



# FCC Radio Test Report

## FCC ID: 2A5LO-TOZEDZLTX100

This report concerns: Original Grant

**Project No.** : 2312C154  
**Equipment** : 5G Wireless Router  
**Brand Name** : Tozed Kangwei  
**Test Model** : ZLT X100 PRO  
**Series Model** : N/A  
**Applicant** : Tozed Kangwei Tech Co., Ltd  
**Address** : Room 1301, NO. 37 Jinlong , Nansha Street, Xiangjiang Financial Business Center, Nansha District, Guangzhou  
**Manufacturer** : Tozed Kangwei Tech Co., Ltd  
**Address** : Room 1301, NO. 37 Jinlong , Nansha Street, Xiangjiang Financial Business Center, Nansha District, Guangzhou  
**Factory** : Tozed Kangwei Tech Co., Ltd  
**Address** : Room 1301, NO. 37 Jinlong , Nansha Street, Xiangjiang Financial Business Center, Nansha District, Guangzhou  
**Date of Receipt** : Dec. 25, 2023  
**Date of Test** : Dec. 26, 2023 ~ Jan. 31, 2024  
**Issued Date** : Jan. 31, 2024  
**Report Version** : R00  
**Test Sample** : Engineering Sample No.: DG2023122560 for conducted, DG2023122563 and DG2023122561 for radiated.  
**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.

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**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-1-2312C154	R00	Original Report.	Jan. 31, 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 Radiated Emissions and 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 AC power line conducted emissions and Power 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% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

### A. AC power line conducted emissions test:

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

### B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
SSL-CB01	CISPR	9kHz ~ 30MHz	2.74

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
SSL-CB01 (3m)	CISPR	30MHz ~ 200MHz	V	4.70
		30MHz ~ 200MHz	H	3.56
		200MHz ~ 1,000MHz	V	4.92
		200MHz ~ 1,000MHz	H	4.54

Test Site	Method	Measurement Frequency Range	U,(dB)
SSL-CB01 (3m)	CISPR	1GHz ~ 6GHz	4.56
		6GHz ~ 18GHz	5.14

Test Site	Method	Measurement Frequency Range	U,(dB)
SSL-CB01 (1m)	CISPR	18 ~ 26.5 GHz	3.30
		26.5 ~ 40 GHz	3.82



## C. Other Measurement:

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



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

**2.3 TEST ENVIRONMENT CONDITIONS**

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	23°C	51%	AC 120V/60Hz	Parker Mai
Radiated Emissions-9kHz to 30 MHz	25°C	60%	AC 120V/60Hz	Max Wang
Radiated Emissions-30MHz to 1000MHz	24°C	43%	AC 120V/60Hz	Geoffrey Zou
Radiated Emissions-Above 1000MHz	23°C	45%	AC 120V/60Hz	Max Wang
Bandwidth	24°C	55%	DC 12V	Tember Zhuang
Maximum Output Power	22°C	57%	DC 12V	Complex Qin
Conducted Spurious Emissions	24°C	55%	DC 12V	Tember Zhuang
Power Spectral Density	24°C	55%	DC 12V	Tember Zhuang

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

Equipment	5G Wireless Router
Brand Name	Tozed Kangwei
Test Model	ZLT X100 PRO
Series Model	N/A
Model Difference(s)	N/A
Software Version	V1.0
Hardware Version	TZ7.823.806A
Power Source	DC voltage supplied from AC adapter. 1# Manufacturer / Model: KELI / KL-WA120YYY-G1 2# Manufacturer / Model: JiYin / JYSY018-1201500UD
Power Rating	1# I/P: 100-240V~ 50/60Hz 0.7A O/P: 12V  1.5A 2# I/P: 100-240V~ 50/60Hz 0.5A O/P: 12V  1.5A
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM IEEE 802.11ax: OFDMA
Bit Rate of Transmitter	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps IEEE 802.11ax: up to 573.6 Mbps
Maximum Output Power	IEEE 802.11n(HT40): 14.94 dBm (0.0312 W)

Note:

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

#### 2. Channel List:

CH01 - CH11 for IEEE 802.11b, IEEE 802.11g, IEEE 802.11n(HT20), IEEE 802.11ax(HE20) CH03 - CH09 for IEEE 802.11n(HT40), IEEE 802.11ax(HE40)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

#### 3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	ZTX	X100 PRO WIFI-1	PCB	N/A	4.62
2	ZTX	X100 PRO WIFI-2	PCB	N/A	6.56

Note:

- This EUT supports CDD(IEEE 802.11g mode) and MIMO(Except IEEE 802.11b mode), any transmit signals are correlated with each other, so Directional gain= $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N]$  dBi, that is Directional gain= $10\log[(10^{4.62/20} + 10^{6.56/20})^2 / 2]$  dBi = 8.65. So, the output power limit is  $30 - (8.65 - 6) = 27.35$ , the power spectral density limit is  $8 - (8.65 - 6) = 5.35$ .
- The antenna gain is provided by the manufacturer.

## 4. Table for Antenna Configuration:

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

### 3.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09
Mode 5	TX AX(HE20) Mode Channel 01/06/11
Mode 6	TX AX(HE40) Mode Channel 03/06/09
Mode 7	TX N(HT40) Mode Channel 03

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(HT40) Mode Channel 03

<b>Radiated emissions test - Below 1GHz</b>	
Final Test Mode	Description
Mode 7	TX N(HT40) Mode Channel 03

<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(HT40) Mode Channel 03 is found to be the worst case and recorded.
- (3) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (4) IEEE 802.11ax mode only supports full RU, so only the full RU is evaluated and measured inside report.
- (5) For AC power line conducted emissions and radiated emissions below 1 GHz test, all adapters had been pre-tested and in this report only recorded the worst adapter(Manufacturer / Model: JiYi /JYSY018-1201500UD).
- (6) For radiated emission above 1 GHz test, the polarization of Vertical and Horizontal are evaluated, the worst case is Horizontal and recorded.

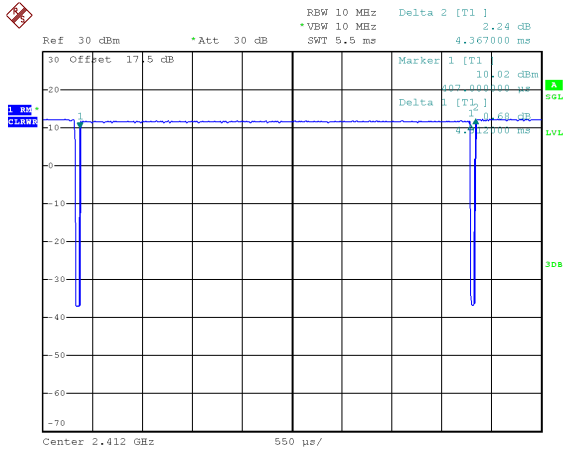
**3.3 PARAMETERS OF TEST SOFTWARE**

Test Software Version	Inter DUT		
	2412	2437	2462
Frequency (MHz)			
IEEE 802.11b	10	10.5	10.5
IEEE 802.11g	10.5	10.5	11
IEEE 802.11n(HT20)	10.5	10.5	11
IEEE 802.11ax(HE20)	10	10	10.5
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	10.5	10.5	10.5
IEEE 802.11ax(HE40)	10	10	10

## 3.4 DUTY CYCLE

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

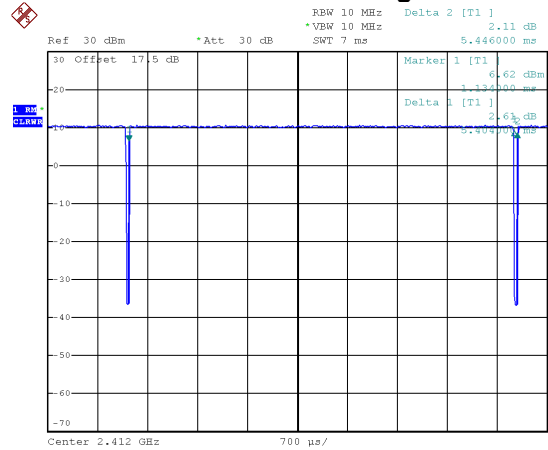
### IEEE 802.11b



Date: 6.JAN.2024 14:28:11

Duty cycle =  $4.312 \text{ ms} / 4.367 \text{ ms} = 98.74\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.00$

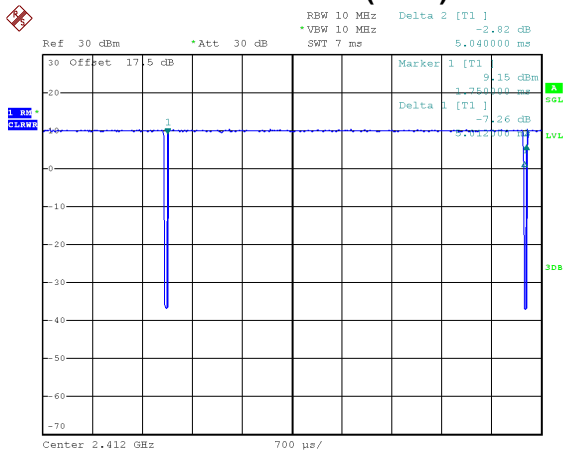
### IEEE 802.11g



Date: 6.JAN.2024 14:28:42

Duty cycle =  $5.404 \text{ ms} / 5.446 \text{ ms} = 99.23\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.00$

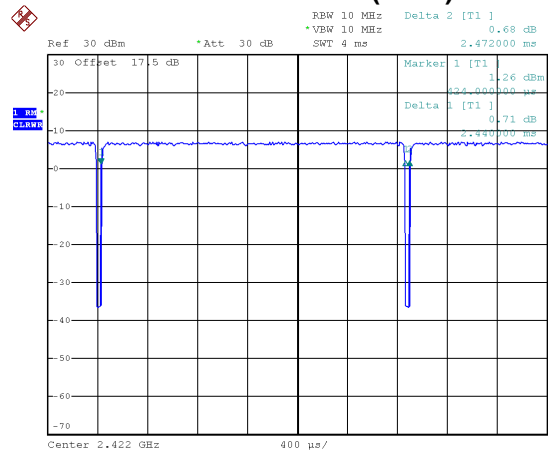
### IEEE 802.11n(HT20)



Date: 6.JAN.2024 14:29:18

Duty cycle =  $5.012 \text{ ms} / 5.040 \text{ ms} = 99.44\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.00$

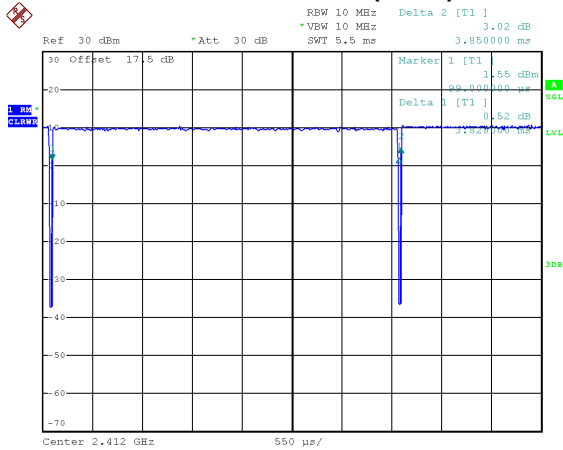
### IEEE 802.11n(HT40)



Date: 6.JAN.2024 14:29:51

Duty cycle =  $2.440 \text{ ms} / 2.472 \text{ ms} = 98.71\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.00$

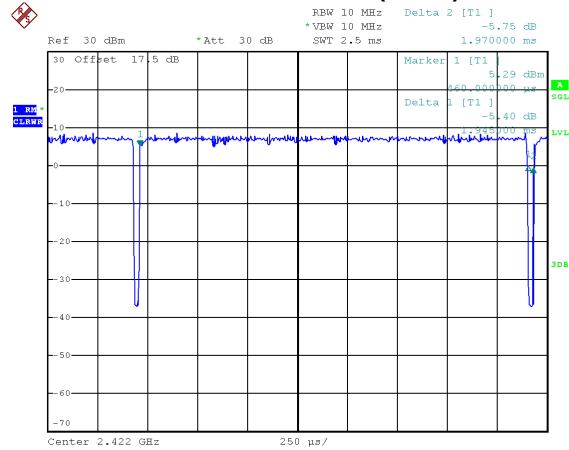
## IEEE 802.11ax(HE20)



Date: 6, JAN, 2024 14:30:38

Duty cycle =  $3.828 \text{ ms} / 3.850 \text{ ms} = 99.43\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.00$

## IEEE 802.11ax(HE40)



Date: 6, JAN, 2024 14:31:09

Duty cycle =  $1.945 \text{ ms} / 1.970 \text{ ms} = 98.73\%$   
 Duty Factor =  $10 \log(1/\text{Duty cycle}) = 0.00$

**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 1 kHz.

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 1 kHz.

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 2 kHz.

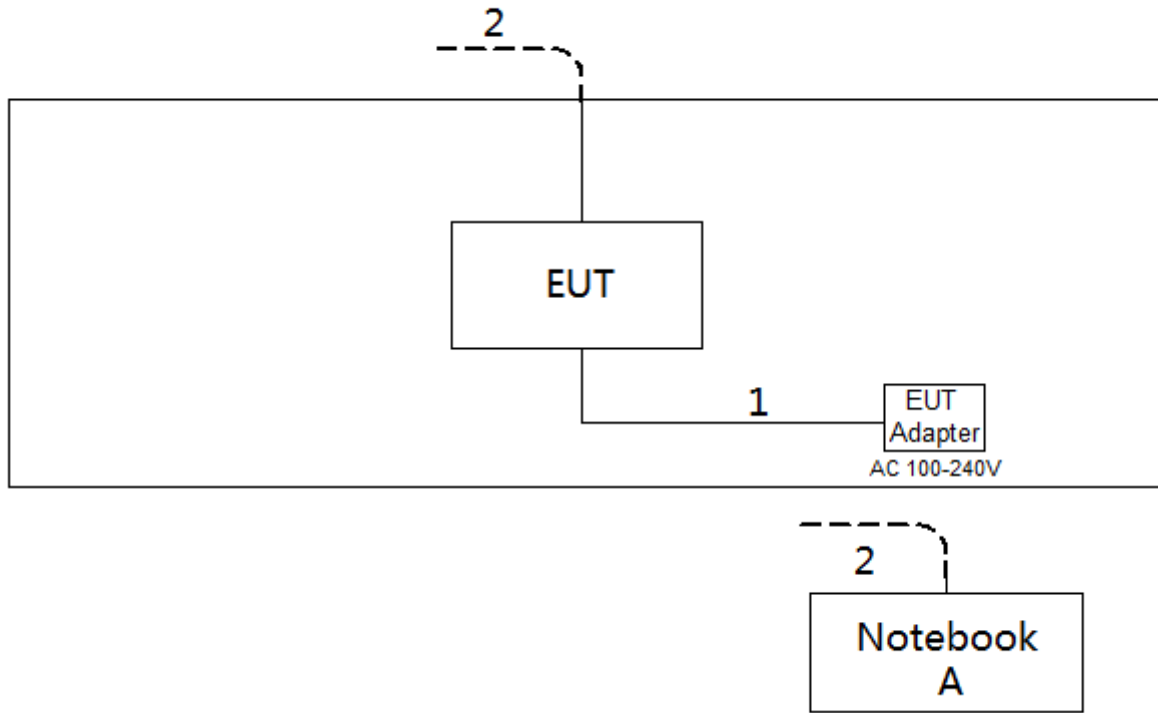
For IEEE 802.11ax(HE20):

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

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 2 kHz.

### 3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



### 3.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Lenovo	Think Book 14 G6 ABP	N/A

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



## 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.

### 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.

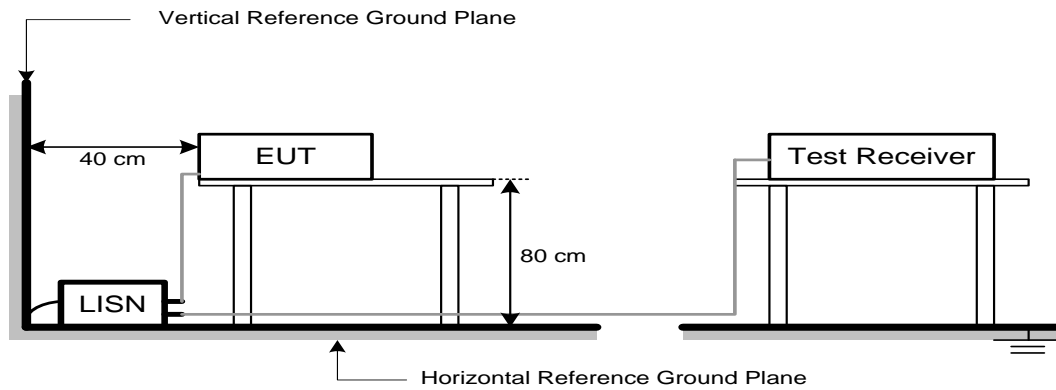
The following table is the setting of the receiver:

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 (30 MHz-1000 MHz)

Frequency (MHz)	Field Strength ( $\mu\text{V}/\text{m}$ at 3m)
30-88	100
88-216	150
216-960	200
Above 960	500

#### LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	Band edge/ Harmonic at 3m ( $\text{dB}\mu\text{V}/\text{m}$ )		Harmonic at 1.5m ( $\text{dB}\mu\text{V}/\text{m}$ )	
	Peak	Average	Peak	Average
Above 10 0	74	54	80 (Note 5)	60(Note 5)

#### NOTE:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level ( $\text{dB}\mu\text{V}/\text{m}$ )= $20\log$  Emission level ( $\mu\text{V}/\text{m}$ ).
- (4)

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

$$20\log(d_{\text{limit}}/d_{\text{measure}})=20\log(3/1.5)=6\text{ dB.}$$

## 5.2 TEST PROCEDURE

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

The following table is the setting of the receiver:

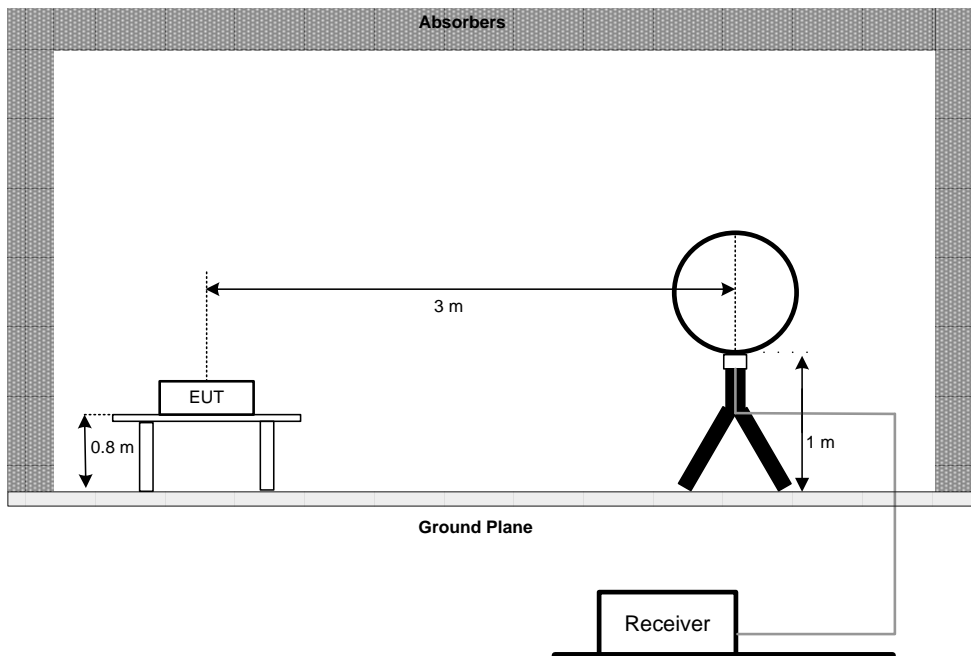
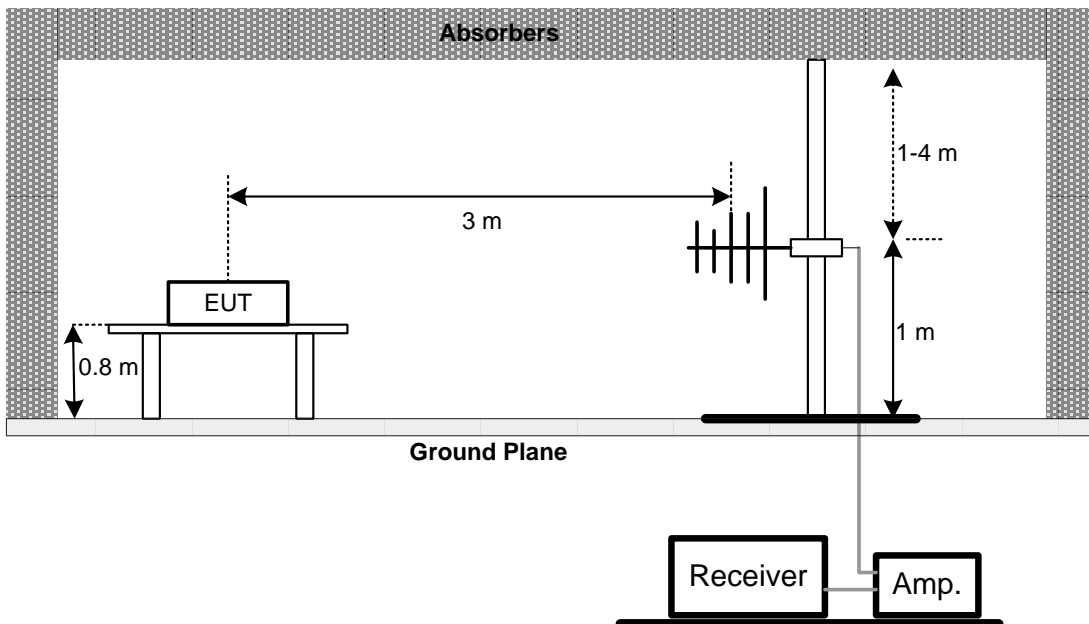
Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

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

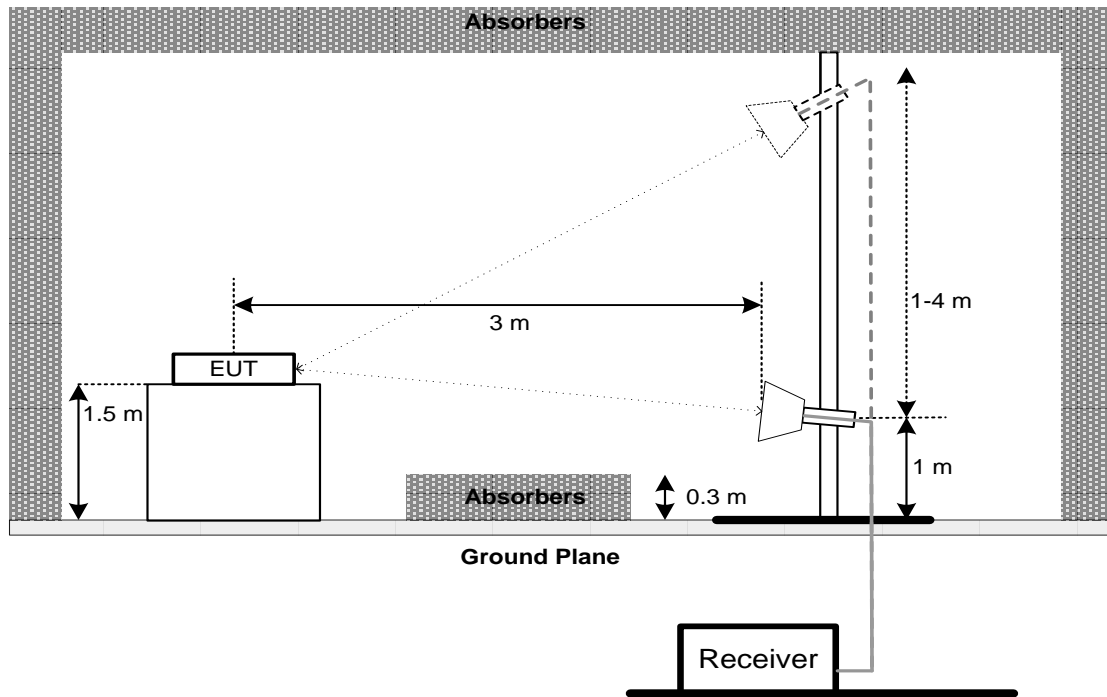
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

**5.3 DEVIATION FROM TEST STANDARD**

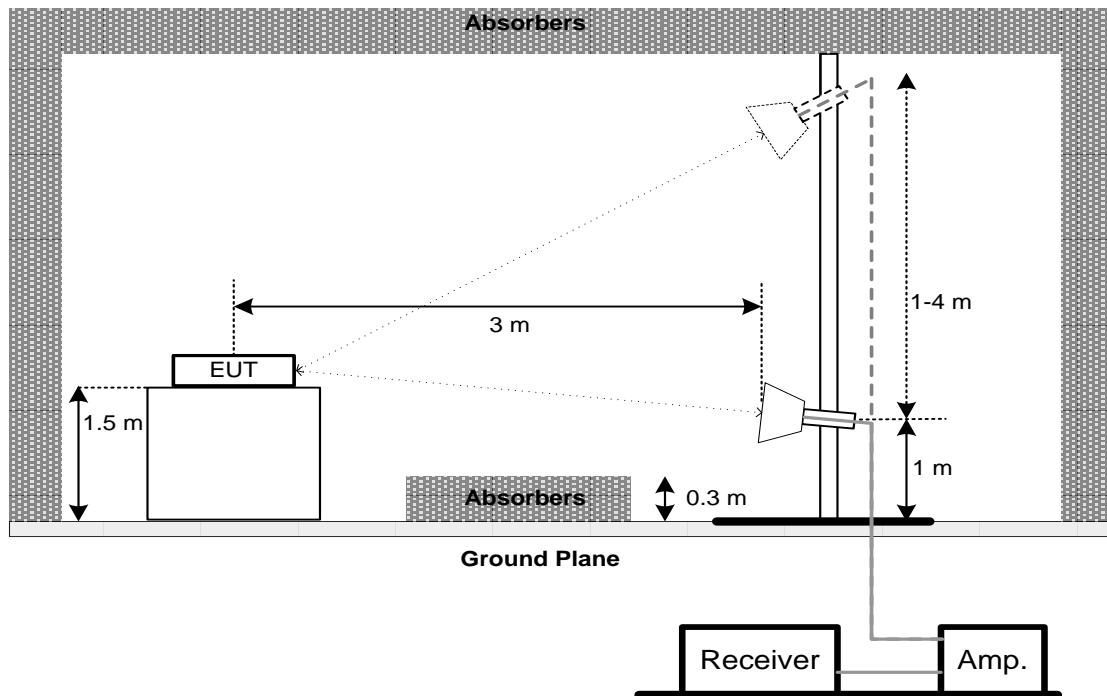
No deviation.

