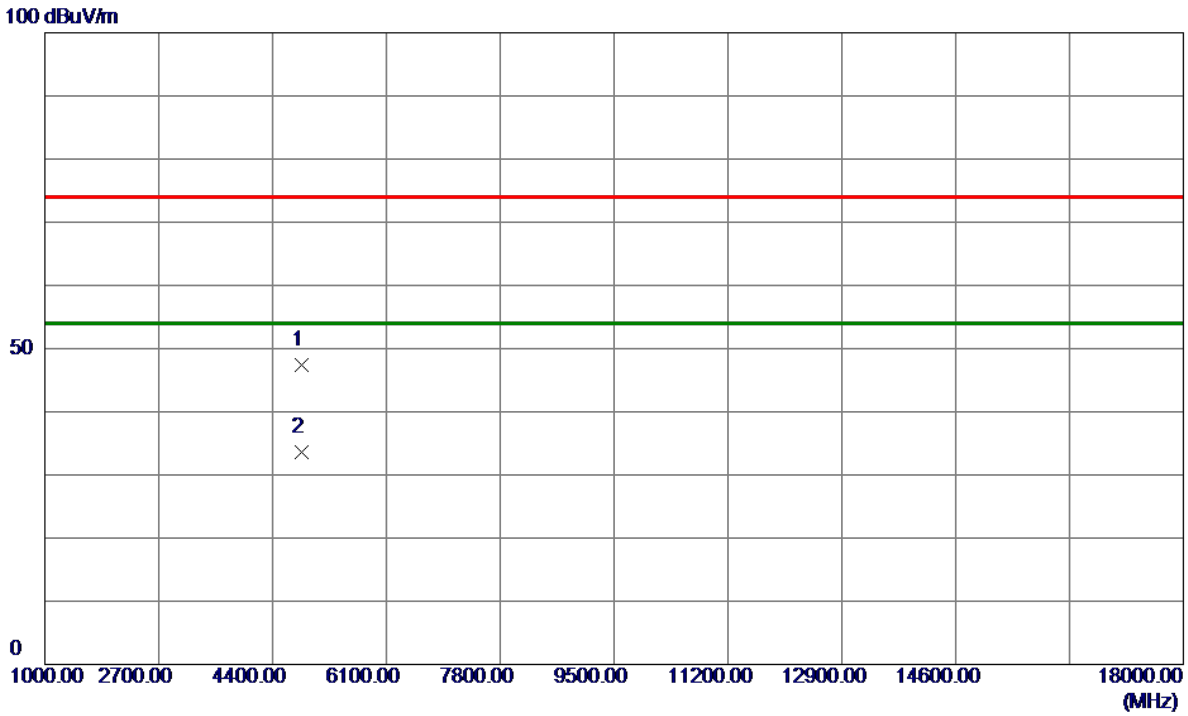
Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389.2000	53.76	8.66	62.42	74.00	-11.58	Peak	
2	2389.2000	41.72	8.66	50.38	54.00	-3.62	AVG	
3	2390.0000	52.57	8.66	61.23	74.00	-12.77	Peak	
4	2390.0000	41.29	8.66	49.95	54.00	-4.05	AVG	
5 *	2416.8000	90.36	8.73	99.09	54.00	45.09	AVG	No Limit
6	2419.8000	93.04	8.74	101.78	74.00	27.78	Peak	No Limit

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

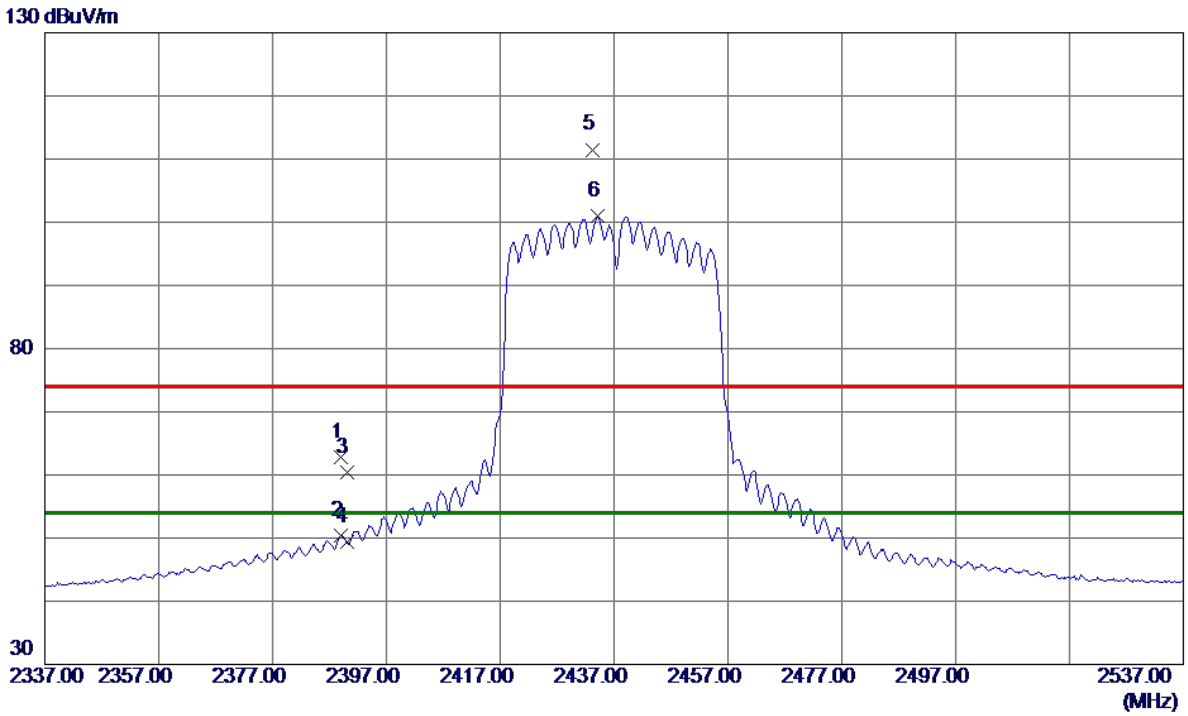
Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4840.5000	43.33	4.10	47.43	74.00	-26.57	Peak	
2 *	4843.8000	29.59	4.10	33.69	54.00	-20.31	AVG	

