



FCC Radio Test Report

FCC ID: 2ADUTLGPAU0F

This report concerns: Original Grant

Project No. : 2401C089
Equipment : AXE3000 WIFI 6E USB ADAPTER WITH DUAL ANTENNAS
Brand Name : Panda Wireless
Test Model : PAU0F
Series Model : IGU0F
Applicant : Panda Wireless, Inc.
Address : 15559 Union Ave., Suite 300, Los Gatos , CA95032, USA
Manufacturer : Panda Wireless, Inc.
Address : 15559 Union Ave., Suite 300, Los Gatos , CA95032, USA
Factory : Panda Wireless, Inc.
Address : 15559 Union Ave., Suite 300, Los Gatos , CA95032, USA
Date of Receipt : Jan. 08, 2024
Date of Test : Jan. 10, 2024 ~ Mar. 07, 2024
Issued Date : Apr. 08, 2024
Report Version : R00
Test Sample : Engineering Sample No.: SSL20240108195 for conducted, SSL20240108194 for AC power line conducted emissions and radiated emissions.
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.

Table of Contents	Page
REPORT ISSUED HISTORY	6
1 . APPLICABLE STANDARDS	7
2 . SUMMARY OF TEST RESULTS	7
2.1 TEST FACILITY	8
2.2 MEASUREMENT UNCERTAINTY	8
2.3 TEST ENVIRONMENT CONDITIONS	9
3 . GENERAL INFORMATION	10
3.1 GENERAL DESCRIPTION OF EUT	10
3.2 DESCRIPTION OF TEST MODES	12
3.3 PARAMETERS OF TEST SOFTWARE	13
3.4 DUTY CYCLE	14
3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	16
3.6 SUPPORT UNITS	16
3.7 CUSTOMER INFORMATION DESCRIPTION	16
4 . AC POWER LINE CONDUCTED EMISSIONS	17
4.1 LIMIT	17
4.2 TEST PROCEDURE	17
4.3 DEVIATION FROM TEST STANDARD	17
4.4 TEST SETUP	18
4.5 EUT OPERATION CONDITIONS	18
4.6 TEST RESULTS	18
5 . RADIATED EMISSIONS	19
5.1 LIMIT	19
5.2 TEST PROCEDURE	20
5.3 DEVIATION FROM TEST STANDARD	21
5.4 TEST SETUP	21
5.5 EUT OPERATION CONDITIONS	23
5.6 TEST RESULTS - 9 KHZ TO 30 MHZ	23
5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ	23
5.8 TEST RESULTS - ABOVE 1000 MHZ	23
6 . BANDWIDTH	24
6.1 LIMIT	24
6.2 TEST PROCEDURE	24

Table of Contents	Page
6.3 DEVIATION FROM STANDARD	24
6.4 TEST SETUP	24
6.5 EUT OPERATION CONDITIONS	24
6.6 TEST RESULTS	24
7 . MAXIMUM OUTPUT POWER	25
7.1 LIMIT	25
7.2 TEST PROCEDURE	25
7.3 DEVIATION FROM STANDARD	25
7.4 TEST SETUP	25
7.5 EUT OPERATION CONDITIONS	25
7.6 TEST RESULTS	25
8 . CONDUCTED SPURIOUS EMISSIONS	26
8.1 LIMIT	26
8.2 TEST PROCEDURE	26
8.3 DEVIATION FROM STANDARD	26
8.4 TEST SETUP	26
8.5 EUT OPERATION CONDITIONS	26
8.6 TEST RESULTS	26
9 . POWER SPECTRAL DENSITY	27
9.1 LIMIT	27
9.2 TEST PROCEDURE	27
9.3 DEVIATION FROM STANDARD	27
9.4 TEST SETUP	27
9.5 EUT OPERATION CONDITIONS	27
9.6 TEST RESULTS	27
10 . MEASUREMENT INSTRUMENTS LIST	28
11 . EUT TEST PHOTO	30
APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS	38
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ	41
APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ	46
APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ	49
APPENDIX E - BANDWIDTH	88
APPENDIX F - MAXIMUM OUTPUT POWER	95

Table of Contents**Page****APPENDIX G - CONDUCTED SPURIOUS EMISSIONS****102****APPENDIX H - POWER SPECTRAL DENSITY****115**

REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2401C089	R00	Original Report.	Apr. 08, 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 conducted test: 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, radiated emissions and power test: 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	3.8 %
Maximum Output Power	1.3 dB
Conducted Spurious Emission	2.71 dB
Power Spectral Density	0.86 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	Tested Date
AC Power Line Conducted Emissions	23°C	48%	AC 120V/60Hz	Hayden Chen	Jan. 18, 2024
Radiated Emissions-9kHz to 30 MHz	22°C	51%	DC 5V	Hayden Chen	Jan. 23, 2024
Radiated Emissions-30MHz to 1000MHz	23°C	45%	DC 5V	Jensen Zhou	Feb. 01, 2024
Radiated Emissions-Above 1000MHz	22-24°C	42-45%	DC 5V	Jensen Zhou	Jan. 30, 2024- Jan. 31, 2024
Bandwidth	22-23°C	49-51%	DC 5V	Tember Zhuang	Jan. 31, 2024- Feb. 05, 2024
Maximum Output Power	21°C	55%	DC 5V	Complex Qin	Mar. 07, 2024
Conducted Spurious Emissions	22-23°C	49-51%	DC 5V	Tember Zhuang	Jan. 31, 2024- Feb. 05, 2024
Power Spectral Density	22-23°C	49-51%	DC 5V	Tember Zhuang	Jan. 31, 2024- Feb. 05, 2024

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	AXE3000 WIFI 6E USB ADAPTER WITH DUAL ANTENNAS
Brand Name	Panda Wireless
Test Model	PAU0F
Series Model	IGU0F
Model Difference(s)	Only the model name is different, the product is the same.
Software Version	V1.0
Hardware Version	V1.0
Power Source	Supplied from PC USB port.
Power Rating	DC 5V
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 802.11g: 16.88 dBm (0.0488 W)

Note:

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

2. Channel List:

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

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	IPEX	2.8
2	N/A	N/A	PCB	IPEX	2.8

Note:

This EUT supports CDD, and all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$.

For power measurements, $\text{Array Gain} = 0\text{dB}$ ($N_{ANT} \leq 4$), so the Directional gain = 2.8.

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

So the Directional gain = $G_{ANT} + \text{Array Gain} = G_{ANT} + 10\log(N_{ANT}/N_{SS})\text{dBi} = 2.8 + 10\log(2/1)\text{dBi} = 5.81$.

4. Table for Antenna Configuration:

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

3.2 DESCRIPTION OF TEST MODES

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

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

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

AC power line conducted emissions test	
Final Test Mode	Description
Mode 7	TX G Mode Channel 06

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 7	TX G Mode Channel 06

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

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

NOTE:

- (1) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (2) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX G Mode Channel 06 is found to be the worst case and recorded.
- (3) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (4) For radiated emission Harmonic 18-26.5GHz test, only tested the worst case and recorded.
- (5) For radiated emission above 1 GHz test, the polarization of Vertical and Hoizontal are evaluated, the worst case is Vertical and recorded.
- (6) IEEE 802.11ax mode only supports full RU, so only the full RU is evaluated and measured inside report.

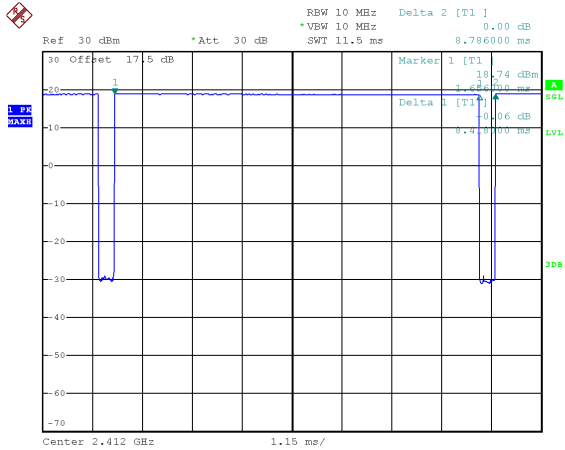
3.3 PARAMETERS OF TEST SOFTWARE

Test Software Version	QATool_Dbg 0.0.2.39		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	7.5	7.5	7.5
IEEE 802.11g	9.5	9.5	9.5
IEEE 802.11n(HT20)	9.5	9.5	9
IEEE 802.11ax(HE20)	9.5	9	8.5
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	10.5	9.5	9.5
IEEE 802.11ax(HE40)	10	9.5	9.5

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.

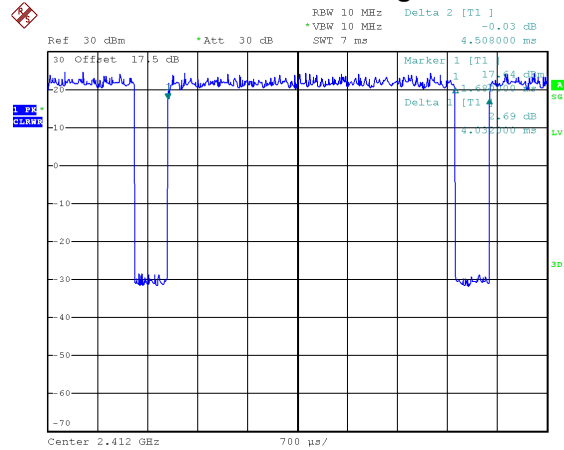
IEEE 802.11b



Date: 31.JAN.2024 09:12:51

Duty cycle = 8.418 ms / 8.786 ms = 95.81%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.19$

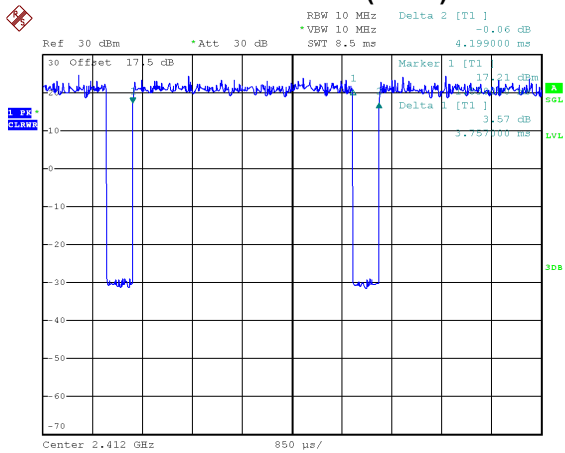
IEEE 802.11g



Date: 31.JAN.2024 09:15:40

Duty cycle = 4.032 ms / 4.508 ms = 89.44%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.48$

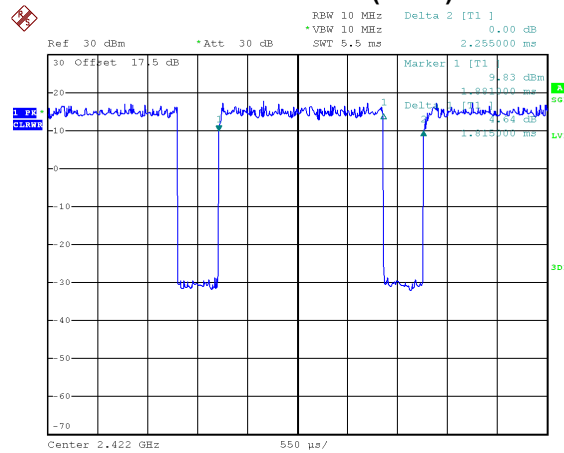
IEEE 802.11n(HT20)



Date: 31.JAN.2024 09:16:14

Duty cycle = 3.757 ms / 4.199 ms = 89.47%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.48$

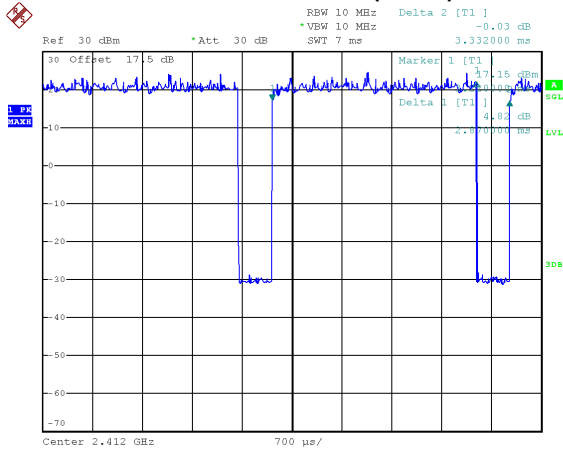
IEEE 802.11n(HT40)



Date: 31.JAN.2024 09:16:49

Duty cycle = 1.815 ms / 2.255 ms = 80.49%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.94$

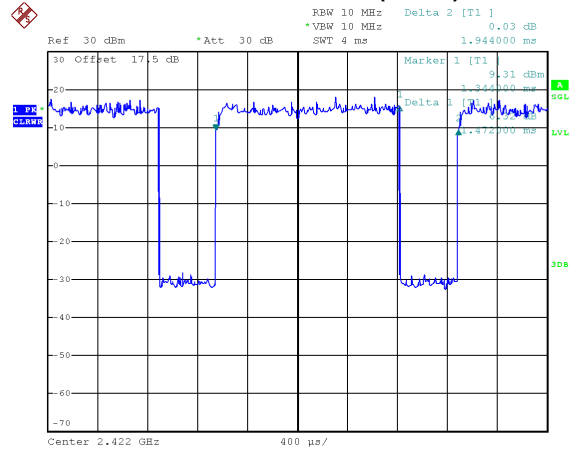
IEEE 802.11ax(HE20)



Date: 31.JAN.2024 09:19:21

Duty cycle = $2.870 \text{ ms} / 3.332 \text{ ms} = 86.13\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.65$

IEEE 802.11ax(HE40)



Date: 31.JAN.2024 09:20:02

Duty cycle = $1.472 \text{ ms} / 1.944 \text{ ms} = 75.72\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 1.21$

NOTE:

For IEEE 802.11b:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 119 Hz.

For IEEE 802.11g:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 248 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 266 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 551 Hz.

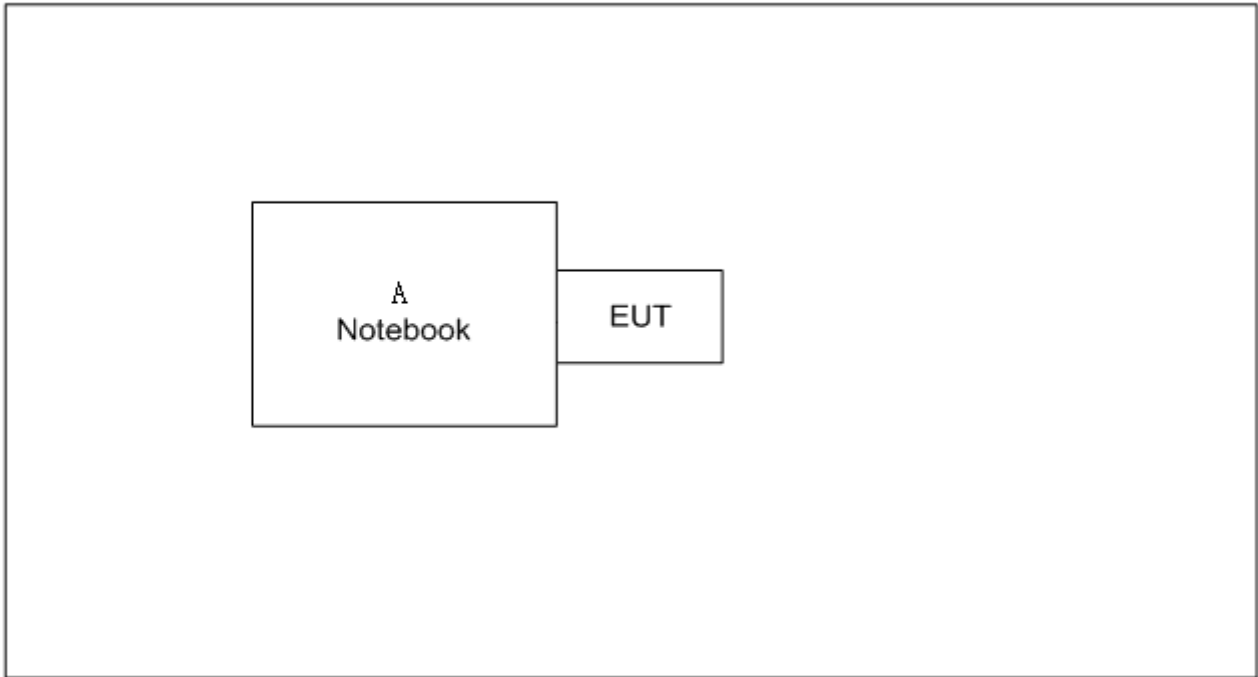
For IEEE 802.11ax(HE20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 348 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 679 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	Nbl-WAQ9HNRP	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
-	-	-	-	-

3.7 CUSTOMER INFORMATION DESCRIPTION

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

4. AC POWER LINE CONDUCTED EMISSIONS

4.1 LIMIT

Frequency of Emission (MHz)	Limit (dB μ 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.

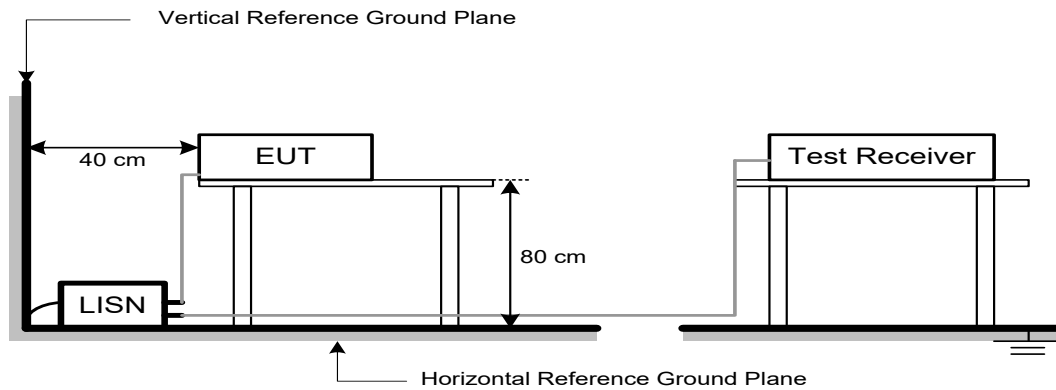
The following table is the setting of the receiver:

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)	Band edge / Harmonic at 3m (dB μ V/m)		Harmonic at 1m (dB μ V/m)	
	Peak	Average	Peak	Average
Above 1000	74	54	83.5 (Note 5)	63.5 (Note 5)

NOTE:

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

(5)

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

$$20 \log (d_{\text{limit}}/d_{\text{measure}}) = 20 \log (3/1) = 9.5 \text{ dB.}$$

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

The following table is the setting of the receiver:

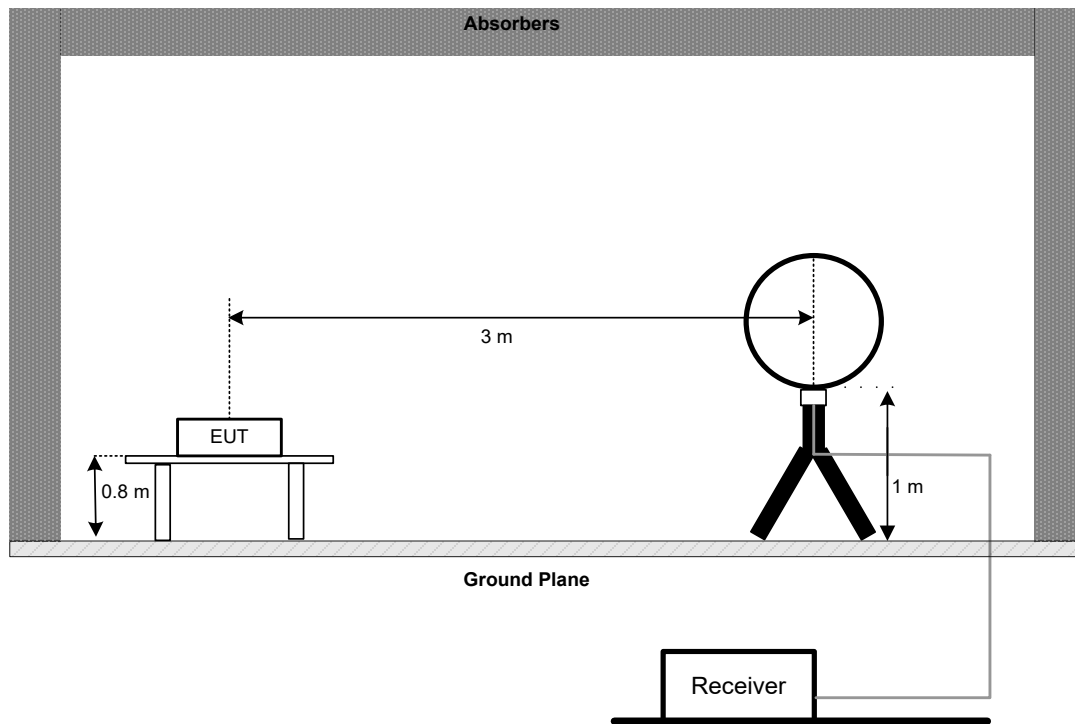
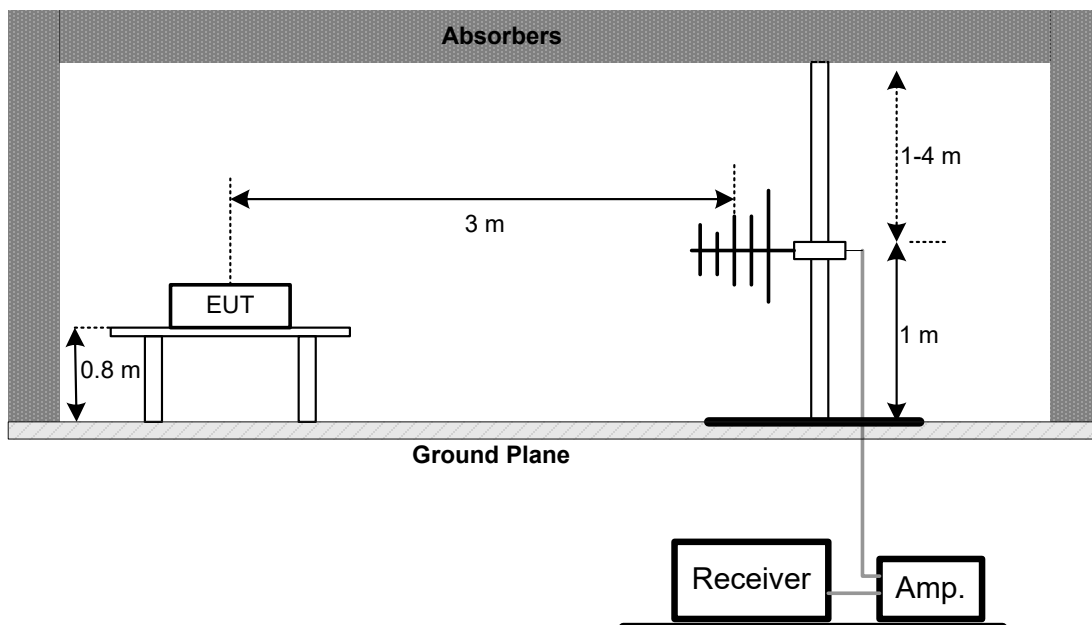
Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

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

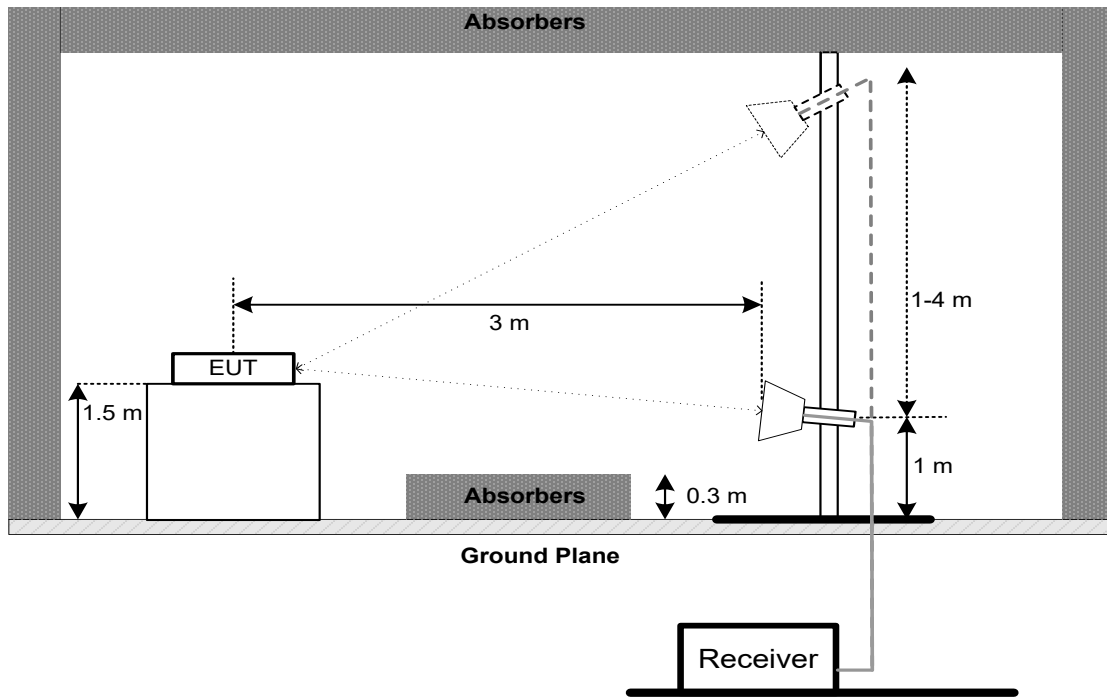
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

5.3 DEVIATION FROM TEST STANDARD

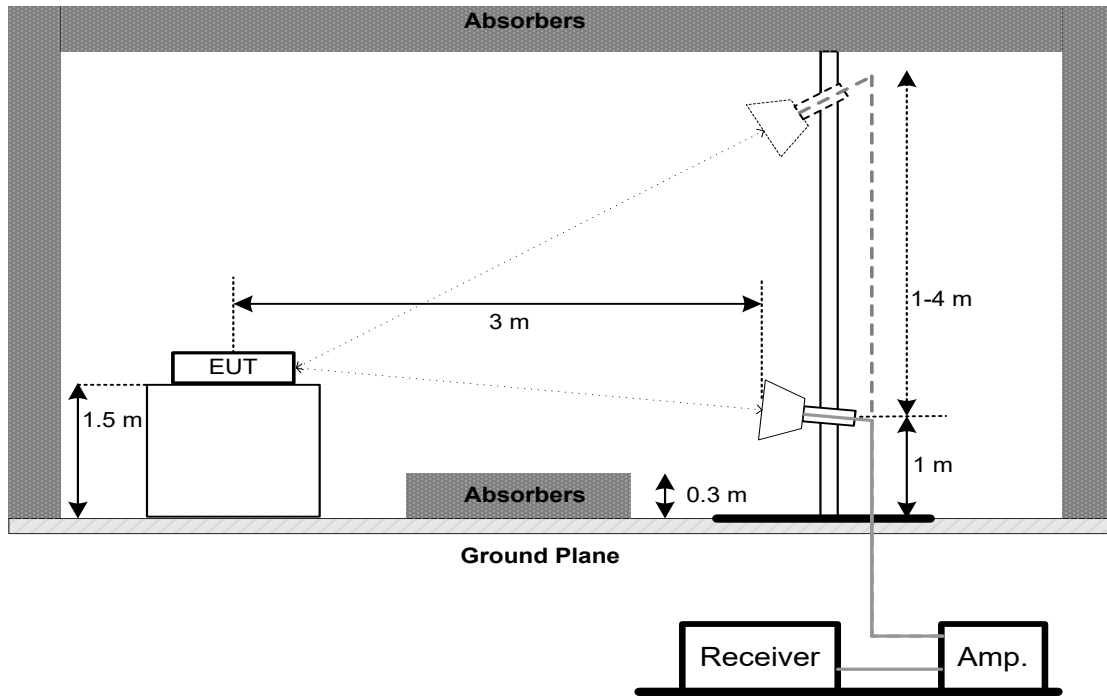
No deviation.

