

Product Name: Wireless LAN Access Point	Report No: FCC022022-5923RF1
Product Model: AP3220L	Security Classification: Open
Version: V1.0	Total Page: 107

TIRT Testing Report



Prepared By:	Checked By:	Approved By:	A circular blue stamp with the text "TIRT Shenzhen" in the center and "Beijing TIRT Technology Service Co., Ltd" around the perimeter.
Stone Tang	Randy Lv	Daniel Chen	
Stone Tang	Randy Lv	Daniel Chen	

FCC Radio Test Report

FCC ID: 2A9M7AP3220L

This report concerns: Original Grant

Project No. : 022022-5923
Equipment : Wireless LAN Access Point
Brand Name : 
Test Model : AP3220L
Series Model : N/A
Applicant : MuXi Technology Co., Ltd.
Address : Tecsun Technology Building, 6/F, No.21 , Huashen Avenue,Yuhuatai District,Nanjing., Nanjing, JiangSu,210012, China
Manufacturer : MuXi Technology Co., Ltd.
Address : Tecsun Technology Building, 6/F, No.21 , Huashen Avenue,Yuhuatai District,Nanjing., Nanjing, JiangSu,210012, China
Factory : Joy Technology (ShenZhen) Corporation
Address : HengKeng Ind., Shangpai,Shangwu,Aiqun Rd., Shiyan Town,Shenzhen 518108 China
Date of Receipt : Aug. 24, 2022
Date of Test : Aug. 25, 2022 ~ Nov. 01, 2022
Issued Date : Nov. 15, 2022
Report Version : V1.0
Test Sample : Engineering Sample No.: 20220814019907
Standard(s) : FCC CFR Title 47, Part 15, Subpart C
FCC KDB 558074 D01 15.247 Meas Guidance v05r02
FCC KDB 662911 D01 Multiple Transmitter Output v02r01
ANSI C63.10-2013

- The test result referred exclusively to the presented test model /sample.
- Without written approval of TIRT Inc. the test report shall not reproduced except in full.

Lab: Beijing TIRT Technology Service Co.,Ltd Shenzhen

Add: 101, 3 # Factory Building, Gongjin Electronics Shatin Community, Kengzi Street, Pingshan District, Shenzhen, China
TEL: +86-0755-27087573

Table of Contents	Page
REPORT ISSUED HISTORY	6
1 . SUMMARY OF TEST RESULTS	7
1.1 TEST FACILITY	8
1.2 MEASUREMENT UNCERTAINTY	8
1.3 TEST ENVIRONMENT CONDITIONS	9
2 . GENERAL INFORMATION	10
2.1 GENERAL DESCRIPTION OF EUT	10
2.2 DESCRIPTION OF TEST MODES	12
2.3 PARAMETERS OF TEST SOFTWARE	13
2.4 DUTY CYCLE	14
2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	16
2.6 SUPPORT UNITS	16
3 . AC POWER LINE CONDUCTED EMISSIONS	17
3.1 LIMIT	17
3.2 TEST PROCEDURE	17
3.3 DEVIATION FROM TEST STANDARD	17
3.4 TEST SETUP	18
3.5 EUT OPERATION CONDITIONS	18
3.6 TEST RESULTS	18
4 . RADIATED EMISSIONS	19
4.1 LIMIT	19
4.2 TEST PROCEDURE	20
4.3 DEVIATION FROM TEST STANDARD	21
4.4 TEST SETUP	21
4.5 EUT OPERATION CONDITIONS	22
4.6 TEST RESULTS - 9 KHZ TO 30 MHZ	22
4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ	22
4.8 TEST RESULTS - ABOVE 1000 MHZ	22
5 . BANDWIDTH	23
5.1 LIMIT	23
5.2 TEST PROCEDURE	23
5.3 DEVIATION FROM STANDARD	23
5.4 TEST SETUP	23

Table of Contents	Page
5.5 EUT OPERATION CONDITIONS	23
5.6 TEST RESULTS	23
6 . MAXIMUM OUTPUT POWER	24
6.1 LIMIT	24
6.2 TEST PROCEDURE	24
6.3 DEVIATION FROM STANDARD	24
6.4 TEST SETUP	24
6.5 EUT OPERATION CONDITIONS	24
6.6 TEST RESULTS	24
7 . CONDUCTED SPURIOUS EMISSIONS	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 . POWER SPECTRAL DENSITY	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 . MEASUREMENT INSTRUMENTS LIST	27
10 . EUT TEST PHOTO	28
APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS	30
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ	33
APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ	34
APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ	37
APPENDIX E - BANDWIDTH	74
APPENDIX F - MAXIMUM OUTPUT POWER	81
APPENDIX G - CONDUCTED SPURIOUS EMISSIONS	88

Table of Contents**Page****APPENDIX H - POWER SPECTRAL DENSITY****101**

REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
FCC022022-5923RF1	V1.0	Original Report.	Nov. 15, 2022	Valid

1. 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.

1.1 TEST FACILITY

Company:	Beijing TIRT Technology Service Co.,Ltd Shenzhen
Address:	101, 3 # Factory Building, Gongjin Electronics Shatin Community, Kengzi Street, Pingshan District, Shenzhen, China
CNAS Registration Number:	CNAS L14158
A2LA Registration Number:	6049.01
FCC Accredited Lab. Designation Number:	CN1309
FCC Test Firm Registration Number:	825524
Telephone:	+86-0755-27087573

1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The TIRT measurement uncertainty as below table:

Uncertainty	
Parameter	Uncertainty
Occupied Channel Bandwidth	$\pm 142.12\text{kHz}$
RF power conducted	$\pm 0.74\text{dB}$
RF power radiated	$\pm 3.25\text{dB}$
Spurious emissions, conducted (9kHz~40GHz)	$\pm 1.78\text{dB}$
Spurious emissions, radiated (9kHz~30MHz)	$\pm 2.8\text{dB}$
Spurious emissions, radiated (30MHz~1GHz)	$\pm 4.6\text{dB}$
Spurious emissions, radiated (1GHz ~ 18GHz)	$\pm 4.9\text{dB}$
Spurious emissions, radiated (18GHz ~ 40GHz)	$\pm 5.54\text{dB}$
Conduction Emissions(150kHz~30MHz)	$\pm 3.1\text{dB}$
Humidity	$\pm 4.6\%$
Temperature	$\pm 0.7^{\circ}\text{C}$
Time	$\pm 1.25\%$

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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	24°C	54%	AC 120V/60Hz	Stone Tang
Radiated Emissions-9kHz to 30 MHz	25°C	55%	PoE 48V	Stone Tang
Radiated Emissions-30MHz to 1000MHz	23°C	53%	PoE 48V	Stone Tang
Radiated Emissions-Above 1000MHz	23°C	53%	PoE 48V	Stone Tang
Bandwidth	23-24°C	52-60%	PoE 48V	Stone Tang
Maximum Output Power	23.4°C	63.5%	PoE 48V	Stone Tang
Conducted Spurious Emissions	23-24°C	52-60%	PoE 48V	Stone Tang
Power Spectral Density	23-24°C	52-60%	PoE 48V	Stone Tang

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless LAN Access Point
Brand Name	
Test Model	AP3220L
Series Model	N/A
Model Difference(s)	N/A
Power Source	DC voltage supplied from AC/PoE adapter. (Supports Unit)
Power Rating	DC $\equiv$ 12V, 2A or PoE $\equiv$ -48V, 0.6A
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 802.11b: 26.35 dBm (0.4315 W)

Note:

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

2. Channel List:

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

3. Antenna Specification:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1		126-002-382	PCB	Domestic 137 terminal	4.00
2		126-002-383	PCB	Domestic 137 terminal	4.05

Note:

- This EUT supports CDD, and all antenna gains are not equal, Directional gain = $G_{ANT} + \text{Array Gain}$.
For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$), so the Directional gain=4.05.
For power spectral density measurements, $N_{ANT}=2$, $N_{SS}=1$.
So the Directional gain= $G_{ANT} + \text{Array Gain} = G_{ANT} + 10\log(N_{ANT}/N_{SS})\text{dBi} = 4.05 + 10\log(2/1)\text{dBi} = 7.06$.
Then, the power spectral density limit is $8 - (7.06 - 6) = 6.94$.
- The antenna gain is provided by the manufacturer.

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)

2.2 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 B Mode Channel 06

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

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

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

Radiated emissions test- Above 1GHz	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09
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 B Mode Channel 06 is found to be the worst case and recorded.
- (3) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (4) For radiated emission above 1 GHz test, the polarization of Vertical and Horizontal are evaluated, the worst case is Horizontal and recorded.

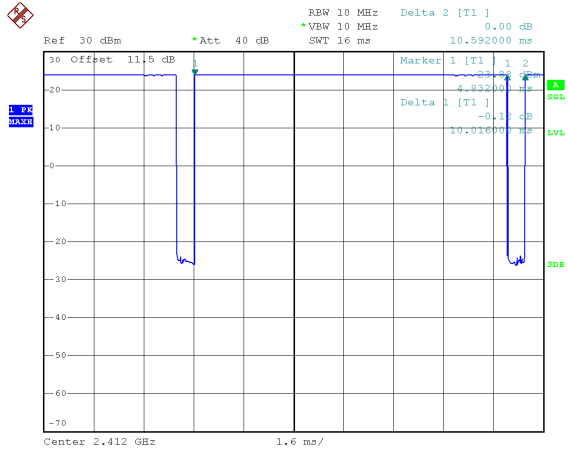
2.3 PARAMETERS OF TEST SOFTWARE

Test Software Version	QPST		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	23.5	24.5	23
IEEE 802.11g	20.5	22.5	20.5
IEEE 802.11n(HT20)	21	23	21
IEEE 802.11ax(HE20)	20.5	22.5	20.5
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	19.5	19.5	20.5
IEEE 802.11ax(HE40)	20.5	21	20.5

2.4 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.