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

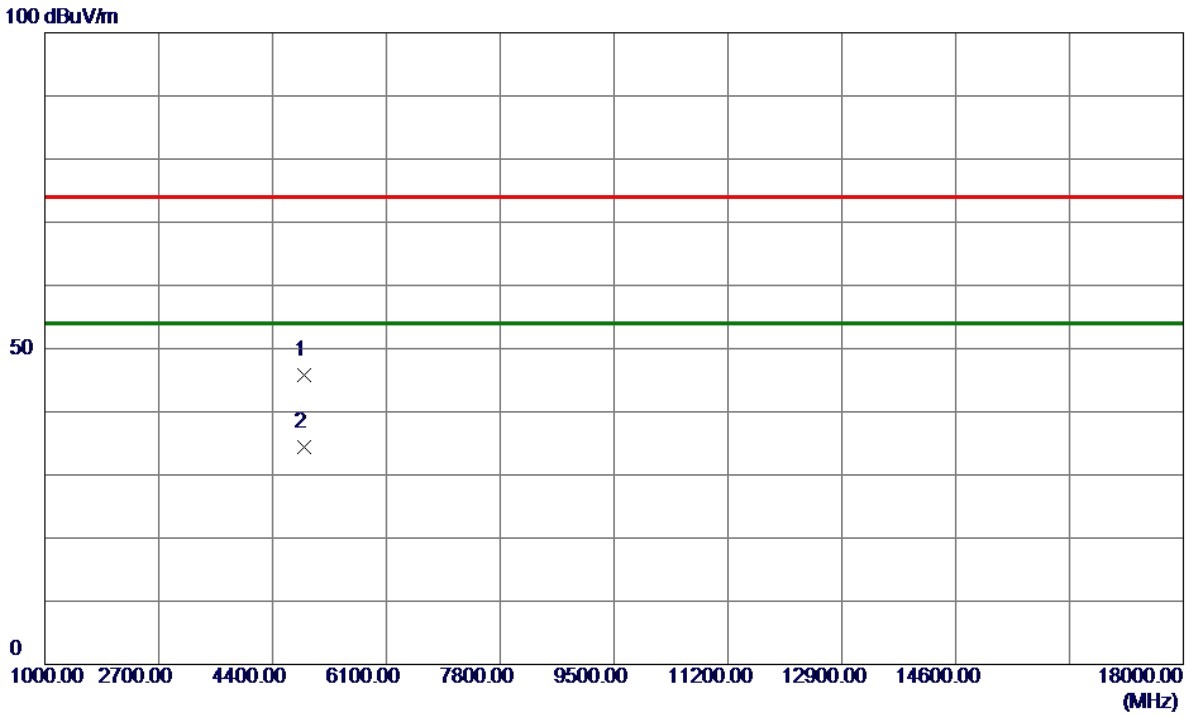
Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2389.0000	54.18	8.66	62.84	74.00	-11.16	Peak	
2	2389.0000	41.77	8.66	50.43	54.00	-3.57	AVG	
3	2390.0000	51.79	8.66	60.45	74.00	-13.55	Peak	
4	2390.0000	40.74	8.66	49.40	54.00	-4.60	AVG	
5	2433.2000	102.73	8.77	111.50	74.00	37.50	Peak	No Limit
6 *	2434.2000	92.16	8.77	100.93	54.00	46.93	AVG	No Limit