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

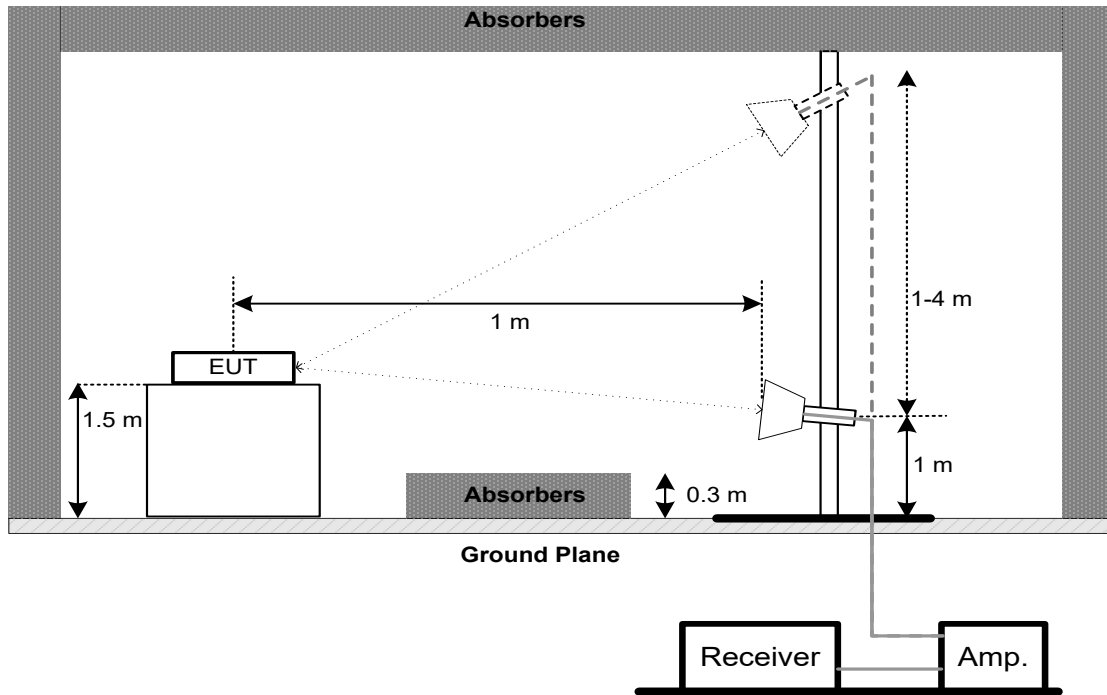
Above 1 GHz Band edge



Harmonic (1 GHz to 18 GHz)



Harmonic (18 GHz to 26.5 GHz)



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

Remark:

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

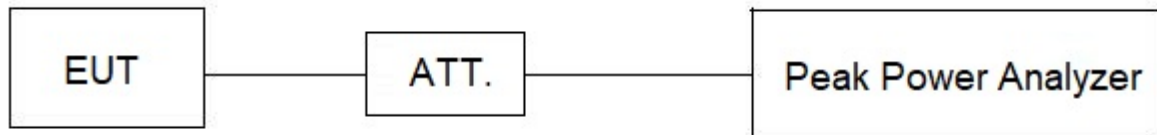
7.2 TEST PROCEDURE

- 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

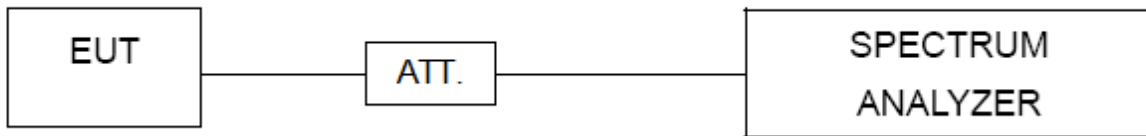
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

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	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 1513-60B	1513-60 B-034	Apr. 01, 2024
2	MXE EMI Receiver	Keysight	N9038A	MY56400091	Dec. 22, 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	1462	Dec. 13, 2024
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06009	Dec. 13, 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

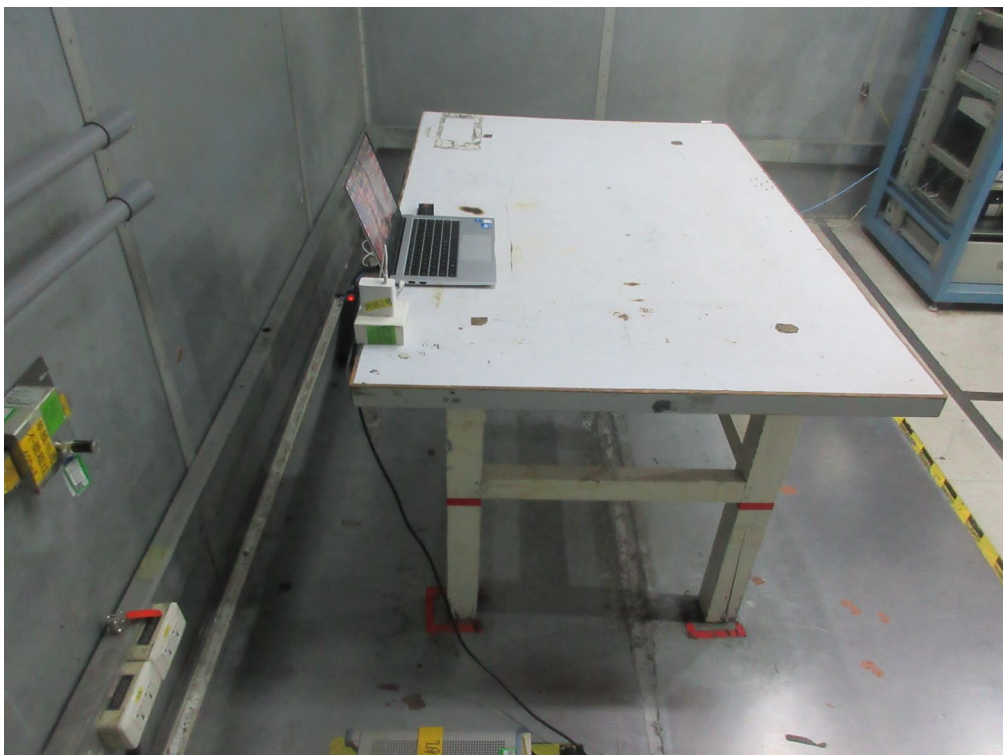
Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Receiver	Agilent	N9038A	MY52130039	Dec. 22, 2024
2	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980888	Nov. 17, 2024
3	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	Jun. 16, 2024
4	Double Ridged Guide Antenna	ETS	3115	75789	May 31, 2024
5	Cable	RegalWay	RWLP50-4.0A-SMSM-9M	N/A	Jan. 22, 2025
6	Cable	RegalWay	RWLP50-2.6A-3.5M2.92MR A-3M	N/A	Jan. 22, 2025
7	Cable	RegalWay	RWLP50-4.0A-NMRASM-2.5M	N/A	Aug. 08, 2024
8	Cable	RegalWay	RWLP50-4.0A-NMRASMR A-0.8M	N/A	Aug. 08, 2024
9	Low Noise Amplifier	CONNPHY	CLN-18G40G-4330-K	619413	Jul. 06, 2024
10	Cable	RegalWay	RWLP50-2.6A-2.92M2.92M -1.1M	N/A	Jul. 26, 2024
11	Cable	Tonscend	HF160-KMKM-3M	N/A	Jul. 26, 2024
12	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170(3m)	9170-319	Jun. 20, 2024
13	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
14	Filter	STI	STI15-9912	N/A	Jun. 16, 2024
15	Positioning Controller	MF	MF-7802	N/A	N/A
16	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
17	966 Chamber room	CM	9*6*6	N/A	May 17, 2024

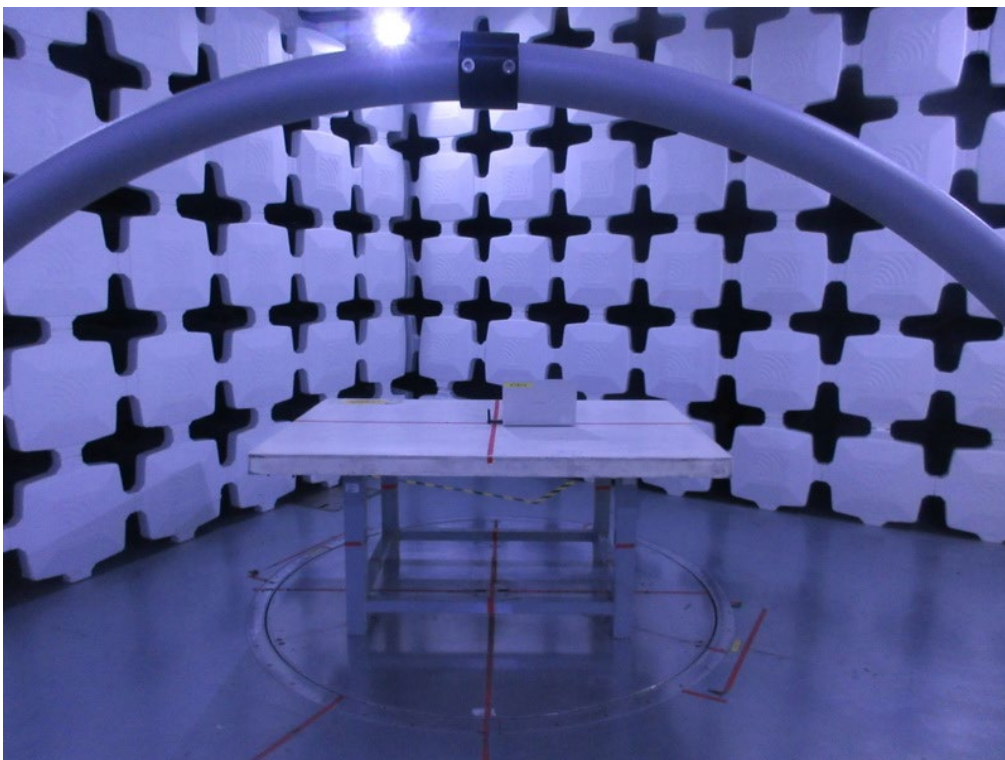
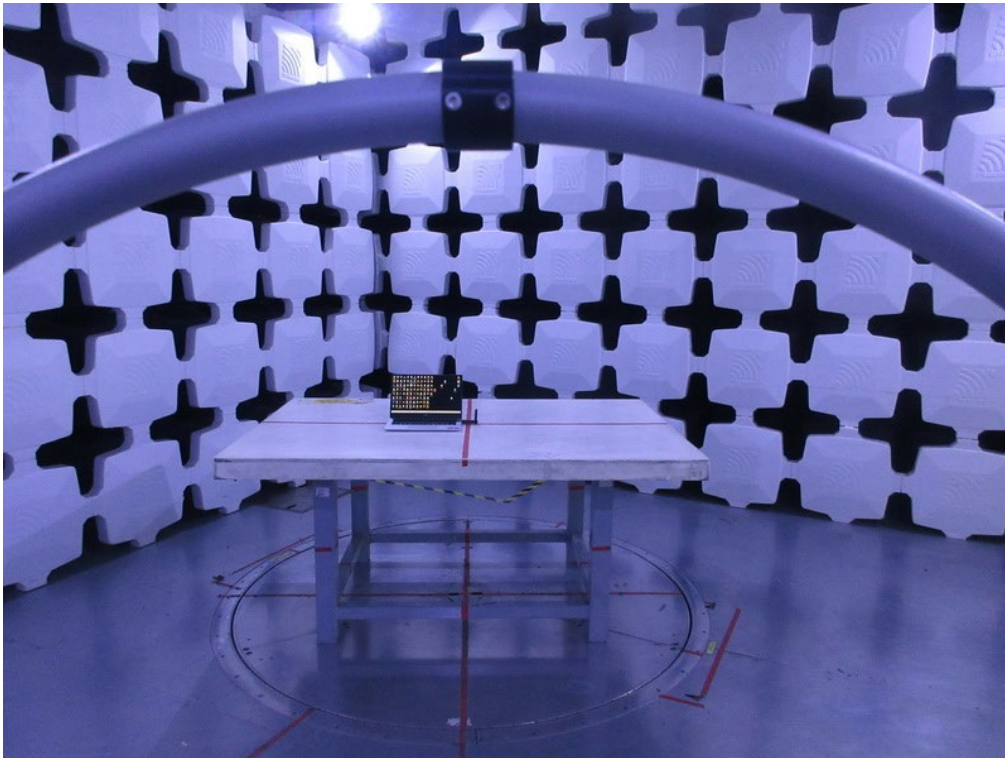
Bandwidth & Conducted Spurious Emissions & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP38	100852	Jun. 16, 2024
2	Attenuator	RegalWay	RWA-201-S-10	N/A	Sep. 26, 2024
3	DC Block	N/A	N/A	N/A	N/A
4	Measurement Software	BTL	BTL Conducted Test	N/A	N/A
5	Attenuator	RegalWay	RWA-201-S-6	N/A	Sep. 26, 2024

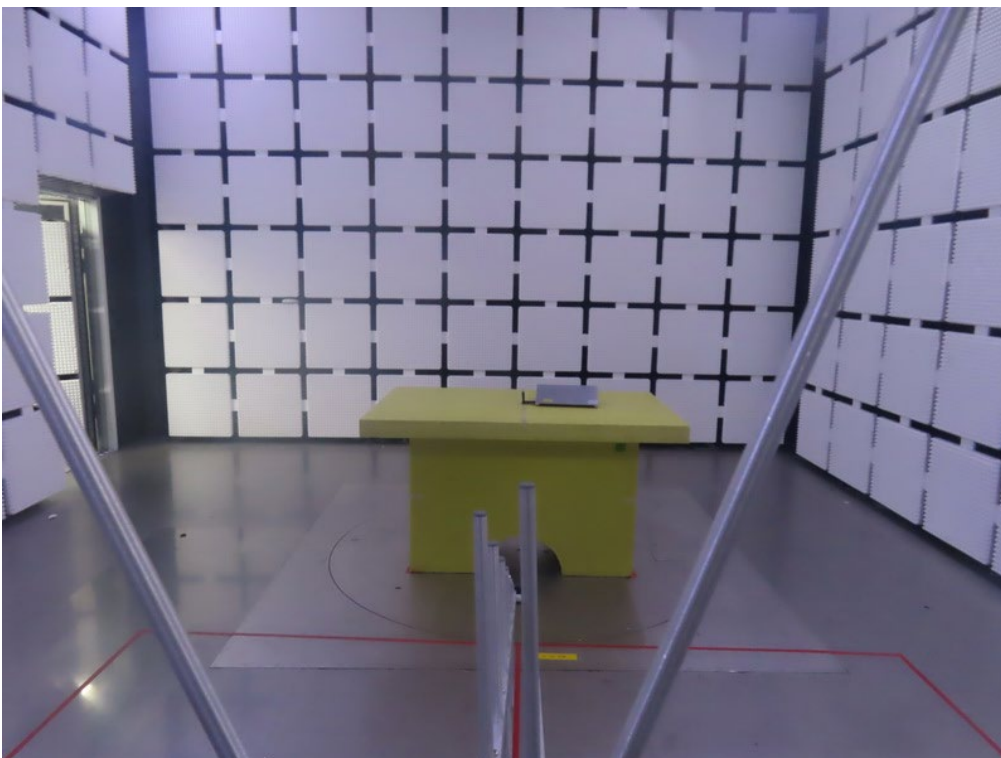
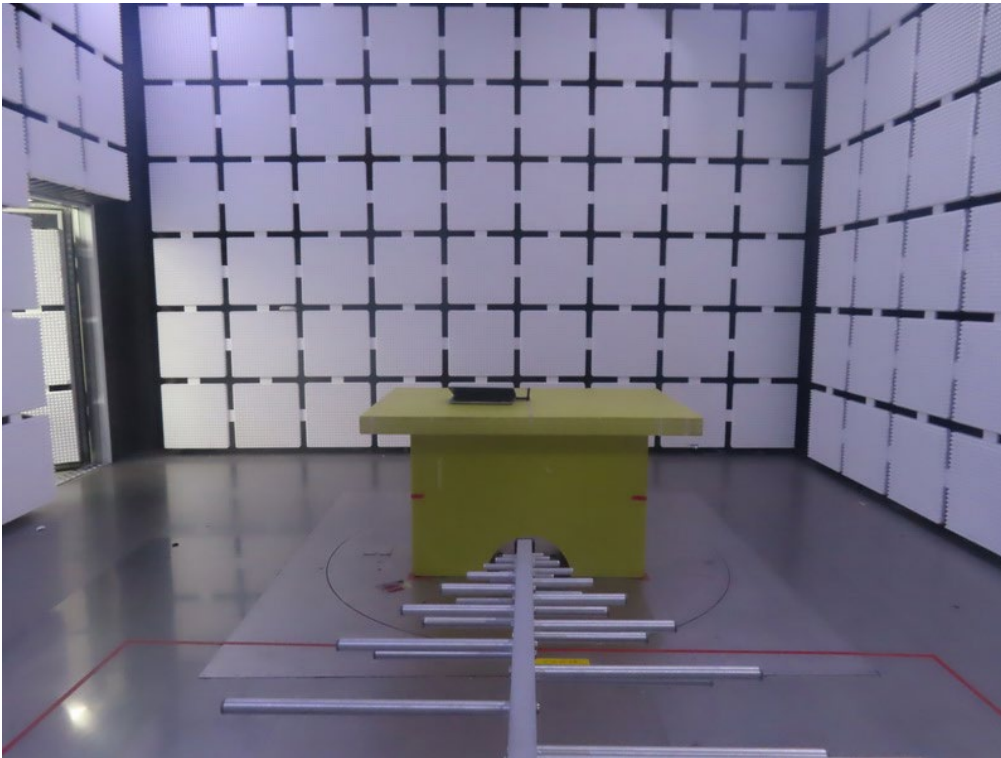
Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Jun. 17, 2024
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jun. 17, 2024
3	Talent Microwave	TA10A2-S-18	N/A	N/A	N/A

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

All calibration period of equipment list is one year.

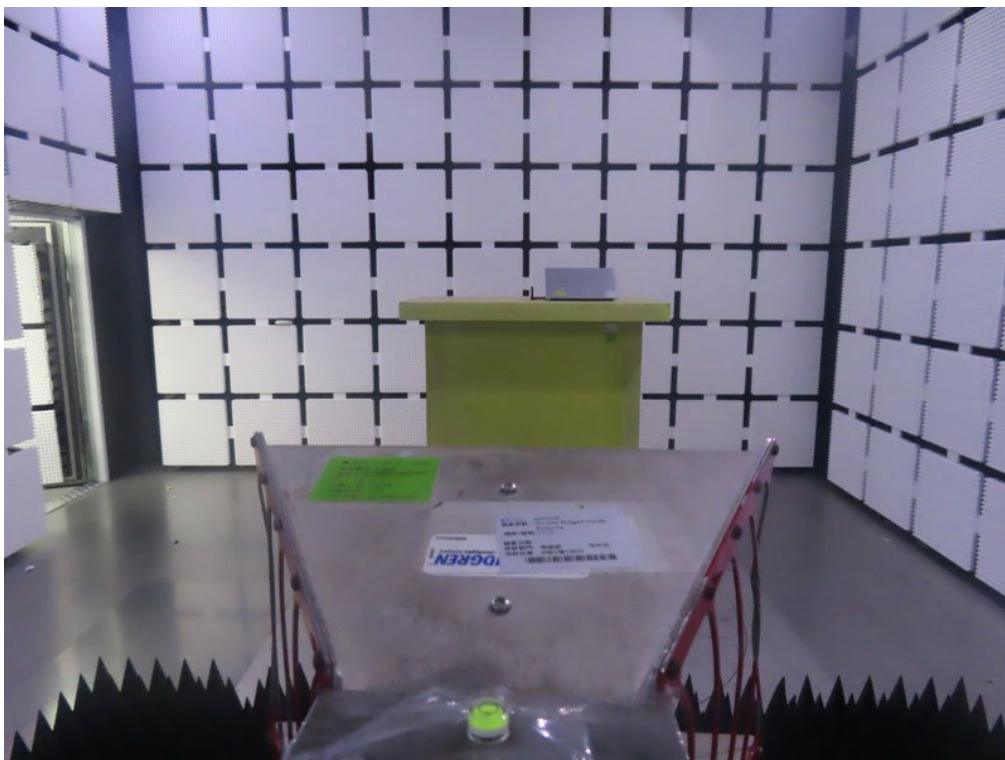
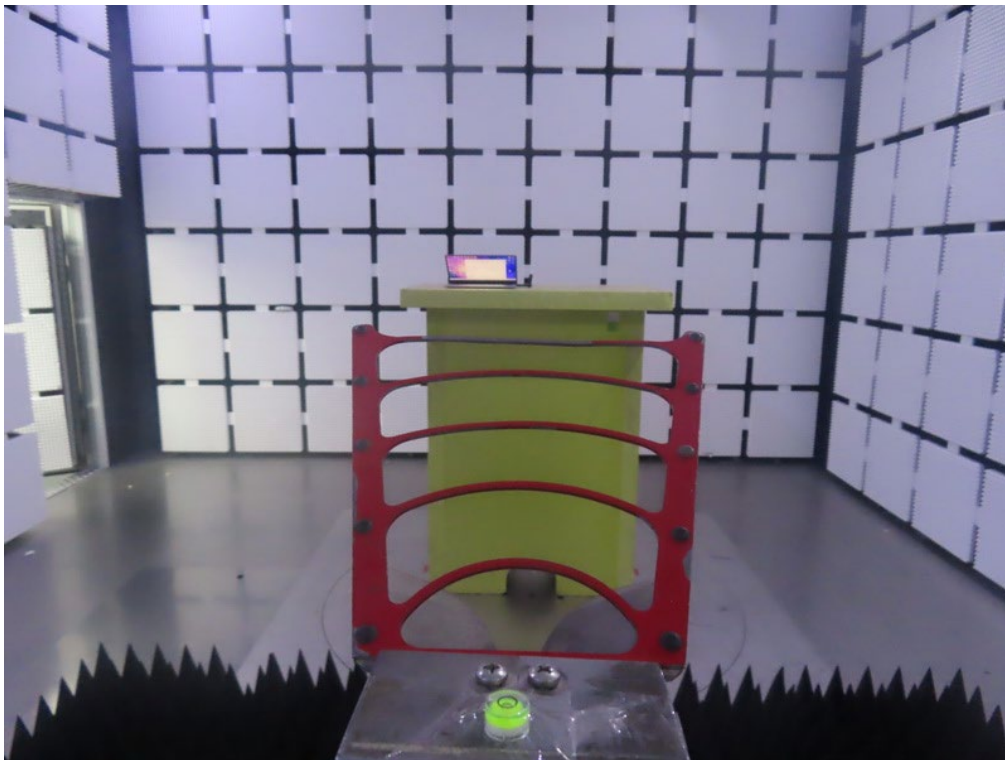
11. EUT TEST PHOTO**AC Power Line Conducted Emissions Test Photos**

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

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

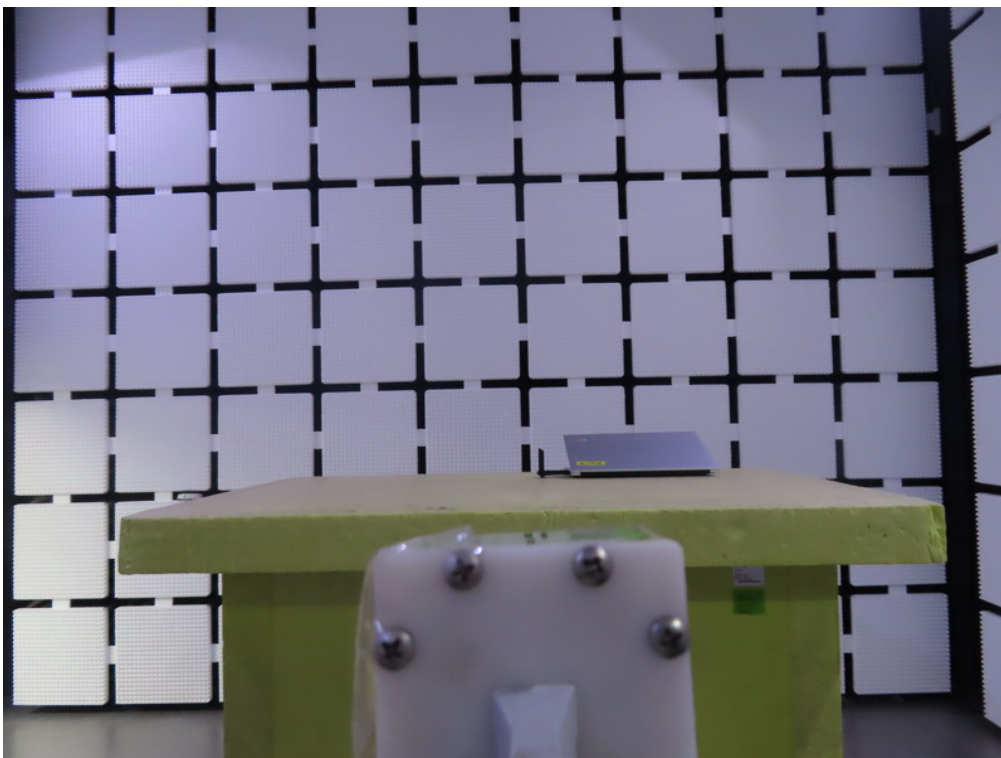
Radiated Emissions Test Photos

1 GHz to 18 GHz

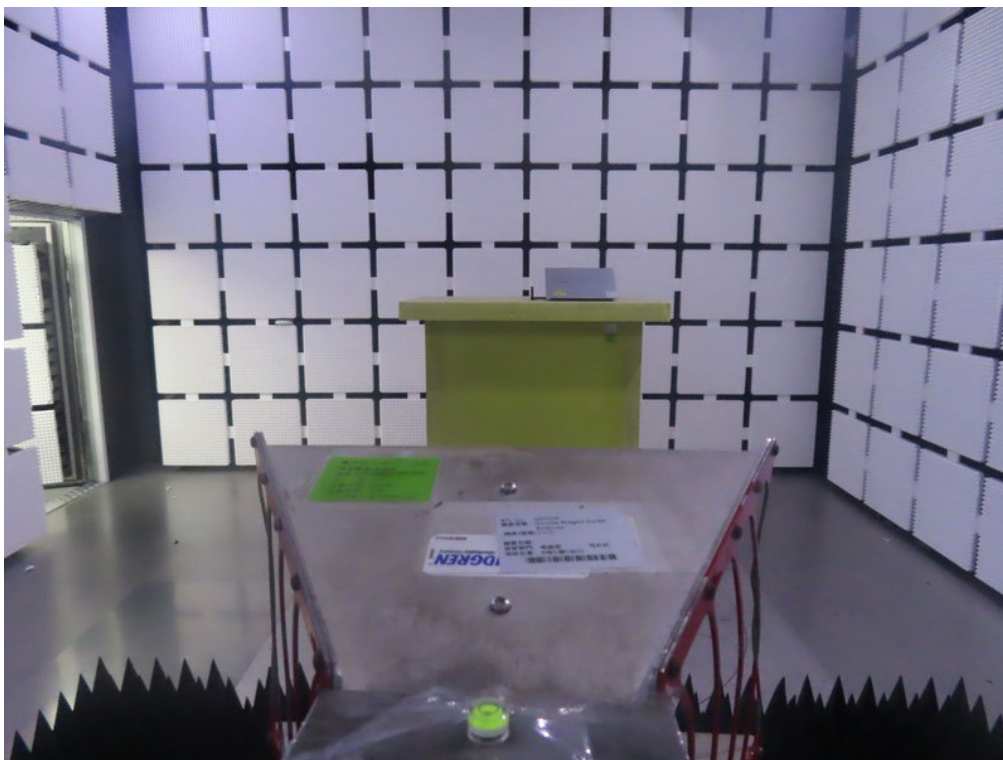
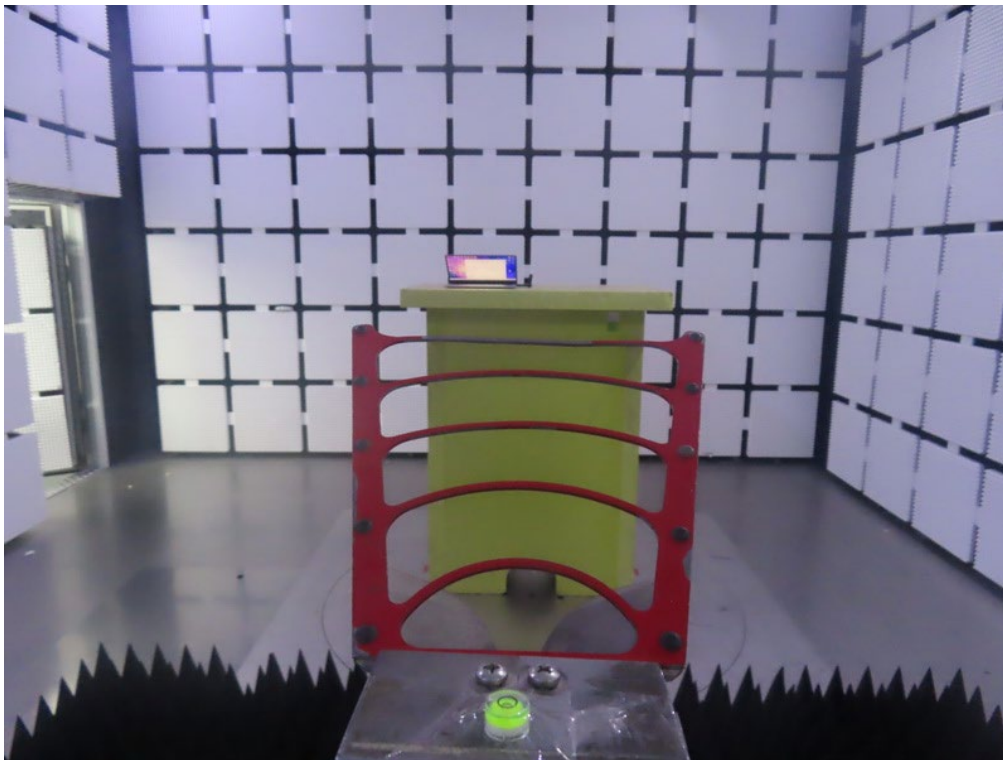