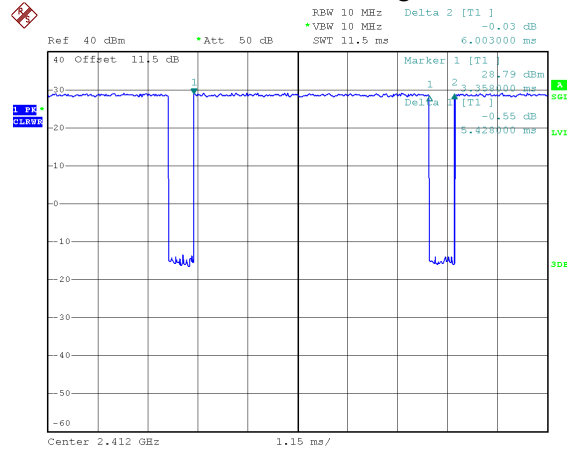
IEEE 802.11b



Date: 26.SEP.2022 10:46:57

Duty cycle = $10.016 \text{ ms} / 10.592 \text{ ms} = 94.56\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.24$

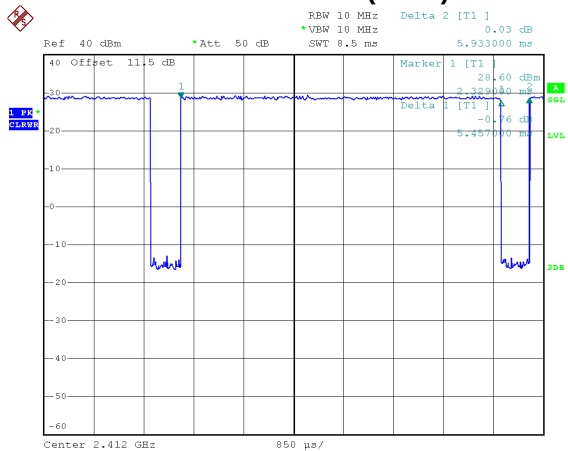
IEEE 802.11g



Date: 14.SEP.2022 14:14:33

Duty cycle = $5.428 \text{ ms} / 6.003 \text{ ms} = 90.42\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.44$

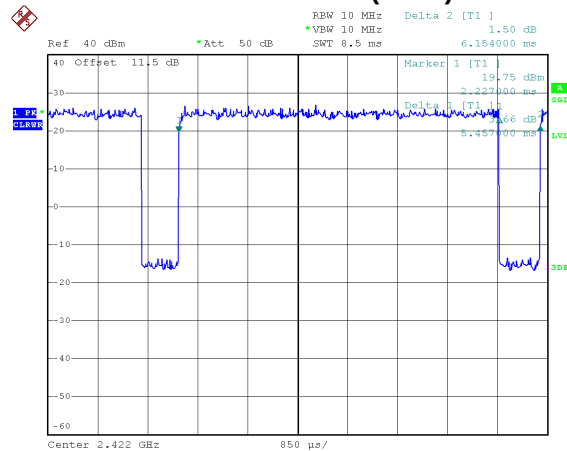
IEEE 802.11n(HT20)



Date: 14.SEP.2022 14:23:07

Duty cycle = $5.457 \text{ ms} / 5.933 \text{ ms} = 91.98\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.36$

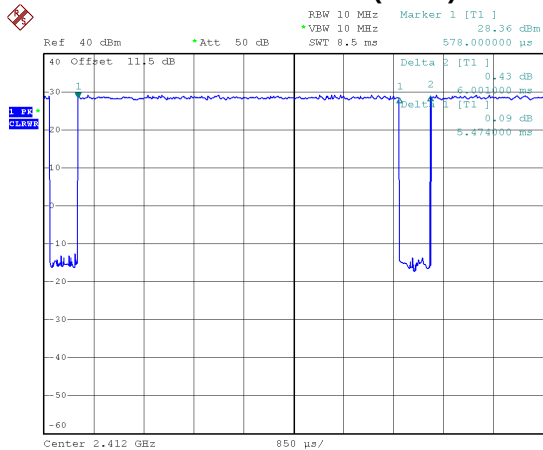
IEEE 802.11n(HT40)



Date: 14.SEP.2022 14:15:31

Duty cycle = $5.457 \text{ ms} / 6.154 \text{ ms} = 88.67\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.52$

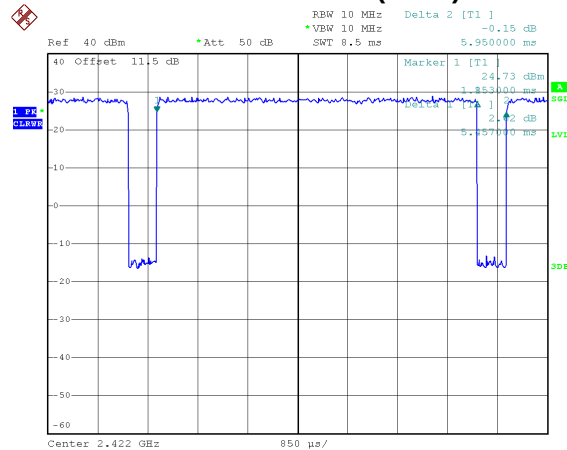
IEEE 802.11ax(HE20)



Date: 14.SEP.2022 14:24:07

Duty cycle = 5.474 ms / 6.001 ms = 91.22%
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.40$

IEEE 802.11ax(HE40)



Date: 14.SEP.2022 14:26:27

Duty cycle = 5.457 ms / 5.950 ms = 91.71%
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.38$

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 100 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 184 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 183 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 183 Hz.

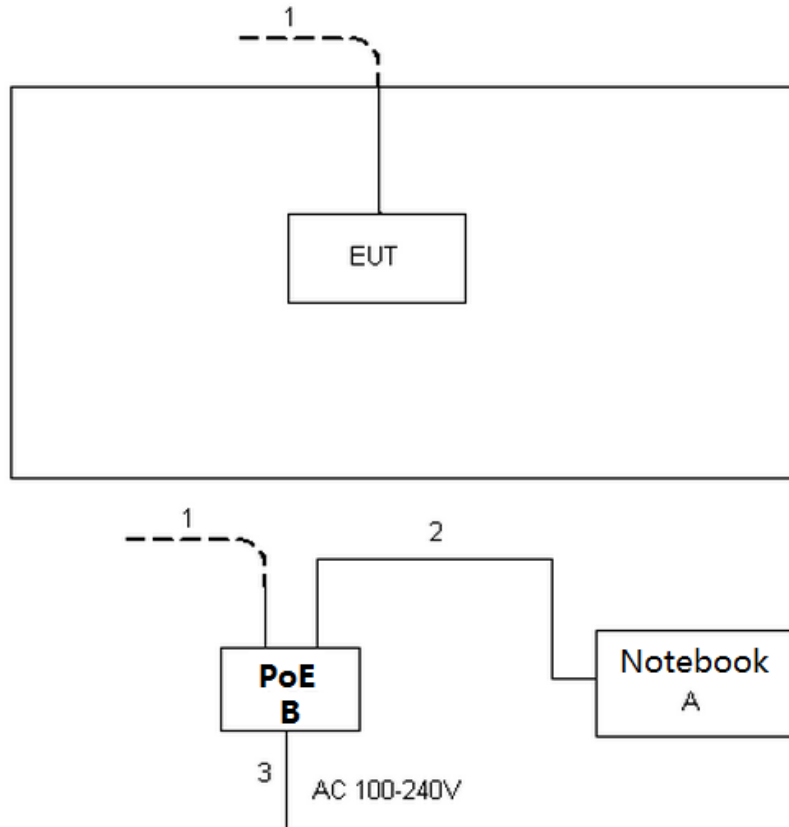
For IEEE 802.11ax(HE20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 183 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 183 Hz.

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Dell	Inspiron 15-7559	N/A
B	PoE	N/A	N/A	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	RJ45 Cable	NO	NO	10m
2	Network Cable	NO	NO	1m
3	AC Cable	NO	NO	1.5m

3. AC POWER LINE CONDUCTED EMISSIONS

3.1 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.

3.2 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.

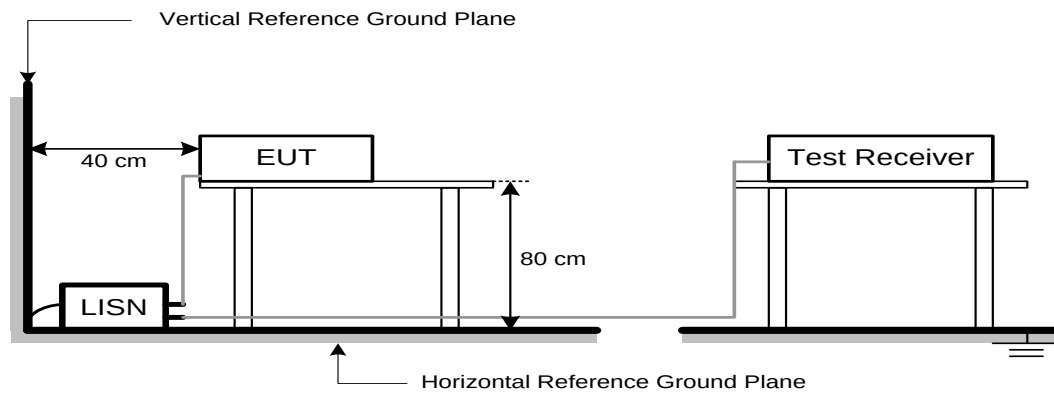
The following table is the setting of the receiver:

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

3.3 DEVIATION FROM TEST STANDARD

No deviation.

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS

4.1 LIMIT

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

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

NOTE:

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

4.2 TEST PROCEDURE

- 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)
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1 GHz)
- 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.
- 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).
- 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.
- 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.
- 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)
- 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)
- 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

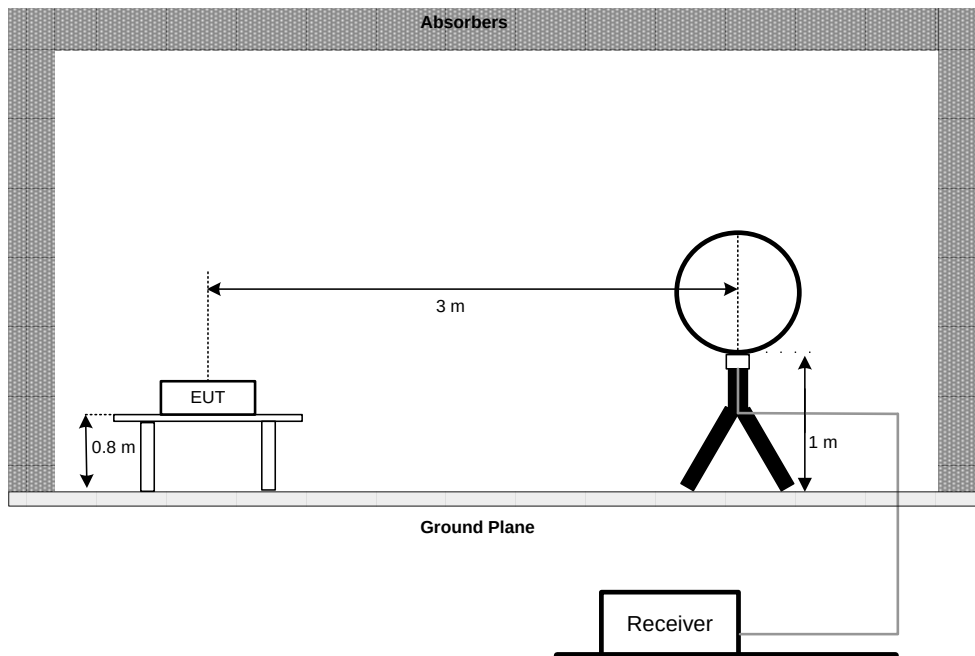
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