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

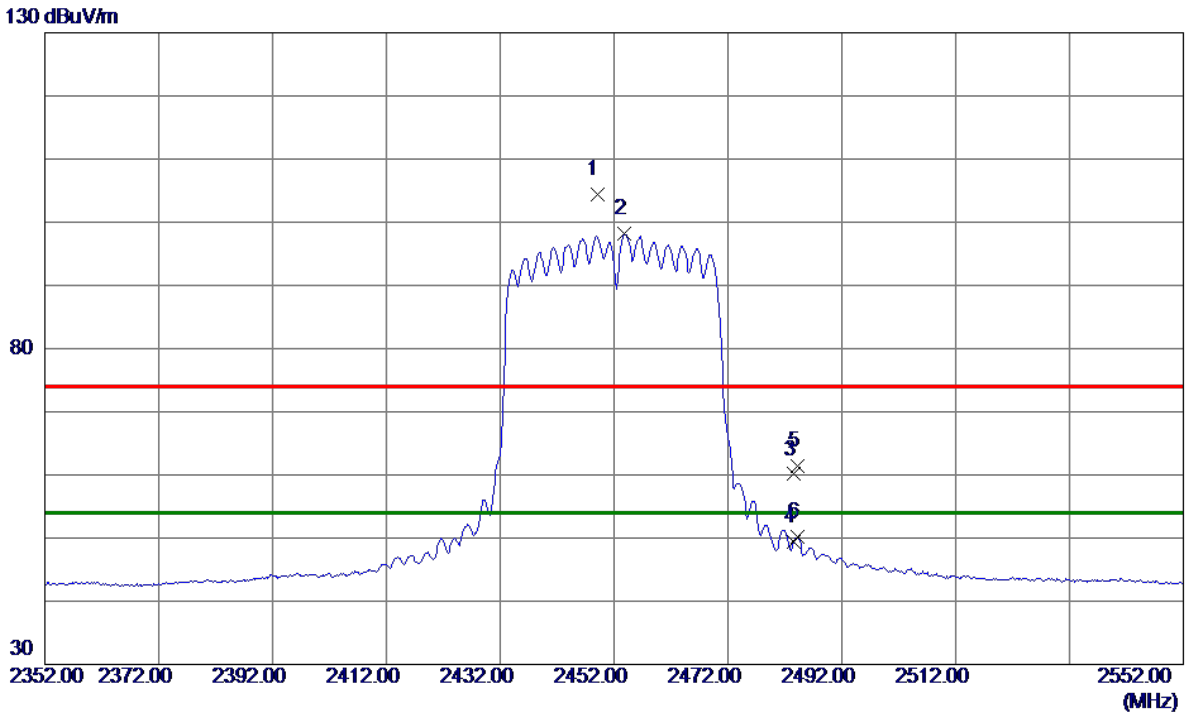
Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4867.8500	41.70	4.13	45.83	74.00	-28.17	Peak	
2 *	4868.6500	30.18	4.14	34.32	54.00	-19.68	AVG	

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

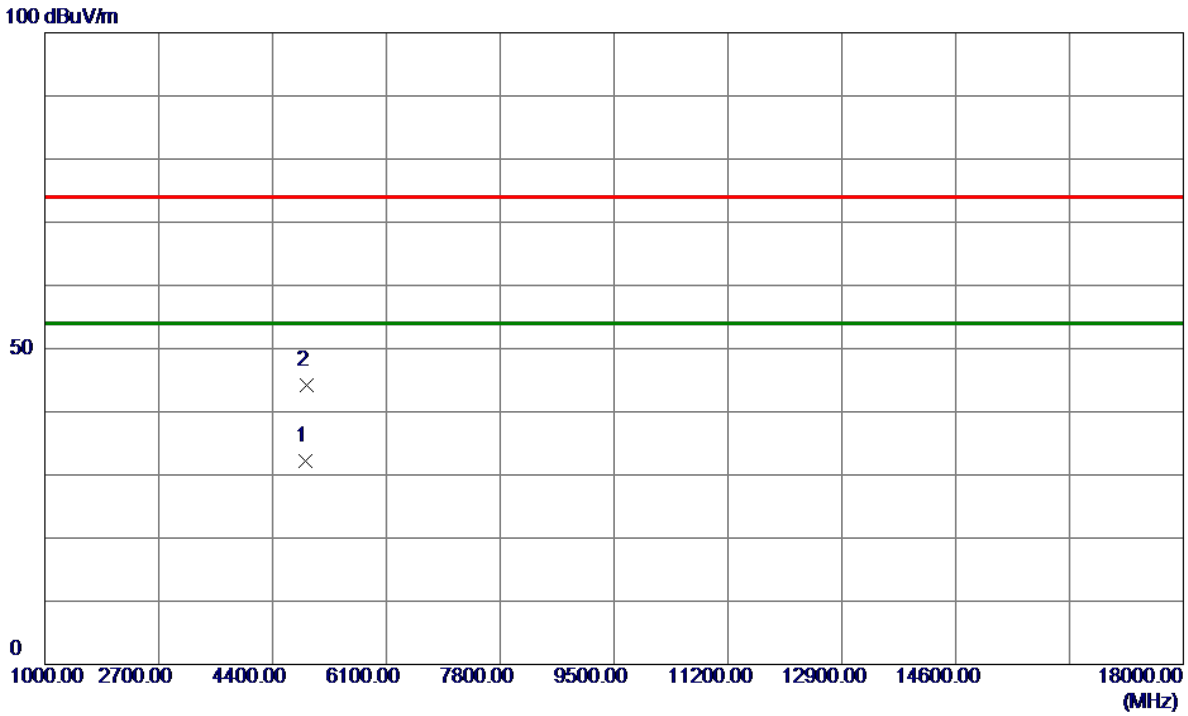
Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2449.0000	95.61	8.81	104.42	74.00	30.42	Peak	No Limit
2 *	2453.8000	89.34	8.82	98.16	54.00	44.16	AVG	No Limit
3	2483.5000	51.21	8.89	60.10	74.00	-13.90	Peak	
4	2483.5000	40.52	8.89	49.41	54.00	-4.59	AVG	
5	2484.2000	52.44	8.90	61.34	74.00	-12.66	Peak	
6	2484.2000	41.26	8.90	50.16	54.00	-3.84	AVG	