Radiated Emissions Test Photos

18 GHz to 26.5 GHz

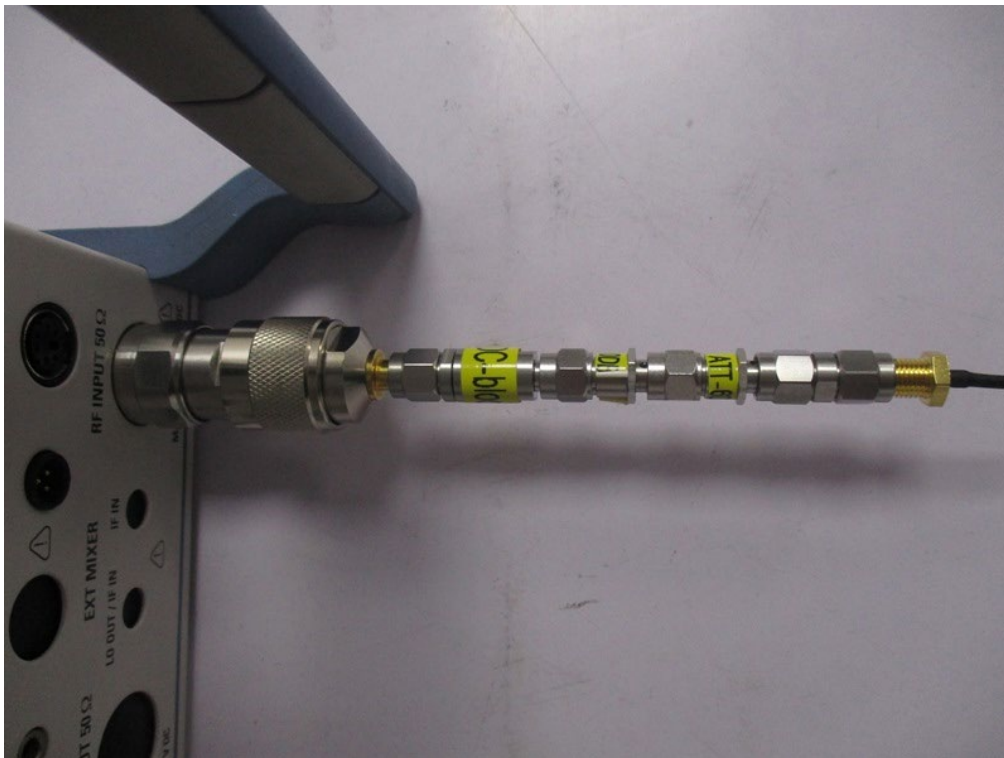
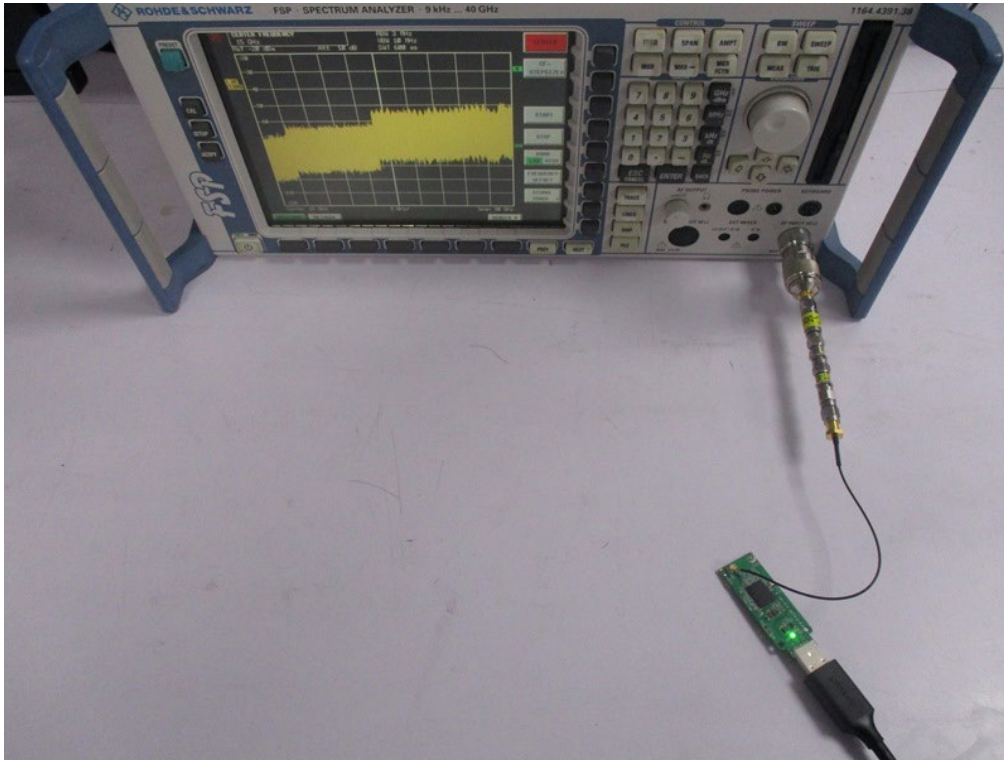


Band Edge Test Photos



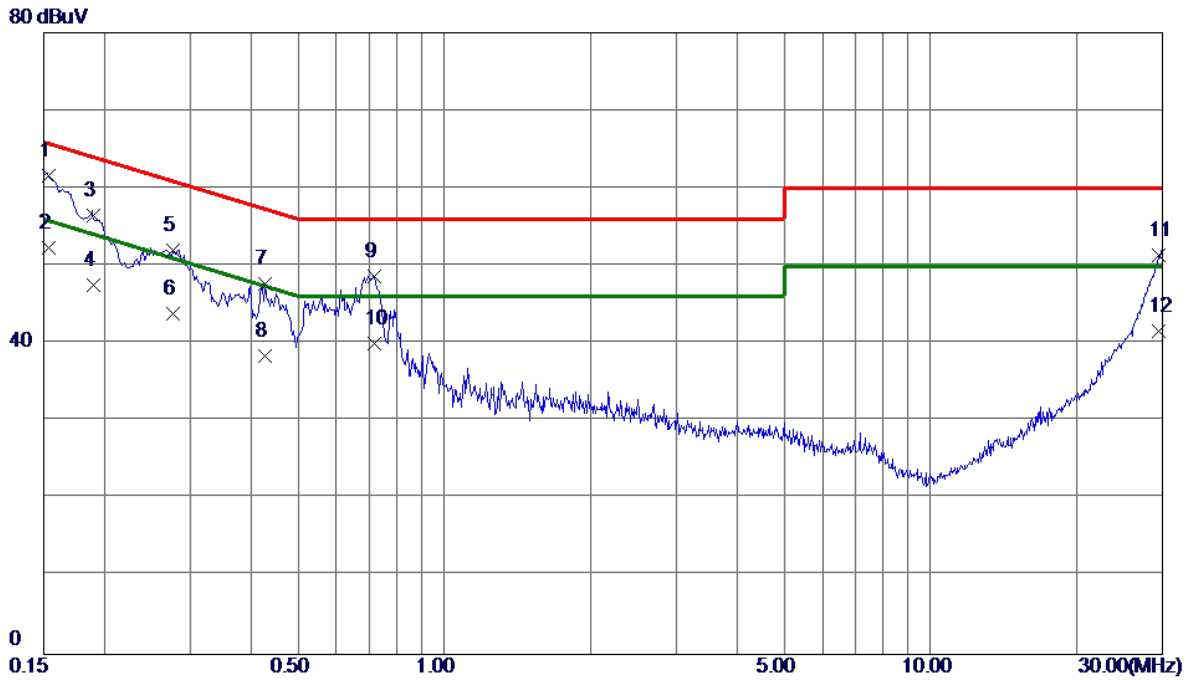


Conducted Test Photos



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX G Mode Channel 06	Phase	Line
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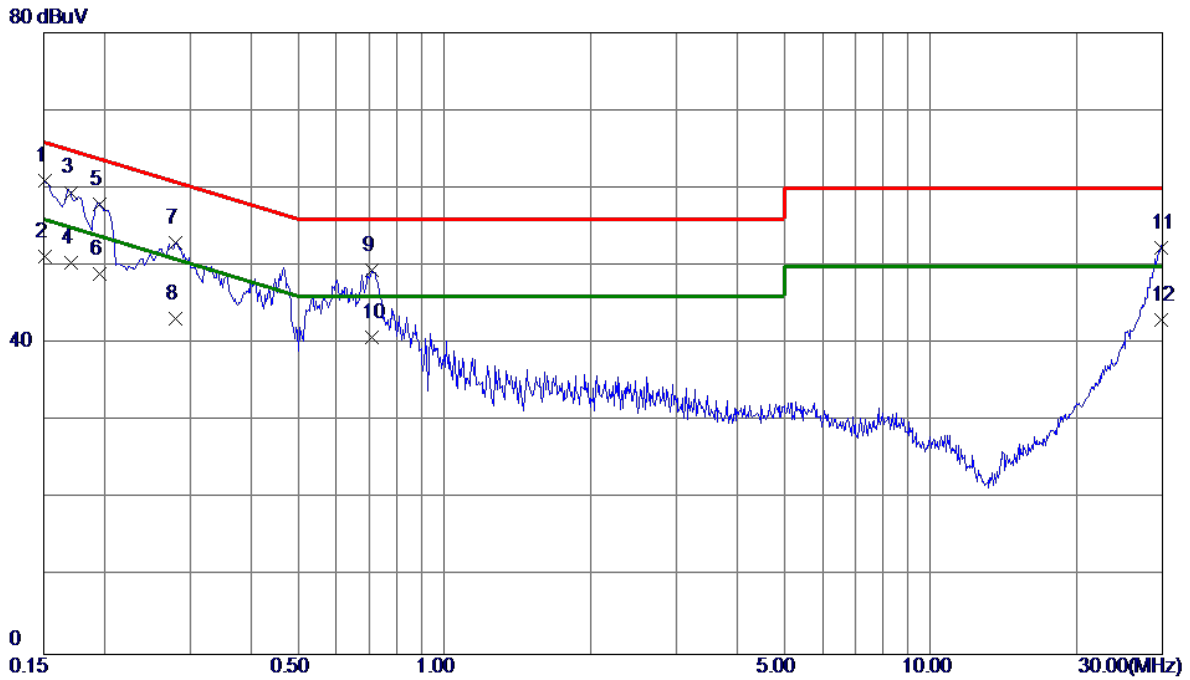


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1532	61.62	0.04	61.66	65.82	-4.16	QP	
2 *	0.1532	52.30	0.04	52.34	55.82	-3.48	AVG	
3	0.1894	56.41	0.04	56.45	64.06	-7.61	QP	
4	0.1894	47.50	0.04	47.54	54.06	-6.52	AVG	
5	0.2760	52.02	0.05	52.07	60.94	-8.87	QP	
6	0.2760	43.80	0.05	43.85	50.94	-7.09	AVG	
7	0.4290	47.60	0.05	47.65	57.27	-9.62	QP	
8	0.4290	38.40	0.05	38.45	47.27	-8.82	AVG	
9	0.7170	48.58	0.07	48.65	56.00	-7.35	QP	
10	0.7170	39.90	0.07	39.97	46.00	-6.03	AVG	
11	29.4878	50.97	0.40	51.37	60.00	-8.63	QP	
12	29.4878	41.20	0.40	41.60	50.00	-8.40	AVG	

REMARKS:

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

Test Mode	TX G Mode Channel 06	Phase	Neutral
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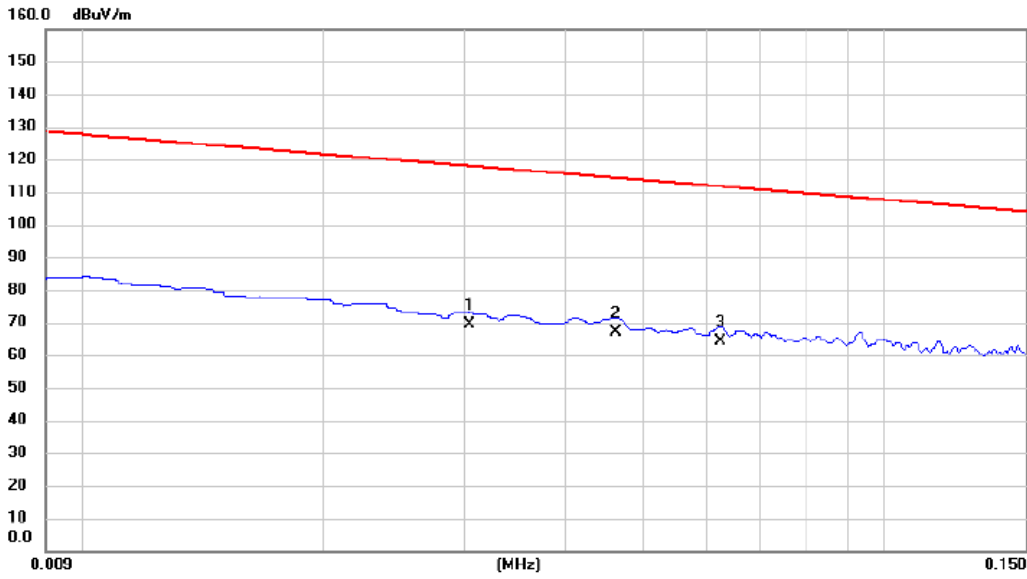
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1508	60.94	0.04	60.98	65.96	-4.98	QP	
2	0.1508	51.20	0.04	51.24	55.96	-4.72	AVG	
3	0.1703	59.40	0.04	59.44	64.95	-5.51	QP	
4 *	0.1703	50.30	0.04	50.34	54.95	-4.61	AVG	
5	0.1955	57.95	0.04	57.99	63.80	-5.81	QP	
6	0.1955	48.90	0.04	48.94	53.80	-4.86	AVG	
7	0.2805	52.91	0.05	52.96	60.80	-7.84	QP	
8	0.2805	43.10	0.05	43.15	50.80	-7.65	AVG	
9	0.7102	49.38	0.07	49.45	56.00	-6.55	QP	
10	0.7102	40.80	0.07	40.87	46.00	-5.13	AVG	
11	29.7668	51.87	0.40	52.27	60.00	-7.73	QP	
12	29.7668	42.70	0.40	43.10	50.00	-6.90	AVG	

REMARKS:

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

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode	TX G Mode Channel 06	Polarization	Ant 0°
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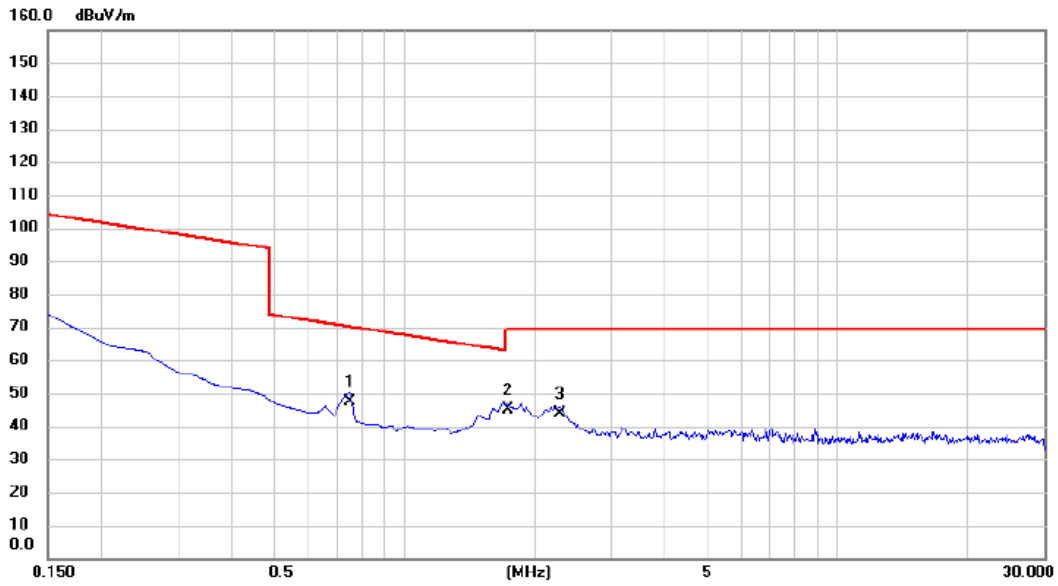


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	0.0304	49.65	19.80	69.45	117.95	-48.50	AVG	
2 *	0.0462	47.22	19.80	67.02	114.31	-47.29	AVG	
3	0.0624	44.35	19.84	64.19	111.70	-47.51	AVG	

REMARKS:

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

Test Mode	TX G Mode Channel 06	Polarization	Ant 0°
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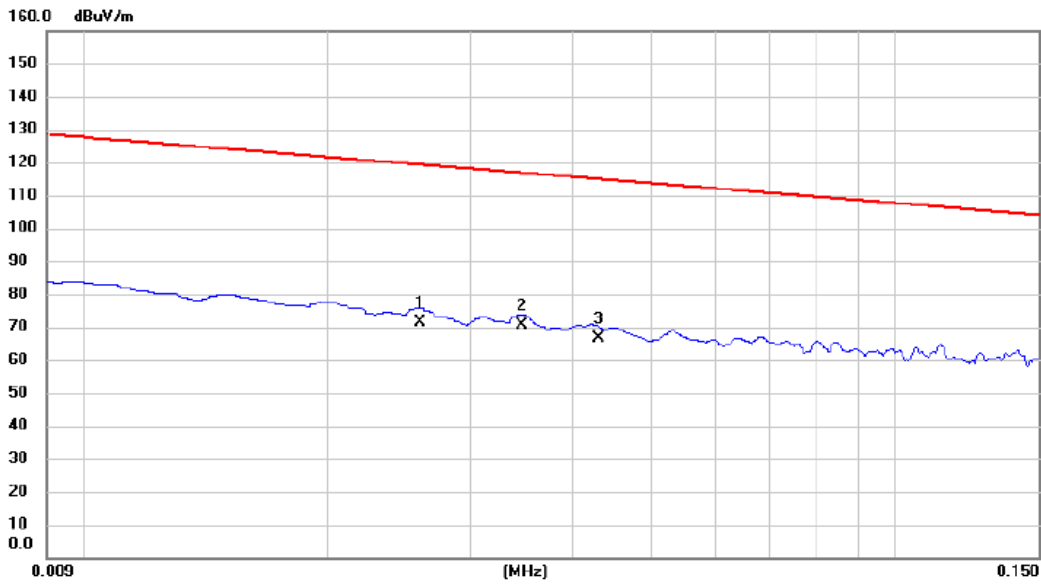


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	0.7470	27.61	19.86	47.47	70.14	-22.67	QP	
2	1.7321	25.36	19.81	45.17	69.54	-24.37	QP	
3	2.2843	24.11	19.81	43.92	69.54	-25.62	QP	

REMARKS:

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

Test Mode	TX G Mode Channel 06	Polarization	Ant 90°
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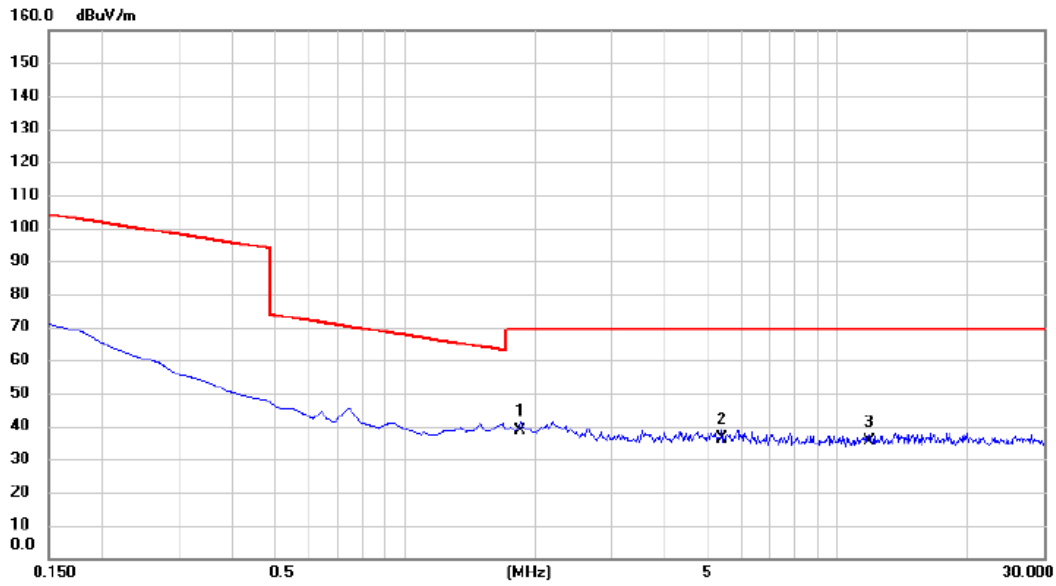


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0260	51.48	20.02	71.50	119.31	-47.81	AVG	
2	*	0.0347	50.63	19.80	70.43	116.80	-46.37	AVG	
3		0.0431	46.85	19.80	66.65	114.92	-48.27	AVG	

REMARKS:

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

Test Mode	TX G Mode Channel 06	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 *	1.8515	18.65	19.80	38.45	69.54	-31.09	QP	
2	5.4185	16.22	19.95	36.17	69.54	-33.37	QP	
3	11.8363	14.99	20.23	35.22	69.54	-34.32	QP	

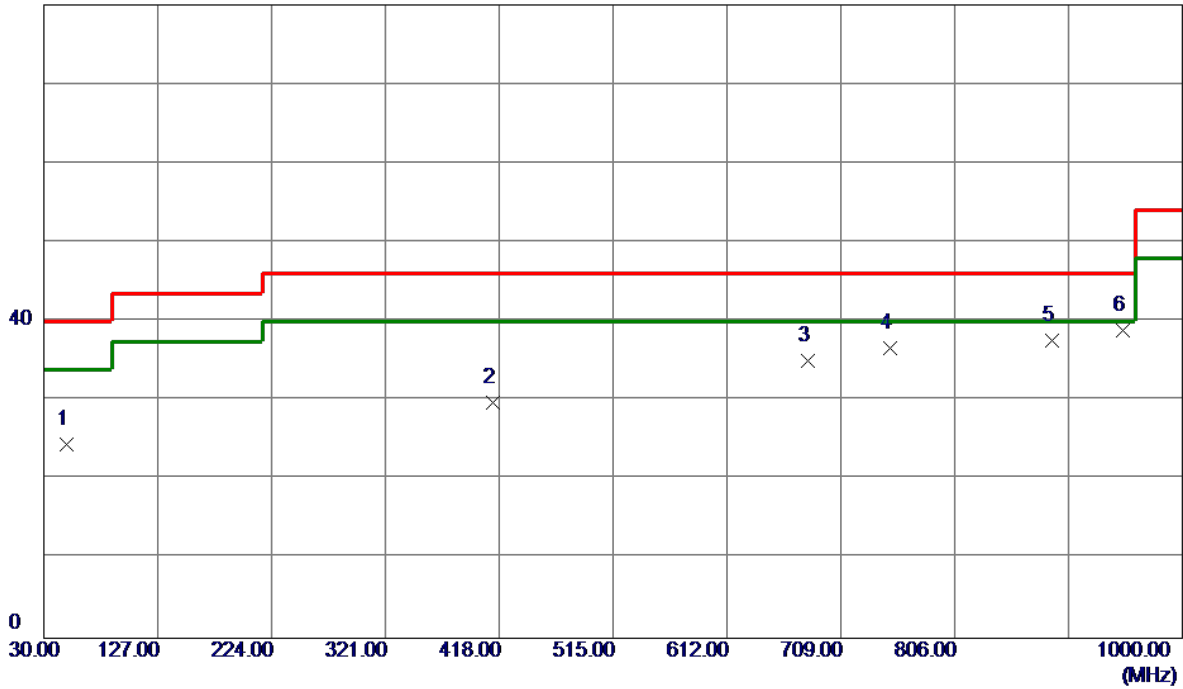
REMARKS:

- (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 G Mode Channel 06	Polarization	Vertical
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80 dBuV/m