4.3 DEVIATION FROM TEST STANDARD

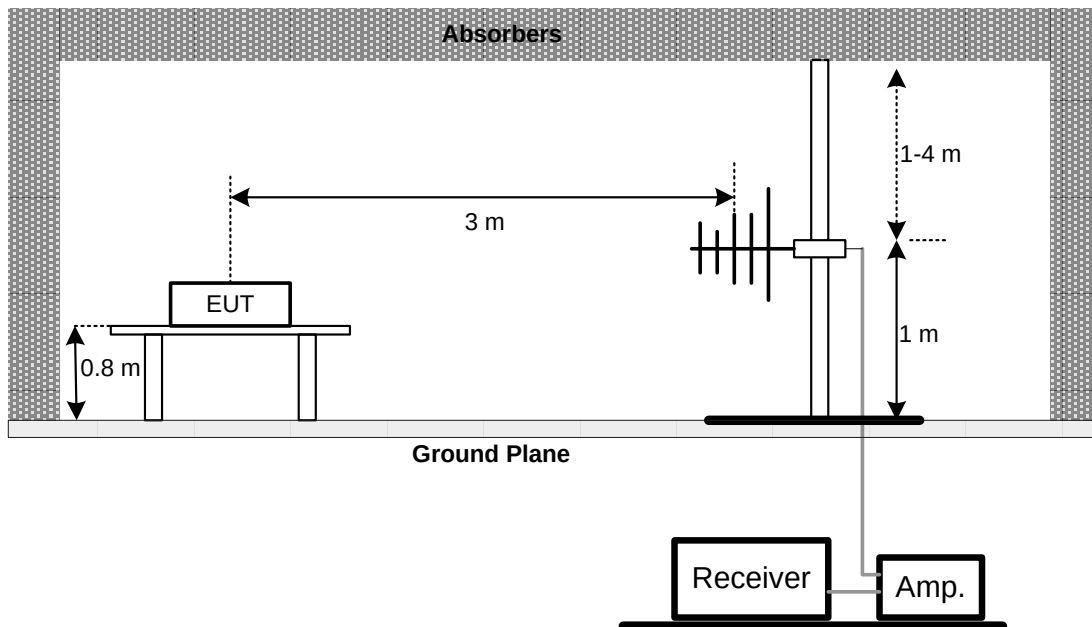
No deviation.

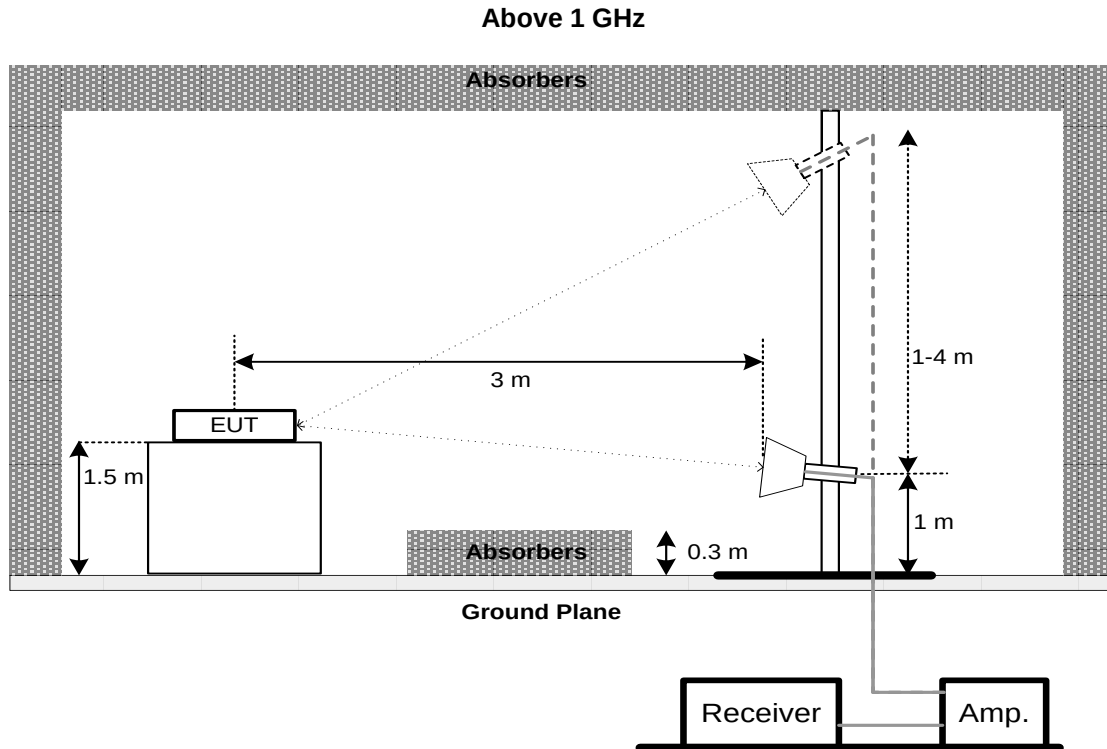
4.4 TEST SETUP

9 kHz to 30 MHz



30 MHz to 1 GHz





4.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 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.

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

4.8 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.

5. BANDWIDTH

5.1 LIMIT

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

5.2 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

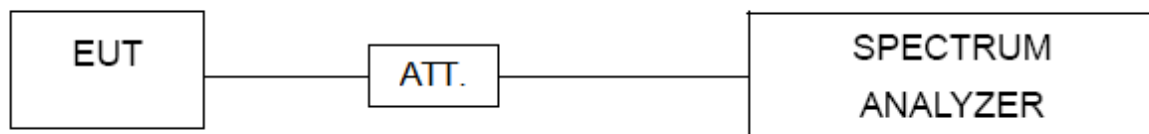
For 99% Emission Bandwidth:

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

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER

6.1 LIMIT

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

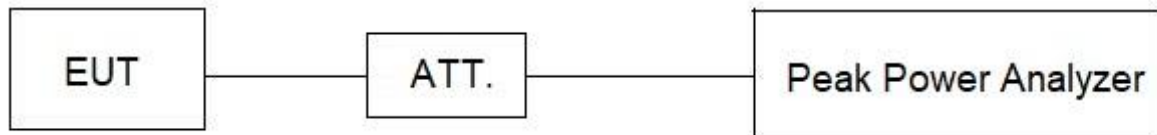
6.2 TEST PROCEDURE

- 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.

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 F.

7. CONDUCTED SPURIOUS EMISSIONS

7.1 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.

7.2 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

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 G.

8. POWER SPECTRAL DENSITY

8.1 LIMIT

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

8.2 TEST PROCEDURE

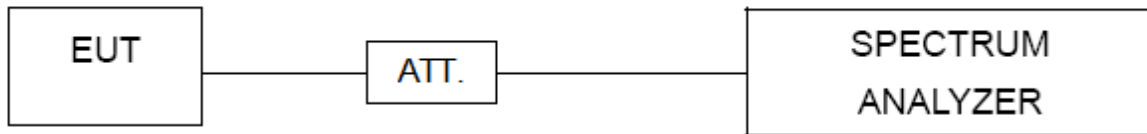
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

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

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 H.

9. MEASUREMENT INSTRUMENTS LIST

No.	Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Receiver	Rohde&Schwarz	ESCI	1166.5950.03	2022/11/09
2	AMN	Rohde&Schwarz	ENV216	3560.6550.05	2022/11/09
3	AMN	Schwarzbeck	NSLK8127	#829	2022/11/09
4	ECSI RF IN RF Cable	Rohde&Schwarz	RP-X1	N/A	2022/11/09
5	ECSI RF IN RF Cable	Rohde&Schwarz	Sapre sm	N/A	2022/11/09
6	EMI Receiver	Rohde&Schwarz	ESR7	102013	2022/11/09
7	Spectrum analyzer	Rohde&Schwarz	FSV30	103741	2022/11/09
8	Spectrum analyzer	KEYSIGHT	N9010A-44	MY51440158	2022/11/09
9	Log periodic antenna	Schwarzbeck	VULB 9163	VULB 9163-361	2022/11/20
10	Loop Antenna	Schwarzbeck	FMZB1519 B	00029	2023/07/03
11	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-1201	2022/11/20
12	Horn Antenna	Schwarzbeck	BBHA 9170	9170#685	2022/11/20
13	Preamplifier	Schwarzbeck	BBV9745	#78	2022/11/09
14	Preamplifier	Schwarzbeck	BBV9721	9721-019	2022/11/09
15	Preamplifier	/	LNA 0920N	2014	2023/05/03
16	Preamplifier	Schwarzbeck	BBV 9718	284	2023/05/03
17	Preamplifier	RF System/UK	TRLA-0101 80G50B	22062101	2023/07/20
18	ECSI RF IN RF Cable	Rohde&Schwarz	AP-X1	N/A	2022/11/09
19	ECSI RF IN RF Cable	HAOXUN	Z-108	N/A	2022/11/09
20	RF Cable	ZDECL	ZT40-2.92J -2.92J-6M	18124358	2023/07/20
21	Spectrum Analyzer	Agilent	N9010A	MY51440158	2022/11/09
22	Spectrum Analyzer	Agilent	N9010A	MY52221119	2022/11/09
23	EMI Receiver	Rohde&Schwarz	ESU	100184	2023/07/20
24	Temp&Humidity Recorder	Anymetre	JR900	N/A	2022/11/03
25	Power Collection Unit	Tonscend	JS0806-2	188060134	2023/08/21
26	Temp&Humidity Chamber	ETOMA	NTH1100-3 0A	16080628	2022/11/03
27	Filter	STI	STI15-9845	N/A	N/A
28	Filter	STI	5.1G	N/A	N/A
29	Filter	STI	STI15-9845	N/A	N/A
30	Testing Software	EZ-EMC	TW-03A2	N/A	N/A