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

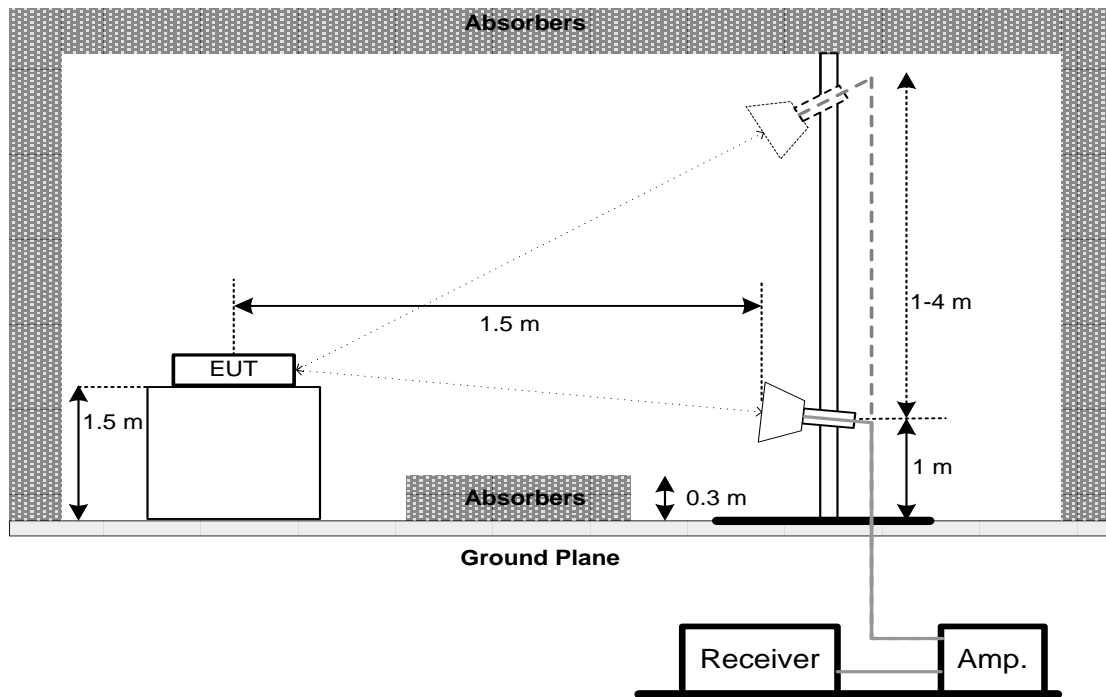
### Above 1 GHz Band edge



### Harmonic(1 GHz to 18 GHz)



### Harmonic(18 GHz to 26.5 GHz)



#### 5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

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

Please refer to the APPENDIX B.

Remark:

- (1) Distance extrapolation factor =  $40 \log (\text{specific distance} / \text{test distance})$  (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

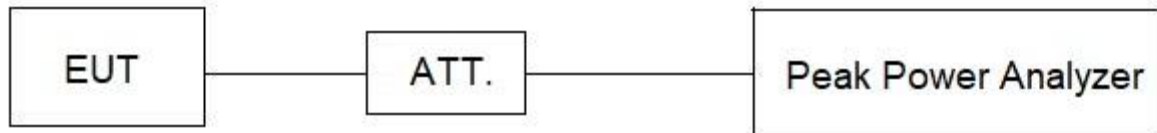
### 7.2 TEST PROCEDURE

- 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 11.9.2.3.1 of ANSI C63.10-2013 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

### 7.3 DEVIATION FROM STANDARD

No deviation.

### 7.4 TEST SETUP



### 7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 7.6 TEST RESULTS

Please refer to the APPENDIX F.

## 8. CONDUCTED SPURIOUS EMISSIONS

### 8.1 LIMIT

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

### 8.2 TEST PROCEDURE

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

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

### 8.3 DEVIATION FROM STANDARD

No deviation.

### 8.4 TEST SETUP



### 8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 8.6 TEST RESULTS

Please refer to the APPENDIX G.

## 9. POWER SPECTRAL DENSITY

### 9.1 LIMIT

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

### 9.2 TEST PROCEDURE

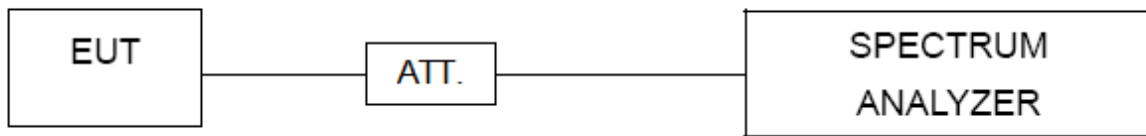
- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. The following table is the setting of the spectrum analyzer:

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

### 9.3 DEVIATION FROM STANDARD

No deviation.

### 9.4 TEST SETUP



### 9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 9.6 TEST RESULTS

Please refer to the APPENDIX H.

**10. MEASUREMENT INSTRUMENTS LIST**

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESR3	103027	Jun. 16, 2024
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Dec. 22, 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 1513-60	1513-60-025	Apr. 01, 2024
2	MXE EMI Receiver	Keysight	N9038A	MY59050118	Feb. 10, 2024
3	Cable	EMC INSTRUMENT	EMCCFD400-NM-N M-3000	N/A	Jun. 08, 2024
4	Cable	EMC INSTRUMENT	EMCCFD400-NM-N M-7000	N/A	Jun. 08, 2024
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	966 Chamber room	Taihe Mao Rui	9*6*6 (NSA&VSWR)	N/A	Jun. 02, 2024

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	01269	May. 15, 2024
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AN-N0697	May. 15, 2024
3	Preamplifier	EMC INSTRUMENT	EMC001330	4585/5/27	Feb. 10, 2024
4	Cable	EMC INSTRUMENT	EMCCFD400-NM-N M-2500	N/A	Jun. 08, 2024
5	Cable	EMC INSTRUMENT	EMCCFD400-NM-N M-7000	N/A	Jun. 08, 2024
6	Cable	EMC INSTRUMENT	EMCCFD400-NM-N M-3000	N/A	Jun. 08, 2024
7	MXE EMI Receiver	KEYSIGHT	N9038A	MY59050118	Feb. 10, 2024
8	Positioning Controller	MF	MF-7802BS	N/A	N/A
9	Max-Full Antenna Corp	MF	MFA-560BSN	N/A	N/A
10	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
11	wideband radio communication tester	R&S	CMW500	164094	Jul. 07, 2024
12	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
13	966 Chamber room	Taihe Mao Rui	9*6*6 (NSA&VSWR)	N/A	Jun. 02, 2024

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	MXE EMI Receiver	Keysight	N9038A	MY59050118	Feb. 10, 2024
2	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
3	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980739	Feb. 10, 2024
4	Cable	EMC INSTRUMENT	EMC104-SM-SM-1 0000	N/A	Jun. 08, 2024
5	Cable	EMC INSTRUMENT	EMC104-SM-SM-3 000	N/A	Jun. 08, 2024
6	Cable	EMC INSTRUMENT	EMC104-SM-SM-8 00	N/A	Jun. 08, 2024
7	wideband radio communication tester	R&S	CMW500	164094	Jul. 07, 2024
8	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
9	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	1046	Jul. 05, 2024
10	966 Chamber room	Taihe Mao Rui	9*6*6 (NSA&VSWR)	N/A	Jun. 02, 2024

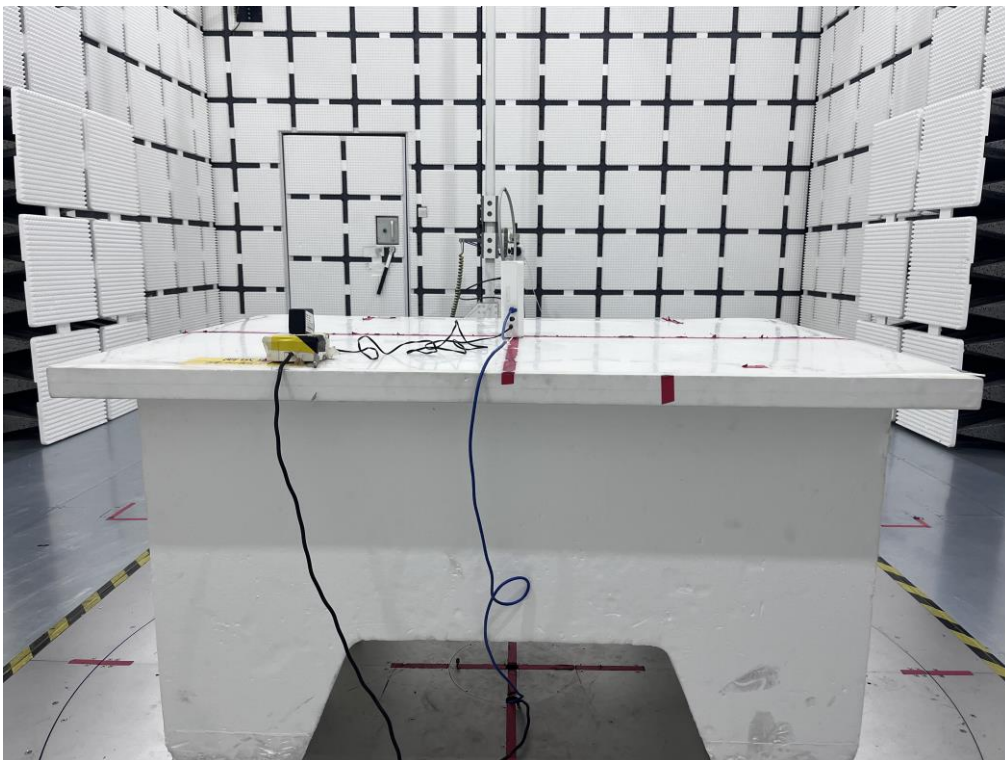
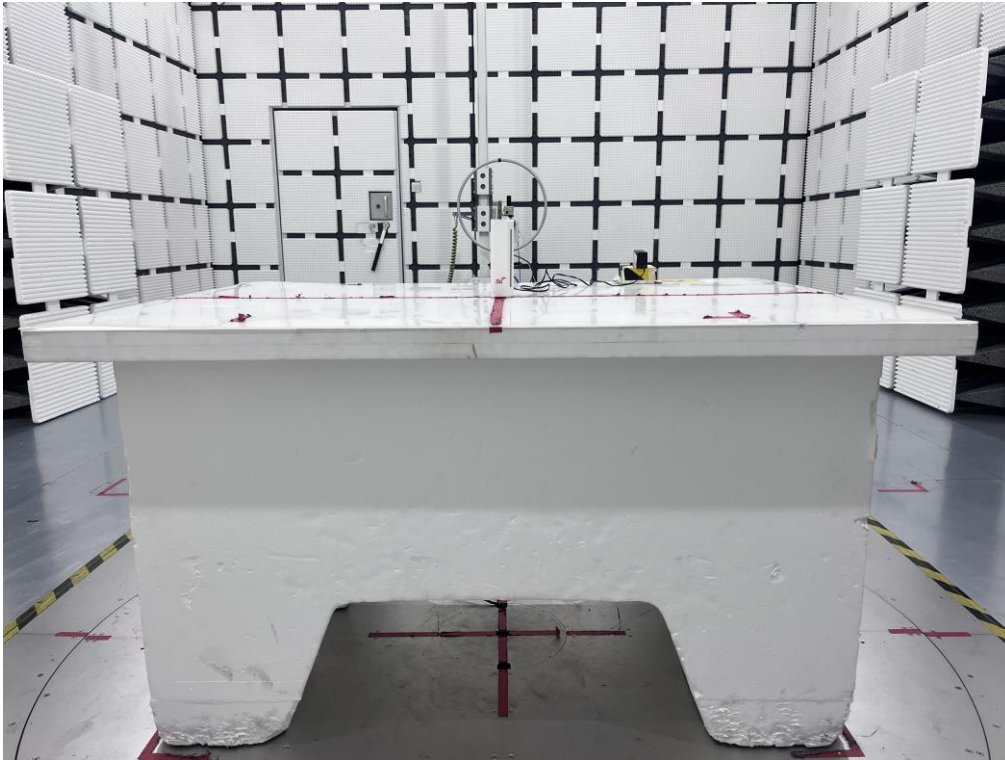
Bandwidth & Conducted Spurious Emissions & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP38	100852	Jun. 16, 2024
2	Attenuator	RegalWay	RWA-201-S-10	N/A	Sep. 26, 2024
3	Digital Multimeter	FLUKE	15B PRO	59056240WS	Sep. 25, 2024
4	Measurement Software	BTL	BTL Conducted Test	N/A	N/A
5	Attenuator	RegalWay	RWA-201-S-6	N/A	Sep. 26, 2024
6	Temperature Chamber	ESPEC CORP	SU-242	93018736	Jul. 07, 2024

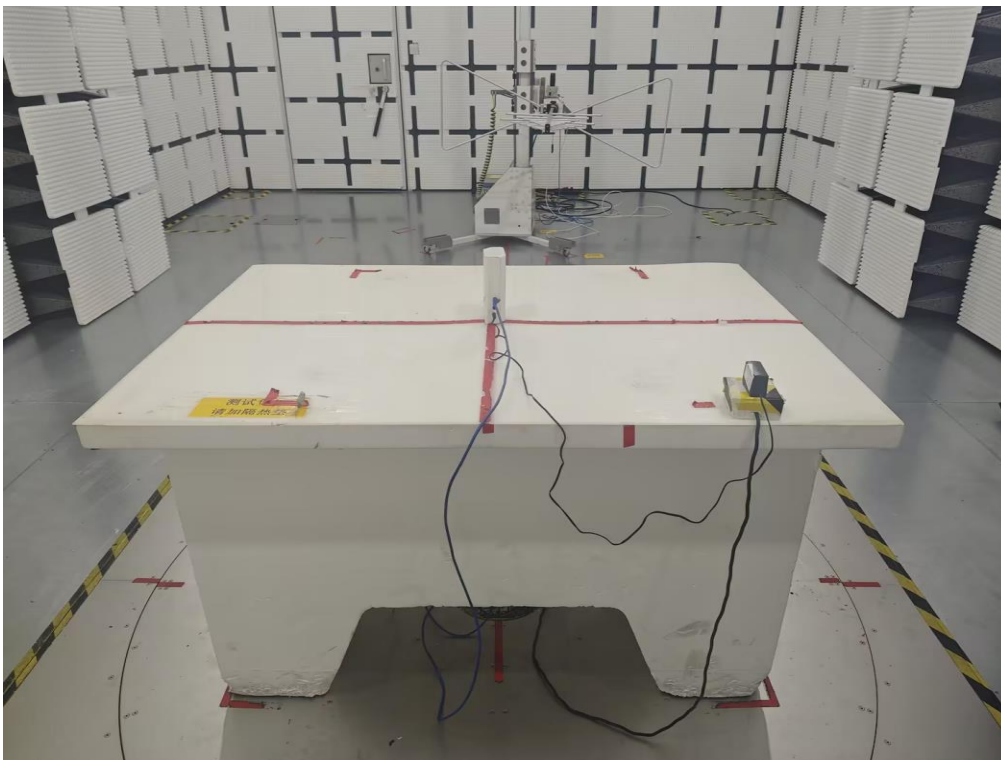
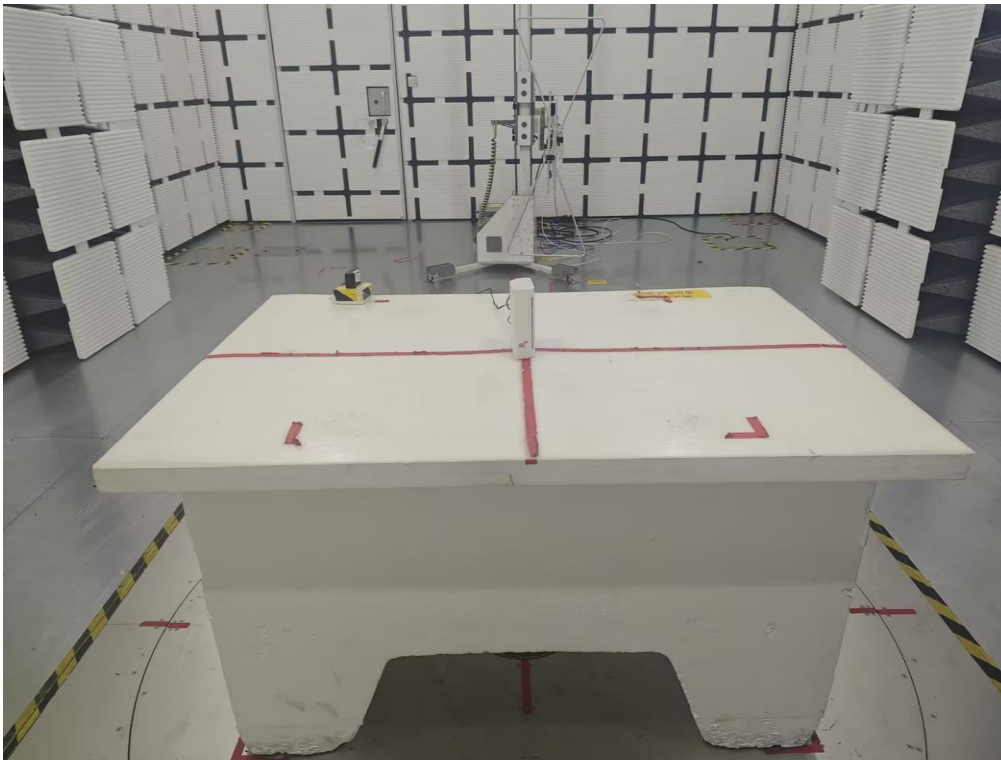
Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Jun. 17, 2024
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jun. 17, 2024
3	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A

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

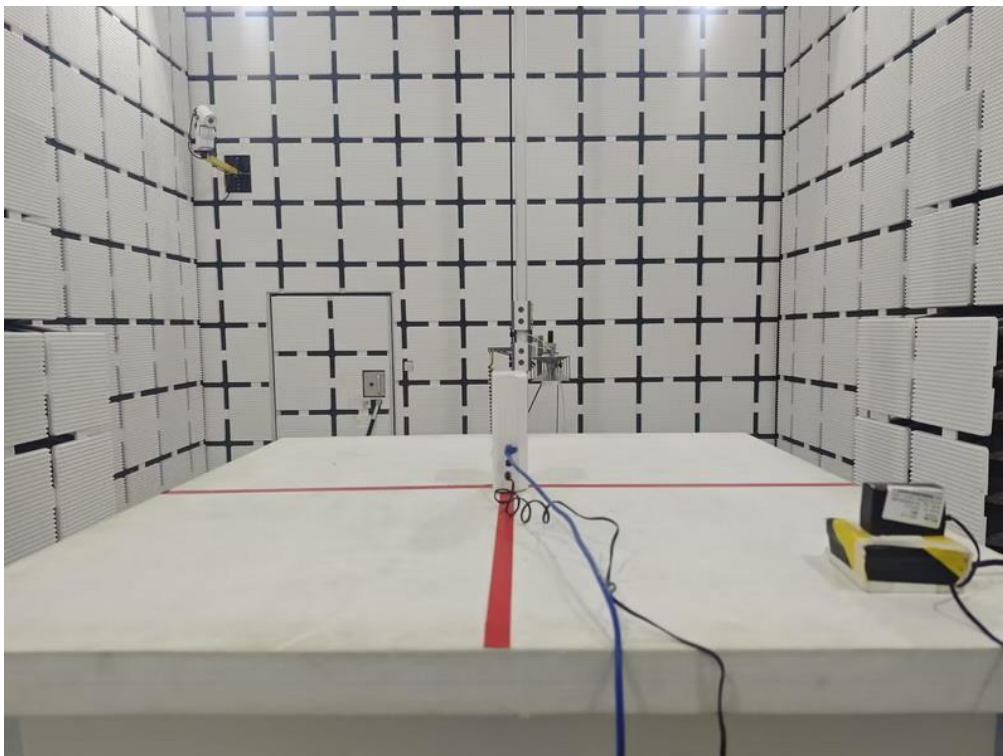
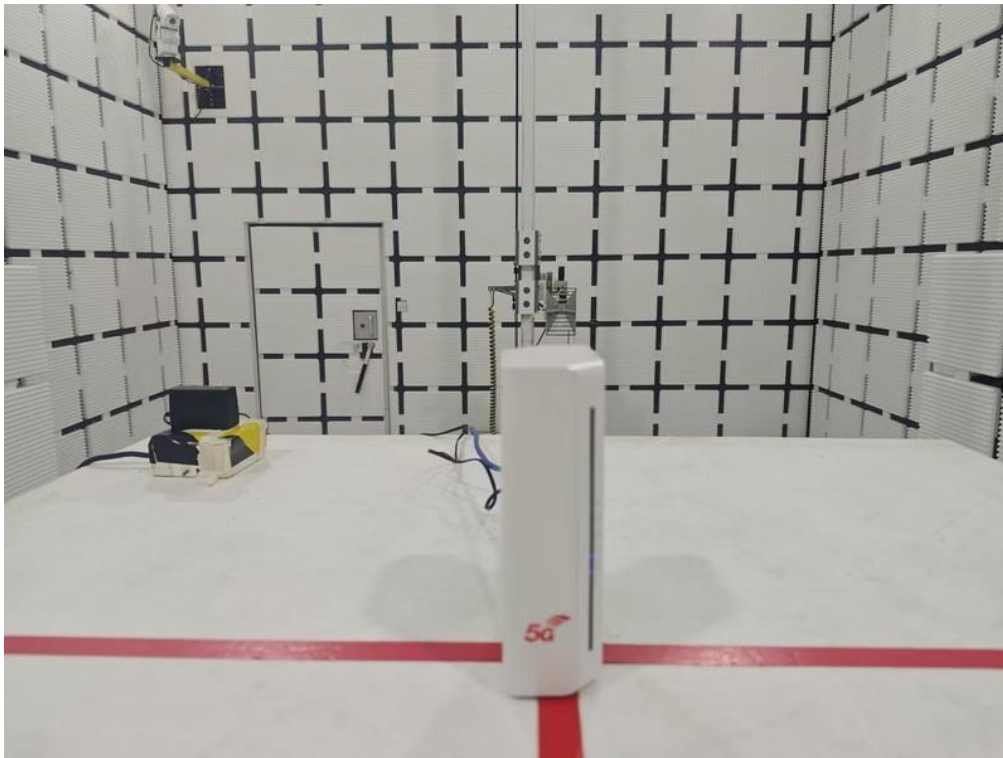
All calibration period of equipment list is one year.