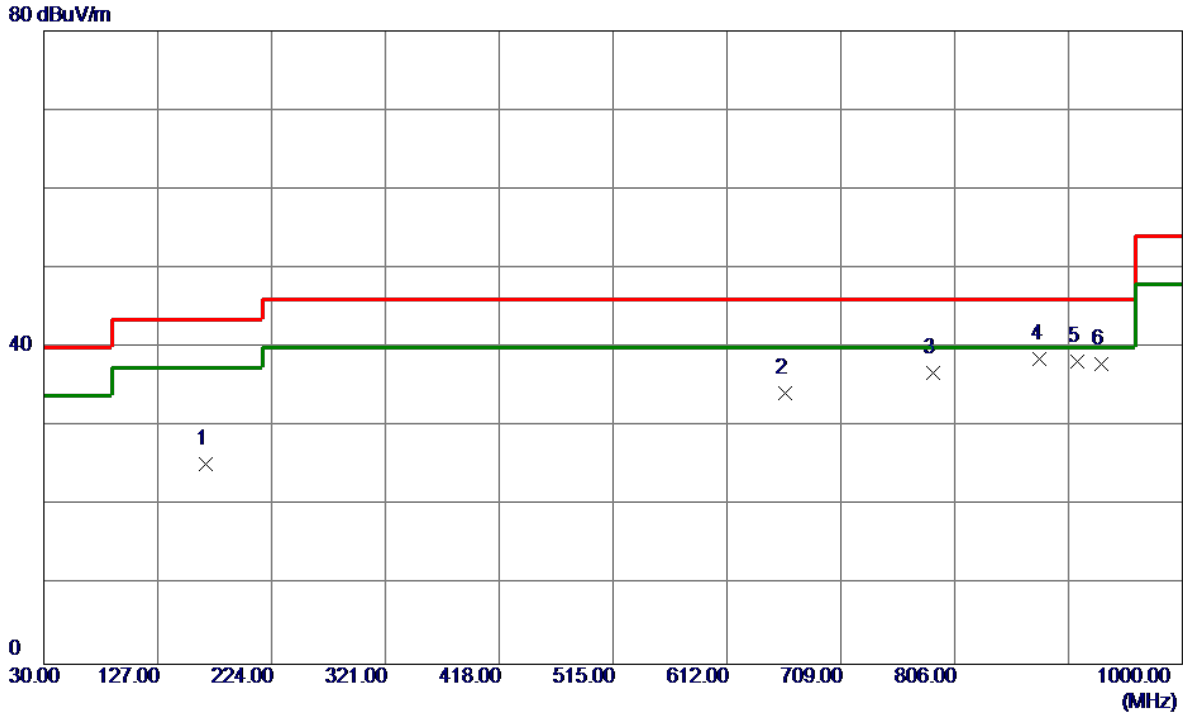


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	48.9150	35.80	-11.34	24.46	40.00	-15.54	Peak	
2	412.1800	37.58	-7.76	29.82	46.00	-16.18	Peak	
3	680.8700	37.68	-2.60	35.08	46.00	-10.92	Peak	
4	750.7100	37.78	-1.18	36.60	46.00	-9.40	Peak	
5	888.9350	37.65	0.01	37.66	46.00	-8.34	Peak	
6 *	949.5600	38.42	0.39	38.81	46.00	-7.19	Peak	

REMARKS:

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

Test Mode	TX G Mode Channel 06	Polarization	Horizontal
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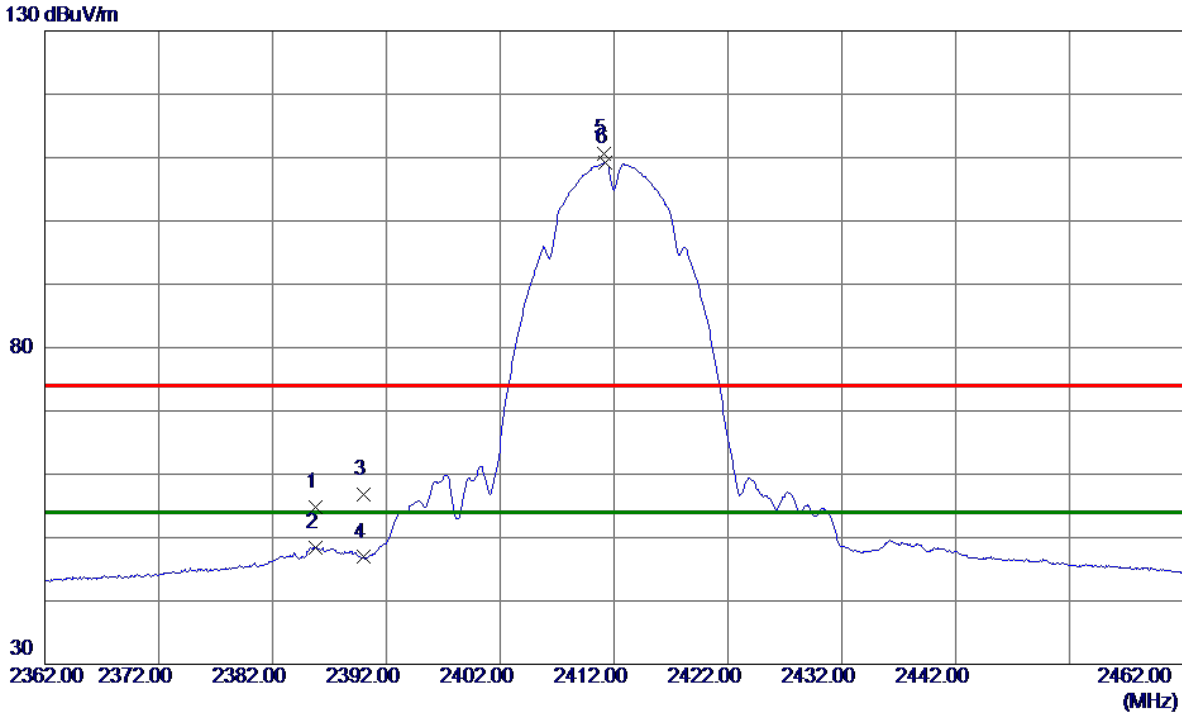
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	168.2250	36.55	-11.21	25.34	43.50	-18.16	Peak	
2	661.4699	37.11	-2.80	34.31	46.00	-11.69	Peak	
3	788.0550	38.11	-1.33	36.78	46.00	-9.22	Peak	
4 *	878.7500	38.69	-0.13	38.56	46.00	-7.44	Peak	
5	910.2750	38.03	0.21	38.24	46.00	-7.76	Peak	
6	930.6450	37.68	0.30	37.98	46.00	-8.02	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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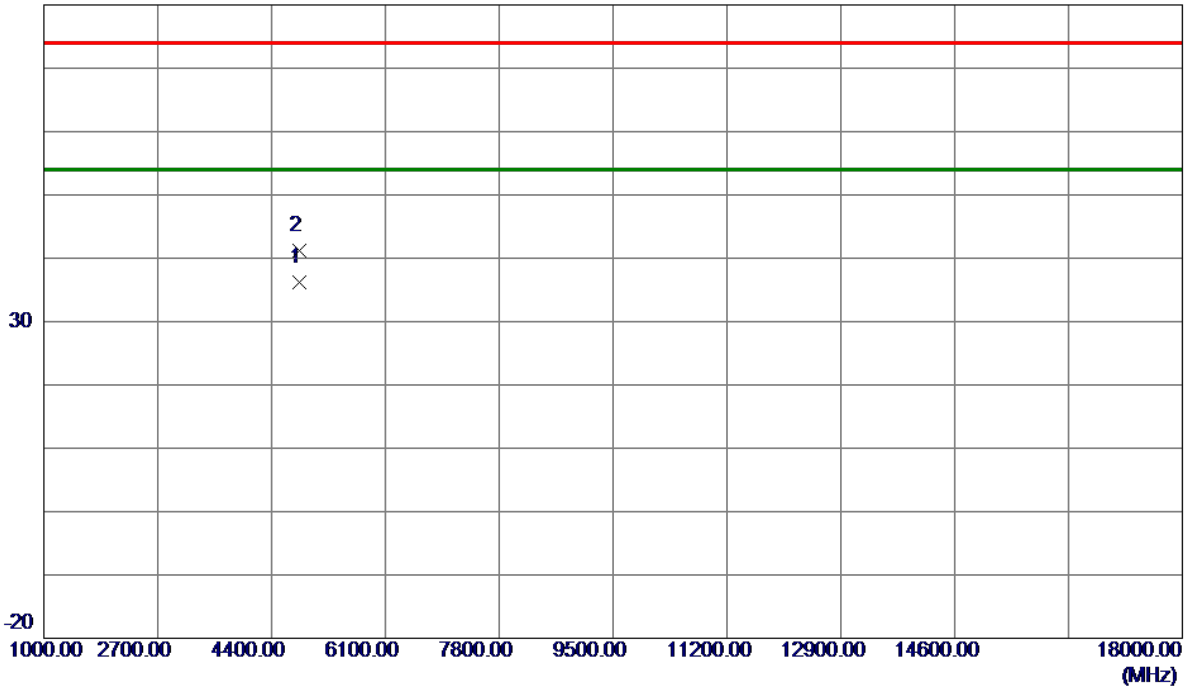
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2385.8000	47.62	7.22	54.84	74.00	-19.16	Peak	
2	2385.8000	41.16	7.22	48.38	54.00	-5.62	AVG	
3	2390.0000	49.51	7.22	56.73	74.00	-17.27	Peak	
4	2390.0000	39.68	7.22	46.90	54.00	-7.10	AVG	
5	2411.1500	103.41	7.24	110.65	74.00	36.65	Peak	No Limit
6 *	2411.2000	101.95	7.24	109.19	54.00	55.19	AVG	No Limit

REMARKS:

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

Test Mode	TX B Mode 2412 MHz	Polarization	Vertical
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80 dBuV/m

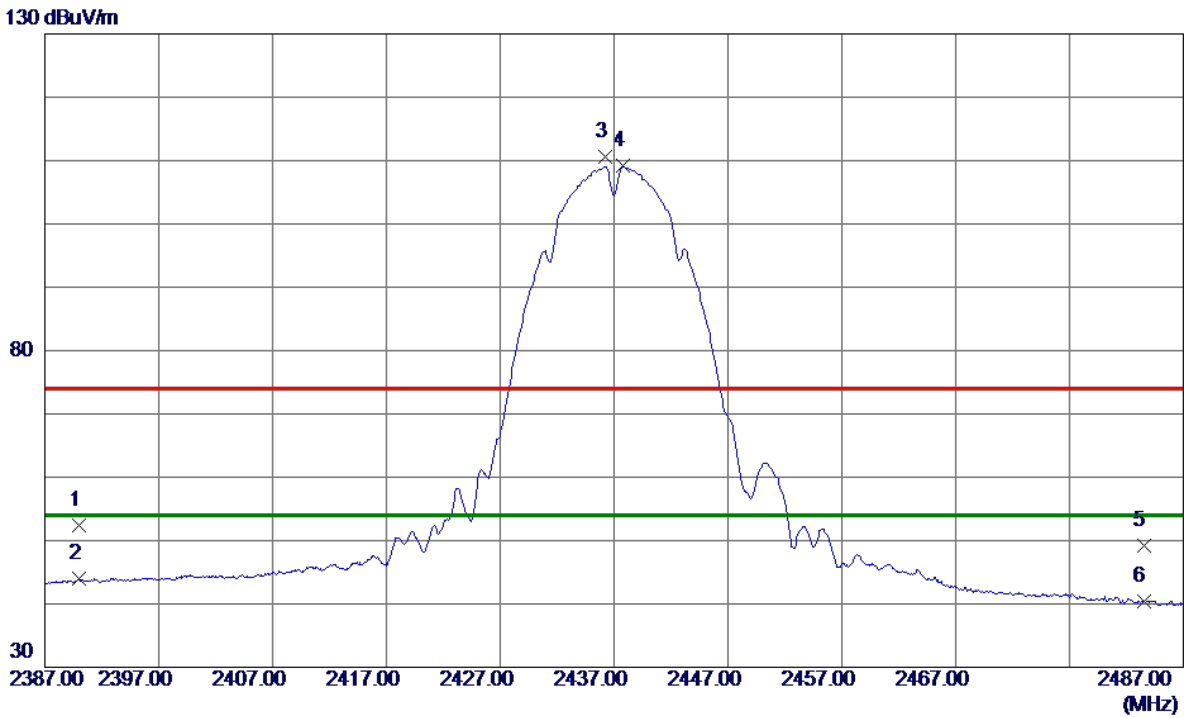


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4823.9850	35.12	1.06	36.18	54.00	-17.82	AVG	
2	4824.0050	40.13	1.06	41.19	74.00	-32.81	Peak	

REMARKS:

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

Test Mode	TX B Mode 2437 MHz	Polarization	Vertical
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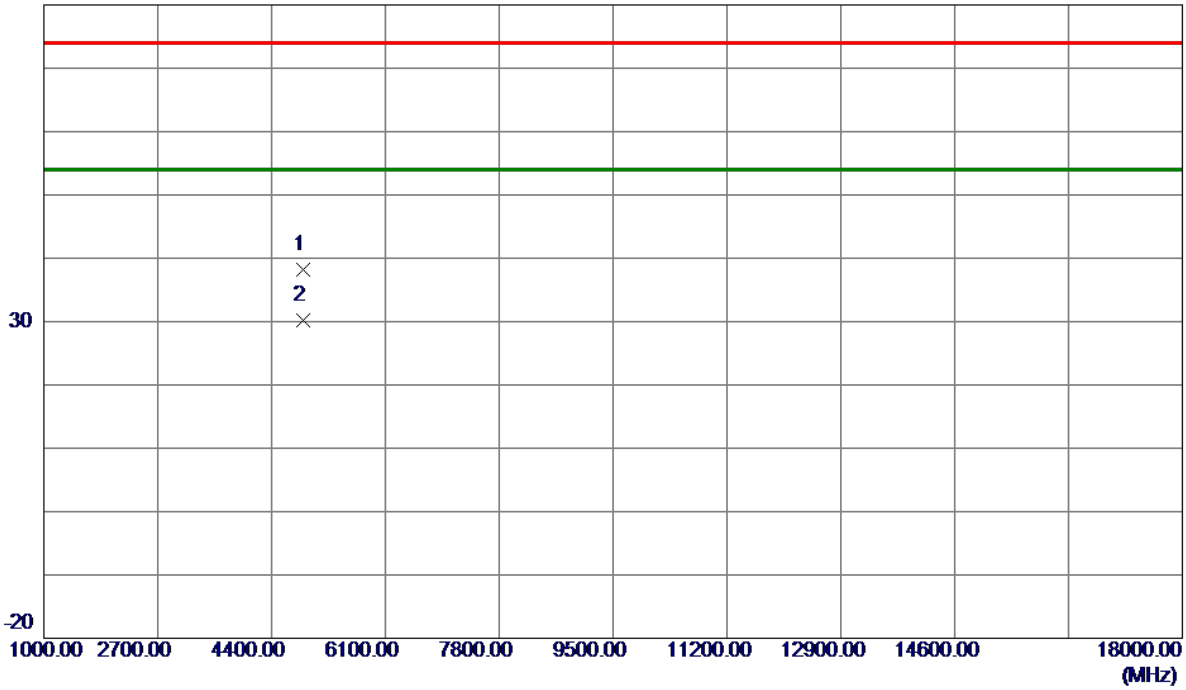
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	45.22	7.22	52.44	74.00	-21.56	Peak	
2	2390.0000	36.74	7.22	43.96	54.00	-10.04	AVG	
3	2436.2000	103.42	7.25	110.67	74.00	36.67	Peak	No Limit
4 *	2437.8000	101.86	7.25	109.11	54.00	55.11	AVG	No Limit
5	2483.5000	41.97	7.28	49.25	74.00	-24.75	Peak	
6	2483.5000	33.13	7.28	40.41	54.00	-13.59	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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80 dBuV/m

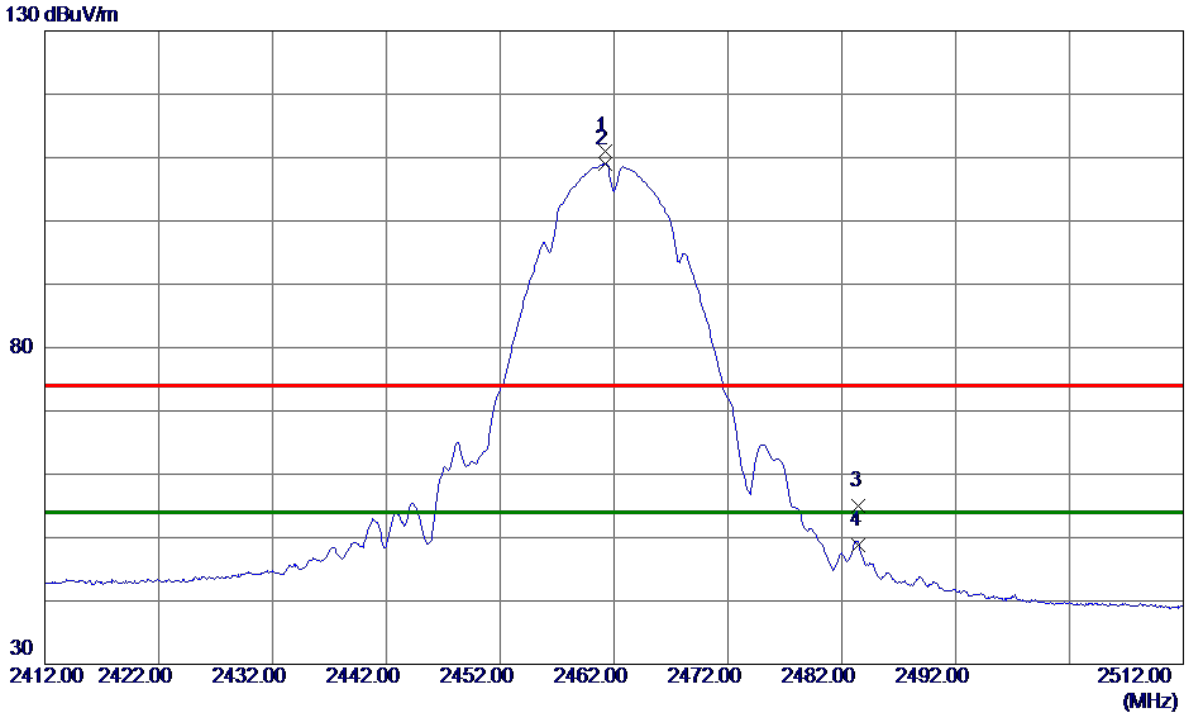


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4871.7450	37.00	1.18	38.18	74.00	-35.82	Peak	
2 *	4873.8500	28.94	1.18	30.12	54.00	-23.88	AVG	

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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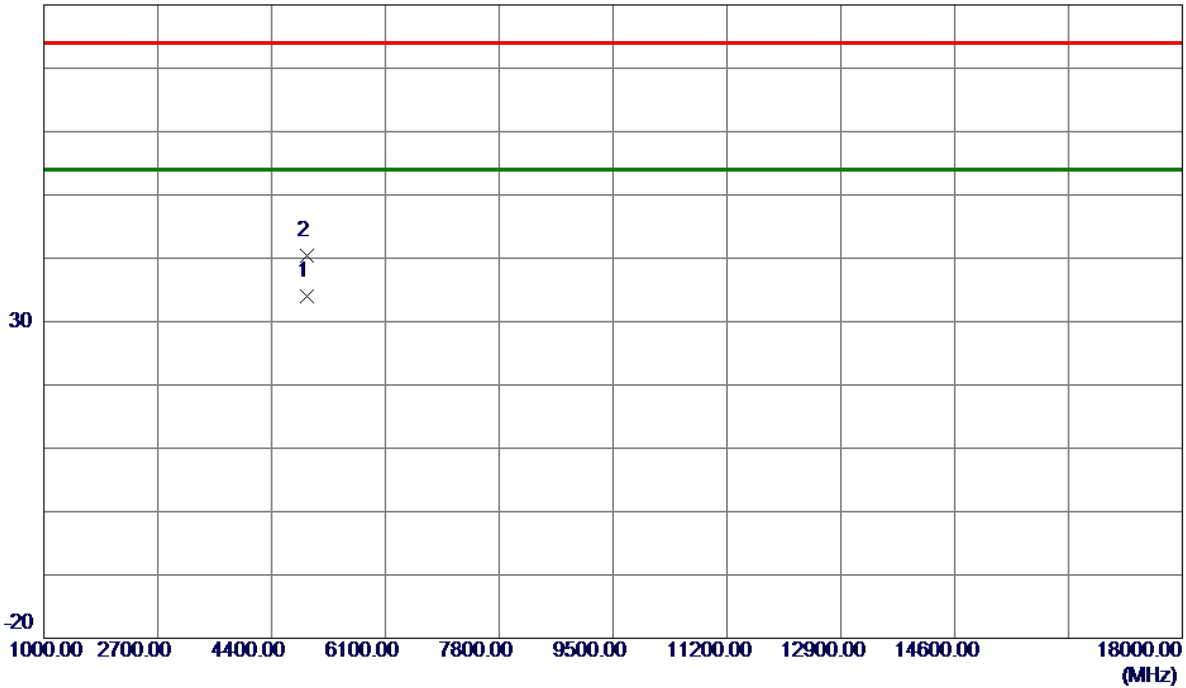
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.2000	103.69	7.27	110.96	74.00	36.96	Peak	No Limit
2 *	2461.2500	101.74	7.27	109.01	54.00	55.01	AVG	No Limit
3	2483.5000	47.74	7.28	55.02	74.00	-18.98	Peak	
4	2483.5000	41.43	7.28	48.71	54.00	-5.29	AVG	

REMARKS:

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

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

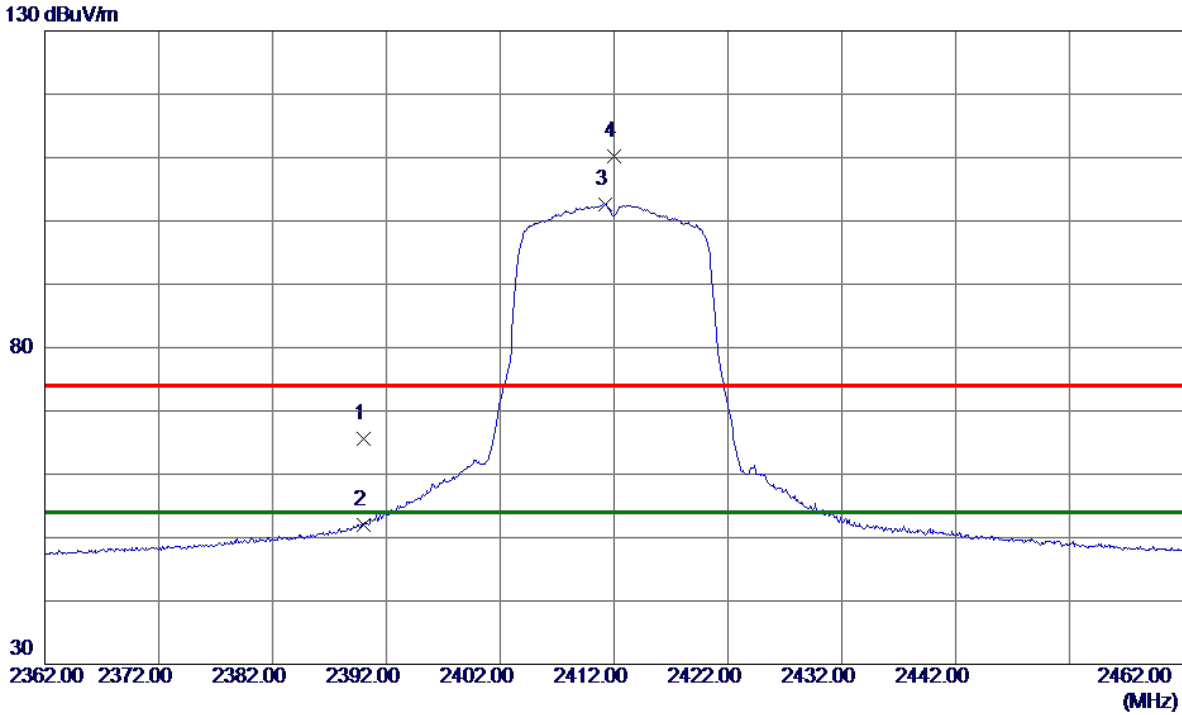


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4923.9100	32.74	1.30	34.04	54.00	-19.96	AVG	
2	4923.9400	39.11	1.30	40.41	74.00	-33.59	Peak	

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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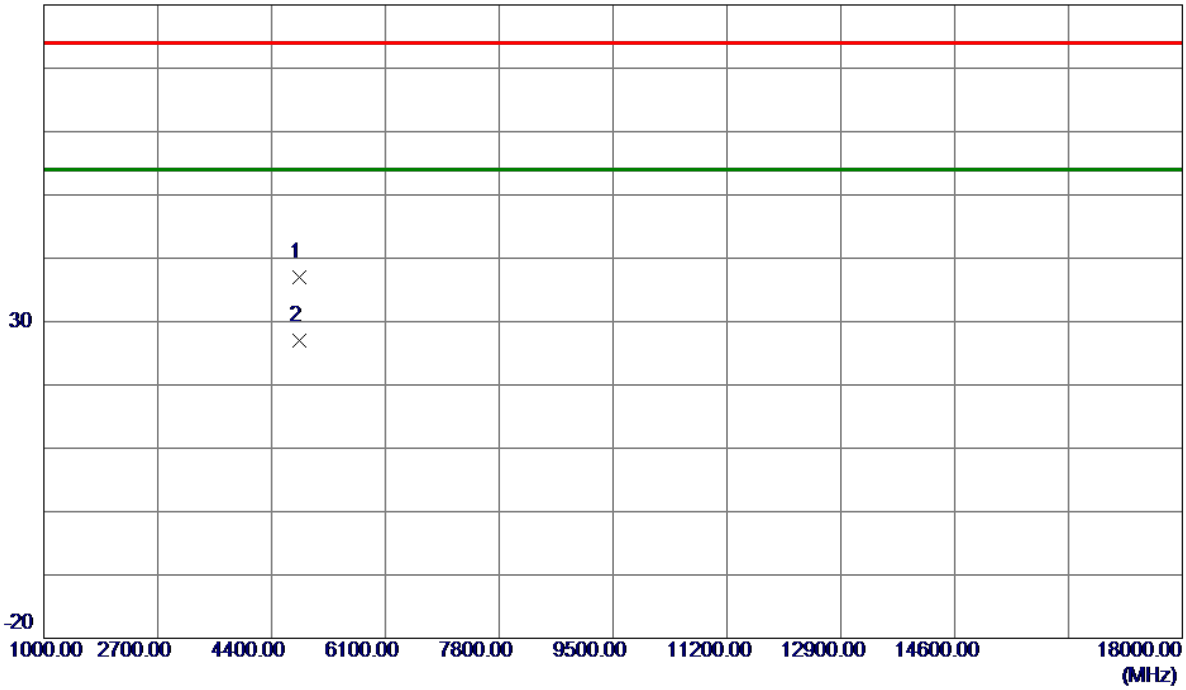
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	58.33	7.22	65.55	74.00	-8.45	Peak	
2	2390.0000	44.69	7.22	51.91	54.00	-2.09	AVG	
3 *	2411.2500	95.40	7.24	102.64	54.00	48.64	AVG	No Limit
4	2411.9500	102.94	7.24	110.18	74.00	36.18	Peak	No Limit

REMARKS:

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

Test Mode	TX G Mode 2412 MHz	Polarization	Vertical
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80 dBuV/m

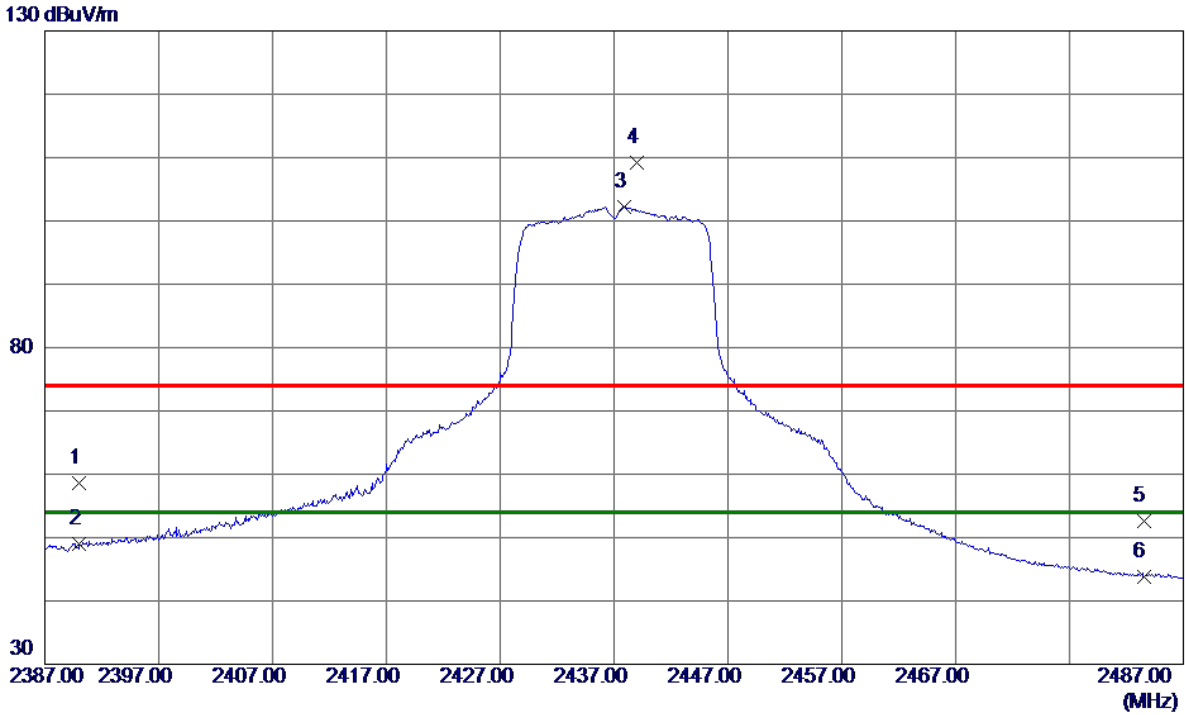


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4821.0800	36.00	1.06	37.06	74.00	-36.94	Peak	
2 *	4824.0950	25.98	1.06	27.04	54.00	-26.96	AVG	

