



FCC Radio Test Report

FCC ID: 2A3MAF2

This report concerns: Original Grant

Project No. : 2508C412
Equipment : Smart LED Flood Light
Brand Name : N/A
Model Name : F2-30, F2-50
Applicant : LEPRO INNOVATION INC
Address : 3651 Lindell Road Suite D1048, Las Vegas, NV 89103, USA
Manufacturer : LEPRO INNOVATION INC
Address : 3651 Lindell Road Suite D1048, Las Vegas, NV 89103, USA
Factory : ZOPOISE TECHNOLOGY (ZHUZHOU) CO., LTD
Address : Xinma Industrial Park, Tianyuan District, Zhuzhou City, Hunan Province, China.
Date of Receipt : Aug. 14, 2025
Date of Test : Aug. 15, 2025 ~ Oct. 30, 2025
Issued Date : Dec. 17, 2025
Test Sample : Engineering Sample No.: DG920250814111 for AC Power Line Conducted and Radiated 9 kHz to 30 MHz and Radiated Above 1800 MHz, DG920250814112 for Radiated 30 MHz to 18GHz, DG920250814113 for others.
Standard(s) : FCC CFR Title 47, Part 15, Subpart C

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

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Declaration

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

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

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

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

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

Limitation

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

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

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2508C412	R00	Original Report.	Nov. 28, 2025	Invalid
BTL-FCCP-2-2508C412	R01	This report add 3.2 chapter note(5) description and the 10 chapter test date. It is a revision of the report with serial number BTL-FCCP-2-2508C412 R00. This is a newly released report, replacing the BTL-FCCP-2-2508C412 R00 report.	Dec. 17, 2025	Valid

1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standard:
ANSI C63.10-2020

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

Note:

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

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location

1# For Radiated Emissions 30 MHz to 1000 MHz & 1GHz to 18GHz items: Room 102 & 702, Building A3, No.9, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

2# For other items: No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

BTL's Registration Number for FCC: 747969

BTL's Designation Number for FCC: CN1377

2.2 MEASUREMENT UNCERTAINTY

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

The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U_i (dB)
DGDLC02	CISPR	150kHz ~ 30MHz	1.82

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	U_i (dB)
DGDLCB03	CISPR	9kHz ~ 30MHz	2.26

Test Site	Method	Measurement Frequency Range	U_i (dB)
DGGDCB01 (3m)	CISPR	30MHz ~ 1000MHz	3.88
		1GHz ~ 18GHz	3.98

Test Site	Method	Measurement Frequency Range	U_i (dB)
DGDLCB03 (1m)	CISPR	18 ~ 26.5 GHz	5.46

C. Other Measurement:

Test Item	Uncertainty
Bandwidth	0.75 %
Maximum Output Power	1.3 dB
Conducted Spurious Emission	2.1 dB
Conducted Bandedge Emission	1.7 dB
Power Spectral Density	1.8 dB
Temperature	0.7 °C
Humidity	1.7 %

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

2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	24°C	54%	AC 120V/60Hz	Hayden Chen
Radiated Emissions -9kHz to 30 MHz	22°C	50%	AC 120V/60Hz	Hayden Chen
Radiated Emissions -30MHz to 1000MHz	24°C	38%	AC 120V/60Hz	Lafu Li
Radiated Emissions -Above 1000MHz	24°C	38-53%	AC 120V/60Hz	Lafu Li Calvin Wen
Bandwidth	23°C	53%	DC 5V	Arvin Tong
Maximum Output Power	23°C	53%	AC 120V/60Hz	Corey Liang
Conducted Spurious Emissions	23°C	53%	DC 5V	Arvin Tong
Power Spectral Density	23°C	53%	DC 5V	Arvin Tong

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Smart LED Flood Light
Brand Name	N/A
Test Model	F2-30
Model Name	F2-30, F2-50
Model Difference(s)	30W and 50W. These two models have different numbers of LED modules and different numbers of ICs controlling the LED modules. The RF power supply circuit and RF module are the same.
Hardware Version	V0
Software Version	V0
Power Source	AC Mains
Power Rating	AC 110-130V
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g/n: OFDM
Bit Rate of Transmitter	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 72.2 Mbps
Maximum Output Power	IEEE 802.11b: 14.04 dBm (0.0254 W)

Note:

1. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

2. Channel List:

CH01 - CH11 for IEEE 802.11b, IEEE 802.11g, IEEE 802.11n(HT20)							
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.	Manufacturer	P/N	Antenna Type	Connector	Gain (dBi)
1	Dongguan Yichangda Electronics Co., Ltd	YCD-2.4GFPC00 65-002	FPC	N/A	7.46

Note:

1)The output power limit is $30-(7.46-6)=28.54$, the power spectral density limit is $8-(7.46-6)=6.54$.

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 B Mode Channel 01

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 4	TX B Mode Channel 01

Radiated emissions test - Below 1GHz & Above 18 GHz	
Final Test Mode	Description
Mode 4	TX B Mode Channel 01

Radiated emissions test - 1 GHz - 18 GHz	
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

Conducted test	
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

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 IEEE 802.11b Mode Channel 01 is found to be the worst case and recorded.
- (3) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (4) For radiated emission Harmonic 18-26.5GHz test, only tested the worst case and recorded.
- (5) For radiated emission above 1GHz test, both Vertical and Horizontal are evaluated, only the worst polarization is recorded.
- (6) Both models have been verified and the worst case is F2-30 recorded in the report.

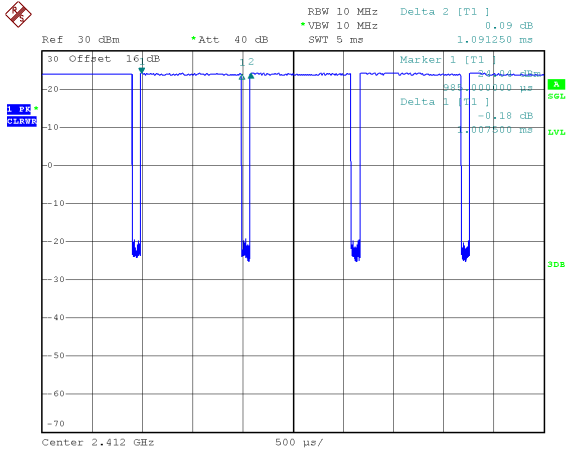
3.3 PARAMETERS OF TEST SOFTWARE

Test Software Version	EspRFTestTool_v3.6_Manual		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	8	8	8
IEEE 802.11g	4	0	12
IEEE 802.11n(HT20)	8	0	6

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.

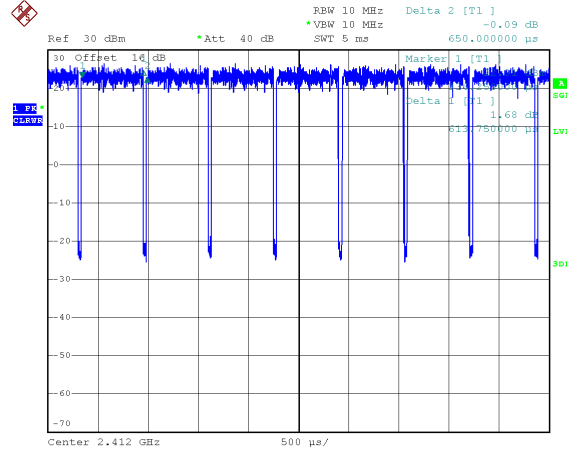
802.11b



Date: 12.SEP.2025 17:57:01

Duty cycle = 1.008 ms / 1.091 ms = 92.39%
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.34 \text{ dB}$

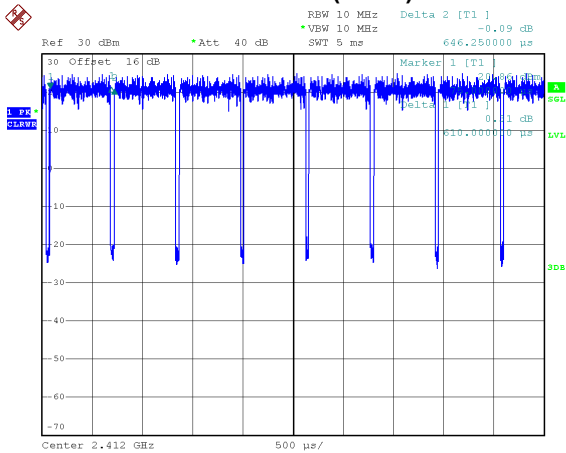
802.11g



Date: 12.SEP.2025 18:38:36

Duty cycle = 0.614 ms / 0.650 ms = 94.46%
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.25 \text{ dB}$

802.11n(HT20)



Date: 12.SEP.2025 18:50:44

Duty cycle = 0.610 ms / 0.646 ms = 94.43%
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.25 \text{ dB}$

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 992 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 1629 Hz.

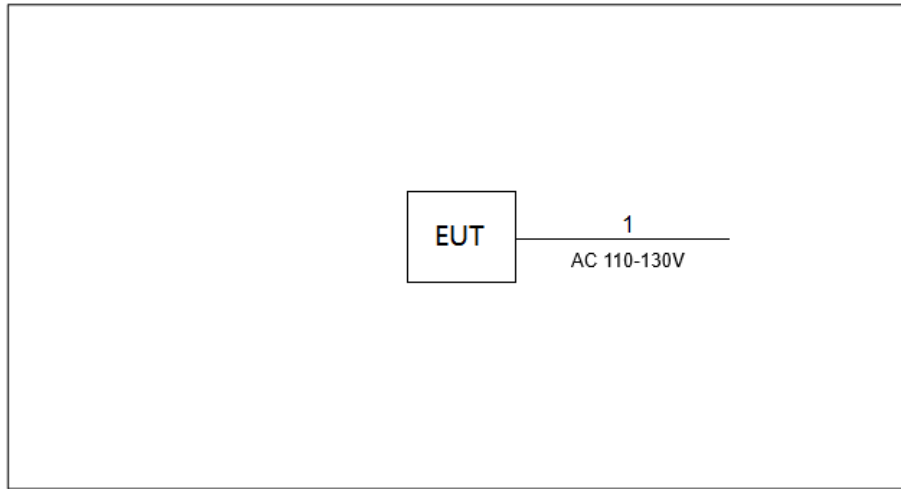
For IEEE 802.11n(HT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1639 Hz.

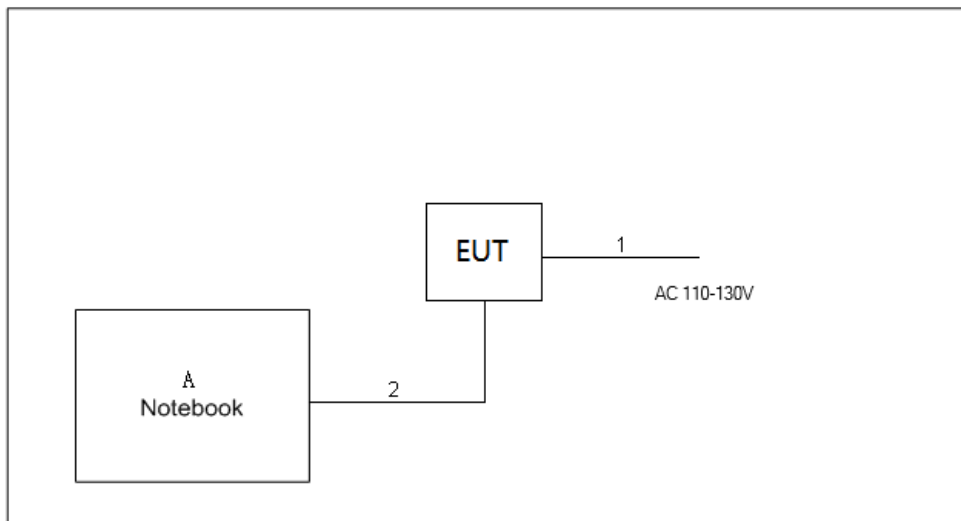
(Remark: The video bandwidth of the spectrum analyzer was set to 1kHz during the test.)

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

For radiated 9kHz-30MHz & AC Power Line Conducted Emissions



For radiated 30MHz-26.5GHz



3.6 SUPPORT UNITS

For radiated 9kHz-30MHz

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

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

For radiated 30MHz-18GHz

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	HP	HP ProBook 450 15.6 inch G9 Notebook PC	N/A

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

For radiated 18GHz-26.5GHz

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	HONOR	Nbl-WAQ9HNRP	N/A

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

3.7 CUSTOMER INFORMATION DESCRIPTION

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

4. AC POWER LINE CONDUCTED EMISSIONS

4.1 LIMIT

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

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)
Margin Level = Measurement Value - Limit Value

4.2 TEST PROCEDURE

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

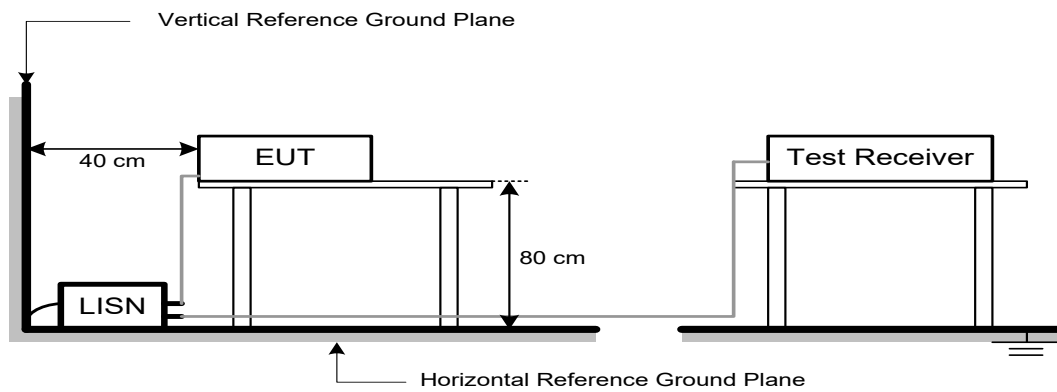
The following table is the setting of the receiver:

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

4.3 DEVIATION FROM TEST STANDARD

No deviation.

4.4 TEST SETUP



4.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS

Please refer to the APPENDIX A.

5. RADIATED EMISSIONS

5.1 LIMIT

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

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

NOTE:

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

(5)

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

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

FS_{limit}: Harmonic at 3m Peak and Average limit.

FS_{max}: Harmonic at 1m Peak and Average Maximum value.

d_{limit}: Harmonic at 3m test distance.

d_{measure}: Harmonic Actual test distance.

