



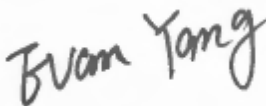
# FCC Radio Test Report

## FCC ID: 2AIMRRD23

**This report concerns: Original Grant**

**Project No.** : 2311C059  
**Equipment** : Xiaomi Router AX3000T  
**Brand Name** : Xiaomi  
**Test Model** : RD23  
**Series Model** : N/A  
**Applicant** : Beijing Xiaomi Electronics Co., Ltd.  
**Address** : #802, 8th Floor, Building 5, No. 15 10th Kechuang Street, Beijing Economic-Technological Development Area, Beijing, China, 100176  
**Manufacturer** : Beijing Xiaomi Electronics Co., Ltd.  
**Address** : #802, 8th Floor, Building 5, No. 15 10th Kechuang Street, Beijing Economic-Technological Development Area, Beijing, China, 100176  
**Factory** : Shenzhen MTC Digital Technology Co., Ltd  
**Address** : 2F Building 3,6F,2F, Building 2, MTC Industry Park, Xialilang community, Nanwan street, Longgang district, Shenzhen, China  
**Date of Receipt** : Dec. 05, 2023  
**Date of Test** : Dec. 06, 2023 ~ Jan. 20, 2024  
**Issued Date** : Mar. 29, 2024  
**Report Version** : R00  
**Test Sample** : Engineering Sample No.: DG2023120583 for conducted emissions, radiated emissions below 1GHz, DG202401088 for radiated emissions above 1GHz, DG2023120582 for output power, DG20231228117 for other conducted.  
**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** :   
 Evan Yang

**Approved by** :   
 Welly Zhou

Room 108, Building 2, No. 1, Yile Road, Songshan Lake Zone, Dongguan City, Guangdong 523000 China

Tel: +86-769-8318-3000 Web: [www.newbtl.com](http://www.newbtl.com) Service mail: [btl\\_qa@newbtl.com](mailto:btl_qa@newbtl.com)

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

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

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

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

**Limitation**

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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**REPORT ISSUED HISTORY**

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2311C059	R00	Original Report.	Mar. 29, 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:

For other conducted items:

Room 108, Building 2, No. 1, Yile Road, Songshan Lake Zone, Dongguan City, Guangdong 523000.

BTL's Registration Number for FCC: 568794

BTL's Designation Number for FCC: CN5041

For conducted emissions, radiated emissions, output power and IEEE 802.11n(HT20) Mode's 6dB bandwidth items:

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 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-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
AC Power Line Conducted Emissions	24°C	50%	AC 120V/60Hz	Hayden Chen
Radiated Emissions-9kHz to 30 MHz	22°C	48%	AC 120V/60Hz	Hayden Chen
Radiated Emissions-30MHz to 1000MHz	23°C	47%	AC 120V/60Hz	Max Wang
Radiated Emissions-Above 1000MHz	24°C	42-51%	AC 120V/60Hz	Berton Luo Max Wang Allen Tong
Bandwidth	23-26°C	49-67%	DC 12V	Parker Yang Tember Zhuang
Maximum Output Power	22°C	53%	DC 12V	Oliver Wang
Conducted Spurious Emissions	24°C	67%	DC 12V	Tember Zhuang
Power Spectral Density	23-25°C	49-67%	DC 12V	Tember Zhuang

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

Equipment	Xiaomi Router AX3000T
Brand Name	Xiaomi
Test Model	RD23
Series Model	N/A
Model Difference(s)	N/A
Hardware Version	R0106
Software Version	1.0.10
Power Source	DC voltage supplied from AC adapter. Model: AD-0121200100US-5
Power Rating	I/P: 100-240V~ 50/60Hz 0.5A    O/P: 12V  1A
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 Peak Output Power	IEEE 802.11n(HT20): 29.89 dBm (0.9750 W)
Maximum Average Output Power	IEEE 802.11b: 24.25 dBm (0.2661 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	P/N	Antenna Type	Connector	Gain (dBi)
1	 South star	3.N102.1050	Dipole	N/A	5.02
2	 South star	3.N102.1053	Dipole	N/A	5.24

Note:

This EUT supports SISO / CDD, and all antenna gains are not equal, Directional gain =  $G_{ANT} + \text{Array Gain}$ .

For power measurements, Array Gain=0dB ( $N_{ANT} \leq 4$ ), so the Directional gain=5.24.

For power spectral density measurements,  $N_{ANT}=2$ ,  $N_{SS} = 1$ .

So the Directional gain= $G_{ANT} + \text{Array Gain} = G_{ANT} + 10\log(N_{ANT}/N_{SS})\text{dBi} = 5.24 + 10\log(2/1)\text{dBi} = 8.25$ .

Then, the power spectral density limit is  $8 - (8.25 - 6) = 5.75$ .

## 4. Table for Antenna Configuration:

Operating Mode	TX Mode	1TX	2TX
IEEE 802.11b		V (Ant. 1)	-
IEEE 802.11g		V (Ant. 1)	-
IEEE 802.11n(HT20)		-	V(Ant. 1 + Ant. 2)
IEEE 802.11n(HT40)		-	V(Ant. 1 + Ant. 2)
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 N(HT20) Mode Channel 01

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

<b>AC power line conducted emissions test</b>	
Final Test Mode	Description
Mode 7	TX N(HT20) Mode Channel 01

<b>Radiated emissions test - Below 1GHz</b>	
Final Test Mode	Description
Mode 7	TX N(HT20) Mode Channel 01

<b>Radiated emissions test- Above 1GHz</b>	
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:**

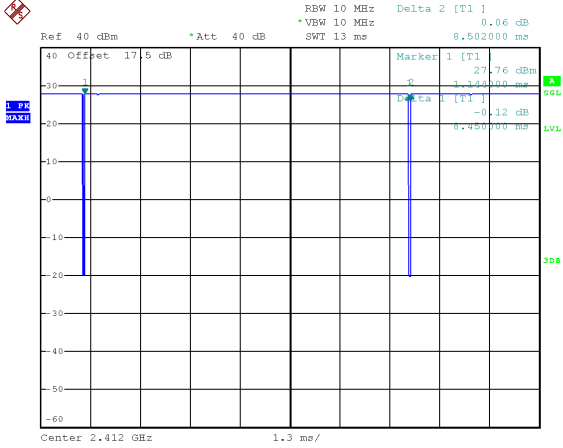
- (1) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (2) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX N(HT20) Mode Channel 01 is found to be the worst case and recorded.
- (3) For radiated 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 above 1 GHz test, the polarization of Vertical and Horizontal are evaluated, the worst case is Vertical and recorded.
- (5) IEEE 802.11ax mode only supports full RU, so only the full RU is evaluated and measured inside report.

**3.3 PARAMETERS OF TEST SOFTWARE**

Test Software Version	QATool_UIv2.78		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	20	20	18
IEEE 802.11g	18	19	16.5
IEEE 802.11n(HT20)	18.5	19.5	17.5
IEEE 802.11ax(HE20)	16	17.5	15
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	16	17	15
IEEE 802.11ax(HE40)	14.5	15.5	13

## 3.4 DUTY CYCLE

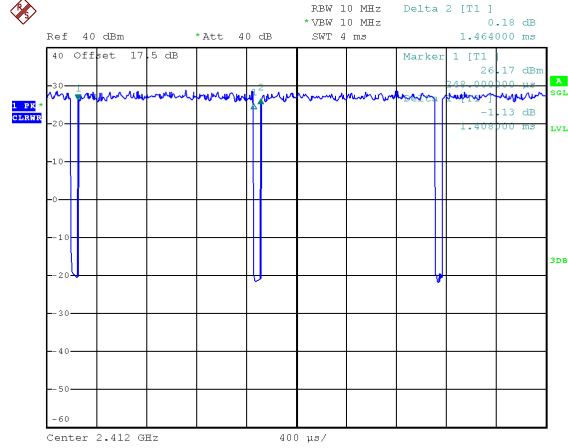
### IEEE 802.11b



Date: 12.DEC.2023 11:10:21

Duty cycle = 8.450 ms / 8.502 ms = 99.39%  
 Duty Factor = 10 log(1/Duty cycle) = 0.00

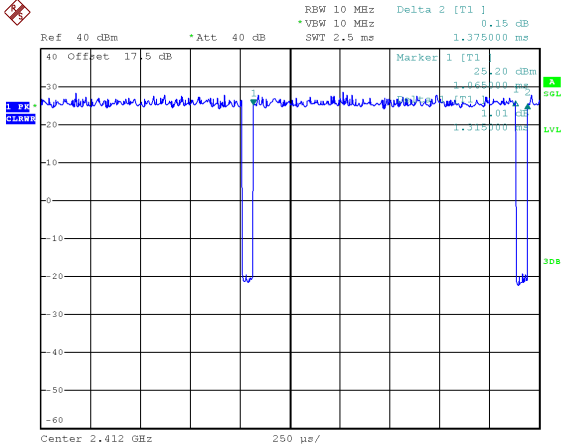
### IEEE 802.11g



Date: 12.DEC.2023 11:15:23

Duty cycle = 1.408 ms / 1.464 ms = 96.17%  
 Duty Factor = 10 log(1/Duty cycle) = 0.17

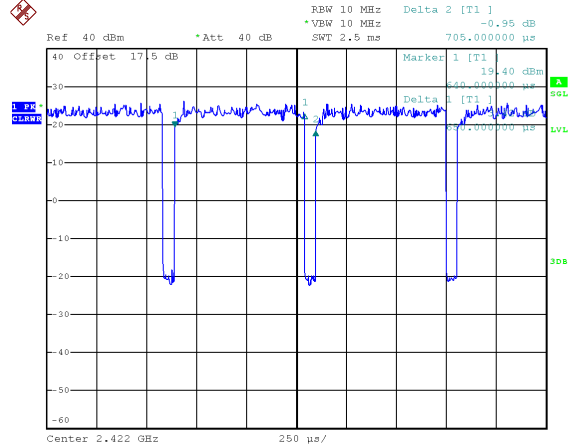
### IEEE 802.11n(HT20)



Date: 12.DEC.2023 11:17:00

Duty cycle = 1.315 ms / 1.375 ms = 95.64%  
 Duty Factor = 10 log(1/Duty cycle) = 0.19

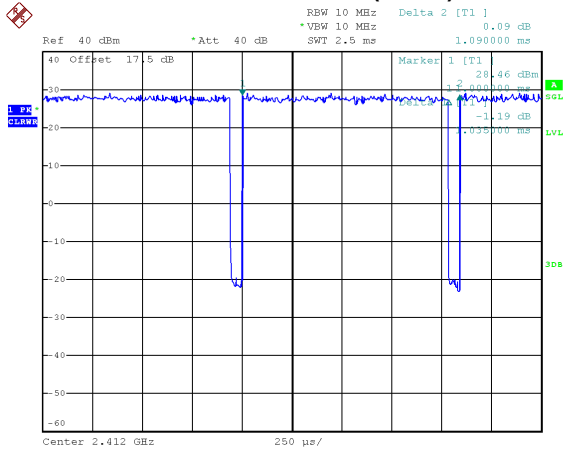
### IEEE 802.11n(HT40)



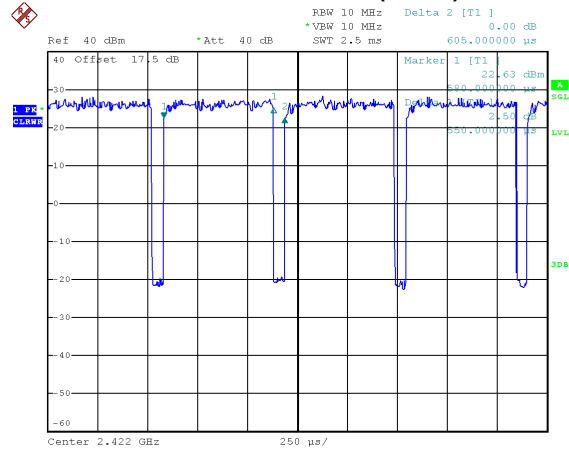
Date: 12.DEC.2023 11:16:33

Duty cycle = 0.650 ms / 0.705 ms = 92.20%  
 Duty Factor = 10 log(1/Duty cycle) = 0.35

## IEEE 802.11ax(HE20)



## IEEE 802.11ax(HE40)



Date: 29.DEC.2023 17:55:52

Date: 29.DEC.2023 17:56:17

Duty cycle = 1.035 ms / 1.090 ms = 94.95%  
 Duty Factor = 10 log(1/Duty cycle) = 0.22

Duty cycle = 0.550 ms / 0.605 ms = 90.91%  
 Duty Factor = 10 log(1/Duty cycle) = 0.41

### 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 710 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 760 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 1538 Hz.

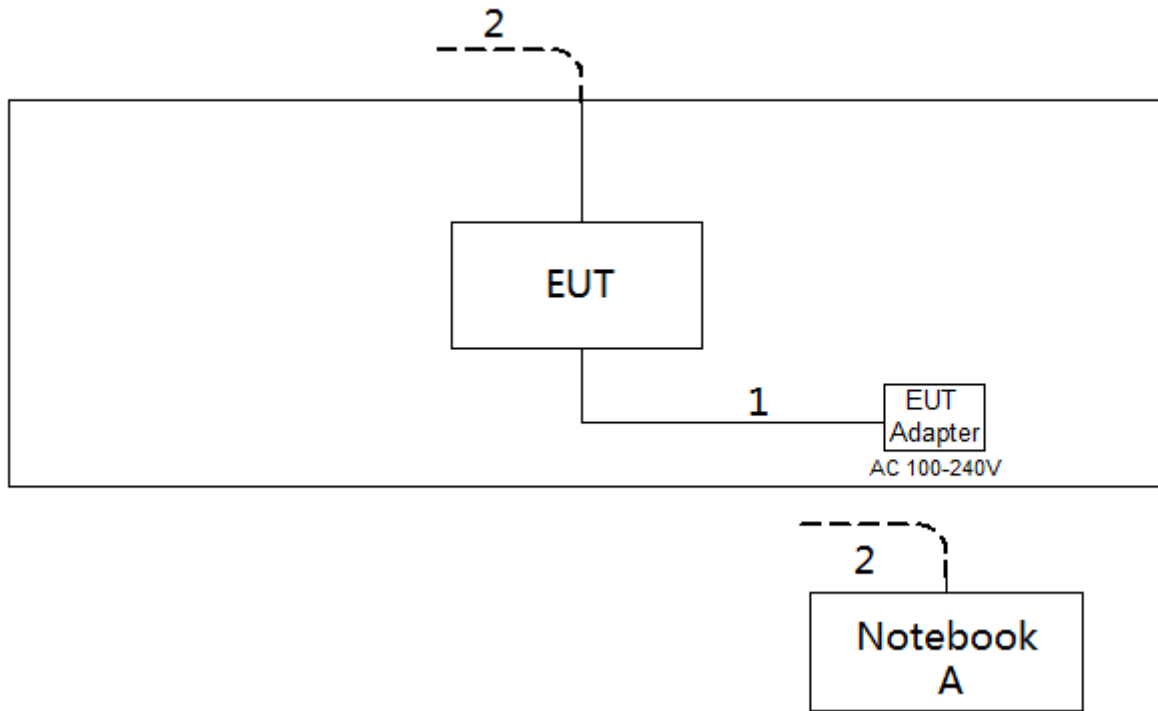
For IEEE 802.11ax(HE20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 966 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 1818 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	NBLK-WAX9X	N/A

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

### 3.7 CUSTOMER INFORMATION DESCRIPTION

- 1) The antenna gain 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 (1dB) 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 (dB $\mu$ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

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

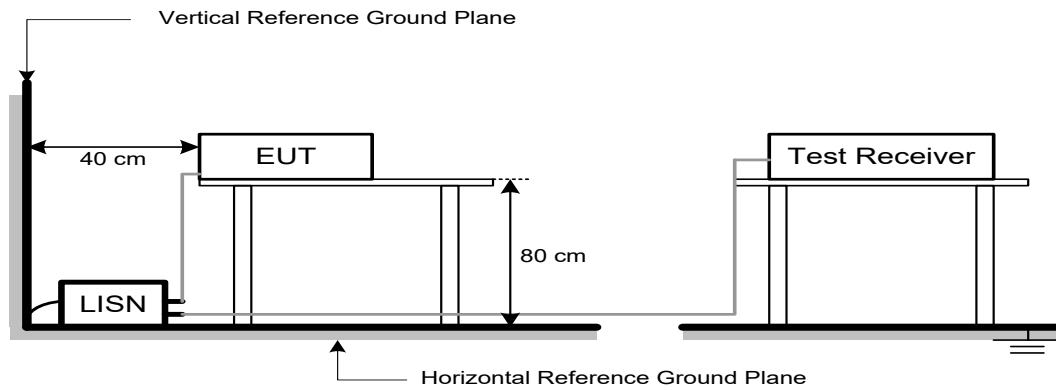
The following table is the setting of the receiver:

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

#### NOTE:

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

## 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 shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1 GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.  
(below 1 GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
- i. For the actual test configuration, please refer to the related Item -EUT Test Photos.

The following table is the setting of the receiver:

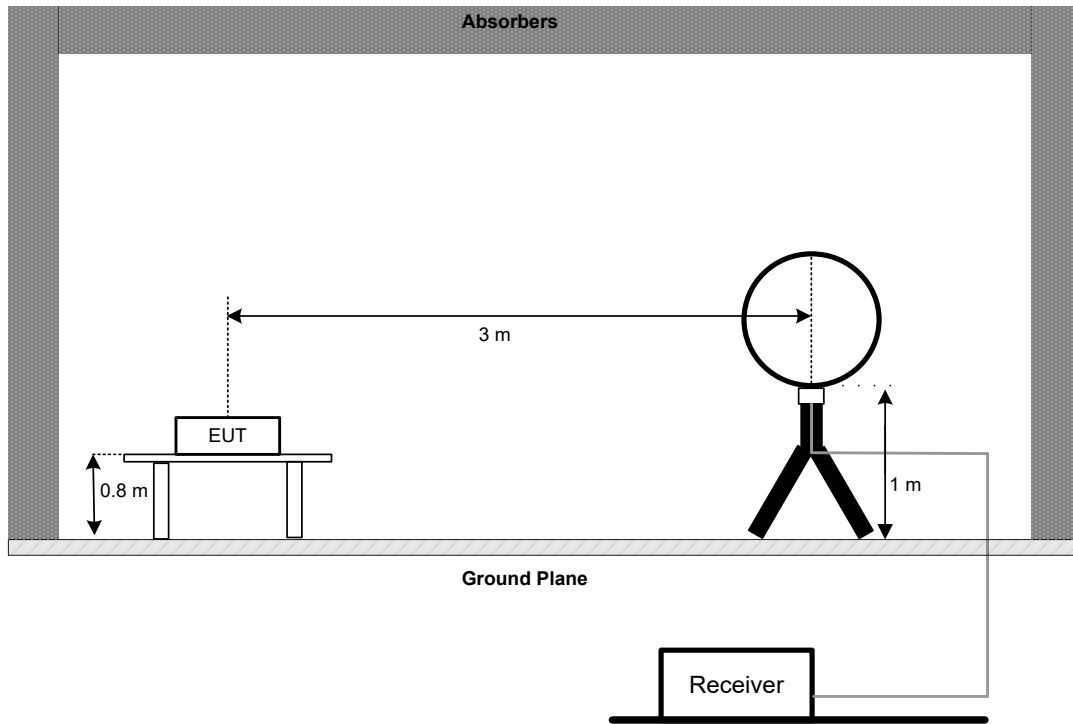
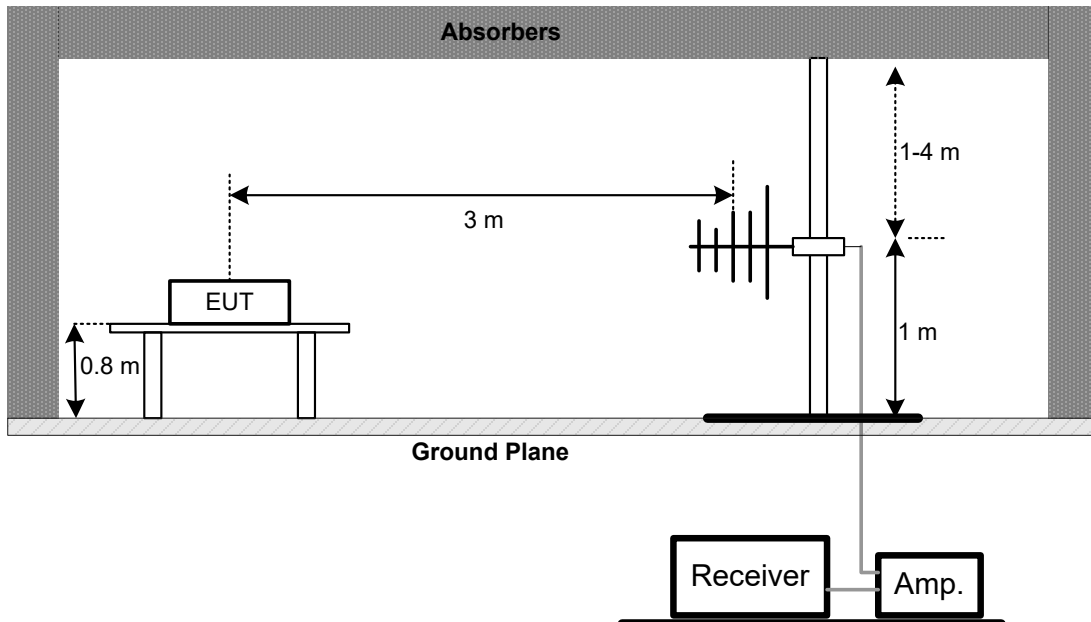
Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

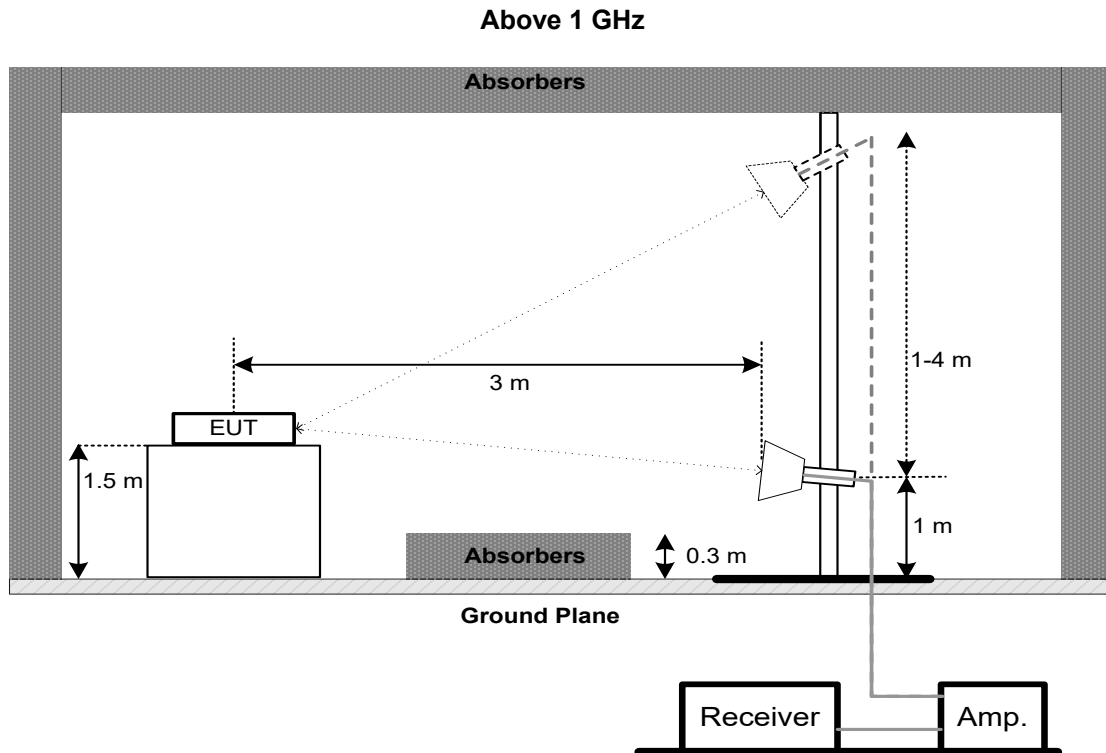
Spectrum Parameters	Setting
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1 MHz / 3 MHz for PK value 1 MHz / 1/T Hz for AVG value

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

**5.3 DEVIATION FROM TEST STANDARD**

No deviation.

**5.4 TEST SETUP****9 kHz to 30 MHz****30 MHz to 1 GHz**



### 5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 5.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

Remark:

- (1) Distance extrapolation factor =  $40 \log (\text{specific distance} / \text{test distance})$  (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

### 5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

### 5.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

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

## 6. BANDWIDTH

### 6.1 LIMIT

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

### 6.2 TEST PROCEDURE

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

For 6 dB Bandwidth:

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

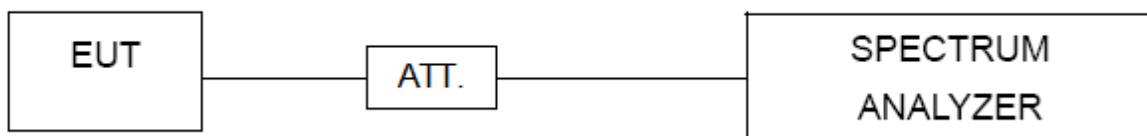
For 99% Emission Bandwidth:

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

### 6.3 DEVIATION FROM STANDARD

No deviation.

### 6.4 TEST SETUP



### 6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 6.6 TEST RESULTS

Please refer to the APPENDIX E.

## 7. MAXIMUM OUTPUT POWER

### 7.1 LIMIT

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

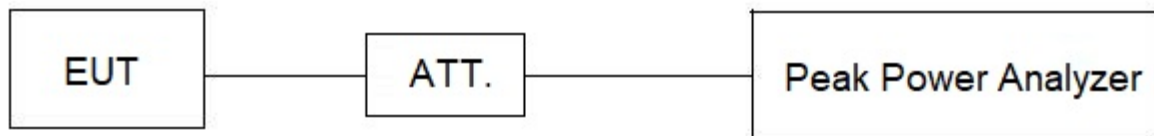
### 7.2 TEST PROCEDURE

- The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.
- The maximum conducted output power was performed in accordance with method 11.9.1.3 (For Peak Power) and 11.9.2.3.1 (For Average 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

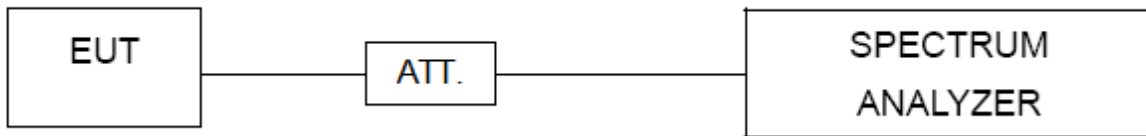
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

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

### 9.3 DEVIATION FROM STANDARD

No deviation.