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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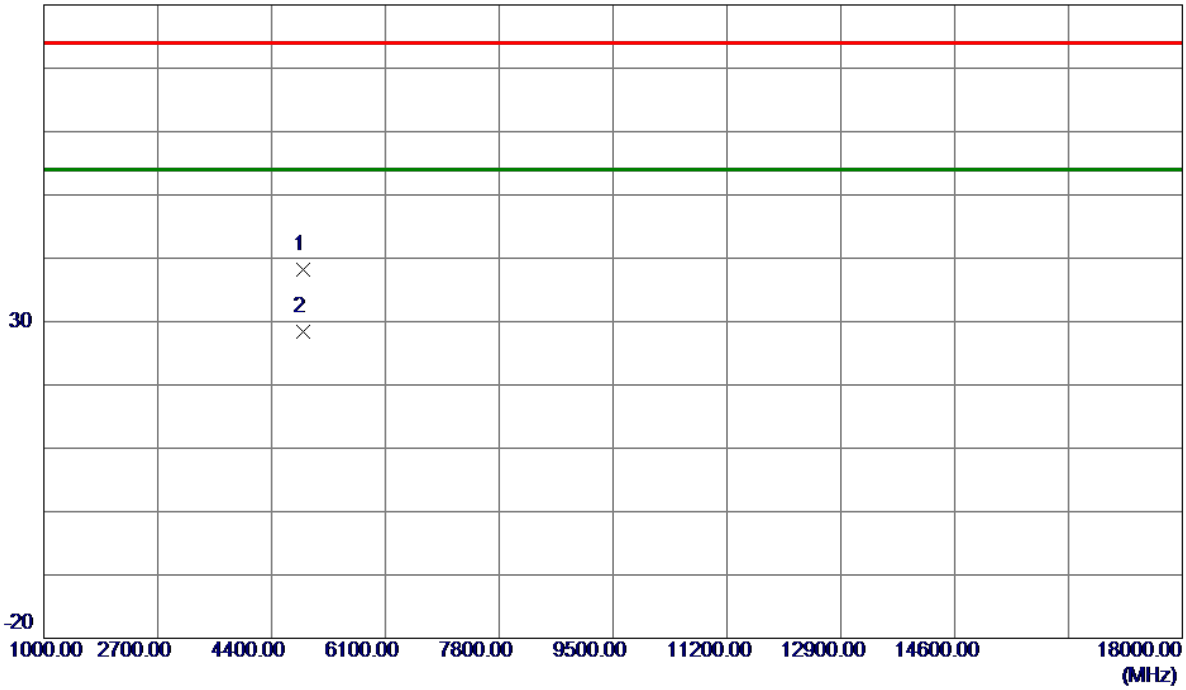
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	51.46	7.22	58.68	74.00	-15.32	Peak	
2	2390.0000	41.70	7.22	48.92	54.00	-5.08	AVG	
3 *	2437.8500	95.01	7.25	102.26	54.00	48.26	AVG	No Limit
4	2438.9500	101.92	7.25	109.17	74.00	35.17	Peak	No Limit
5	2483.5000	45.31	7.28	52.59	74.00	-21.41	Peak	
6	2483.5000	36.60	7.28	43.88	54.00	-10.12	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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80 dBuV/m

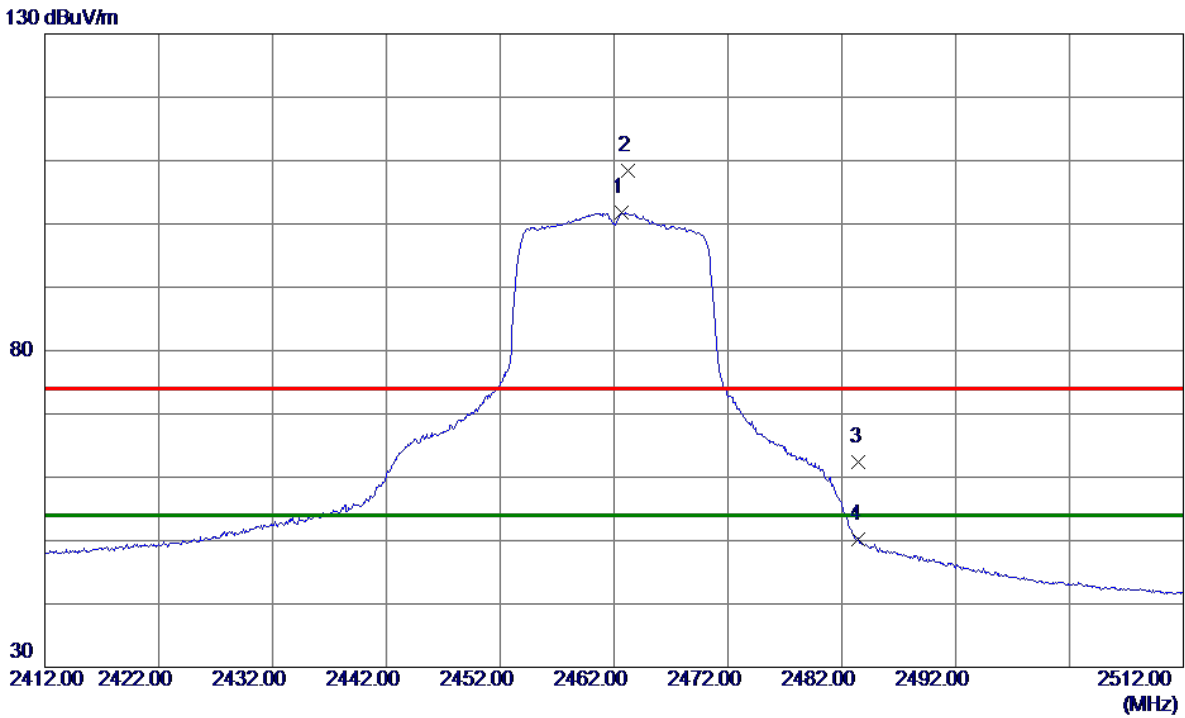


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4875.9300	37.09	1.19	38.28	74.00	-35.72	Peak	
2 *	4875.9950	27.15	1.19	28.34	54.00	-25.66	AVG	

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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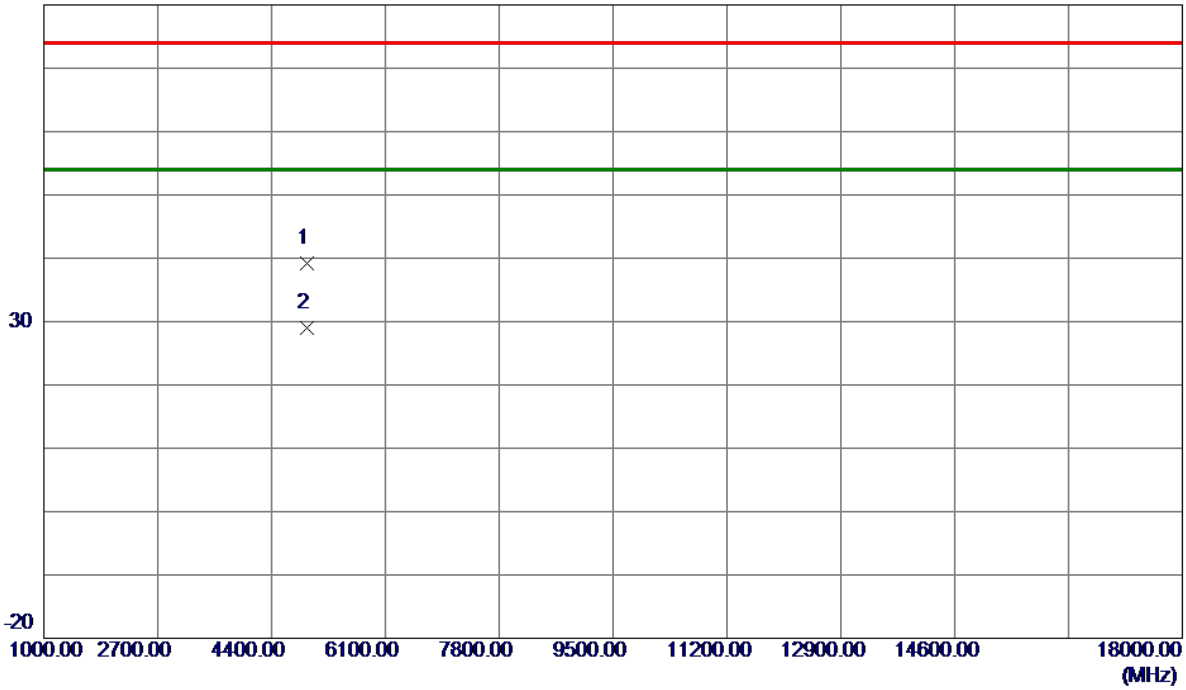
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2462.7000	94.49	7.27	101.76	54.00	47.76	AVG	No Limit
2	2463.2500	101.12	7.27	108.39	74.00	34.39	Peak	No Limit
3	2483.5000	55.21	7.28	62.49	74.00	-11.51	Peak	
4	2483.5000	42.84	7.28	50.12	54.00	-3.88	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

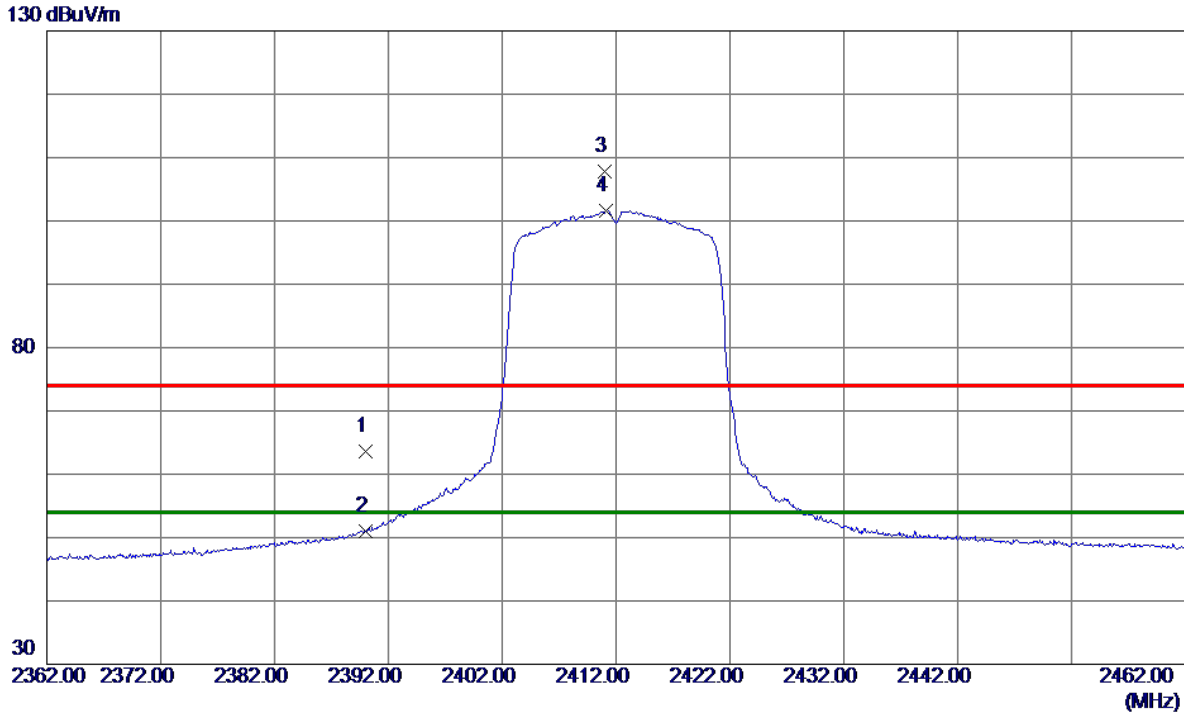


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4924.0050	37.97	1.31	39.28	74.00	-34.72	Peak	
2 *	4924.5450	27.64	1.31	28.95	54.00	-25.05	AVG	

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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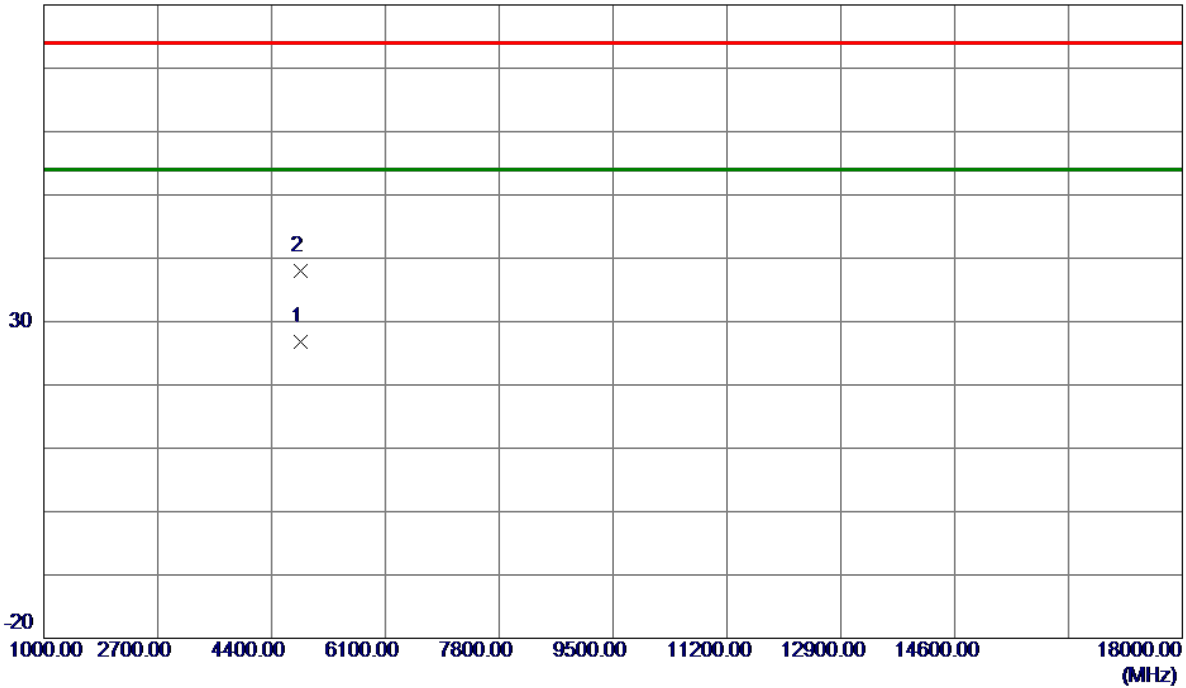
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	56.32	7.22	63.54	74.00	-10.46	Peak	
2	2390.0000	43.80	7.22	51.02	54.00	-2.98	AVG	
3	2411.0500	100.59	7.24	107.83	74.00	33.83	Peak	No Limit
4 *	2411.1500	94.33	7.24	101.57	54.00	47.57	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

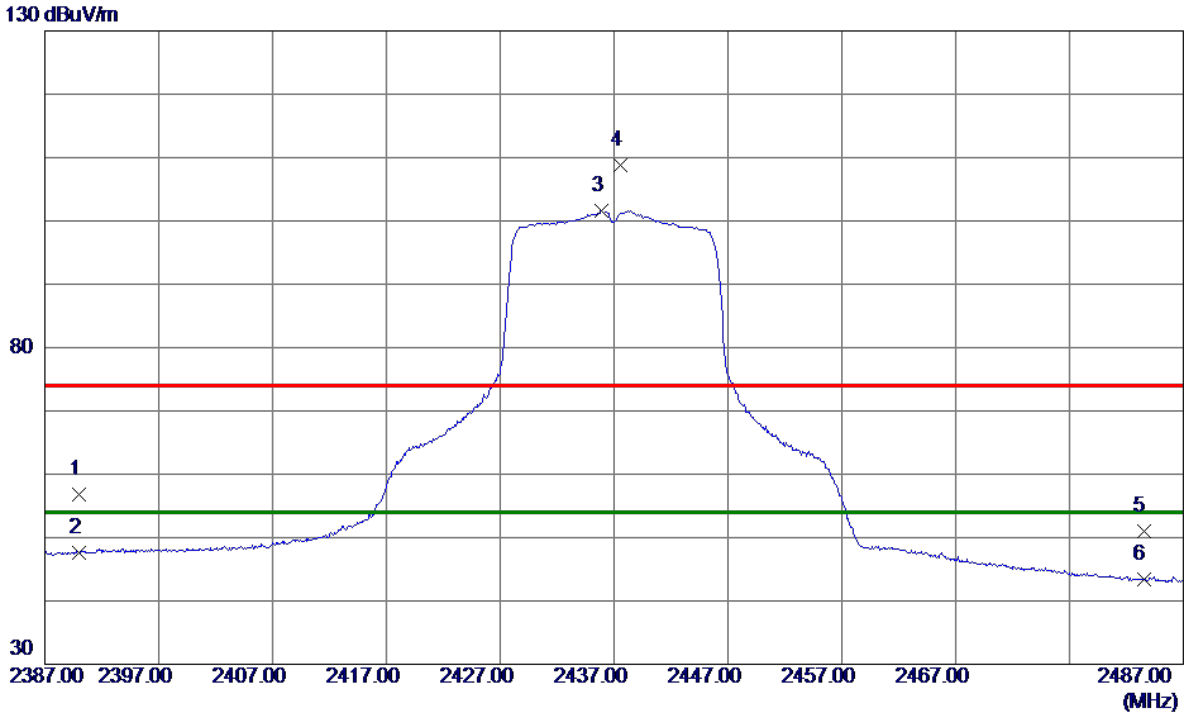


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4826.5450	25.80	1.07	26.87	54.00	-27.13	AVG	
2	4828.5700	36.85	1.07	37.92	74.00	-36.08	Peak	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Vertical
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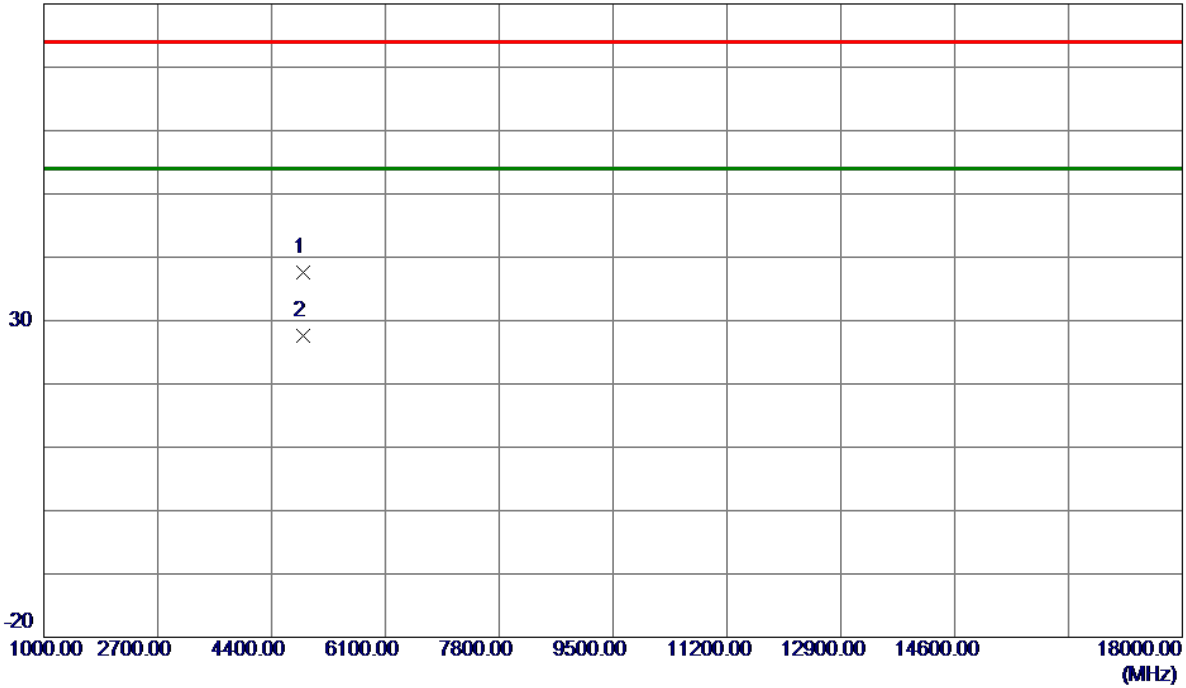
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	49.63	7.22	56.85	74.00	-17.15	Peak	
2	2390.0000	40.31	7.22	47.53	54.00	-6.47	AVG	
3 *	2435.9000	94.42	7.25	101.67	54.00	47.67	AVG	No Limit
4	2437.5500	101.60	7.25	108.85	74.00	34.85	Peak	No Limit
5	2483.5000	43.77	7.28	51.05	74.00	-22.95	Peak	
6	2483.5000	36.07	7.28	43.35	54.00	-10.65	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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80 dBuV/m

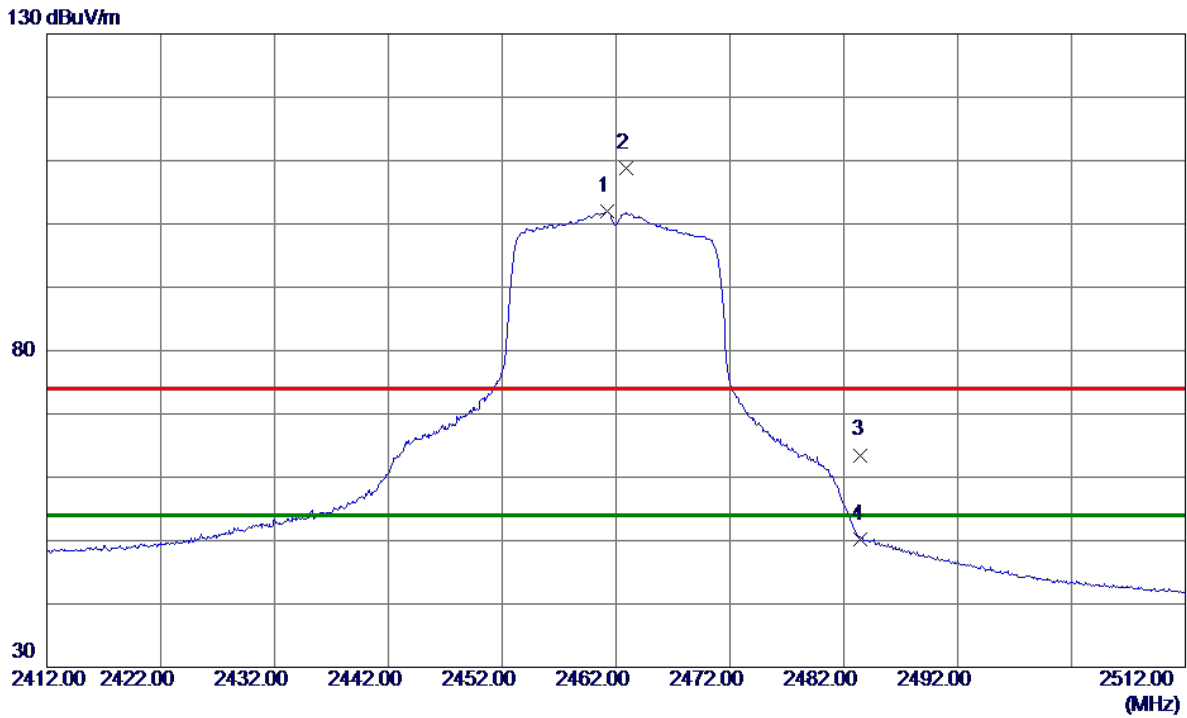


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4872.5000	36.44	1.18	37.62	74.00	-36.38	Peak	
2 *	4875.3250	26.33	1.19	27.52	54.00	-26.48	AVG	

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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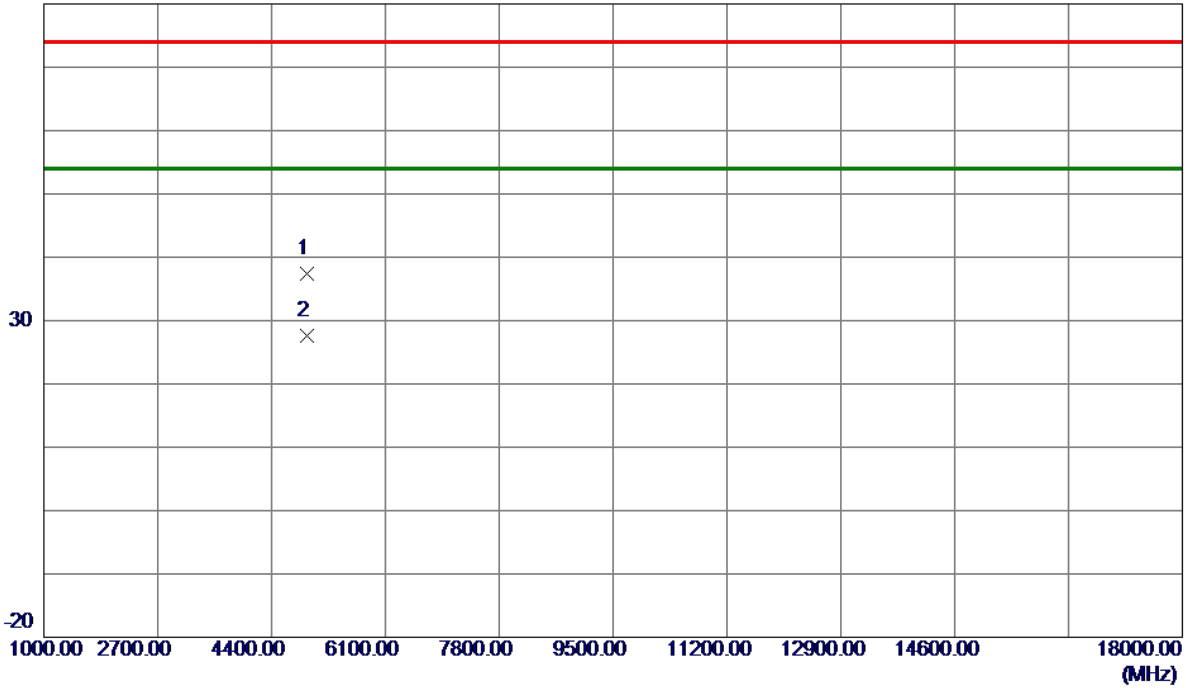
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2461.2000	94.64	7.27	101.91	54.00	47.91	AVG	No Limit
2	2462.8500	101.53	7.27	108.80	74.00	34.80	Peak	No Limit
3	2483.5000	56.22	7.28	63.50	74.00	-10.50	Peak	
4	2483.5000	43.01	7.28	50.29	54.00	-3.71	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