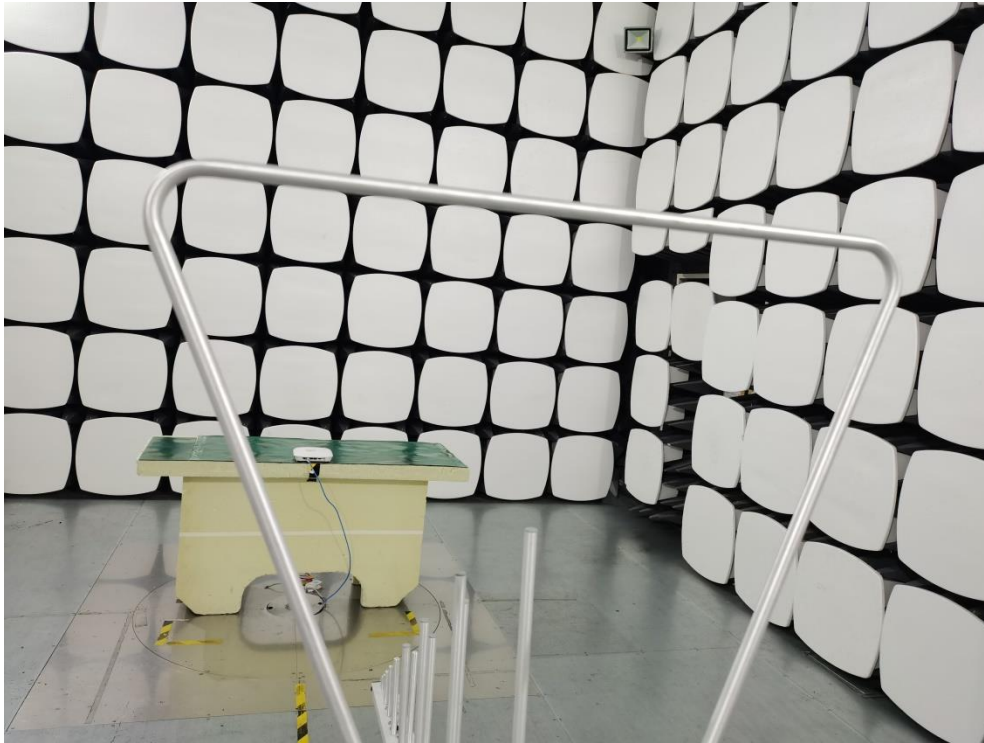
Remark: "N/A" denotes no model name, serial no. or calibration specified.

"**" calibration period of equipment list is three year.

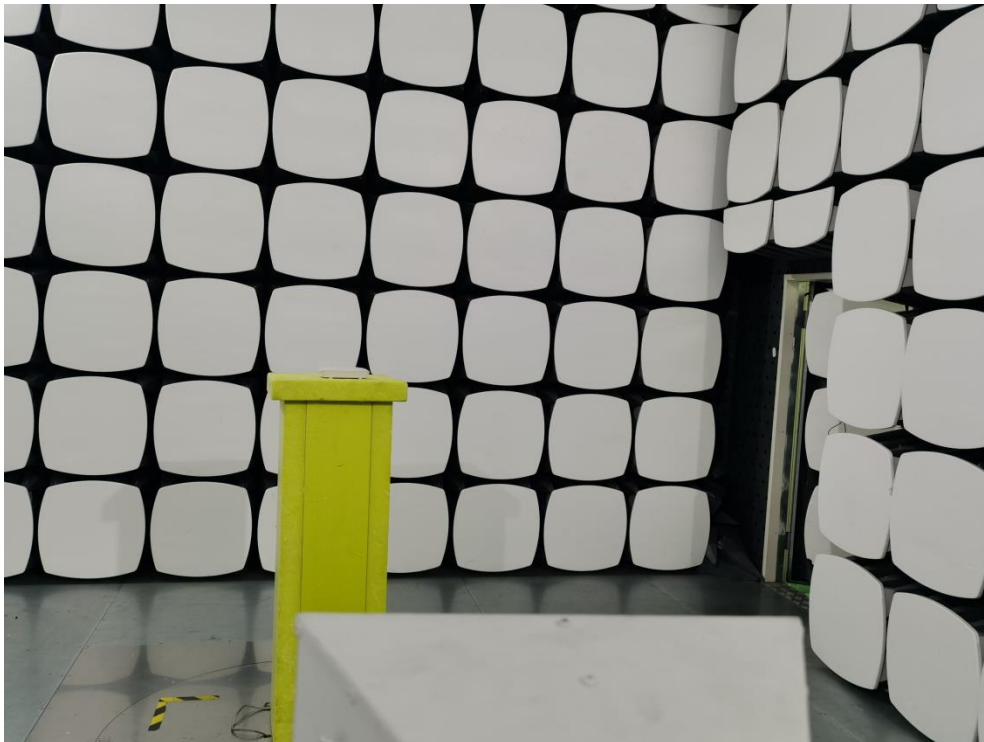
Except * item, all calibration period of equipment list is one year.

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

**Radiated Emissions Test Photos
30 MHz to 1000 MHz**

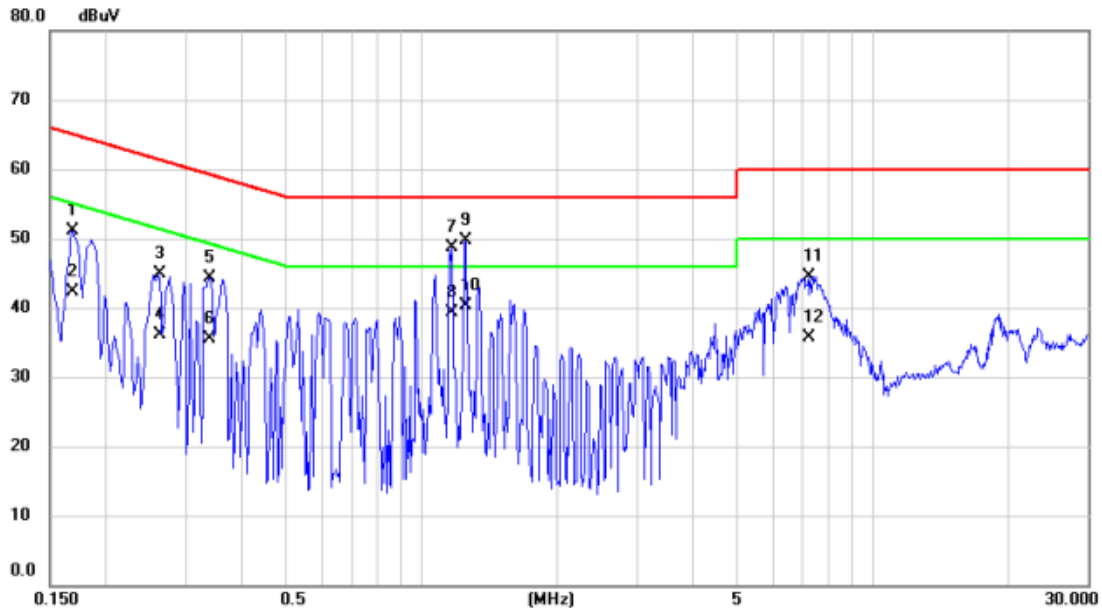


**Radiated Emissions Test Photos
Above 1GHz**



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX B Mode Channel 06	Phase	Line
-----------	----------------------	-------	------

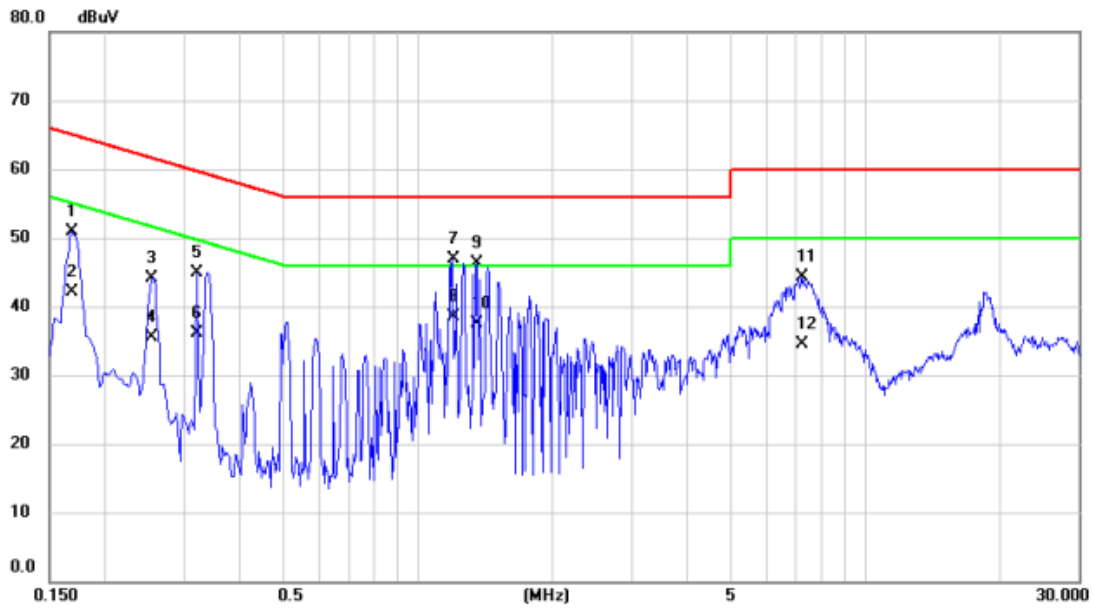


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1680	31.87	19.31	51.18	65.06	-13.88	QP	
2	0.1680	22.95	19.31	42.26	55.06	-12.80	AVG	
3	0.2625	25.49	19.32	44.81	61.35	-16.54	QP	
4	0.2625	16.78	19.32	36.10	51.35	-15.25	AVG	
5	0.3390	25.00	19.32	44.32	59.23	-14.91	QP	
6	0.3390	16.21	19.32	35.53	49.23	-13.70	AVG	
7	1.1670	29.07	19.68	48.75	56.00	-7.25	QP	
8	1.1670	19.65	19.68	39.33	46.00	-6.67	AVG	
9	1.2570	29.91	19.74	49.65	56.00	-6.35	QP	
10 *	1.2570	20.50	19.74	40.24	46.00	-5.76	AVG	
11	7.2465	23.63	20.85	44.48	60.00	-15.52	QP	
12	7.2465	14.86	20.85	35.71	50.00	-14.29	AVG	

REMARKS:

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

Test Mode	TX B Mode Channel 06	Phase	Neutral
-----------	----------------------	-------	---------



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1680	31.41	19.48	50.89	65.06	-14.17	QP	
2	0.1680	22.72	19.48	42.20	55.06	-12.86	AVG	
3	0.2535	24.61	19.48	44.09	61.64	-17.55	QP	
4	0.2535	16.06	19.48	35.54	51.64	-16.10	AVG	
5	0.3210	25.44	19.50	44.94	59.68	-14.74	QP	
6	0.3210	16.65	19.50	36.15	49.68	-13.53	AVG	
7	1.2030	27.01	19.94	46.95	56.00	-9.05	QP	
8 *	1.2030	18.52	19.94	38.46	46.00	-7.54	AVG	
9	1.3560	26.32	20.06	46.38	56.00	-9.62	QP	
10	1.3560	17.41	20.06	37.47	46.00	-8.53	AVG	
11	7.2150	23.48	20.84	44.32	60.00	-15.68	QP	
12	7.2150	13.60	20.84	34.44	50.00	-15.56	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