**11. EUT TEST PHOTO****AC Power Line Conducted Emissions Test Photos**

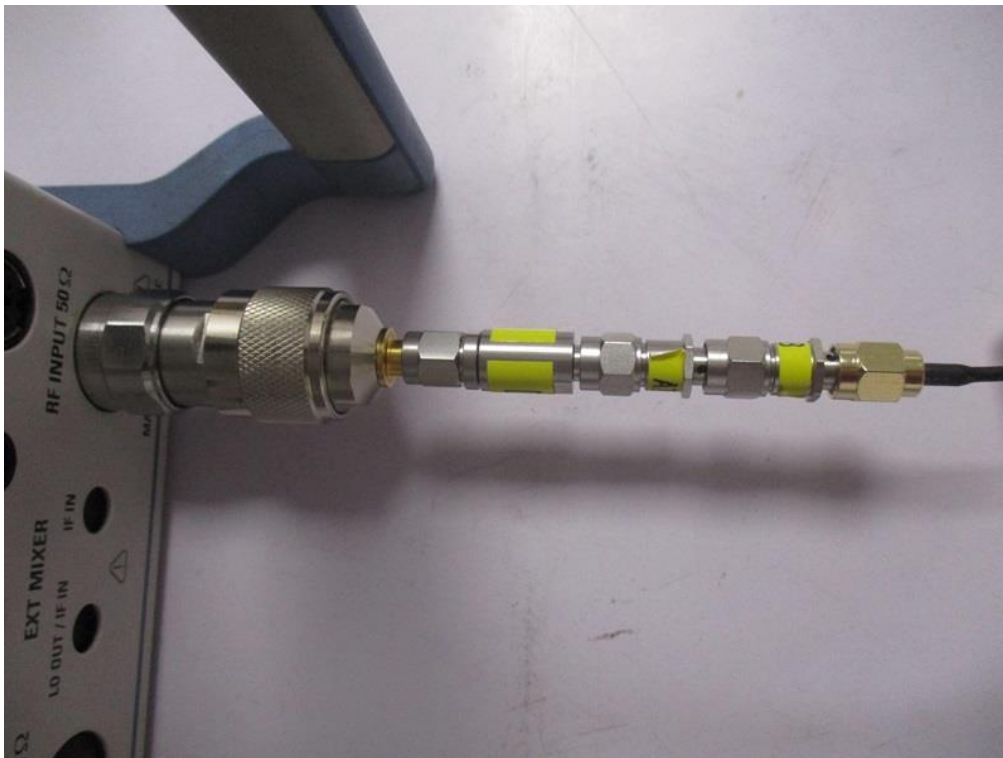
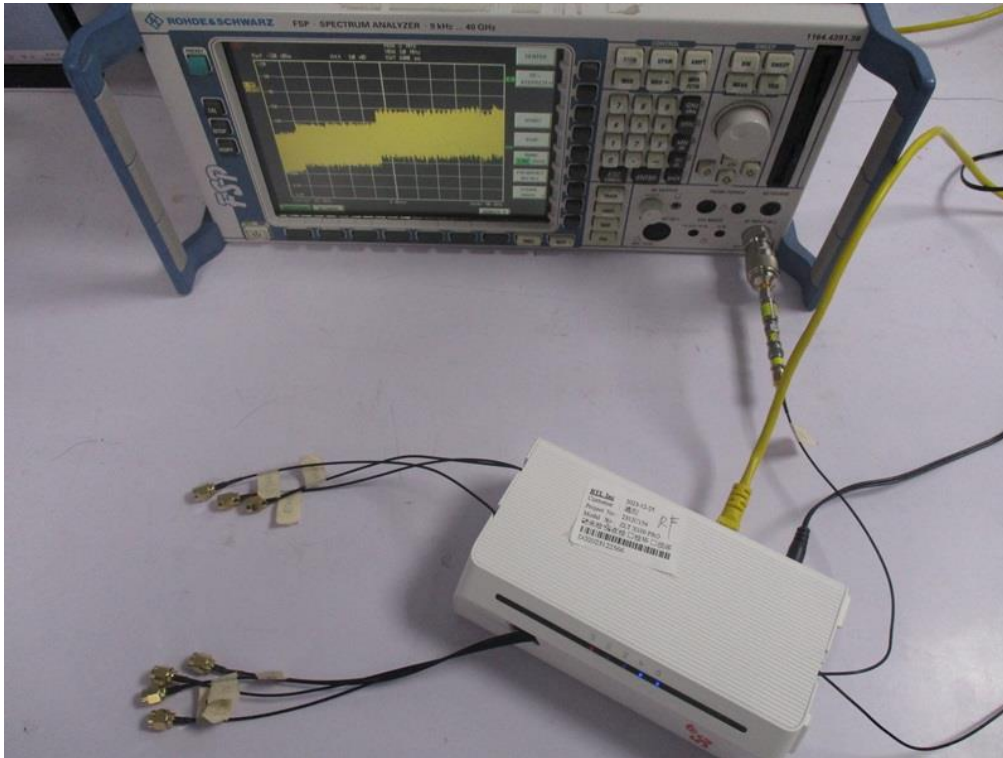
**Radiated Emissions Test Photos****9 kHz to 30 MHz**

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



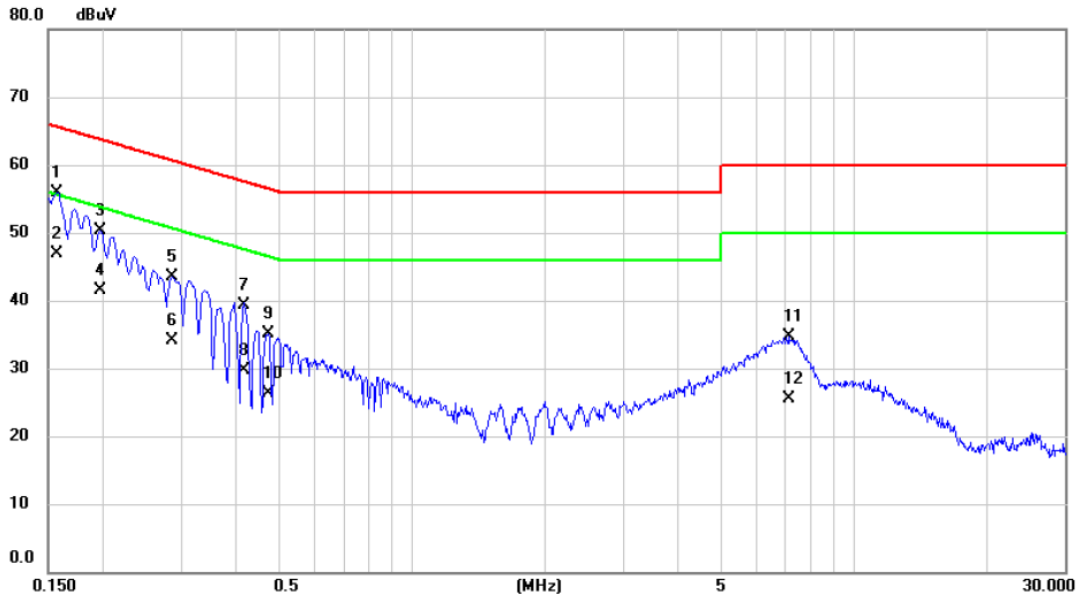
**Radiated Emissions Test Photos****Above 1 GHz**

### Conducted Test Photos



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

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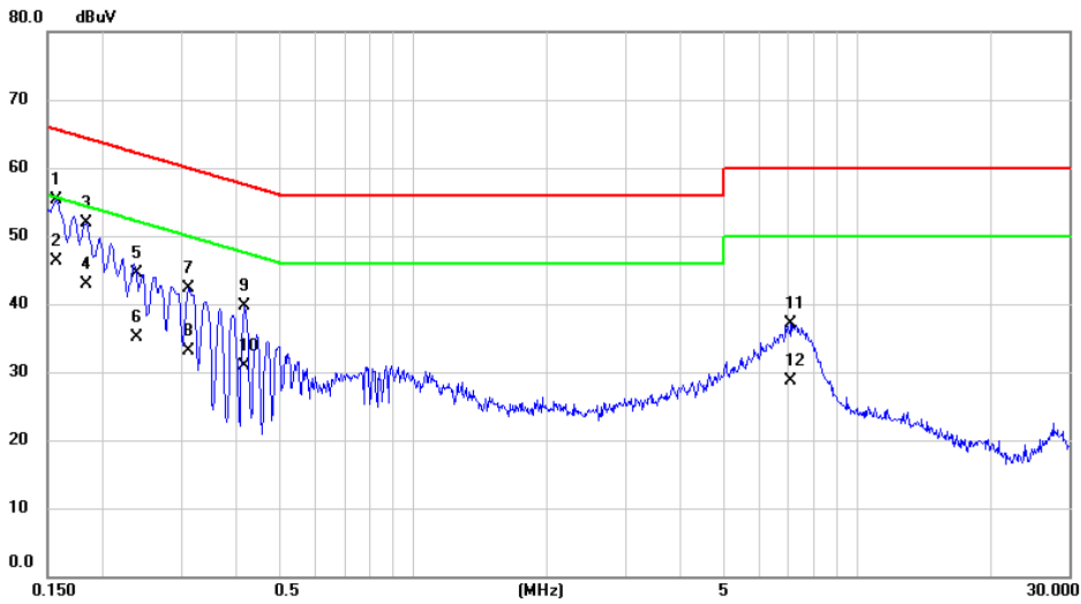


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1568	46.25	9.69	55.94	65.63	-9.69	QP	
2	*	0.1568	37.20	9.69	46.89	55.63	-8.74	AVG	
3		0.1973	40.64	9.68	50.32	63.72	-13.40	QP	
4		0.1973	31.80	9.68	41.48	53.72	-12.24	AVG	
5		0.2872	33.78	9.68	43.46	60.60	-17.14	QP	
6		0.2872	24.50	9.68	34.18	50.60	-16.42	AVG	
7		0.4177	29.71	9.69	39.40	57.49	-18.09	QP	
8		0.4177	20.10	9.69	29.79	47.49	-17.70	AVG	
9		0.4740	25.37	9.70	35.07	56.44	-21.37	QP	
10		0.4740	16.70	9.70	26.40	46.44	-20.04	AVG	
11		7.1295	24.72	9.90	34.62	60.00	-25.38	QP	
12		7.1295	15.60	9.90	25.50	50.00	-24.50	AVG	

**REMARKS:**

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

Test Mode	TX N(HT40) Mode Channel 03	Phase	Neutral
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1568	45.66	9.66	55.32	65.63	-10.31	QP	
2	*	0.1568	36.60	9.66	46.26	55.63	-9.37	AVG	
3		0.1838	42.20	9.66	51.86	64.31	-12.45	QP	
4		0.1838	33.20	9.66	42.86	54.31	-11.45	AVG	
5		0.2378	34.88	9.65	44.53	62.17	-17.64	QP	
6		0.2378	25.40	9.65	35.05	52.17	-17.12	AVG	
7		0.3120	32.64	9.66	42.30	59.92	-17.62	QP	
8		0.3120	23.50	9.66	33.16	49.92	-16.76	AVG	
9		0.4177	30.14	9.65	39.79	57.49	-17.70	QP	
10		0.4177	21.20	9.65	30.85	47.49	-16.64	AVG	
11		7.0913	27.16	9.89	37.05	60.00	-22.95	QP	
12		7.0913	18.90	9.89	28.79	50.00	-21.21	AVG	

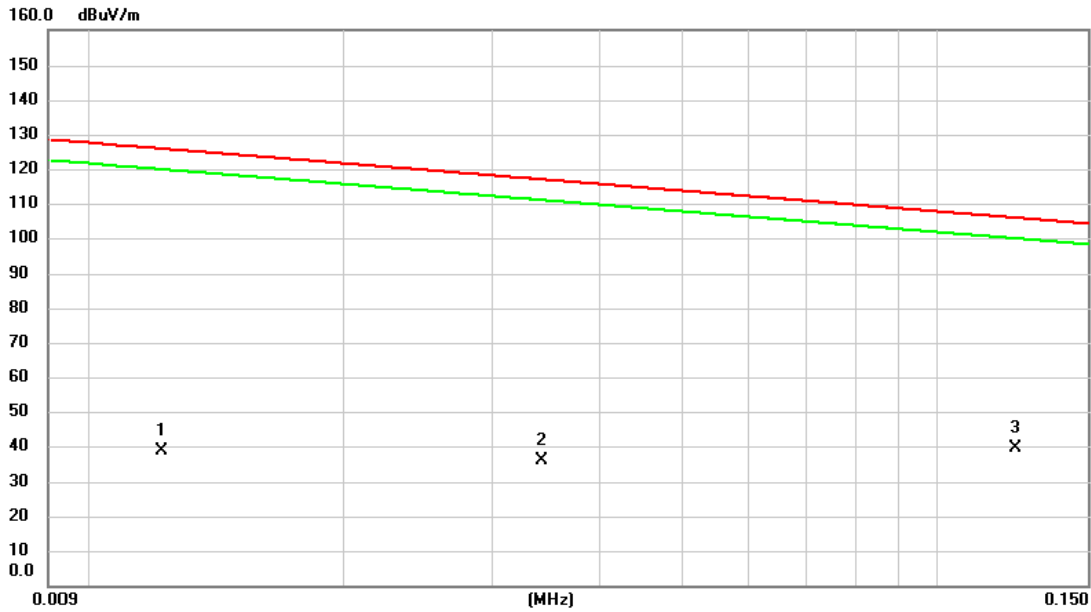
**REMARKS:**

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

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

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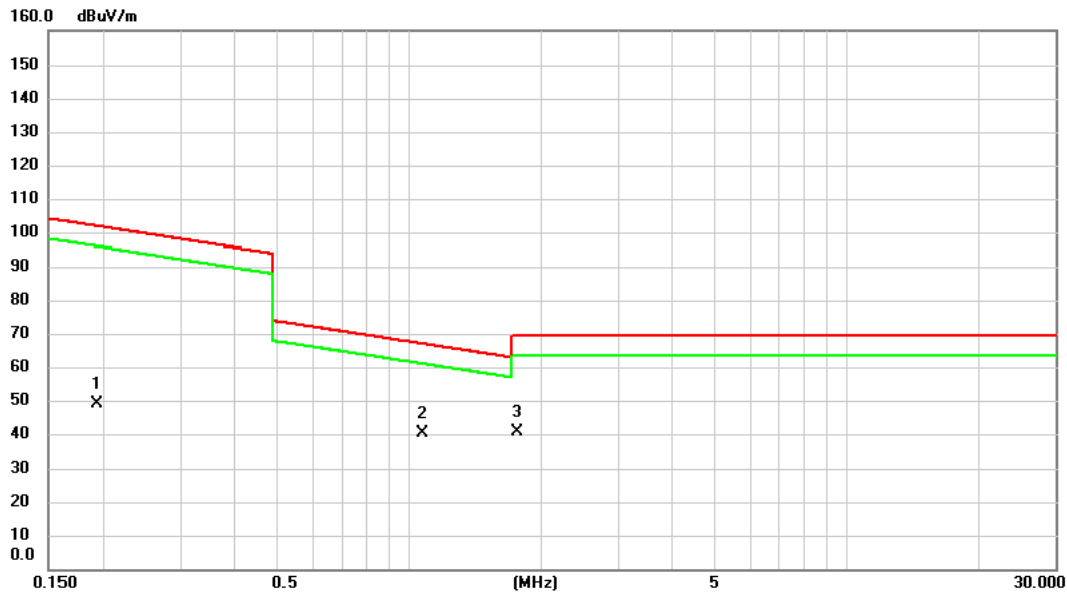


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0122	17.29	21.15	38.44	125.88	-87.44	AVG	
2		0.0342	15.86	20.02	35.88	116.92	-81.04	AVG	
3	*	0.1232	19.24	20.16	39.40	105.80	-66.40	AVG	

**REMARKS:**

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

Test Mode	TX N(HT40) Mode Channel 03	Polarization	Ant 0°
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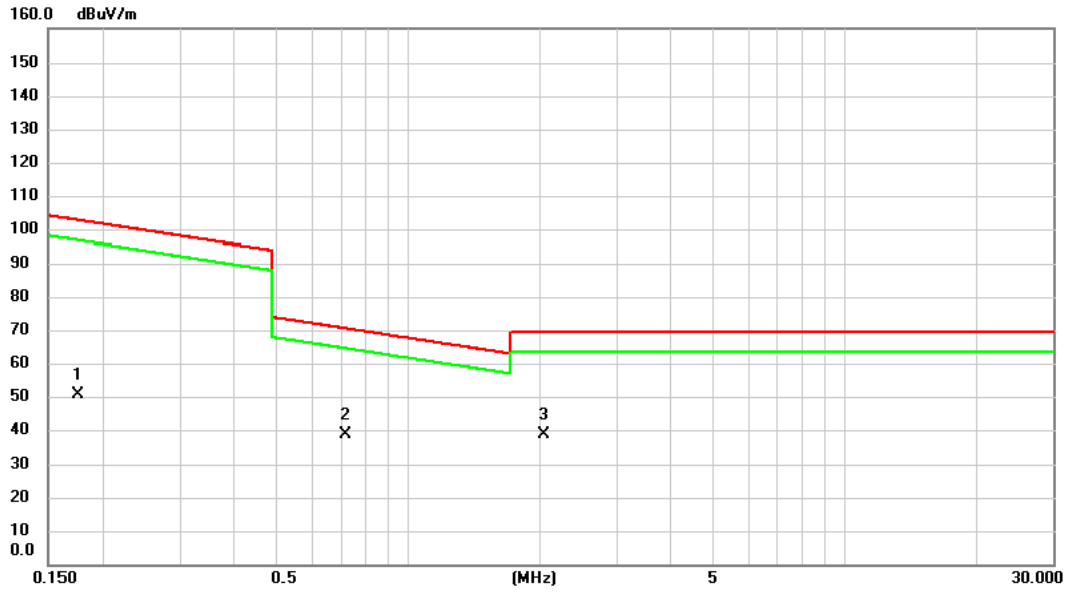
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.1934	28.95	20.07	49.02	101.88	-52.86	AVG	
2	*	1.0754	20.00	20.02	40.02	66.97	-26.95	QP	
3		1.7620	20.60	20.00	40.60	69.54	-28.94	QP	

**REMARKS:**

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



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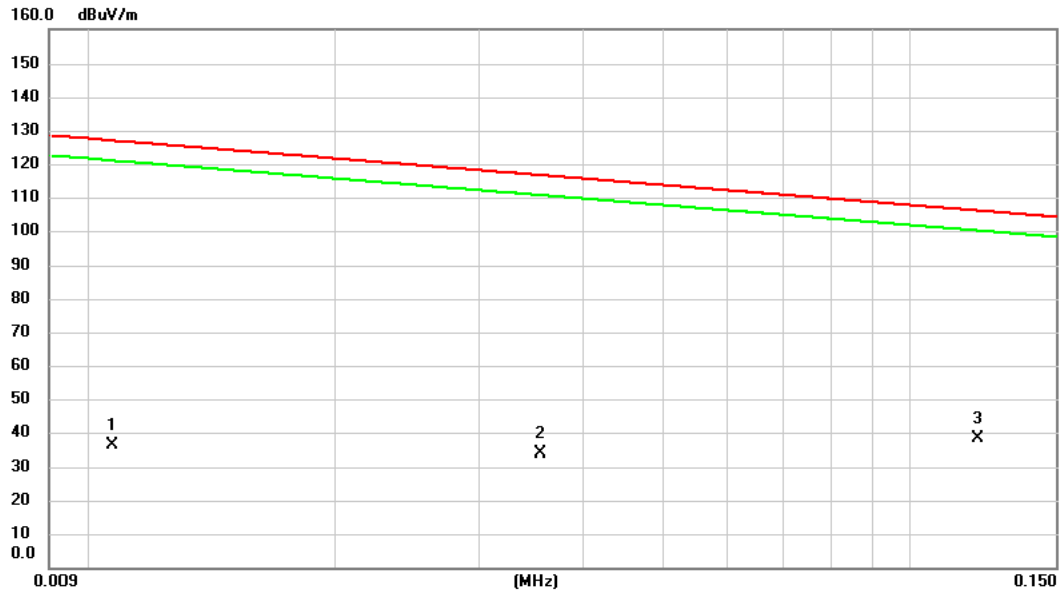


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.1750	30.68	20.10	50.78	102.75	-51.97	AVG	
2		0.7171	18.38	20.04	38.42	70.49	-32.07	AVG	
3	*	2.0333	18.73	20.00	38.73	69.54	-30.81	AVG	

**REMARKS:**

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

Test Mode	TX N(HT40) Mode Channel 03	Polarization	Ant 90°
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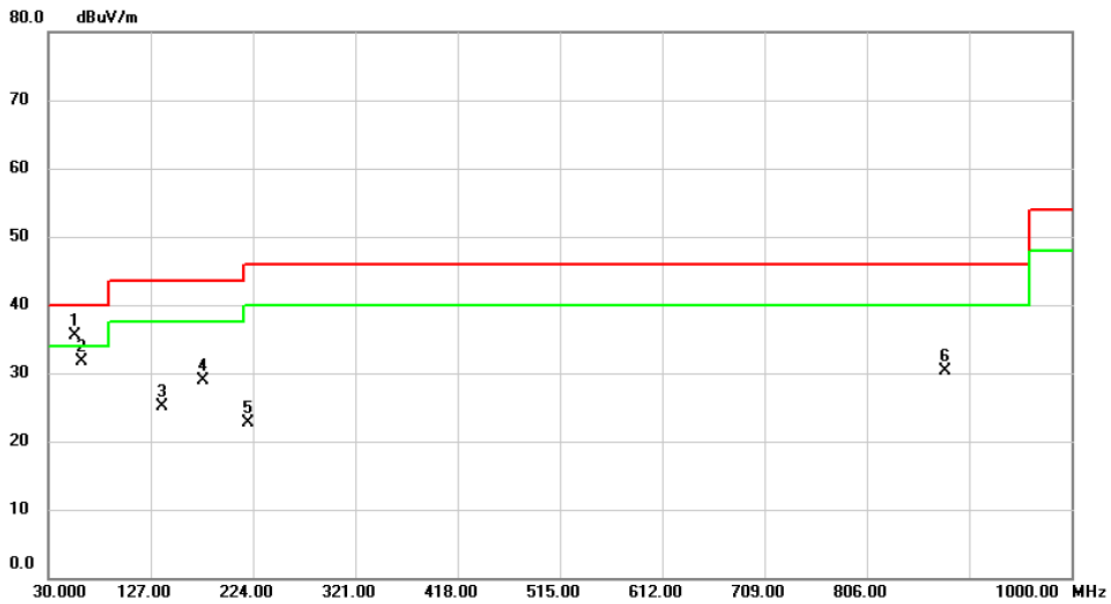
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0107	14.87	21.23	36.10	127.02	-90.92	AVG	
2		0.0355	13.85	20.01	33.86	116.60	-82.74	AVG	
3	*	0.1205	17.99	20.17	38.16	105.99	-67.83	AVG	

**REMARKS:**

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

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

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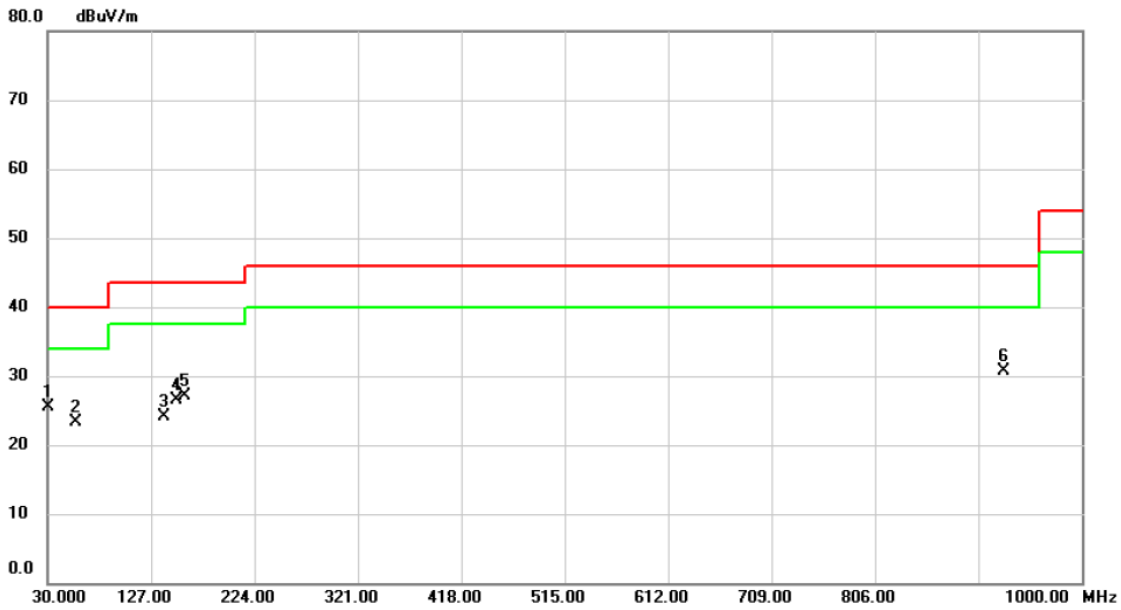


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	55.7050	47.68	-12.20	35.48	40.00	-4.52	peak	
2	62.0100	44.56	-12.86	31.70	40.00	-8.30	peak	
3	138.6400	37.54	-12.52	25.02	43.50	-18.48	peak	
4	176.4700	41.58	-12.72	28.86	43.50	-14.64	peak	
5	219.6350	37.92	-15.19	22.73	46.00	-23.27	peak	
6	880.2050	30.88	-0.48	30.40	46.00	-15.60	peak	

**REMARKS:**

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

Test Mode	TX N(HT40) Mode Channel 03	Polarization	Vertical
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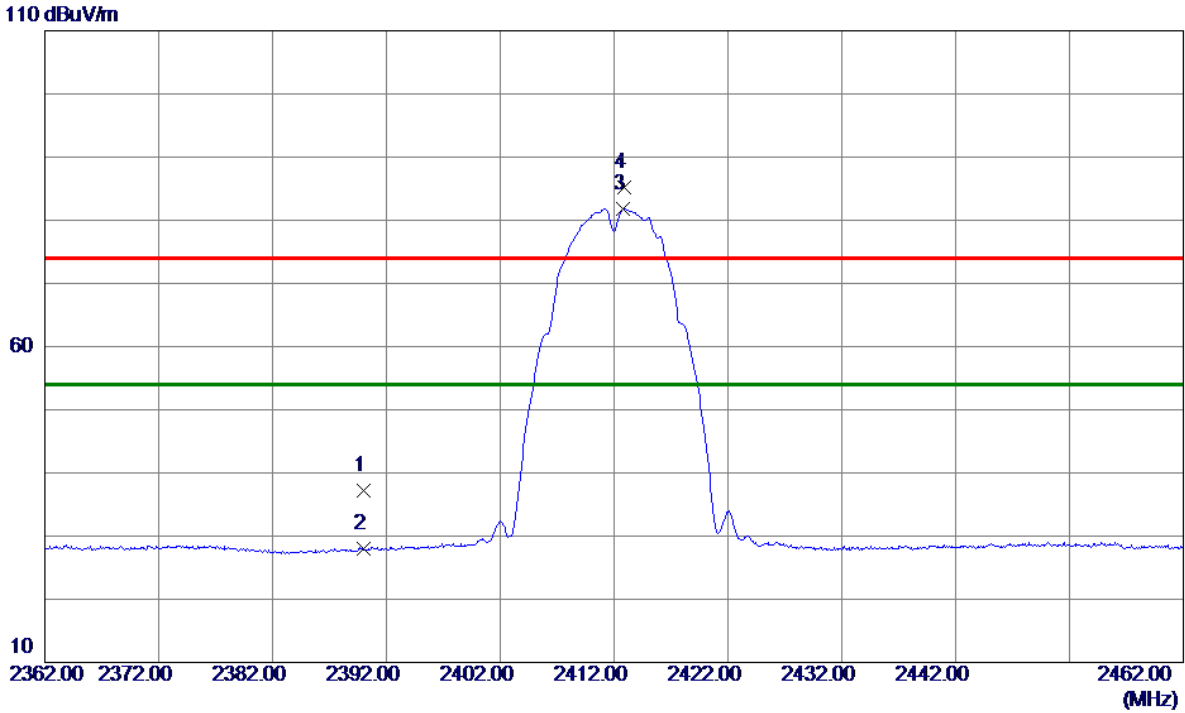
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	30.0000	38.87	-13.35	25.52	40.00	-14.48	peak	
2		56.1900	35.60	-12.24	23.36	40.00	-16.64	peak	
3		139.1250	36.67	-12.48	24.19	43.50	-19.31	peak	
4		150.7650	38.17	-11.71	26.46	43.50	-17.04	peak	
5		158.0400	38.87	-11.69	27.18	43.50	-16.32	peak	
6		926.2800	30.72	0.06	30.78	46.00	-15.22	peak	