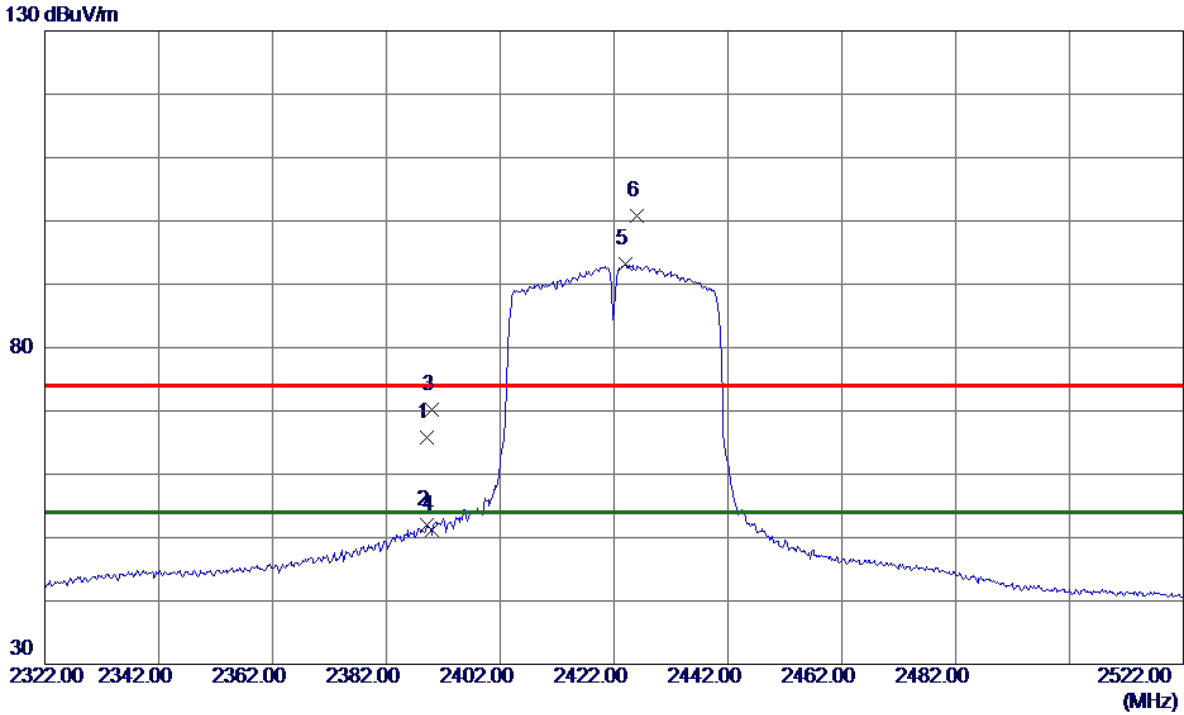


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4926.8300	36.14	1.31	37.45	74.00	-36.55	Peak	
2 *	4928.7100	26.23	1.32	27.55	54.00	-26.45	AVG	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Vertical
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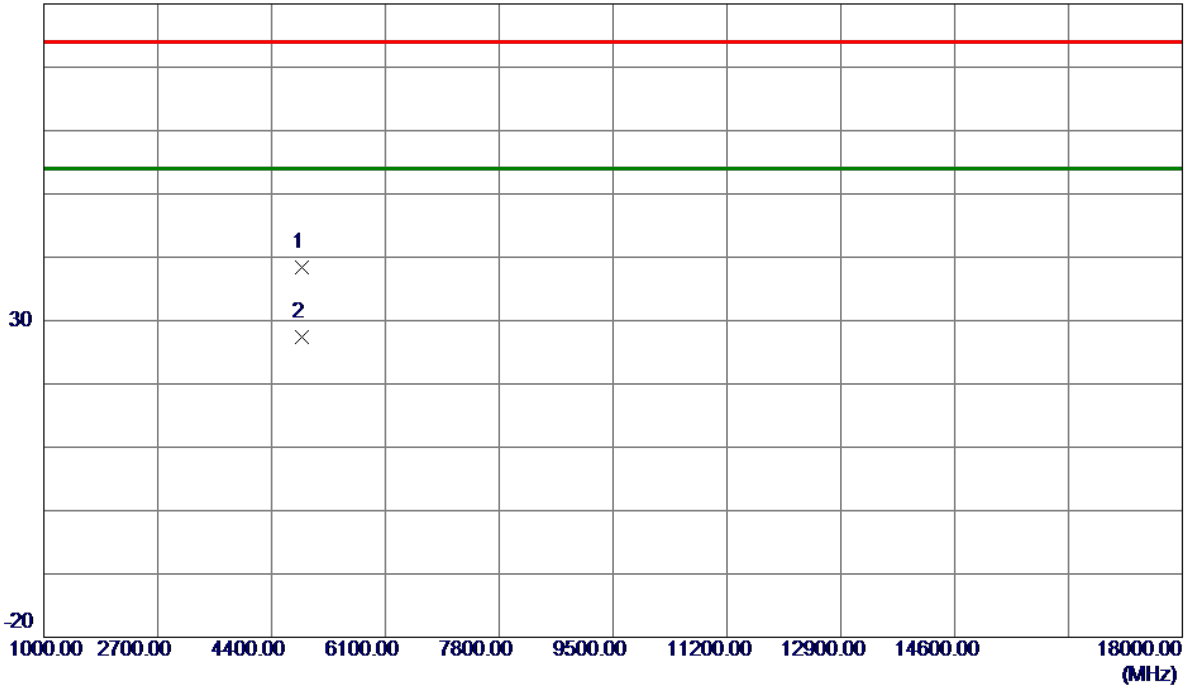
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2389.2000	58.56	7.22	65.78	74.00	-8.22	Peak	
2	2389.2000	44.70	7.22	51.92	54.00	-2.08	AVG	
3	2390.0000	62.92	7.22	70.14	74.00	-3.86	Peak	
4	2390.0000	44.05	7.22	51.27	54.00	-2.73	AVG	
5 *	2424.0000	86.03	7.24	93.27	54.00	39.27	AVG	No Limit
6	2426.1000	93.54	7.25	100.79	74.00	26.79	Peak	No Limit

REMARKS:

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

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

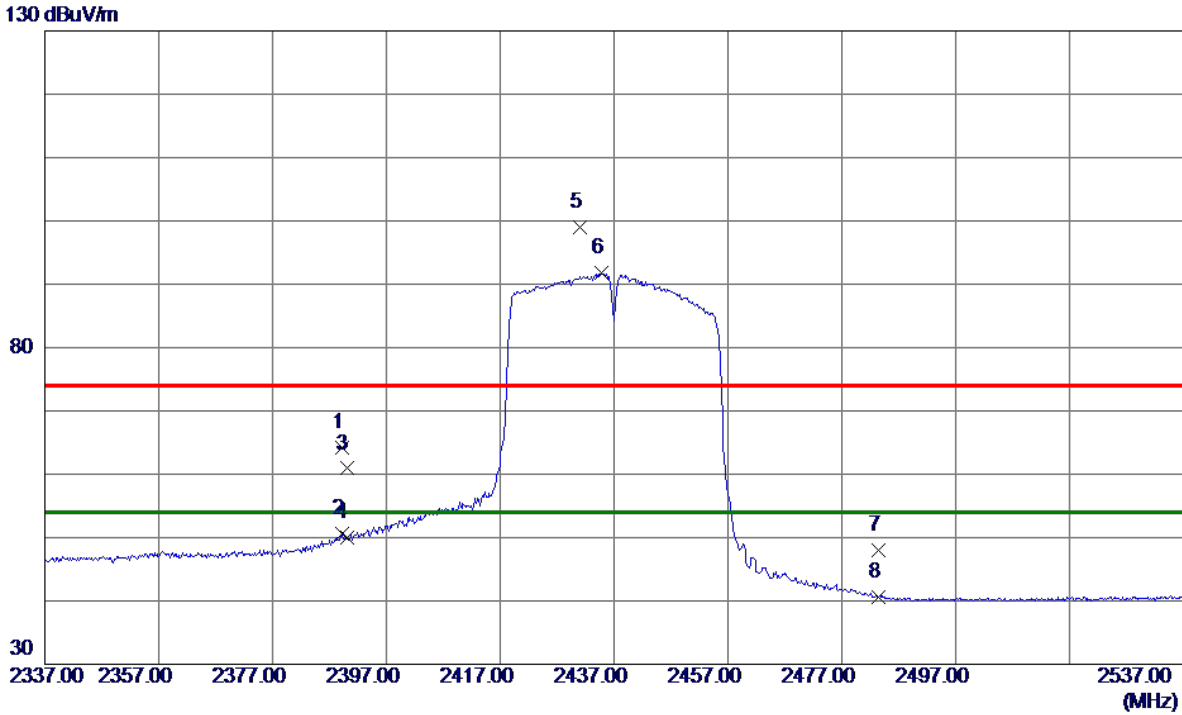


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4844.2599	37.24	1.11	38.35	74.00	-35.65	Peak	
2 *	4848.2050	26.26	1.12	27.38	54.00	-26.62	AVG	

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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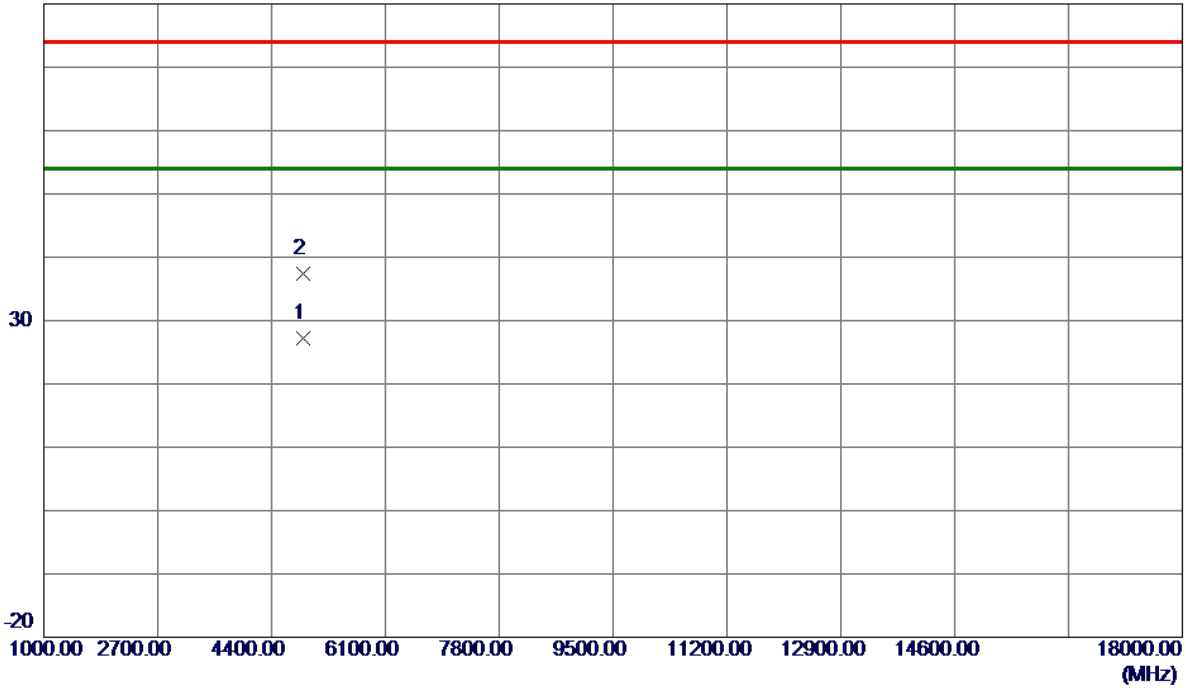
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2389.2000	56.99	7.22	64.21	74.00	-9.79	Peak	
2	2389.2000	43.29	7.22	50.51	54.00	-3.49	AVG	
3	2390.0000	53.68	7.22	60.90	74.00	-13.10	Peak	
4	2390.0000	42.84	7.22	50.06	54.00	-3.94	AVG	
5	2431.0000	91.70	7.25	98.95	74.00	24.95	Peak	No Limit
6 *	2434.8000	84.56	7.25	91.81	54.00	37.81	AVG	No Limit
7	2483.5000	40.67	7.28	47.95	74.00	-26.05	Peak	
8	2483.5000	33.40	7.28	40.68	54.00	-13.32	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

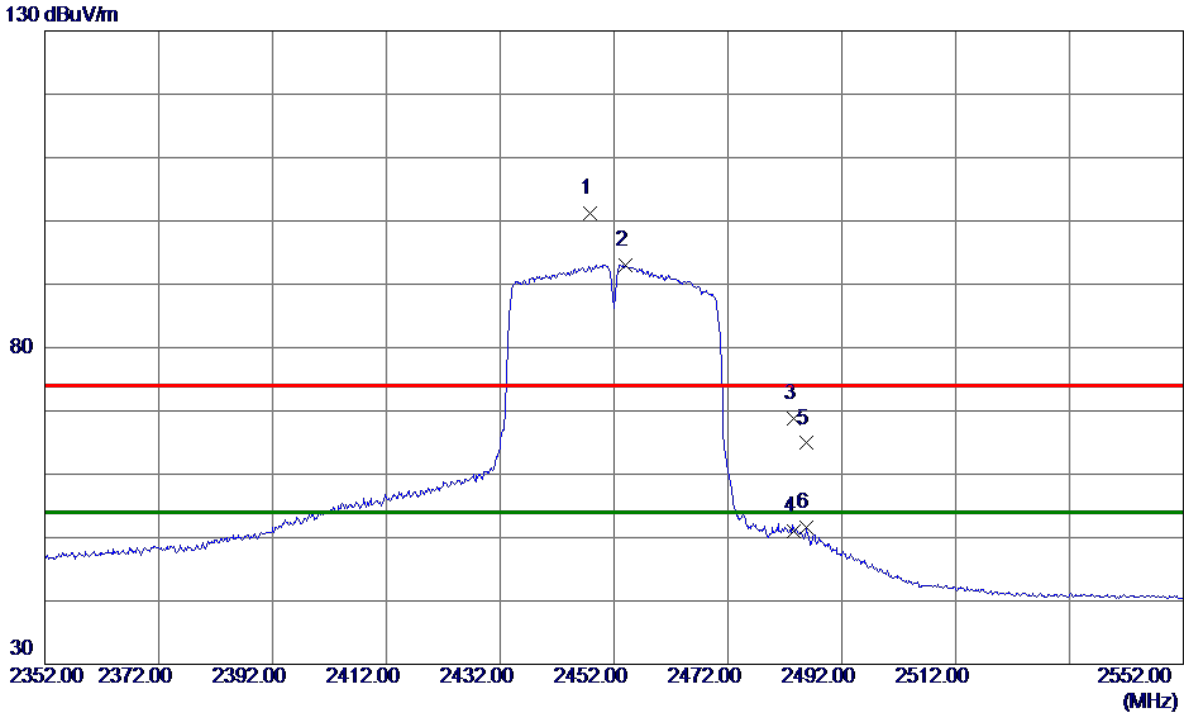


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4871.5650	26.05	1.18	27.23	54.00	-26.77	AVG	
2	4876.0550	36.20	1.19	37.39	74.00	-36.61	Peak	

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	2447.7000	93.98	7.26	101.24	74.00	27.24	Peak	No Limit
2 *	2453.9000	85.82	7.26	93.08	54.00	39.08	AVG	No Limit
3	2483.5000	61.46	7.28	68.74	74.00	-5.26	Peak	
4	2483.5000	43.80	7.28	51.08	54.00	-2.92	AVG	
5	2485.8000	57.62	7.28	64.90	74.00	-9.10	Peak	
6	2485.8000	44.36	7.28	51.64	54.00	-2.36	AVG	

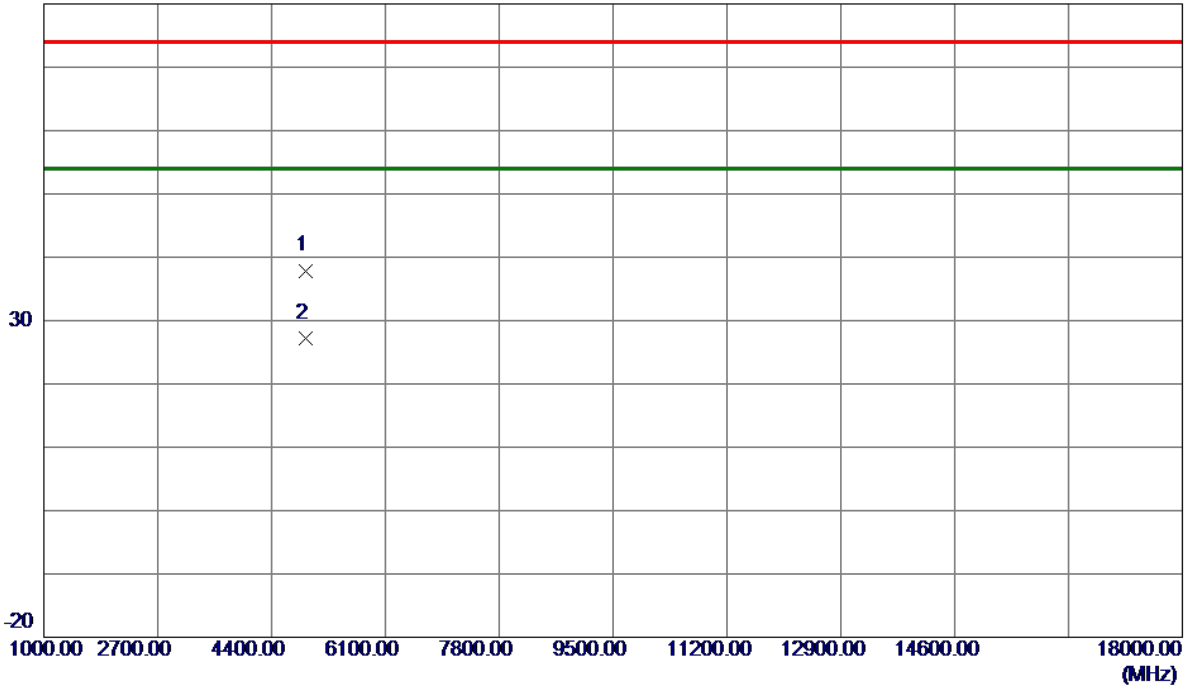
REMARKS:

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

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

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

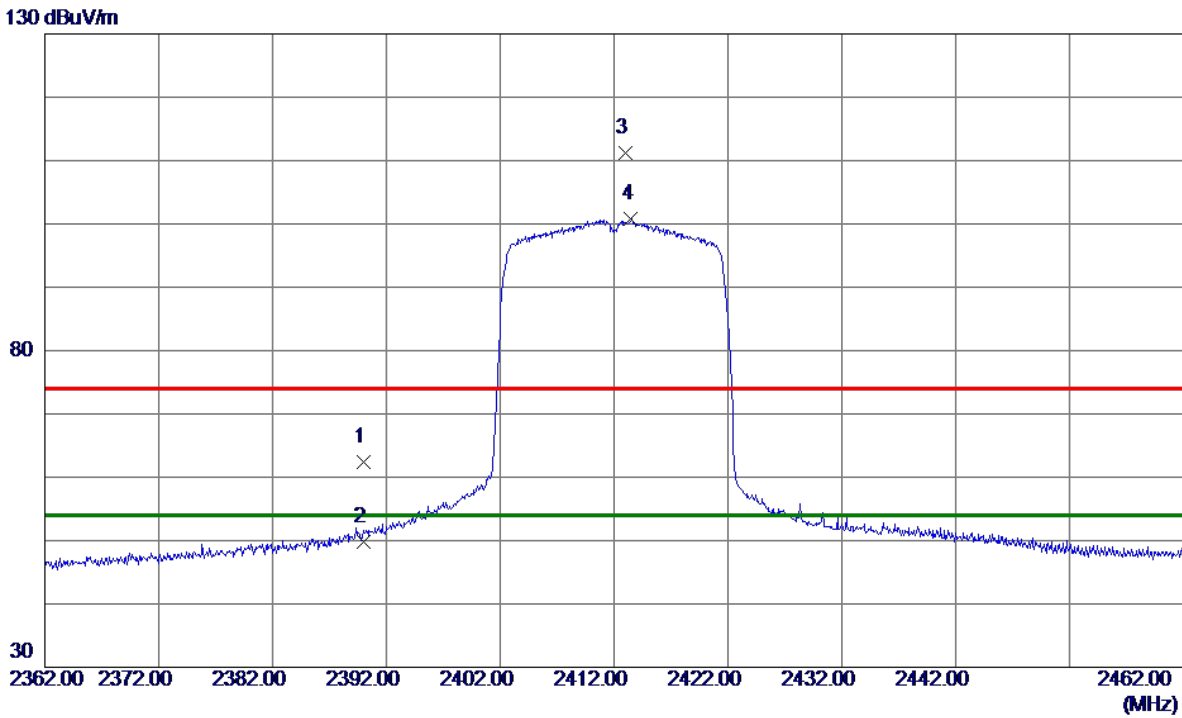


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4906.9100	36.64	1.26	37.90	74.00	-36.10	Peak	
2 *	4908.3650	25.85	1.27	27.12	54.00	-26.88	AVG	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	Vertical
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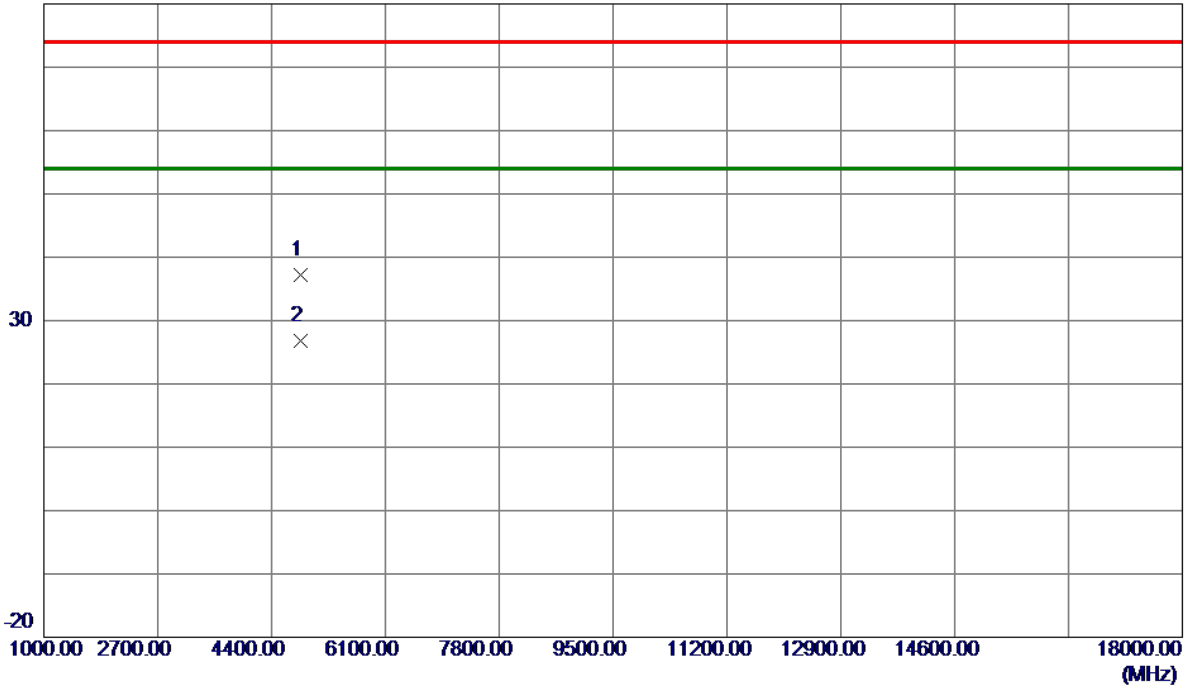
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	55.18	7.22	62.40	74.00	-11.60	Peak	
2	2390.0000	42.54	7.22	49.76	54.00	-4.24	AVG	
3	2413.0000	103.98	7.24	111.22	74.00	37.22	Peak	No Limit
4 *	2413.5000	93.47	7.24	100.71	54.00	46.71	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

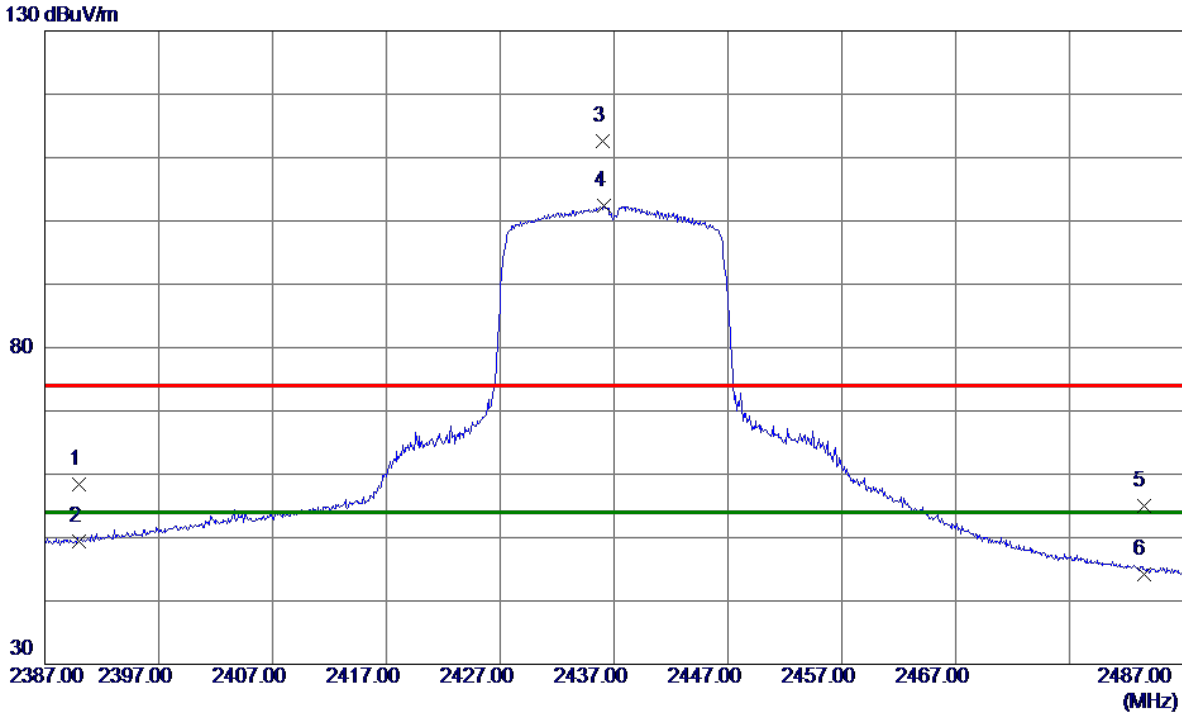


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4826.2350	36.16	1.07	37.23	74.00	-36.77	Peak	
2 *	4827.8300	25.81	1.07	26.88	54.00	-27.12	AVG	