### 9.4 TEST SETUP



### 9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 9.6 TEST RESULTS

Please refer to the APPENDIX H.

**10. MEASUREMENT INSTRUMENTS LIST**

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESR3	103027	Jun. 16, 2024
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Jan. 07, 2024
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M-001	9M	Nov. 27, 2024
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	Apr. 01, 2024
2	MXE EMI Receiver	Keysight	N9038A	MY56400091	Jan. 07, 2024
3	Cable	N/A	RW2350-3.8A-NMBM-1.5M	N/A	Jun. 10, 2024
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
5	966 Chamber room	ETS	9*6*6	N/A	Jul. 11, 2024

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	1461	Nov. 28, 2024
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06010	Nov. 28, 2024
3	Preamplifier	EMC INSTRUMENT	EMC001330	980863	Nov. 17, 2024
4	Cable	RegalWay	LMR400-NMNM-12.5m	N/A	Jul. 04, 2024
5	Cable	RegalWay	LMR400-NMNM-3m	N/A	Jul. 04, 2024
6	Cable	RegalWay	LMR400-NMNM-0.5m	N/A	Jul. 04, 2024
7	Receiver	Agilent	N9038A	MY52130039	Dec. 22, 2024
8	Positioning Controller	MF	MF-7802	N/A	N/A
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	966 Chamber room	CM	9*6*6	N/A	May 17, 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-NMRASM-2.5M	N/A	Aug. 08, 2024
7	Cable	RegalWay	RWLP50-4.0A-NMRASM RA-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-2.92M2.9 2M-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	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
13	Filter	STI	STI15-9912	N/A	Jun. 16, 2024
14	Positioning Controller	MF	MF-7802	N/A	N/A
15	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
16	966 Chamber room	CM	9*6*6	N/A	May 17, 2024

Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
<b>For IEEE 802.11n(HT20) Mode's 6dB bandwidth</b>					
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
<b>For Others</b>					
1	Spectrum Analyzer	R&S	FSP38	100852	Jun. 16, 2024
2	Attenuator	RegalWay	RWA-201-S-10	N/A	Sep. 26, 2024
3	Measurement Software	BTL	BTL Conducted Test	N/A	N/A

Conducted Spurious Emissions & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP38	100852	Jun. 16, 2024
2	Attenuator	RegalWay	RWA-201-S-10	N/A	Sep. 26, 2024
3	Measurement Software	BTL	BTL Conducted Test	N/A	N/A

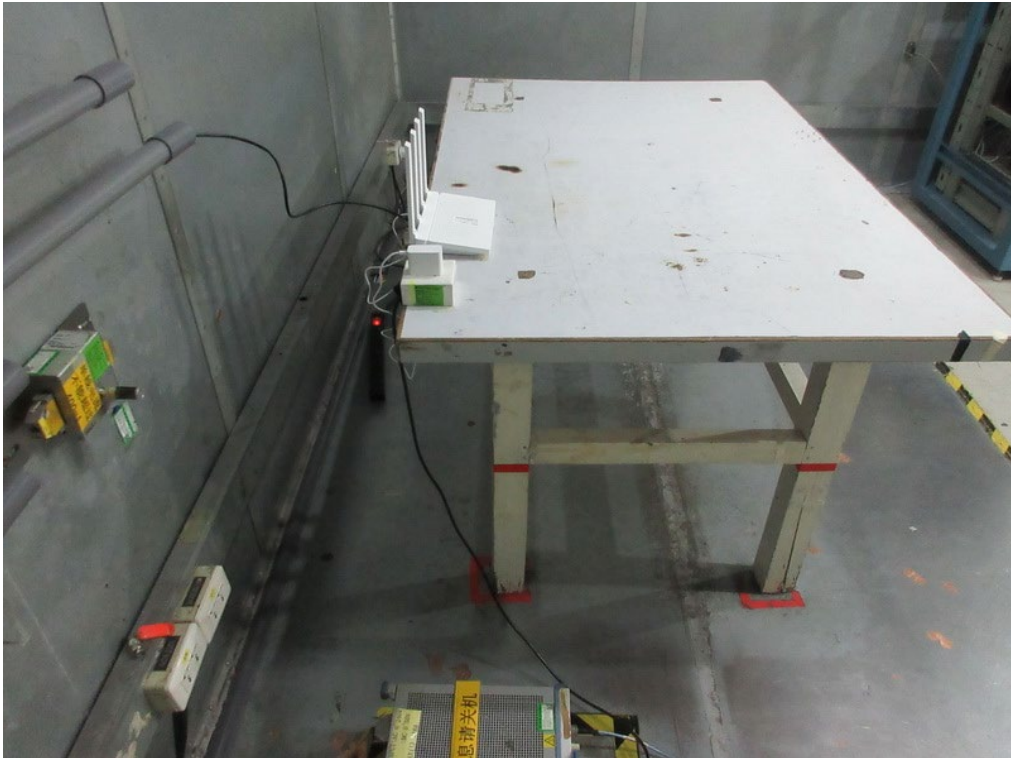
Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Jun. 17, 2024
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jun. 17, 2024
3	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A

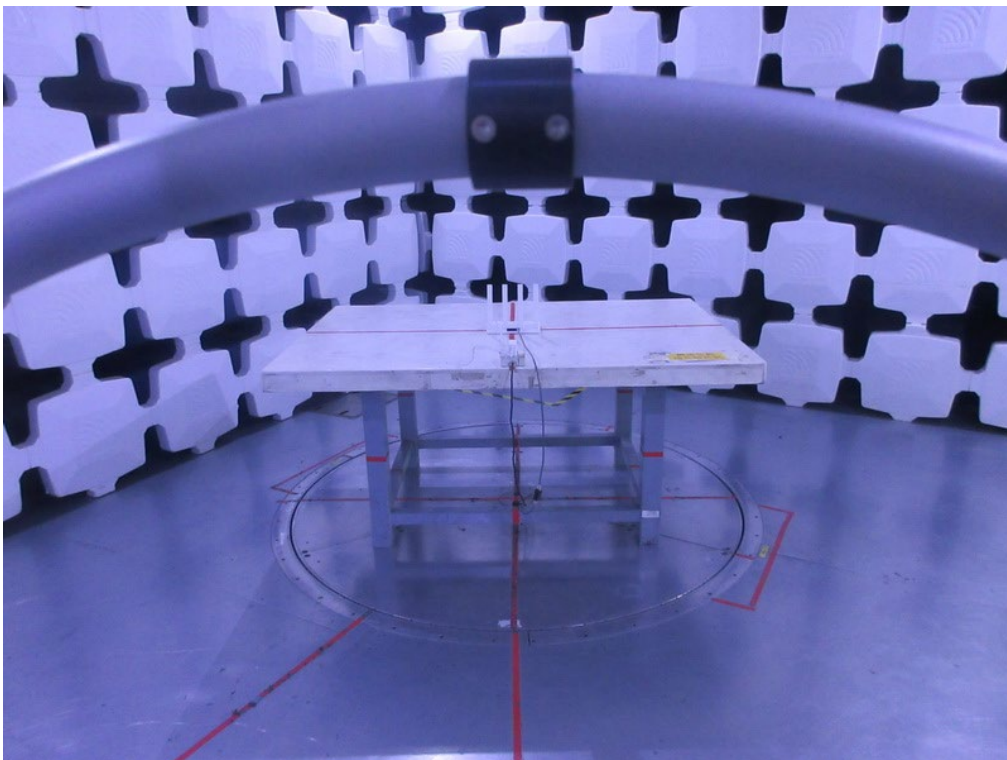
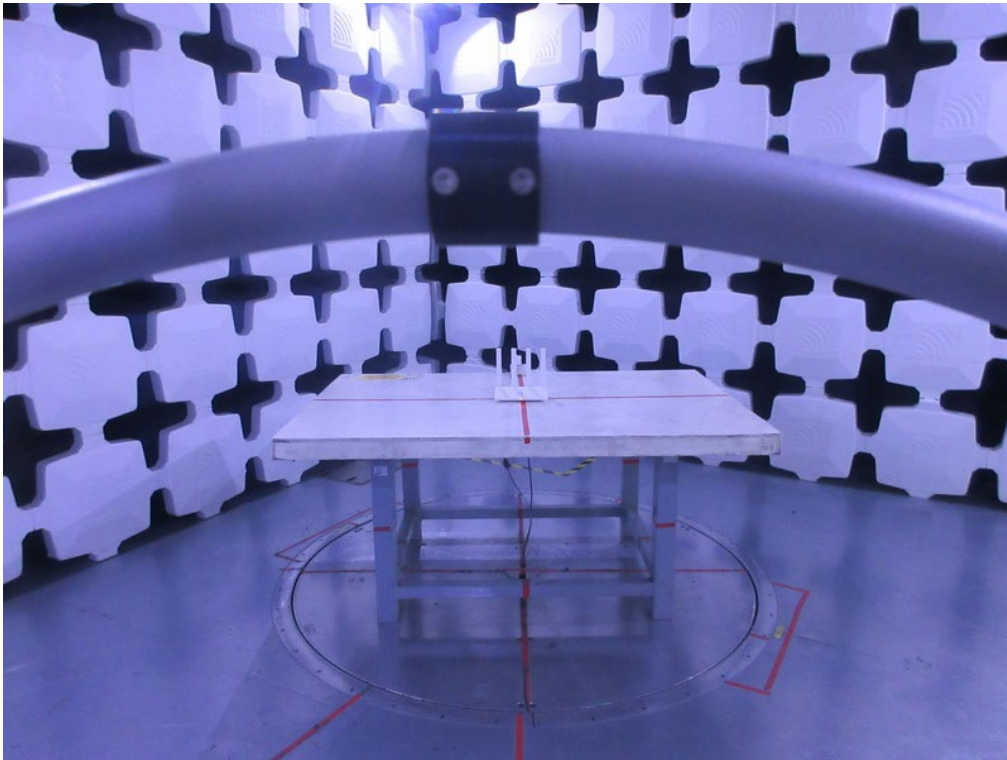
Remark: "N/A" denotes no model name, serial no. or calibration specified.

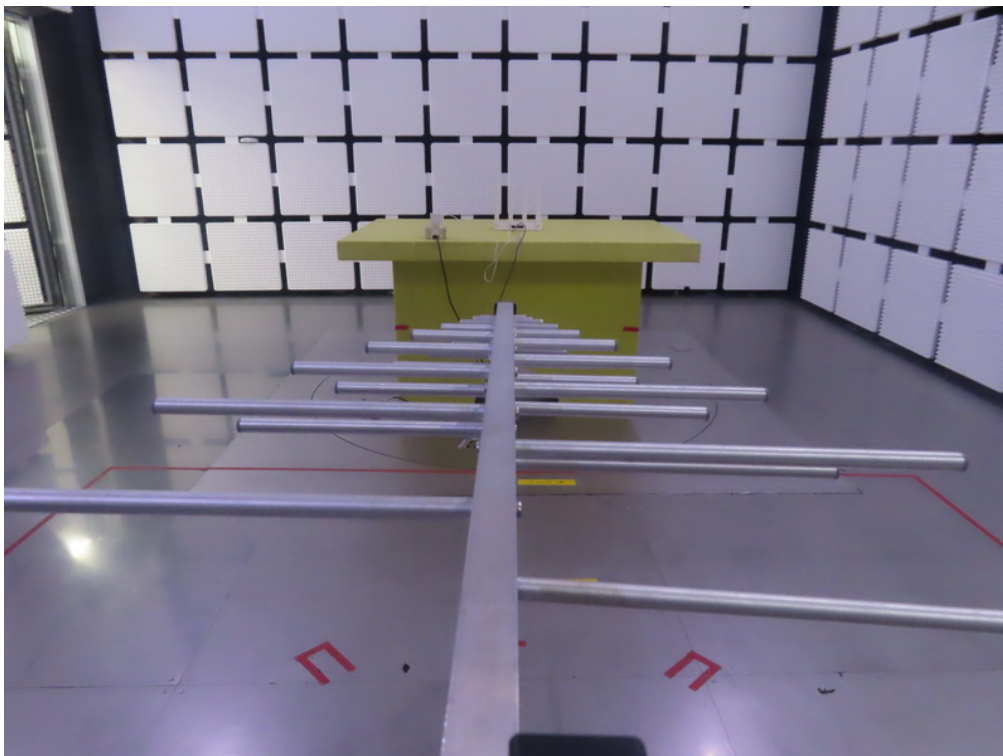
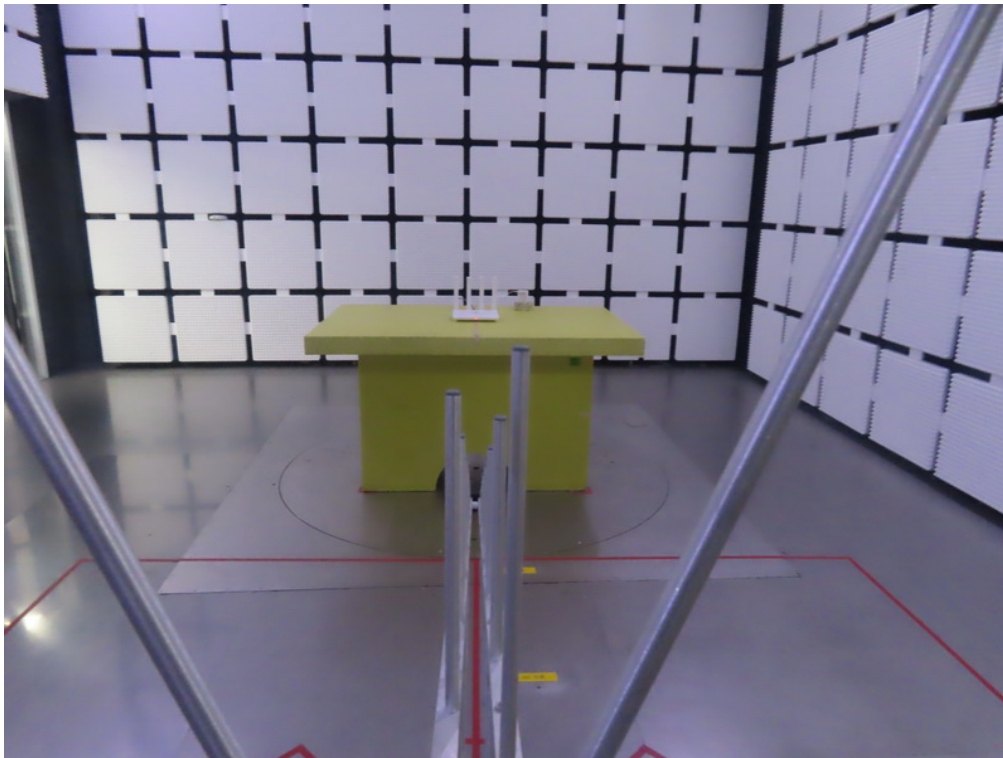
All calibration period of equipment list is one year.

**11. EUT TEST PHOTO**

**AC Power Line Conducted Emissions Test Photos**



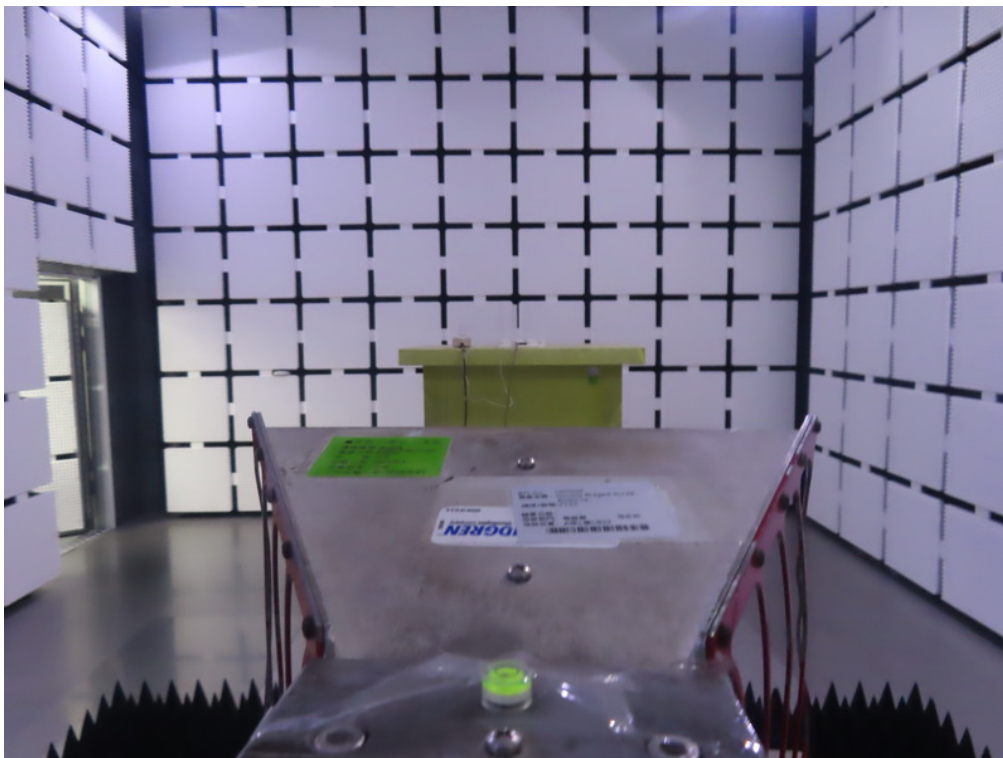
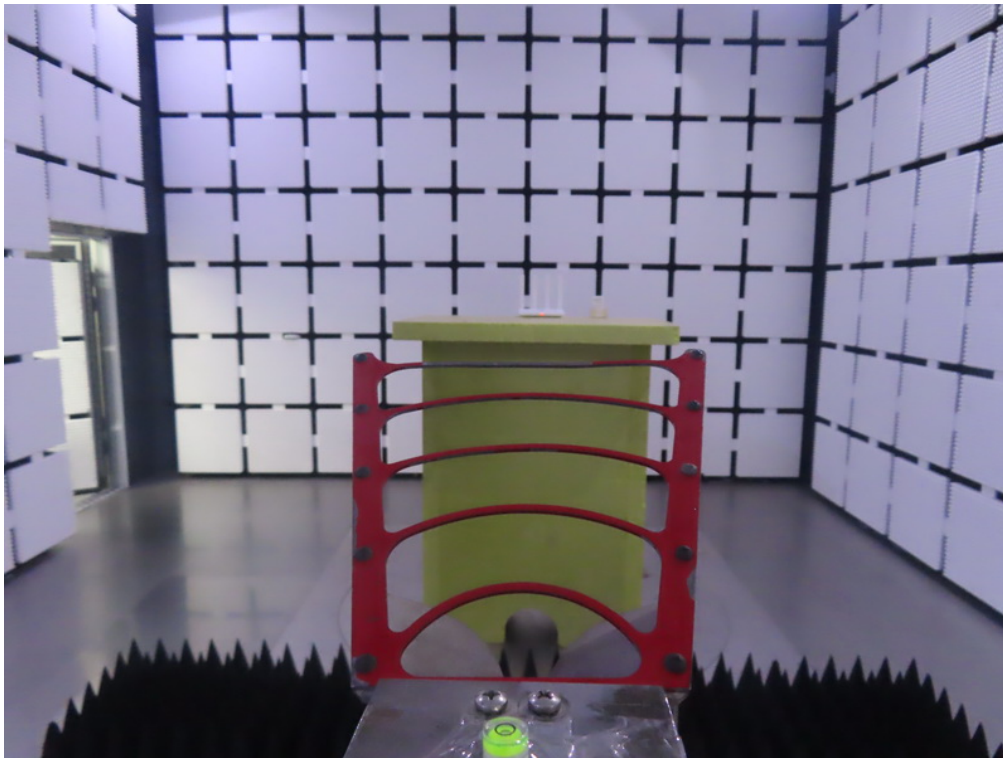
**Radiated Emissions Test Photos****9 kHz to 30 MHz**

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

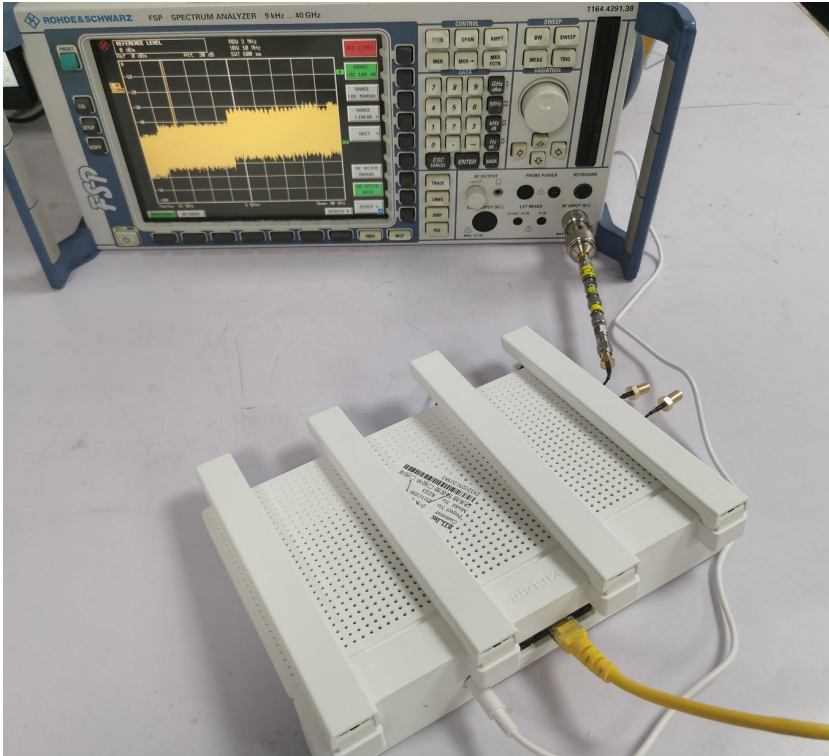


**Radiated Emissions Test Photos**

**Above 1 GHz**

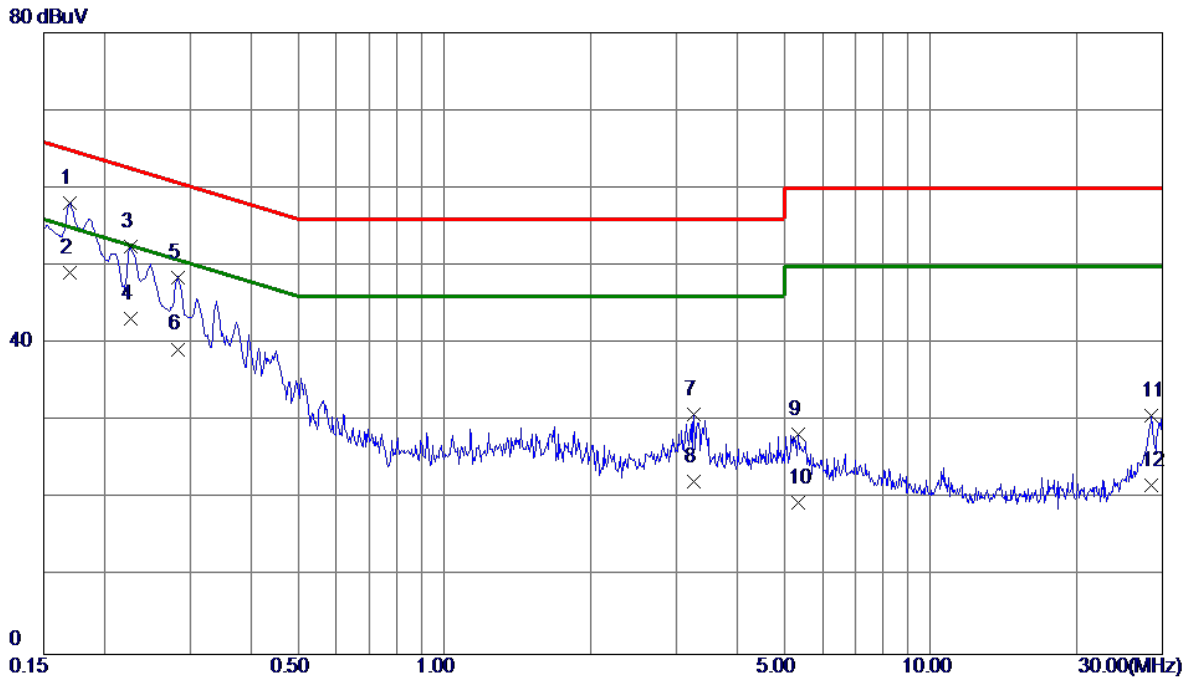


**Conducted Test Photos**



## **APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS**

Test Mode	TX N(HT20) Mode Channel 01	Phase	Line
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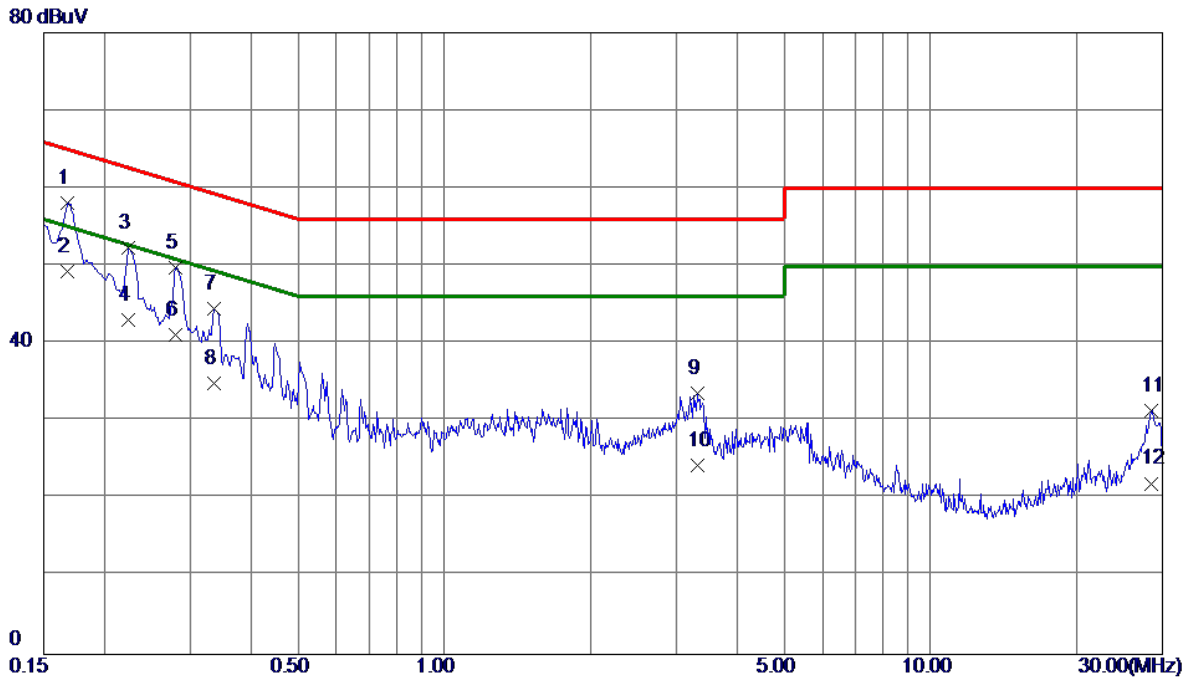