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

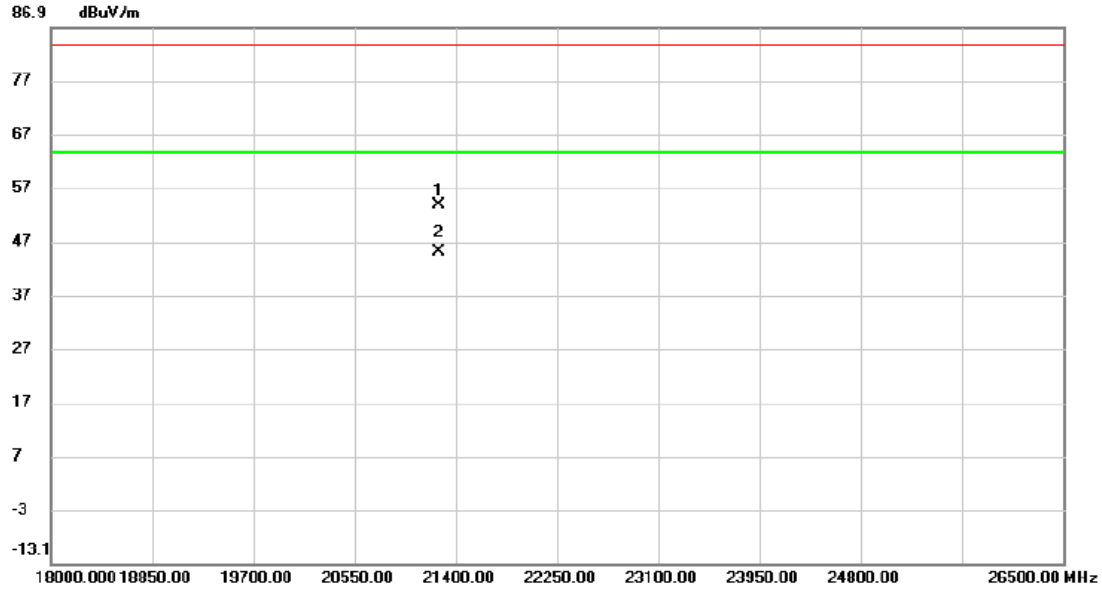
Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4896.3000	28.08	4.17	32.25	54.00	-21.75	AVG	
2	4906.3000	40.08	4.19	44.27	74.00	-29.73	Peak	

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

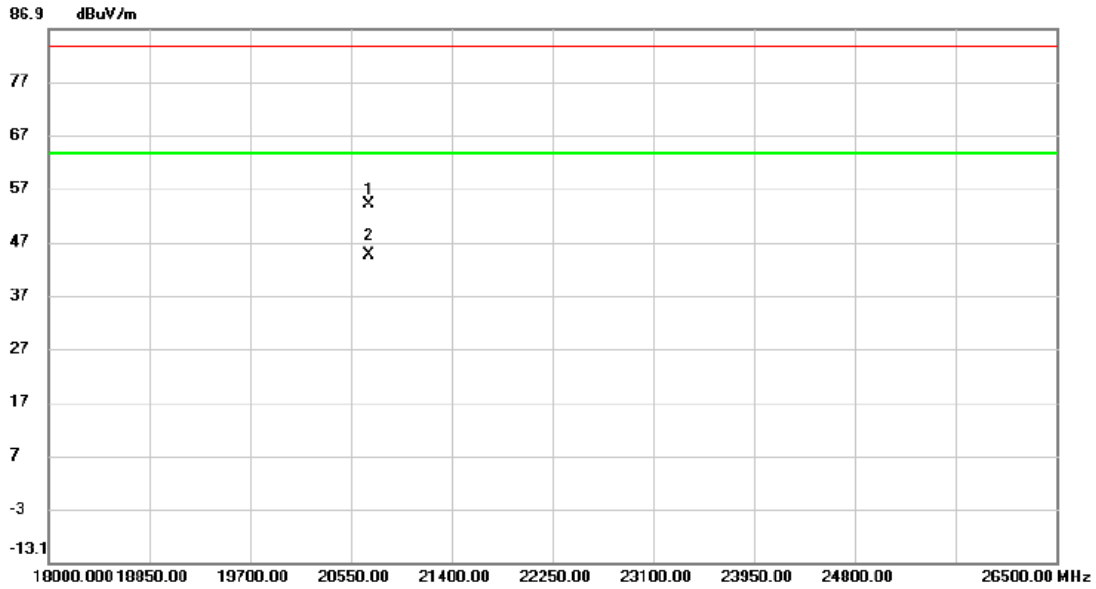
Test Mode	TX B Mode 2437 MHz	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		21255.500	50.50	3.32	53.82	83.50	-29.68	peak	
2	*	21255.500	41.62	3.32	44.94	63.50	-18.56	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.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		20703.000	50.87	3.26	54.13	83.50	-29.37	peak	
2	*	20703.000	41.32	3.26	44.58	63.50	-18.92	AVG	

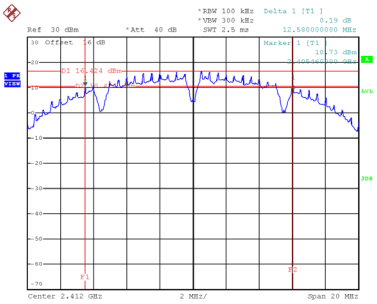
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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	12.580	34.080	0.5	Complies
06	2437	11.080	34.080	0.5	Complies
11	2462	12.600	34.000	0.5	Complies