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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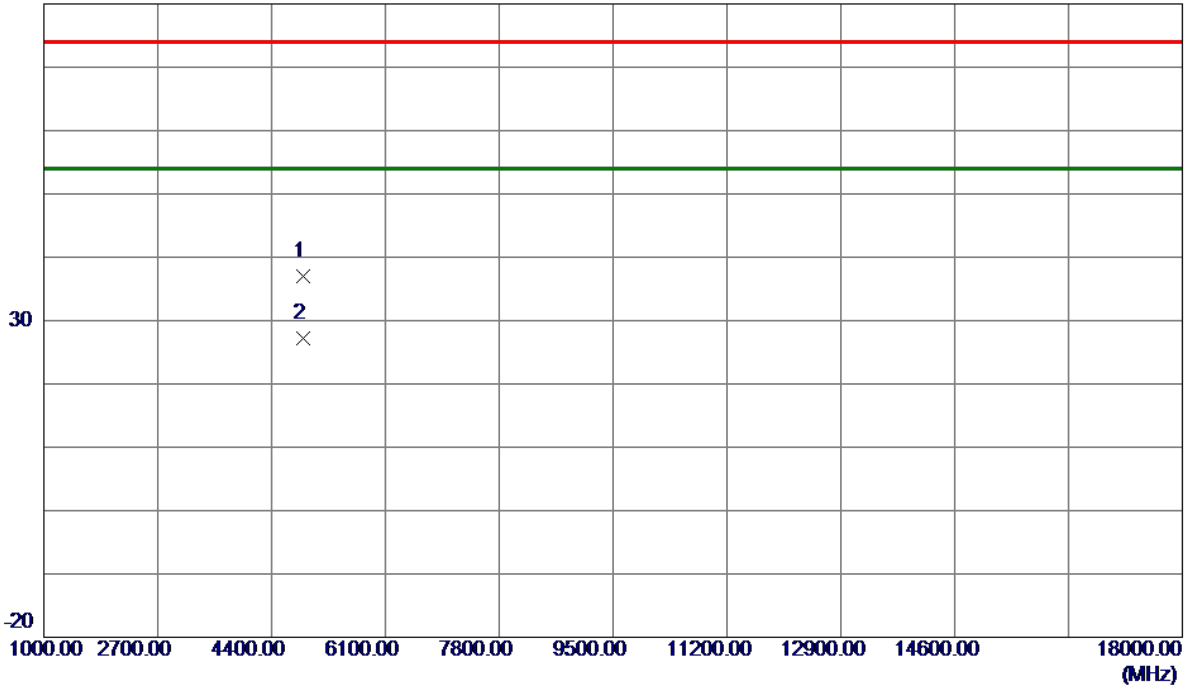
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	51.22	7.22	58.44	74.00	-15.56	Peak	
2	2390.0000	42.26	7.22	49.48	54.00	-4.52	AVG	
3	2436.0500	105.41	7.25	112.66	74.00	38.66	Peak	No Limit
4 *	2436.1000	95.13	7.25	102.38	54.00	48.38	AVG	No Limit
5	2483.5000	47.71	7.28	54.99	74.00	-19.01	Peak	
6	2483.5000	36.94	7.28	44.22	54.00	-9.78	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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80 dBuV/m

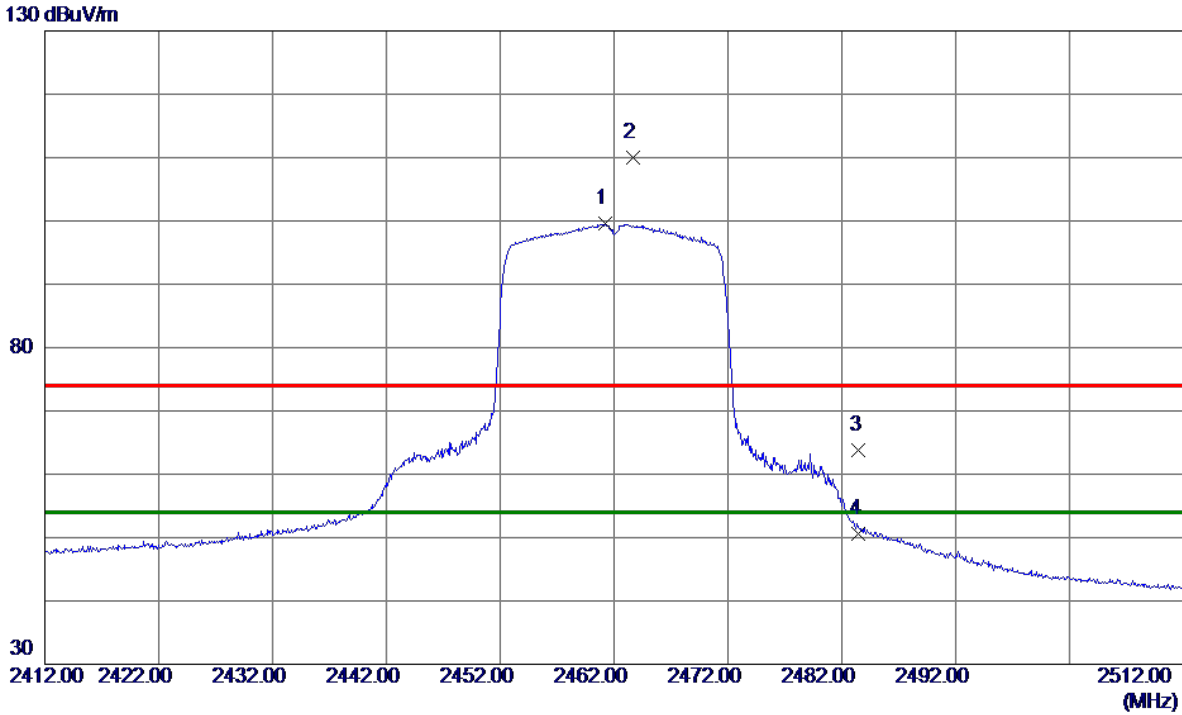


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4874.1349	35.91	1.18	37.09	74.00	-36.91	Peak	
2 *	4874.8750	26.10	1.19	27.29	54.00	-26.71	AVG	

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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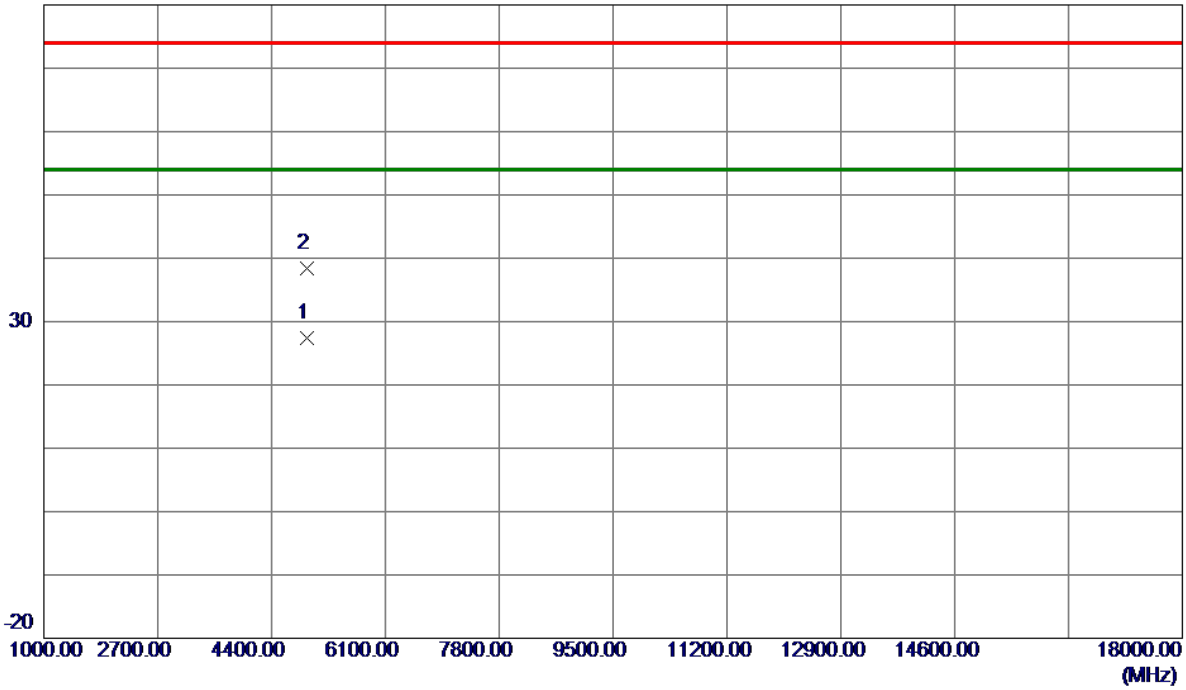
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2461.2500	92.27	7.27	99.54	54.00	45.54	AVG	No Limit
2	2463.7000	102.81	7.27	110.08	74.00	36.08	Peak	No Limit
3	2483.5000	56.51	7.28	63.79	74.00	-10.21	Peak	
4	2483.5000	43.25	7.28	50.53	54.00	-3.47	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

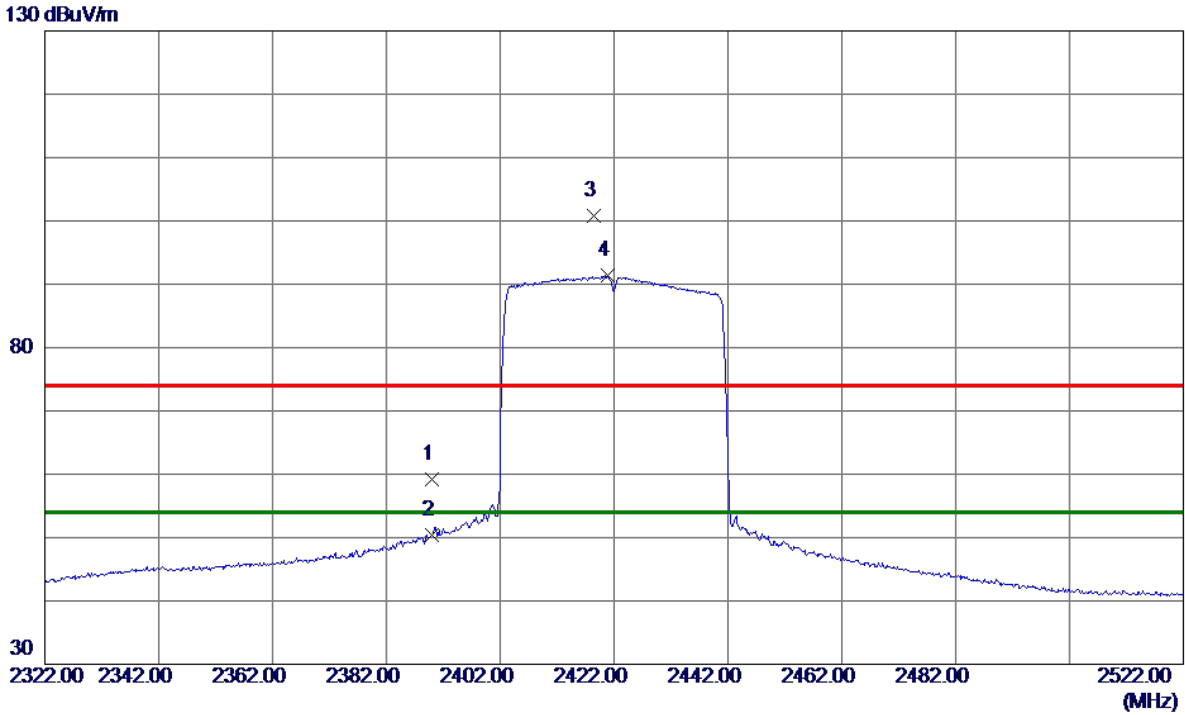


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4919.6750	26.19	1.29	27.48	54.00	-26.52	AVG	
2	4926.5000	37.02	1.31	38.33	74.00	-35.67	Peak	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2422 MHz	Polarization	Vertical
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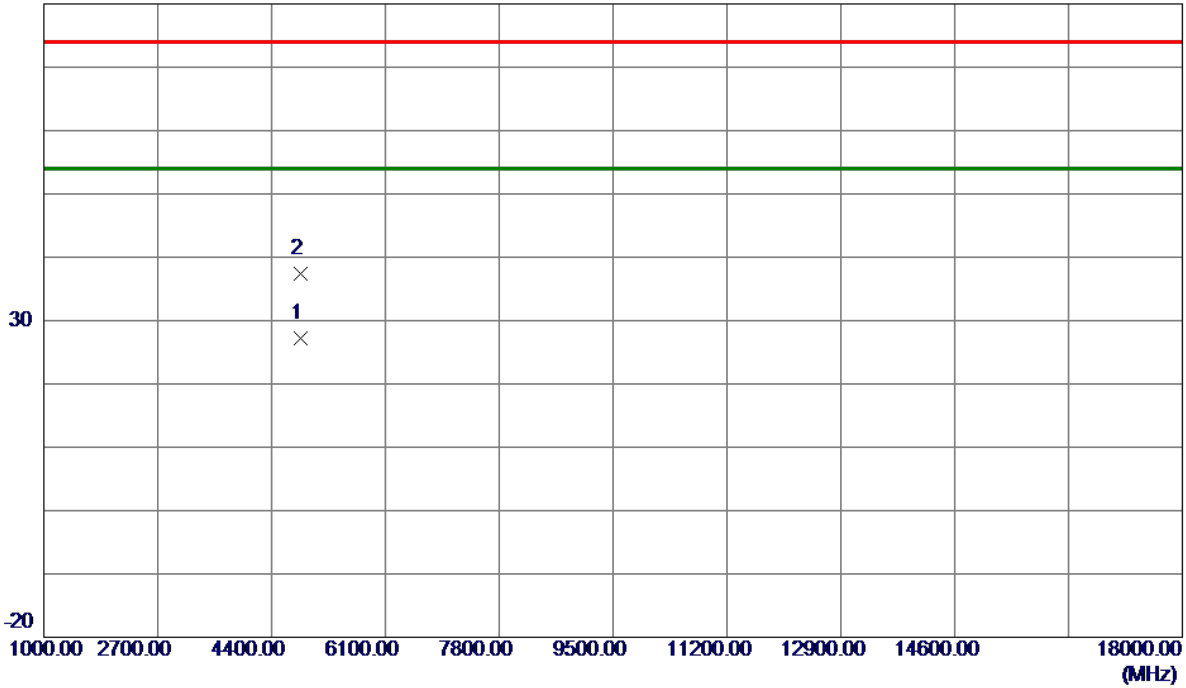
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	52.04	7.22	59.26	74.00	-14.74	Peak	
2	2390.0000	43.23	7.22	50.45	54.00	-3.55	AVG	
3	2418.5000	93.49	7.24	100.73	74.00	26.73	Peak	No Limit
4 *	2420.9000	84.11	7.24	91.35	54.00	37.35	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

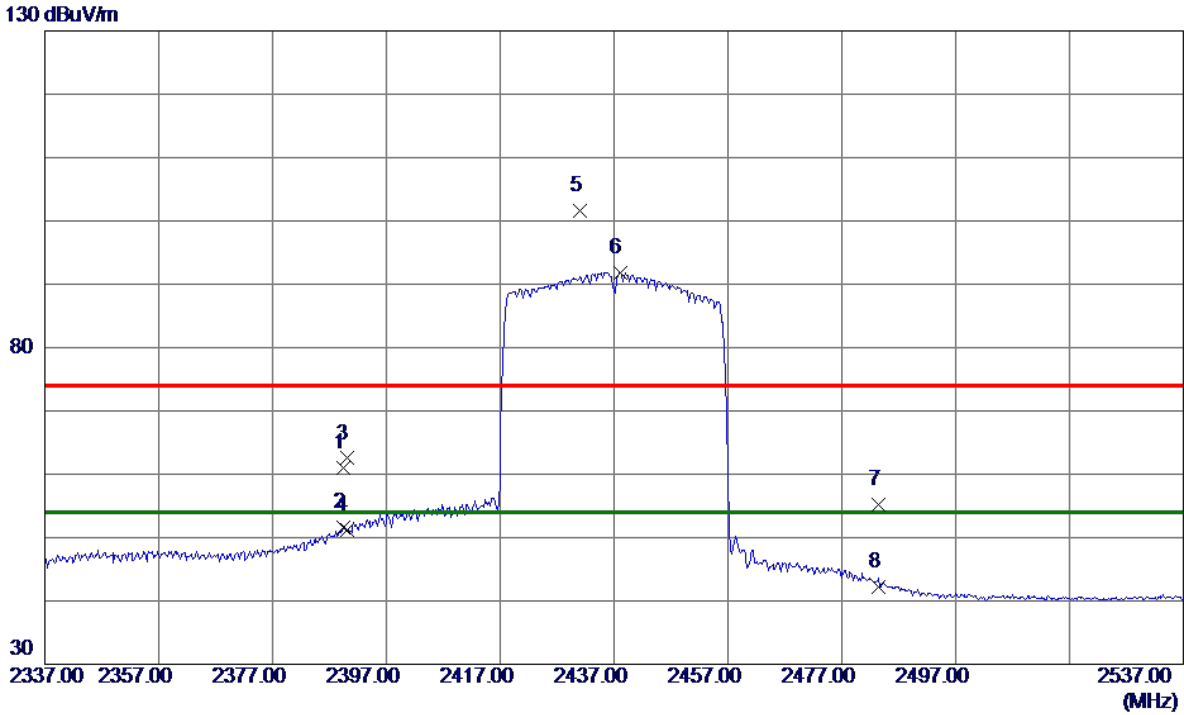


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4841.1900	26.16	1.10	27.26	54.00	-26.74	AVG	
2	4841.3550	36.30	1.10	37.40	74.00	-36.60	Peak	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2437 MHz	Polarization	Vertical
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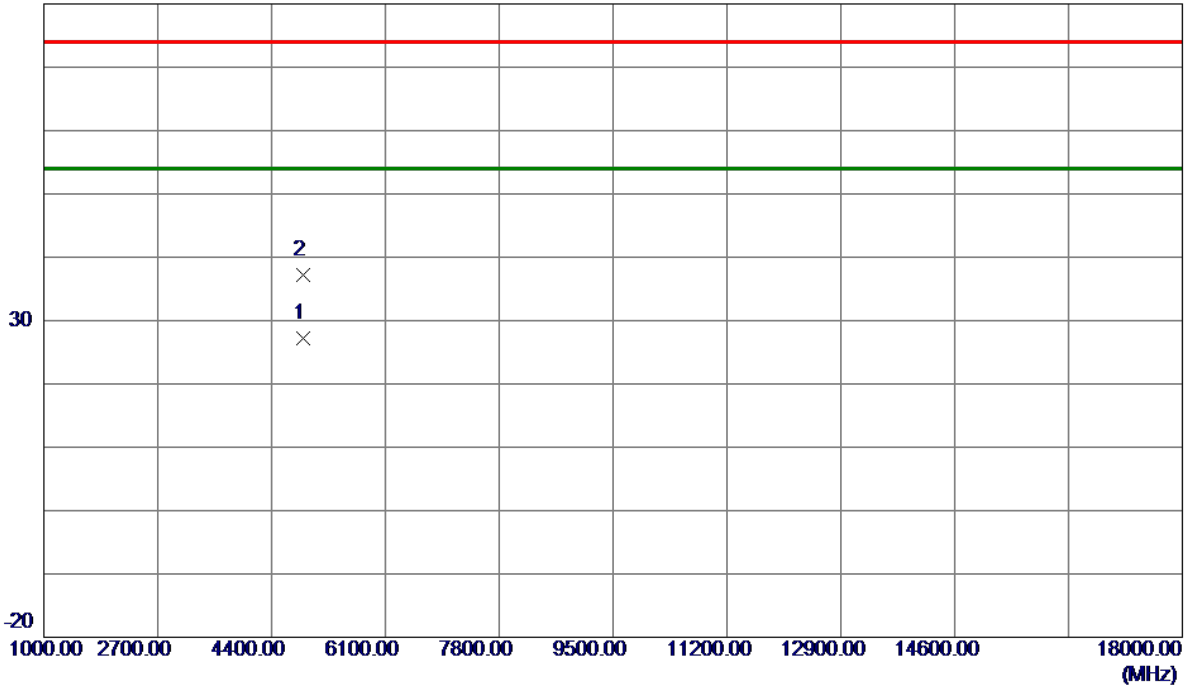
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2389.5000	53.69	7.22	60.91	74.00	-13.09	Peak	
2	2389.5000	44.47	7.22	51.69	54.00	-2.31	AVG	
3	2390.0000	55.28	7.22	62.50	74.00	-11.50	Peak	
4	2390.0000	43.90	7.22	51.12	54.00	-2.88	AVG	
5	2431.0000	94.36	7.25	101.61	74.00	27.61	Peak	No Limit
6 *	2438.0000	84.64	7.25	91.89	54.00	37.89	AVG	No Limit
7	2483.5000	47.88	7.28	55.16	74.00	-18.84	Peak	
8	2483.5000	34.91	7.28	42.19	54.00	-11.81	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

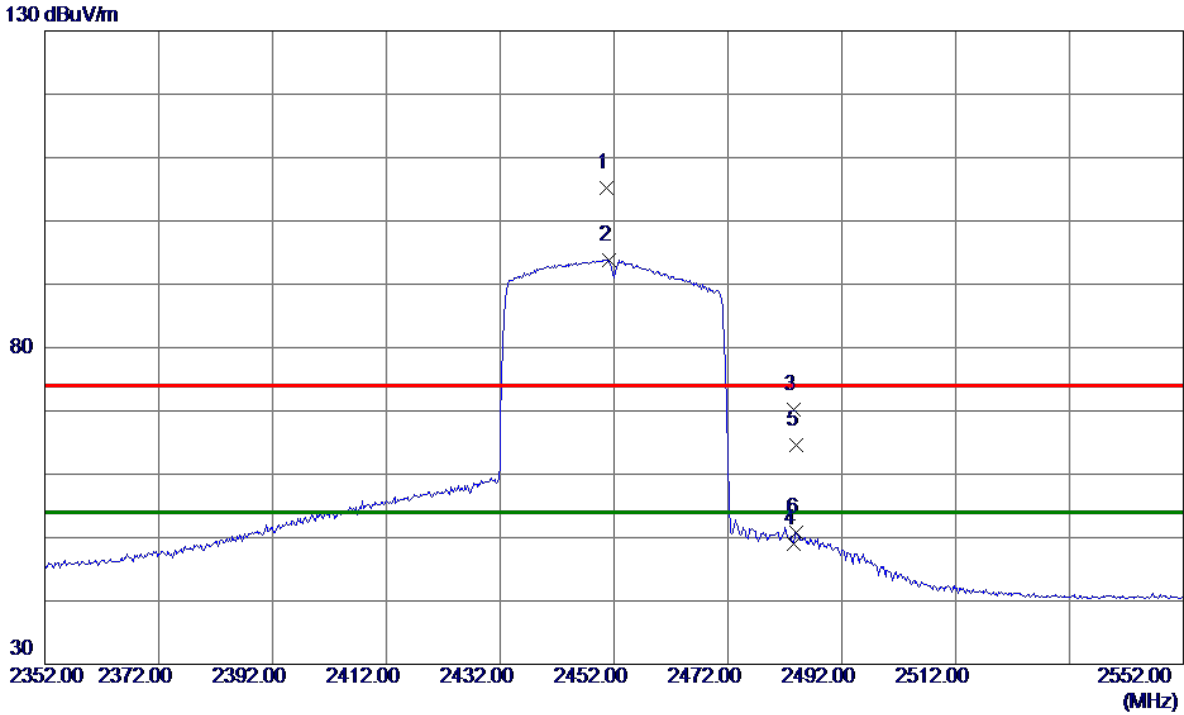


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4870.3100	26.00	1.17	27.17	54.00	-26.83	AVG	
2	4876.4550	35.92	1.19	37.11	74.00	-36.89	Peak	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2452 MHz	Polarization	Vertical
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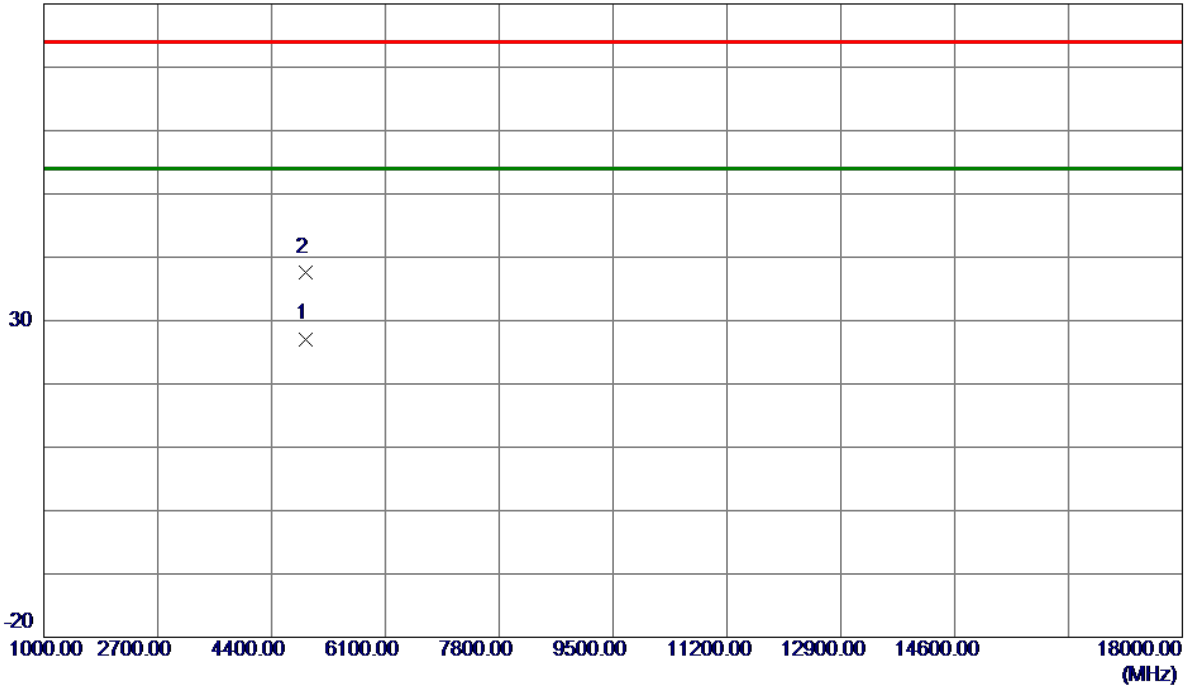
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2450.7000	97.89	7.26	105.15	74.00	31.15	Peak	No Limit
2 *	2451.1000	86.56	7.26	93.82	54.00	39.82	AVG	No Limit
3	2483.5000	62.88	7.28	70.16	74.00	-3.84	Peak	
4	2483.5000	41.70	7.28	48.98	54.00	-5.02	AVG	
5	2484.1000	57.35	7.28	64.63	74.00	-9.37	Peak	
6	2484.1000	43.44	7.28	50.72	54.00	-3.28	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

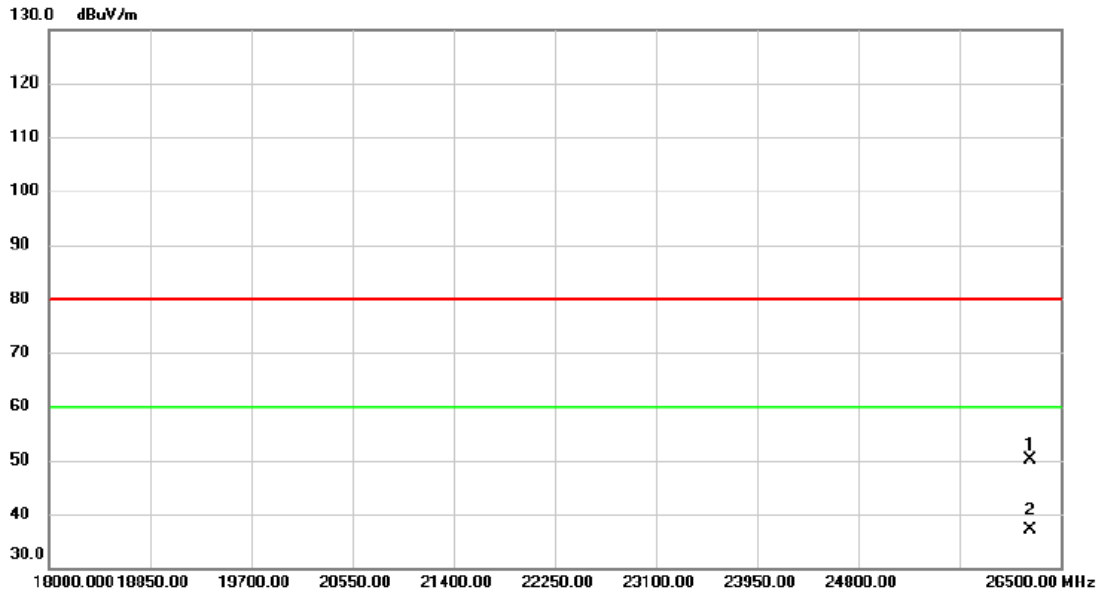


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4906.9600	25.84	1.26	27.10	54.00	-26.90	AVG	
2	4907.7000	36.41	1.27	37.68	74.00	-36.32	Peak	