Radiated emission: 9kHz-30MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode	TX B Mode Channel 06	Polarization	Vertical
-----------	----------------------	--------------	----------



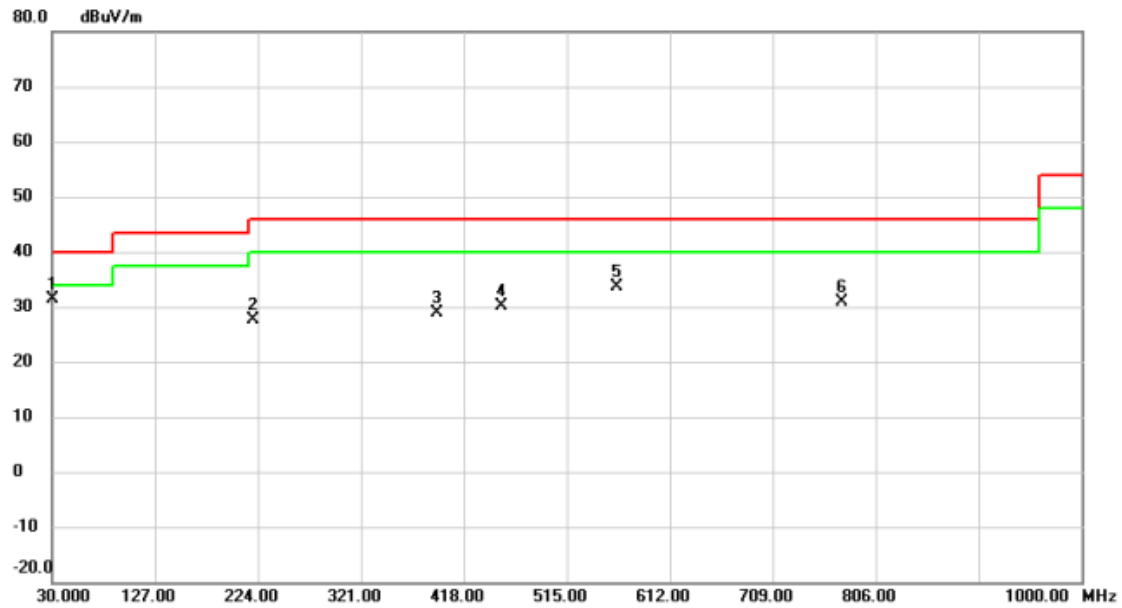
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	31.940	18.69	14.85	33.54	40.00	-6.46	peak	
2	43.580	14.88	15.26	30.14	40.00	-9.86	peak	
3	215.270	12.71	17.29	30.00	43.50	-13.50	peak	
4	454.860	6.16	22.45	28.61	46.00	-17.39	peak	
5	562.530	9.84	24.29	34.13	46.00	-11.87	peak	
6	773.990	1.99	28.22	30.21	46.00	-15.79	peak	

REMARKS:

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

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

Test Mode	TX B Mode Channel 06	Polarization	Horizontal
-----------	----------------------	--------------	------------



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	30.000	19.57	11.77	31.34	40.00	-8.66	peak	
2		219.150	10.24	17.35	27.59	46.00	-18.41	peak	
3		392.780	7.88	21.11	28.99	46.00	-17.01	peak	
4		452.920	7.69	22.35	30.04	46.00	-15.96	peak	
5		562.530	9.24	24.29	33.53	46.00	-12.47	peak	
6		773.990	2.67	28.22	30.89	46.00	-15.11	peak	

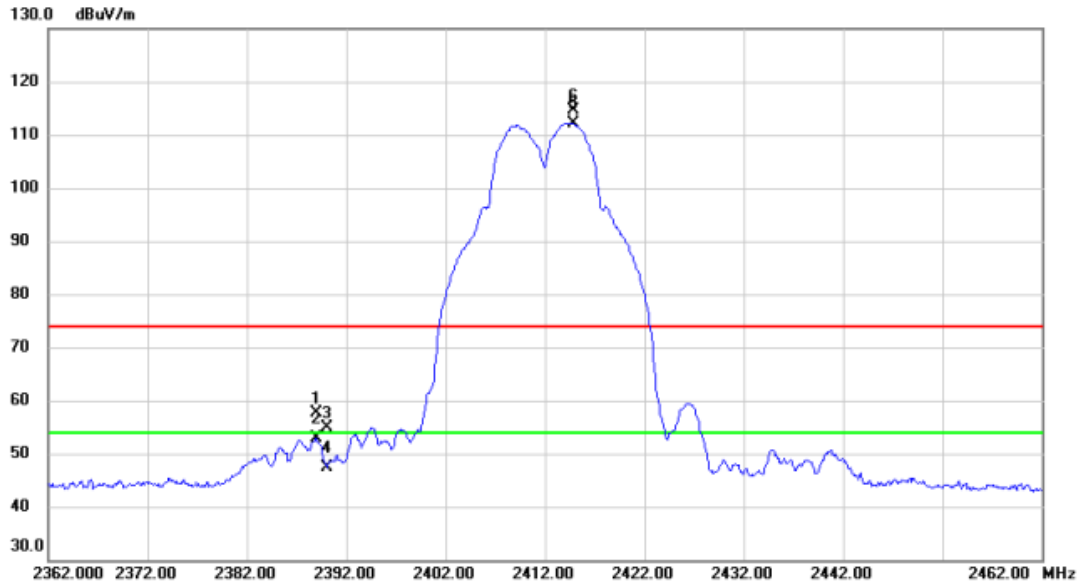
REMARKS:

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

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

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

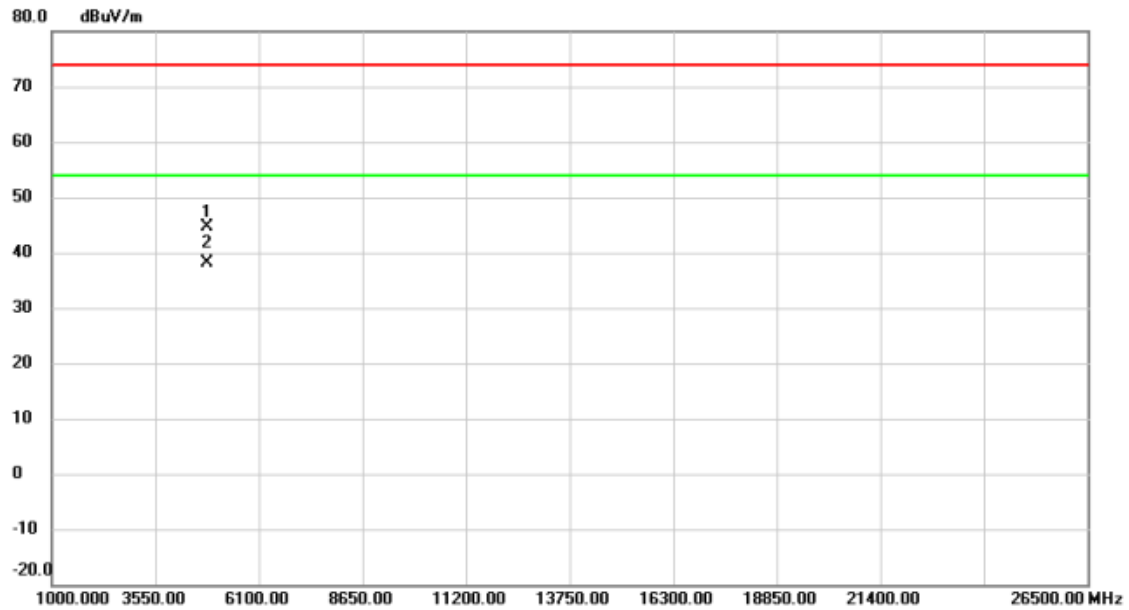


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2389.000	24.91	32.63	57.54	74.00	-16.46	peak	
2		2389.000	20.29	32.63	52.92	54.00	-1.08	AVG	
3		2390.000	22.32	32.63	54.95	74.00	-19.05	peak	
4		2390.000	14.75	32.63	47.38	54.00	-6.62	AVG	
5	*	2414.800	79.46	32.72	112.18	54.00	58.18	AVG	No Limit
6	X	2414.900	82.03	32.72	114.75	74.00	40.75	peak	No Limit

REMARKS:

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

Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

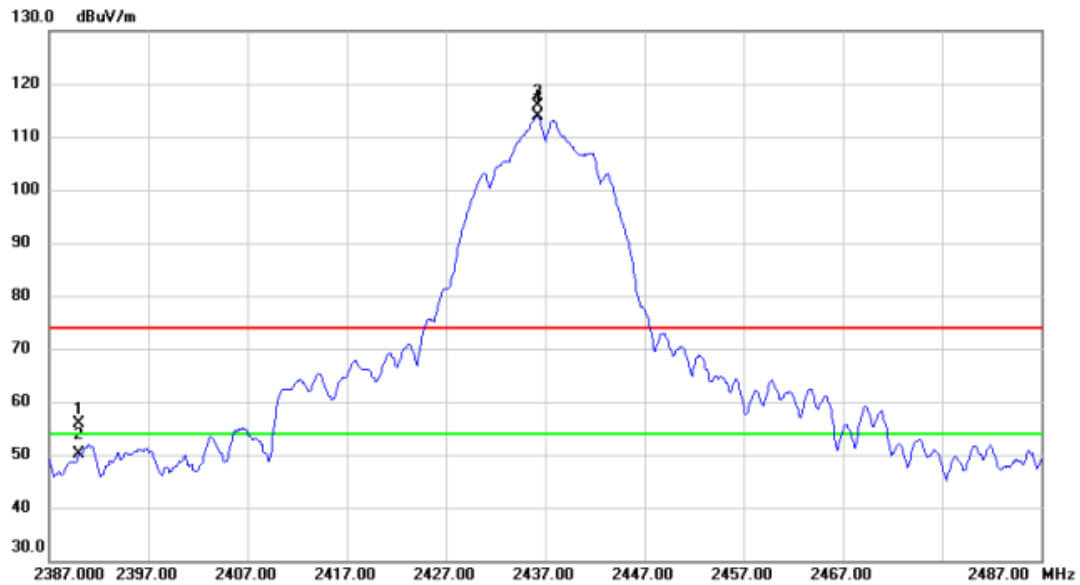


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4823.830	59.09	-14.43	44.66	74.00	-29.34	peak	
2	*	4823.980	52.59	-14.43	38.16	54.00	-15.84	AVG	

REMARKS:

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

Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

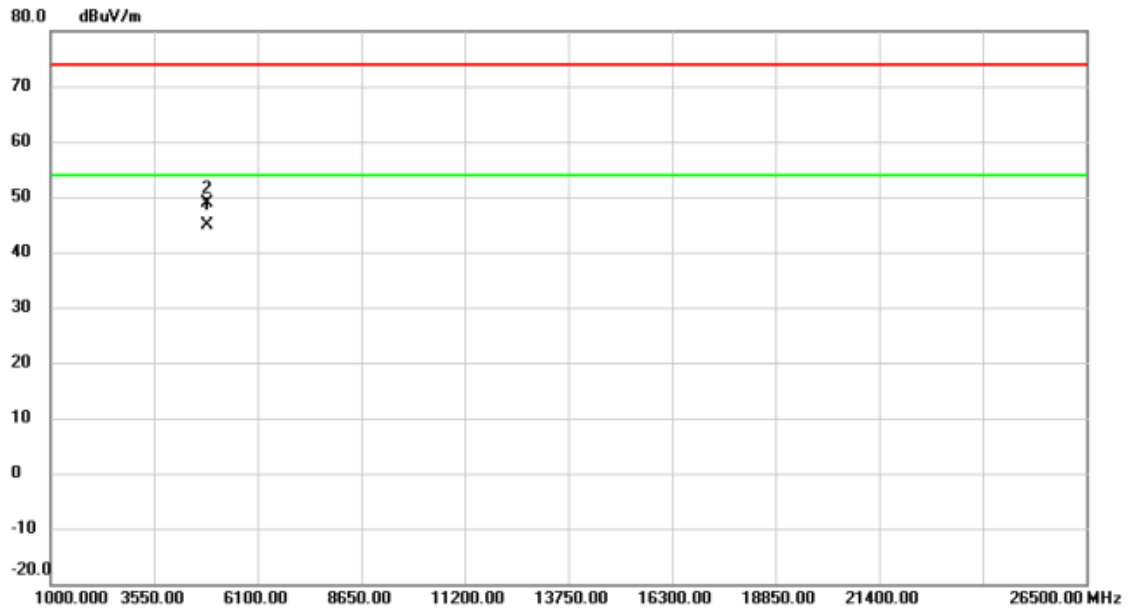


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	23.15	32.63	55.78	74.00	-18.22	peak	
2		2390.000	17.39	32.63	50.02	54.00	-3.98	AVG	
3	X	2436.300	83.05	32.80	115.85	74.00	41.85	peak	No Limit
4	*	2436.300	81.06	32.80	113.86	54.00	59.86	AVG	No Limit

REMARKS:

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

Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

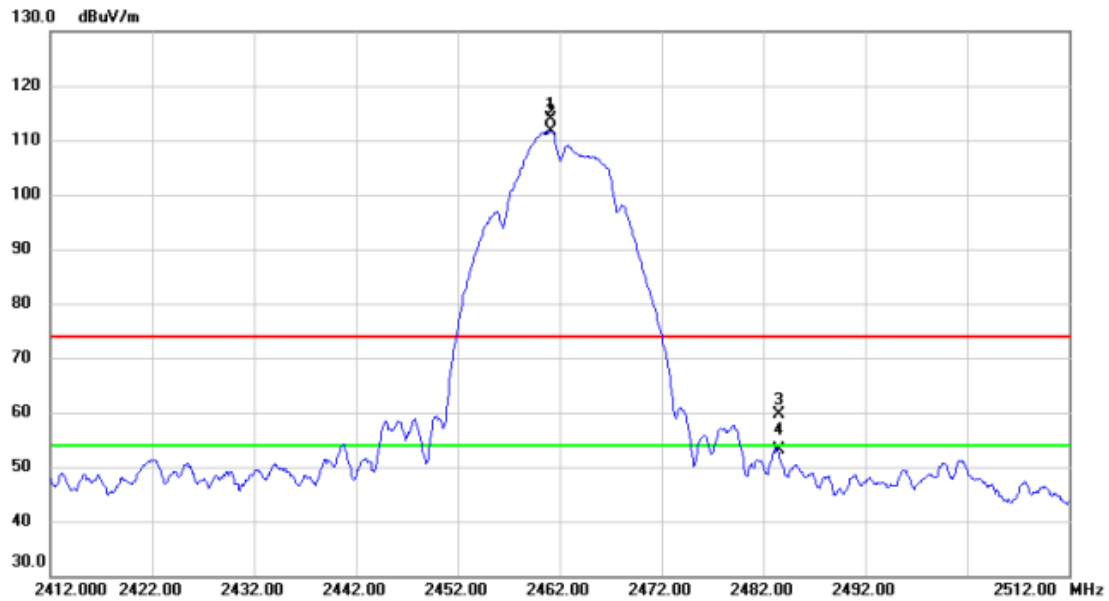


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4873.990	59.04	-14.26	44.78	54.00	-9.22	AVG	
2	4874.100	63.16	-14.26	48.90	74.00	-25.10	peak	

REMARKS:

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

Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

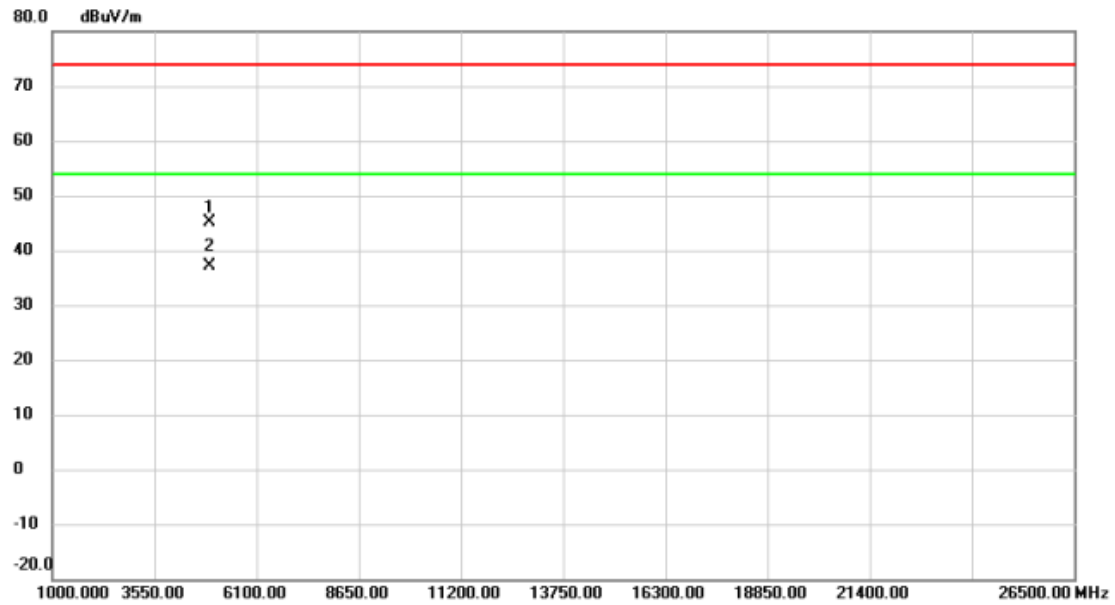


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 X	2461.200	80.95	32.88	113.83	74.00	39.83	peak	No Limit
2 *	2461.200	78.73	32.88	111.61	54.00	57.61	AVG	No Limit
3	2483.500	26.69	32.97	59.66	74.00	-14.34	peak	
4	2483.500	20.11	32.97	53.08	54.00	-0.92	AVG	

REMARKS:

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

Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

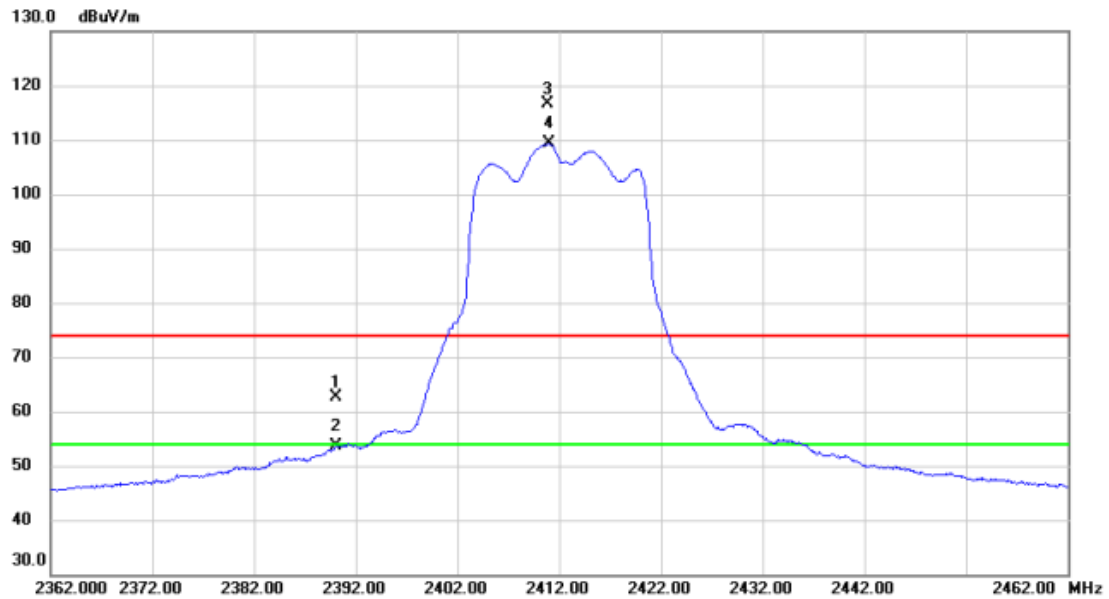


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4923.650	59.20	-14.08	45.12	74.00	-28.88	peak	
2	*	4924.020	51.28	-14.08	37.20	54.00	-16.80	AVG	

REMARKS:

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

Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------



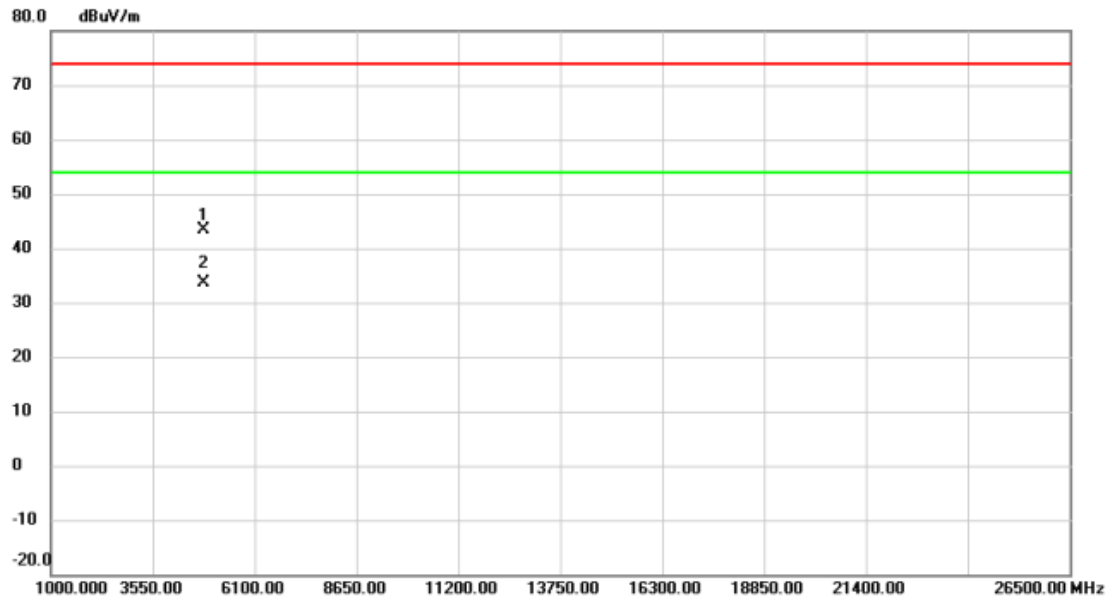
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	30.12	32.63	62.75	74.00	-11.25	peak	
2		2390.000	20.91	32.63	53.54	54.00	-0.46	AVG	
3	X	2410.900	84.04	32.70	116.74	74.00	42.74	peak	No Limit
4	*	2411.000	76.56	32.70	109.26	54.00	55.26	AVG	No Limit

REMARKS:

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

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

Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

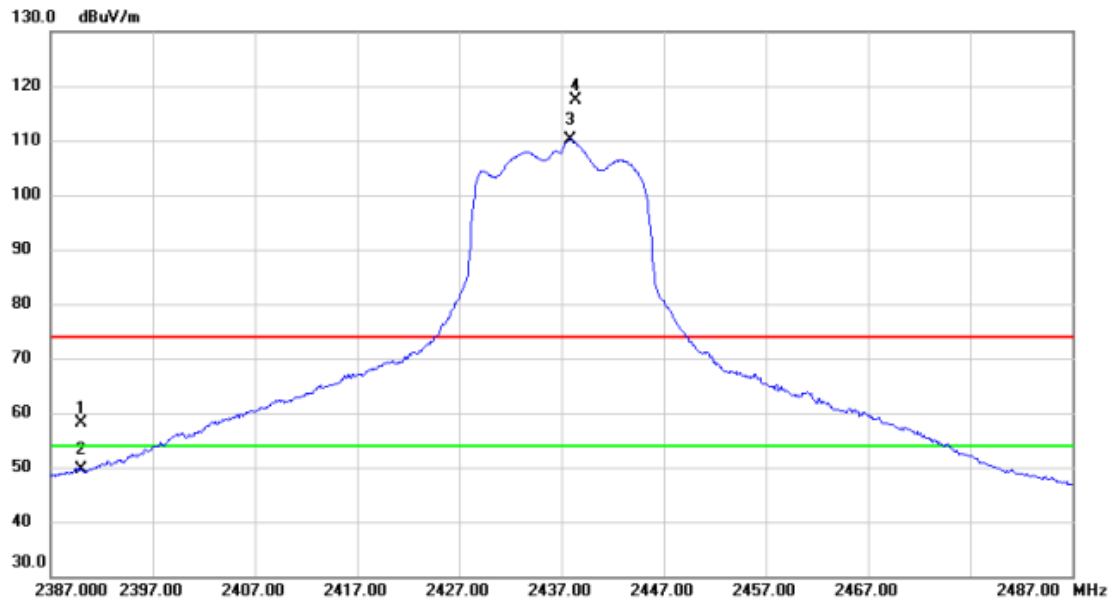


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4823.220	57.80	-14.43	43.37	74.00	-30.63	peak	
2	*	4825.460	48.04	-14.41	33.63	54.00	-20.37	AVG	

REMARKS:

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

Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

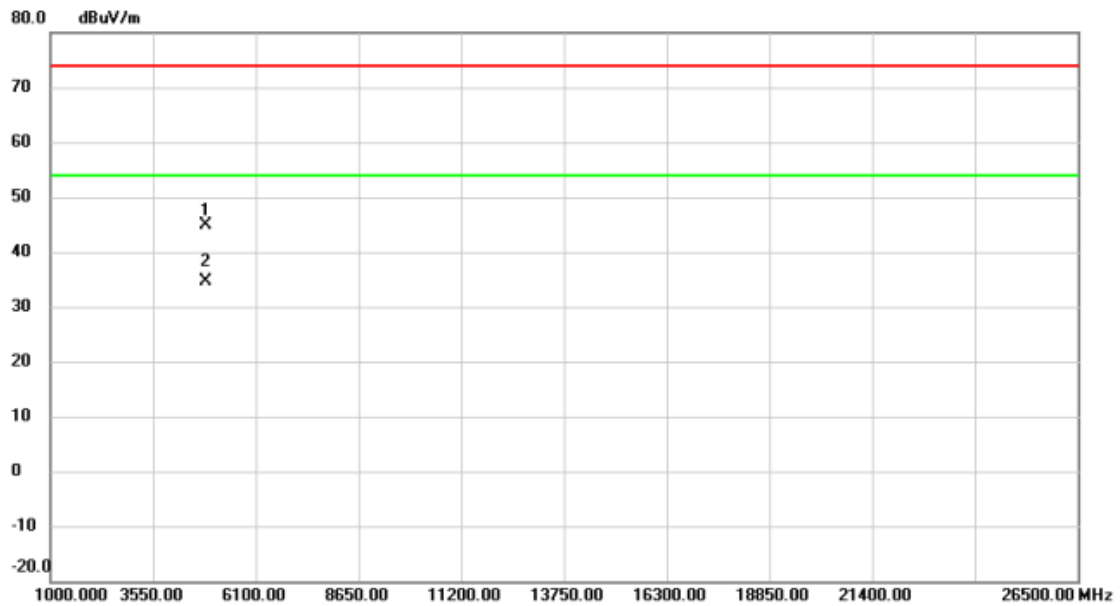


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.000	25.61	32.63	58.24	74.00	-15.76	peak	
2	2390.000	16.92	32.63	49.55	54.00	-4.45	AVG	
3 *	2437.900	77.35	32.80	110.15	54.00	56.15	AVG	No Limit
4 X	2438.400	84.69	32.80	117.49	74.00	43.49	peak	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	Horizontal
-----------	--------------------	--------------	------------

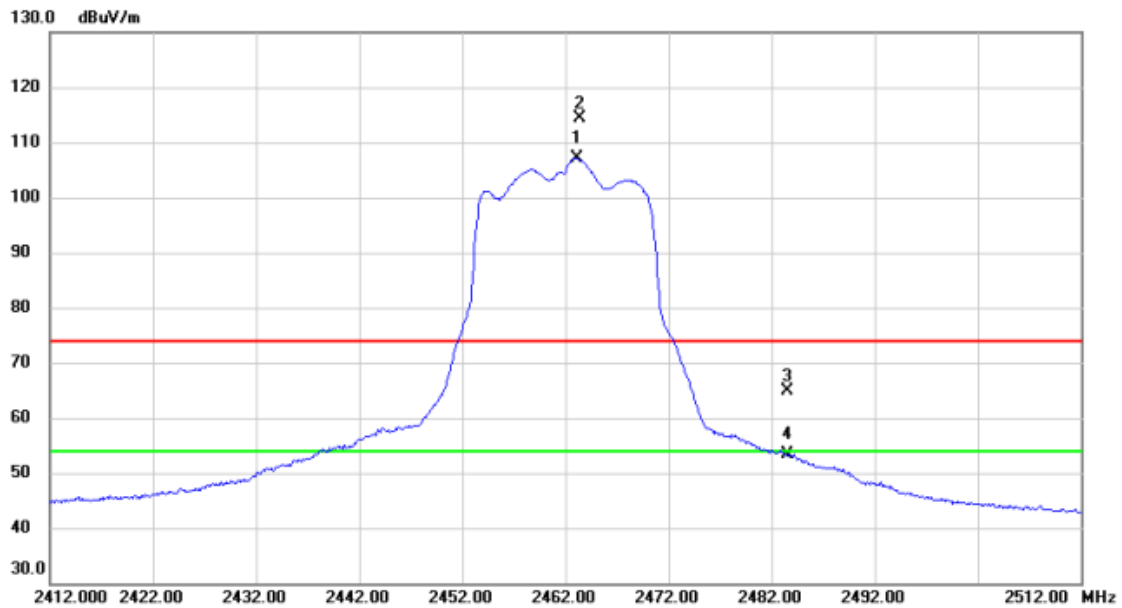


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4870.980	59.04	-14.26	44.78	74.00	-29.22	peak	
2	*	4872.500	48.87	-14.26	34.61	54.00	-19.39	AVG	

REMARKS:

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

Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------



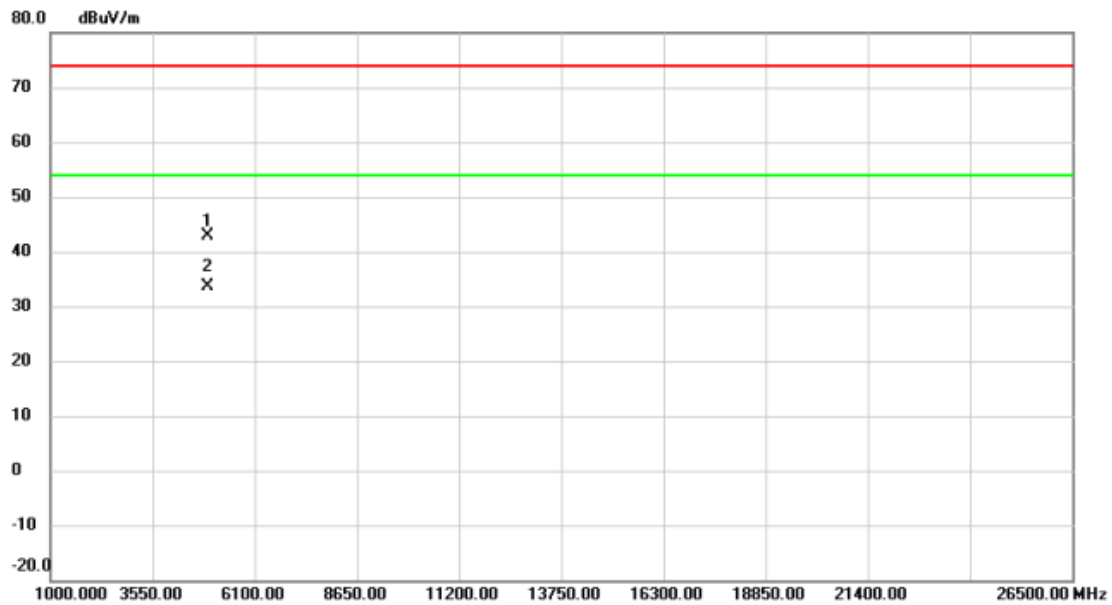
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2463.100	74.31	32.90	107.21	54.00	53.21	AVG	No Limit
2 X	2463.400	81.50	32.90	114.40	74.00	40.40	peak	No Limit
3	2483.500	31.82	32.97	64.79	74.00	-9.21	peak	
4	2483.500	20.35	32.97	53.32	54.00	-0.68	AVG	