5.2 TEST PROCEDURE

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

The following table is the setting of the receiver:

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

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

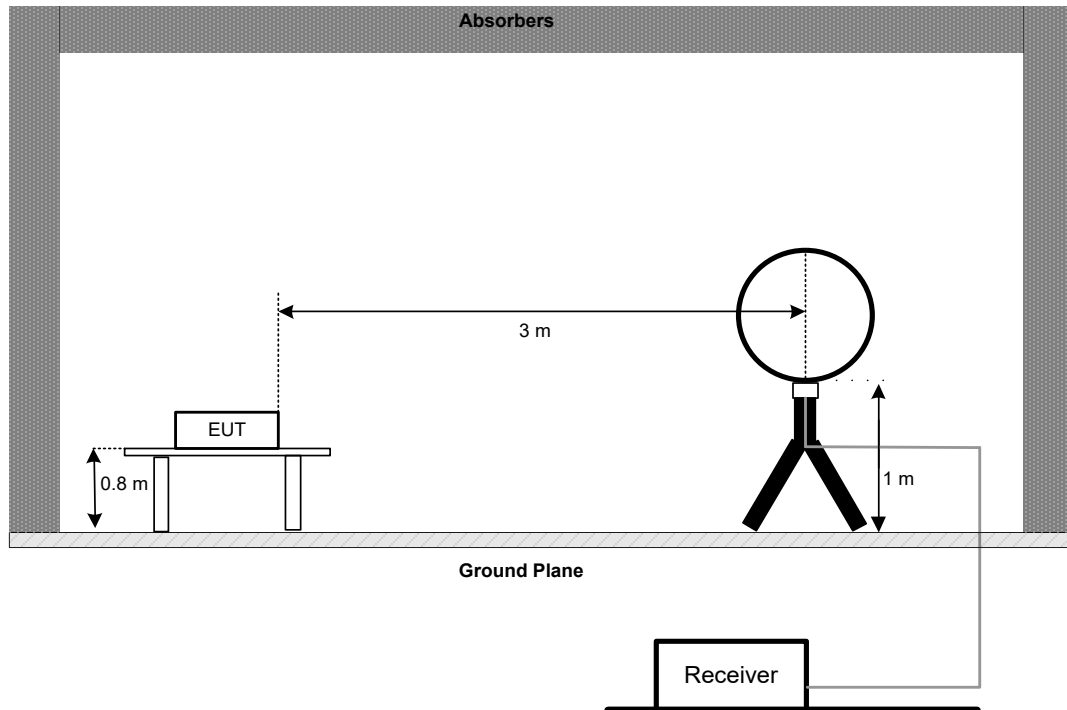
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

5.3 DEVIATION FROM TEST STANDARD

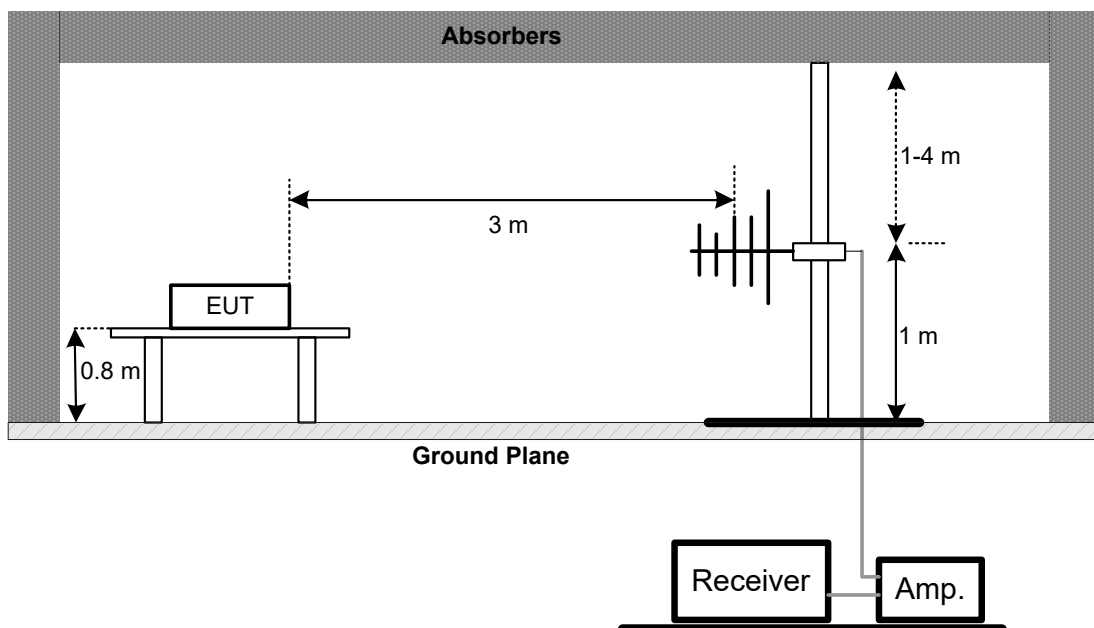
No deviation.

5.4 TEST SETUP

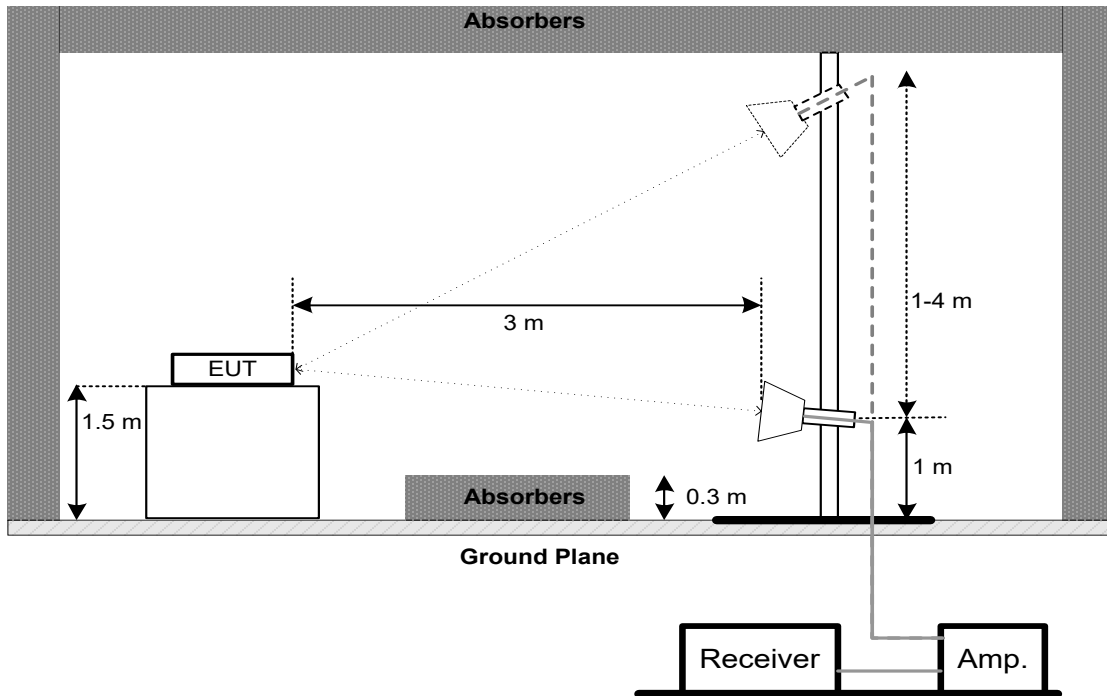
9 kHz to 30 MHz



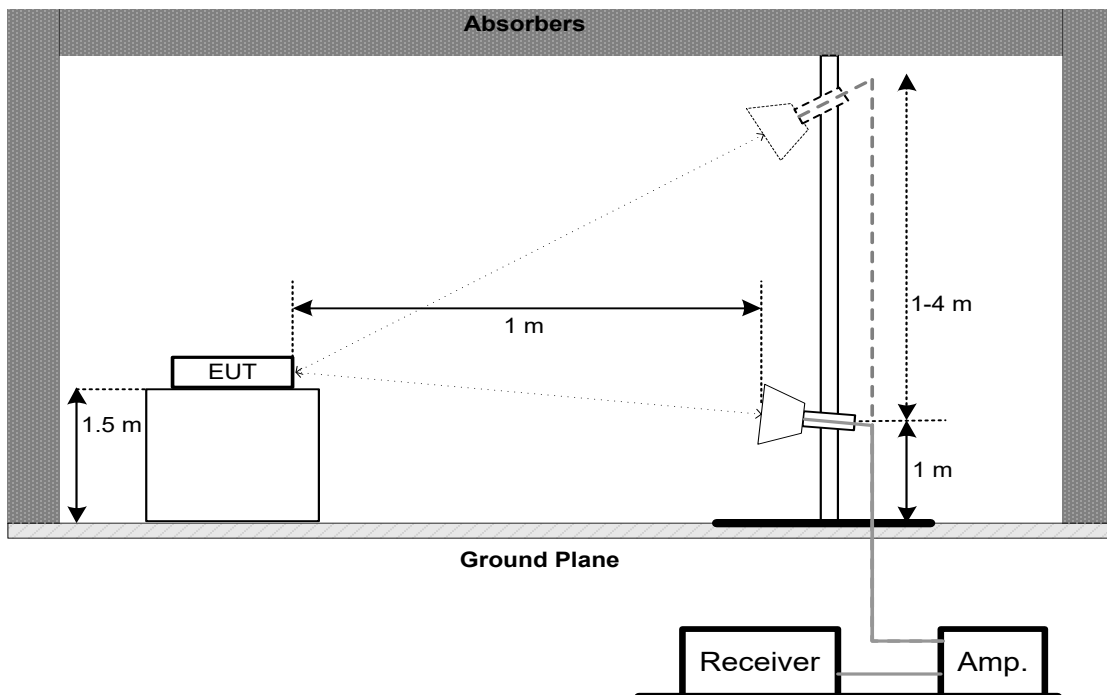
30 MHz to 1 GHz



Above 1 GHz Band edge & Harmonic(1 GHz to 18 GHz)



Harmonic(18 GHz to 26.5 GHz)



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

Remark:

- (1) Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (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	> Measurement Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For 99% Emission Bandwidth:

Spectrum Parameters	Setting
Span	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

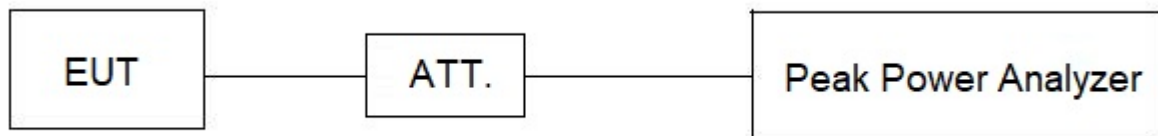
7.2 TEST PROCEDURE

- 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 (for AVG power) of ANSI C63.10-2020

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

- 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 Reference Level:

Spectrum Parameters	Setting
Span	≥ 1.5 times the bandwidth.
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For Emission Level - Band edge:

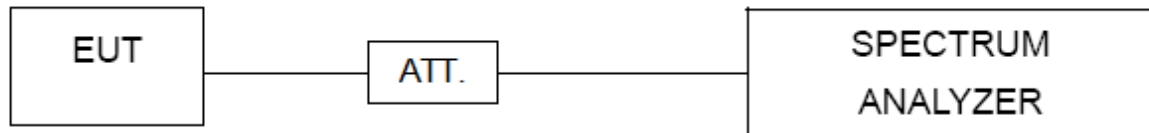
Spectrum Parameters	Setting
Start Frequency	2300 MHz
Stop Frequency	2690 MHz
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For Emission Level - Harmonic:

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

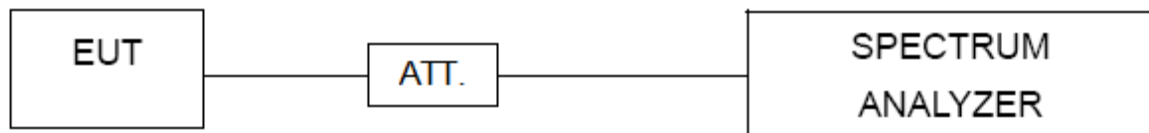
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Span	1.5 times the DTS bandwidth
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 (Test Date: Sep. 18, 2025)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI TEST RECEIVER	R&S	ESCI	100382	Dec. 06, 2025
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Dec. 06, 2025
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M -001	9M	Nov. 11, 2025
5	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz (Test Date: Sep. 12, 2025)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60	00025	Mar. 01, 2026
2	Receiver	Agilent	N9038A	MY52130039	Jan. 10, 2026
3	Cable	RegalWay	LMR400-NMNM-6 m	N/A	Apr. 26, 2026
4	Cable	RegalWay	LMR400-NMRANM -3.5m	N/A	Apr. 26, 2026
5	966 Chamber room	CM	9*6*6	N/A	May 09, 2026

Radiated Emissions - 30 MHz to 1 GHz (Test Date: Sep. 12, 2025)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna		VULB 9168	01381	Sep. 26, 2025
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06009	Sep. 26, 2025
3	Preamplifier	EMC INSTRUMENT	EMC001330	980863	May 28, 2026
4	Cable	EMC INSTRUMENT	EMCCFD400-NM-N M-2500	N/A	Jun. 12, 2026
5	Cable	RegalWay	LMR400-NMNM-7 m	N/A	Jun. 12, 2026
6	Cable	EMC INSTRUMENT	EMCCFD400-NM-N M-3000	N/A	Jun. 12, 2026
7	Positioning Controller	MF	MF-7802	N/A	N/A
8	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
9	MXE EMI Receiver	KEYSIGHT	N9038B	MY62210123	Oct. 29, 2025
10	966 Chamber room	Tai He	9*6*6 (NSA&VSWR)	N/A	May 18, 2026

Radiated Emissions - 1 GHz - 18 GHz (Test Date: Sep. 12, 2025&Oct. 23, 2025)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Positioning Controller	MF	MF-7802	N/A	N/A
2	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
3	MXA Signal Analyzer	KEYSIGHT	N9020B	MY63430227	Oct. 29, 2025
4	Cable	EMC INSTRUMENT	EMC104-SM-SM-1 0000	N/A	Jun. 12, 2026
5	Cable	EMC INSTRUMENT	EMC104-SM-SM-3 000	N/A	Jun. 12, 2026
6	Cable	EMC INSTRUMENT	EMC104-SM-SM-1 000	N/A	Jun. 12, 2026
7	966 Chamber room	Tai He	9*6*6 (NSA&VSWR)	N/A	May 18, 2026
8	Double Ridged Broadband Horn Antenna	RF SPIN	DRH18-E	210106A18E	Jul. 15, 2026
9	Preamplifier	EMC INSTRUMENT	EMC118A45SE	981001	May 28, 2026
10	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
11	Filter	COM-MW	ZHPF6-M3000-180 00-174	N/A	Oct. 29, 2025

Radiated Emissions - Above 18 GHz (Test Date: Sep. 12, 2025&Oct. 23, 2025)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Cable	Tonscend	HF160-KMKM-0.5M	N/A	Oct. 21, 2026
2	Cable	Tonscend	HF160-KMKM-5M	N/A	Oct. 21, 2026
3	Pre-Amplifier	EMC INSTRUMENT	EMC184045SE	980409	Dec. 06, 2025
4	DRG Horn Antenna	ETS	3116C	218942	Feb. 28, 2026
5	Positioning Controller	MF	MF-7802	N/A	N/A
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
7	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	May 17, 2026

Bandwidth & Conducted Spurious Emissions & Power Spectral Density (Test Date: Sep. 12, 2025)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	May 17, 2026
2	CTA	BTL	CTA	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A

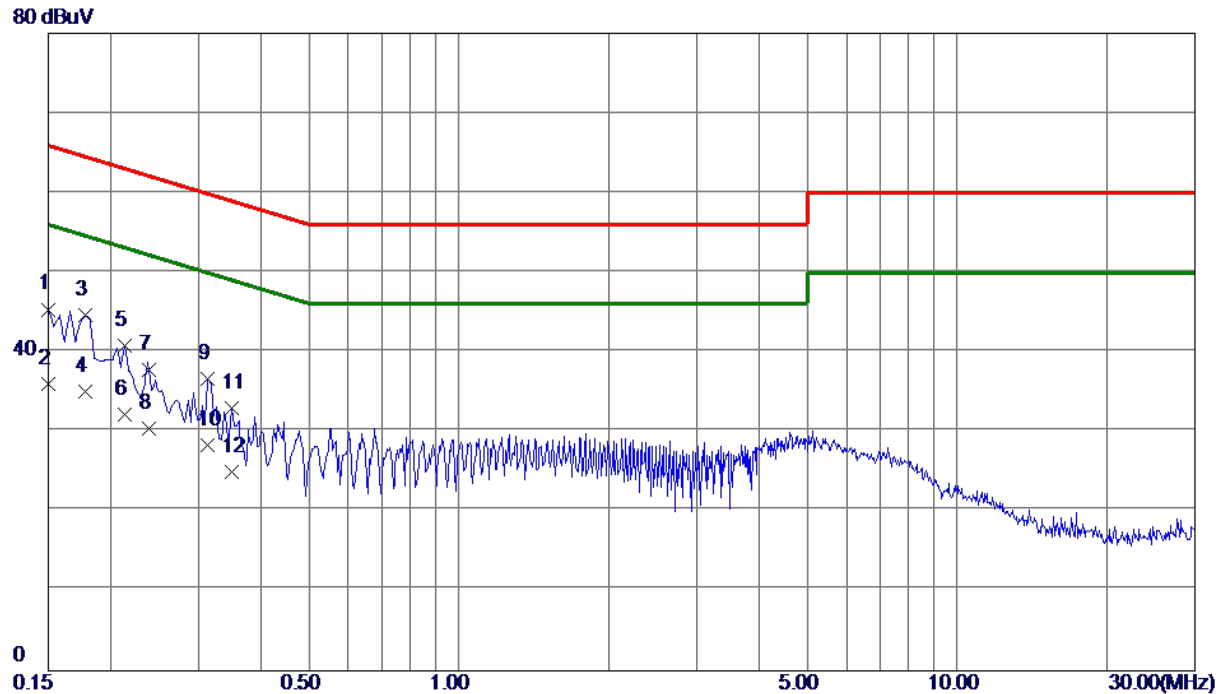
Maximum Output Power (Test Date: Oct. 30, 2025)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	May 17, 2026
2	Wideband power sensor	Keysight	N1923A	MY58310004	May 17, 2026
3	Isolation attenuator	Z-Link	ASMA-10-18-2W	N/A	N/A

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

All calibration period of equipment list is one year.