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1702	48.45	9.68	58.13	64.95	-6.82	QP	
2 *	0.1702	39.40	9.68	49.08	54.95	-5.87	AVG	
3	0.2265	42.87	9.68	52.55	62.58	-10.03	QP	
4	0.2265	33.49	9.68	43.17	52.58	-9.41	AVG	
5	0.2832	38.75	9.68	48.43	60.72	-12.29	QP	
6	0.2832	29.60	9.68	39.28	50.72	-11.44	AVG	
7	3.2616	21.14	9.80	30.94	56.00	-25.06	QP	
8	3.2616	12.40	9.80	22.20	46.00	-23.80	AVG	
9	5.3520	18.51	9.85	28.36	60.00	-31.64	QP	
10	5.3520	9.61	9.85	19.46	50.00	-30.54	AVG	
11	28.4730	20.19	10.52	30.71	60.00	-29.29	QP	
12	28.4730	11.30	10.52	21.82	50.00	-28.18	AVG	

**REMARKS:**

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

Test Mode	TX N(HT20) Mode Channel 01	Phase	Neutral
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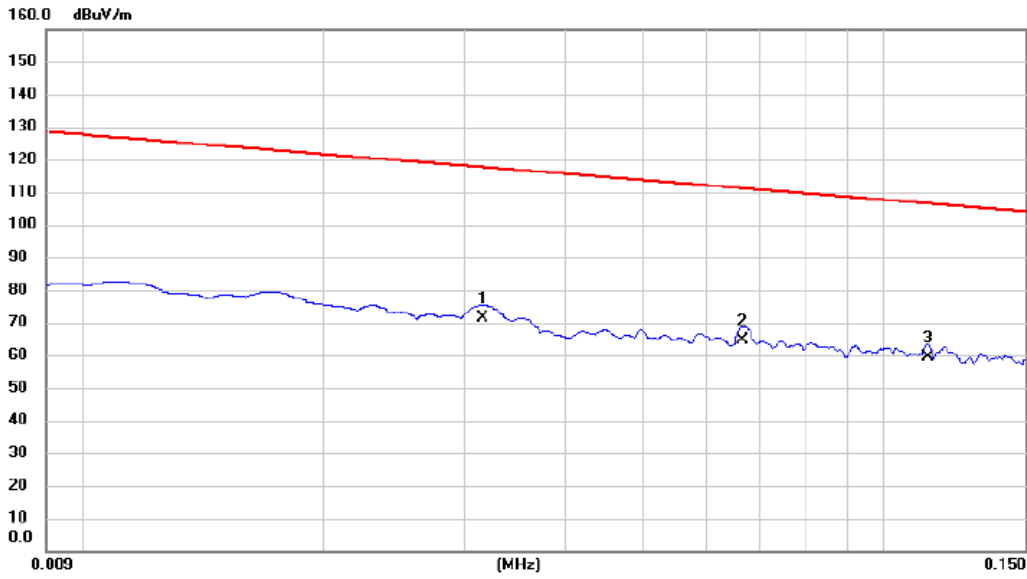
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1680	48.38	9.66	58.04	65.06	-7.02	QP	
2 *	0.1680	39.60	9.66	49.26	55.06	-5.80	AVG	
3	0.2242	42.63	9.65	52.28	62.66	-10.38	QP	
4	0.2242	33.40	9.65	43.05	52.66	-9.61	AVG	
5	0.2804	40.16	9.66	49.82	60.80	-10.98	QP	
6	0.2804	31.50	9.66	41.16	50.80	-9.64	AVG	
7	0.3367	34.87	9.65	44.52	59.28	-14.76	QP	
8	0.3367	25.30	9.65	34.95	49.28	-14.33	AVG	
9	3.3090	23.83	9.77	33.60	56.00	-22.40	QP	
10	3.3090	14.60	9.77	24.37	46.00	-21.63	AVG	
11	28.3717	20.90	10.50	31.40	60.00	-28.60	QP	
12	28.3717	11.50	10.50	22.00	50.00	-28.00	AVG	

**REMARKS:**

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

## **APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ**

Test Mode	TX N(HT20) Mode Channel 01	Polarization	Ant 0°
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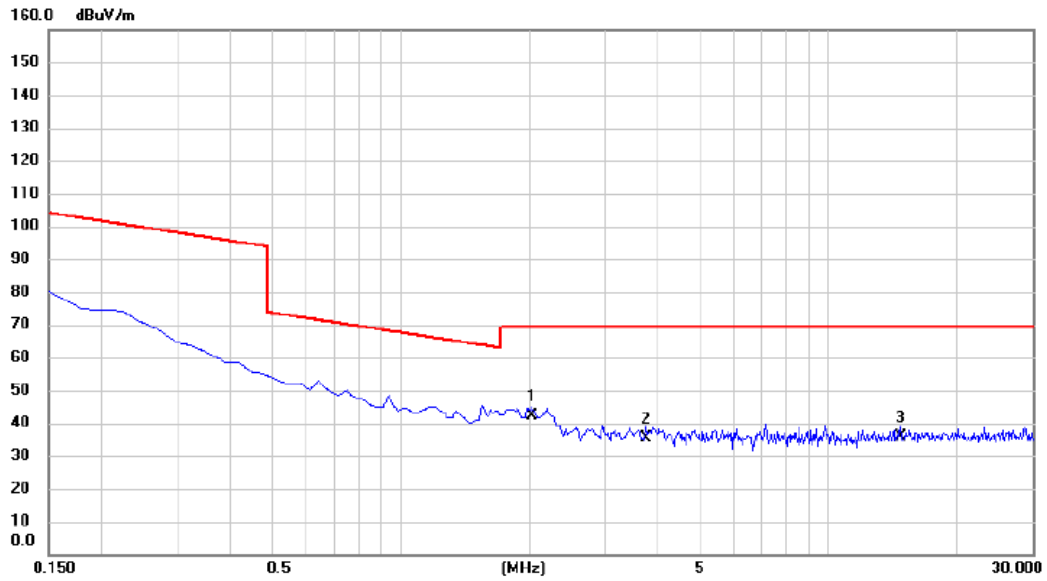


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	0.0316	51.67	19.80	71.47	117.61	-46.14	AVG	
2		0.0667	44.58	19.86	64.44	111.12	-46.68	AVG	
3		0.1133	39.68	19.83	59.51	106.52	-47.01	AVG	

**REMARKS:**

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

Test Mode	TX N(HT20) Mode Channel 01	Polarization	Ant 0°
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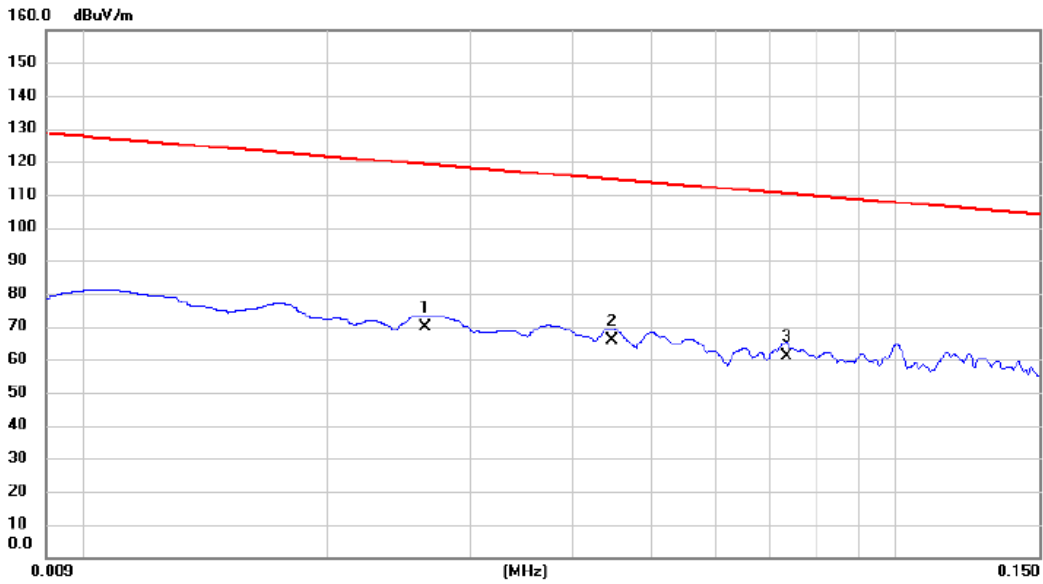
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2.0305	22.56	19.79	42.35	69.54	-27.19	QP	
2	3.7470	15.64	19.92	35.56	69.54	-33.98	QP	
3	14.7168	15.43	20.30	35.73	69.54	-33.81	QP	

**REMARKS:**

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



Test Mode	TX N(HT20) Mode Channel 01	Polarization	Ant 90°
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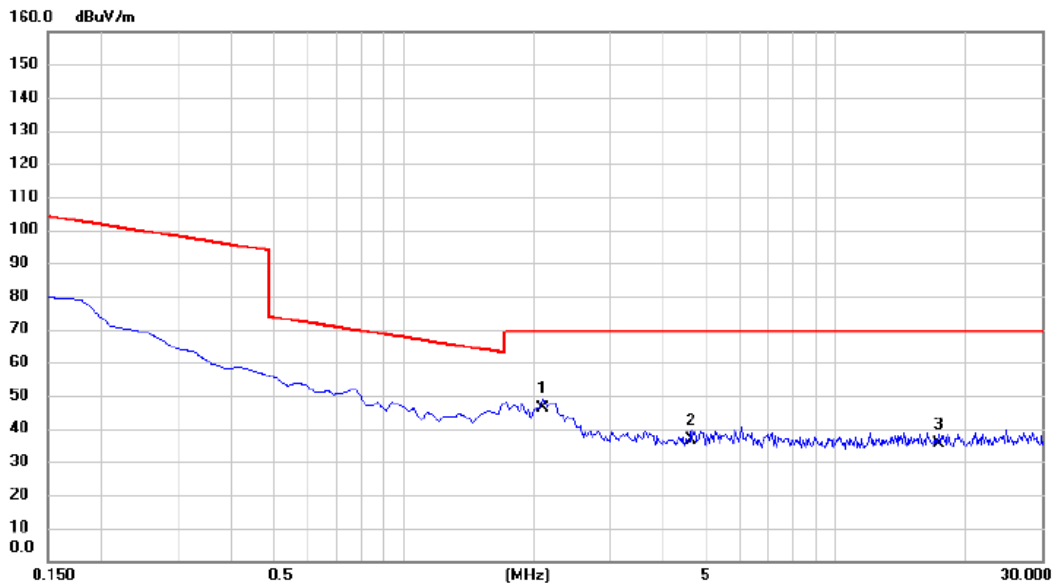


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0264	49.65	20.00	69.65	119.17	-49.52	AVG	
2	*	0.0447	45.84	19.80	65.64	114.60	-48.96	AVG	
3		0.0733	41.23	19.88	61.11	110.30	-49.19	AVG	

**REMARKS:**

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

Test Mode	TX N(HT20) Mode Channel 01	Polarization	Ant 90°
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2.1052	26.54	19.80	46.34	69.54	-23.20	QP	
2		4.6275	16.58	19.94	36.52	69.54	-33.02	QP	
3		17.3435	15.11	20.45	35.56	69.54	-33.98	QP	

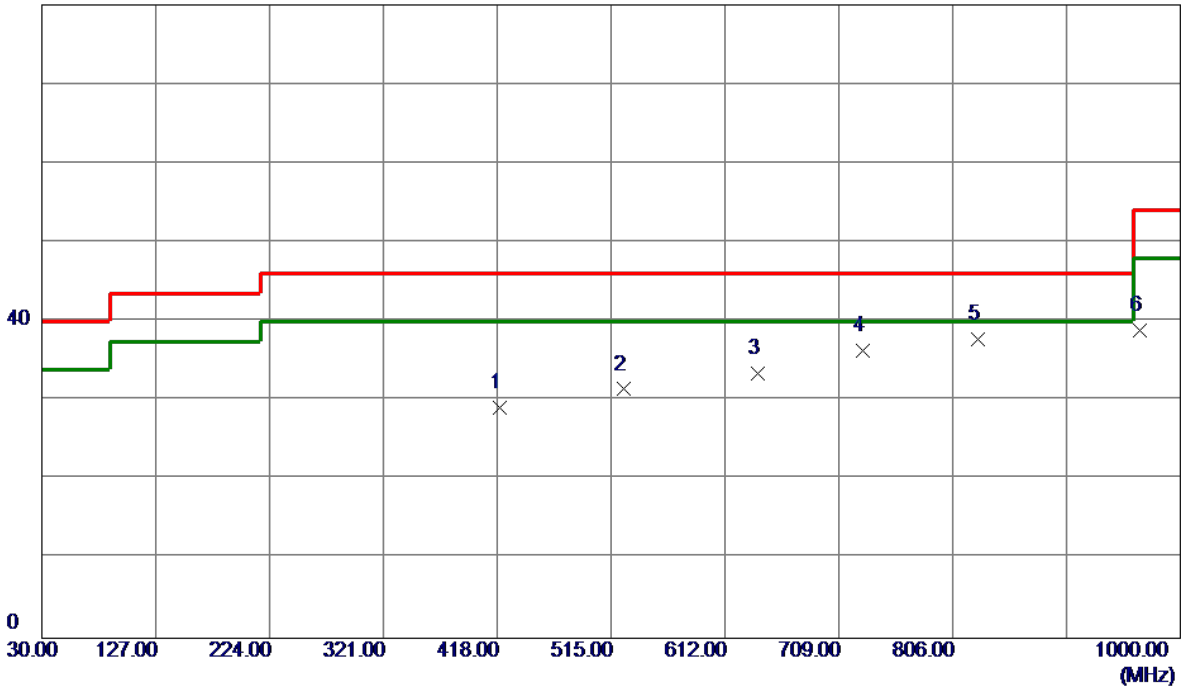
**REMARKS:**

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

**APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ**

Test Mode	TX N(HT20) Mode Channel 01	Polarization	Vertical
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80 dBuV/m

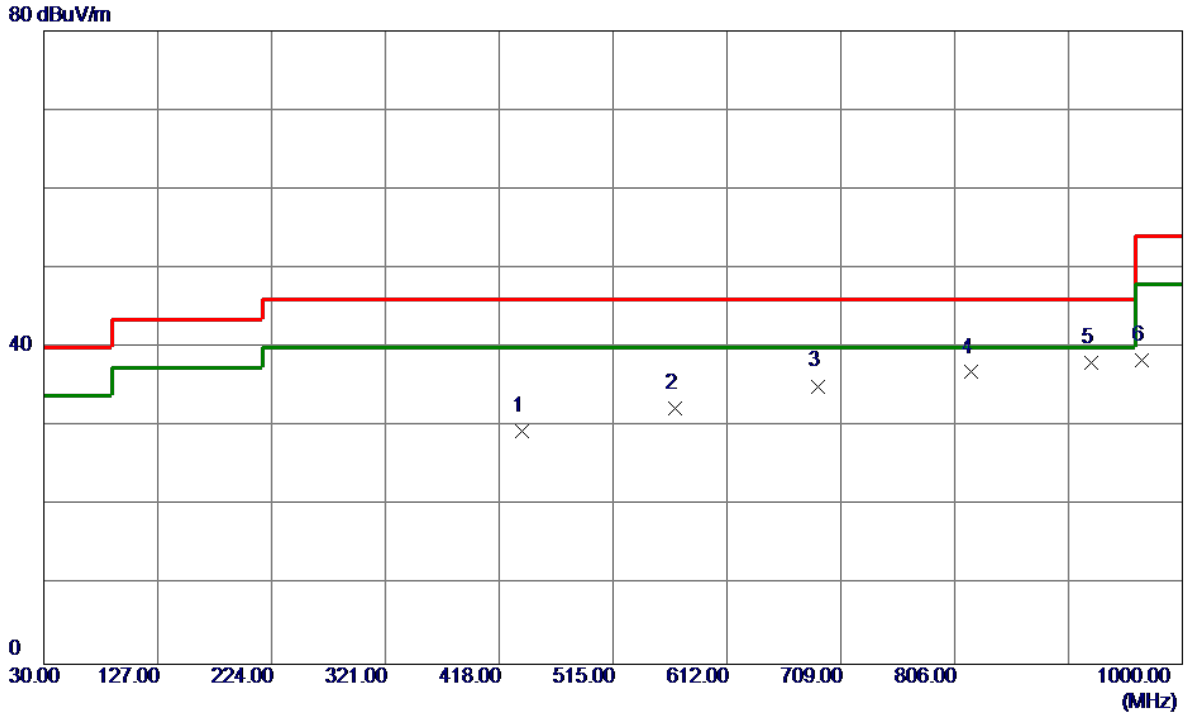


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	419.9400	36.49	-7.38	29.11	46.00	-16.89	Peak	
2	526.1550	36.99	-5.55	31.44	46.00	-14.56	Peak	
3	639.6450	36.70	-3.29	33.41	46.00	-12.59	Peak	
4	729.3700	38.26	-1.92	36.34	46.00	-9.66	Peak	
5 *	827.8250	38.24	-0.53	37.71	46.00	-8.29	Peak	
6	965.0800	38.37	0.53	38.90	54.00	-15.10	Peak	

REMARKS:

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

Test Mode	TX N(HT20) Mode Channel 01	Polarization	Horizontal
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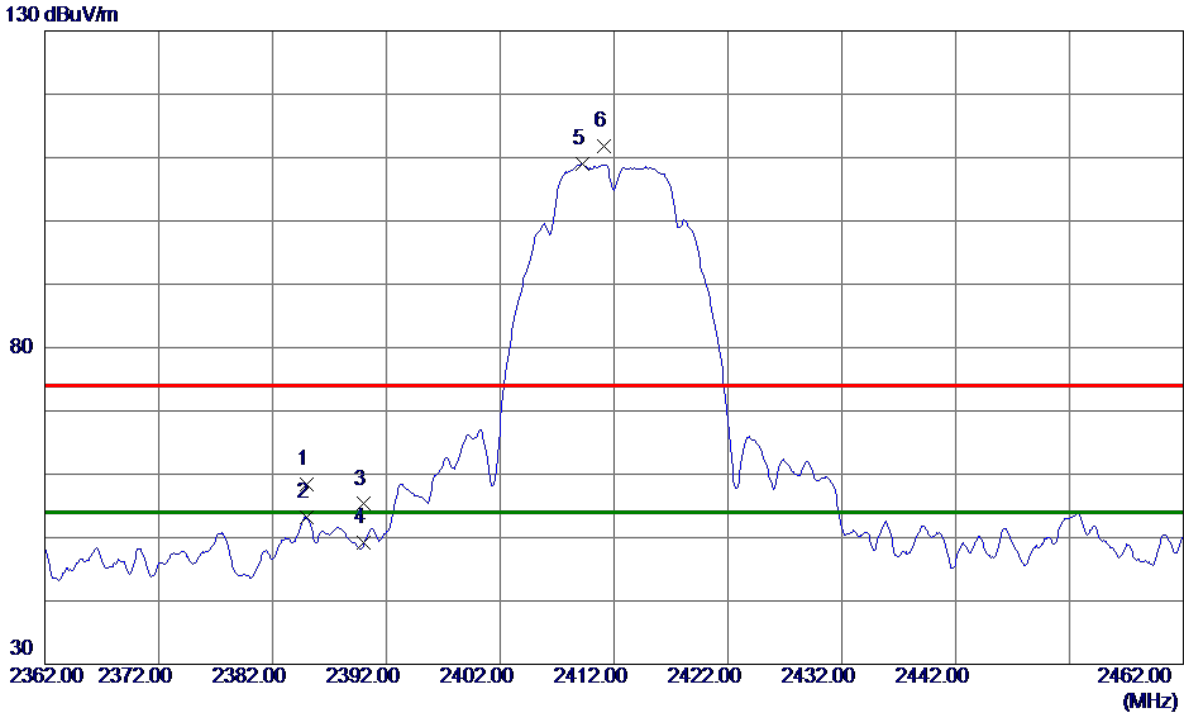
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	437.4000	36.40	-7.03	29.37	46.00	-16.63	Peak	
2	567.3800	36.83	-4.57	32.26	46.00	-13.74	Peak	
3	690.0850	37.57	-2.45	35.12	46.00	-10.88	Peak	
4	819.5800	37.54	-0.66	36.88	46.00	-9.12	Peak	
5 *	921.9150	38.10	0.04	38.14	46.00	-7.86	Peak	
6	965.5650	37.92	0.54	38.46	54.00	-15.54	Peak	

**REMARKS:**

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

**APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ**

Test Mode	TX B Mode 2412 MHz	Polarization	Vertical
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No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2384.9500	52.23	6.16	58.39	74.00	-15.61	Peak	
2	2384.9500	47.03	6.16	53.19	54.00	-0.81	AVG	
3	2390.0000	49.13	6.17	55.30	74.00	-18.70	Peak	
4	2390.0000	42.96	6.17	49.13	54.00	-4.87	AVG	
5 *	2409.2500	102.74	6.18	108.92	54.00	54.92	AVG	No Limit
6	2411.1500	105.58	6.18	111.76	74.00	37.76	Peak	No Limit

**REMARKS:**

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

Test Mode	TX B Mode 2412 MHz	Polarization	Vertical
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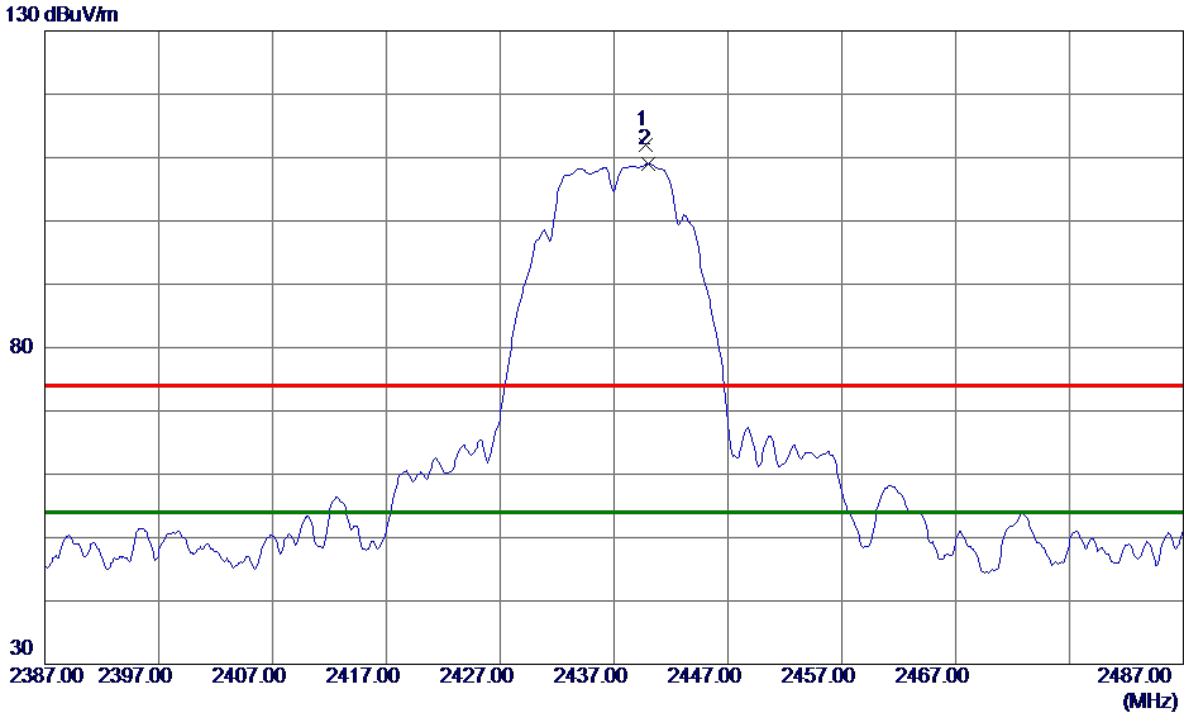
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.9500	49.52	0.95	50.47	74.00	-23.53	Peak	
2 *	4823.9500	46.97	0.95	47.92	54.00	-6.08	AVG	