**REMARKS:**

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

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

Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal
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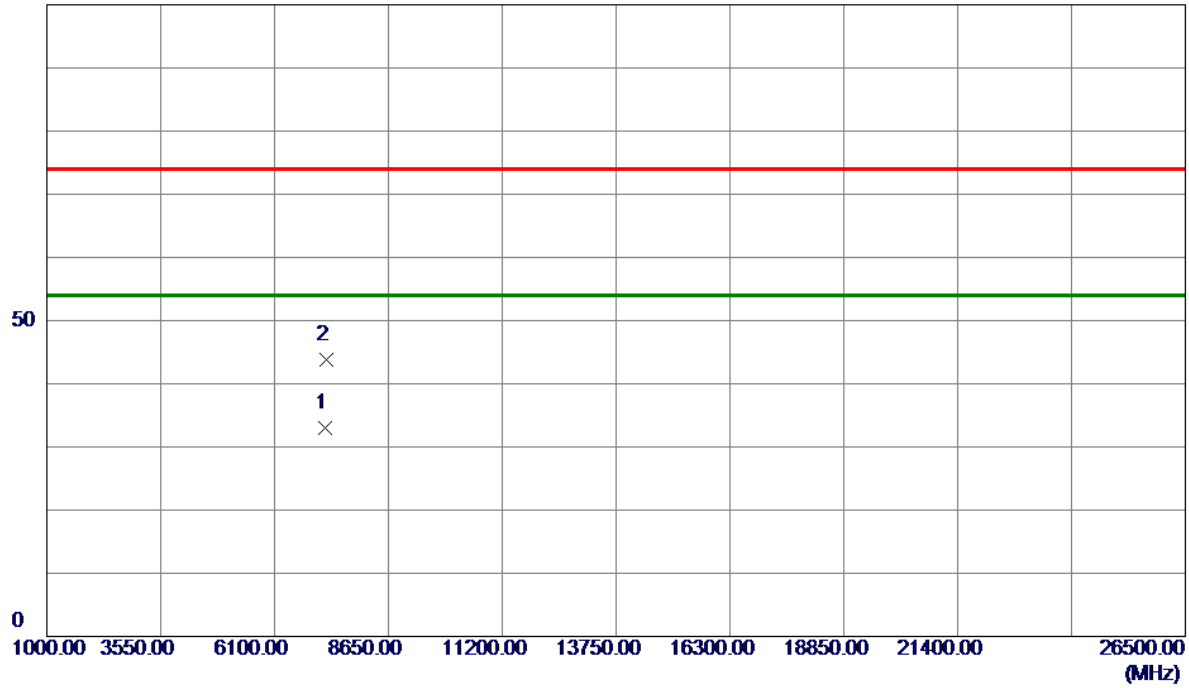
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	37.67	-0.42	37.25	74.00	-36.75	Peak	
2	2390.0000	28.40	-0.42	27.98	54.00	-26.02	AVG	
3 *	2412.8000	82.26	-0.41	81.85	54.00	27.85	AVG	
4	2412.8500	85.69	-0.41	85.28	74.00	11.28	Peak	

**REMARKS:**

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

Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal
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100 dBuV/m



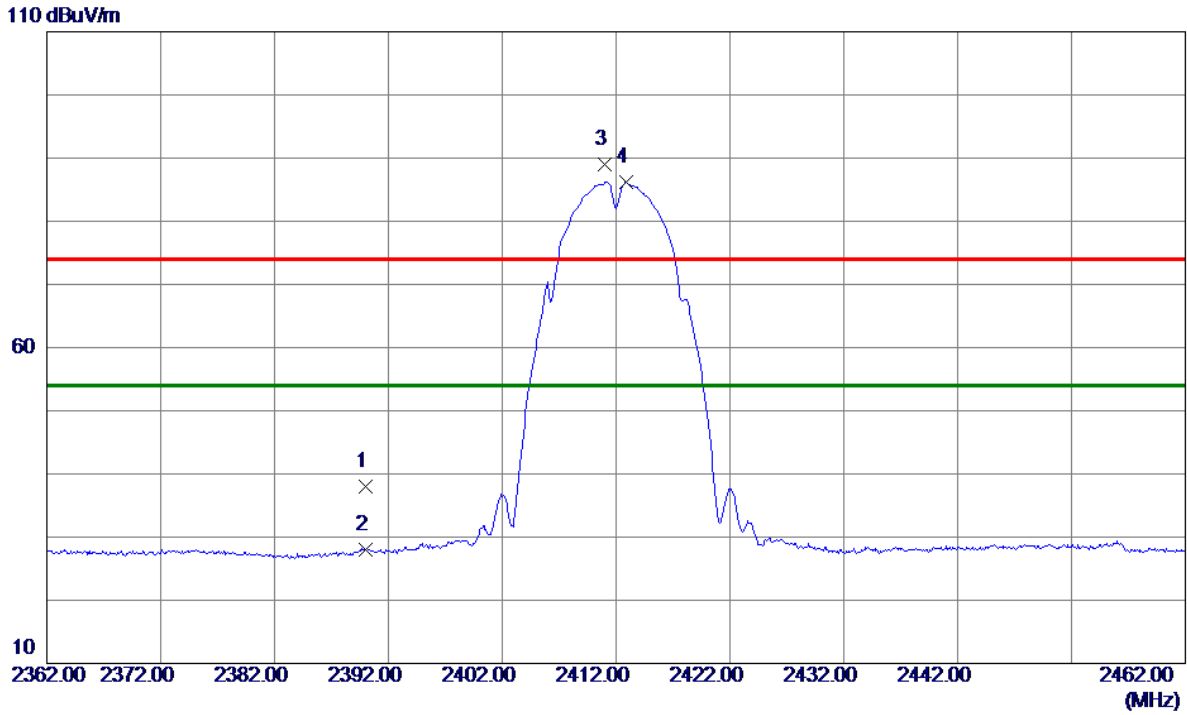
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7240.1000	26.74	6.21	32.95	54.00	-21.05	AVG	
2	7256.4250	37.62	6.24	43.86	74.00	-30.14	Peak	

REMARKS:

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



Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal
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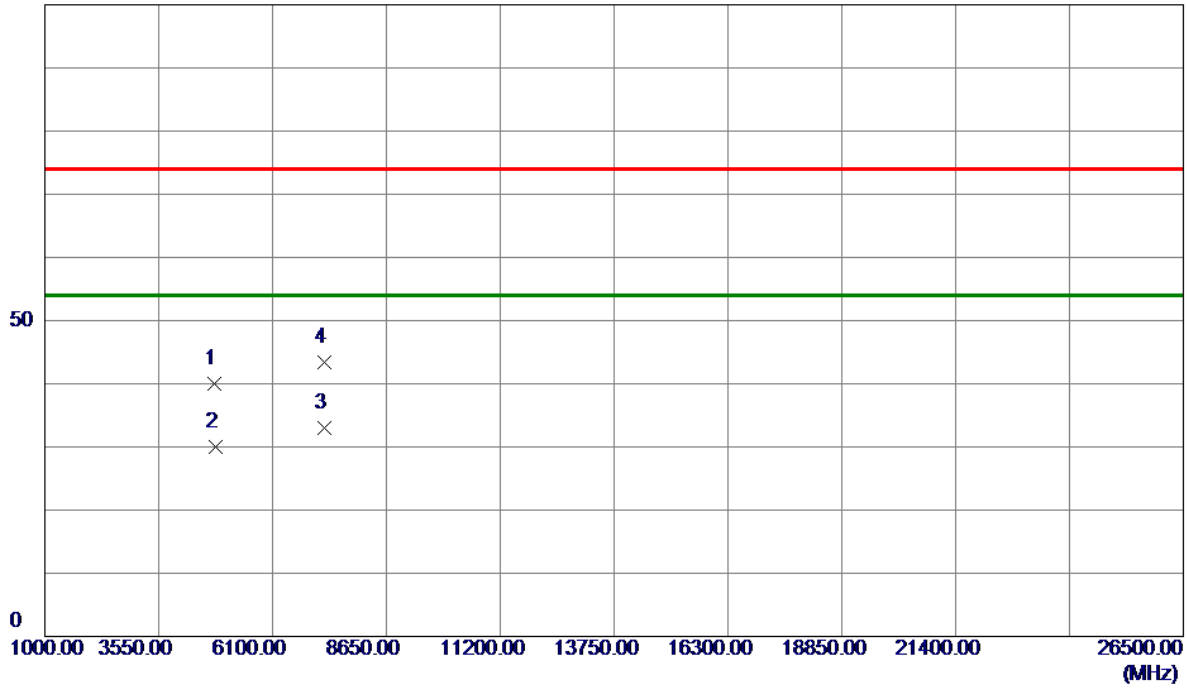
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	38.49	-0.42	38.07	74.00	-35.93	Peak	
2	2390.0000	28.41	-0.42	27.99	54.00	-26.01	AVG	
3	2411.0500	89.33	-0.41	88.92	74.00	14.92	Peak	
4 *	2412.9000	86.66	-0.41	86.25	54.00	32.25	AVG	

**REMARKS:**

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

Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal
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100 dBuV/m

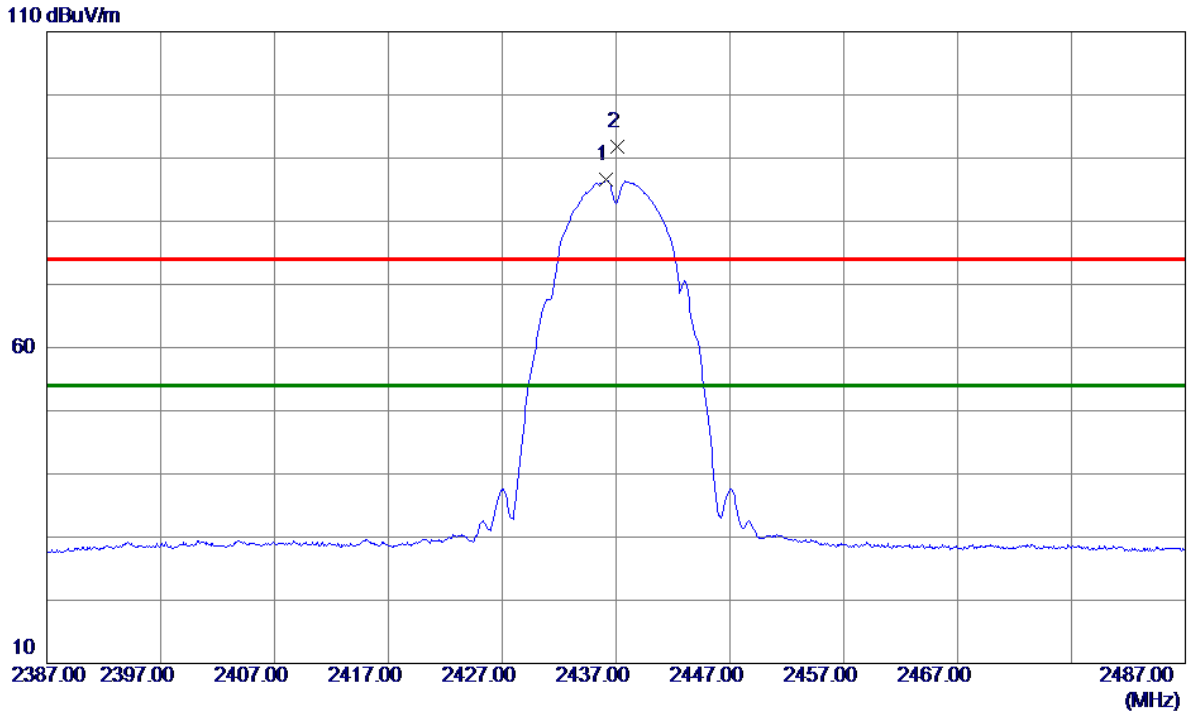


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4809.6500	38.22	1.74	39.96	74.00	-34.04	Peak	
2	4823.9250	28.23	1.78	30.01	54.00	-23.99	AVG	
3 *	7249.6250	26.85	6.23	33.08	54.00	-20.92	AVG	
4	7251.9250	37.22	6.23	43.45	74.00	-30.55	Peak	

REMARKS:

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

Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal
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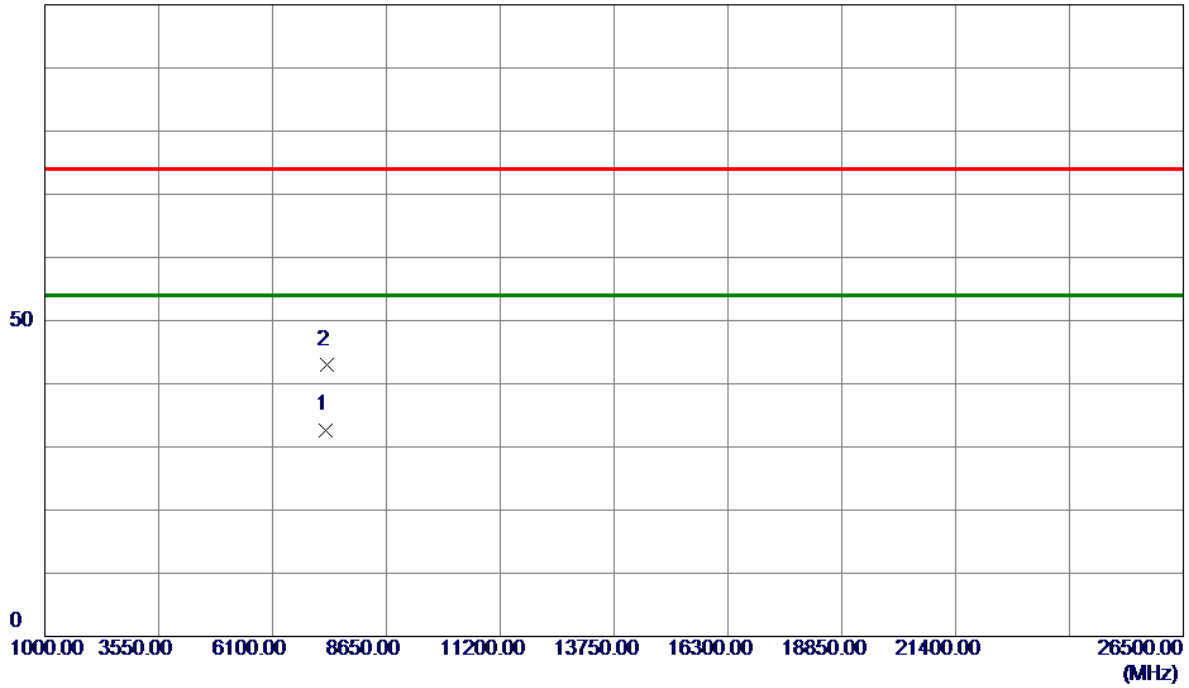
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2436.1500	86.92	-0.39	86.53	54.00	32.53	AVG	
2	2437.1000	92.10	-0.39	91.71	74.00	17.71	Peak	

**REMARKS:**

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

Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal
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100 dBuV/m

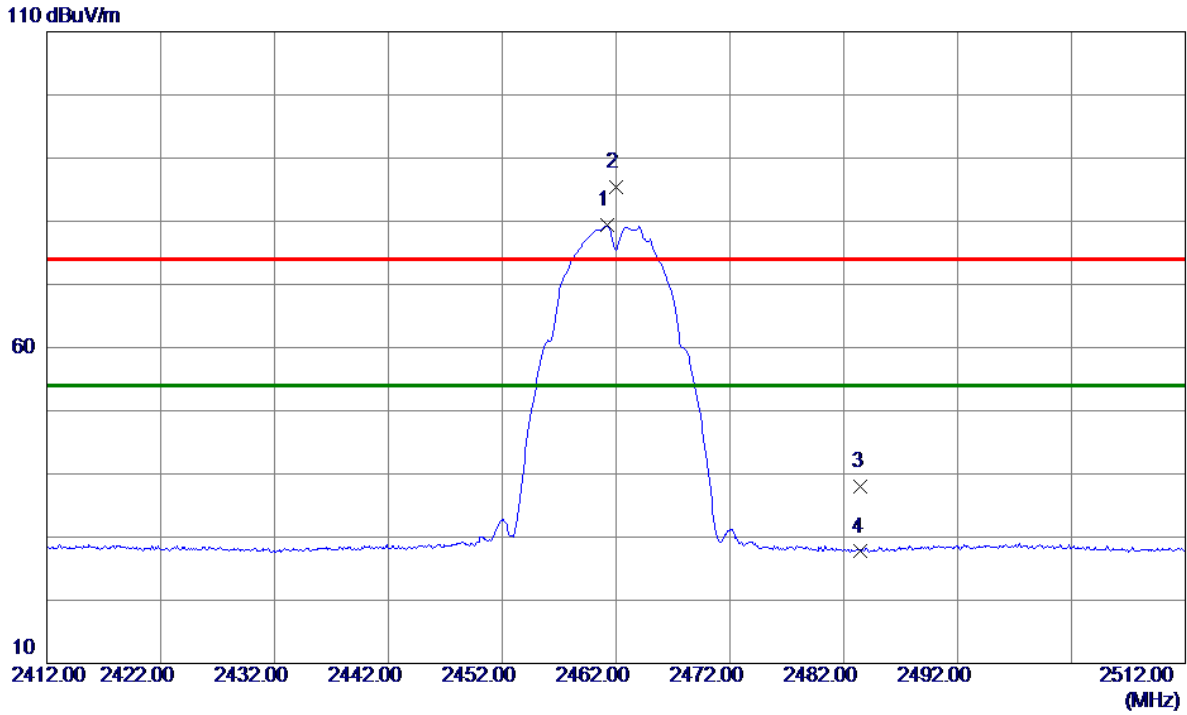


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7286.8250	26.40	6.30	32.70	54.00	-21.30	AVG	
2	7306.9750	36.64	6.34	42.98	74.00	-31.02	Peak	

REMARKS:

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

Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal
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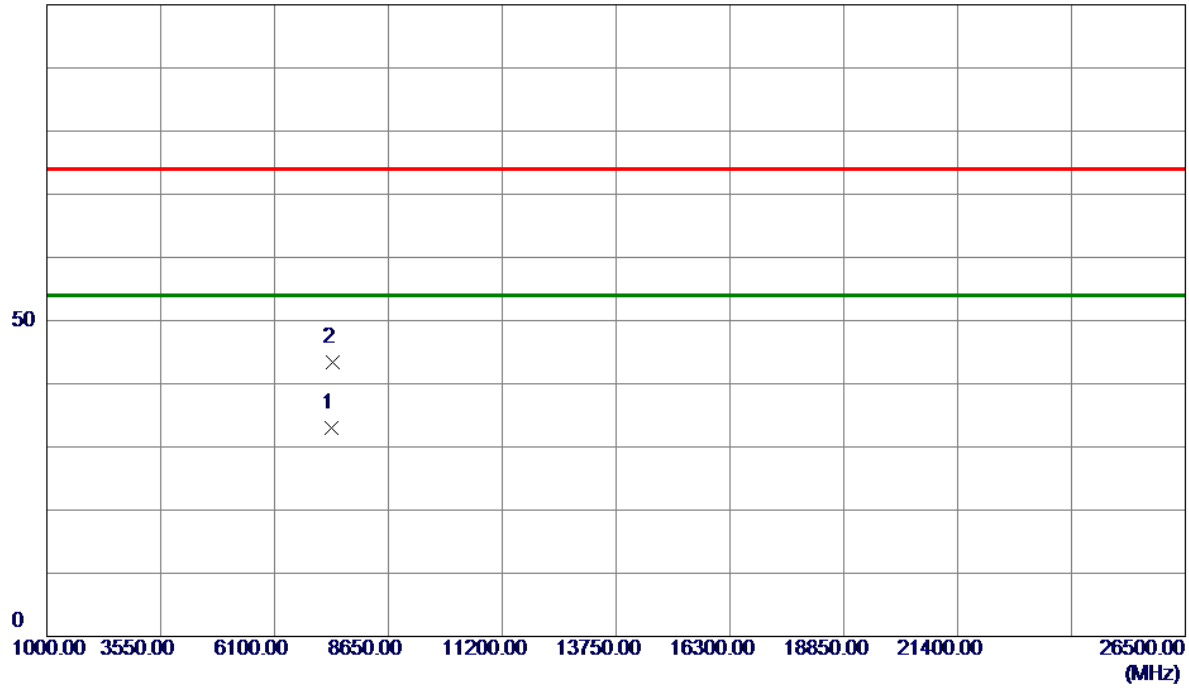
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2461.2000	79.70	-0.38	79.32	54.00	25.32	AVG	
2	2461.9500	85.77	-0.38	85.39	74.00	11.39	Peak	
3	2483.5000	38.29	-0.36	37.93	74.00	-36.07	Peak	
4	2483.5000	28.06	-0.36	27.70	54.00	-26.30	AVG	

**REMARKS:**

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

Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal
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100 dBuV/m

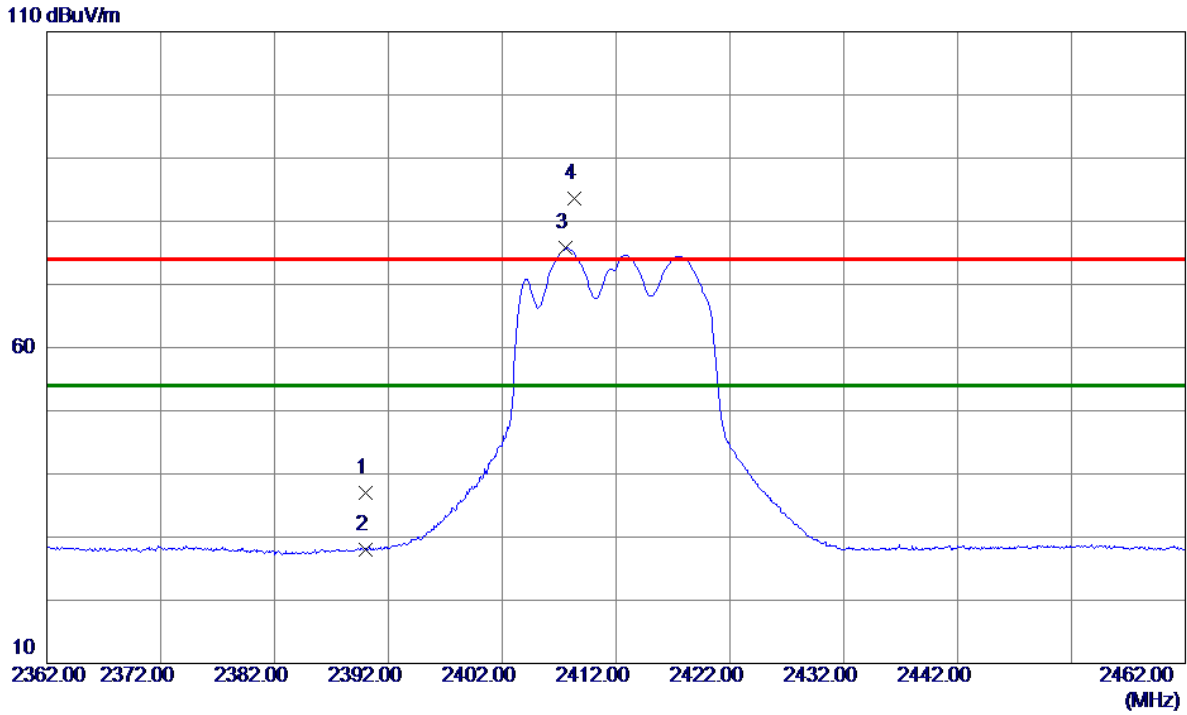


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7385.3000	26.51	6.50	33.01	54.00	-20.99	AVG	
2	7405.0500	36.92	6.54	43.46	74.00	-30.54	Peak	

REMARKS:

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

Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal
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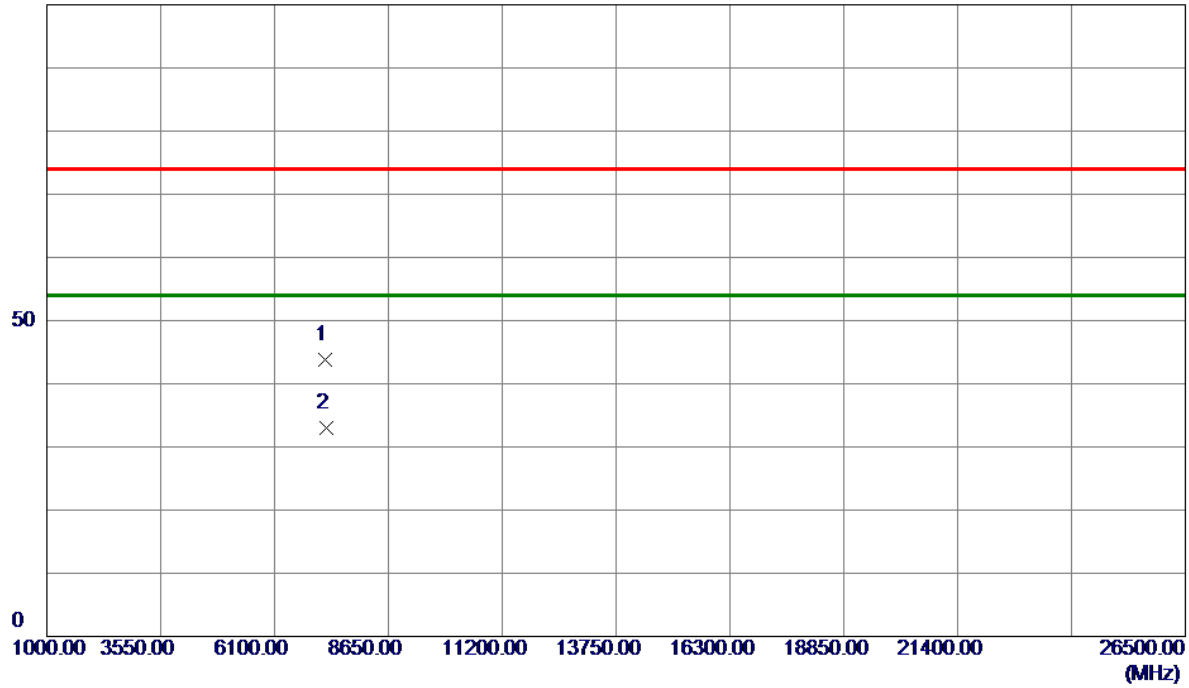
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	37.42	-0.42	37.00	74.00	-37.00	Peak	
2	2390.0000	28.45	-0.42	28.03	54.00	-25.97	AVG	
3 *	2407.6000	76.16	-0.41	75.75	54.00	21.75	AVG	
4	2408.3000	83.95	-0.41	83.54	74.00	9.54	Peak	