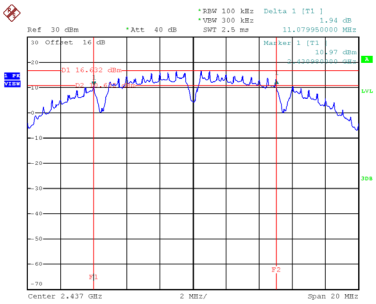
CH01



Date: 3.MAR.2025 10:36:19

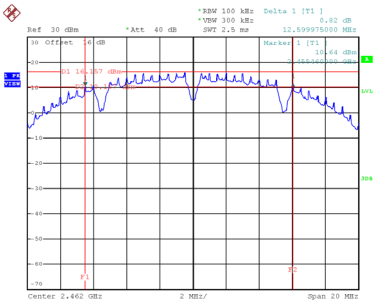
CH06

6 dB Bandwidth



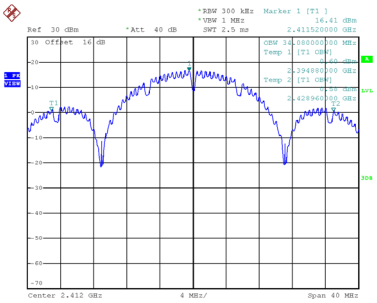
Date: 3.MAR.2025 10:44:06

CH11

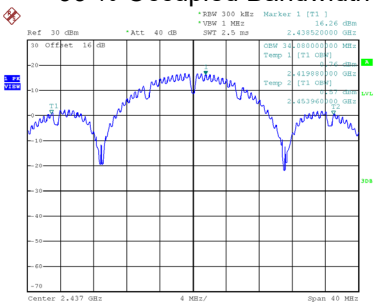


Date: 3.MAR.2025 11:20:46

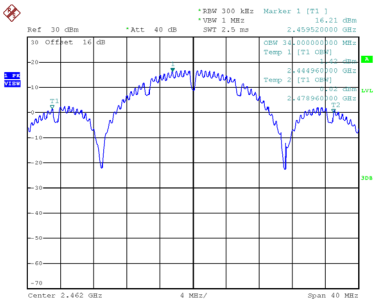
99 % Occupied Bandwidth



Date: 3.MAR.2025 10:36:27



Date: 3.MAR.2025 10:44:13

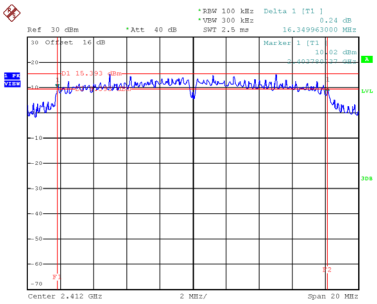


Date: 3.MAR.2025 11:20:55

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	37.920	0.5	Complies
06	2437	16.380	37.920	0.5	Complies
11	2462	16.360	37.800	0.5	Complies

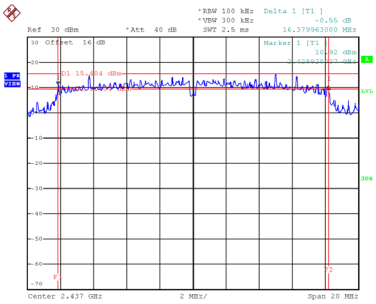
CH01



Date: 3.MAR.2025 11:26:59

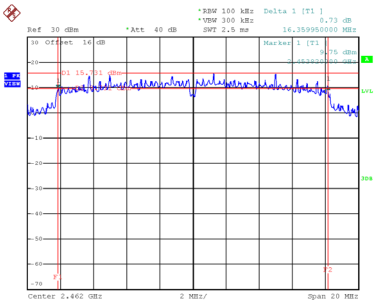
CH06

6 dB Bandwidth



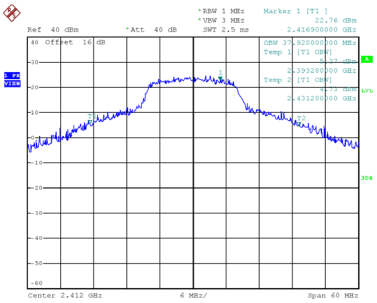
Date: 3.MAR.2025 11:29:23

CH11

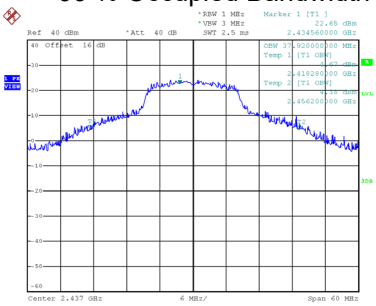


Date: 3.MAR.2025 11:30:16

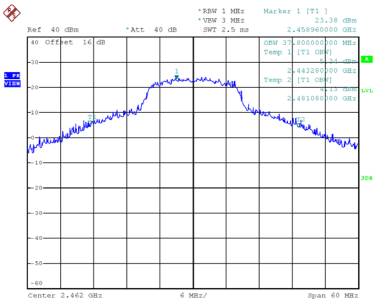
99 % Occupied Bandwidth



Date: 3.MAR.2025 11:44:44



Date: 3.MAR.2025 11:44:58

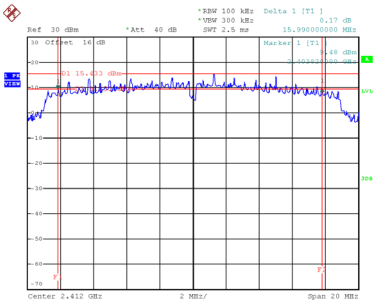


Date: 3.MAR.2025 11:45:13

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	15.990	32.800	0.5	Complies
06	2437	17.000	33.500	0.5	Complies
11	2462	16.590	32.800	0.5	Complies