**REMARKS:**

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



Test Mode	TX B Mode 2437 MHz	Polarization	Vertical
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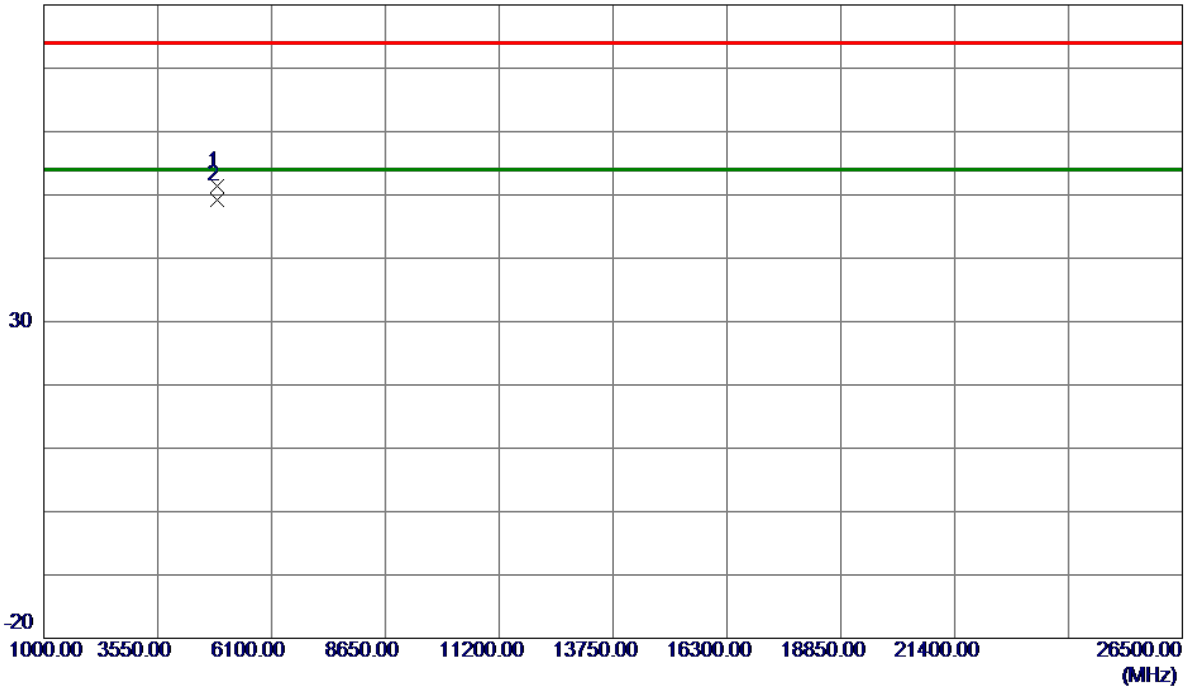
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2439.8000	105.73	6.20	111.93	74.00	37.93	Peak	No Limit
2 *	2440.0000	102.81	6.20	109.01	54.00	55.01	AVG	No Limit

**REMARKS:**

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

Test Mode	TX B Mode 2437 MHz	Polarization	Vertical
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80 dBuV/m

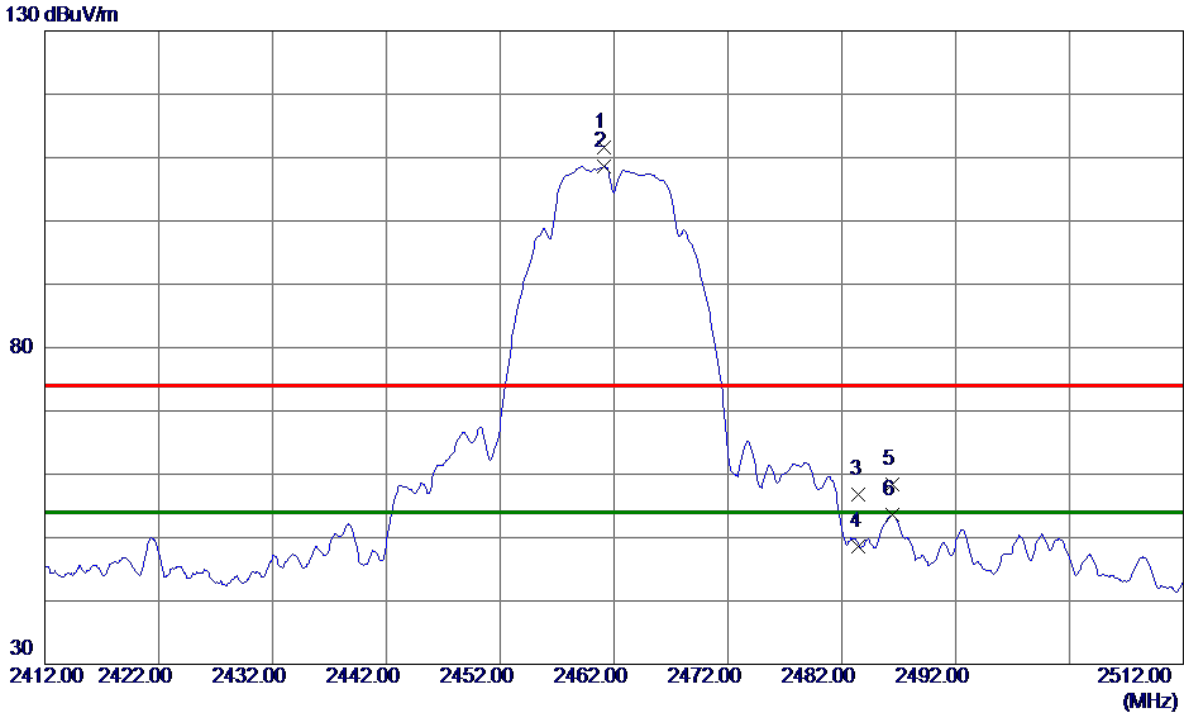


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0419	50.37	1.08	51.45	74.00	-22.55	Peak	
2 *	4874.0419	48.12	1.08	49.20	54.00	-4.80	AVG	

**REMARKS:**

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

Test Mode	TX B Mode 2462 MHz	Polarization	Vertical
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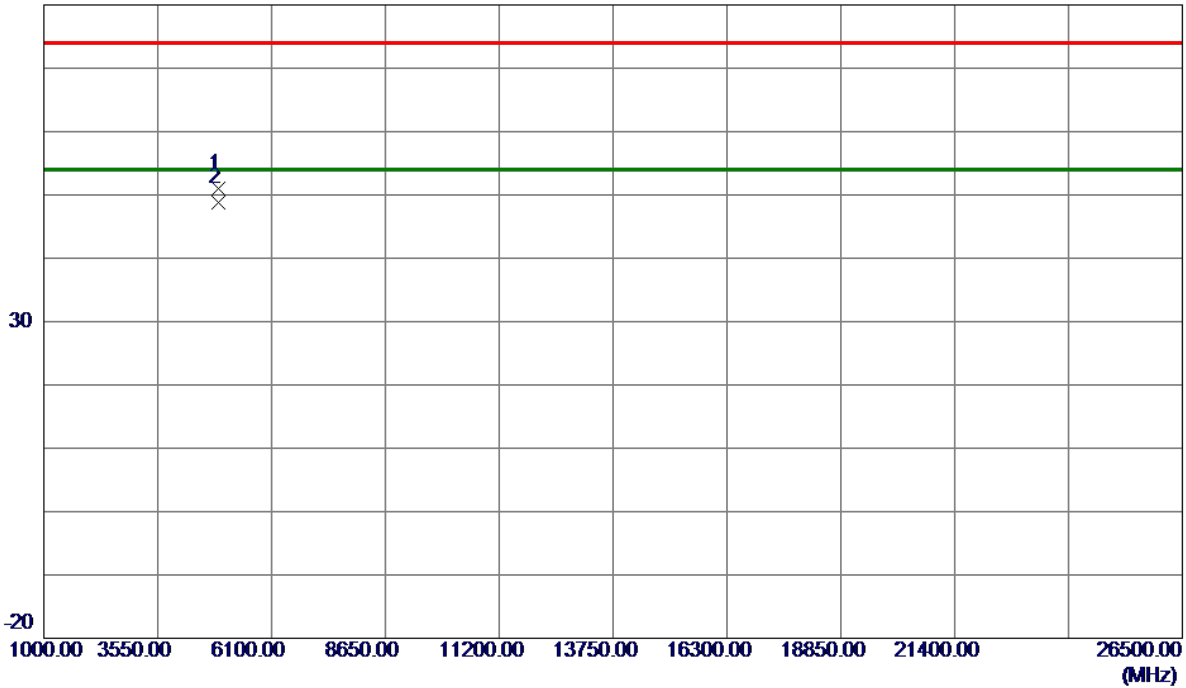
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.1500	105.30	6.21	111.51	74.00	37.51	Peak	No Limit
2 *	2461.1500	102.42	6.21	108.63	54.00	54.63	AVG	No Limit
3	2483.5000	50.50	6.23	56.73	74.00	-17.27	Peak	
4	2483.5000	42.37	6.23	48.60	54.00	-5.40	AVG	
5	2486.4500	52.15	6.23	58.38	74.00	-15.62	Peak	
6	2486.4500	47.37	6.23	53.60	54.00	-0.40	AVG	

**REMARKS:**

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

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

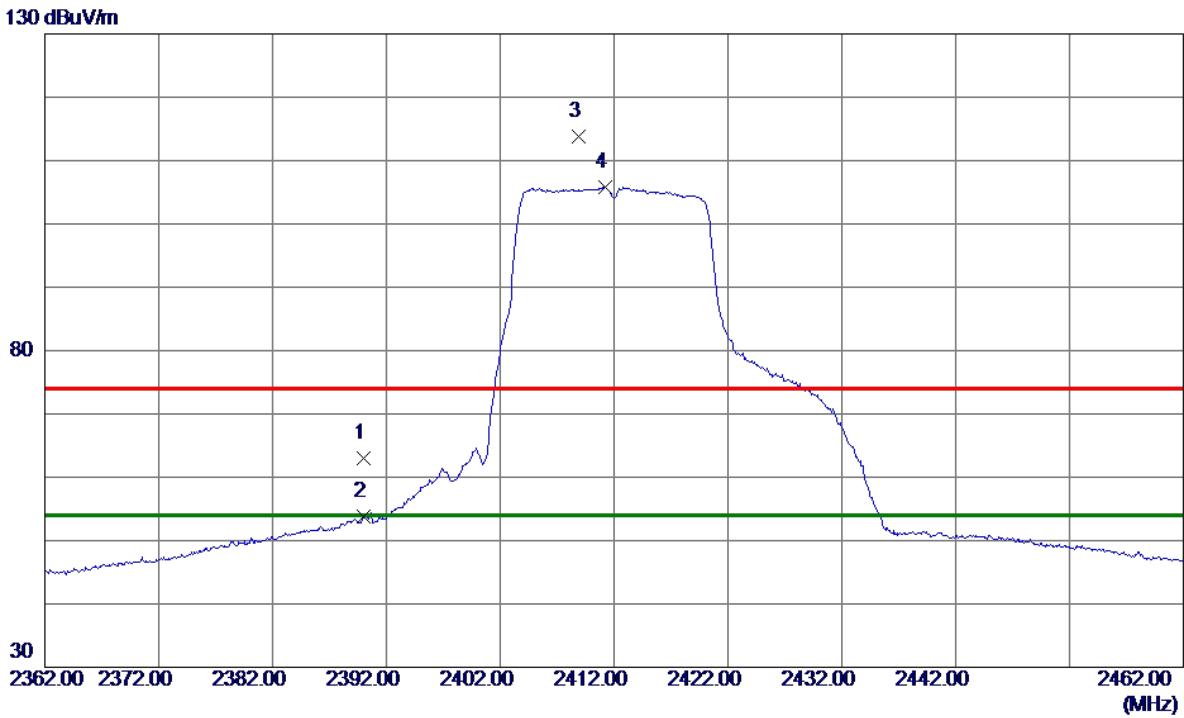


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4924.0050	49.84	1.21	51.05	74.00	-22.95	Peak	
2 *	4924.0050	47.56	1.21	48.77	54.00	-5.23	AVG	

**REMARKS:**

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

Test Mode	TX G Mode 2412 MHz	Polarization	Vertical
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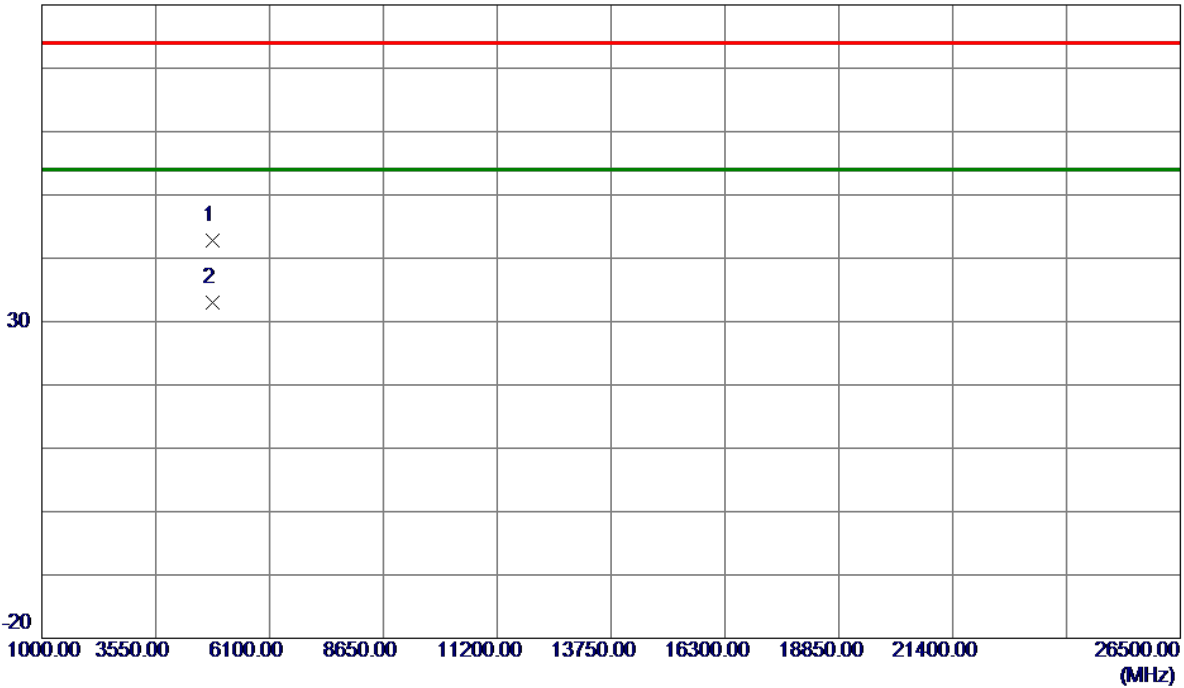
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	56.90	6.17	63.07	74.00	-10.93	Peak	
2	2390.0000	47.66	6.17	53.83	54.00	-0.17	AVG	
3	2408.8500	107.53	6.18	113.71	74.00	39.71	Peak	No Limit
4 *	2411.2000	99.63	6.18	105.81	54.00	51.81	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	Vertical
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80 dBuV/m

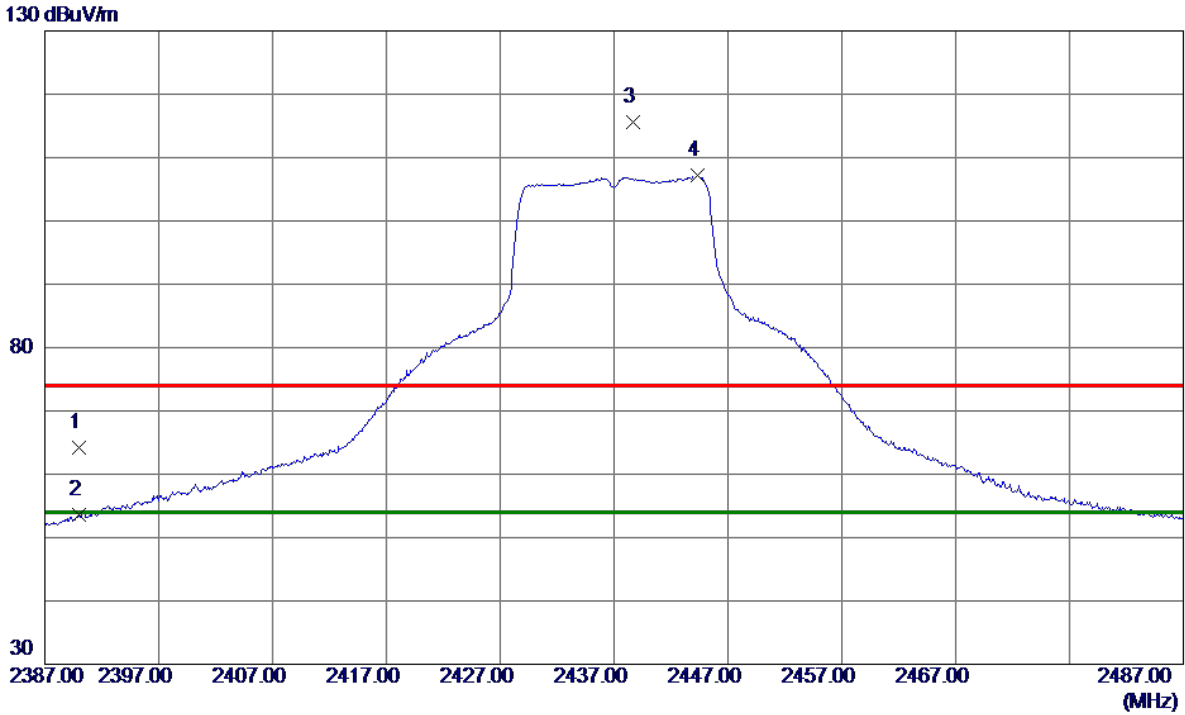


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4825.2000	41.93	0.95	42.88	74.00	-31.12	Peak	
2 *	4825.2000	32.11	0.95	33.06	54.00	-20.94	AVG	

**REMARKS:**

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

Test Mode	TX G Mode 2437 MHz	Polarization	Vertical
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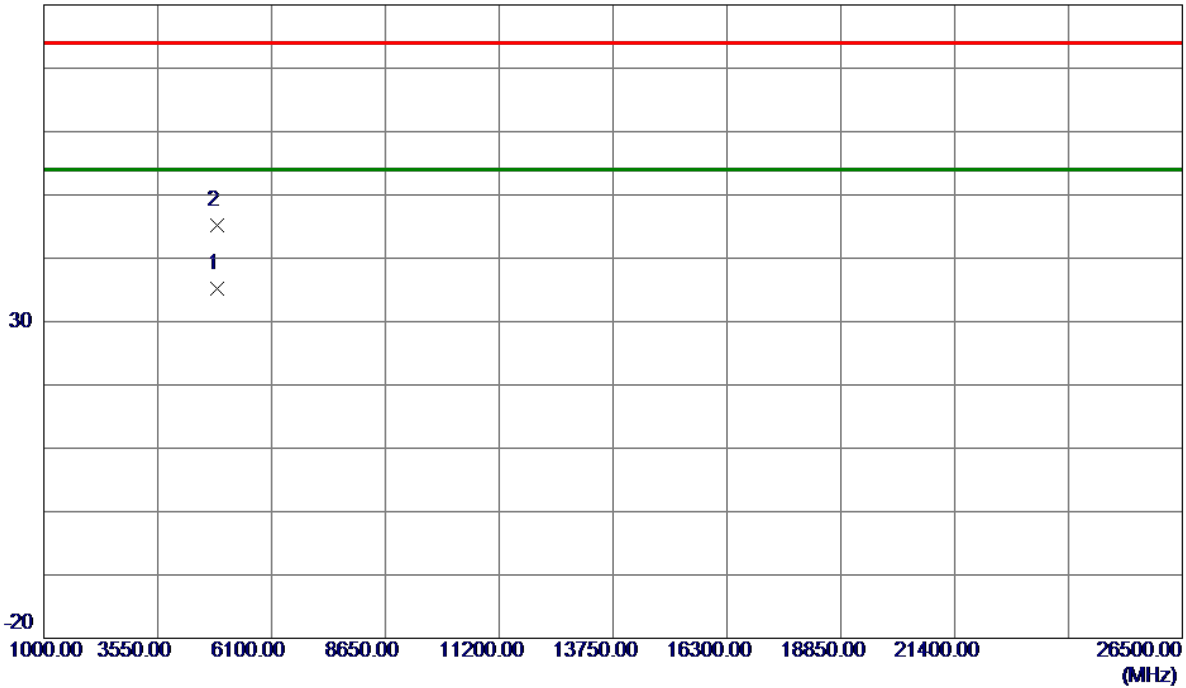
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	58.10	6.17	64.27	74.00	-9.73	Peak	
2	2390.0000	47.51	6.17	53.68	54.00	-0.32	AVG	
3	2438.6500	109.31	6.20	115.51	74.00	41.51	Peak	No Limit
4 *	2444.3500	100.91	6.20	107.11	54.00	53.11	AVG	No Limit

**REMARKS:**

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

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



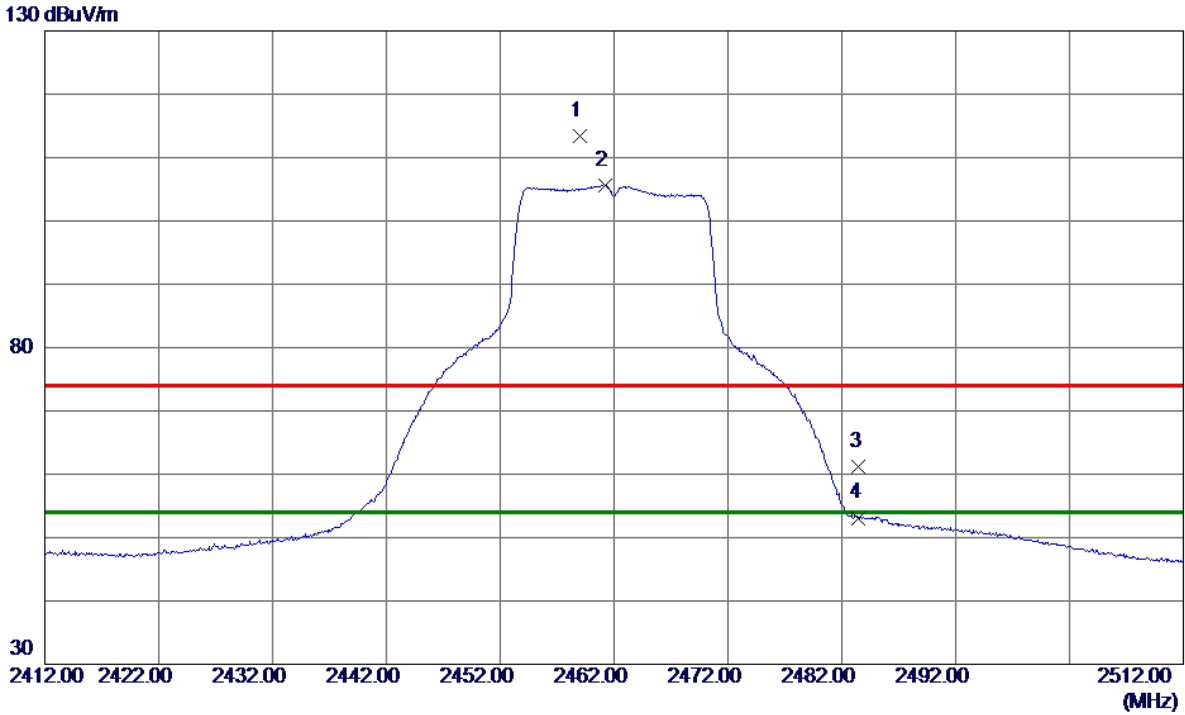
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4872.7500	34.05	1.08	35.13	54.00	-18.87	AVG	
2	4873.5500	44.15	1.08	45.23	74.00	-28.77	Peak	

**REMARKS:**

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



Test Mode	TX G Mode 2462 MHz	Polarization	Vertical
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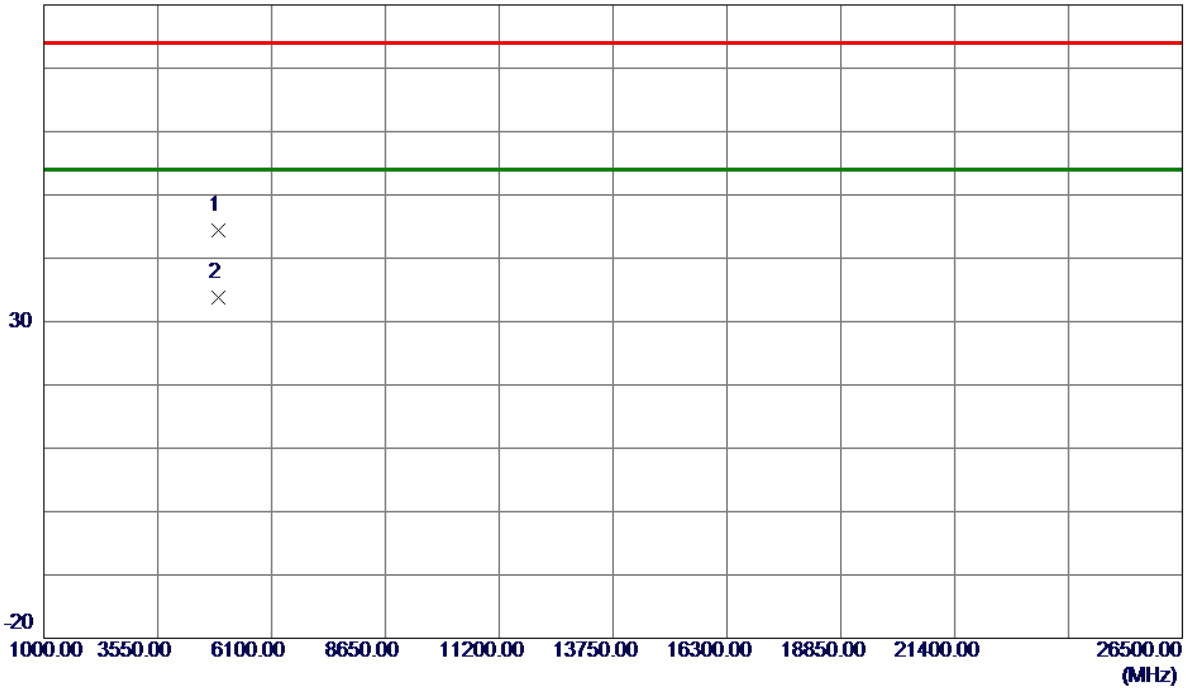
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2459.0000	107.27	6.21	113.48	74.00	39.48	Peak	No Limit
2 *	2461.2000	99.39	6.21	105.60	54.00	51.60	AVG	No Limit
3	2483.5000	55.00	6.23	61.23	74.00	-12.77	Peak	
4	2483.5000	46.87	6.23	53.10	54.00	-0.90	AVG	