**REMARKS:**

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

Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal
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100 dBuV/m



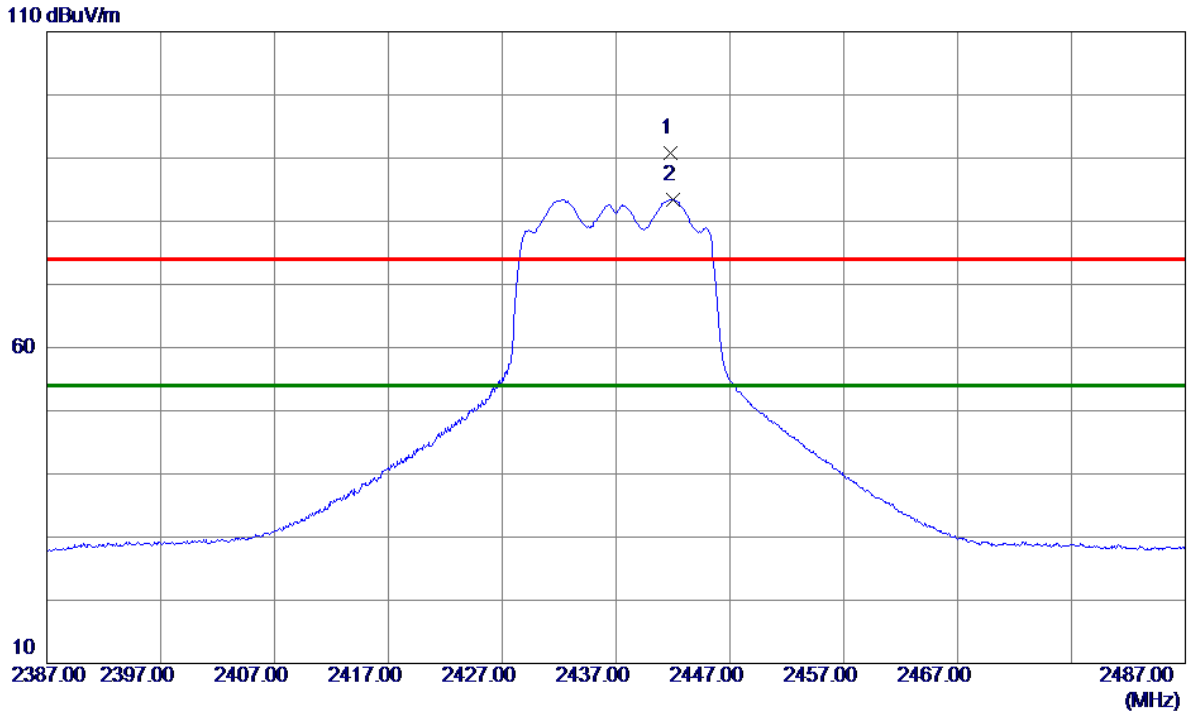
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7238.6500	37.52	6.21	43.73	74.00	-30.27	Peak	
2 *	7257.2250	26.70	6.24	32.94	54.00	-21.06	AVG	

REMARKS:

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



Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal
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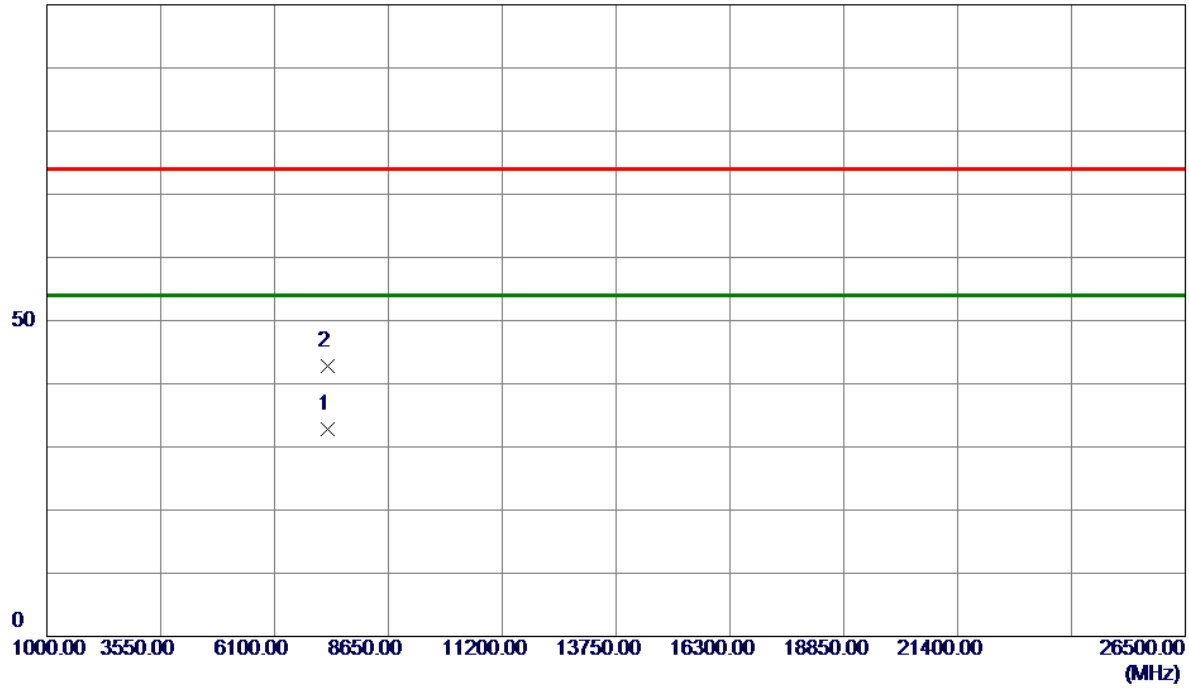
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2441.8000	91.21	-0.39	90.82	74.00	16.82	Peak	
2 *	2441.9500	83.84	-0.39	83.45	54.00	29.45	AVG	

**REMARKS:**

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

Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal
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100 dBuV/m

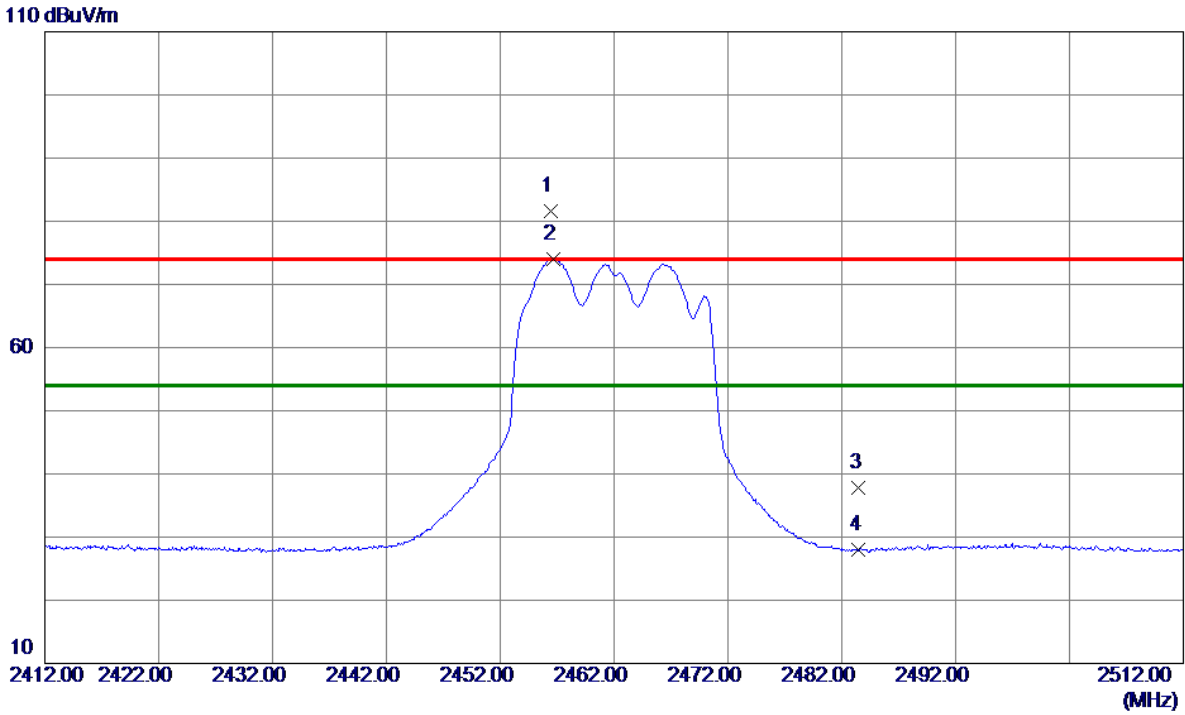


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7293.7250	26.39	6.32	32.71	54.00	-21.29	AVG	
2	7296.3500	36.39	6.32	42.71	74.00	-31.29	Peak	

REMARKS:

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

Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal
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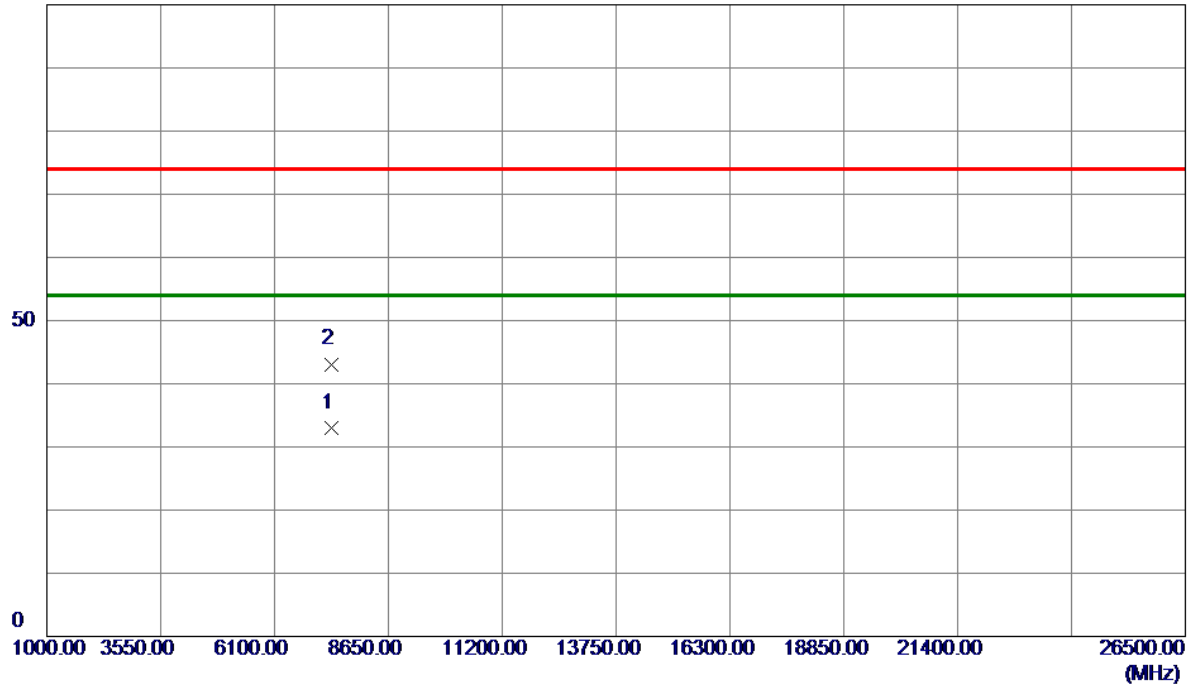
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2456.4500	81.92	-0.38	81.54	74.00	7.54	Peak	
2 *	2456.6500	74.33	-0.38	73.95	54.00	19.95	AVG	
3	2483.5000	38.14	-0.36	37.78	74.00	-36.22	Peak	
4	2483.5000	28.31	-0.36	27.95	54.00	-26.05	AVG	

**REMARKS:**

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

Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal
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100 dBuV/m

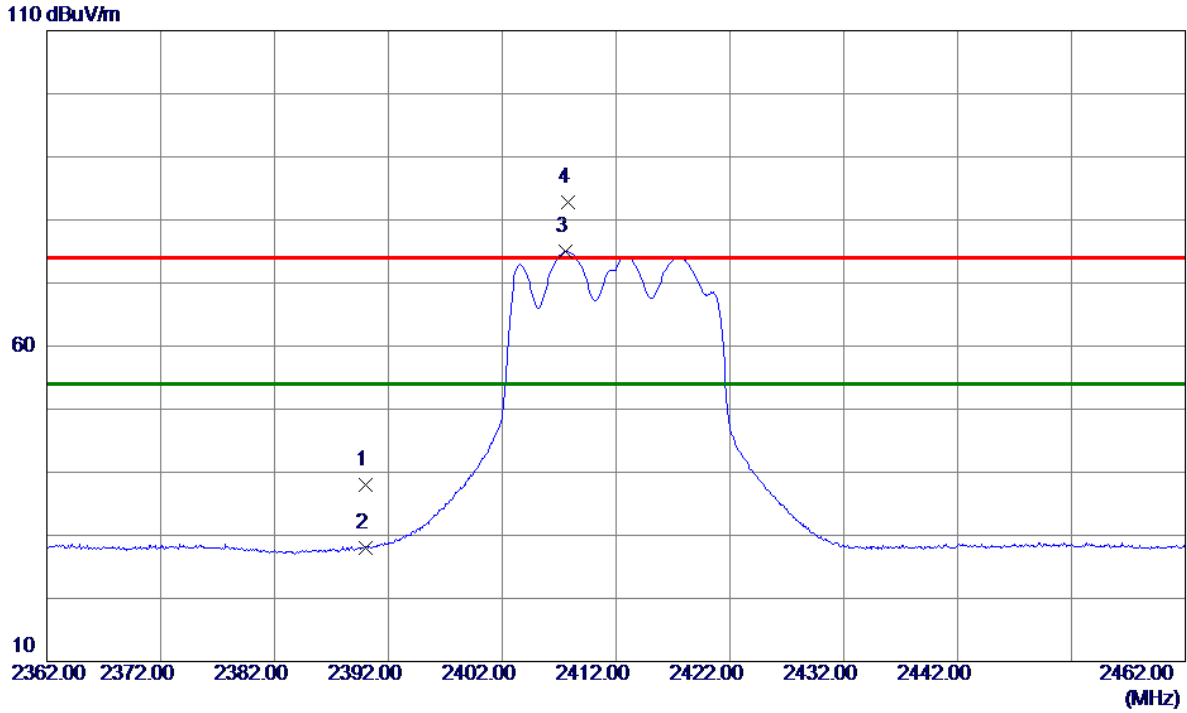


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7372.7750	26.51	6.48	32.99	54.00	-21.01	AVG	
2	7385.8000	36.60	6.50	43.10	74.00	-30.90	Peak	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Horizontal
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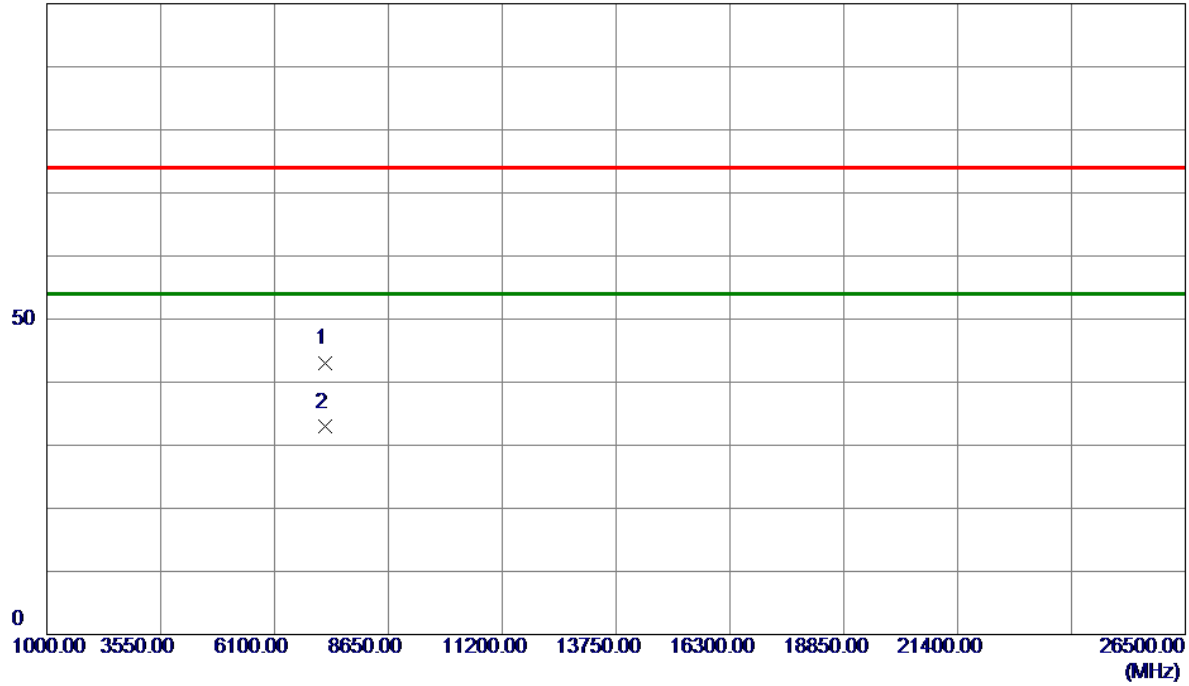
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	38.47	-0.42	38.05	74.00	-35.95	Peak	
2	2390.0000	28.48	-0.42	28.06	54.00	-25.94	AVG	
3 *	2407.6000	75.40	-0.41	74.99	54.00	20.99	AVG	
4	2407.7500	83.13	-0.41	82.72	74.00	8.72	Peak	

**REMARKS:**

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

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Horizontal
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100 dBuV/m

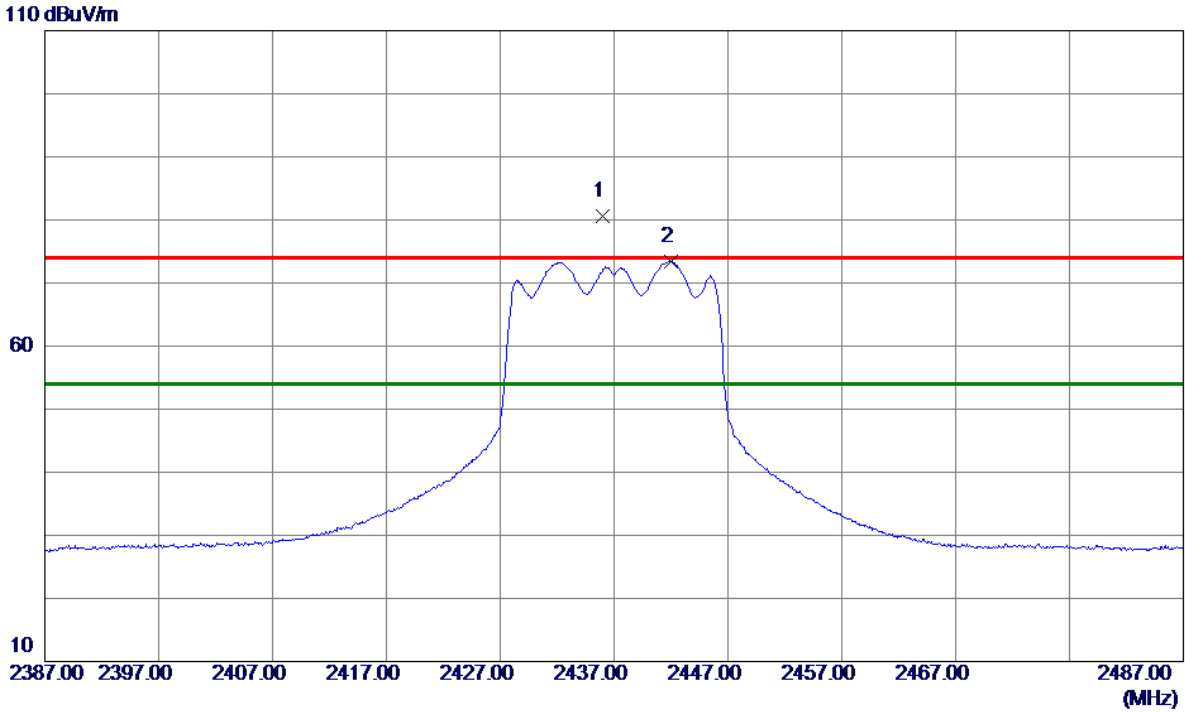


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7239.7500	36.72	6.21	42.93	74.00	-31.07	Peak	
2 *	7242.2500	26.69	6.21	32.90	54.00	-21.10	AVG	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Horizontal
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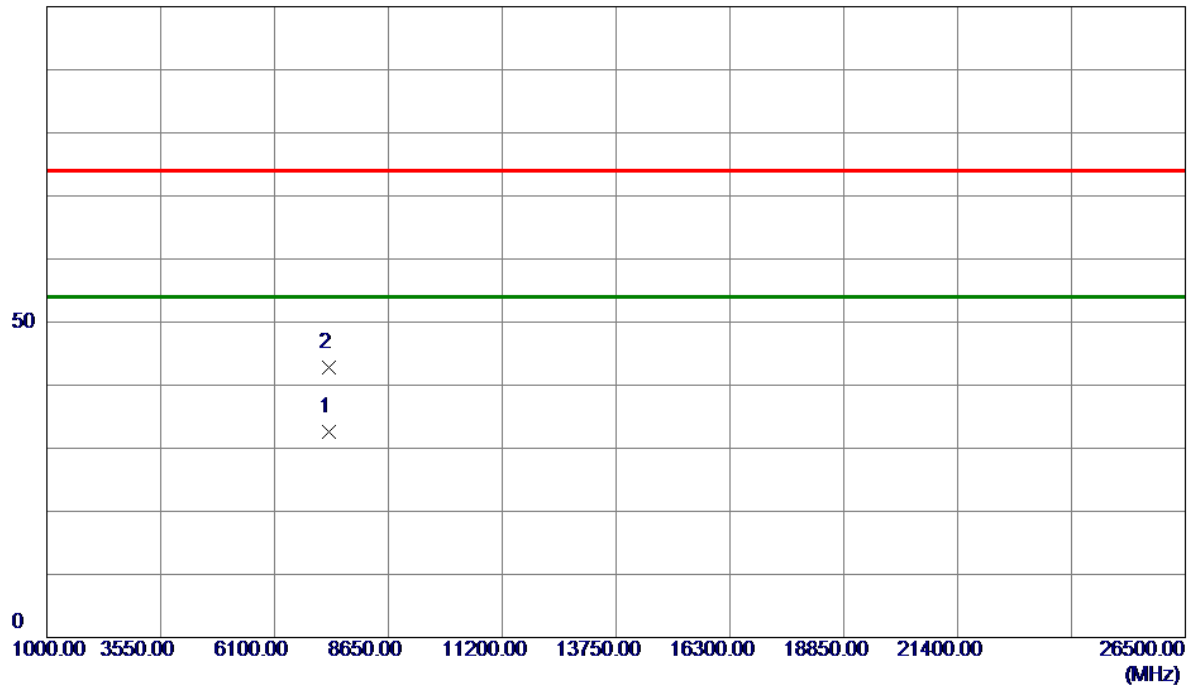
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2436.0000	81.00	-0.39	80.61	74.00	6.61	Peak	
2 *	2442.0500	73.83	-0.39	73.44	54.00	19.44	AVG	

**REMARKS:**

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

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Horizontal
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100 dBuV/m



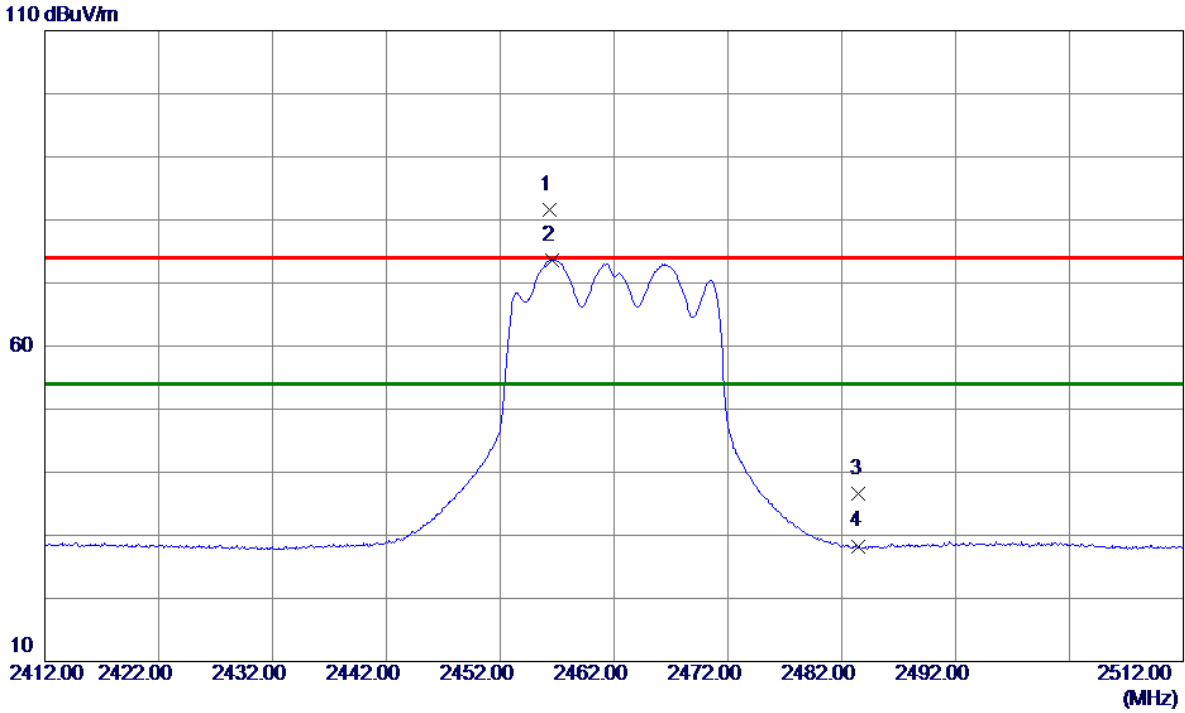
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7306.2500	26.32	6.34	32.66	54.00	-21.34	AVG	
2	7312.7000	36.53	6.36	42.89	74.00	-31.11	Peak	