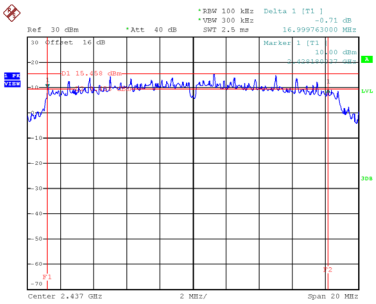
CH01



Date: 3.MAR.2025 13:52:47

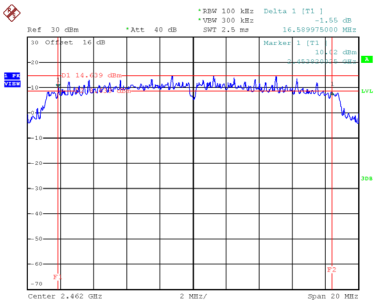
CH06

6 dB Bandwidth



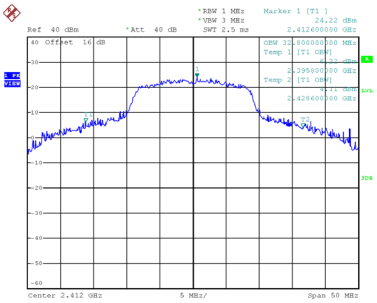
Date: 3.MAR.2025 13:55:57

CH11

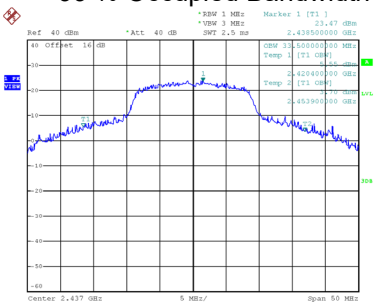


Date: 3.MAR.2025 13:56:41

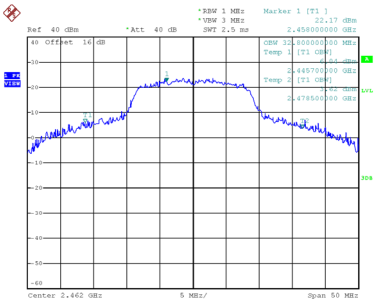
99 % Occupied Bandwidth



Date: 3.MAR.2025 14:11:25



Date: 3.MAR.2025 14:10:15

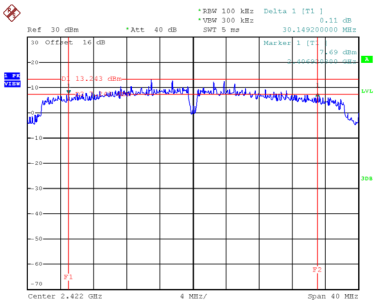


Date: 3.MAR.2025 14:08:35

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	30.149	78.240	0.5	Complies
06	2437	30.150	78.720	0.5	Complies
09	2452	31.320	77.280	0.5	Complies