REMARKS:

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

Test Mode	TX G Mode 2437 MHz	Polarization	Vertical
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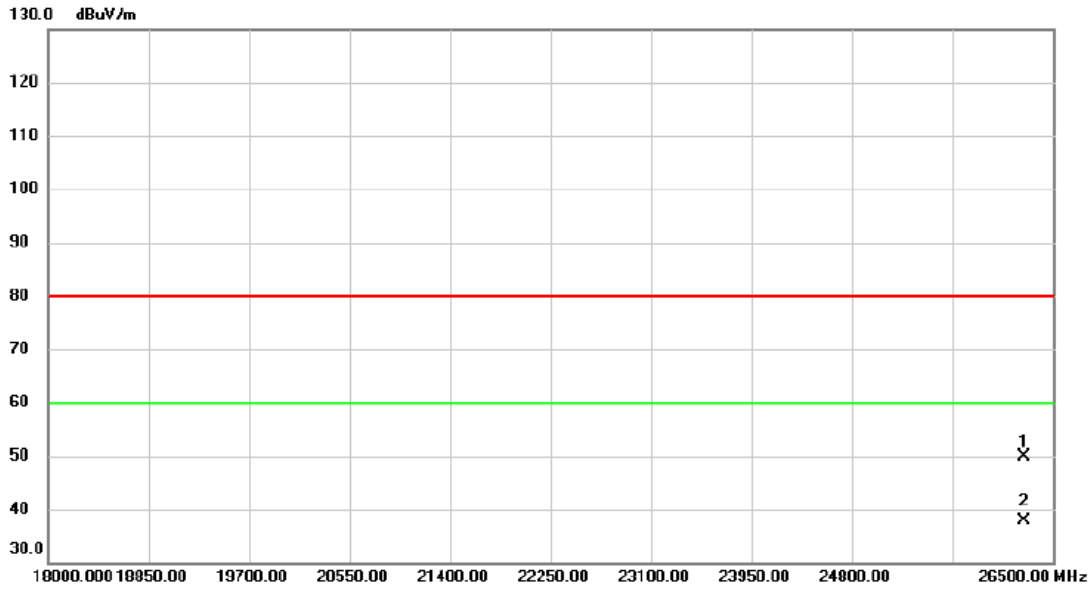


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		26245.00	39.83	10.36	50.19	80.00	-29.81	peak	
2	*	26245.00	26.86	10.36	37.22	60.00	-22.78	AVG	

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.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		26257.75	39.51	10.35	49.86	80.00	-30.14	peak	
2	*	26257.75	27.63	10.35	37.98	60.00	-22.02	AVG	

REMARKS:

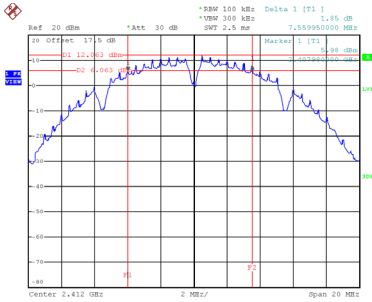
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

Test Mode TX B Mode

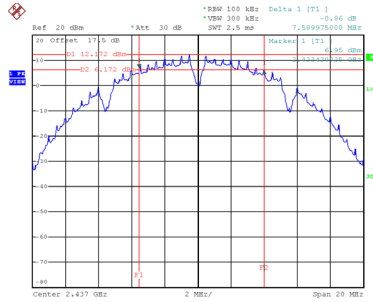
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	7.560	12.880	0.5	Complies
06	2437	7.590	12.880	0.5	Complies
11	2462	7.590	12.800	0.5	Complies

CH01



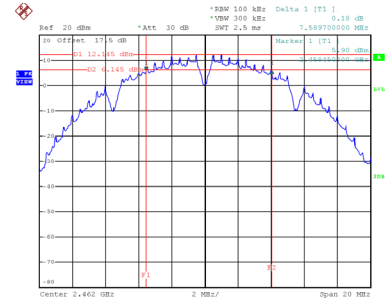
Date: 31.JAN.2024 09:24:50

CH06
6 dB Bandwidth



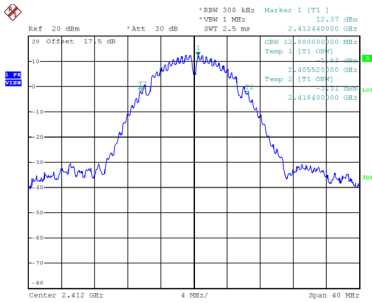
Date: 31.JAN.2024 09:26:44

CH11

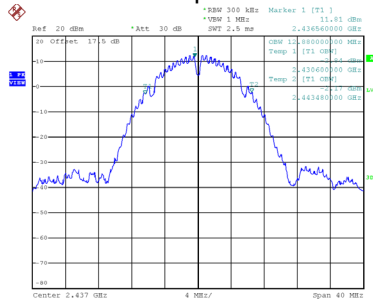


Date: 31.JAN.2024 09:28:53

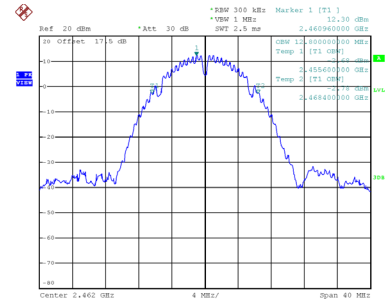
99 % Occupied Bandwidth



Date: 31.JAN.2024 09:24:58



Date: 31.JAN.2024 09:26:53

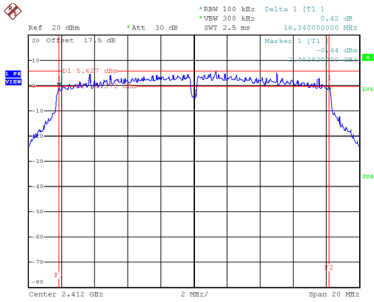


Date: 31.JAN.2024 09:28:42

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	16.340	16.640	0.5	Complies
06	2437	16.350	17.440	0.5	Complies
11	2462	16.340	17.520	0.5	Complies

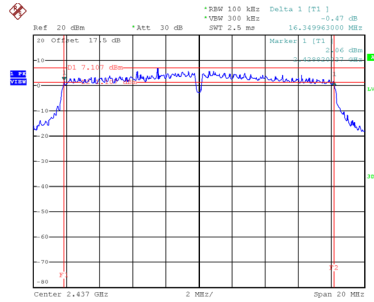
CH01



Date: 31.JAN.2024 09:31:27

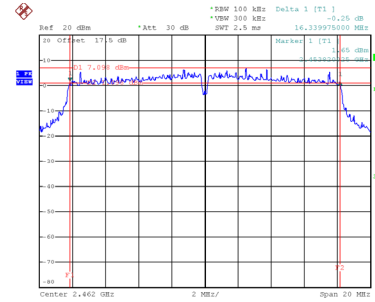
CH06

6 dB Bandwidth



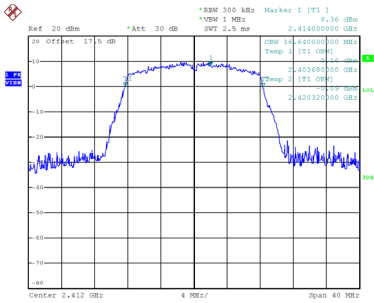
Date: 31.JAN.2024 09:33:01

CH11

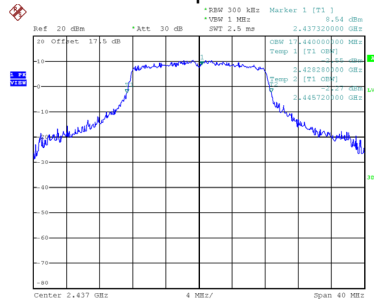


Date: 31.JAN.2024 09:34:35

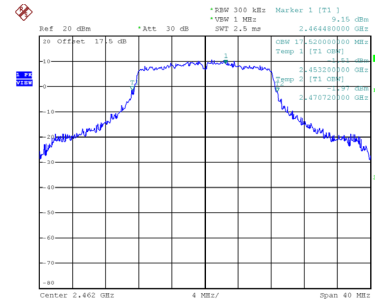
99 % Occupied Bandwidth



Date: 31.JAN.2024 09:31:36



Date: 31.JAN.2024 09:33:09

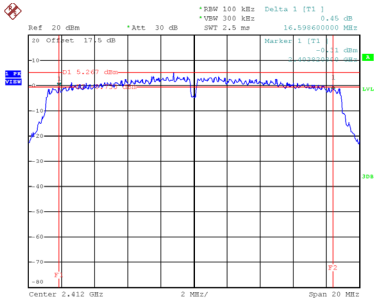


Date: 31.JAN.2024 09:34:44

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	16.599	17.760	0.5	Complies
06	2437	17.340	18.560	0.5	Complies
11	2462	15.720	18.560	0.5	Complies

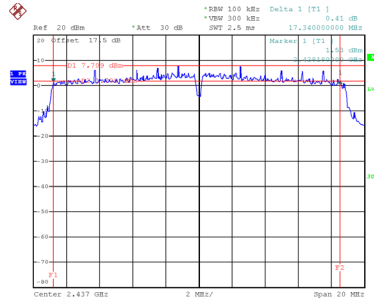
CH01



Date: 31.JAN.2024 09:37:07

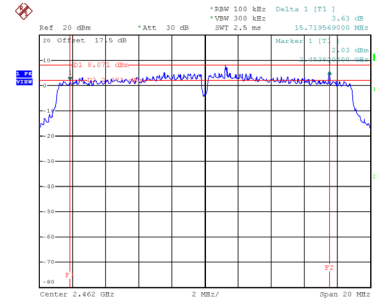
CH06

6 dB Bandwidth



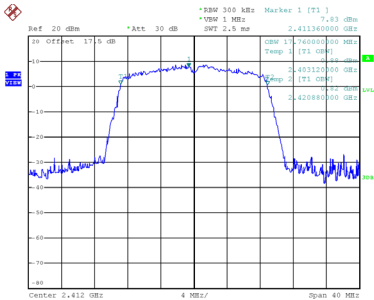
Date: 31.JAN.2024 09:38:44

CH11

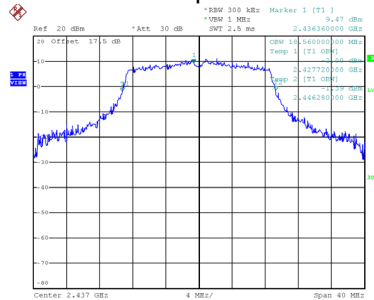


Date: 31.JAN.2024 09:40:18

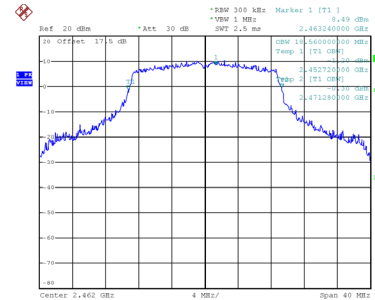
99 % Occupied Bandwidth



Date: 31.JAN.2024 09:37:16



Date: 31.JAN.2024 09:38:53

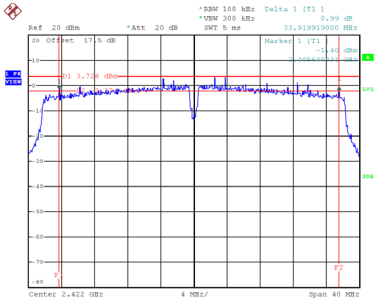


Date: 31.JAN.2024 09:40:27

Test Mode	TX N(HT40) Mode
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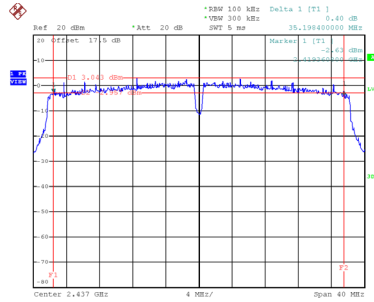
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	33.920	36.320	0.5	Complies
06	2437	35.198	36.320	0.5	Complies
09	2452	34.320	36.640	0.5	Complies

CH03



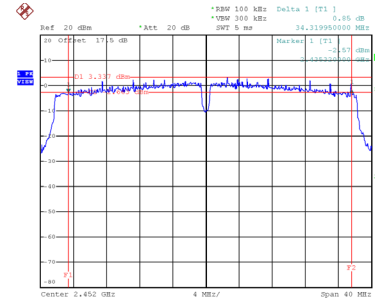
Date: 31.JAN.2024 09:43:42

CH06



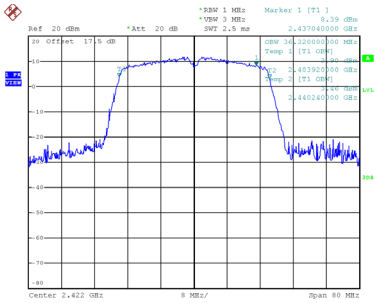
Date: 31.JAN.2024 09:45:18

CH09

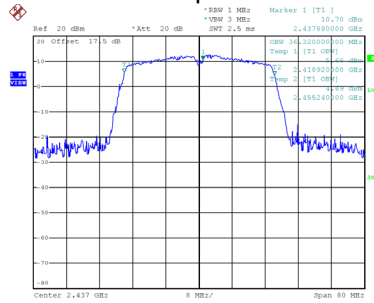


Date: 31.JAN.2024 09:46:53

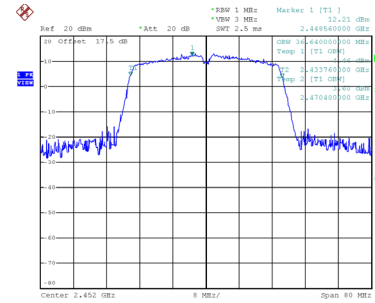
99 % Occupied Bandwidth



Date: 31.JAN.2024 09:43:51



Date: 31.JAN.2024 09:45:27

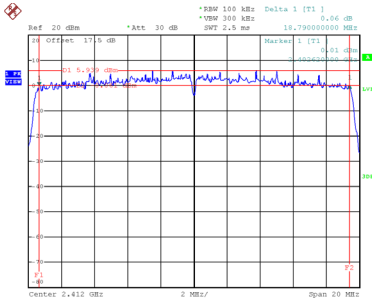


Date: 31.JAN.2024 09:47:02

Test Mode	TX AX(HE20) Mode
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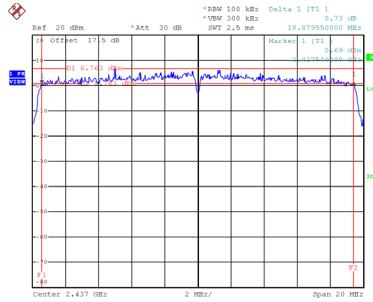
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	18.790	18.880	0.5	Complies
06	2437	18.880	19.120	0.5	Complies
11	2462	18.870	19.120	0.5	Complies

CH01



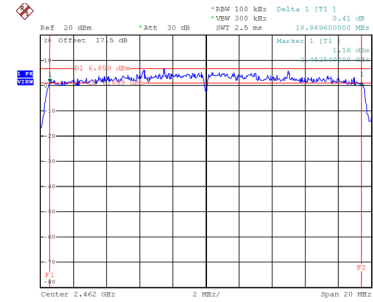
Date: 31.JAN.2024 09:56:19

CH06
6 dB Bandwidth



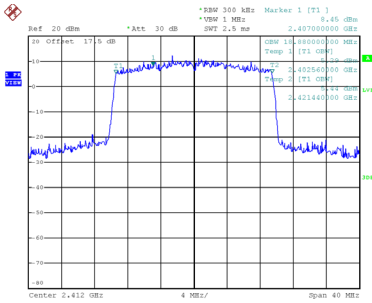
Date: 31.JAN.2024 09:57:47

CH11

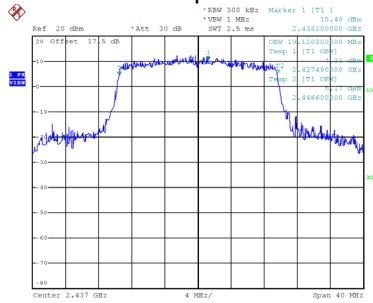


Date: 31.JAN.2024 09:59:42

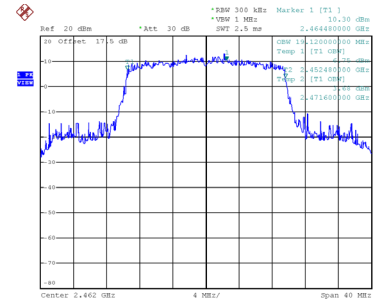
99 % Occupied Bandwidth



Date: 31.JAN.2024 09:56:28



Date: 31.JAN.2024 09:57:55

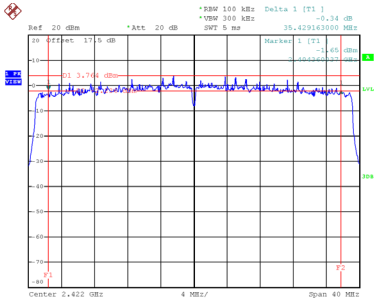


Date: 31.JAN.2024 09:59:51

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	35.429	37.920	0.5	Complies
06	2437	37.880	37.920	0.5	Complies
09	2452	35.919	37.920	0.5	Complies

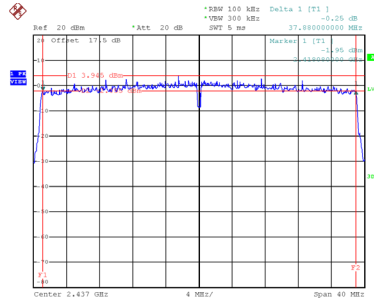
CH03



Date: 31.JAN.2024 10:05:22

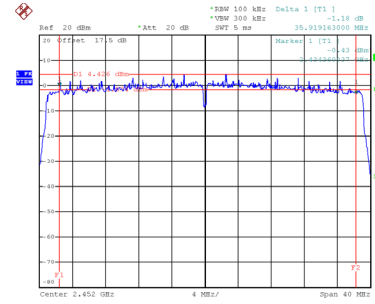
CH06

6 dB Bandwidth



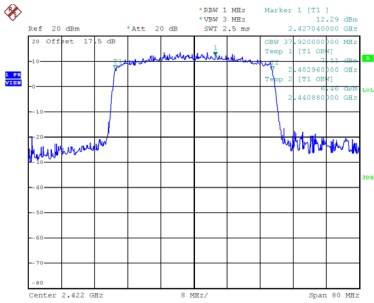
Date: 31.JAN.2024 10:06:53

CH09

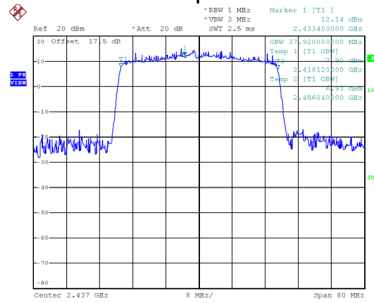


Date: 31.JAN.2024 10:08:22

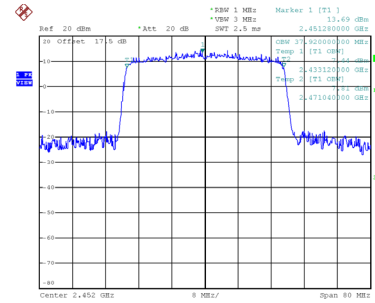
99 % Occupied Bandwidth



Date: 31.JAN.2024 10:05:30



Date: 31.JAN.2024 10:07:01



Date: 31.JAN.2024 10:08:30

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	11.20	0.19	11.39	30.00	1.0000	Complies
06	2437	10.88	0.19	11.07	30.00	1.0000	Complies
11	2462	11.18	0.19	11.37	30.00	1.0000	Complies

Test Mode	TX B Mode_Ant. 2
-----------	------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	10.81	0.19	11.00	30.00	1.0000	Complies
06	2437	11.05	0.19	11.24	30.00	1.0000	Complies
11	2462	11.20	0.19	11.39	30.00	1.0000	Complies

Test Mode	TX B Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	14.21	30.00	1.0000	Complies
06	2437	14.16	30.00	1.0000	Complies
11	2462	14.39	30.00	1.0000	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	12.16	0.48	12.64	30.00	1.0000	Complies
06	2437	14.26	0.48	14.74	30.00	1.0000	Complies
11	2462	14.06	0.48	14.54	30.00	1.0000	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	13.68	0.48	14.16	30.00	1.0000	Complies
06	2437	12.28	0.48	12.76	30.00	1.0000	Complies
11	2462	12.12	0.48	12.60	30.00	1.0000	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	16.48	30.00	1.0000	Complies
06	2437	16.88	30.00	1.0000	Complies
11	2462	16.69	30.00	1.0000	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	10.94	0.48	11.42	30.00	1.0000	Complies
06	2437	10.97	0.48	11.45	30.00	1.0000	Complies
11	2462	11.02	0.48	11.50	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Ant. 2
-----------	------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	12.07	0.48	12.55	30.00	1.0000	Complies
06	2437	12.36	0.48	12.84	30.00	1.0000	Complies
11	2462	12.71	0.48	13.19	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Total
-----------	-----------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	15.03	30.00	1.0000	Complies
06	2437	15.21	30.00	1.0000	Complies
11	2462	15.44	30.00	1.0000	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	11.02	0.94	11.96	30.00	1.0000	Complies
06	2437	11.63	0.94	12.57	30.00	1.0000	Complies
09	2452	11.15	0.94	12.09	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Ant. 2
-----------	------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	11.97	0.94	12.91	30.00	1.0000	Complies
06	2437	10.44	0.94	11.38	30.00	1.0000	Complies
09	2452	11.38	0.94	12.32	30.00	1.0000	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	15.47	30.00	1.0000	Complies
06	2437	15.03	30.00	1.0000	Complies
09	2452	15.22	30.00	1.0000	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	12.15	0.65	12.80	30.00	1.0000	Complies
06	2437	11.39	0.65	12.04	30.00	1.0000	Complies
11	2462	12.35	0.65	13.00	30.00	1.0000	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	11.40	0.65	12.05	30.00	1.0000	Complies
06	2437	12.17	0.65	12.82	30.00	1.0000	Complies
11	2462	11.18	0.65	11.83	30.00	1.0000	Complies

Test Mode	TX AX(HE20) Mode_Total
-----------	------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	15.45	30.00	1.0000	Complies
06	2437	15.46	30.00	1.0000	Complies
11	2462	15.46	30.00	1.0000	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	11.04	1.21	12.25	30.00	1.0000	Complies
06	2437	10.66	1.21	11.87	30.00	1.0000	Complies
09	2452	11.55	1.21	12.76	30.00	1.0000	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	10.95	1.21	12.16	30.00	1.0000	Complies
06	2437	11.26	1.21	12.47	30.00	1.0000	Complies
09	2452	10.84	1.21	12.05	30.00	1.0000	Complies

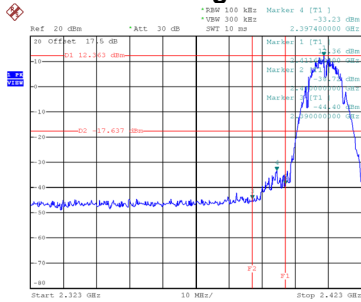
Test Mode	TX AX(HE40) Mode_Total
-----------	------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	15.21	30.00	1.0000	Complies
06	2437	15.19	30.00	1.0000	Complies
09	2452	15.43	30.00	1.0000	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

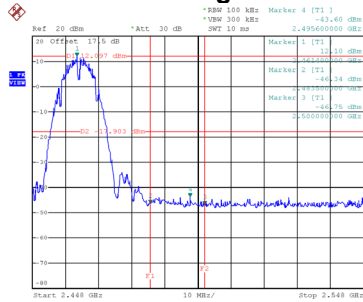
Test Mode TX B Mode_Ant. 1

Bandedge-CH01



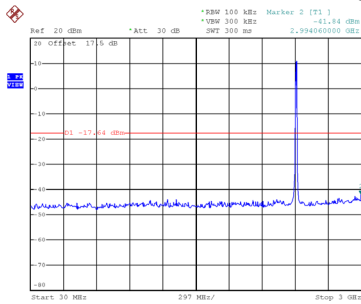
Date: 31.JAN.2024 09:25:08

Bandedge-CH11

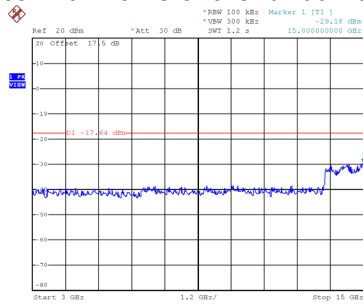


Date: 31.JAN.2024 09:28:51

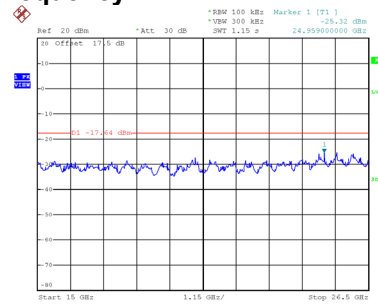
CH01 – 10th Harmonic of the fundamental frequency



Date: 31.JAN.2024 09:25:23

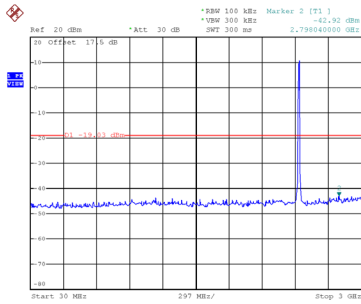


Date: 31.JAN.2024 09:25:32

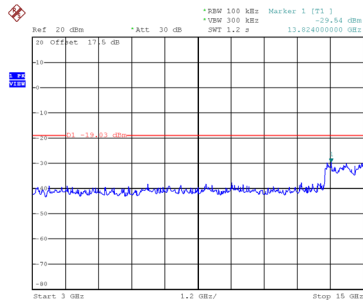


Date: 31.JAN.2024 09:25:41

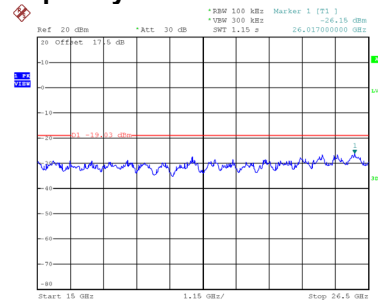
CH06 – 10th Harmonic of the fundamental frequency



Date: 31.JAN.2024 09:27:17

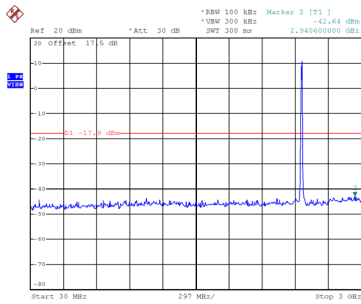


Date: 31.JAN.2024 09:27:26

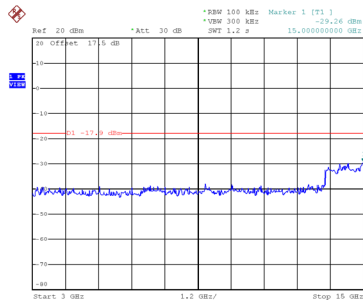


Date: 31.JAN.2024 09:27:36

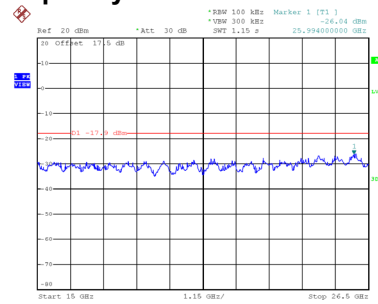
CH11 – 10th Harmonic of the fundamental frequency



Date: 31.JAN.2024 09:29:06



Date: 31.JAN.2024 09:29:16



Date: 31.JAN.2024 09:29:25