**REMARKS:**

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

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

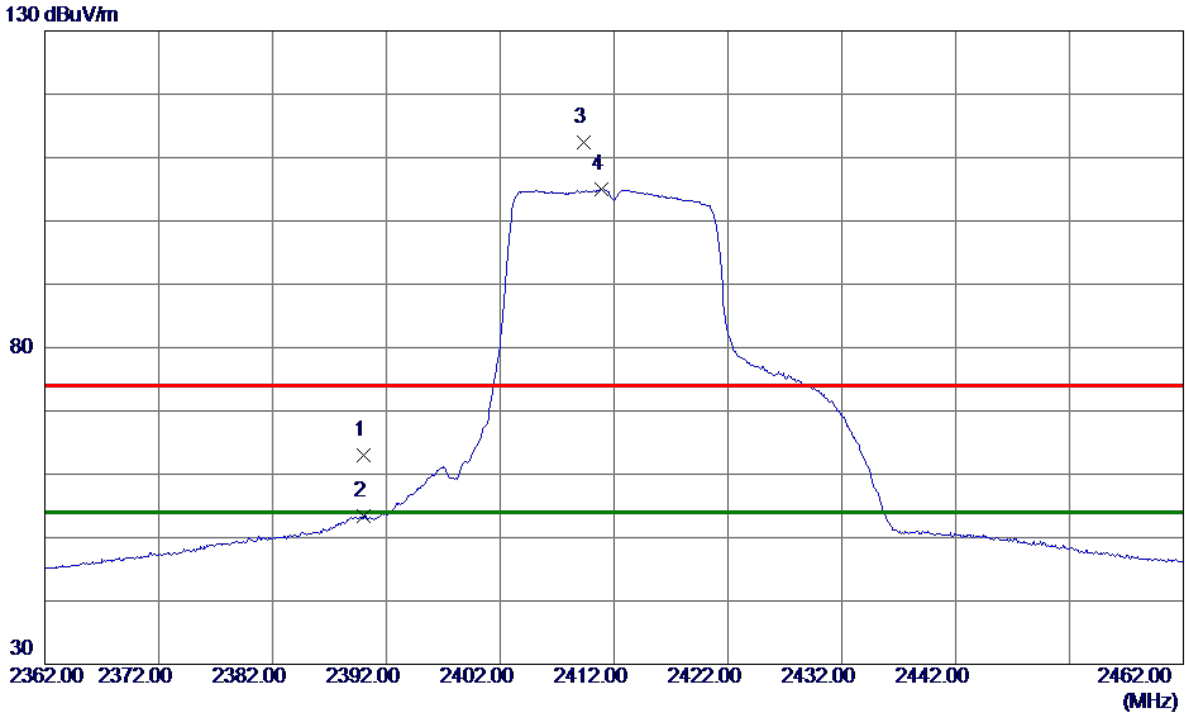


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4922.8500	43.29	1.20	44.49	74.00	-29.51	Peak	
2 *	4922.8500	32.59	1.20	33.79	54.00	-20.21	AVG	

**REMARKS:**

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

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Vertical
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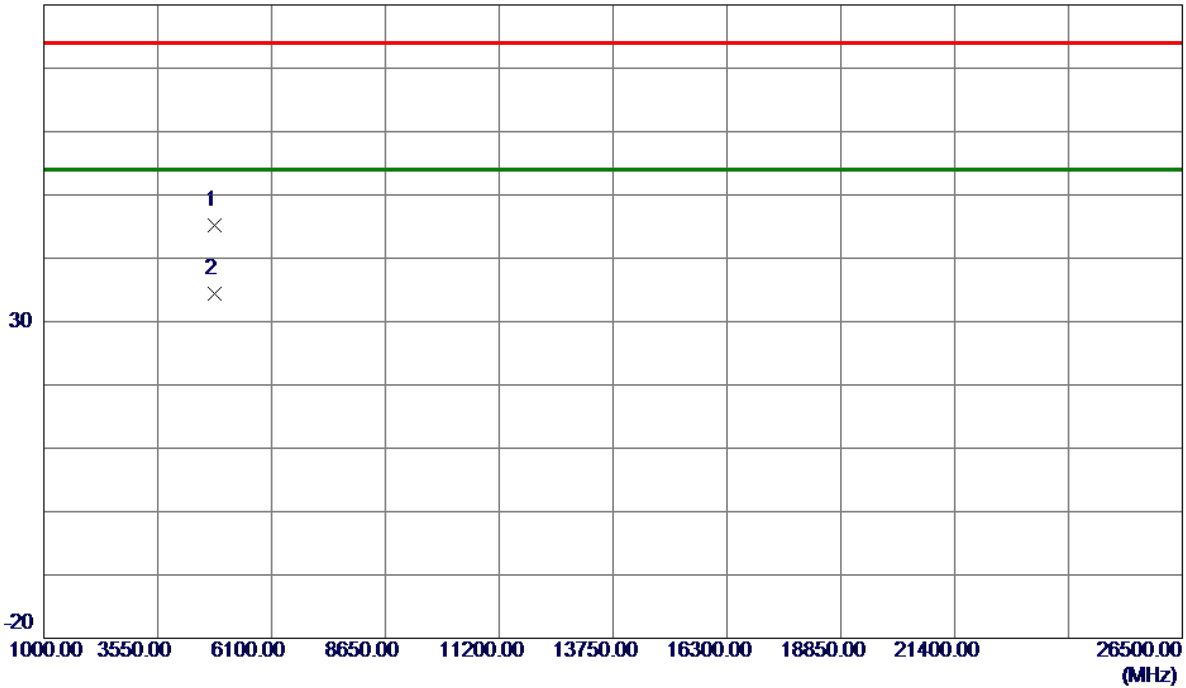
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	56.75	6.17	62.92	74.00	-11.08	Peak	
2	2390.0000	47.14	6.17	53.31	54.00	-0.69	AVG	
3	2409.3500	106.25	6.18	112.43	74.00	38.43	Peak	No Limit
4 *	2410.9000	98.88	6.18	105.06	54.00	51.06	AVG	No Limit

**REMARKS:**

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

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

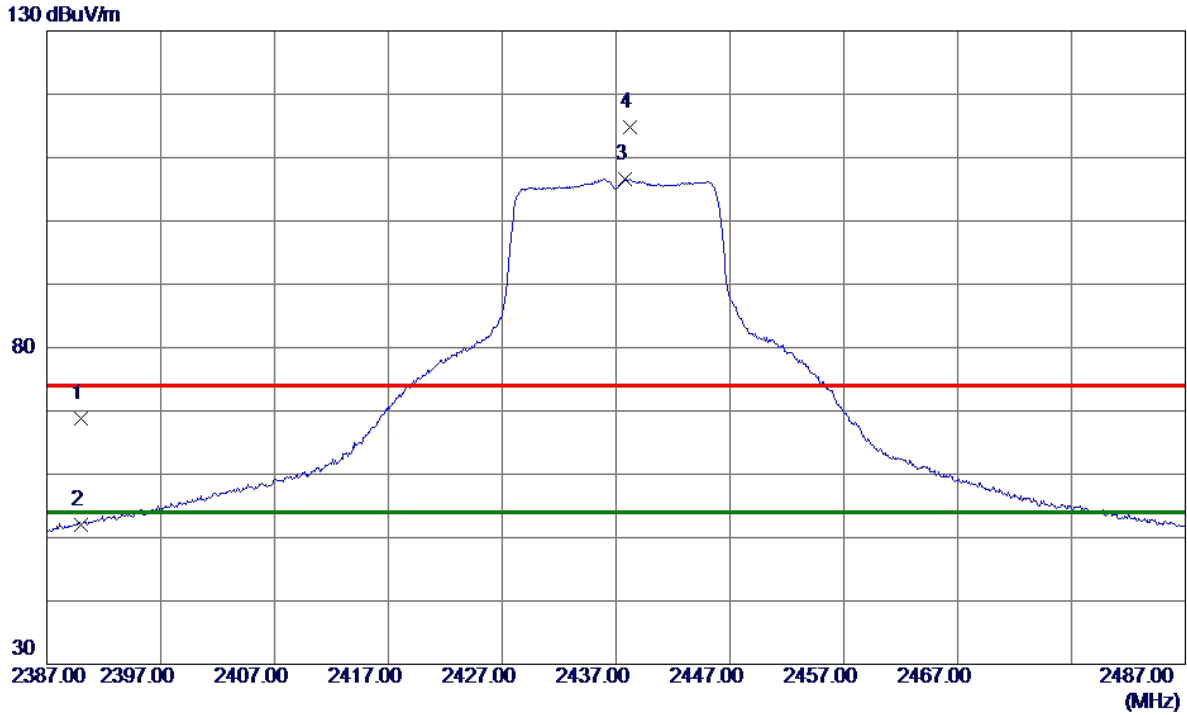


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4824.0500	44.18	0.95	45.13	74.00	-28.87	Peak	
2 *	4824.0500	33.48	0.95	34.43	54.00	-19.57	AVG	

**REMARKS:**

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

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Vertical
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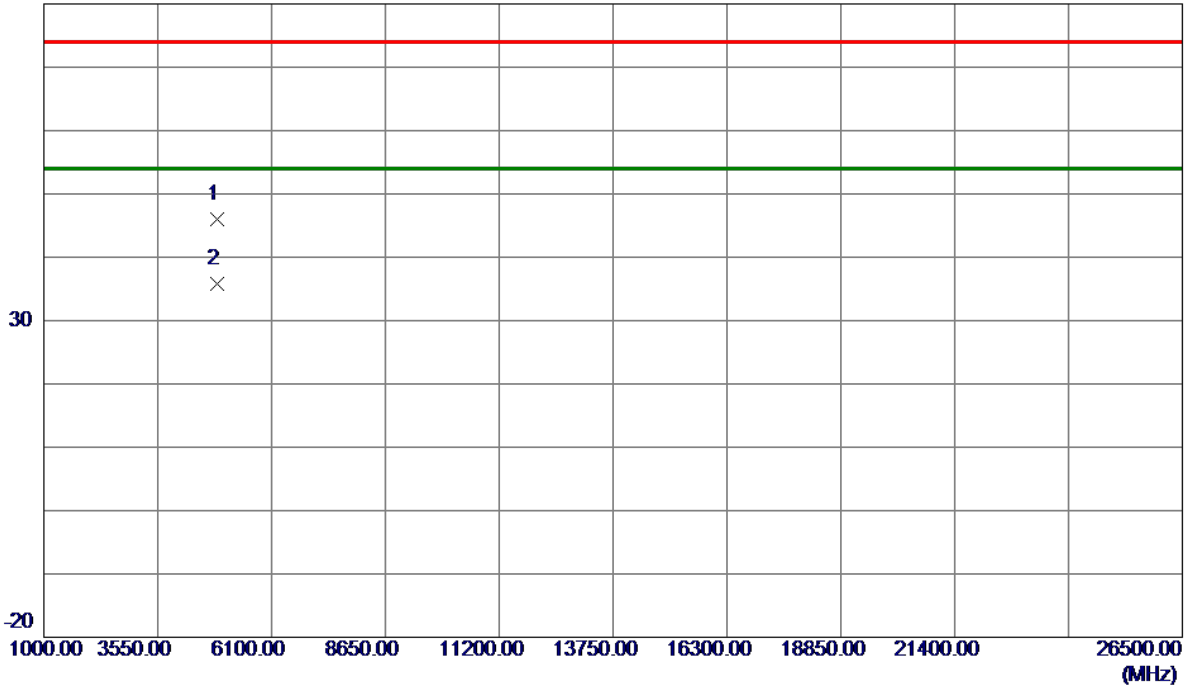
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	62.71	6.17	68.88	74.00	-5.12	Peak	
2	2390.0000	45.90	6.17	52.07	54.00	-1.93	AVG	
3 *	2437.8000	100.48	6.20	106.68	54.00	52.68	AVG	No Limit
4	2438.2000	108.67	6.20	114.87	74.00	40.87	Peak	No Limit

**REMARKS:**

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

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Vertical
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80 dBuV/m

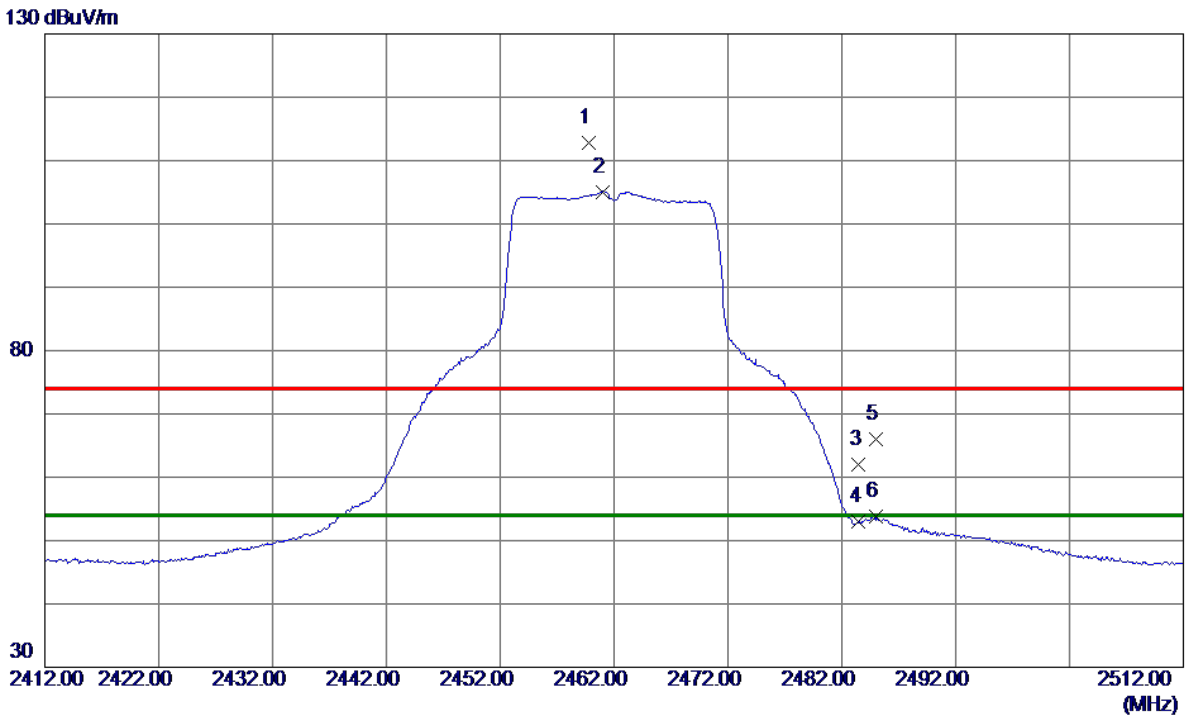


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.0500	44.88	1.08	45.96	74.00	-28.04	Peak	
2 *	4874.0500	34.76	1.08	35.84	54.00	-18.16	AVG	

**REMARKS:**

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

Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Vertical
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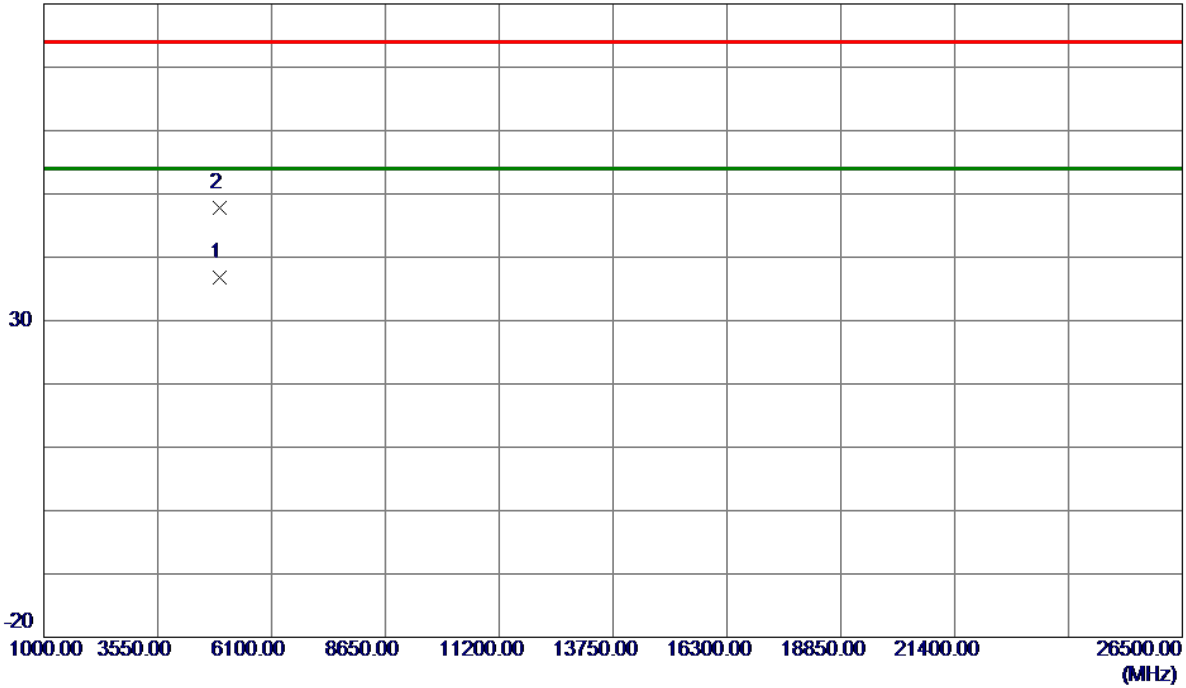
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2459.8000	106.56	6.21	112.77	74.00	38.77	Peak	No Limit
2 *	2461.0000	98.89	6.21	105.10	54.00	51.10	AVG	No Limit
3	2483.5000	55.73	6.23	61.96	74.00	-12.04	Peak	
4	2483.5000	46.84	6.23	53.07	74.00	-20.93	Peak	
5	2485.0000	59.79	6.23	66.02	74.00	-7.98	Peak	
6	2485.0000	47.56	6.23	53.79	54.00	-0.21	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	Vertical
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80 dBuV/m



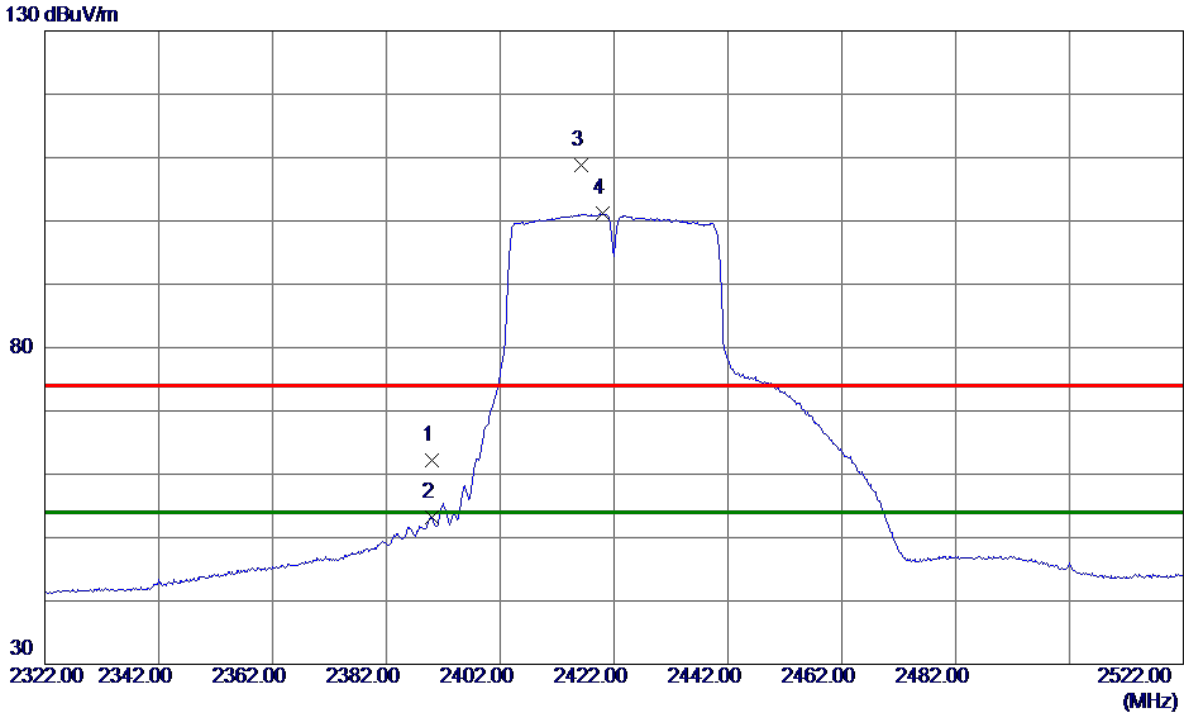
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4926.4500	35.53	1.21	36.74	54.00	-17.26	AVG	
2	4926.6000	46.58	1.21	47.79	74.00	-26.21	Peak	

**REMARKS:**

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



Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Vertical
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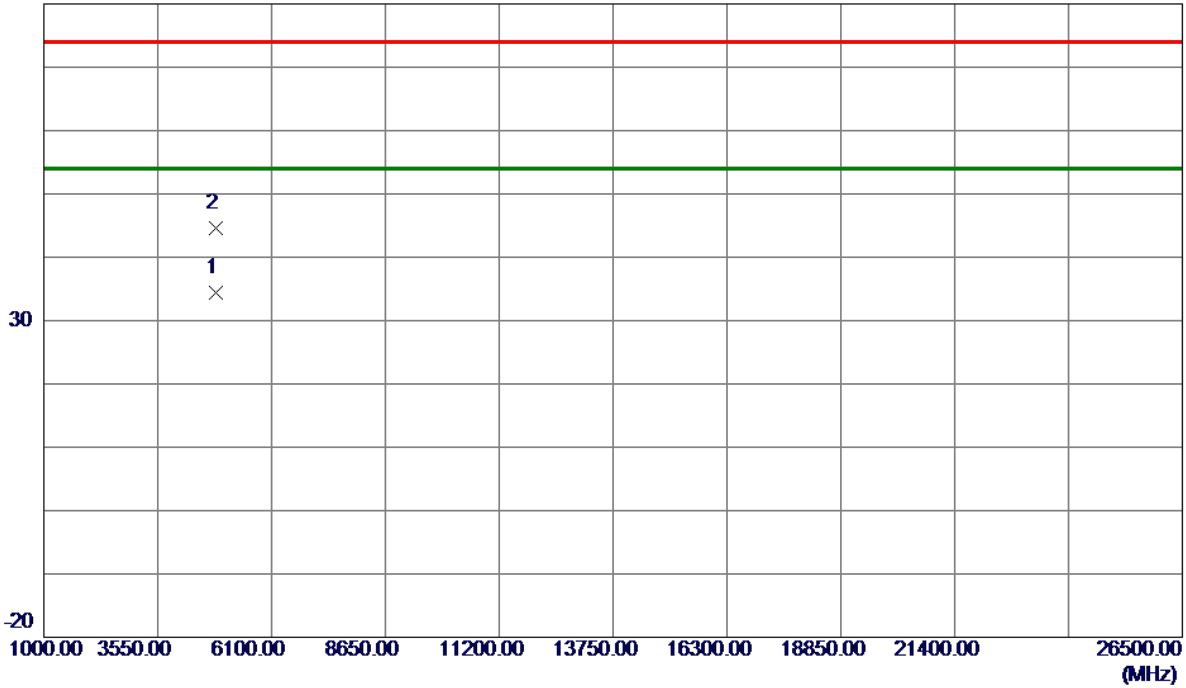
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	55.94	6.17	62.11	74.00	-11.89	Peak	
2	2390.0000	47.12	6.17	53.29	54.00	-0.71	AVG	
3	2416.2000	102.70	6.18	108.88	74.00	34.88	Peak	No Limit
4 *	2420.0000	95.05	6.19	101.24	54.00	47.24	AVG	No Limit

**REMARKS:**

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

Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Vertical
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80 dBuV/m

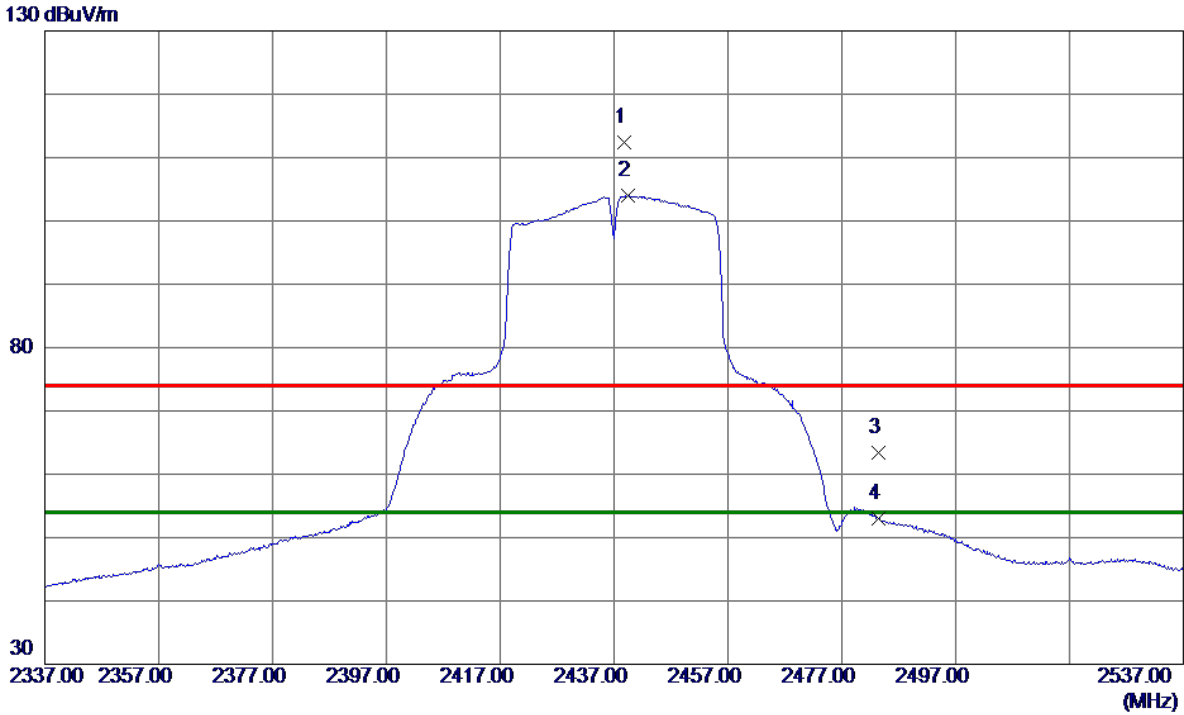


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4844.2500	33.43	1.00	34.43	54.00	-19.57	AVG	
2	4851.7000	43.49	1.02	44.51	74.00	-29.49	Peak	