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX B Mode Channel 01	Phase	Line
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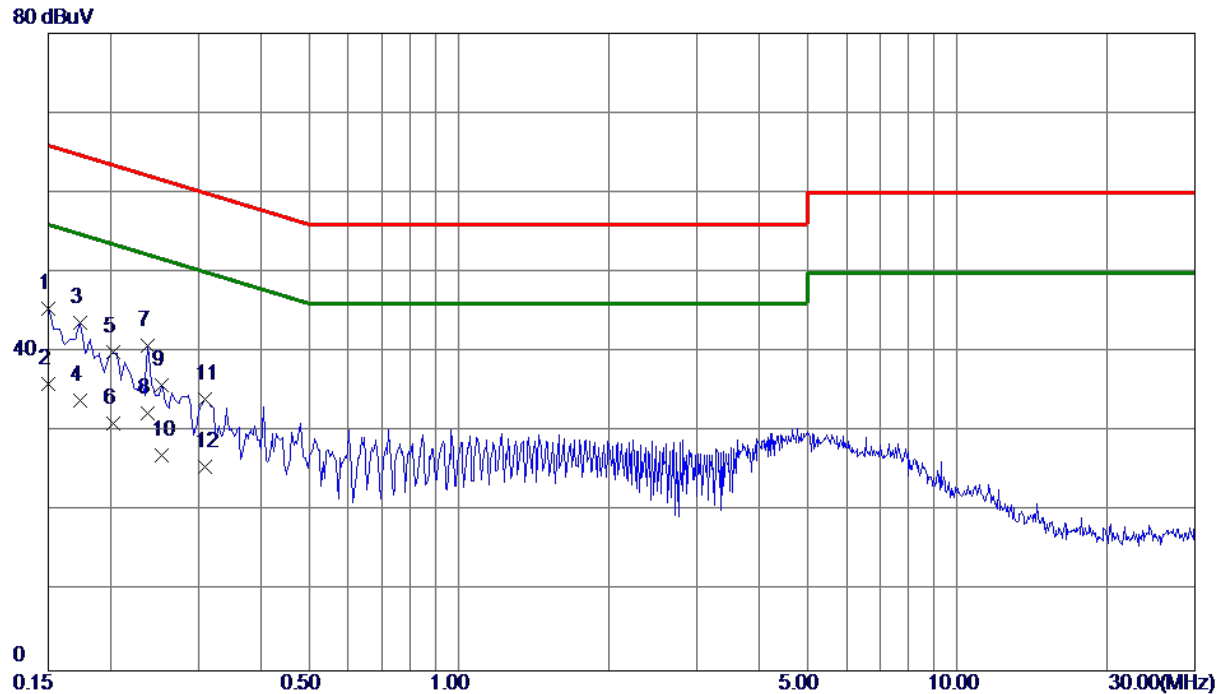


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1500	35.69	9.67	45.36	66.00	-20.64	QP	
2	0.1500	26.40	9.67	36.07	56.00	-19.93	AVG	
3	0.1780	34.95	9.67	44.62	64.58	-19.96	QP	
4 *	0.1780	25.30	9.67	34.97	54.58	-19.61	AVG	
5	0.2140	31.12	9.67	40.79	63.05	-22.26	QP	
6	0.2140	22.50	9.67	32.17	53.05	-20.88	AVG	
7	0.2391	28.08	9.68	37.76	62.13	-24.37	QP	
8	0.2391	20.70	9.68	30.38	52.13	-21.75	AVG	
9	0.3140	27.02	9.69	36.71	59.86	-23.15	QP	
10	0.3140	18.60	9.69	28.29	49.86	-21.57	AVG	
11	0.3502	23.25	9.69	32.94	58.96	-26.02	QP	
12	0.3502	15.30	9.69	24.99	48.96	-23.97	AVG	

REMARKS:

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

Test Mode	TX B Mode Channel 01	Phase	Neutral
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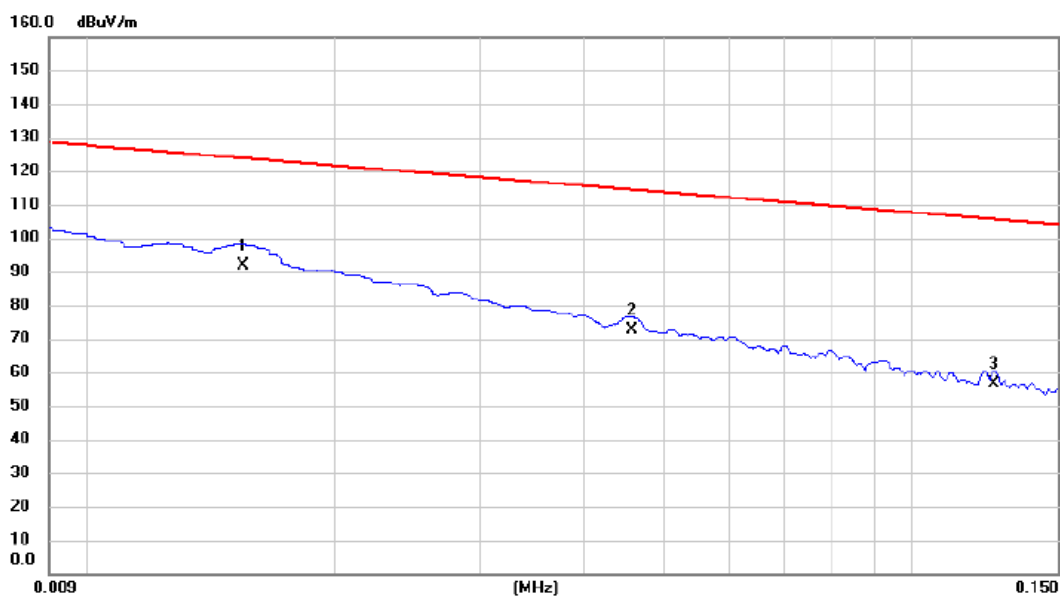
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1500	35.77	9.68	45.45	66.00	-20.55	QP	
2	0.1500	26.30	9.68	35.98	56.00	-20.02	AVG	
3	0.1740	33.93	9.68	43.61	64.77	-21.16	QP	
4	0.1740	24.30	9.68	33.98	54.77	-20.79	AVG	
5	0.2020	30.26	9.69	39.95	63.53	-23.58	QP	
6	0.2020	21.40	9.69	31.09	53.53	-22.44	AVG	
7	0.2380	31.06	9.69	40.75	62.17	-21.42	QP	
8 *	0.2380	22.59	9.69	32.28	52.17	-19.89	AVG	
9	0.2540	26.16	9.68	35.84	61.63	-25.79	QP	
10	0.2540	17.41	9.68	27.09	51.63	-24.54	AVG	
11	0.3100	24.44	9.68	34.12	59.97	-25.85	QP	
12	0.3100	15.90	9.68	25.58	49.97	-24.39	AVG	

REMARKS:

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

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode	TX B Mode Channel 01	Polarization	Ant 0°
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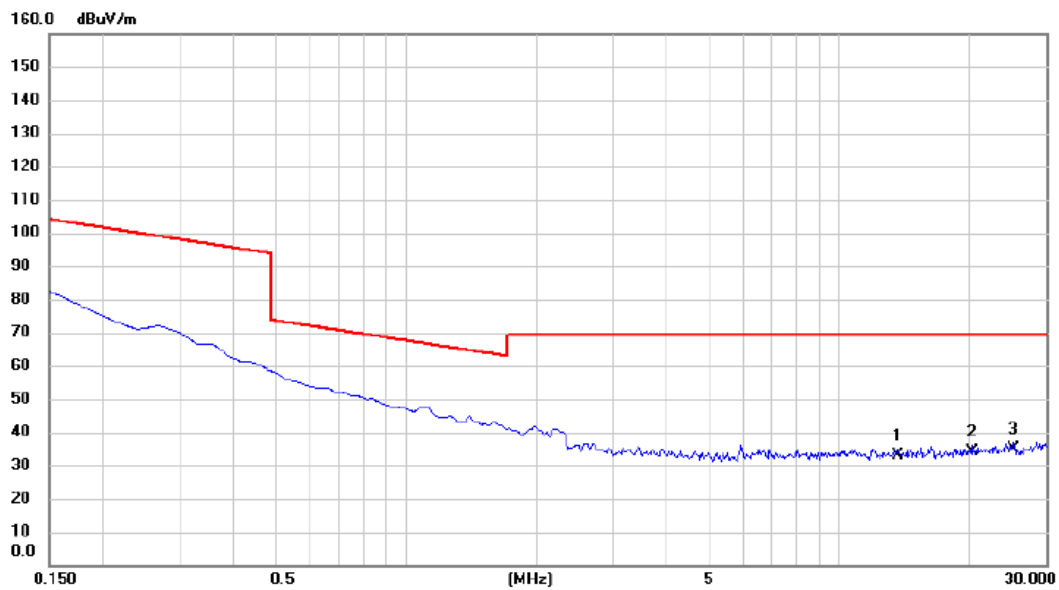


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	0.015	71.51	20.43	91.94	123.80	-31.86	AVG	
2		0.046	52.55	20.14	72.69	114.41	-41.72	AVG	
3		0.126	36.52	20.09	56.61	105.62	-49.01	AVG	

REMARKS:

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

Test Mode	TX B Mode Channel 01	Polarization	Ant 0°
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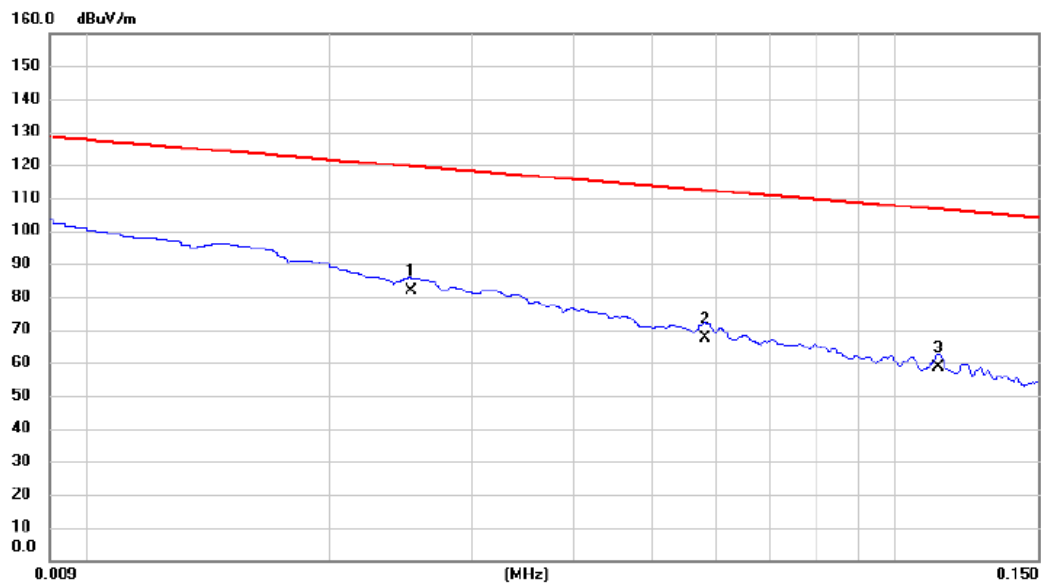


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	13.642	12.33	20.57	32.90	69.54	-36.64	QP	
2	20.239	13.47	20.64	34.11	69.54	-35.43	QP	
3 *	25.284	14.01	20.86	34.87	69.54	-34.67	QP	

REMARKS:

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

Test Mode	TX B Mode Channel 01	Polarization	Ant 90°
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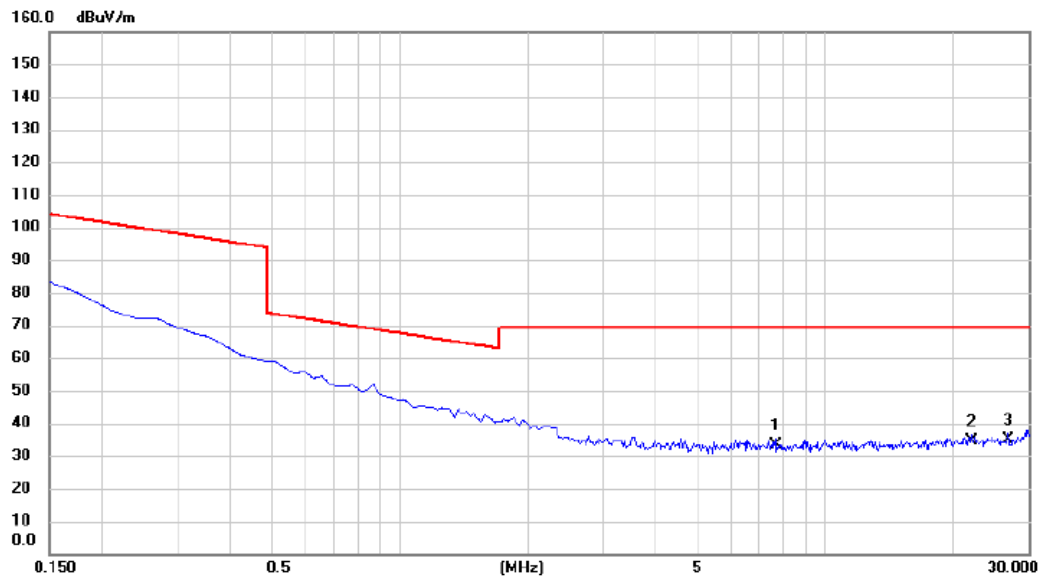


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1	*	0.025	61.44	20.24	81.68	119.58	-37.90	AVG
2		0.058	47.33	20.14	67.47	112.31	-44.84	AVG
3		0.113	38.52	20.11	58.63	106.53	-47.90	AVG

REMARKS:

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

Test Mode	TX B Mode Channel 01	Polarization	Ant 90°
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No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7.642	13.17	20.33	33.50	69.54	-36.04	QP	
2	22.030	13.82	20.74	34.56	69.54	-34.98	QP	
3 *	26.955	13.88	20.97	34.85	69.54	-34.69	QP	

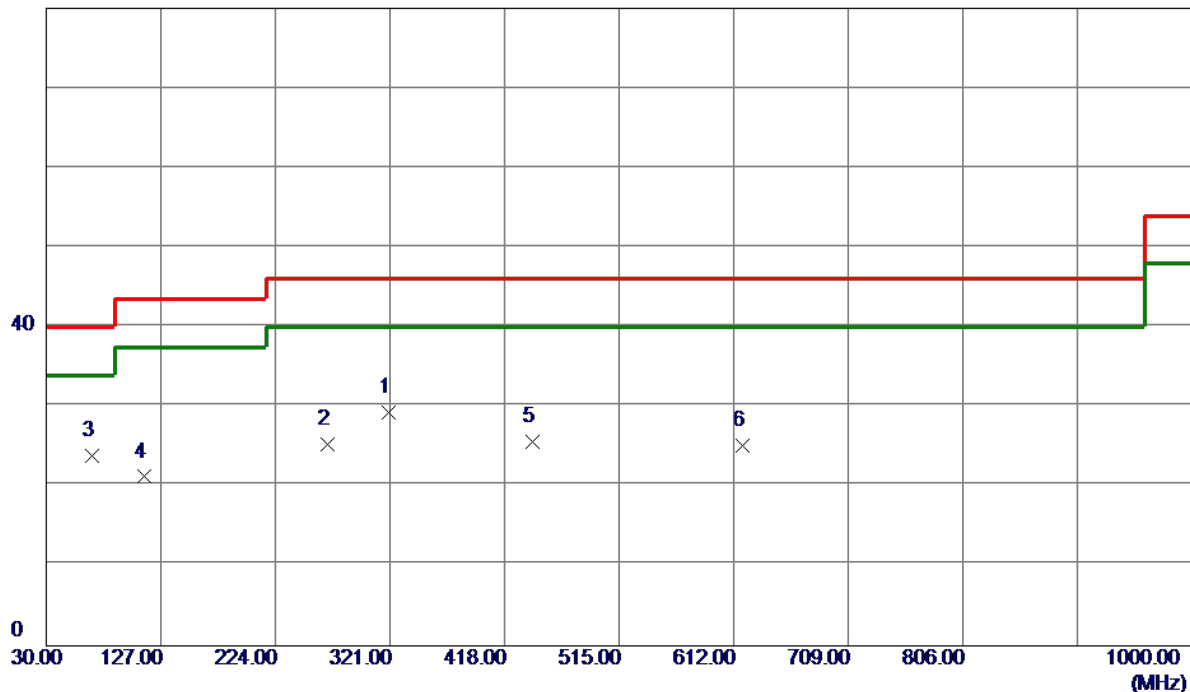
REMARKS:

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode	TX B Mode Channel 01	Polarization	Vertical
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80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	320.0300	42.82	-13.53	29.29	46.02	-16.73	Peak	
2	268.6200	40.69	-15.37	25.32	46.02	-20.70	Peak	
3 *	68.8000	40.65	-16.80	23.85	40.00	-16.15	Peak	
4	113.4200	38.98	-17.78	21.20	43.52	-22.32	Peak	
5	441.2800	35.94	-10.37	25.57	46.02	-20.45	Peak	
6	619.7600	31.38	-6.26	25.12	46.02	-20.90	Peak	

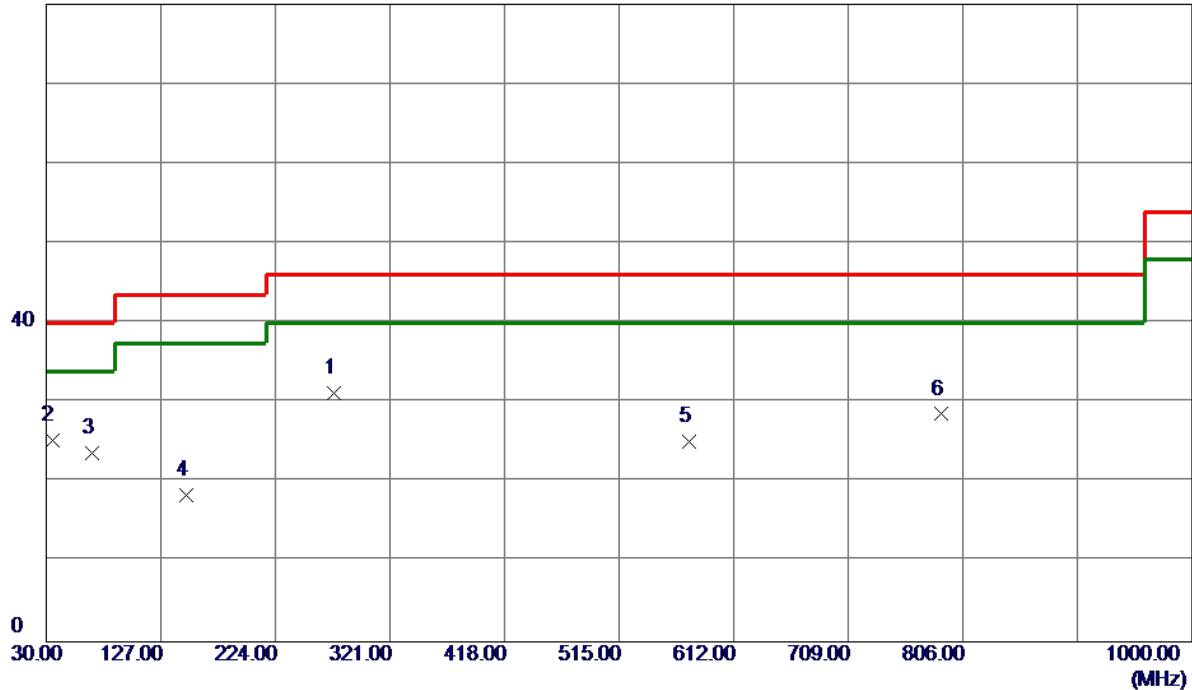
REMARKS:

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

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

Test Mode	TX B Mode Channel 01	Polarization	Horizontal
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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	273.4700	46.33	-15.13	31.20	46.02	-14.82	Peak	
2 *	34.8500	40.91	-15.62	25.29	40.00	-14.71	Peak	
3	68.8000	40.44	-16.80	23.64	40.00	-16.36	Peak	
4	148.3400	33.27	-14.88	18.39	43.52	-25.13	Peak	
5	574.1700	32.53	-7.35	25.18	46.02	-20.84	Peak	
6	787.5700	31.73	-3.17	28.56	46.02	-17.46	Peak	

REMARKS:

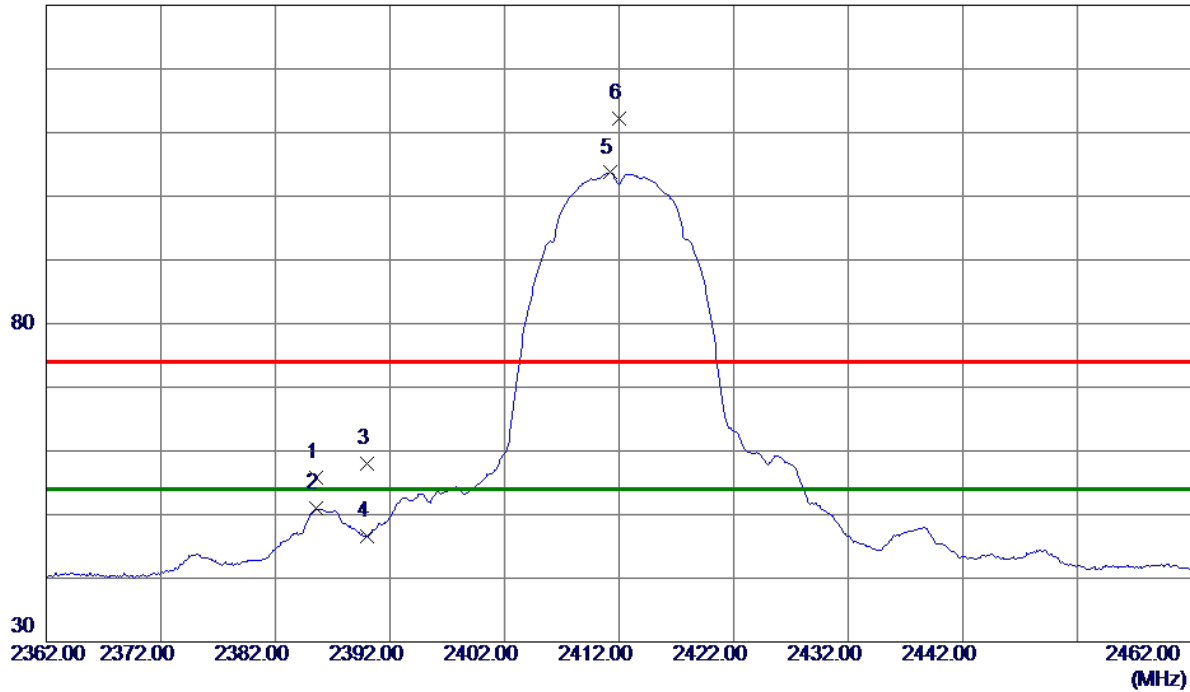
(1) Measurement Value = Reading Level + Correct Factor.

(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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130 dBuV/m



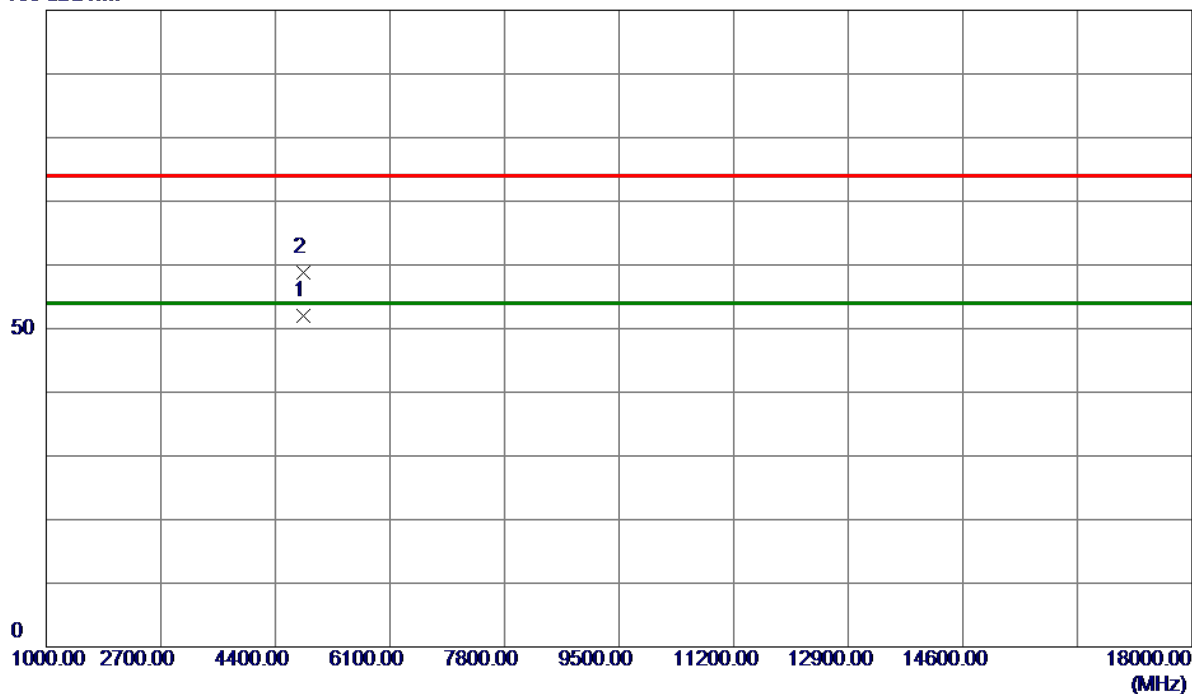
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2385.6000	47.10	8.79	55.89	74.00	-18.11	Peak	
2	2385.6000	42.16	8.79	50.95	54.00	-3.05	AVG	
3	2390.0000	49.22	8.81	58.03	74.00	-15.97	Peak	
4	2390.0000	37.83	8.81	46.64	54.00	-7.36	AVG	
5 *	2411.2000	94.80	8.90	103.70	54.00	49.70	AVG	No Limit
6	2412.0000	103.36	8.90	112.26	74.00	38.26	Peak	No Limit

REMARKS:

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

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



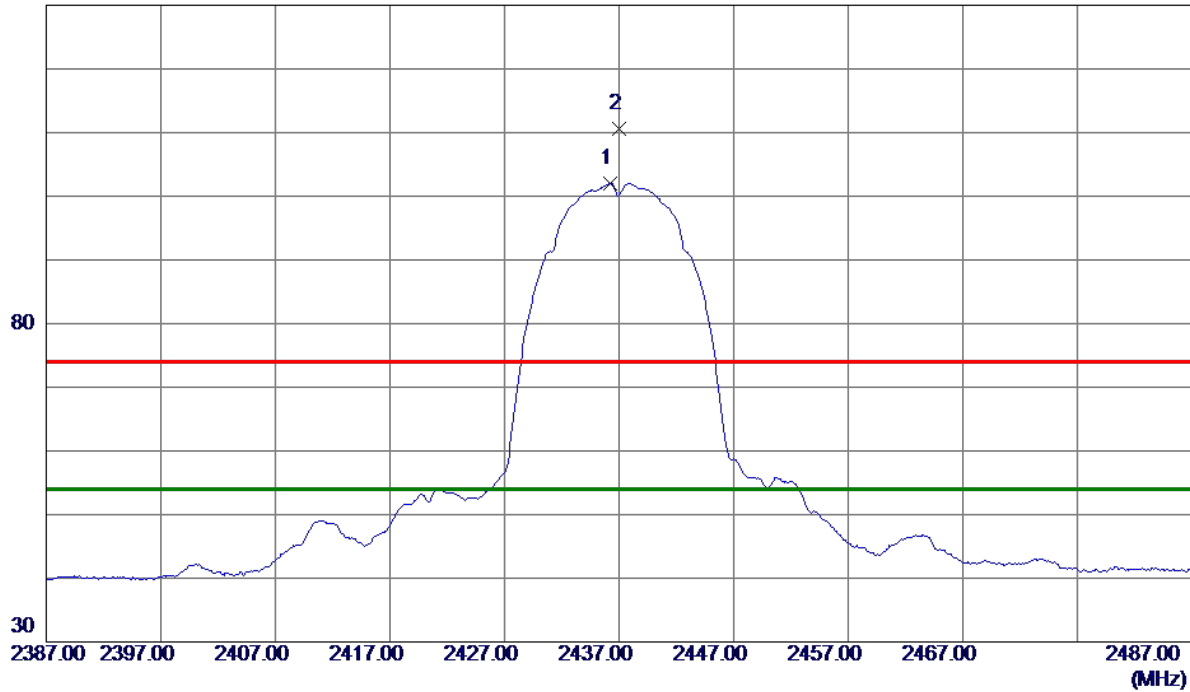
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4823.9500	46.37	5.54	51.91	54.00	-2.09	AVG	
2	4823.9000	53.28	5.54	58.82	74.00	-15.18	Peak	

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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130 dBuV/m



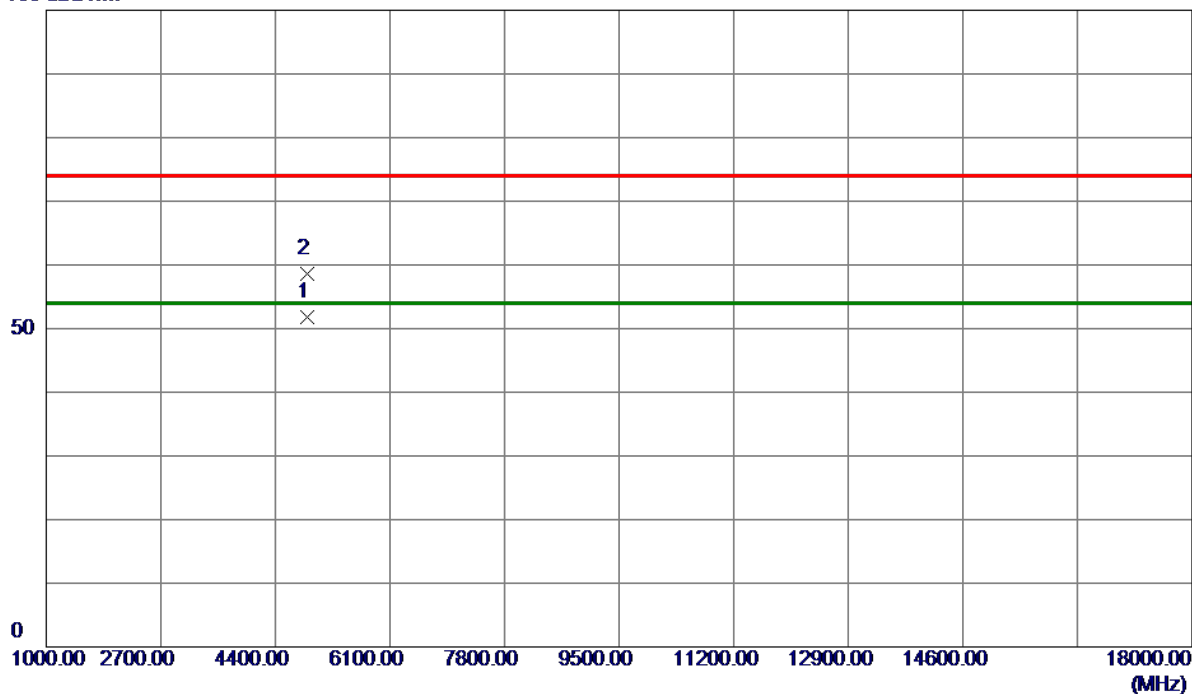
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2436.2000	93.04	9.00	102.04	54.00	48.04	AVG	No Limit
2	2437.0000	101.57	9.00	110.57	74.00	36.57	Peak	No Limit

REMARKS:

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

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



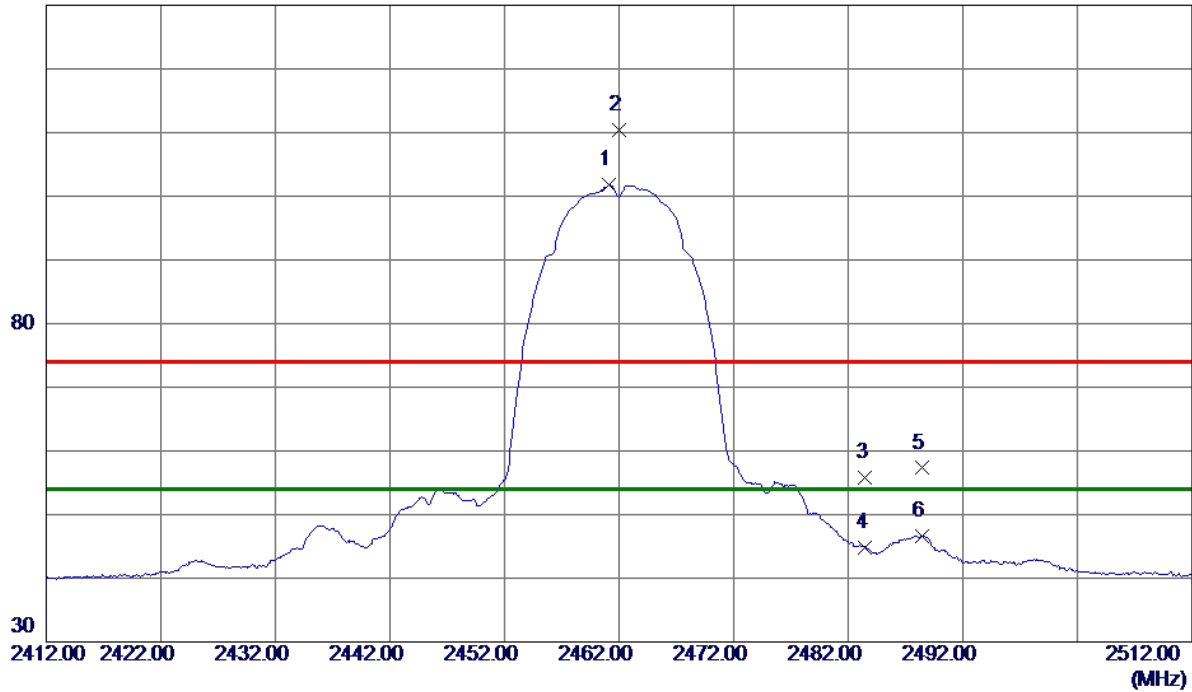
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4873.9500	46.23	5.60	51.83	54.00	-2.17	AVG	
2	4873.9500	53.00	5.60	58.60	74.00	-15.40	Peak	

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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130 dBuV/m



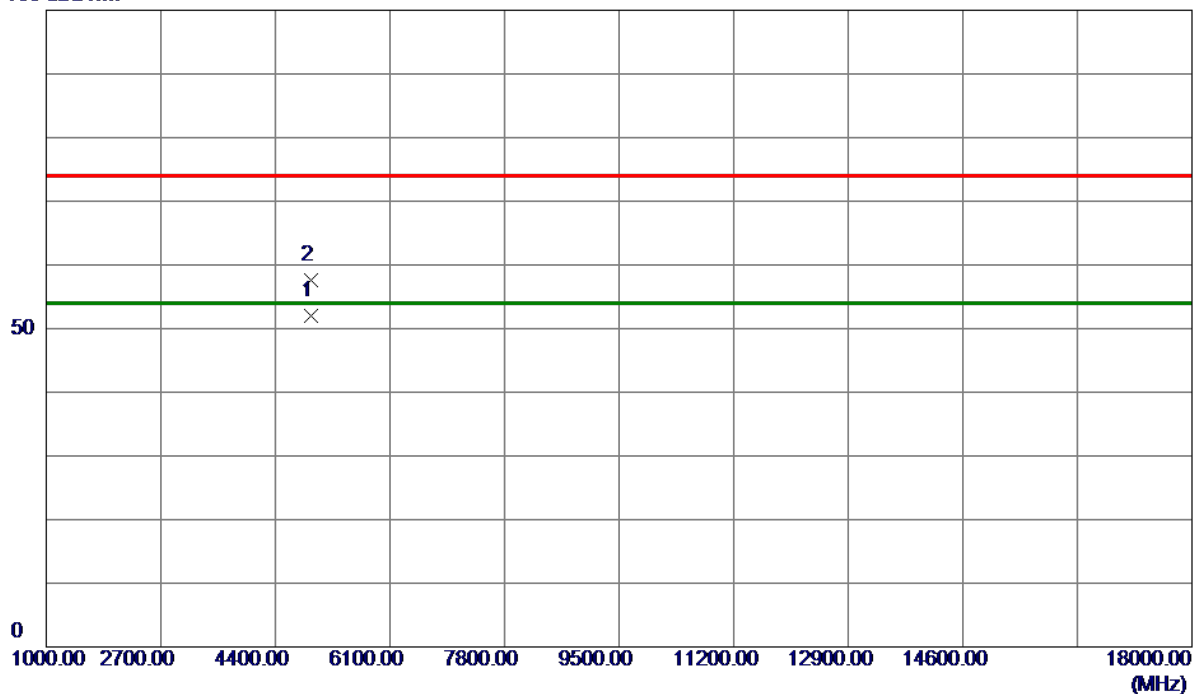
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2461.1000	92.65	9.10	101.75	54.00	47.75	AVG	No Limit
2	2462.0000	101.21	9.11	110.32	74.00	36.32	Peak	No Limit
3	2483.5000	46.66	9.20	55.86	74.00	-18.14	Peak	
4	2483.5000	35.64	9.20	44.84	54.00	-9.16	AVG	
5	2488.4000	48.08	9.22	57.30	74.00	-16.70	Peak	
6	2488.4000	37.42	9.22	46.64	54.00	-7.36	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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100 dBuV/m



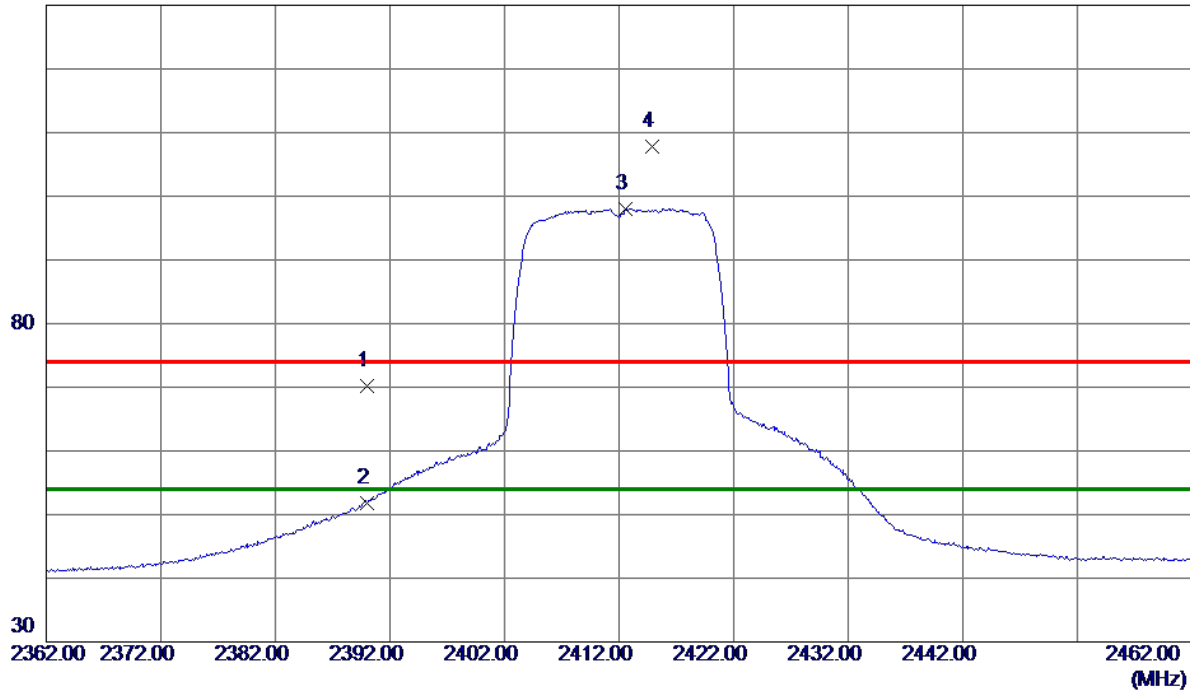
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4923.9500	46.31	5.67	51.98	54.00	-2.02	AVG	
2	4923.8150	51.93	5.67	57.60	74.00	-16.40	Peak	

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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130 dBuV/m



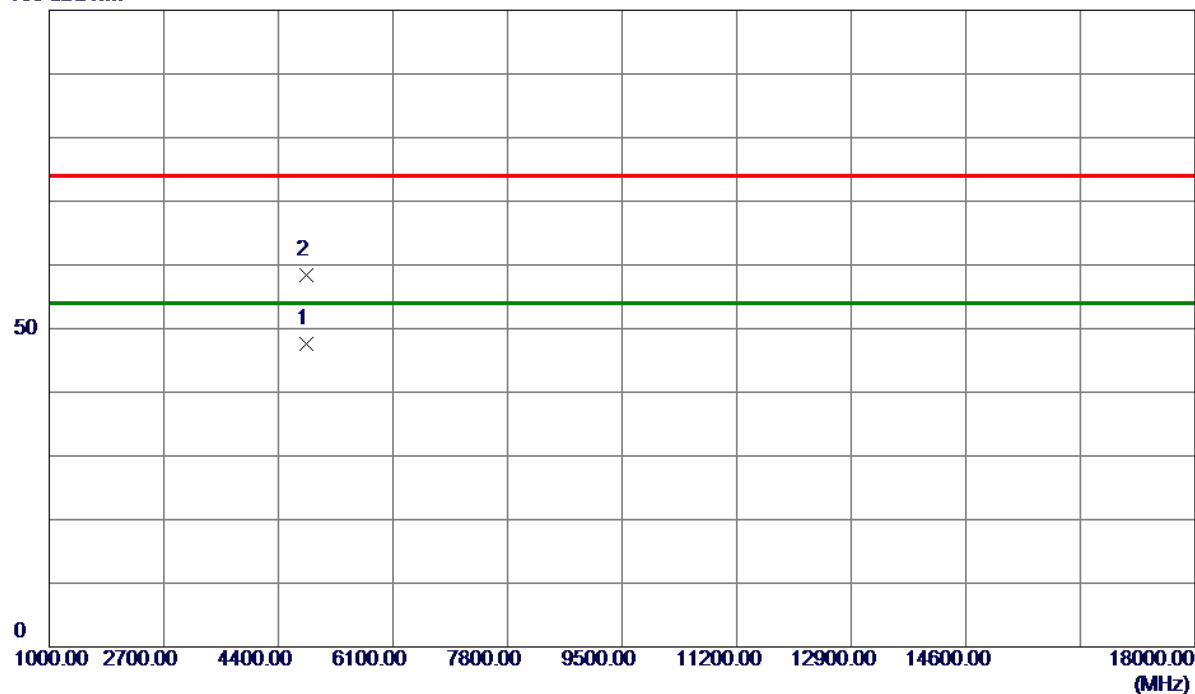
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	61.41	8.81	70.22	74.00	-3.78	Peak	
2	2390.0000	43.01	8.81	51.82	54.00	-2.18	AVG	
3 *	2412.6000	89.17	8.90	98.07	54.00	44.07	AVG	No Limit
4	2414.9000	98.89	8.91	107.80	74.00	33.80	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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100 dBuV/m

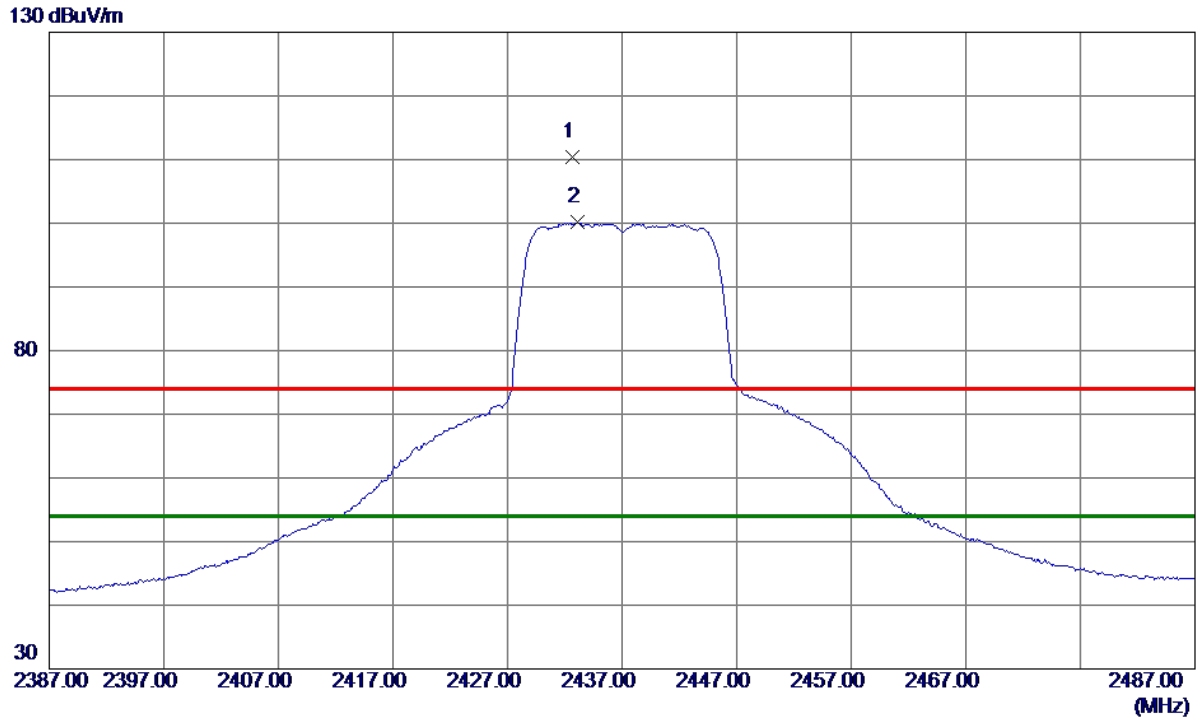


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.1500	42.15	5.54	47.69	54.00	-6.31	AVG	
2	4818.5000	52.91	5.53	58.44	74.00	-15.56	Peak	

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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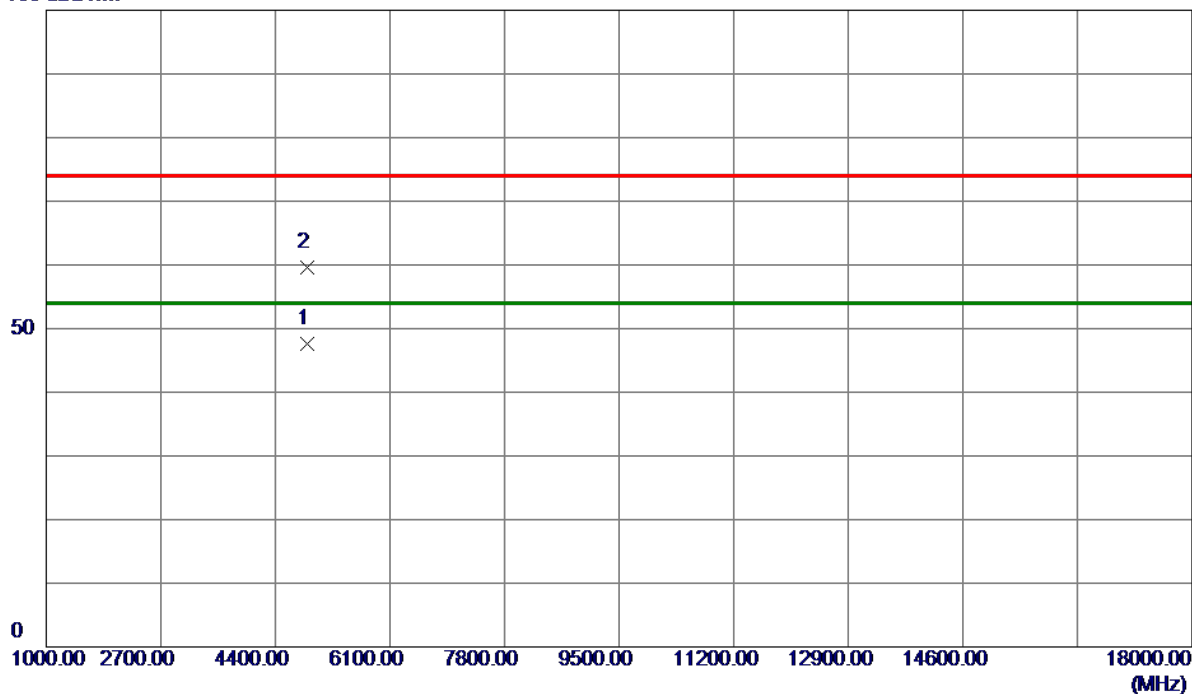
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2432.7000	101.35	8.99	110.34	74.00	36.34	Peak	No Limit
2 *	2433.1000	91.12	8.99	100.11	54.00	46.11	AVG	No Limit

REMARKS:

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

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



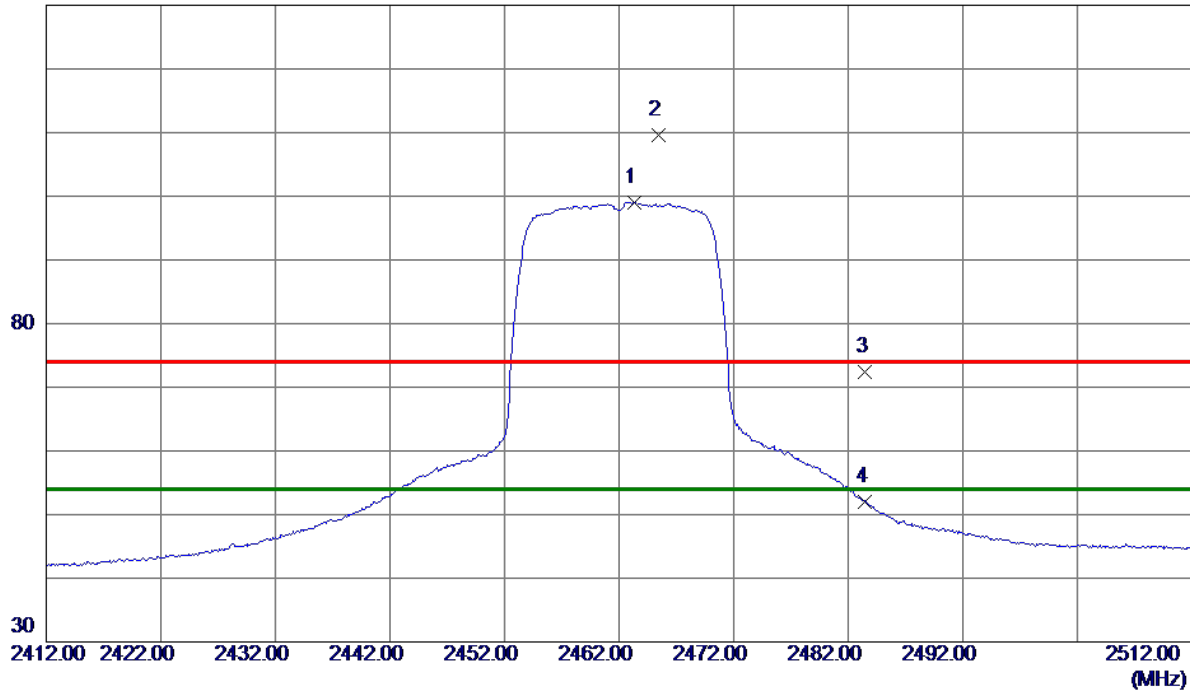
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4872.5500	42.05	5.60	47.65	54.00	-6.35	AVG	
2	4875.5500	54.00	5.61	59.61	74.00	-14.39	Peak	

REMARKS:

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

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



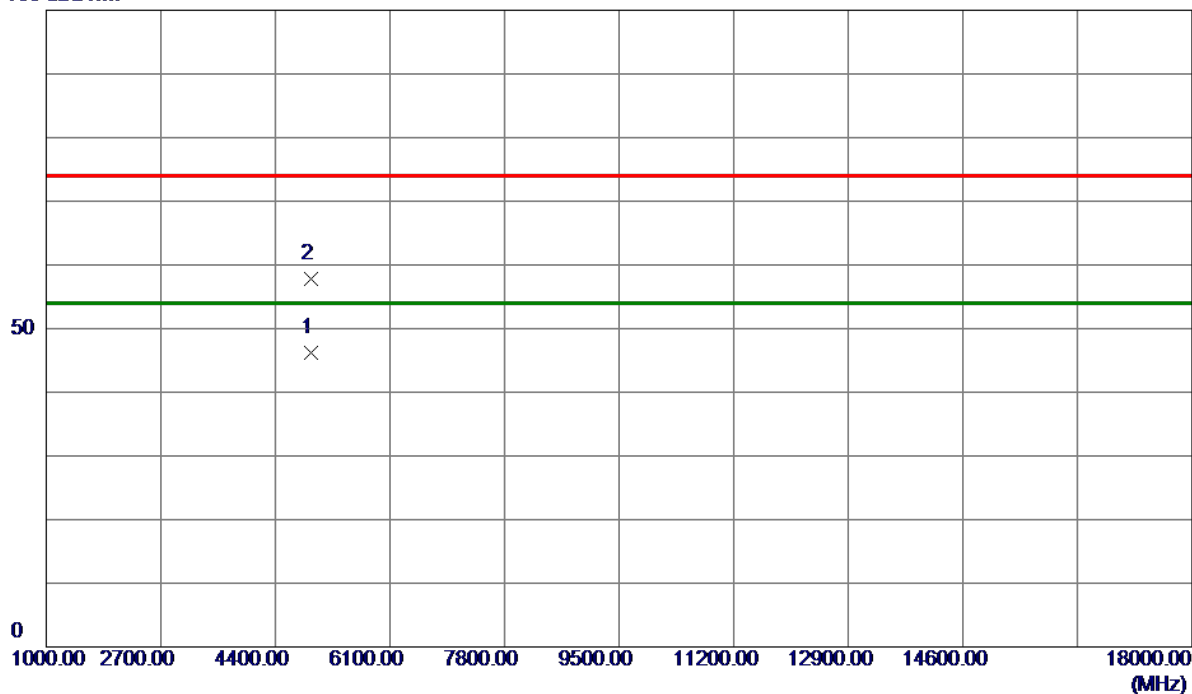
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2463.3000	89.99	9.11	99.10	54.00	45.10	AVG	No Limit
2	2465.4000	100.57	9.12	109.69	74.00	35.69	Peak	No Limit
3	2483.5000	63.19	9.20	72.39	74.00	-1.61	Peak	
4	2483.5000	42.79	9.20	51.99	54.00	-2.01	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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100 dBuV/m



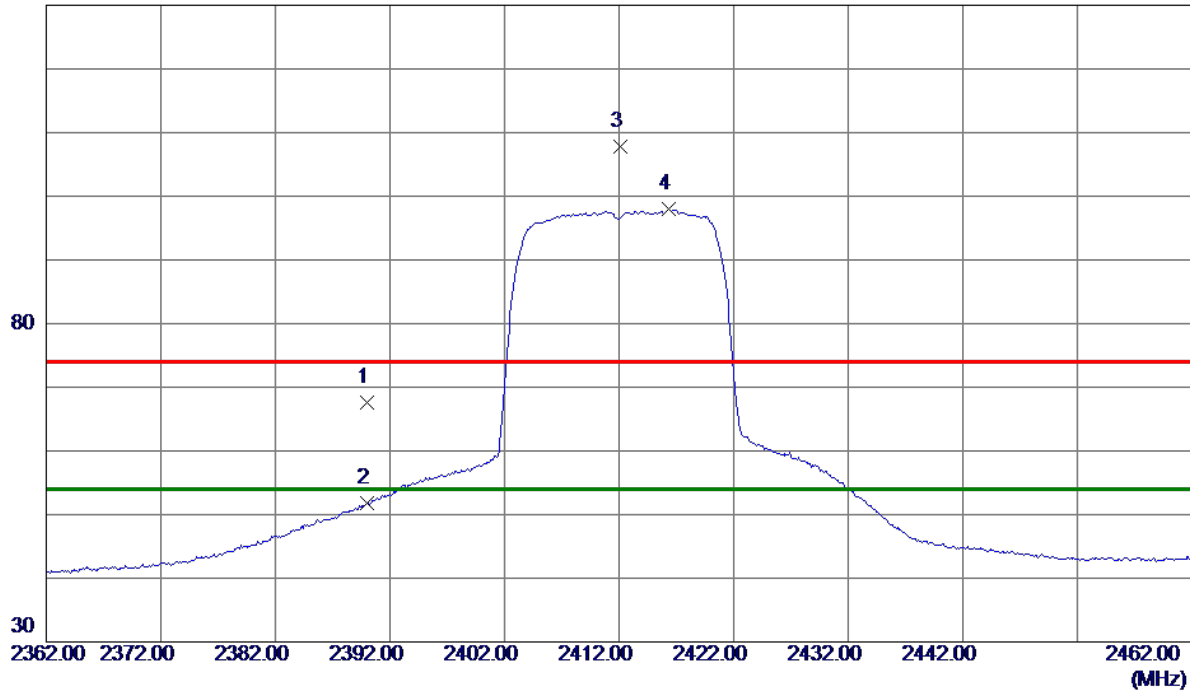
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4925.5500	40.56	5.67	46.23	54.00	-7.77	AVG	
2	4930.1500	52.05	5.68	57.73	74.00	-16.27	Peak	

REMARKS:

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

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



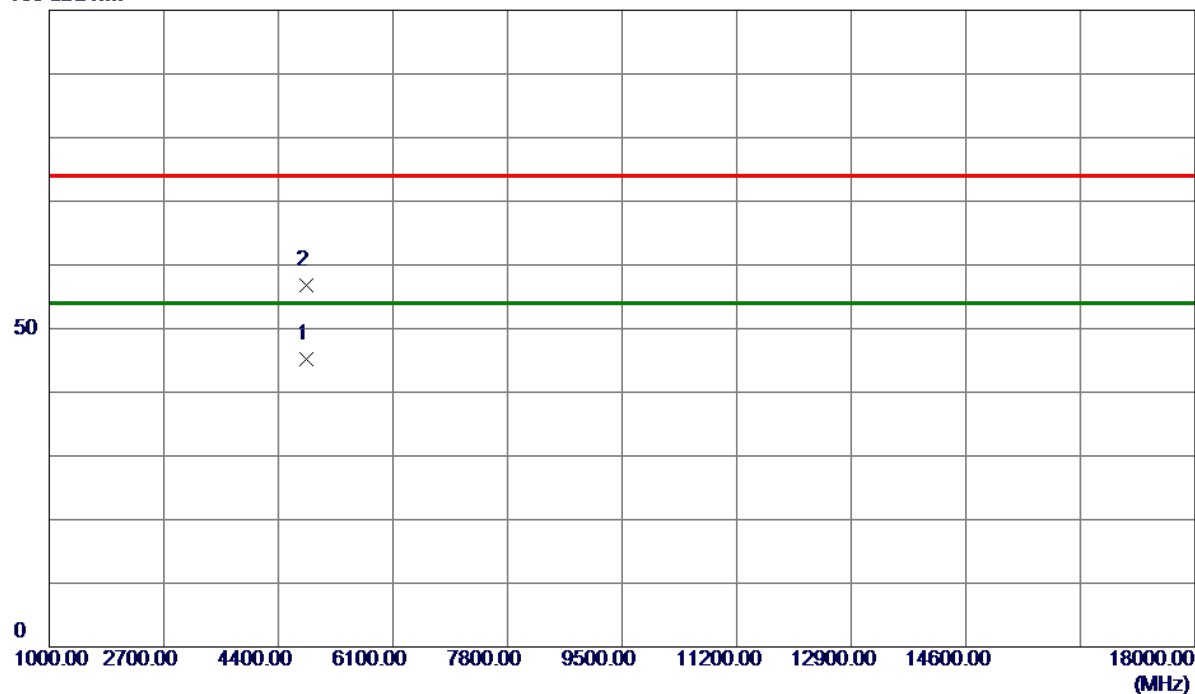
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	58.75	8.81	67.56	74.00	-6.44	Peak	
2	2390.0000	42.94	8.81	51.75	54.00	-2.25	AVG	
3	2412.1000	98.83	8.90	107.73	74.00	33.73	Peak	No Limit
4 *	2416.3000	89.01	8.92	97.93	54.00	43.93	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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100 dBuV/m



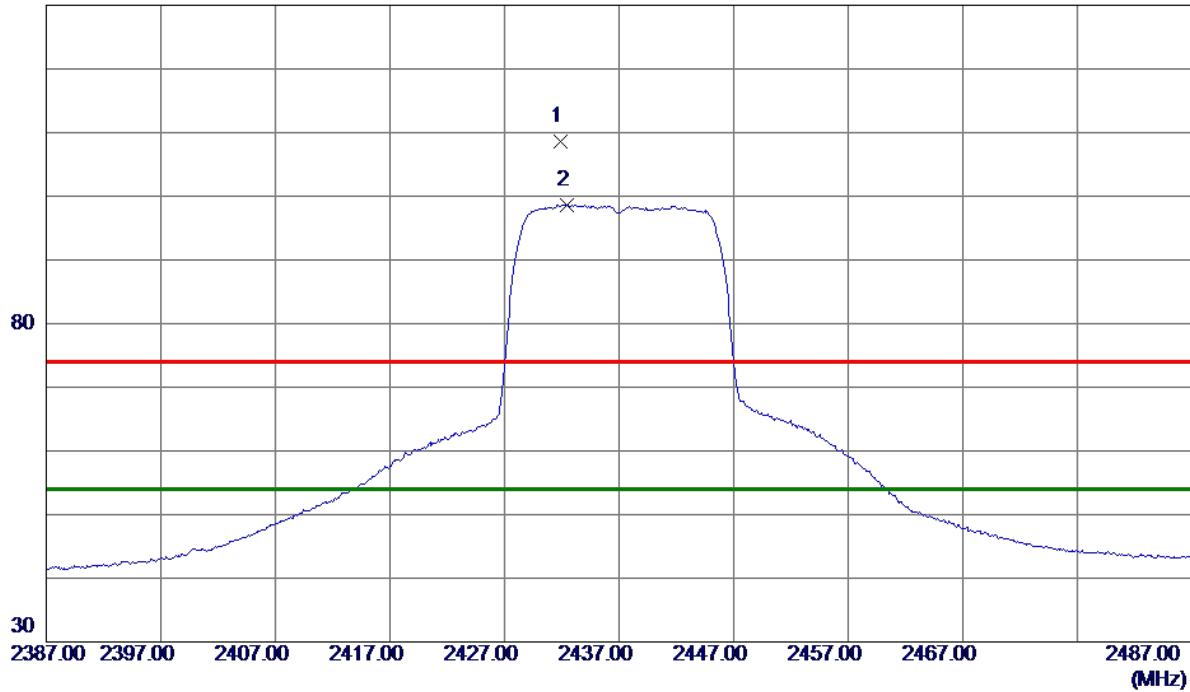
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4823.4500	39.74	5.54	45.28	54.00	-8.72	AVG	
2	4821.9000	51.25	5.53	56.78	74.00	-17.22	Peak	

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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130 dBuV/m



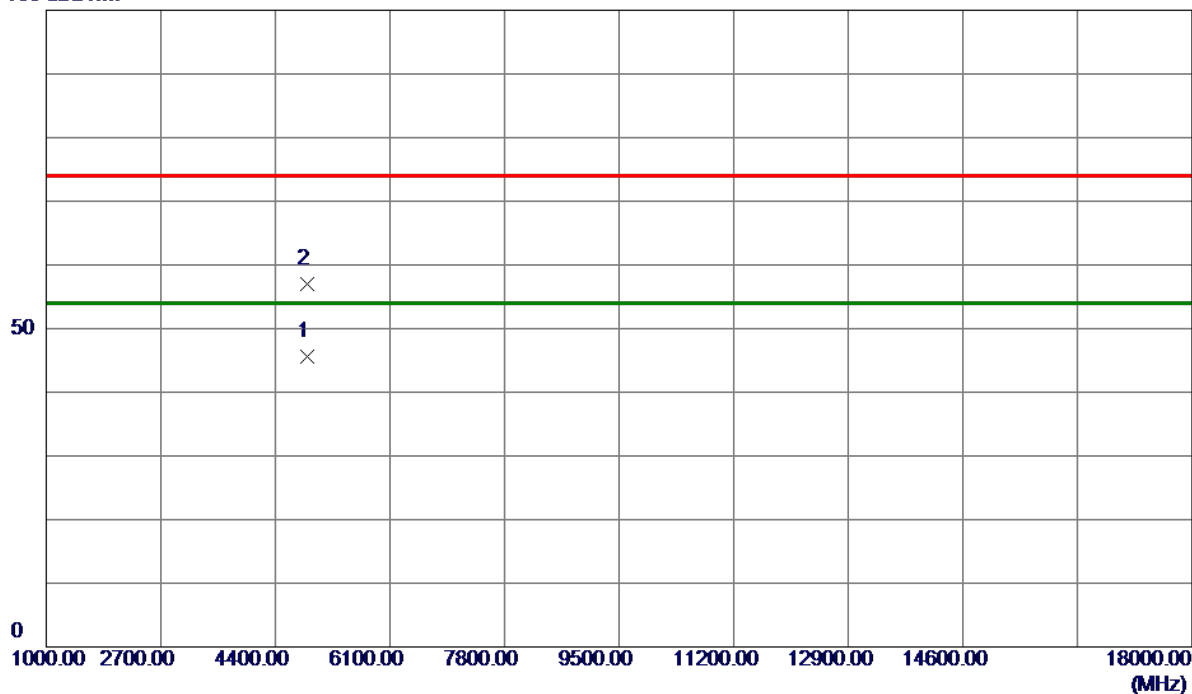
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2431.9000	99.65	8.98	108.63	74.00	34.63	Peak	No Limit
2 *	2432.4000	89.70	8.99	98.69	54.00	44.69	AVG	No Limit