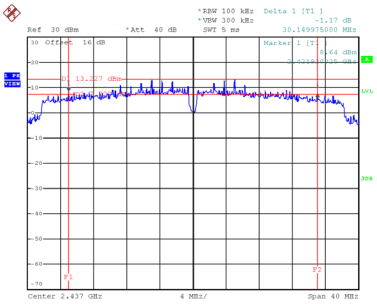
CH03



Date: 3.MAR.2025 17:34:25

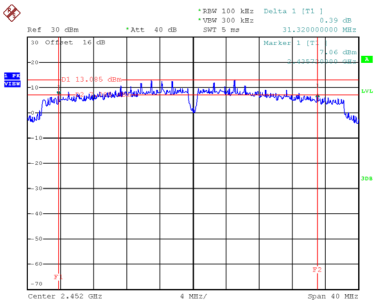
CH06

6 dB Bandwidth



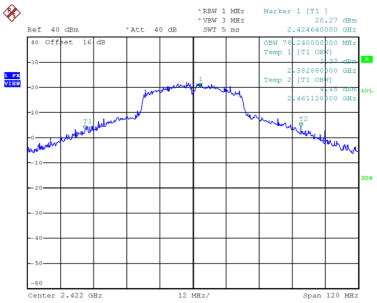
Date: 3.MAR.2025 16:17:22

CH09

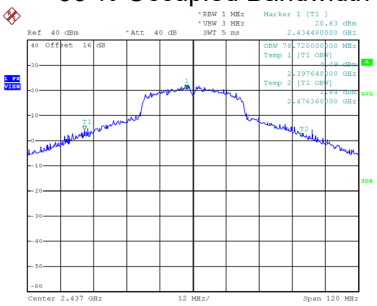


Date: 3.MAR.2025 16:17:54

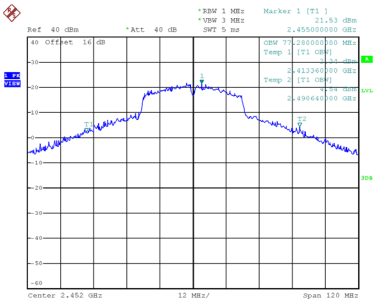
99 % Occupied Bandwidth



Date: 3.MAR.2025 16:34:44



Date: 3.MAR.2025 16:35:45



Date: 3.MAR.2025 16:27:47

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	21.06	0.00	21.06	30.00	1.0000	Complies
06	2437	24.79	0.00	24.79	30.00	1.0000	Complies
11	2462	19.23	0.00	19.23	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	20.54	0.00	20.54	30.00	1.0000	Complies
06	2437	23.20	0.00	23.20	30.00	1.0000	Complies
11	2462	19.19	0.00	19.19	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	23.82	30.00	1.0000	Complies
06	2437	27.08	30.00	1.0000	Complies
11	2462	22.22	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	17.79	0.14	17.93	30.00	1.0000	Complies
06	2437	23.38	0.14	23.52	30.00	1.0000	Complies
11	2462	18.03	0.14	18.17	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	17.54	0.14	17.68	30.00	1.0000	Complies
06	2437	23.10	0.14	23.24	30.00	1.0000	Complies
11	2462	17.75	0.14	17.89	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	20.81	30.00	1.0000	Complies
06	2437	26.39	30.00	1.0000	Complies
11	2462	21.04	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	16.87	0.15	17.02	30.00	1.0000	Complies
06	2437	18.64	0.15	18.79	30.00	1.0000	Complies
11	2462	16.46	0.15	16.61	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	16.38	0.15	16.53	30.00	1.0000	Complies
06	2437	18.65	0.15	18.80	30.00	1.0000	Complies
11	2462	16.63	0.15	16.78	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	19.79	30.00	1.0000	Complies
06	2437	21.80	30.00	1.0000	Complies
11	2462	19.70	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	14.69	0.29	14.98	30.00	1.0000	Complies
06	2437	16.51	0.29	16.80	30.00	1.0000	Complies
09	2452	14.53	0.29	14.82	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	14.72	0.29	15.01	30.00	1.0000	Complies
06	2437	16.63	0.29	16.92	30.00	1.0000	Complies
09	2452	14.42	0.29	14.71	30.00	1.0000	Complies

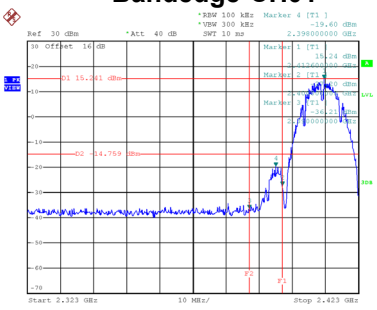
Test Mode	TX N(HT40) Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	18.00	30.00	1.0000	Complies
06	2437	19.87	30.00	1.0000	Complies
09	2452	17.77	30.00	1.0000	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

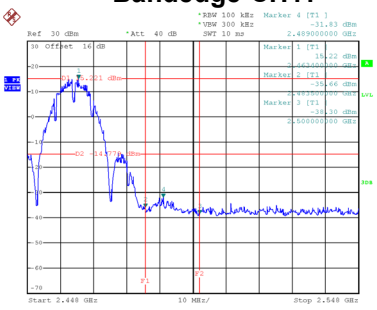
Test Mode	TX B Mode_Ant. 1

Bandedge-CH01



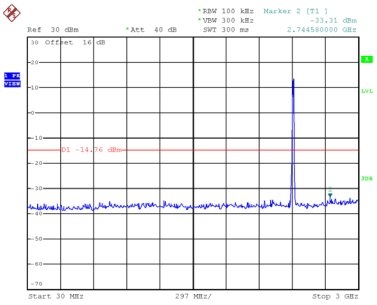
Date: 3.MAR.2025 11:21:58

Bandedge-CH11

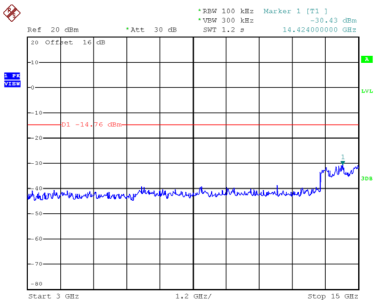


Date: 3.MAR.2025 11:23:25

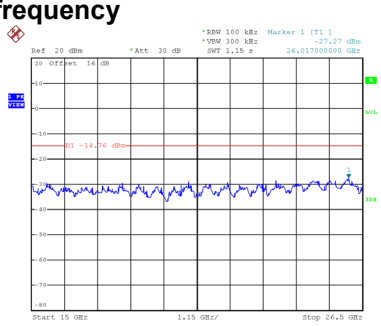
CH01 – 10th Harmonic of the fundamental frequency



Date: 3.MAR.2025 11:22:12



Date: 3.MAR.2025 11:24:45



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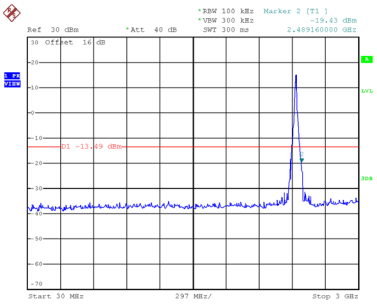
CH06 – 10th Harmonic of the fundamental frequency



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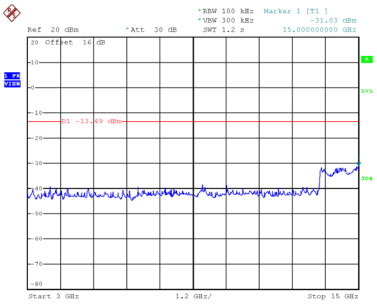

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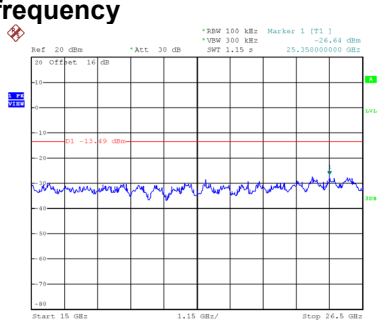

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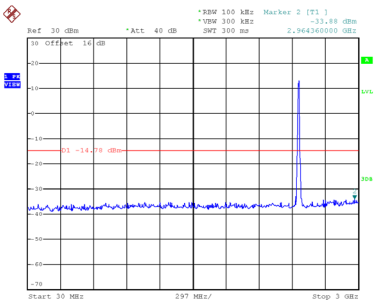
CH11 – 10th Harmonic of the fundamental frequency