REMARKS:

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



Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Horizontal
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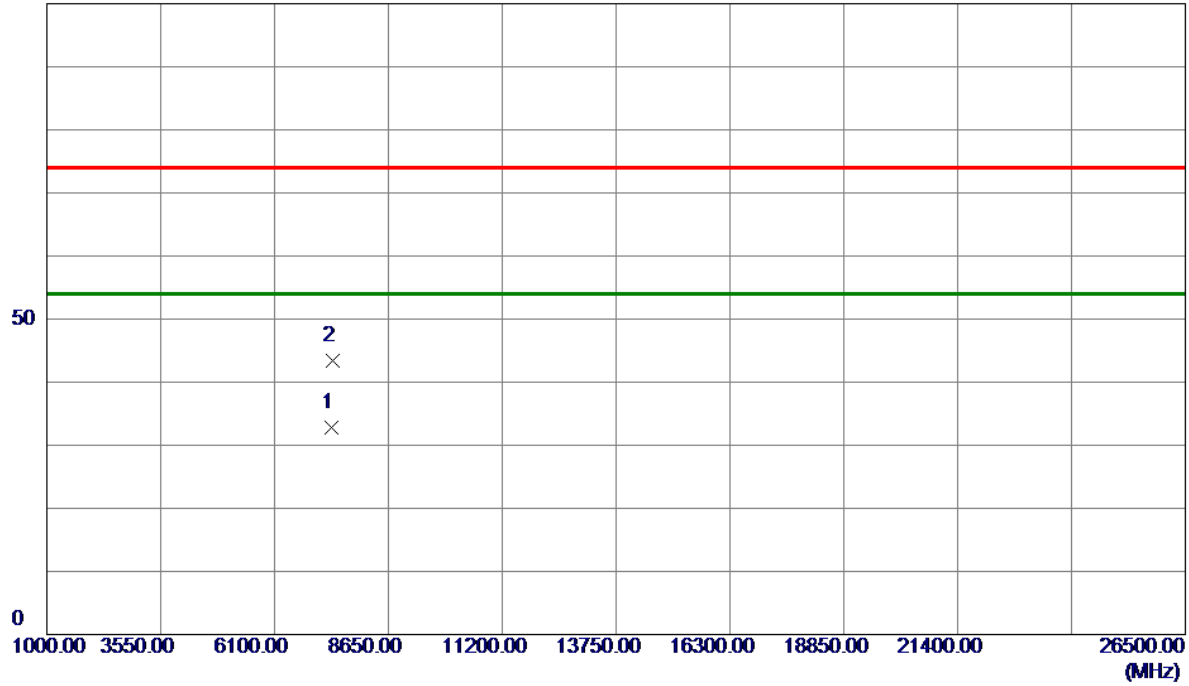
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2456.3000	82.04	-0.38	81.66	74.00	7.66	Peak	
2 *	2456.5500	74.04	-0.38	73.66	54.00	19.66	AVG	
3	2483.5000	37.04	-0.36	36.68	74.00	-37.32	Peak	
4	2483.5000	28.66	-0.36	28.30	54.00	-25.70	AVG	

**REMARKS:**

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

Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Horizontal
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100 dBuV/m

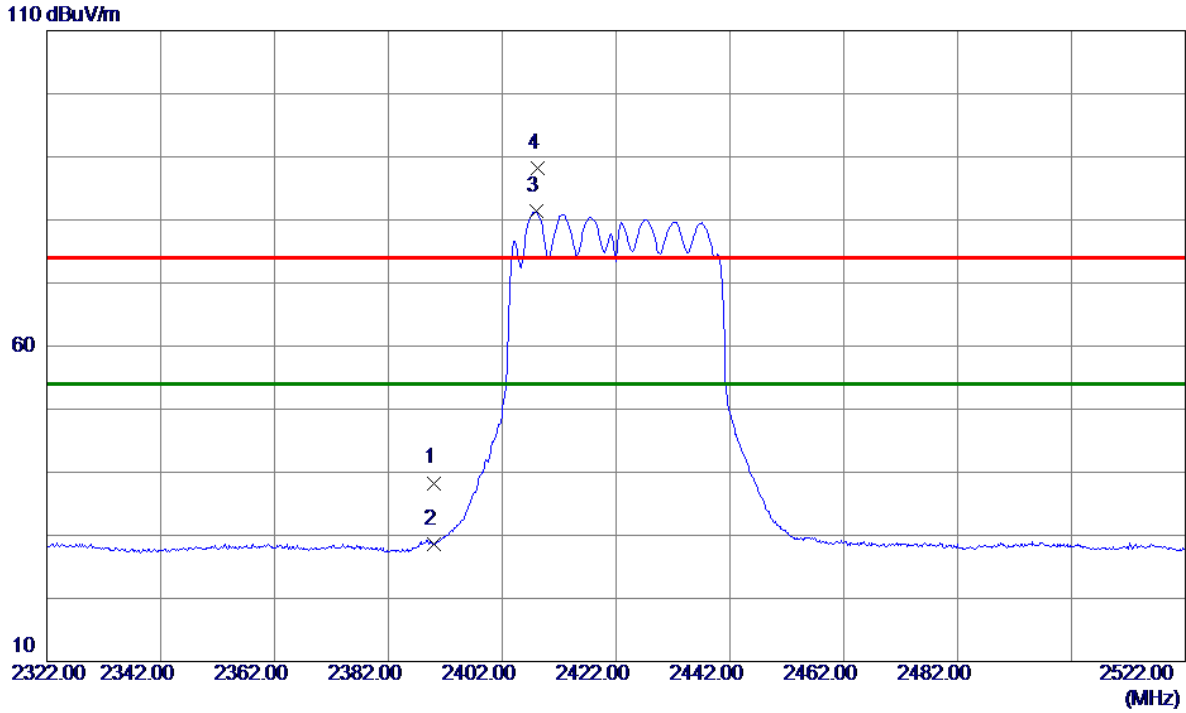


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7372.6750	26.28	6.48	32.76	54.00	-21.24	AVG	
2	7399.1500	36.82	6.53	43.35	74.00	-30.65	Peak	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Horizontal
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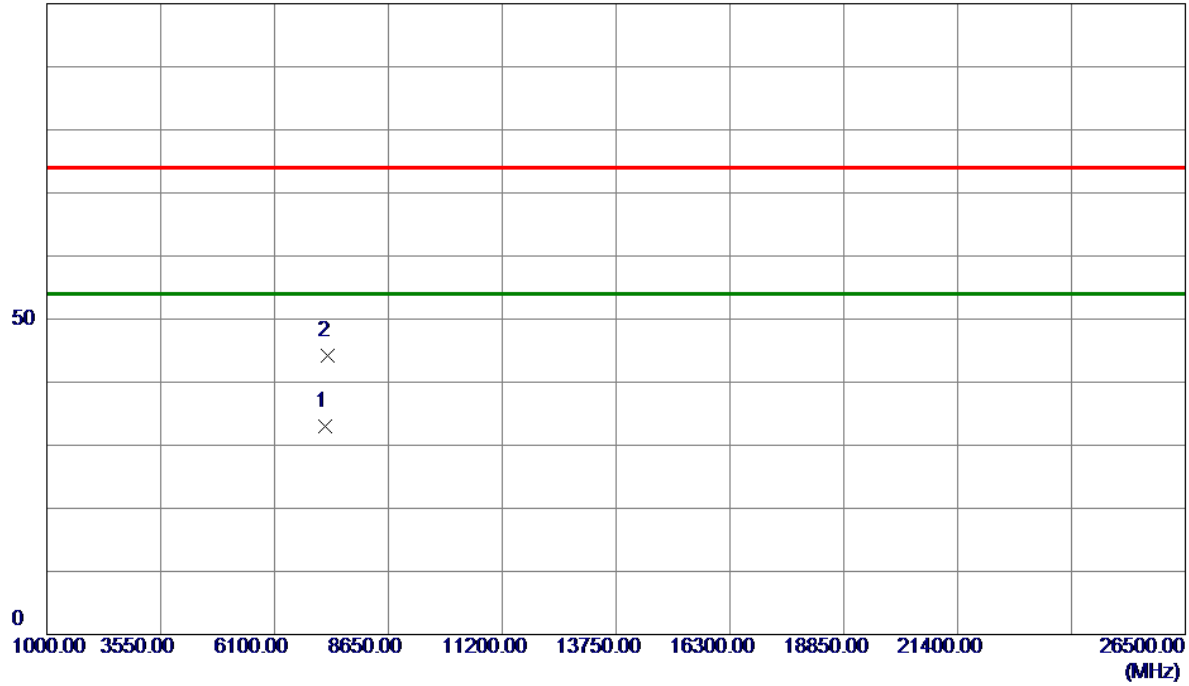
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	38.72	-0.42	38.30	74.00	-35.70	Peak	
2	2390.0000	28.94	-0.42	28.52	54.00	-25.48	AVG	
3 *	2408.0000	81.77	-0.41	81.36	54.00	27.36	AVG	
4	2408.2000	88.66	-0.41	88.25	74.00	14.25	Peak	

**REMARKS:**

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

Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Horizontal
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100 dBuV/m

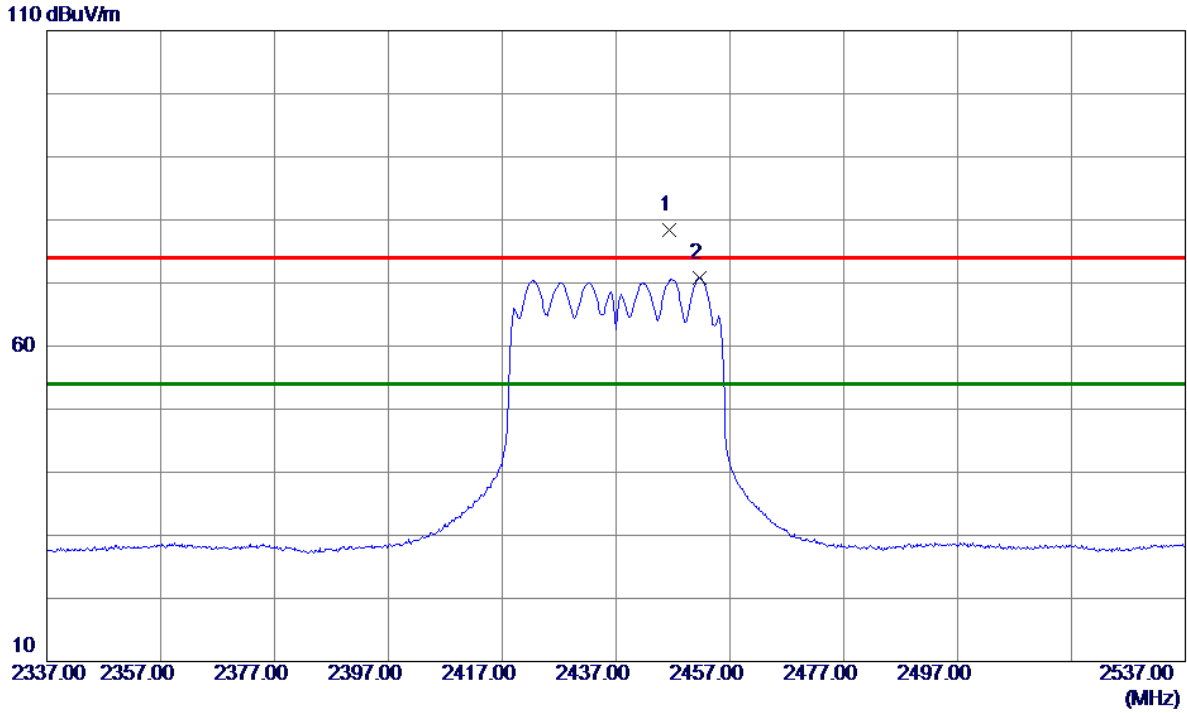


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7246.6250	26.83	6.22	33.05	54.00	-20.95	AVG	
2	7281.4750	37.83	6.29	44.12	74.00	-29.88	Peak	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Horizontal
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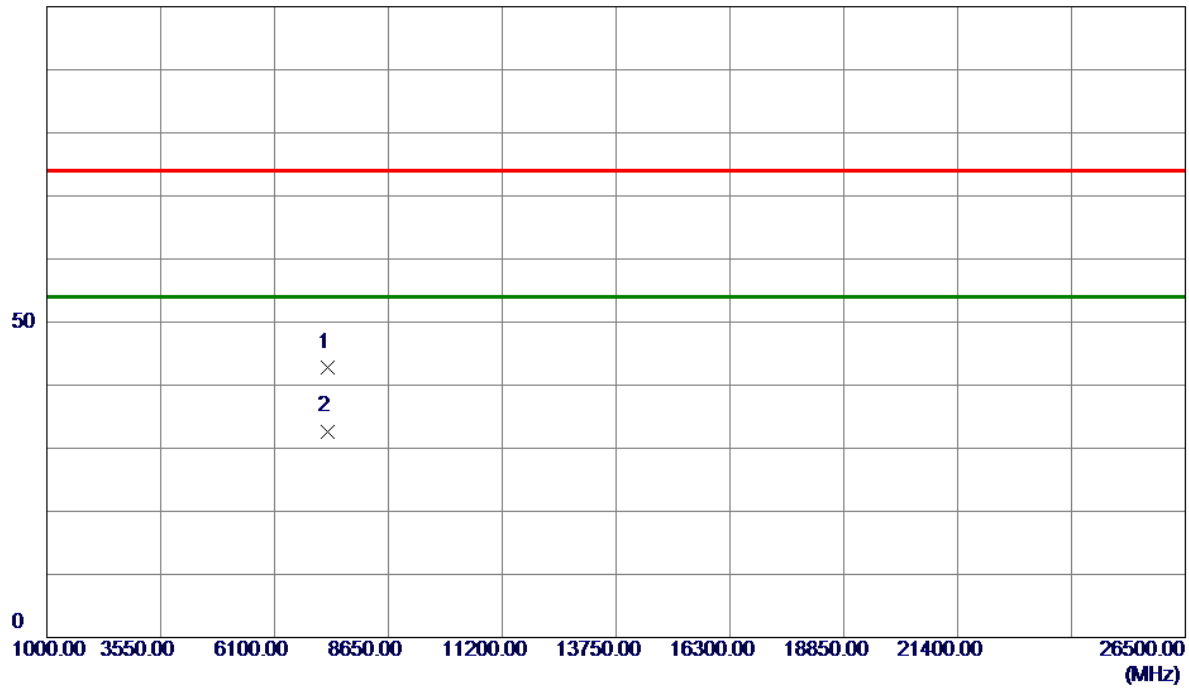
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2446.4000	78.88	-0.39	78.49	74.00	4.49	Peak	
2 *	2451.7000	71.19	-0.38	70.81	54.00	16.81	AVG	

**REMARKS:**

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

Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Horizontal
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100 dBuV/m

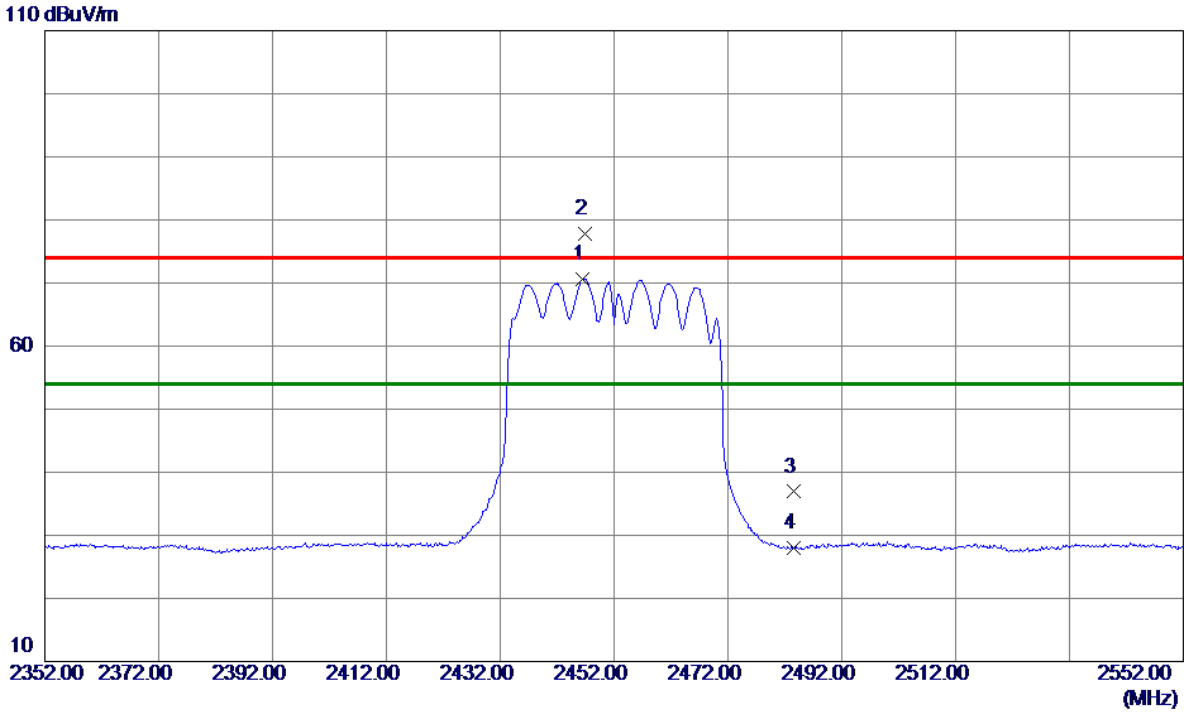


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7292.5000	36.40	6.31	42.71	74.00	-31.29	Peak	
2 *	7293.8750	26.38	6.32	32.70	54.00	-21.30	AVG	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Horizontal
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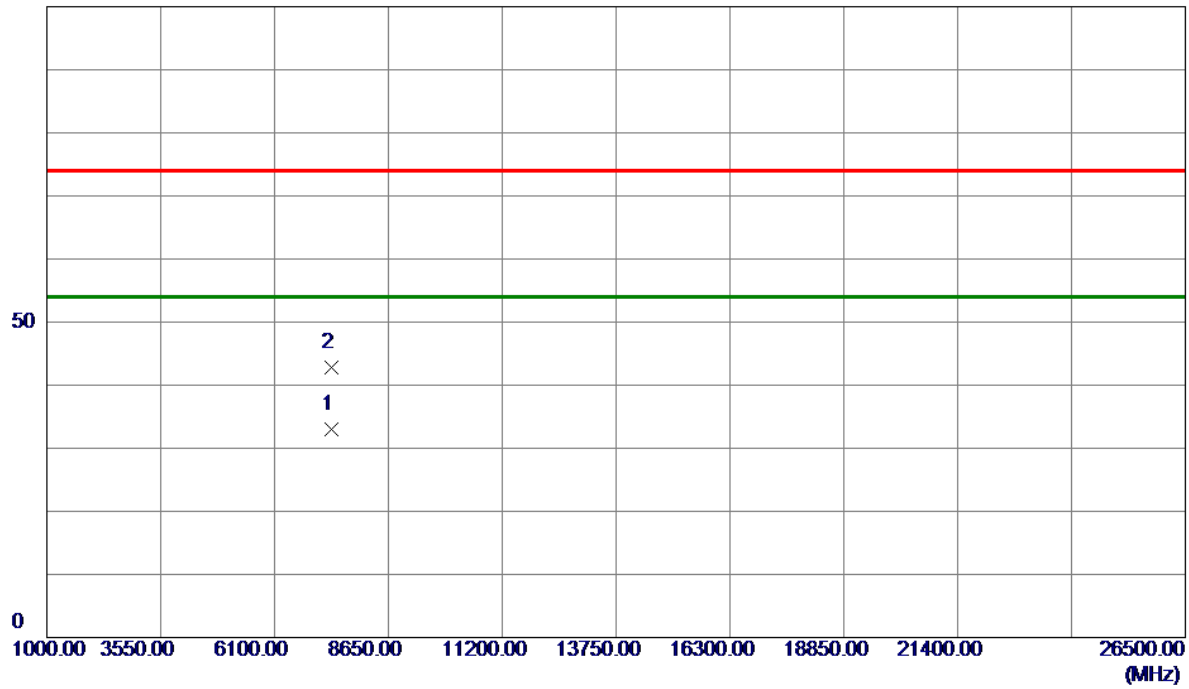
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2446.5000	71.08	-0.39	70.69	54.00	16.69	AVG	
2	2446.9000	78.28	-0.39	77.89	74.00	3.89	Peak	
3	2483.5000	37.26	-0.36	36.90	74.00	-37.10	Peak	
4	2483.5000	28.34	-0.36	27.98	54.00	-26.02	AVG	

**REMARKS:**

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

Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Horizontal
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100 dBuV/m



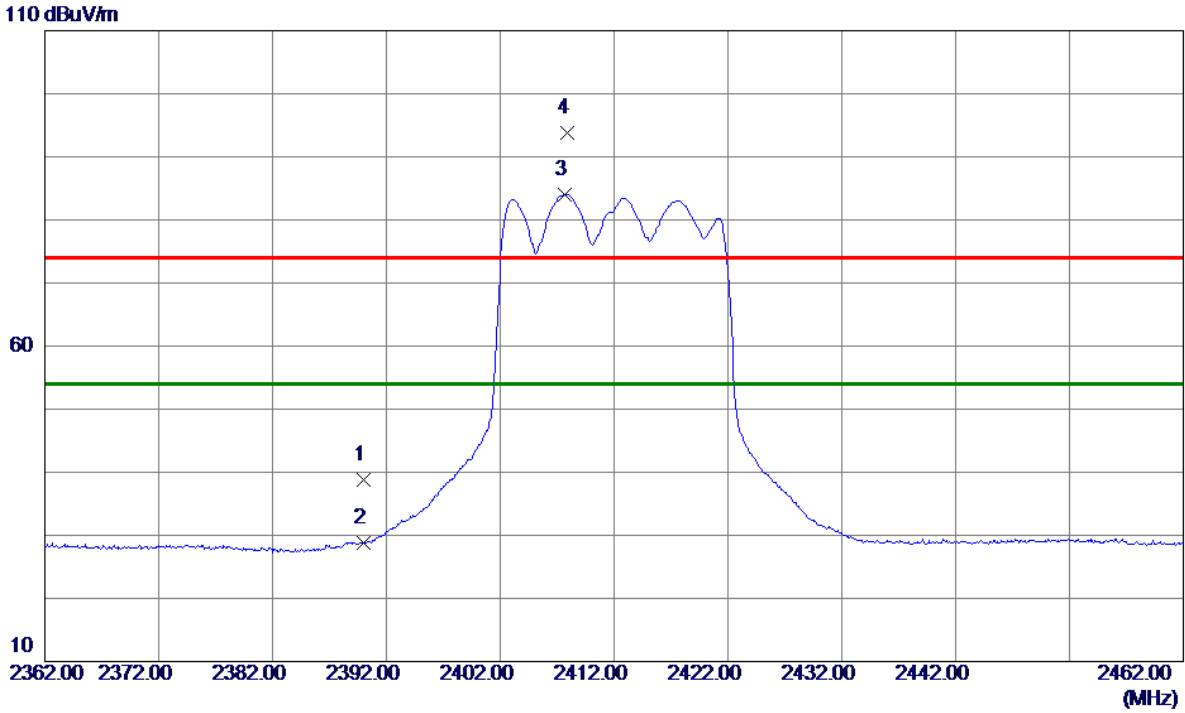
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7367.5000	26.56	6.46	33.02	54.00	-20.98	AVG	
2	7368.3750	36.32	6.47	42.79	74.00	-31.21	Peak	

REMARKS:

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



Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	Horizontal
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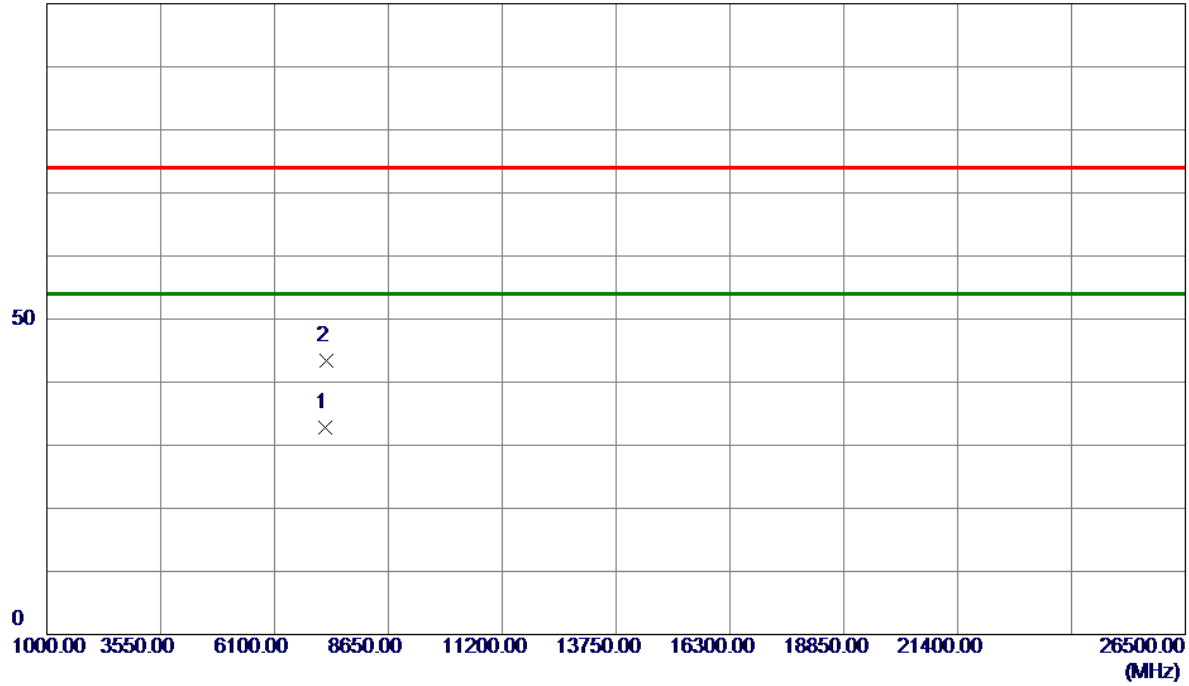
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	39.25	-0.42	38.83	74.00	-35.17	Peak	
2	2390.0000	29.28	-0.42	28.86	54.00	-25.14	AVG	
3 *	2407.7000	84.45	-0.41	84.04	54.00	30.04	AVG	
4	2407.8500	94.22	-0.41	93.81	74.00	19.81	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	Horizontal
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100 dBuV/m

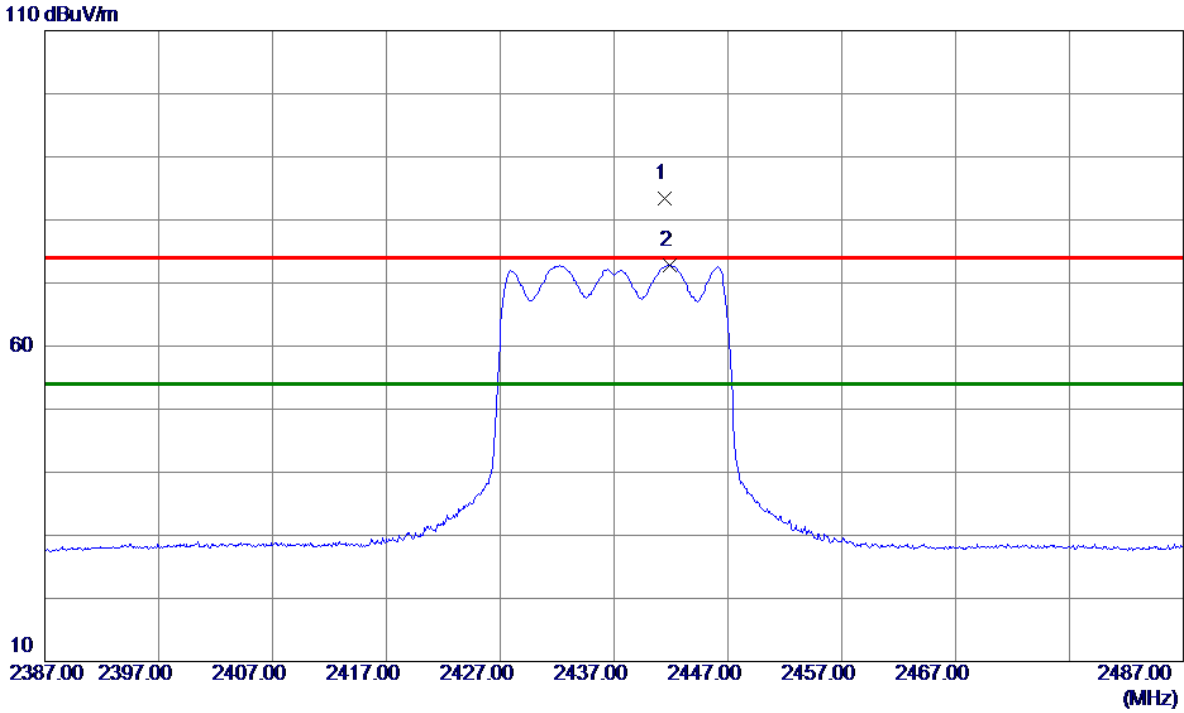


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7241.6000	26.64	6.21	32.85	54.00	-21.15	AVG	
2	7249.8500	37.11	6.23	43.34	74.00	-30.66	Peak	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Horizontal
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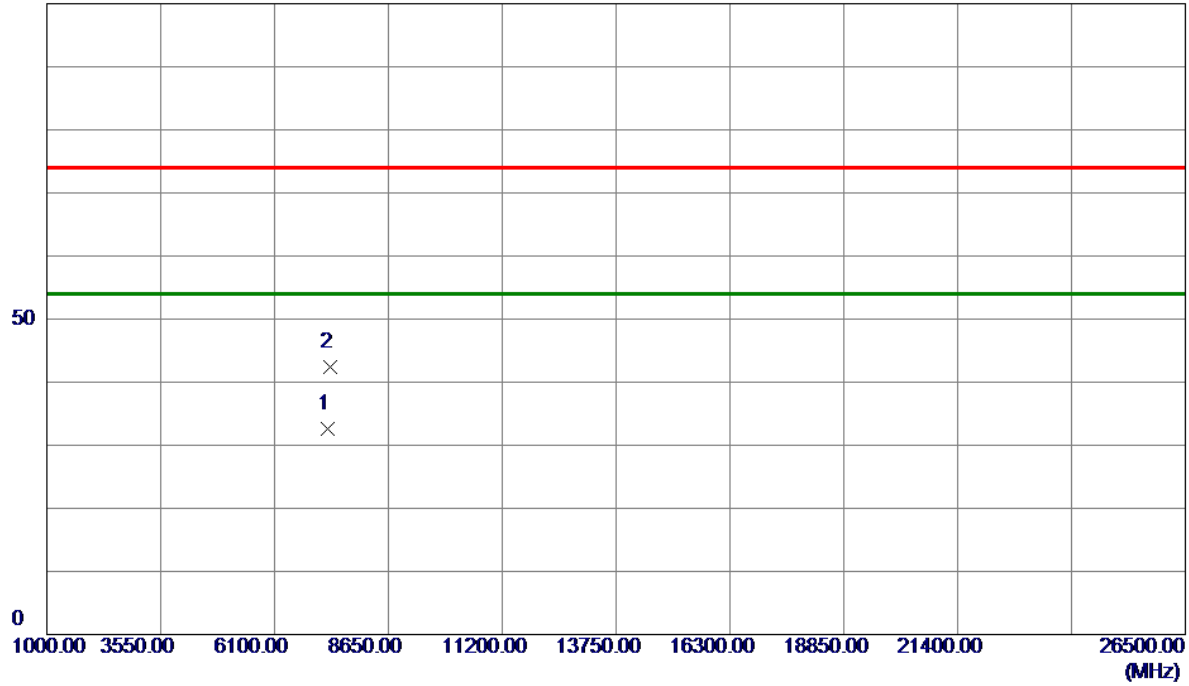
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2441.4500	83.72	-0.39	83.33	74.00	9.33	Peak	
2 *	2441.9000	73.26	-0.39	72.87	54.00	18.87	AVG	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Horizontal
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100 dBuV/m

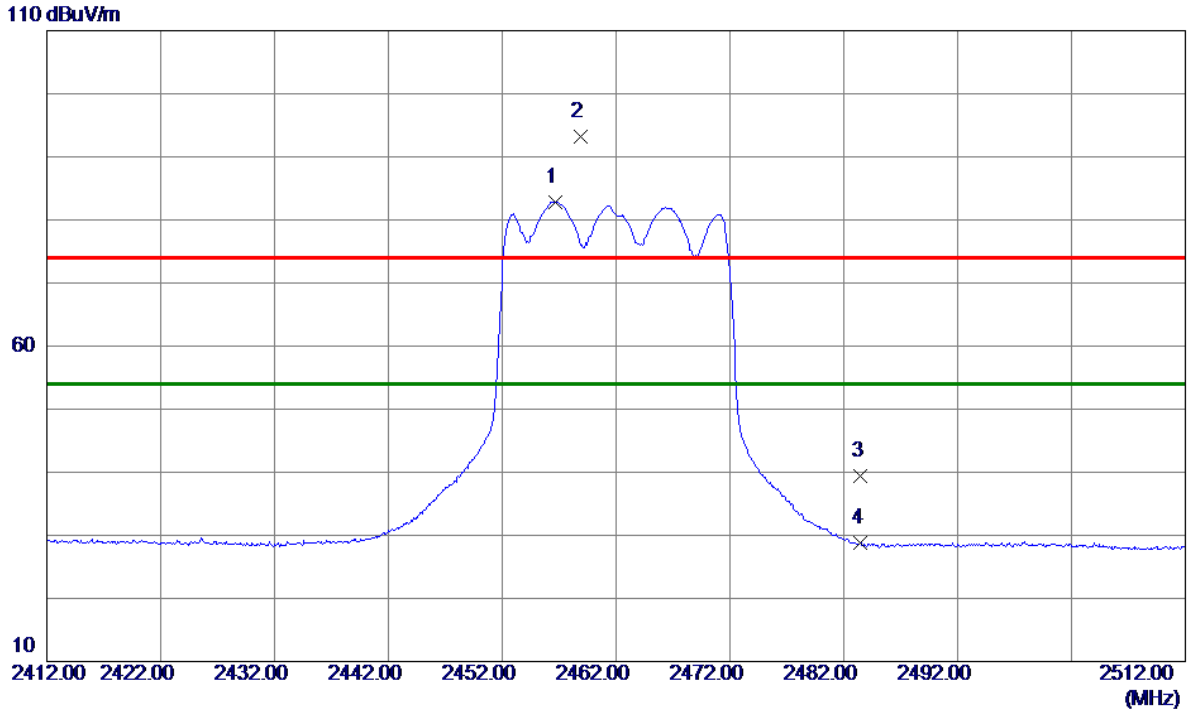


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7293.8750	26.36	6.32	32.68	54.00	-21.32	AVG	
2	7333.8250	35.99	6.40	42.39	74.00	-31.61	Peak	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Horizontal
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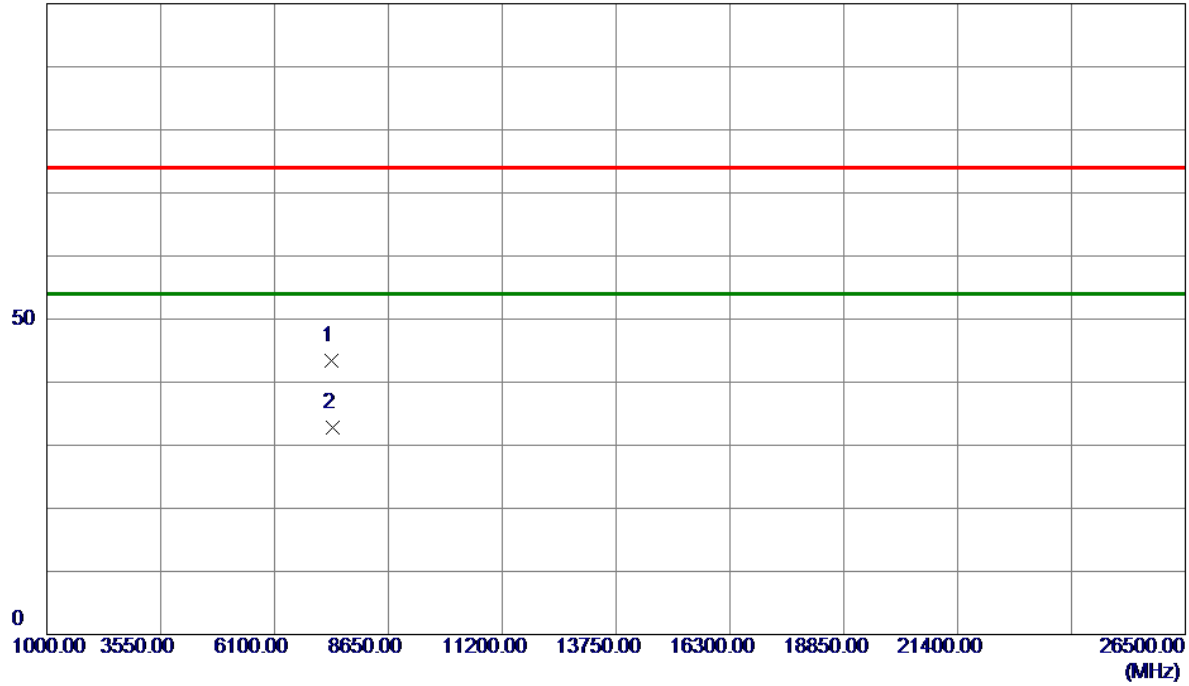
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2456.7000	83.23	-0.38	82.85	54.00	28.85	AVG	
2	2458.8500	93.57	-0.38	93.19	74.00	19.19	Peak	
3	2483.5000	39.75	-0.36	39.39	74.00	-34.61	Peak	
4	2483.5000	29.17	-0.36	28.81	54.00	-25.19	AVG	

**REMARKS:**

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

Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Horizontal
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100 dBuV/m

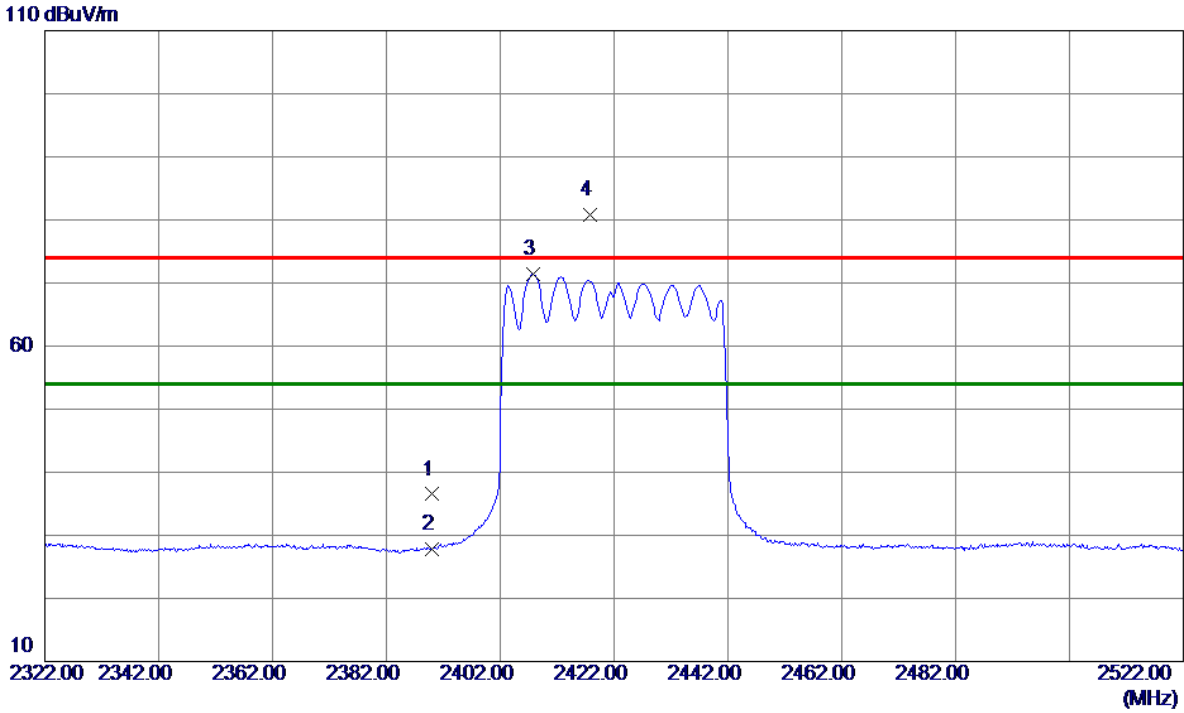


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7372.9750	36.83	6.48	43.31	74.00	-30.69	Peak	
2 *	7390.4250	26.36	6.51	32.87	54.00	-21.13	AVG	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2422 MHz	Polarization	Horizontal
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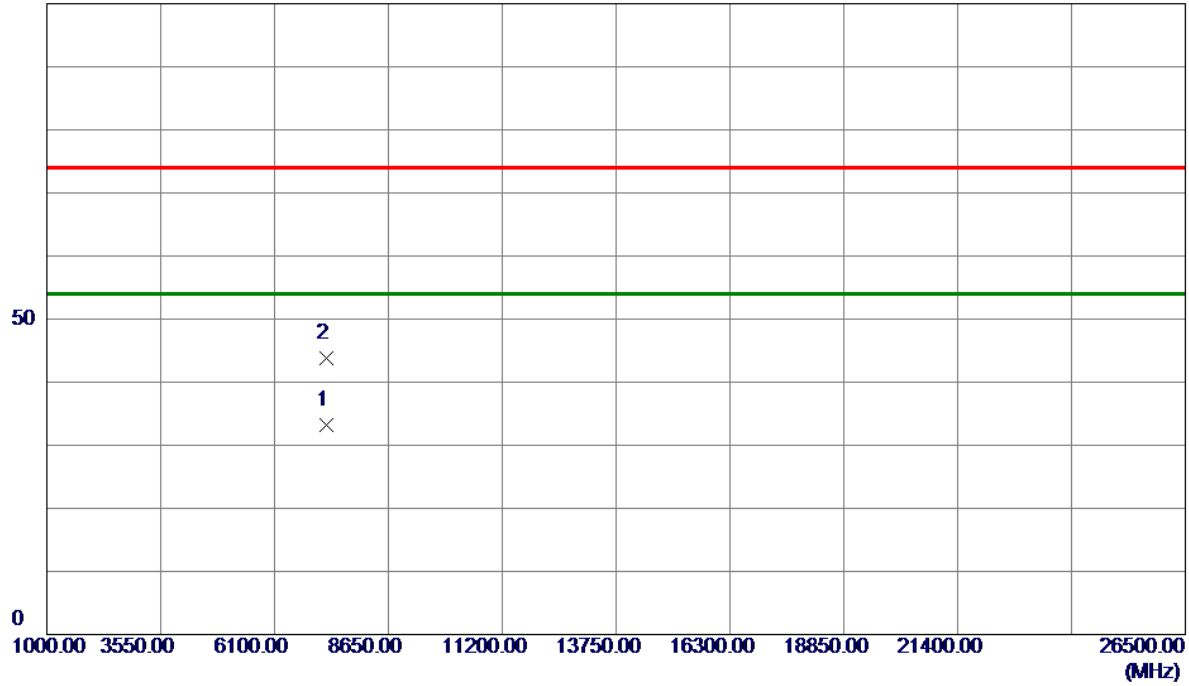
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	36.92	-0.42	36.50	74.00	-37.50	Peak	
2	2390.0000	28.14	-0.42	27.72	54.00	-26.28	AVG	
3 *	2407.7000	71.87	-0.41	71.46	54.00	17.46	AVG	
4	2417.8000	81.25	-0.40	80.85	74.00	6.85	Peak	

**REMARKS:**

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

Test Mode	TX AX(HE40) Mode 2422 MHz	Polarization	Horizontal
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100 dBuV/m



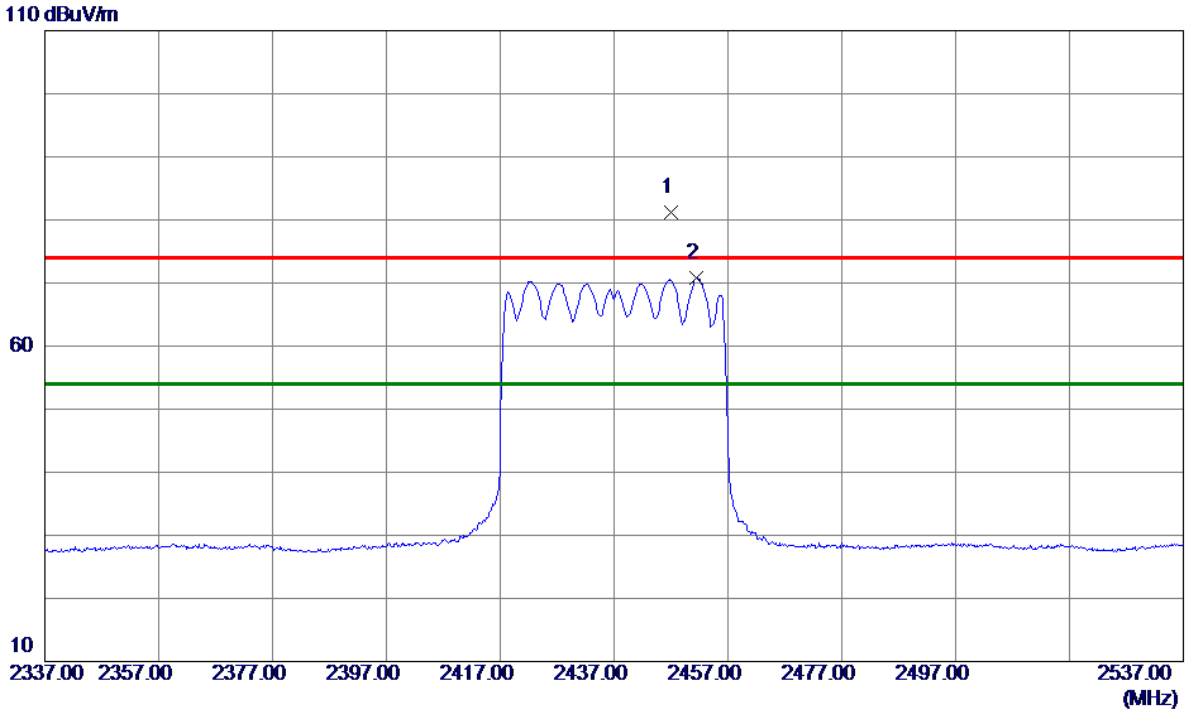
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7255.9750	26.87	6.24	33.11	54.00	-20.89	AVG	
2	7274.0750	37.58	6.28	43.86	74.00	-30.14	Peak	

REMARKS:

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



Test Mode	TX AX(HE40) Mode 2437 MHz	Polarization	Horizontal
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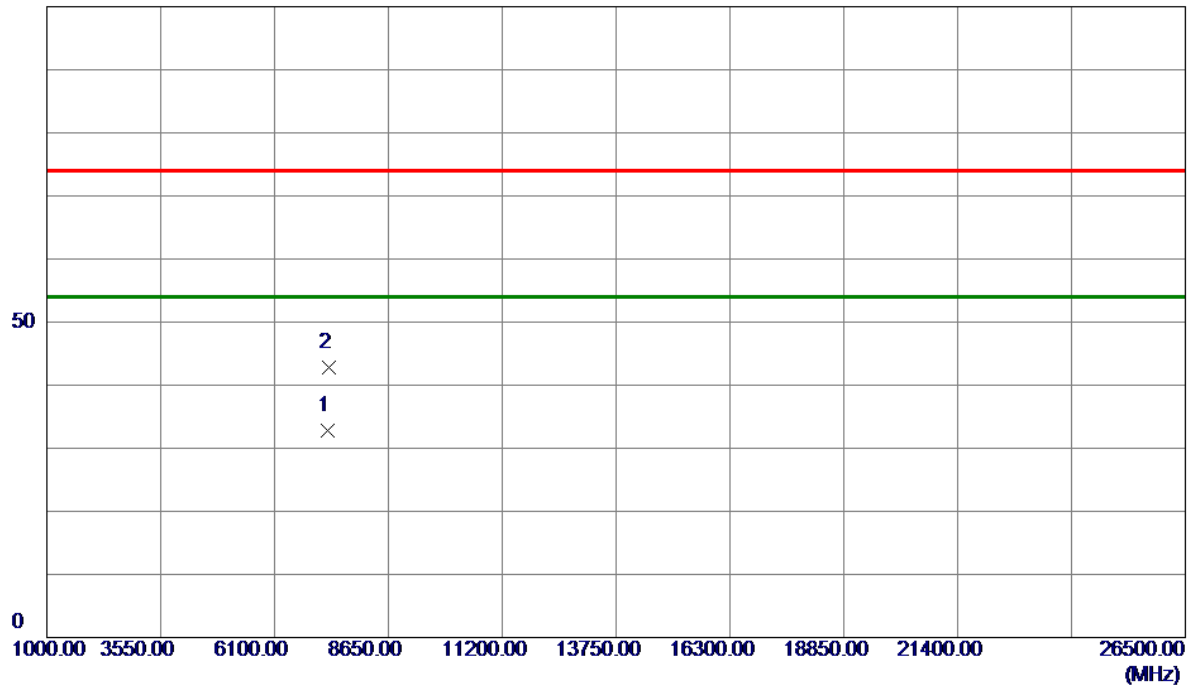
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2447.1000	81.56	-0.39	81.17	74.00	7.17	Peak	
2 *	2451.5000	71.21	-0.38	70.83	54.00	16.83	AVG	

**REMARKS:**

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

Test Mode	TX AX(HE40) Mode 2437 MHz	Polarization	Horizontal
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100 dBuV/m