REMARKS:

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

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



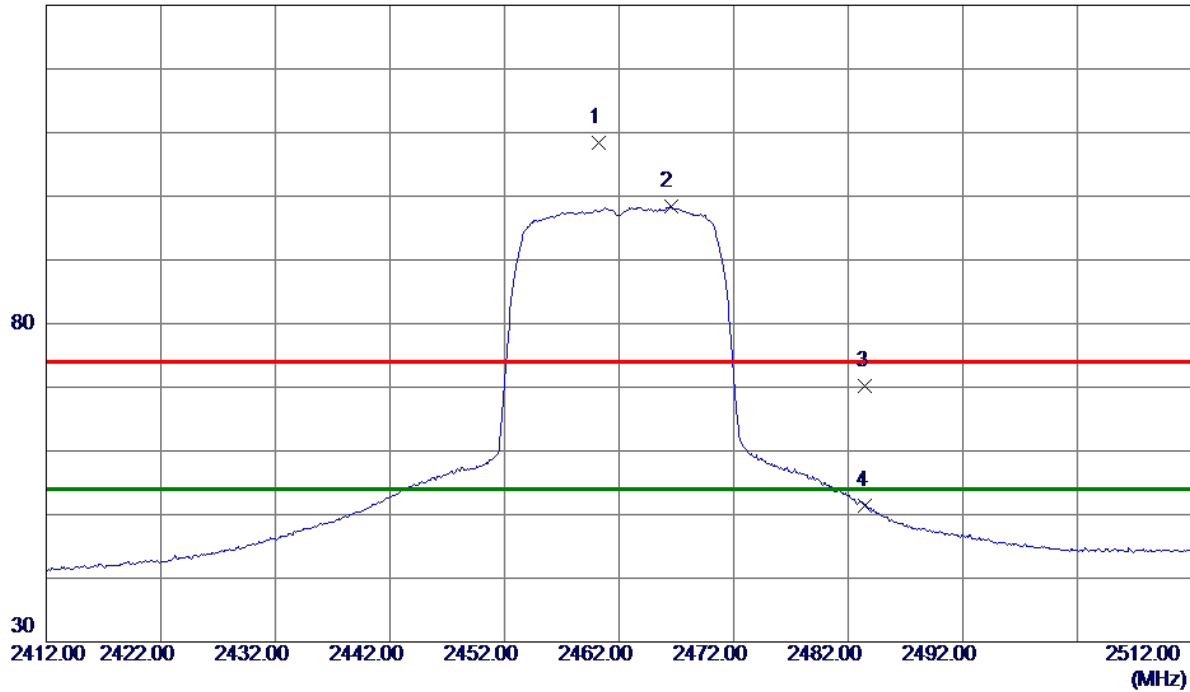
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4871.6500	39.99	5.60	45.59	54.00	-8.41	AVG	
2	4881.5000	51.48	5.61	57.09	74.00	-16.91	Peak	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Vertical
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130 dBuV/m



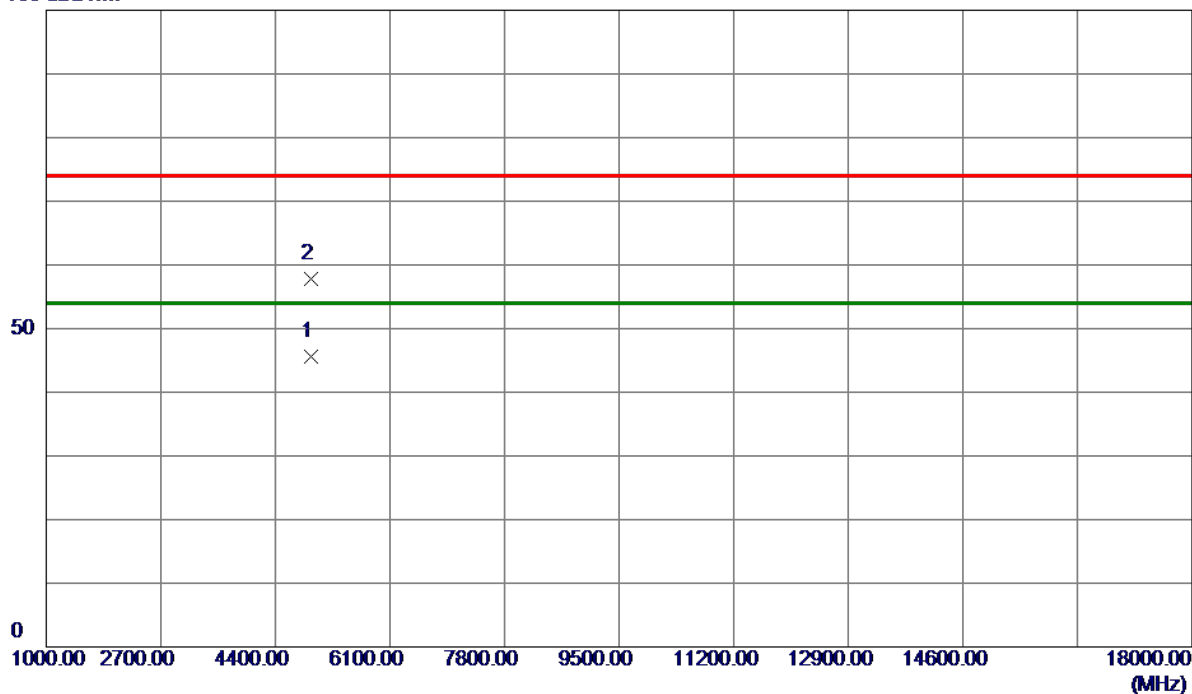
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2460.2000	99.25	9.10	108.35	74.00	34.35	Peak	No Limit
2 *	2466.5000	89.19	9.13	98.32	54.00	44.32	AVG	No Limit
3	2483.5000	61.00	9.20	70.20	74.00	-3.80	Peak	
4	2483.5000	42.21	9.20	51.41	54.00	-2.59	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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100 dBuV/m

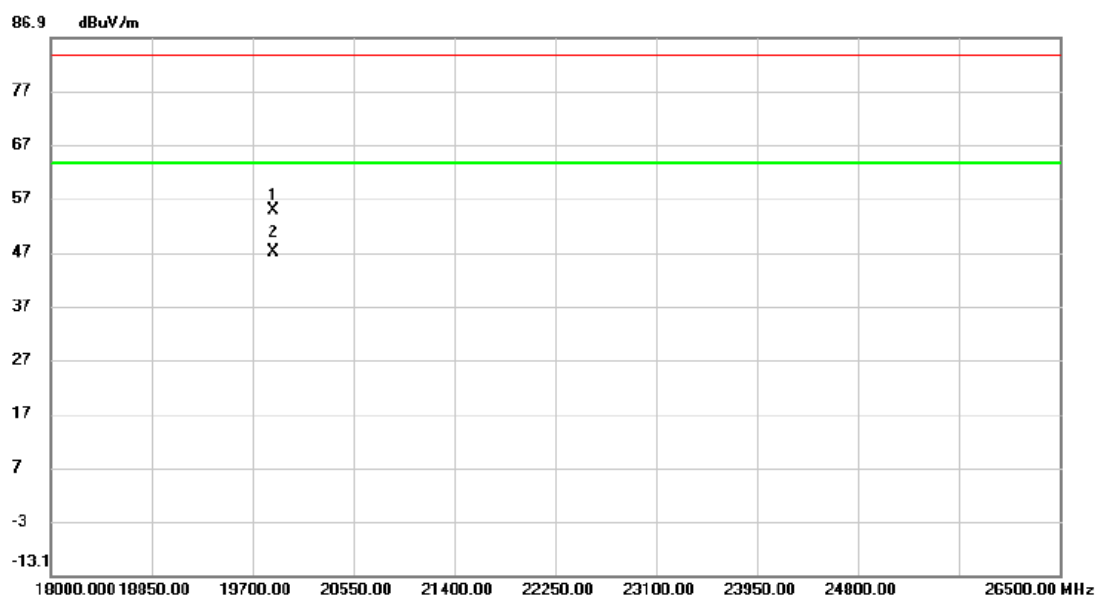


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4921.4500	39.96	5.67	45.63	54.00	-8.37	AVG	
2	4931.4000	52.21	5.68	57.89	74.00	-16.11	Peak	

REMARKS:

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

Test Mode	TX B Mode 2412 MHz	Polarization	Vertical
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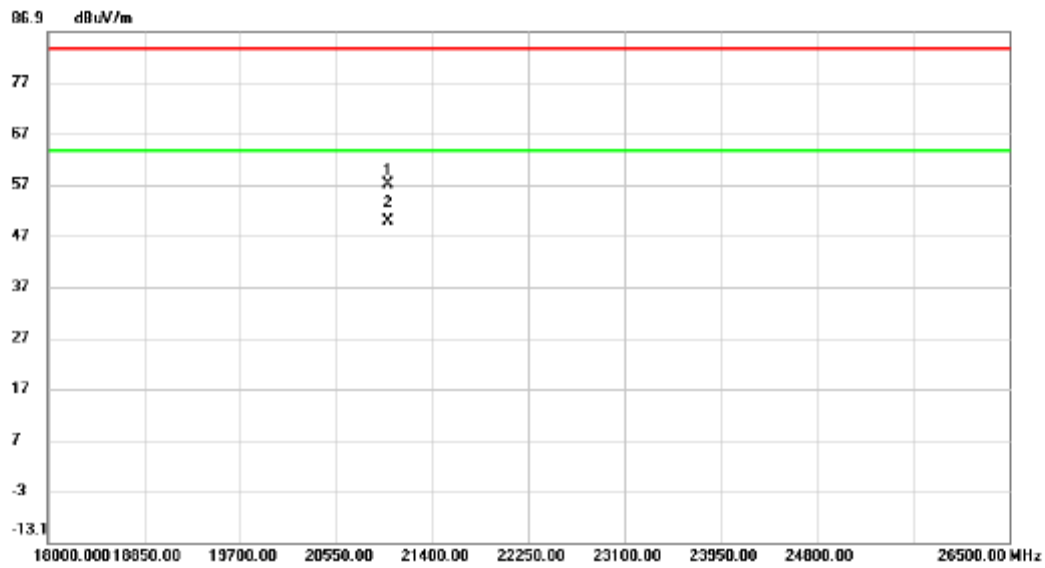


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		19878.500	51.50	3.26	54.76	83.50	-28.74	peak	
2	*	19878.500	43.69	3.26	46.95	63.50	-16.55	AVG	

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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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		21009.000	51.06	6.01	57.07	83.50	-26.43	peak	
2	*	21009.000	43.85	6.01	49.86	63.50	-13.64	AVG	

REMARKS:

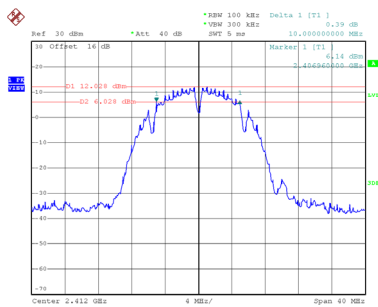
- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

Test Mode	TX B Mode
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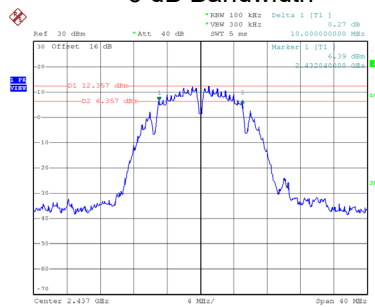
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	10.000	13.120	0.5	Pass
06	2437	10.000	13.120	0.5	Pass
11	2462	10.080	13.120	0.5	Pass

CH01



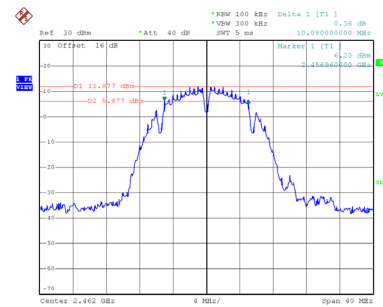
Date: 12.SEP.2025 18:33:35

CH06
6 dB Bandwidth



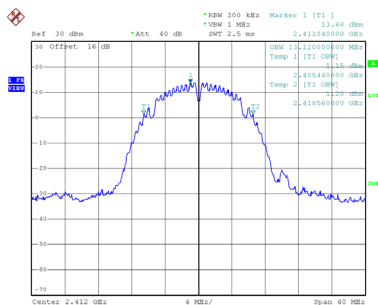
Date: 12.SEP.2025 18:35:28

CH11

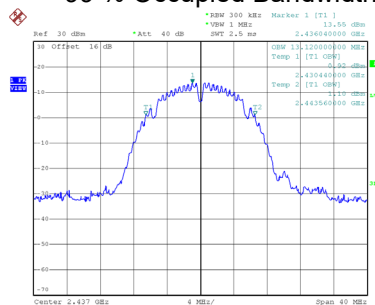


Date: 12.SEP.2025 18:37:04

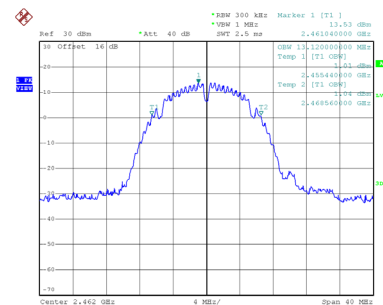
99 % Occupied Bandwidth



Date: 12.SEP.2025 18:33:47



Date: 12.SEP.2025 18:35:41

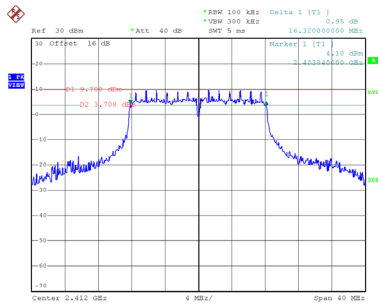


Date: 12.SEP.2025 18:37:16

Test Mode	TX G Mode
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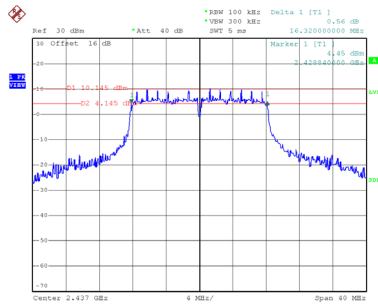
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	16.320	17.680	0.5	Pass
06	2437	16.320	17.920	0.5	Pass
11	2462	16.320	17.920	0.5	Pass

CH01



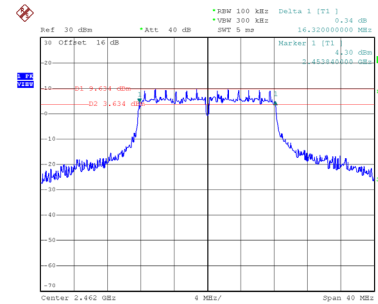
Date: 12.SEP.2025 18:38:48

CH06
6 dB Bandwidth



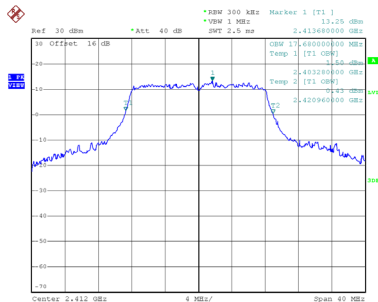
Date: 12.SEP.2025 18:47:37

CH11

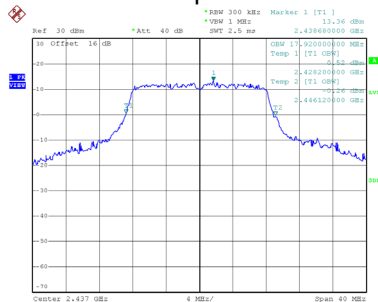


Date: 12.SEP.2025 18:49:10

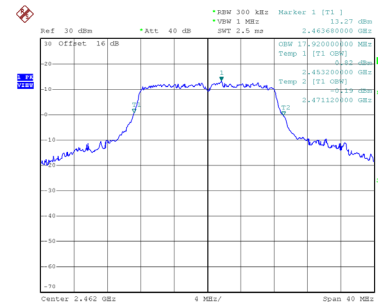
99 % Occupied Bandwidth



Date: 12.SEP.2025 18:39:01



Date: 12.SEP.2025 18:47:50



Date: 12.SEP.2025 18:49:23

FAPPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	TX B Mode
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	13.70	0.34	14.04	28.54	0.7145	Pass
06	2437	12.65	0.34	12.99	28.54	0.7145	Pass
11	2462	12.61	0.34	12.95	28.54	0.7145	Pass