**REMARKS:**

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

Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Vertical
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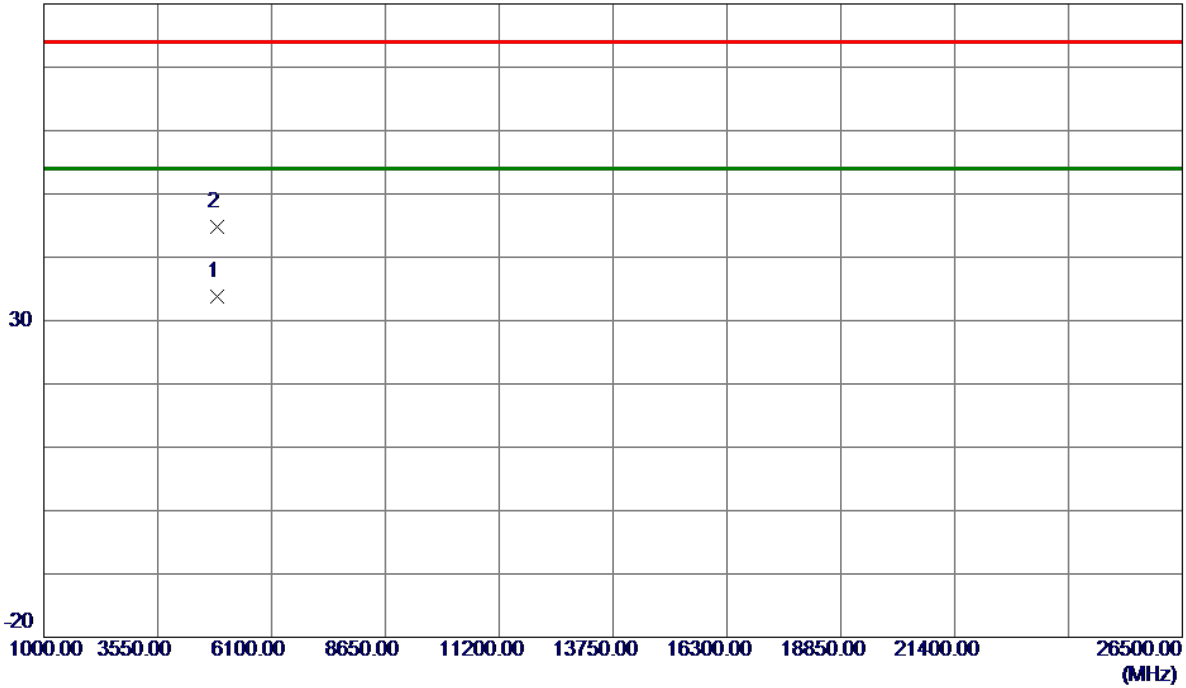
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2438.8000	106.28	6.20	112.48	74.00	38.48	Peak	No Limit
2 *	2439.5000	97.79	6.20	103.99	54.00	49.99	AVG	No Limit
3	2483.5000	57.23	6.23	63.46	74.00	-10.54	Peak	
4	2483.5000	46.79	6.23	53.02	54.00	-0.98	AVG	

**REMARKS:**

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

Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Vertical
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80 dBuV/m

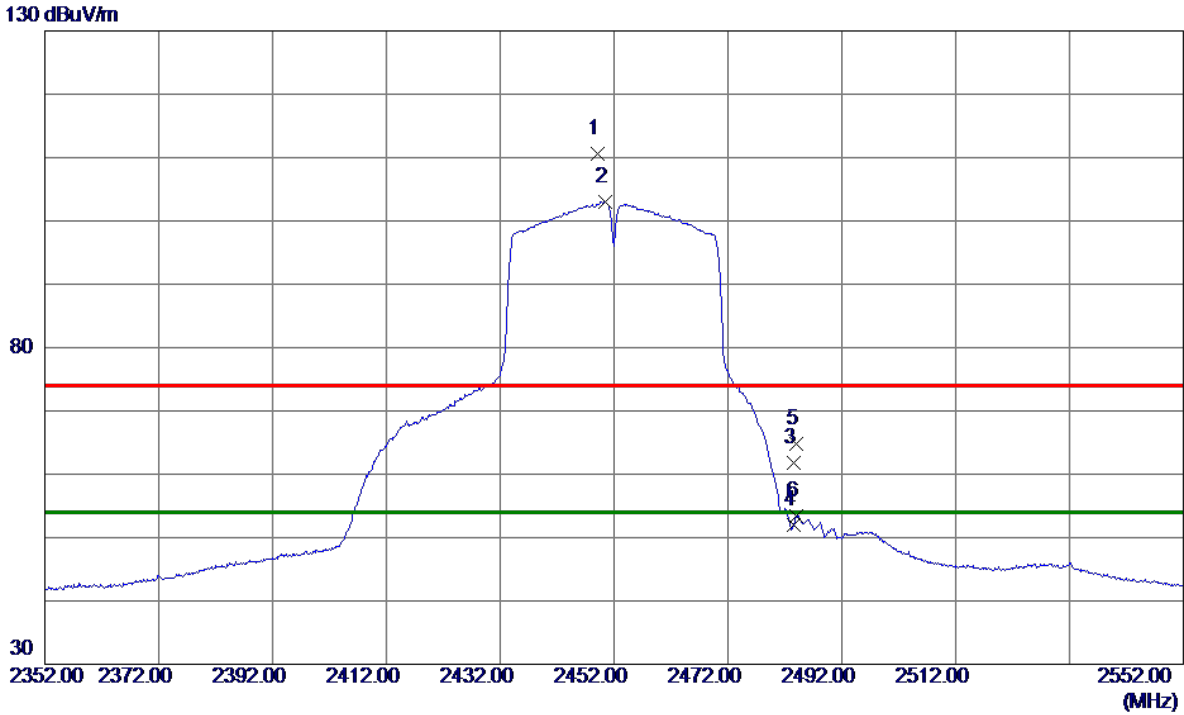


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4878.9500	32.71	1.09	33.80	54.00	-20.20	AVG	
2	4889.1000	43.60	1.12	44.72	74.00	-29.28	Peak	

**REMARKS:**

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

Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Vertical
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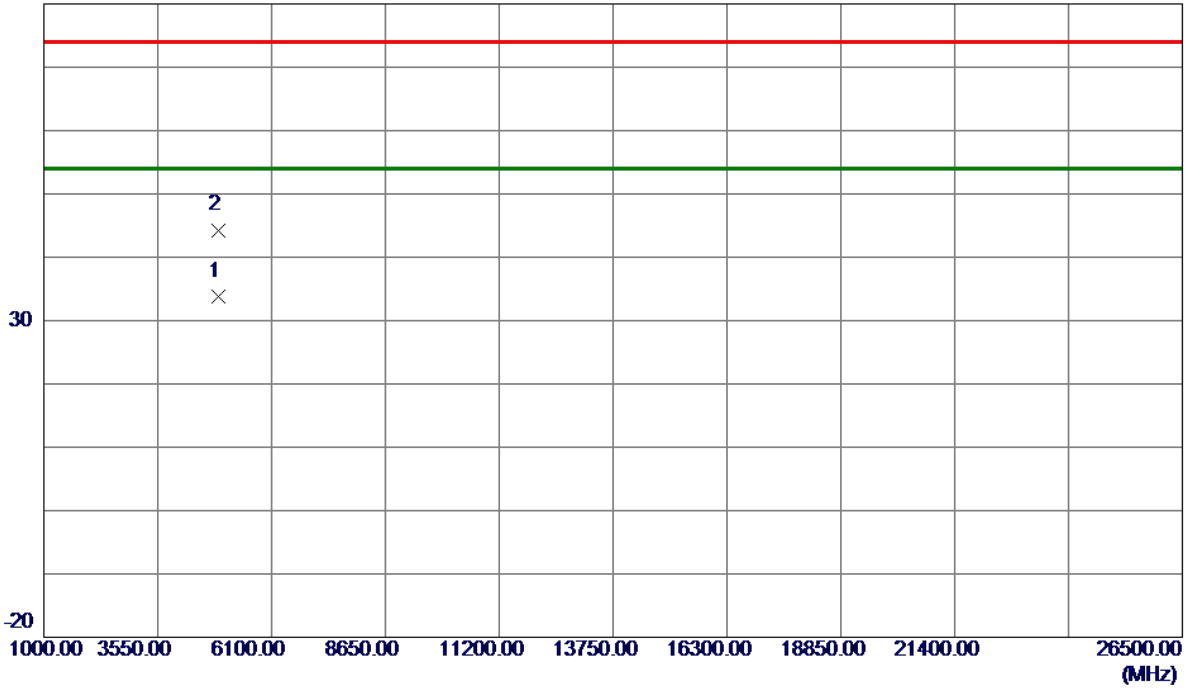
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2449.2000	104.33	6.21	110.54	74.00	36.54	Peak	No Limit
2 *	2450.4000	96.84	6.21	103.05	54.00	49.05	AVG	No Limit
3	2483.5000	55.66	6.23	61.89	74.00	-12.11	Peak	
4	2483.5000	45.86	6.23	52.09	54.00	-1.91	AVG	
5	2484.1000	58.50	6.23	64.73	74.00	-9.27	Peak	
6	2484.1000	47.21	6.23	53.44	54.00	-0.56	AVG	

**REMARKS:**

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

Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Vertical
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80 dBuV/m

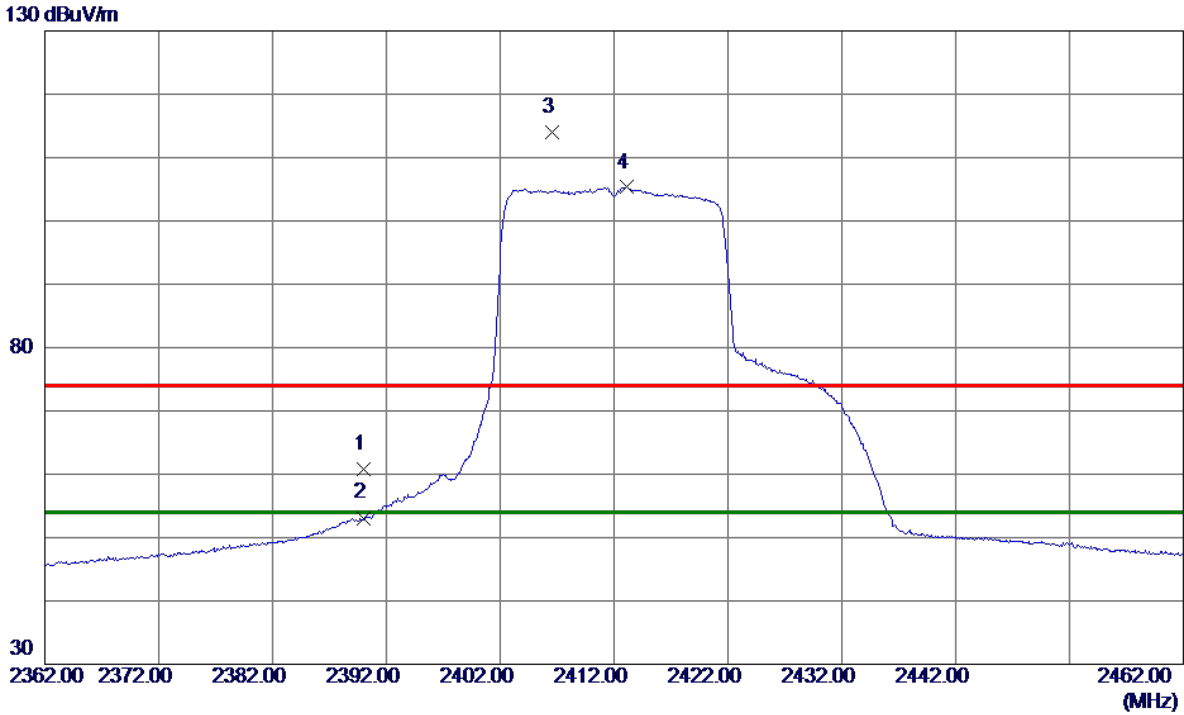


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4896.4500	32.64	1.14	33.78	54.00	-20.22	AVG	
2	4904.0500	43.14	1.16	44.30	74.00	-29.70	Peak	

**REMARKS:**

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

Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	Vertical
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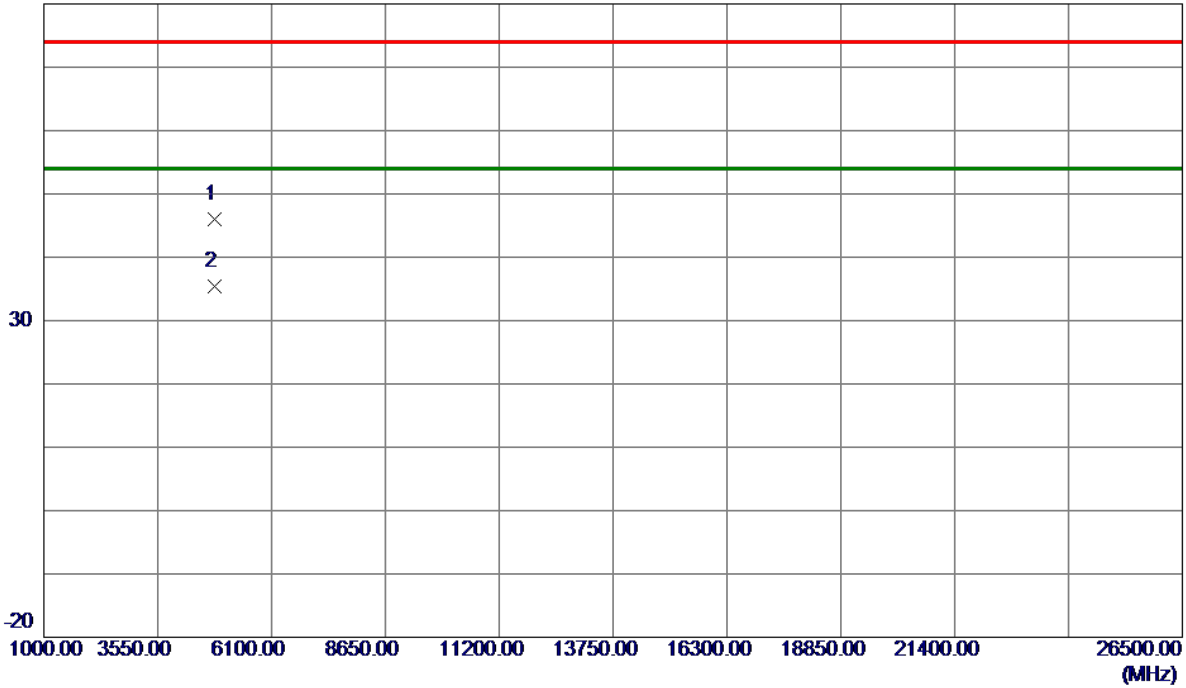
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	54.63	6.17	60.80	74.00	-13.20	Peak	
2	2390.0000	46.93	6.17	53.10	54.00	-0.90	AVG	
3	2406.6000	107.84	6.18	114.02	74.00	40.02	Peak	No Limit
4 *	2413.1500	99.12	6.18	105.30	54.00	51.30	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	Vertical
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80 dBuV/m



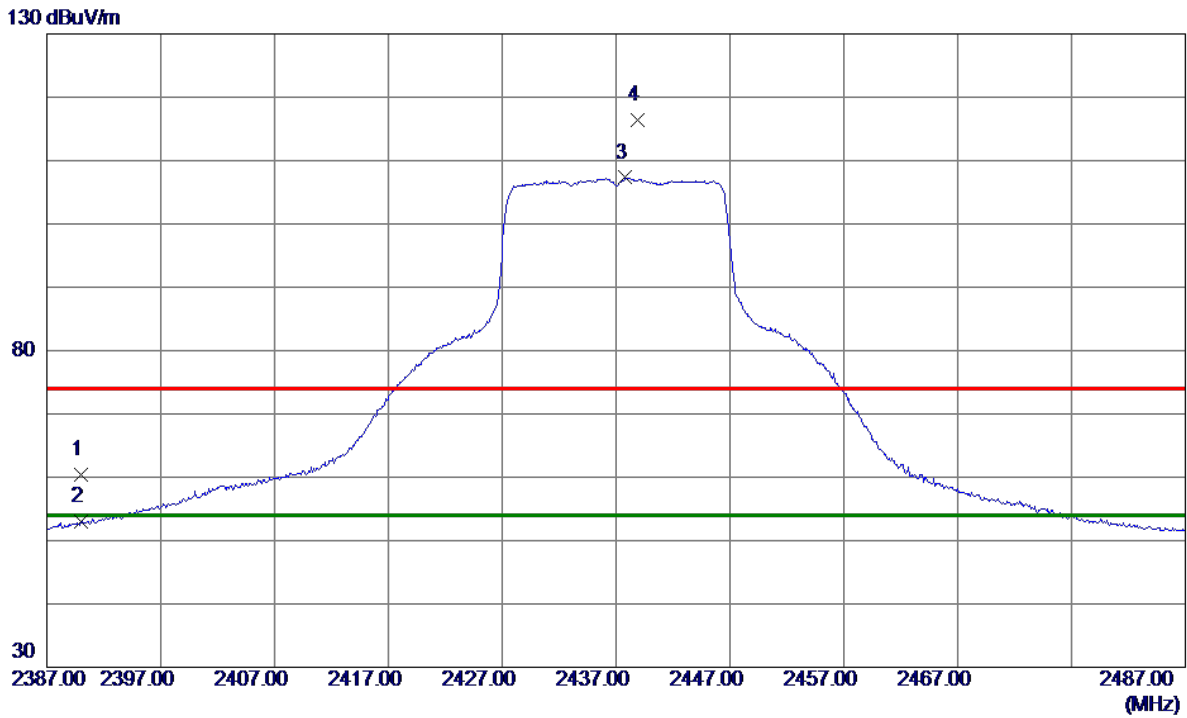
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4819.3500	45.08	0.94	46.02	74.00	-27.98	Peak	
2 *	4824.2000	34.50	0.95	35.45	54.00	-18.55	AVG	

**REMARKS:**

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



Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Vertical
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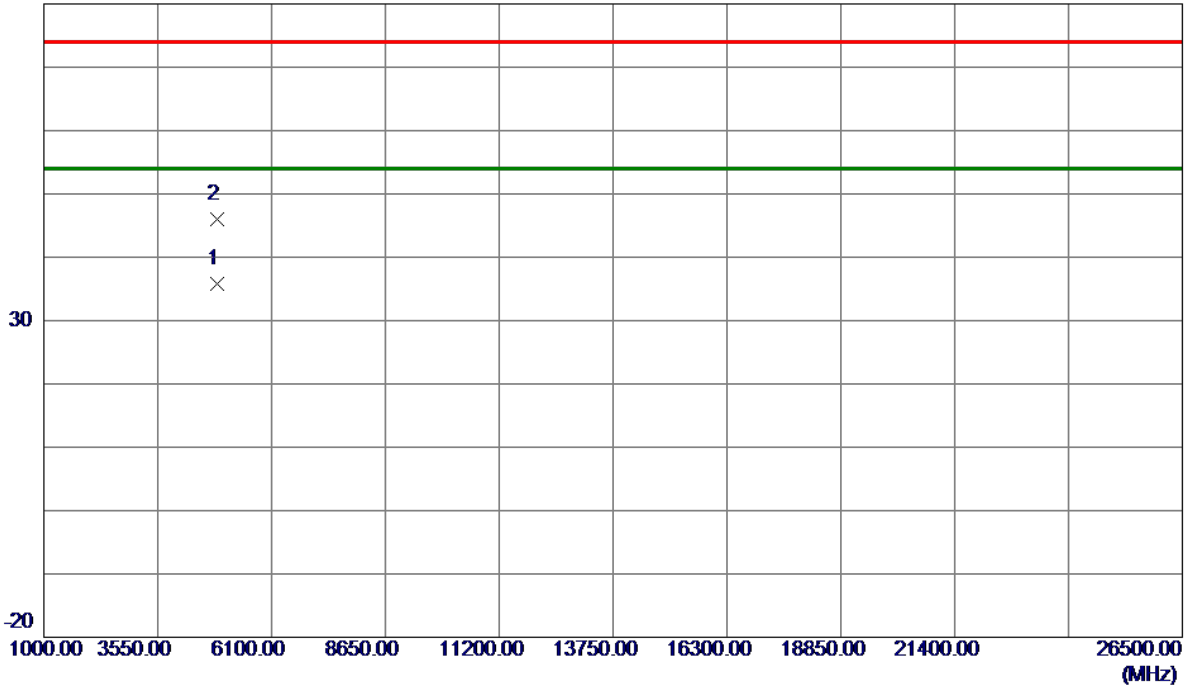
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	54.31	6.17	60.48	74.00	-13.52	Peak	
2	2390.0000	46.84	6.17	53.01	54.00	-0.99	AVG	
3 *	2437.8000	101.10	6.20	107.30	54.00	53.30	AVG	No Limit
4	2438.8500	110.20	6.20	116.40	74.00	42.40	Peak	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	Vertical
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80 dBuV/m

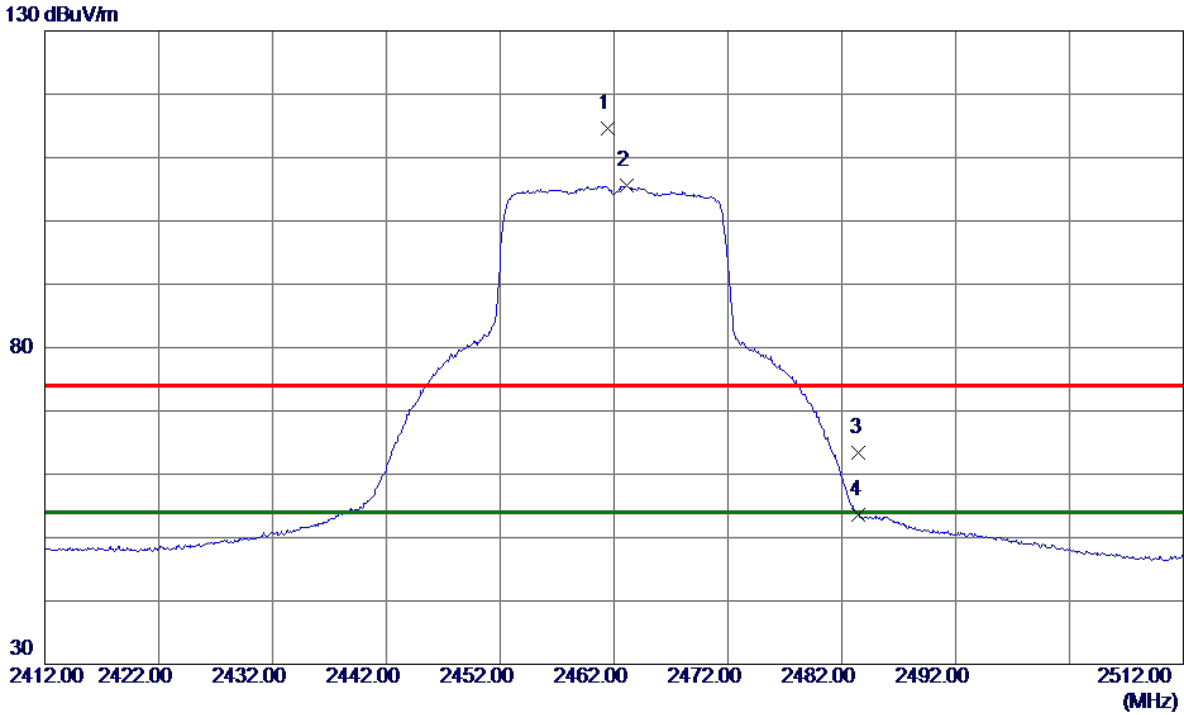


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4871.8500	34.77	1.07	35.84	54.00	-18.16	AVG	
2	4875.2000	44.94	1.08	46.02	74.00	-27.98	Peak	

**REMARKS:**

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

Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Vertical
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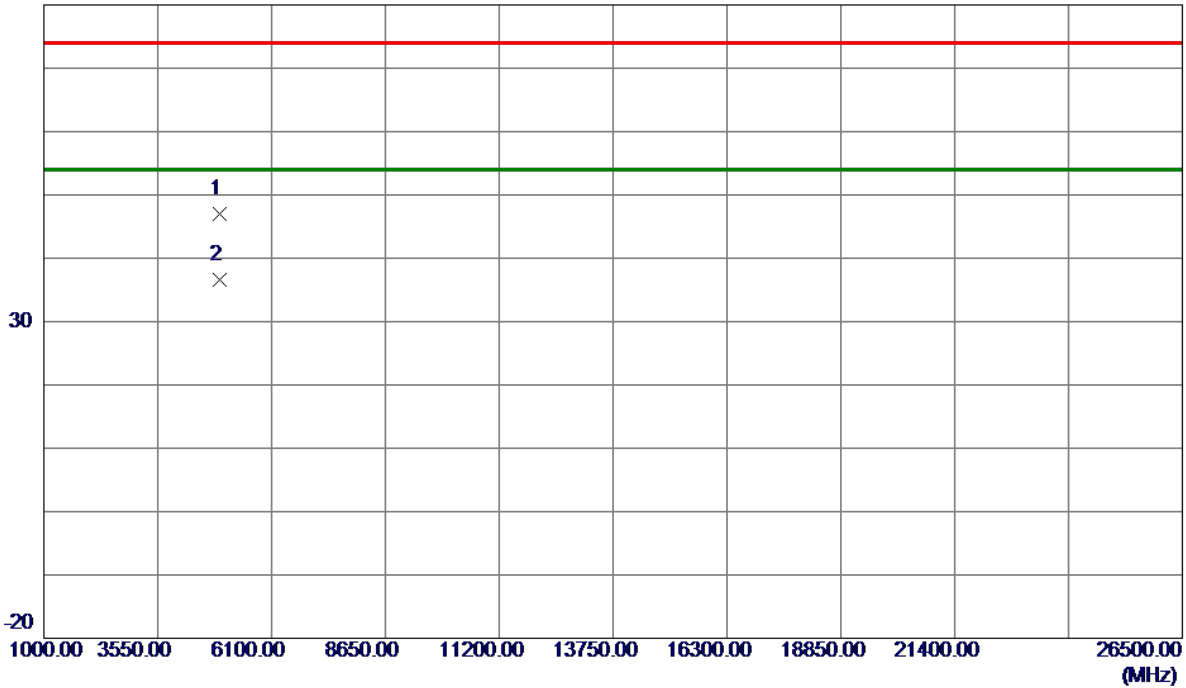
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.4000	108.38	6.21	114.59	74.00	40.59	Peak	No Limit
2 *	2463.1500	99.37	6.22	105.59	54.00	51.59	AVG	No Limit
3	2483.5000	57.20	6.23	63.43	74.00	-10.57	Peak	
4	2483.5000	47.28	6.23	53.51	54.00	-0.49	AVG	