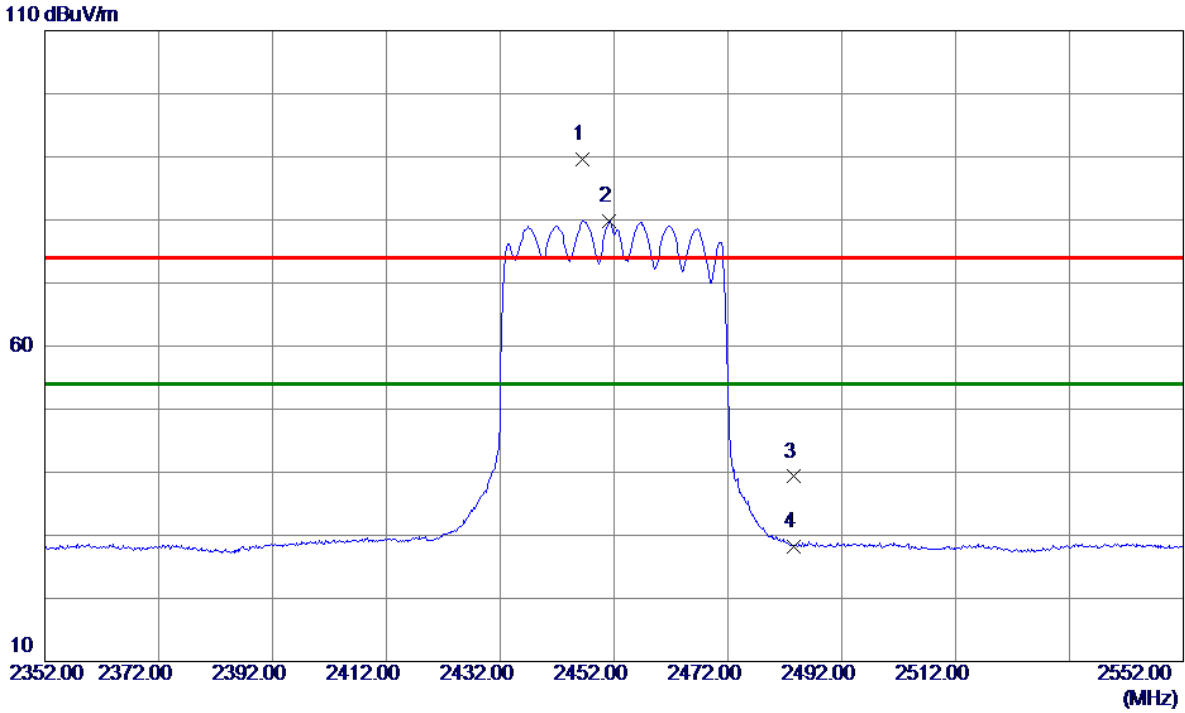


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7292.0000	26.43	6.31	32.74	54.00	-21.26	AVG	
2	7314.9000	36.45	6.36	42.81	74.00	-31.19	Peak	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2452 MHz	Polarization	Horizontal
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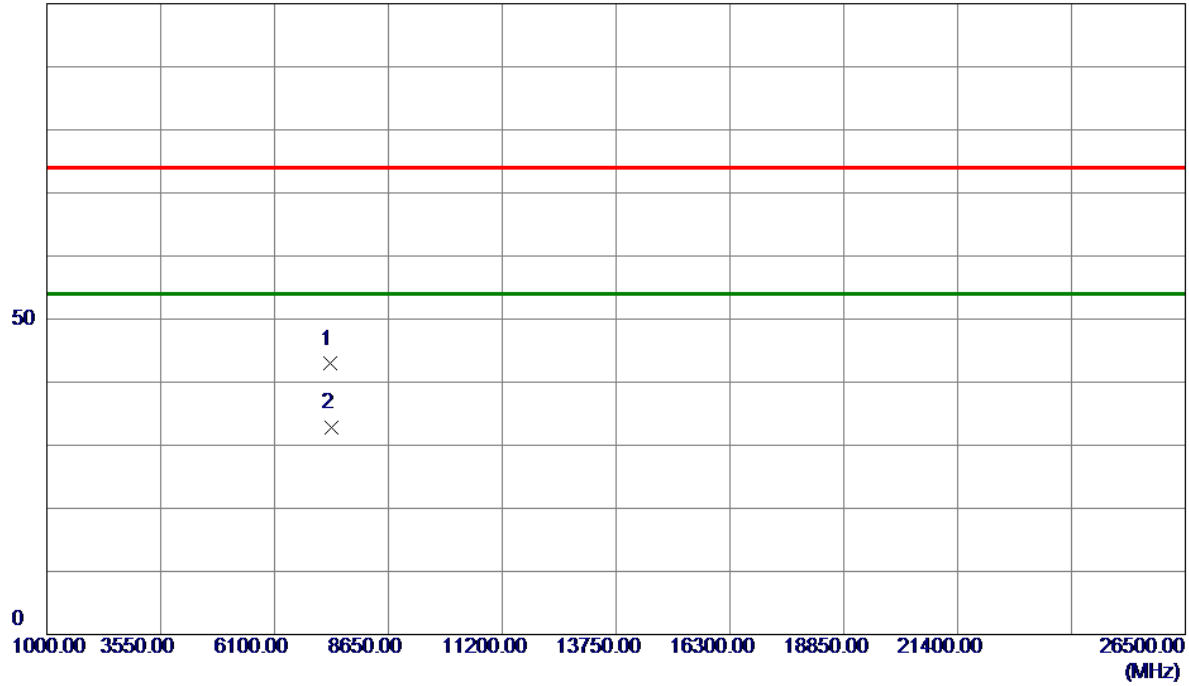
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2446.4000	90.02	-0.39	89.63	74.00	15.63	Peak	
2 *	2451.2000	80.14	-0.38	79.76	54.00	25.76	AVG	
3	2483.5000	39.66	-0.36	39.30	74.00	-34.70	Peak	
4	2483.5000	28.62	-0.36	28.26	54.00	-25.74	AVG	

**REMARKS:**

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

Test Mode	TX AX(HE40) Mode 2452 MHz	Polarization	Horizontal
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100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7352.0250	36.47	6.43	42.90	74.00	-31.10	Peak	
2 *	7365.7750	26.33	6.46	32.79	54.00	-21.21	AVG	

REMARKS:

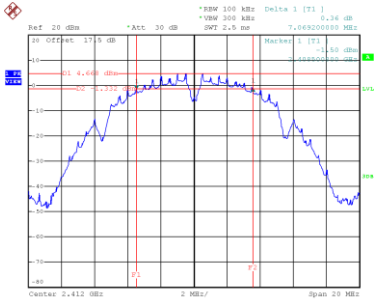
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

## APPENDIX E - BANDWIDTH

Test Mode	TX B Mode
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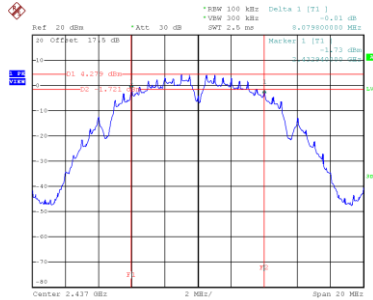
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	7.069	10.320	0.5	Complies
06	2437	8.080	10.400	0.5	Complies
11	2462	7.599	10.400	0.5	Complies

**CH01**



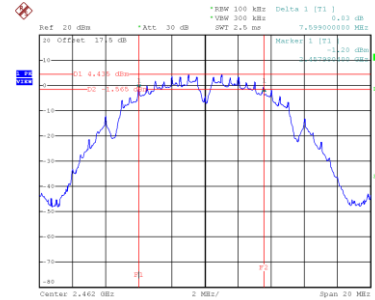
Date: 4.JAN.2024 16:30:08

**CH06**  
6 dB Bandwidth



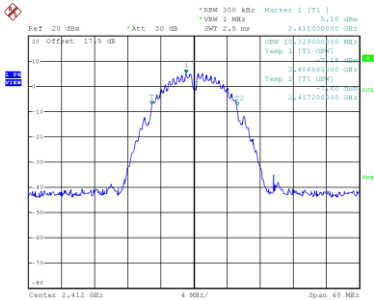
Date: 4.JAN.2024 16:32:39

**CH11**

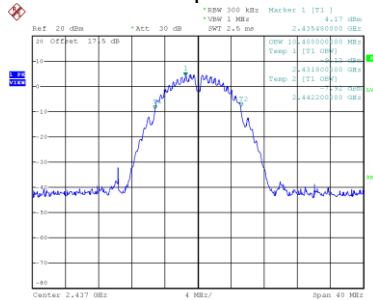


Date: 4.JAN.2024 16:34:39

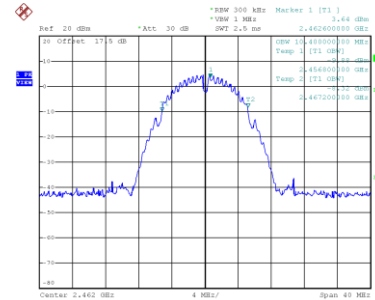
**99 % Occupied Bandwidth**



Date: 4.JAN.2024 16:30:17



Date: 4.JAN.2024 16:32:48

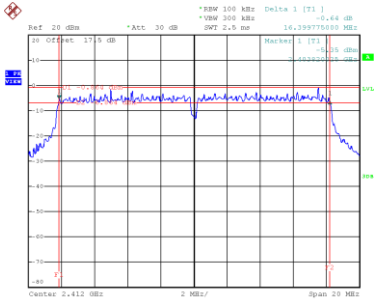


Date: 4.JAN.2024 16:34:48

Test Mode TX G Mode

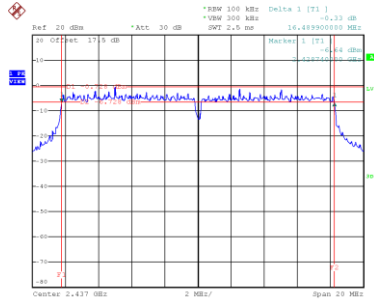
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	16.400	16.960	0.5	Complies
06	2437	16.490	17.200	0.5	Complies
11	2462	16.460	16.880	0.5	Complies

**CH01**



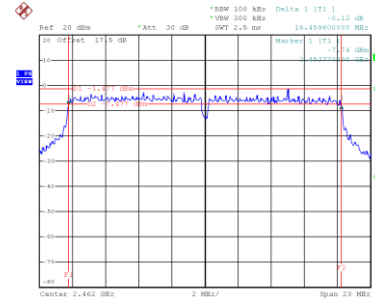
Date: 4.JAN.2024 17:36:53

**CH06**  
6 dB Bandwidth



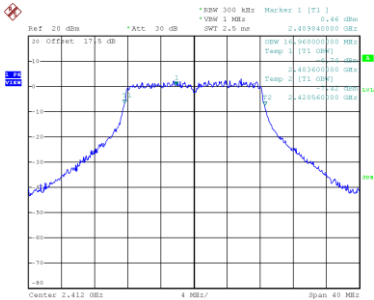
Date: 4.JAN.2024 17:38:45

**CH11**

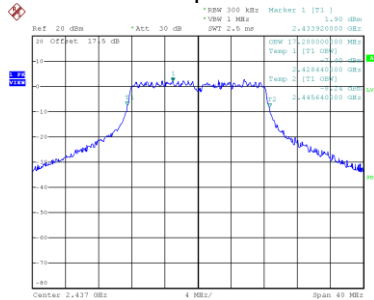


Date: 4.JAN.2024 17:40:22

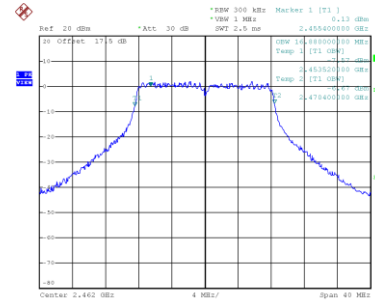
**99 % Occupied Bandwidth**



Date: 4.JAN.2024 17:37:02



Date: 4.JAN.2024 17:38:54

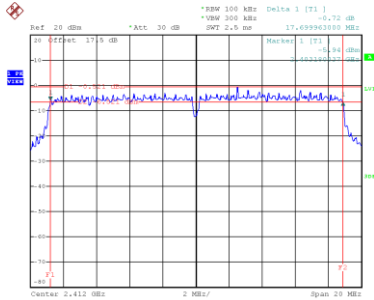


Date: 4.JAN.2024 17:40:31

Test Mode	TX N(HT20) Mode
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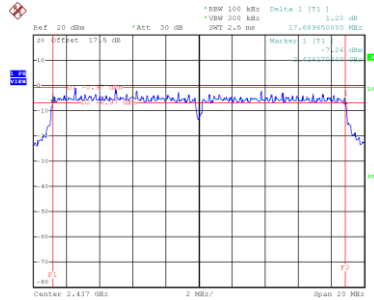
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	17.700	18.080	0.5	Complies
06	2437	17.690	18.480	0.5	Complies
11	2462	17.700	18.080	0.5	Complies

**CH01**



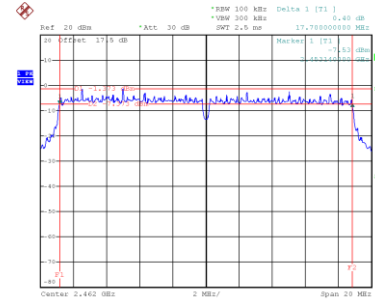
Date: 4.JAN.2024 17:42:46

**CH06**  
6 dB Bandwidth



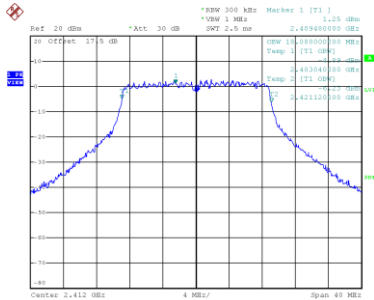
Date: 4.JAN.2024 17:44:33

**CH11**

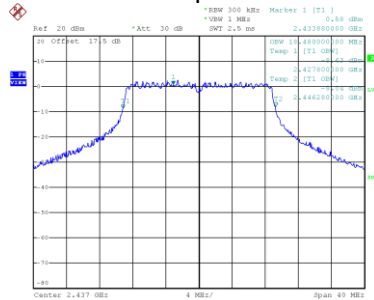


Date: 4.JAN.2024 17:46:35

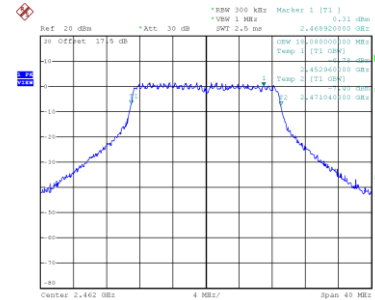
**99 % Occupied Bandwidth**



Date: 4.JAN.2024 17:42:55



Date: 4.JAN.2024 17:44:42



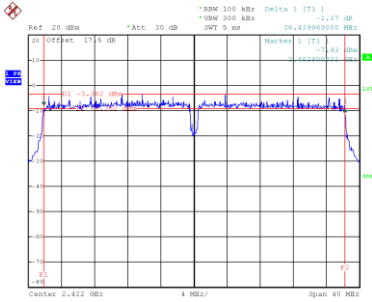
Date: 4.JAN.2024 17:46:44



Test Mode	TX N(HT40) Mode
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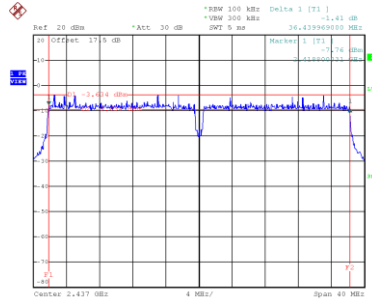
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	36.440	37.120	0.5	Complies
06	2437	36.440	37.920	0.5	Complies
09	2452	36.440	37.120	0.5	Complies

**CH03**



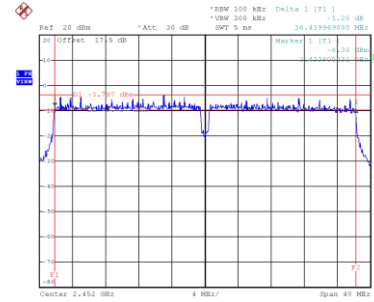
Date: 4.JAN.2024 17:48:48

**CH06**  
6 dB Bandwidth



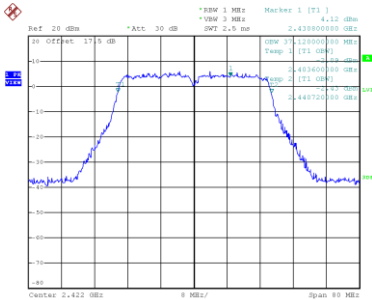
Date: 4.JAN.2024 17:52:19

**CH09**

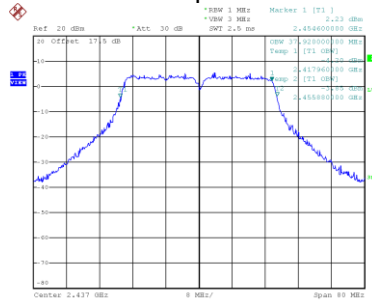


Date: 4.JAN.2024 17:53:59

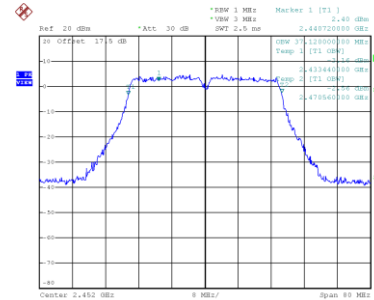
**99 % Occupied Bandwidth**



Date: 4.JAN.2024 17:48:57



Date: 4.JAN.2024 17:52:28

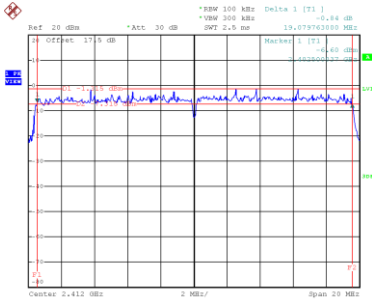


Date: 4.JAN.2024 17:54:08

Test Mode	TX AX(HE20) Mode
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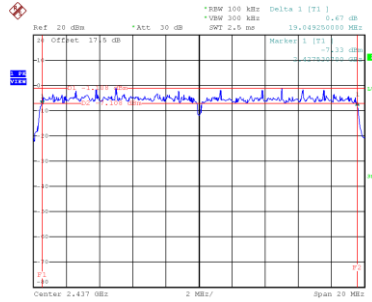
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	19.080	19.360	0.5	Complies
06	2437	19.049	19.520	0.5	Complies
11	2462	19.089	19.280	0.5	Complies

**CH01**



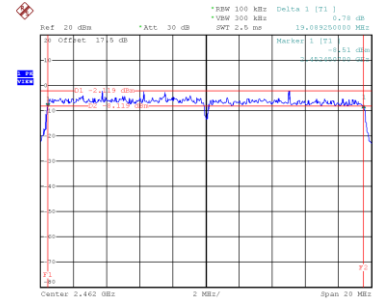
Date: 6.JAN.2024 13:55:43

**CH06**  
6 dB Bandwidth



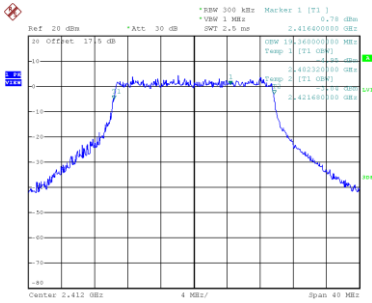
Date: 6.JAN.2024 13:56:28

**CH11**

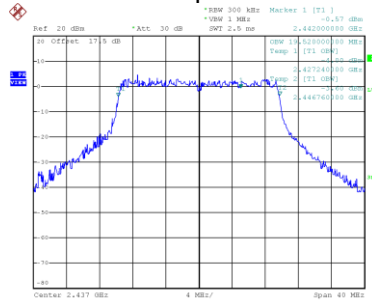


Date: 6.JAN.2024 13:57:13

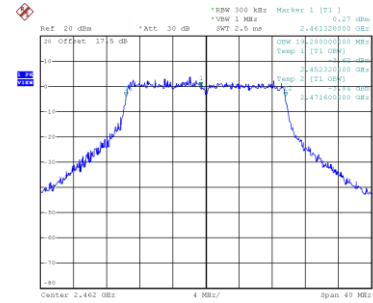
**99 % Occupied Bandwidth**



Date: 6.JAN.2024 13:55:52



Date: 6.JAN.2024 13:56:36

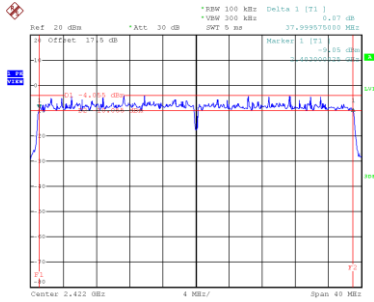


Date: 6.JAN.2024 13:57:22

Test Mode	TX AX(HE40) Mode
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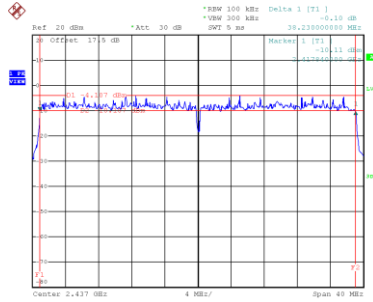
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	38.000	38.400	0.5	Complies
06	2437	38.230	38.720	0.5	Complies
09	2452	38.070	38.400	0.5	Complies

**CH03**



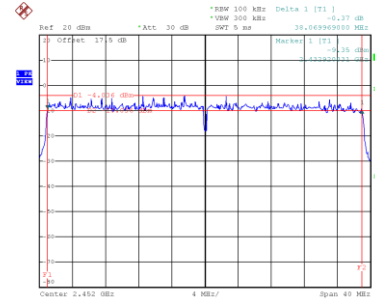
Date: 6.JAN.2024 13:58:04

**CH06**  
6 dB Bandwidth



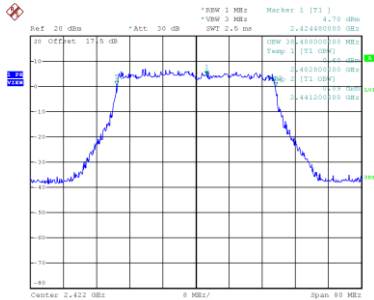
Date: 6.JAN.2024 13:58:59

**CH09**

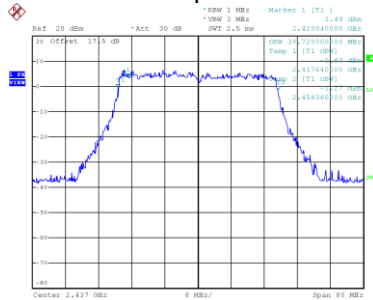


Date: 6.JAN.2024 14:00:00

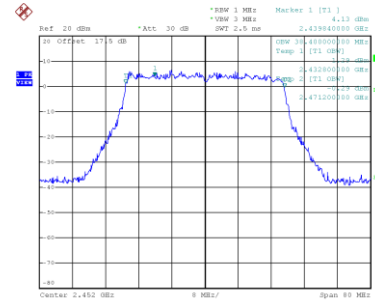
**99 % Occupied Bandwidth**



Date: 6.JAN.2024 13:58:13



Date: 6.JAN.2024 13:59:08



Date: 6.JAN.2024 14:00:09

## APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	TX B Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	11.97	0.00	11.97	27.35	0.5433	Complies
06	2437	12.21	0.00	12.21	27.35	0.5433	Complies
11	2462	12.05	0.00	12.05	27.35	0.5433	Complies

Test Mode	TX G Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	11.18	0.00	11.18	27.35	0.5433	Complies
06	2437	11.13	0.00	11.13	27.35	0.5433	Complies
11	2462	11.17	0.00	11.17	27.35	0.5433	Complies

Test Mode	TX G Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	12.29	0.00	12.29	27.35	0.5433	Complies
06	2437	12.19	0.00	12.19	27.35	0.5433	Complies
11	2462	12.22	0.00	12.22	27.35	0.5433	Complies

Test Mode	TX G Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.78	27.35	0.5433	Complies
06	2437	14.70	27.35	0.5433	Complies
11	2462	14.74	27.35	0.5433	Complies

Test Mode	TX N(HT20) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	11.16	0.00	11.16	27.35	0.5433	Complies
06	2437	11.09	0.00	11.09	27.35	0.5433	Complies
11	2462	11.19	0.00	11.19	27.35	0.5433	Complies

Test Mode	TX N(HT20) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	12.33	0.00	12.33	27.35	0.5433	Complies
06	2437	12.31	0.00	12.31	27.35	0.5433	Complies
11	2462	12.24	0.00	12.24	27.35	0.5433	Complies

Test Mode	TX N(HT20) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.79	27.35	0.5433	Complies
06	2437	14.75	27.35	0.5433	Complies
11	2462	14.76	27.35	0.5433	Complies

Test Mode	TX N(HT40) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	11.38	0.00	11.38	27.35	0.5433	Complies
06	2437	11.42	0.00	11.42	27.35	0.5433	Complies
09	2452	11.11	0.00	11.11	27.35	0.5433	Complies

Test Mode	TX N(HT40) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	12.42	0.00	12.42	27.35	0.5433	Complies
06	2437	12.37	0.00	12.37	27.35	0.5433	Complies
09	2452	12.18	0.00	12.18	27.35	0.5433	Complies

Test Mode	TX N(HT40) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	14.94	27.35	0.5433	Complies
06	2437	14.93	27.35	0.5433	Complies
09	2452	14.69	27.35	0.5433	Complies

Test Mode	TX AX(HE20) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	11.05	0.00	11.05	27.35	0.5433	Complies
06	2437	10.93	0.00	10.93	27.35	0.5433	Complies
11	2462	11.09	0.00	11.09	27.35	0.5433	Complies

Test Mode	TX AX(HE20) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	12.29	0.00	12.29	27.35	0.5433	Complies
06	2437	12.24	0.00	12.24	27.35	0.5433	Complies
11	2462	12.26	0.00	12.26	27.35	0.5433	Complies

Test Mode	TX AX(HE20) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.72	27.35	0.5433	Complies
06	2437	14.64	27.35	0.5433	Complies
11	2462	14.72	27.35	0.5433	Complies



Test Mode	TX AX(HE40) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	11.37	0.00	11.37	27.35	0.5433	Complies
06	2437	11.17	0.00	11.17	27.35	0.5433	Complies
09	2452	11.05	0.00	11.05	27.35	0.5433	Complies

Test Mode	TX AX(HE40) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	12.35	0.00	12.35	27.35	0.5433	Complies
06	2437	12.17	0.00	12.17	27.35	0.5433	Complies
09	2452	12.08	0.00	12.08	27.35	0.5433	Complies

Test Mode	TX AX(HE40) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	14.90	27.35	0.5433	Complies
06	2437	14.71	27.35	0.5433	Complies
09	2452	14.61	27.35	0.5433	Complies

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