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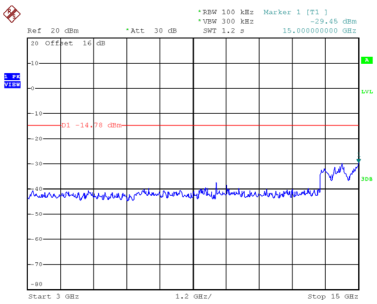

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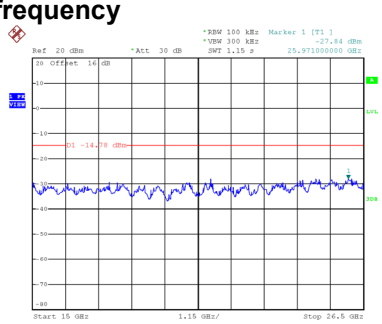

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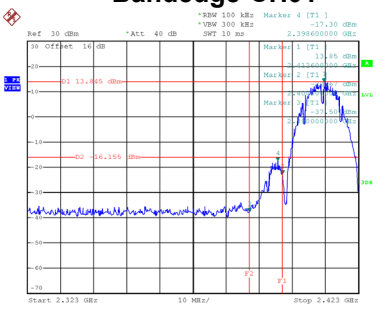

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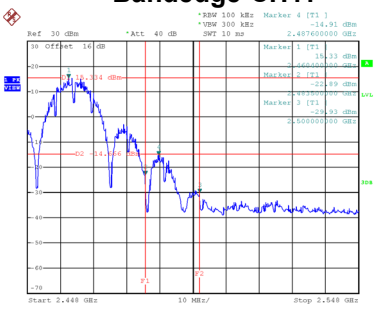

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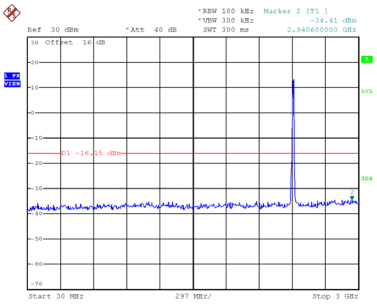
CH01 – 10th Harmonic of the fundamental frequency



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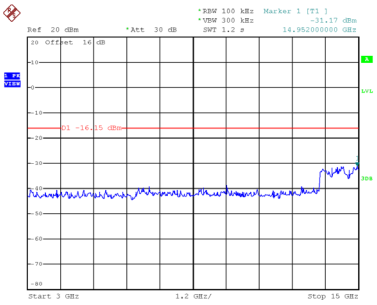

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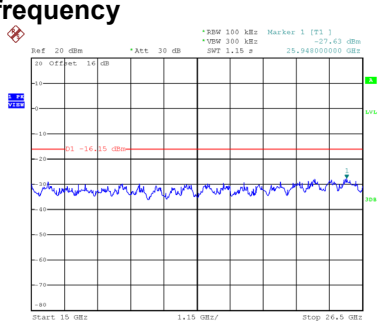

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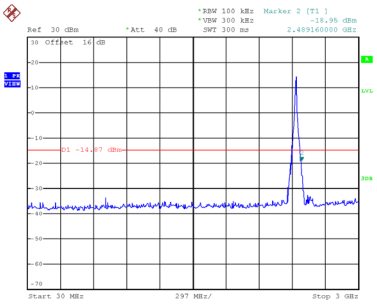
CH06 – 10th Harmonic of the fundamental frequency



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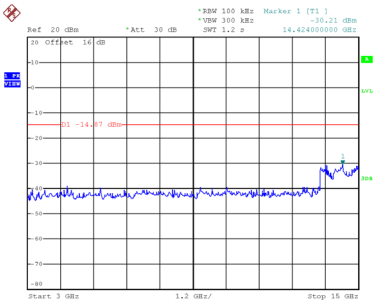

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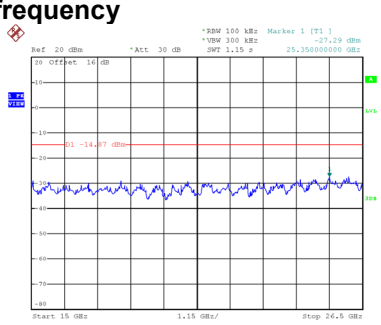

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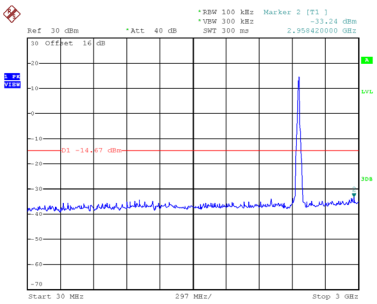
CH11 – 10th Harmonic of the fundamental frequency



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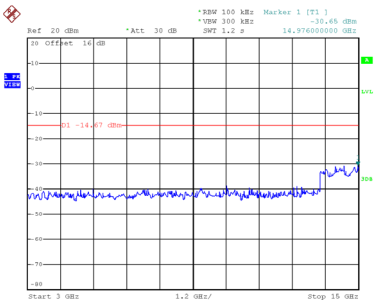

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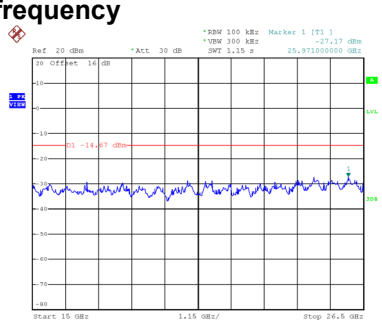

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