Test Mode	TX G Mode
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	13.27	0.25	13.52	28.54	0.7145	Pass
06	2437	12.47	0.25	12.72	28.54	0.7145	Pass
11	2462	12.45	0.25	12.70	28.54	0.7145	Pass

Test Mode	TX N(HT20) Mode
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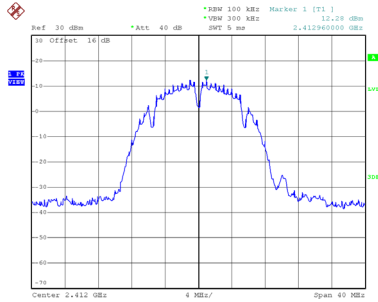
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	11.34	0.25	11.59	28.54	0.7145	Pass
06	2437	10.47	0.25	10.72	28.54	0.7145	Pass
11	2462	10.03	0.25	10.28	28.54	0.7145	Pass

Note: Output power = Measure result + Cable loss

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

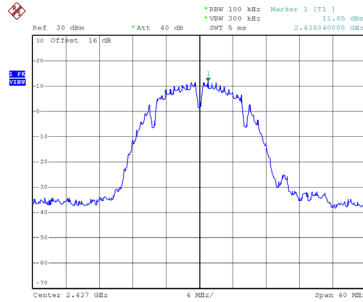
Test Mode TX B Mode

Reference Level-CH01



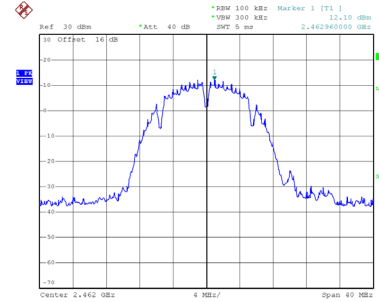
Date: 12.SEP.2025 18:34:11

Reference Level-CH06



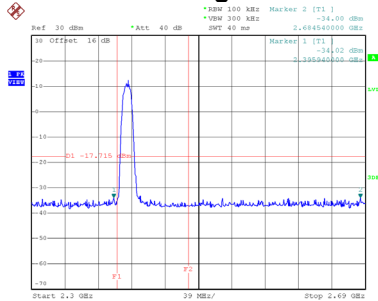
Date: 12.SEP.2025 18:36:04

Reference Level-CH11



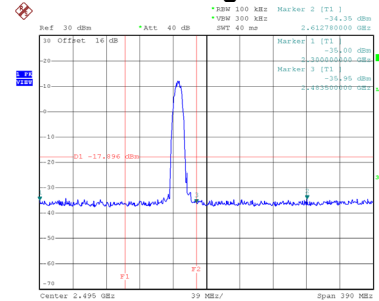
Date: 12.SEP.2025 18:37:39

Bandedge-CH01



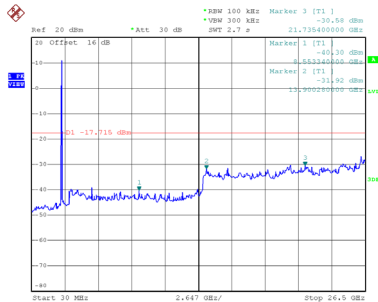
Date: 12.SEP.2025 18:34:23

Bandedge-CH11



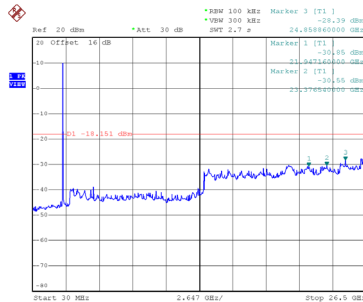
Date: 12.SEP.2025 18:59:59

Harmonic-CH01



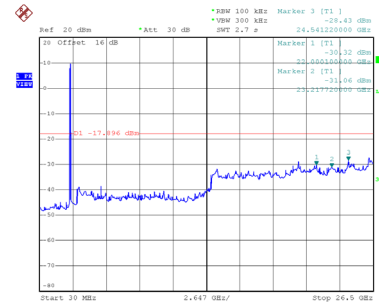
Date: 12.SEP.2025 18:34:36

Harmonic-CH06



Date: 12.SEP.2025 18:36:30

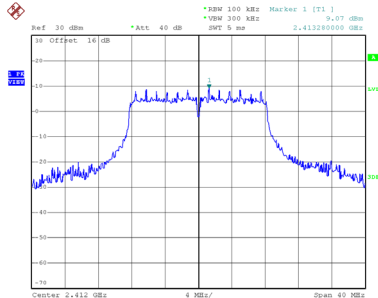
Harmonic-CH11



Date: 12.SEP.2025 18:38:05

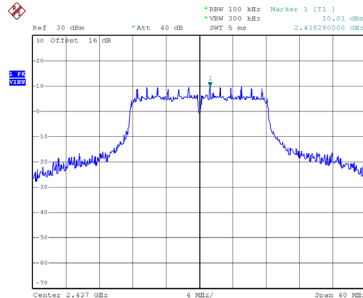
Test Mode TX G Mode

Reference Level-CH01



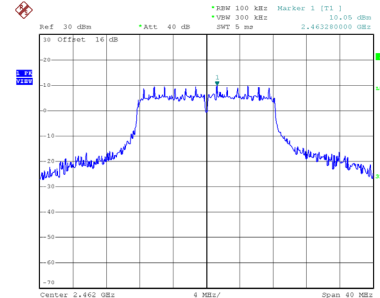
Date: 12.SEP.2025 18:46:11

Reference Level-CH06



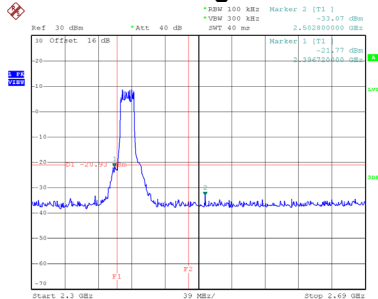
Date: 12.SEP.2025 18:48:13

Reference Level-CH11



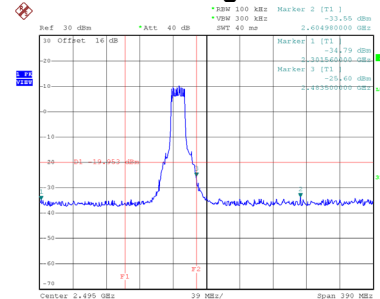
Date: 12.SEP.2025 18:49:46

Bandedge-CH01



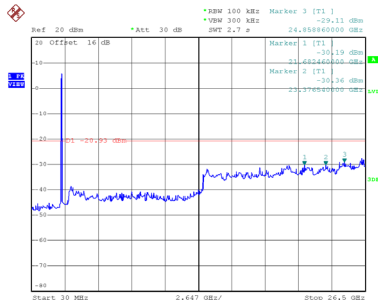
Date: 12.SEP.2025 18:46:43

Bandedge-CH11



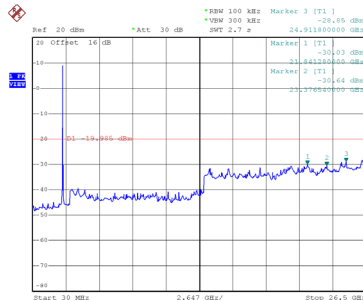
Date: 12.SEP.2025 18:58:56

Harmonic-CH01



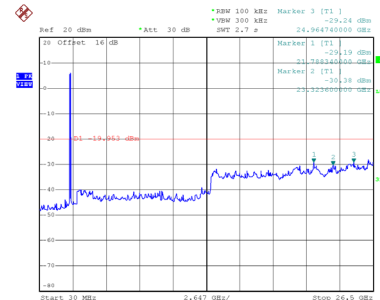
Date: 12.SEP.2025 18:46:56

Harmonic-CH06



Date: 12.SEP.2025 18:48:39

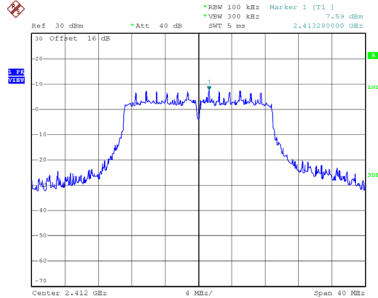
Harmonic-CH11



Date: 12.SEP.2025 18:50:11

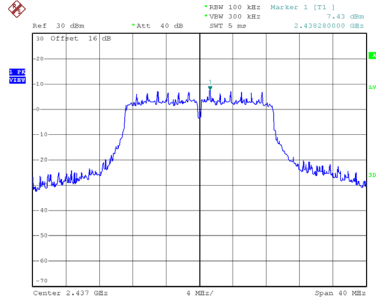
Test Mode TX N(HT20) Mode

Reference Level-CH01



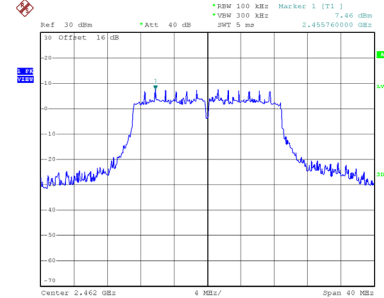
Date: 12.SEP.2025 18:51:31

Reference Level-CH06



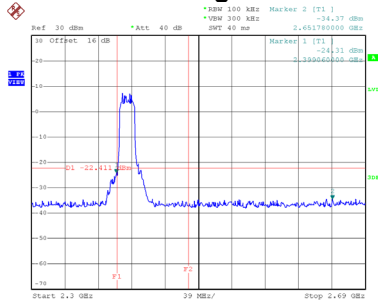
Date: 12.SEP.2025 18:53:00

Reference Level-CH11



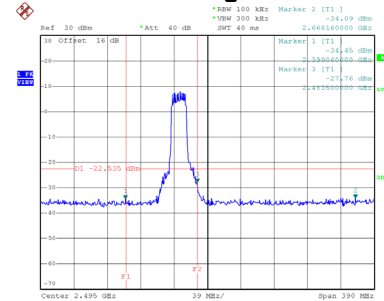
Date: 12.SEP.2025 18:55:52

Bandedge-CH01



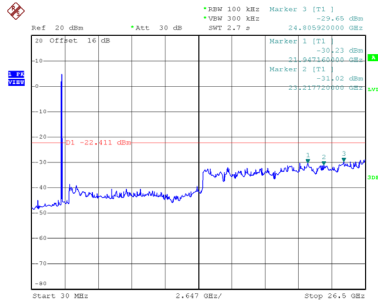
Date: 12.SEP.2025 18:51:44

Bandedge-CH11



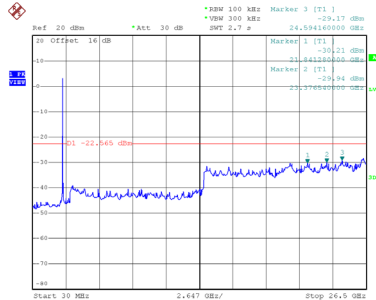
Date: 12.SEP.2025 18:57:47

Harmonic-CH01



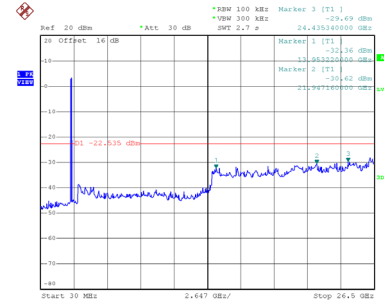
Date: 12.SEP.2025 18:51:57

Harmonic-CH06



Date: 12.SEP.2025 18:53:25

Harmonic-CH11

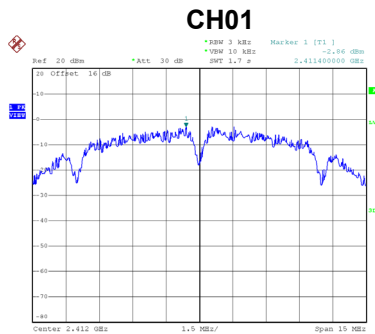


Date: 12.SEP.2025 18:56:17

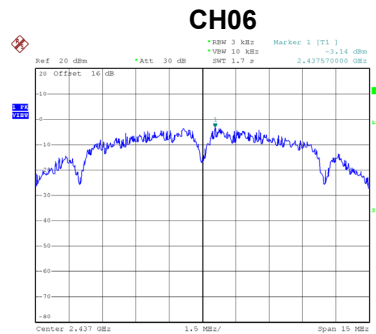
APPENDIX H - POWER SPECTRAL DENSITY

Test Mode	TX B Mode
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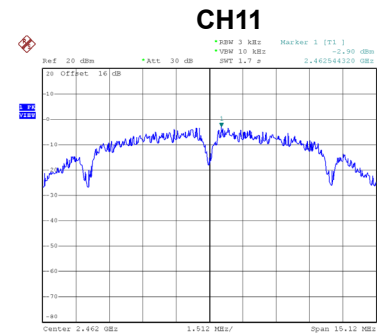
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-2.86	6.54	Pass
06	2437	-3.14	6.54	Pass
11	2462	-2.90	6.54	Pass



Date: 12.SEP.2025 18:33:59



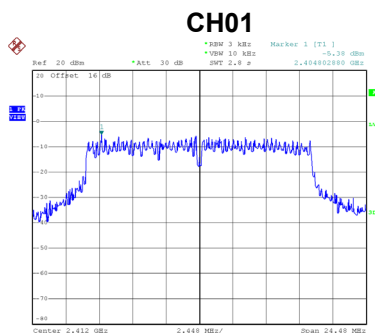
Date: 12.SEP.2025 18:35:53



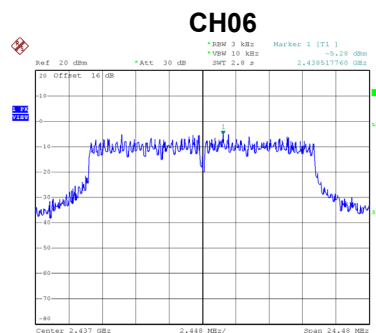
Date: 12.SEP.2025 18:37:28

Test Mode	TX G Mode
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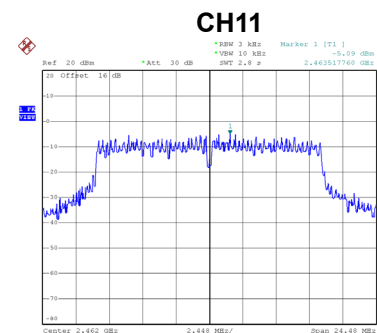
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-5.38	6.54	Pass
06	2437	-5.28	6.54	Pass
11	2462	-5.09	6.54	Pass



Date: 12.SEP.2025 18:39:13



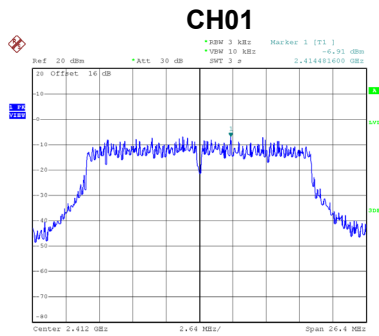
Date: 12.SEP.2025 18:48:02



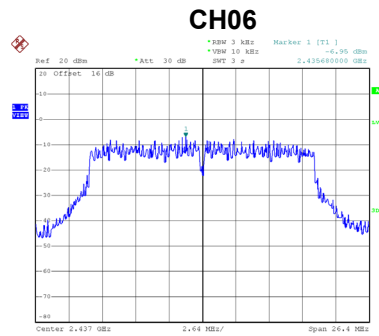
Date: 12.SEP.2025 18:49:34

Test Mode	TX N(HT20) Mode
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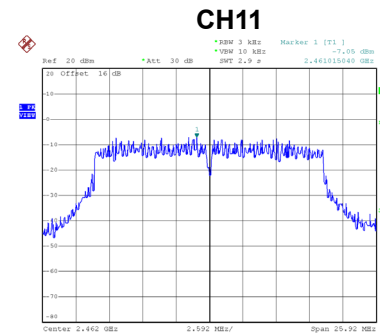
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-6.91	6.54	Pass
06	2437	-6.95	6.54	Pass
11	2462	-7.05	6.54	Pass



Date: 12.SEP.2025 18:51:20



Date: 12.SEP.2025 18:52:48



Date: 12.SEP.2025 18:55:40

End of Test Report