**REMARKS:**

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

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

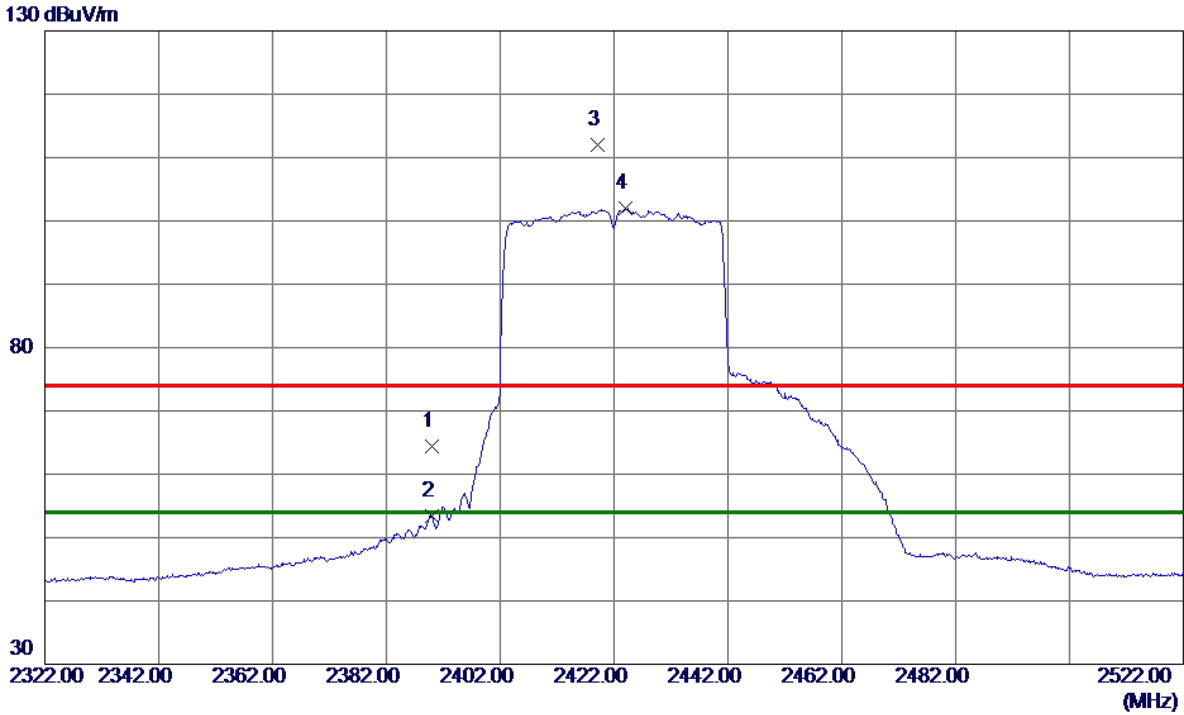


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4926.4000	45.75	1.21	46.96	74.00	-27.04	Peak	
2 *	4926.7000	35.31	1.21	36.52	54.00	-17.48	AVG	

**REMARKS:**

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

Test Mode	TX AX(HE40) Mode 2422 MHz	Polarization	Vertical
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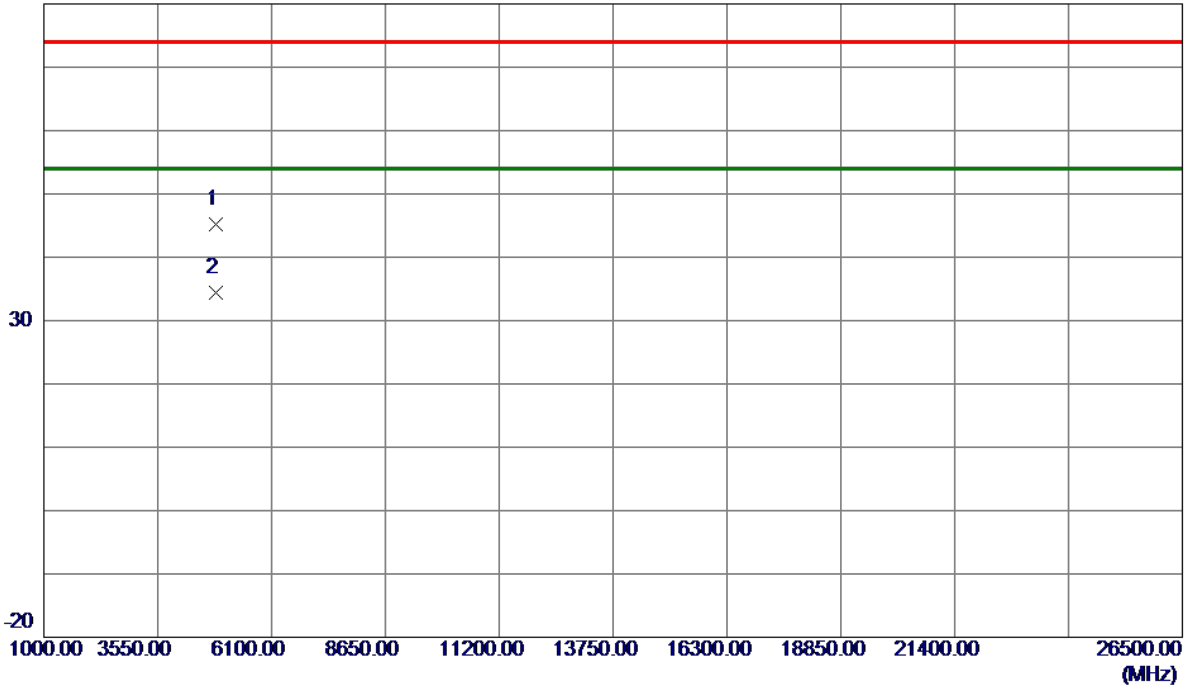
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	58.31	6.17	64.48	74.00	-9.52	Peak	
2	2390.0000	47.27	6.17	53.44	54.00	-0.56	AVG	
3	2419.2000	105.83	6.19	112.02	74.00	38.02	Peak	No Limit
4 *	2424.1000	95.75	6.19	101.94	54.00	47.94	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	Vertical
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80 dBuV/m

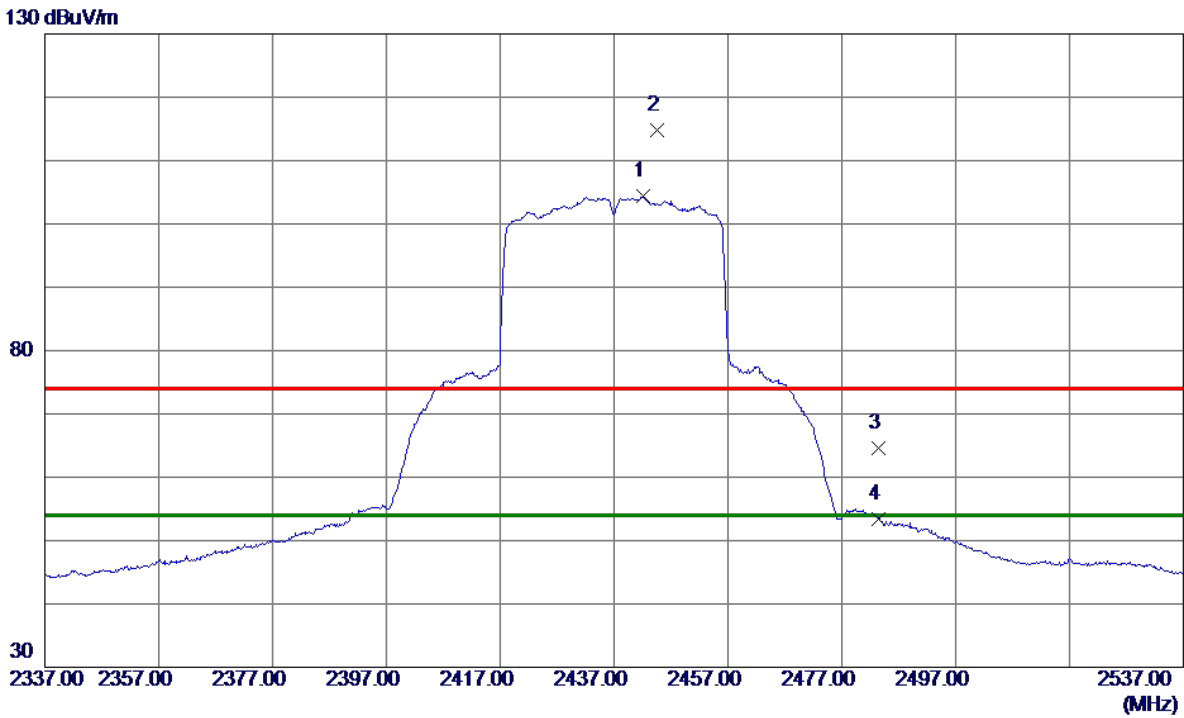


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4845.4500	44.15	1.01	45.16	74.00	-28.84	Peak	
2 *	4849.0500	33.45	1.01	34.46	54.00	-19.54	AVG	

**REMARKS:**

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

Test Mode	TX AX(HE40) Mode 2437 MHz	Polarization	Vertical
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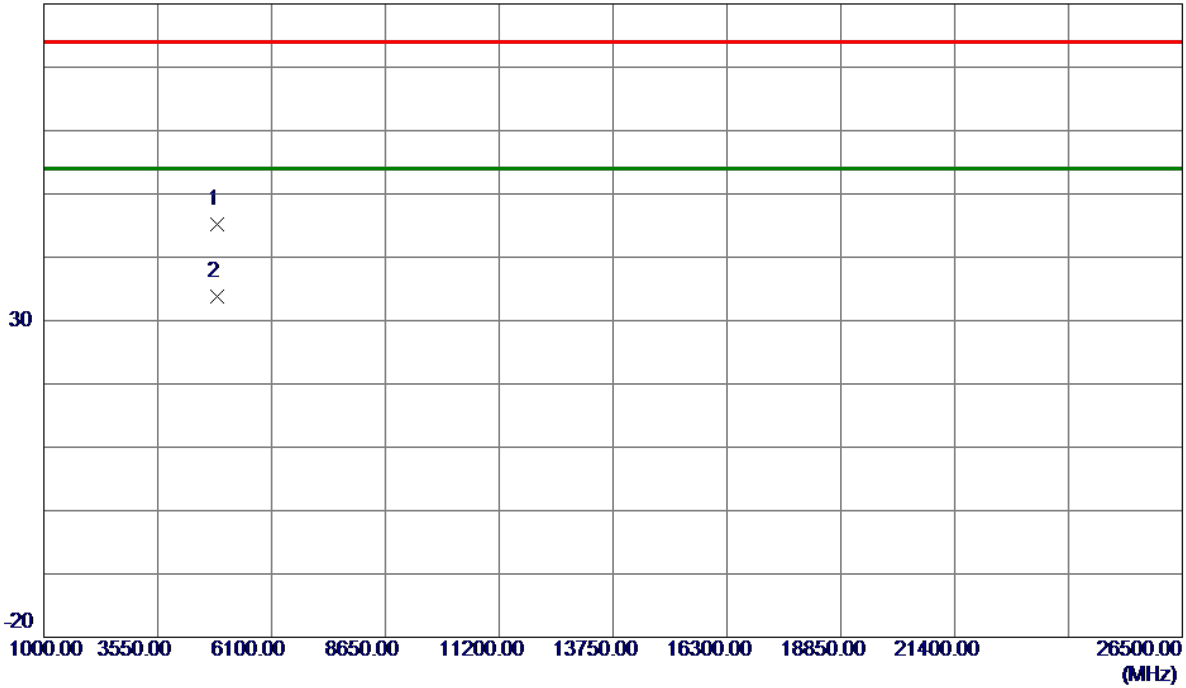
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2442.1000	98.16	6.20	104.36	54.00	50.36	AVG	No Limit
2	2444.6000	108.59	6.20	114.79	74.00	40.79	Peak	No Limit
3	2483.5000	58.35	6.23	64.58	74.00	-9.42	Peak	
4	2483.5000	47.14	6.23	53.37	54.00	-0.63	AVG	

**REMARKS:**

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

Test Mode	TX AX(HE40) Mode 2437 MHz	Polarization	Vertical
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80 dBuV/m



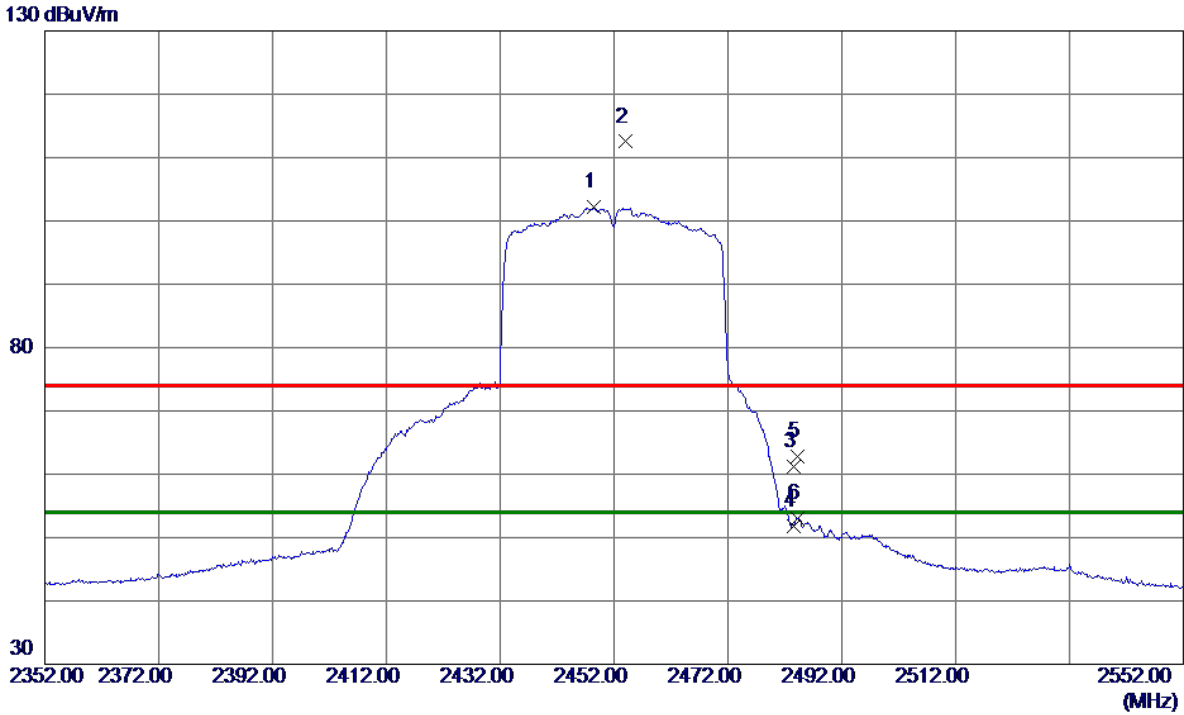
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4881.2500	44.13	1.10	45.23	74.00	-28.77	Peak	
2 *	4881.5500	32.76	1.10	33.86	54.00	-20.14	AVG	

REMARKS:

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



Test Mode	TX AX(HE40) Mode 2452 MHz	Polarization	Vertical
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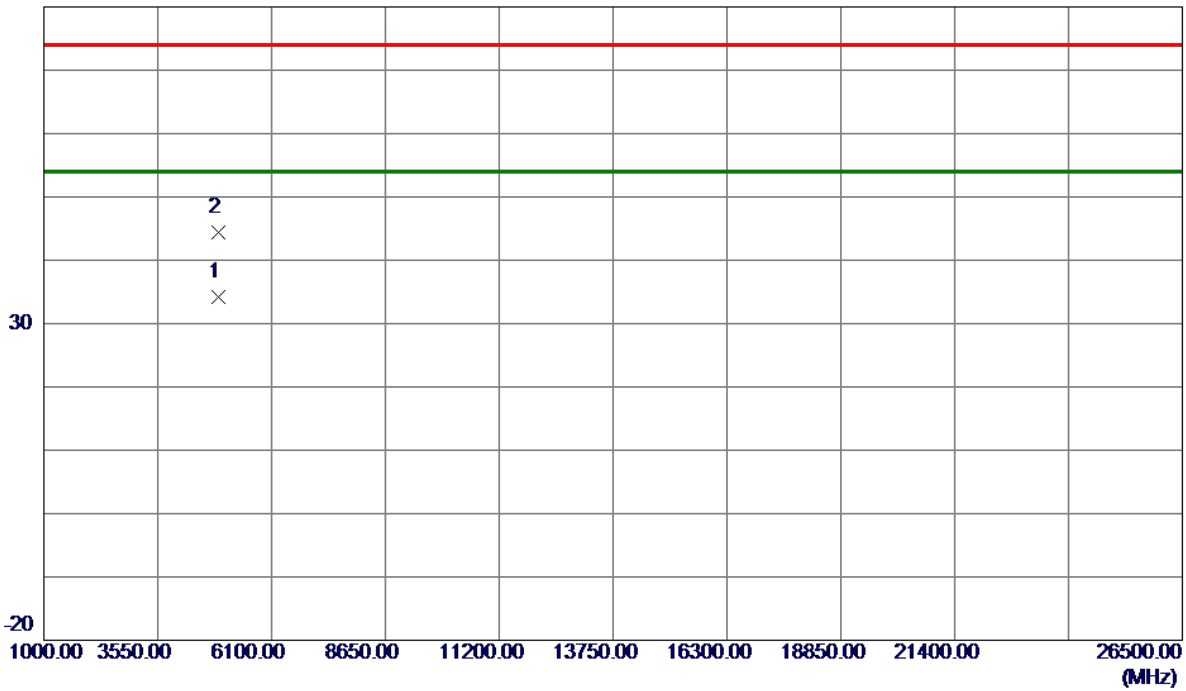
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2448.4000	95.98	6.21	102.19	54.00	48.19	AVG	No Limit
2	2453.9000	106.29	6.21	112.50	74.00	38.50	Peak	No Limit
3	2483.5000	55.02	6.23	61.25	74.00	-12.75	Peak	
4	2483.5000	45.51	6.23	51.74	54.00	-2.26	AVG	
5	2484.3000	56.53	6.23	62.76	74.00	-11.24	Peak	
6	2484.3000	46.81	6.23	53.04	54.00	-0.96	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	Vertical
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80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4899.1000	33.05	1.14	34.19	54.00	-19.81	AVG	
2	4911.7000	43.27	1.17	44.44	74.00	-29.56	Peak	

**REMARKS:**

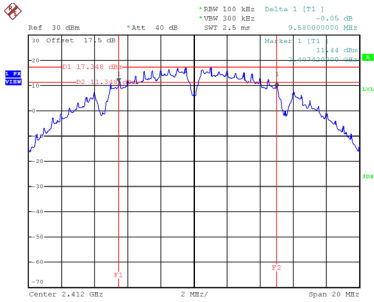
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

## APPENDIX E - BANDWIDTH

Test Mode	TX B Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	9.580	14.640	0.5	Complies
06	2437	9.630	15.760	0.5	Complies
11	2462	10.100	14.640	0.5	Complies

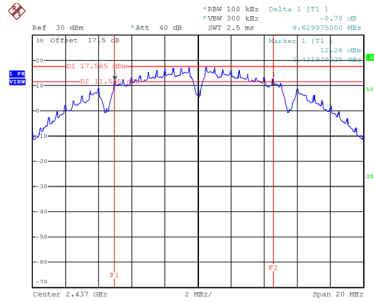
**CH01**



Date: 11.DEC.2023 16:38:43

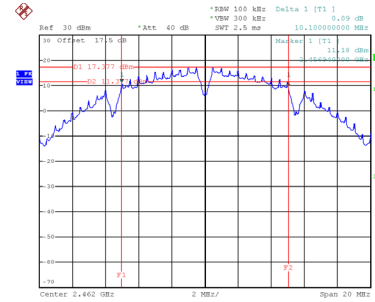
**CH06**

**6 dB Bandwidth**



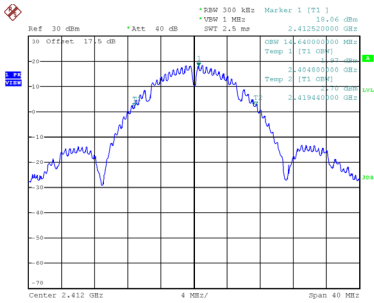
Date: 11.DEC.2023 16:58:53

**CH11**

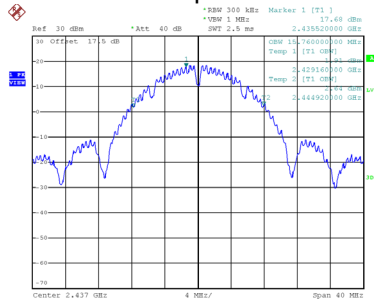


Date: 11.DEC.2023 16:49:57

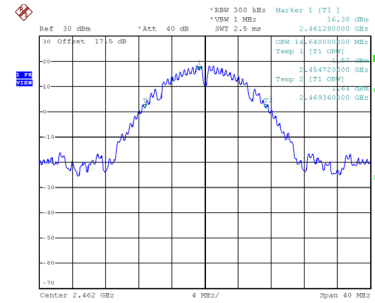
**99 % Occupied Bandwidth**



Date: 11.DEC.2023 16:38:51



Date: 11.DEC.2023 16:59:01

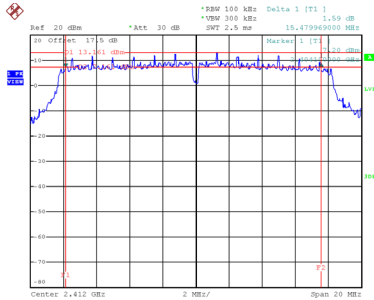


Date: 11.DEC.2023 16:50:06

Test Mode	TX G Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	15.480	17.760	0.5	Complies
06	2437	16.370	25.520	0.5	Complies
11	2462	15.760	21.200	0.5	Complies

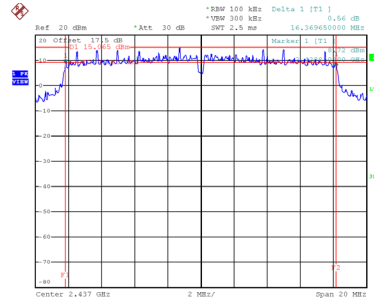
**CH01**



Date: 11.DEC.2023 17:05:42

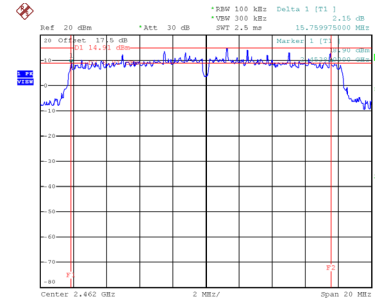
**CH06**

**6 dB Bandwidth**



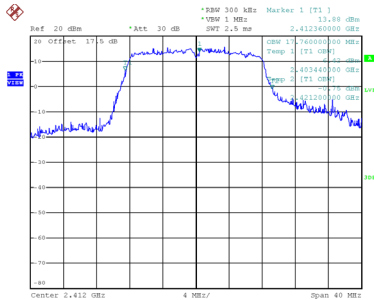
Date: 11.DEC.2023 17:07:21

**CH11**

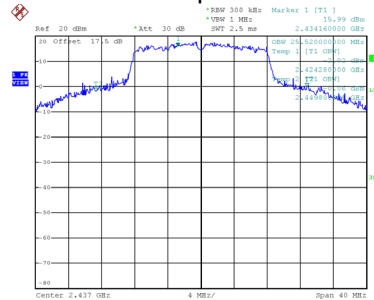


Date: 11.DEC.2023 17:09:31

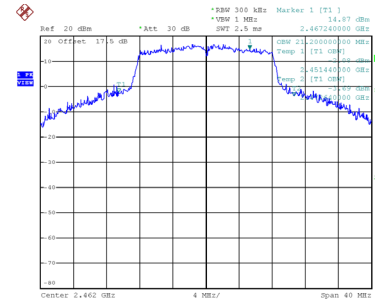
**99 % Occupied Bandwidth**



Date: 11.DEC.2023 17:05:50



Date: 11.DEC.2023 17:07:30

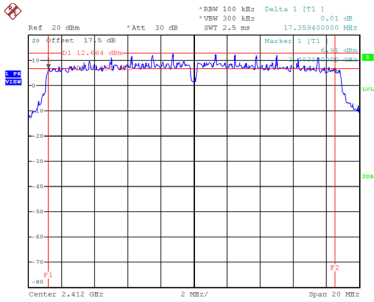


Date: 11.DEC.2023 17:09:39

Test Mode	TX N(HT20) Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	17.359	18.560	0.5	Complies
06	2437	16.580	23.760	0.5	Complies
11	2462	16.830	21.680	0.5	Complies

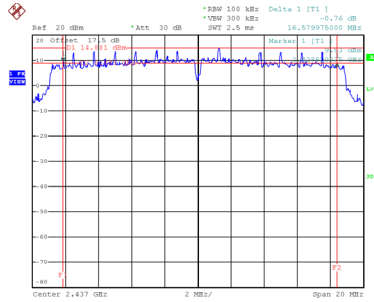
**CH01**



Date: 11.DEC.2023 17:16:05

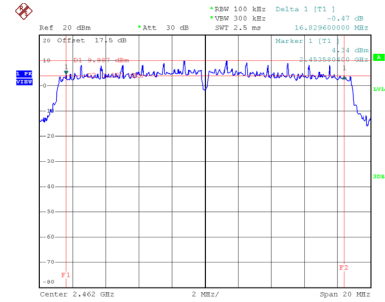
**CH06**

**6 dB Bandwidth**



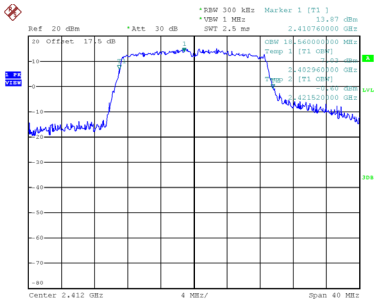
Date: 11.DEC.2023 17:21:29

**CH11**

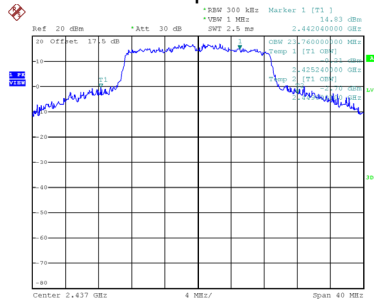


Date: 9.JAN.2024 22:19:01

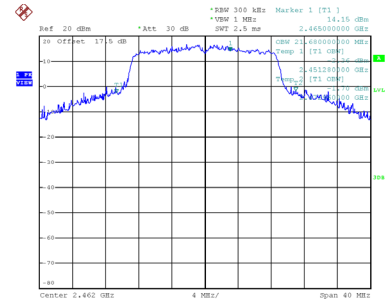
**99 % Occupied Bandwidth**



Date: 11.DEC.2023 17:16:14



Date: 11.DEC.2023 17:21:38

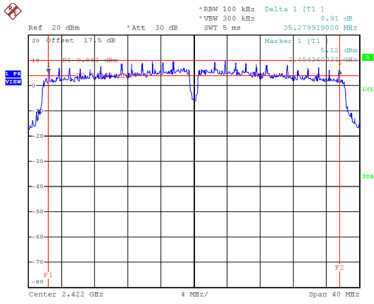


Date: 11.DEC.2023 17:18:44

Test Mode	TX N(HT40) Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	35.280	37.280	0.5	Complies
06	2437	35.159	53.600	0.5	Complies
09	2452	35.240	40.320	0.5	Complies

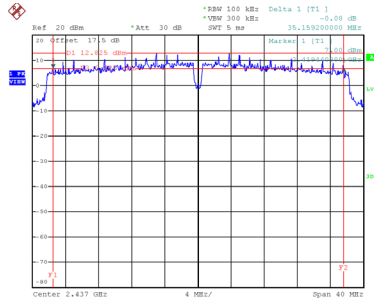
**CH03**



Date: 11.DEC.2023 17:25:32

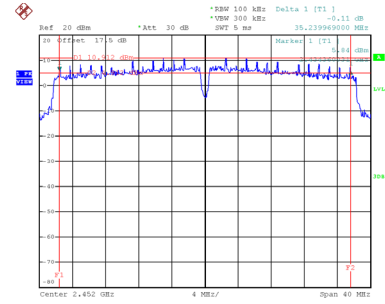
**CH06**

**6 dB Bandwidth**



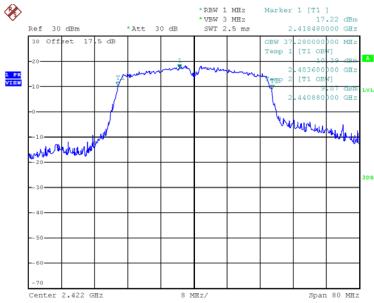
Date: 11.DEC.2023 17:36:54

**CH09**

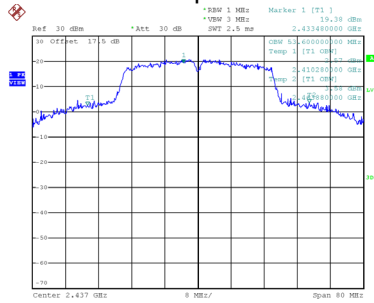


Date: 11.DEC.2023 17:28:12

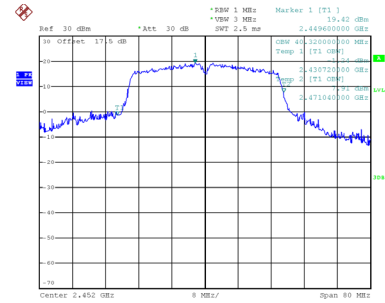
**99 % Occupied Bandwidth**



Date: 11.DEC.2023 17:25:58



Date: 11.DEC.2023 17:35:03

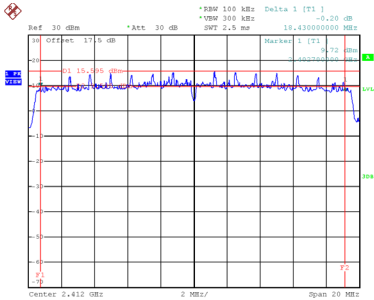


Date: 11.DEC.2023 17:28:48

Test Mode	TX AX(HE20) Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	18.430	23.920	0.5	Complies
06	2437	17.830	24.240	0.5	Complies
11	2462	16.820	25.440	0.5	Complies

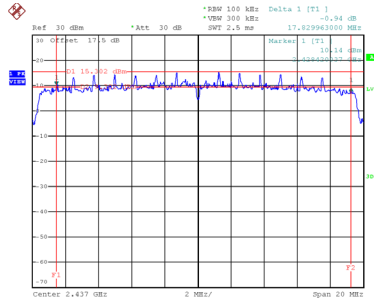
**CH01**



Date: 29\_DEC.2023 17:45:28

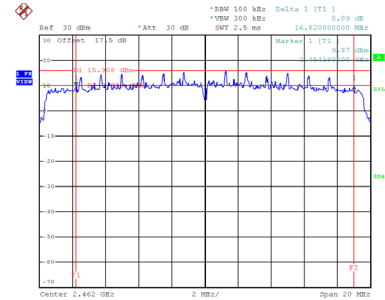
**CH06**

**6 dB Bandwidth**



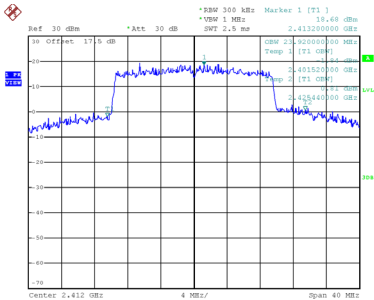
Date: 29\_DEC.2023 17:46:49

**CH11**

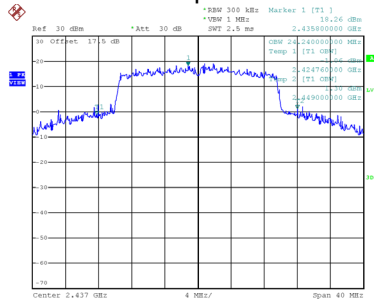


Date: 29\_DEC.2023 17:48:10

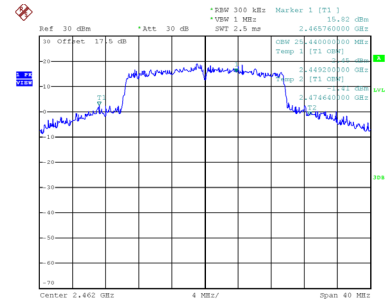
**99 % Occupied Bandwidth**



Date: 29\_DEC.2023 17:45:36



Date: 29\_DEC.2023 17:46:58



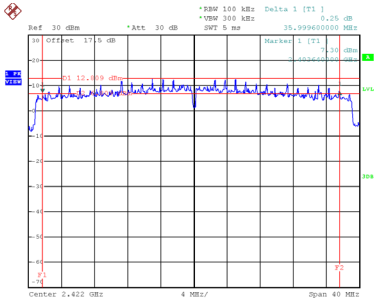
Date: 29\_DEC.2023 17:48:19



Test Mode	TX AX(HE40) Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	36.000	51.360	0.5	Complies
06	2437	35.909	49.440	0.5	Complies
09	2452	36.229	48.640	0.5	Complies

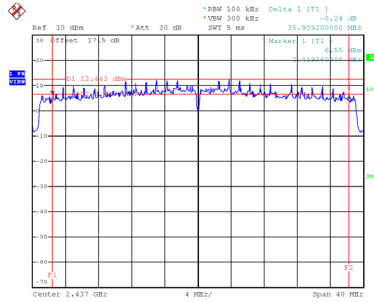
**CH03**



Date: 29\_DEC.2023 17:49:19

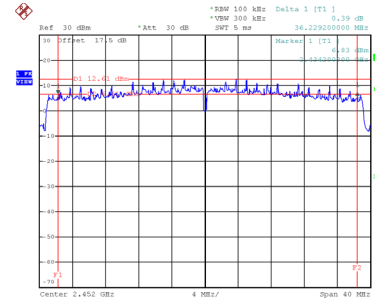
**CH06**

**6 dB Bandwidth**



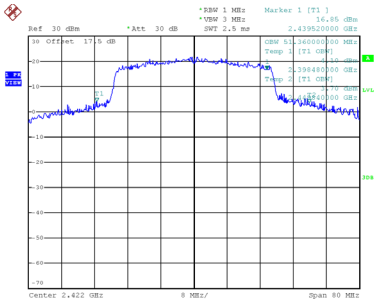
Date: 29\_DEC.2023 17:51:11

**CH09**

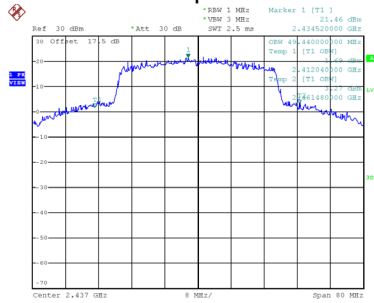


Date: 29\_DEC.2023 17:52:41

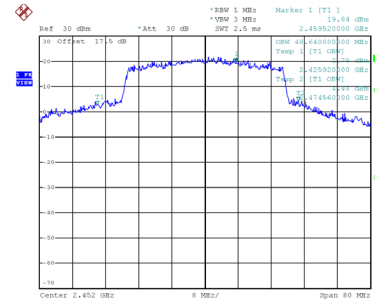
**99 % Occupied Bandwidth**



Date: 29\_DEC.2023 17:49:48



Date: 29\_DEC.2023 17:51:20



Date: 29\_DEC.2023 17:52:50

## **APPENDIX F - MAXIMUM OUTPUT POWER**

Test Mode	TX B Mode_Ant. 1
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	26.12	30.00	1.0000	Complies
06	2437	25.99	30.00	1.0000	Complies
11	2462	24.36	30.00	1.0000	Complies

Test Mode	TX G Mode_Ant. 1
-----------	------------------

Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	27.21	30.00	1.0000	Complies
06	2437	27.54	30.00	1.0000	Complies
11	2462	25.58	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Ant. 1
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	27.33	30.00	1.0000	Complies
06	2437	26.36	30.00	1.0000	Complies
11	2462	25.71	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Ant. 2
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	26.38	30.00	1.0000	Complies
06	2437	26.87	30.00	1.0000	Complies
11	2462	25.23	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Total
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	29.89	30.00	1.0000	Complies
06	2437	29.63	30.00	1.0000	Complies
11	2462	28.49	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Ant. 1
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	24.09	30.00	1.0000	Complies
06	2437	24.65	30.00	1.0000	Complies
09	2452	22.78	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Ant. 2
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	23.98	30.00	1.0000	Complies
06	2437	24.33	30.00	1.0000	Complies
09	2452	22.24	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Total
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	27.05	30.00	1.0000	Complies
06	2437	27.50	30.00	1.0000	Complies
09	2452	25.53	30.00	1.0000	Complies

Test Mode	TX AX(HE20) Mode_Ant. 1
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	26.51	30.00	1.0000	Complies
06	2437	26.02	30.00	1.0000	Complies
11	2462	24.61	30.00	1.0000	Complies

Test Mode	TX AX(HE20) Mode_Ant. 2
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	25.85	30.00	1.0000	Complies
06	2437	26.28	30.00	1.0000	Complies
11	2462	24.29	30.00	1.0000	Complies

Test Mode	TX AX(HE20) Mode_Total
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	29.20	30.00	1.0000	Complies
06	2437	29.16	30.00	1.0000	Complies
11	2462	27.46	30.00	1.0000	Complies

Test Mode	TX AX(HE40) Mode_Ant. 1
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	24.20	30.00	1.0000	Complies
06	2437	24.58	30.00	1.0000	Complies
09	2452	22.11	30.00	1.0000	Complies

Test Mode	TX AX(HE40) Mode_Ant. 2
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	23.82	30.00	1.0000	Complies
06	2437	24.18	30.00	1.0000	Complies
09	2452	21.86	30.00	1.0000	Complies

Test Mode	TX AX(HE40) Mode_Total
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Channel	Frequency (MHz)	Peak Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	27.02	30.00	1.0000	Complies
06	2437	27.39	30.00	1.0000	Complies
09	2452	25.00	30.00	1.0000	Complies

Note: Output power = Measure result + Cable loss

Test Mode	TX B Mode_Ant. 1
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	24.25	0.00	24.25	30.00	1.0000	Complies
06	2437	23.47	0.00	23.47	30.00	1.0000	Complies
11	2462	21.87	0.00	21.87	30.00	1.0000	Complies

Test Mode	TX G Mode_Ant. 1
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.65	0.17	20.82	30.00	1.0000	Complies
06	2437	21.23	0.17	21.40	30.00	1.0000	Complies
11	2462	19.17	0.17	19.34	30.00	1.0000	Complies



Test Mode	TX N(HT20) Mode_Ant. 1
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.18	0.19	20.37	30.00	1.0000	Complies
06	2437	20.52	0.19	20.71	30.00	1.0000	Complies
11	2462	19.02	0.19	19.21	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Ant. 2
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	19.94	0.19	20.13	30.00	1.0000	Complies
06	2437	20.38	0.19	20.57	30.00	1.0000	Complies
11	2462	18.95	0.19	19.14	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Total
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Channel	Frequency (MHz)	Average Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	23.27	30.00	1.0000	Complies
06	2437	23.65	30.00	1.0000	Complies
11	2462	22.19	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Ant. 1
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	17.62	0.35	17.97	30.00	1.0000	Complies
06	2437	17.96	0.35	18.31	30.00	1.0000	Complies
09	2452	15.94	0.35	16.29	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Ant. 2
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	17.47	0.35	17.82	30.00	1.0000	Complies
06	2437	17.59	0.35	17.94	30.00	1.0000	Complies
09	2452	15.63	0.35	15.98	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Total
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Channel	Frequency (MHz)	Average Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	20.91	30.00	1.0000	Complies
06	2437	21.14	30.00	1.0000	Complies
09	2452	19.15	30.00	1.0000	Complies

Test Mode	TX AX(HE20) Mode_Ant. 1
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	18.20	0.22	18.42	30.00	1.0000	Complies
06	2437	19.05	0.22	19.27	30.00	1.0000	Complies
11	2462	17.06	0.22	17.28	30.00	1.0000	Complies

Test Mode	TX AX(HE20) Mode_Ant. 2
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	17.97	0.22	18.19	30.00	1.0000	Complies
06	2437	18.83	0.22	19.05	30.00	1.0000	Complies
11	2462	16.91	0.22	17.13	30.00	1.0000	Complies

Test Mode	TX AX(HE20) Mode_Total
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Channel	Frequency (MHz)	Average Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	21.32	30.00	1.0000	Complies
06	2437	22.18	30.00	1.0000	Complies
11	2462	20.22	30.00	1.0000	Complies

Test Mode	TX AX(HE40) Mode_Ant. 1
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	16.13	0.41	16.54	30.00	1.0000	Complies
06	2437	16.54	0.41	16.95	30.00	1.0000	Complies
09	2452	14.08	0.41	14.49	30.00	1.0000	Complies

Test Mode	TX AX(HE40) Mode_Ant. 2
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Channel	Frequency (MHz)	Average Output Power (dBm)	Duty Factor	Average Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	15.98	0.41	16.39	30.00	1.0000	Complies
06	2437	16.34	0.41	16.75	30.00	1.0000	Complies
09	2452	13.88	0.41	14.29	30.00	1.0000	Complies

Test Mode	TX AX(HE40) Mode_Total
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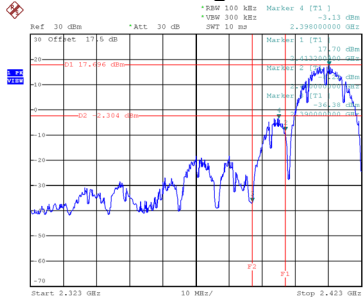
Channel	Frequency (MHz)	Average Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.48	30.00	1.0000	Complies
06	2437	19.87	30.00	1.0000	Complies
09	2452	17.41	30.00	1.0000	Complies

Note: Output power = Measure result + Cable loss

## **APPENDIX G - CONDUCTED SPURIOUS EMISSIONS**

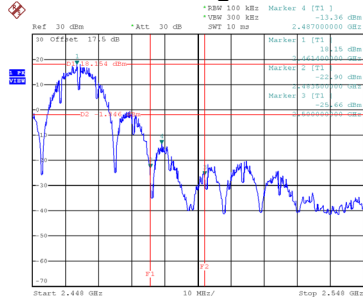
Test Mode TX B Mode\_Ant. 1

### Bandedge-CH01



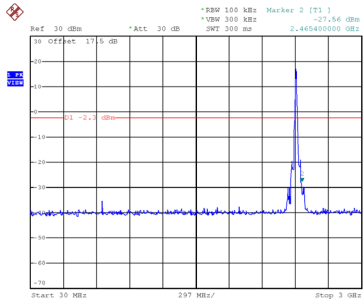
Date: 29\_DEC.2023 17:03:31

### Bandedge-CH11

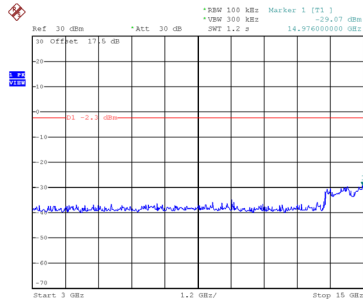


Date: 29\_DEC.2023 17:05:53

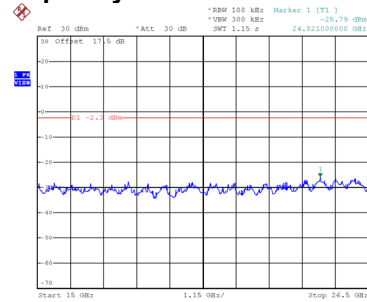
### CH01 – 10th Harmonic of the fundamental frequency



Date: 29\_DEC.2023 17:03:46

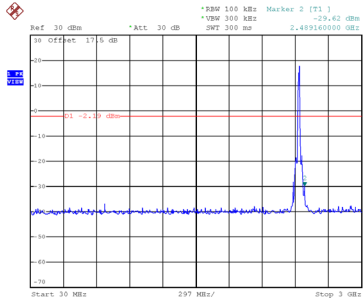


Date: 29\_DEC.2023 17:03:55

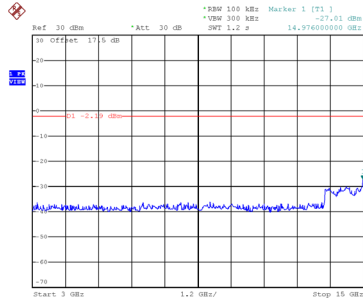


Date: 29\_DEC.2023 17:04:04

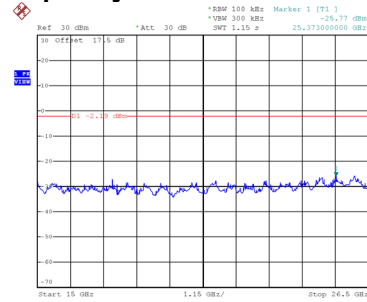
### CH06 – 10th Harmonic of the fundamental frequency



Date: 29\_DEC.2023 17:05:13

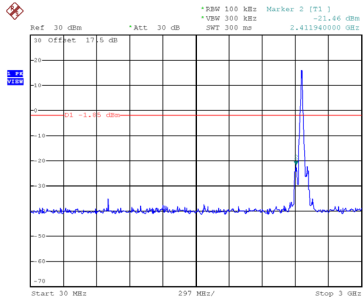


Date: 29\_DEC.2023 17:05:21

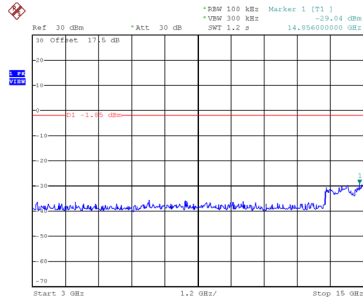


Date: 29\_DEC.2023 17:05:30

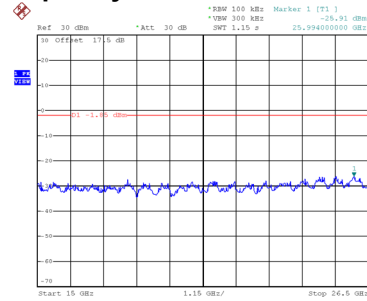
### CH11 – 10th Harmonic of the fundamental frequency



Date: 29\_DEC.2023 17:06:08



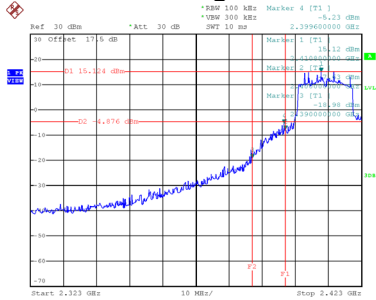
Date: 29\_DEC.2023 17:06:17



Date: 29\_DEC.2023 17:06:25

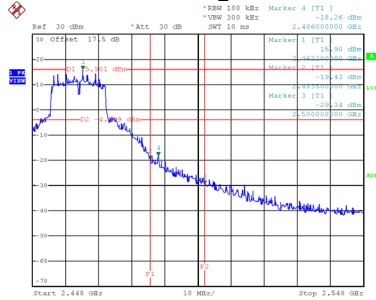
Test Mode TX G Mode\_Ant. 1

### Bandedge-CH01



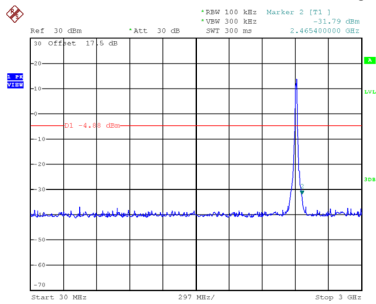
Date: 29\_DEC.2023 17:07:12

### Bandedge-CH11

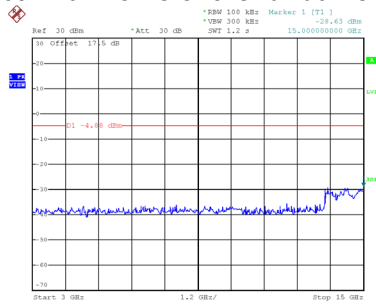


Date: 29\_DEC.2023 17:09:05

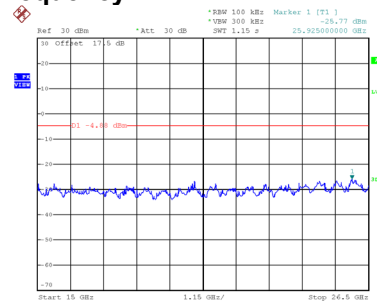
### CH01 – 10th Harmonic of the fundamental frequency



Date: 29\_DEC.2023 17:07:27

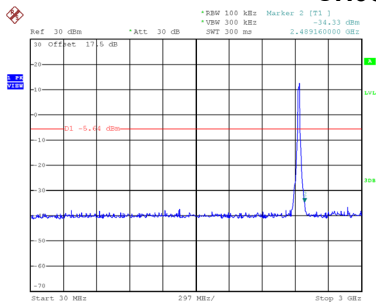


Date: 29\_DEC.2023 17:07:36

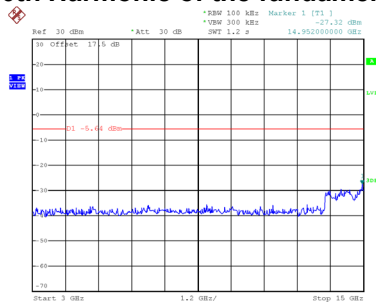


Date: 29\_DEC.2023 17:07:45

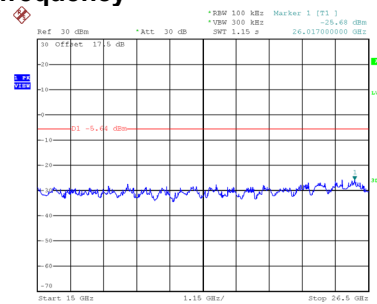
### CH06 – 10th Harmonic of the fundamental frequency



Date: 29\_DEC.2023 17:08:19

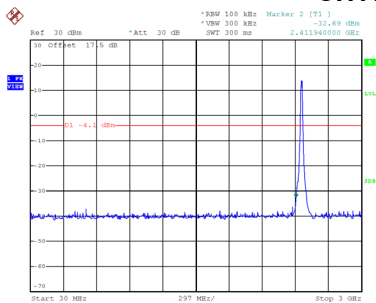


Date: 29\_DEC.2023 17:08:28

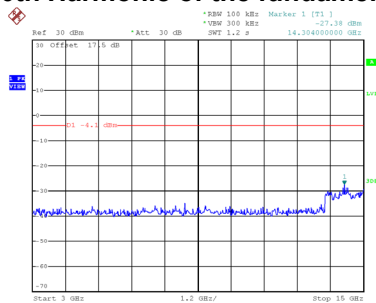


Date: 29\_DEC.2023 17:08:37

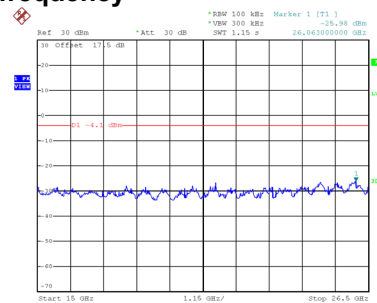
### CH11 – 10th Harmonic of the fundamental frequency



Date: 29\_DEC.2023 17:09:20



Date: 29\_DEC.2023 17:09:29



Date: 29\_DEC.2023 17:09:38