REMARKS:

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

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

Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

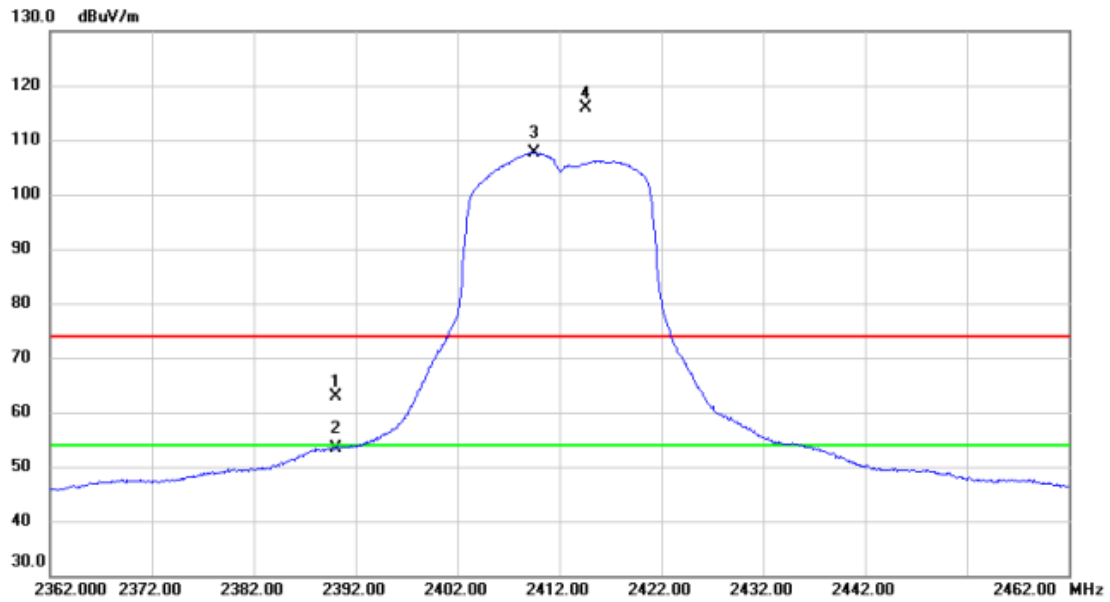


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4919.600	57.08	-14.08	43.00	74.00	-31.00	peak	
2	*	4924.020	47.64	-14.08	33.56	54.00	-20.44	AVG	

REMARKS:

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

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

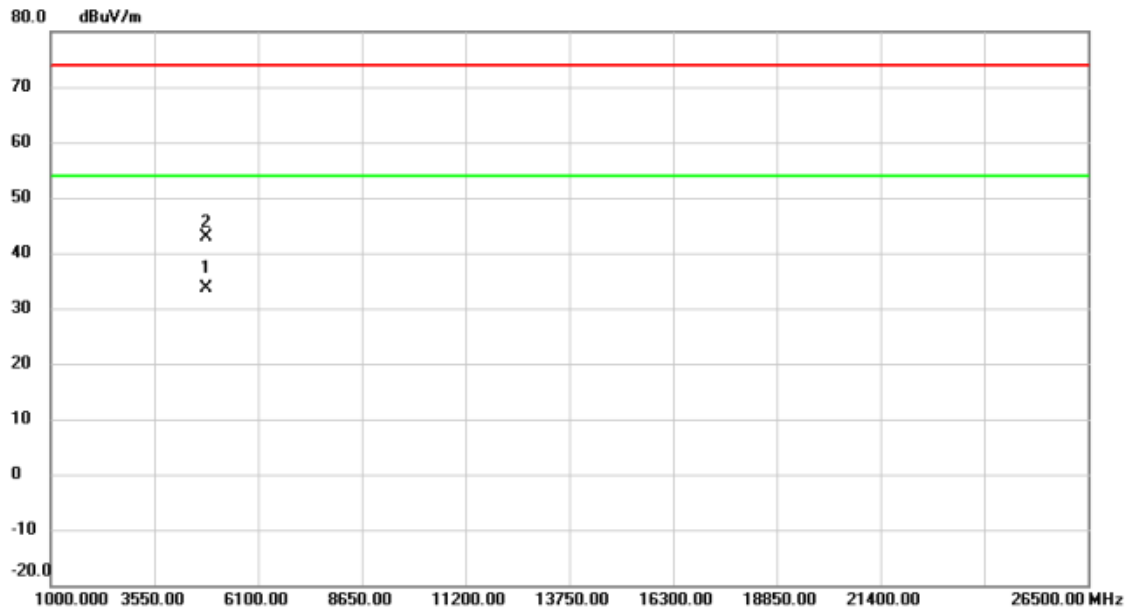


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.000	30.16	32.63	62.79	74.00	-11.21	peak	
2	2390.000	20.71	32.63	53.34	54.00	-0.66	AVG	
3 *	2409.500	74.93	32.70	107.63	54.00	53.63	AVG	No Limit
4 X	2414.600	83.07	32.72	115.79	74.00	41.79	peak	No Limit

REMARKS:

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

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

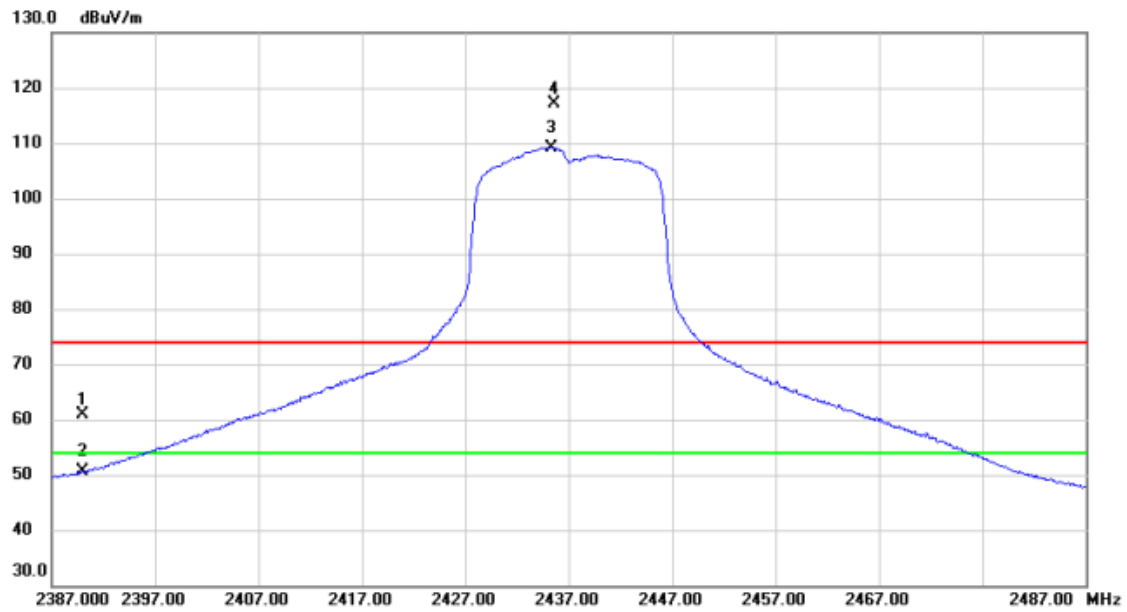


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4826.000	47.95	-14.41	33.54	54.00	-20.46	AVG	
2		4827.420	57.29	-14.41	42.88	74.00	-31.12	peak	

REMARKS:

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

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



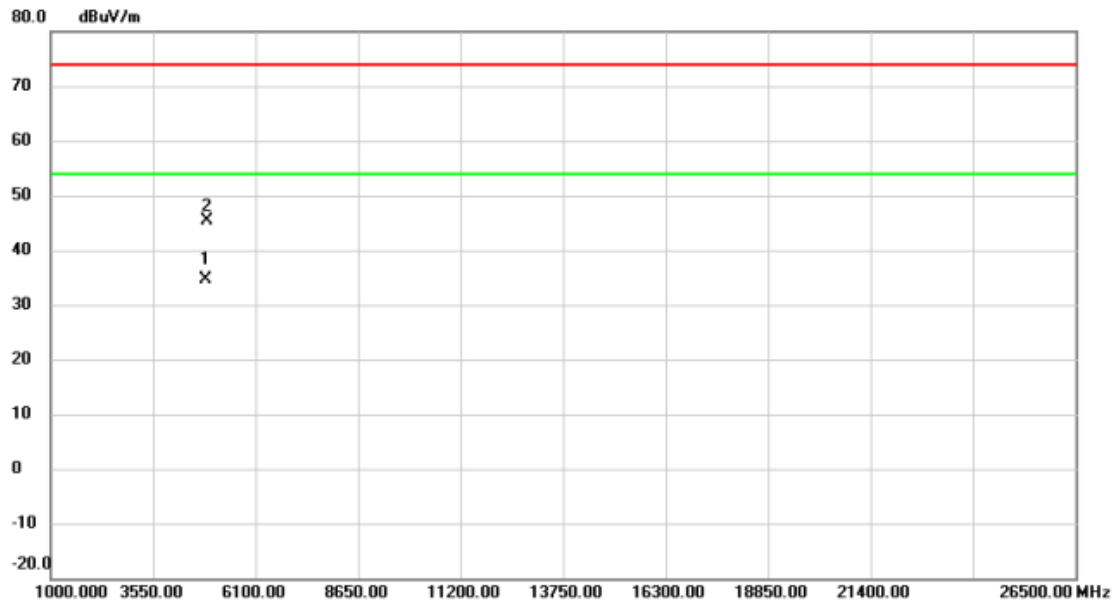
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.000	28.35	32.63	60.98	74.00	-13.02	peak	
2	2390.000	17.90	32.63	50.53	54.00	-3.47	AVG	
3 *	2435.300	76.45	32.80	109.25	54.00	55.25	AVG	No Limit
4 X	2435.600	84.35	32.80	117.15	74.00	43.15	peak	No Limit

REMARKS:

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

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

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

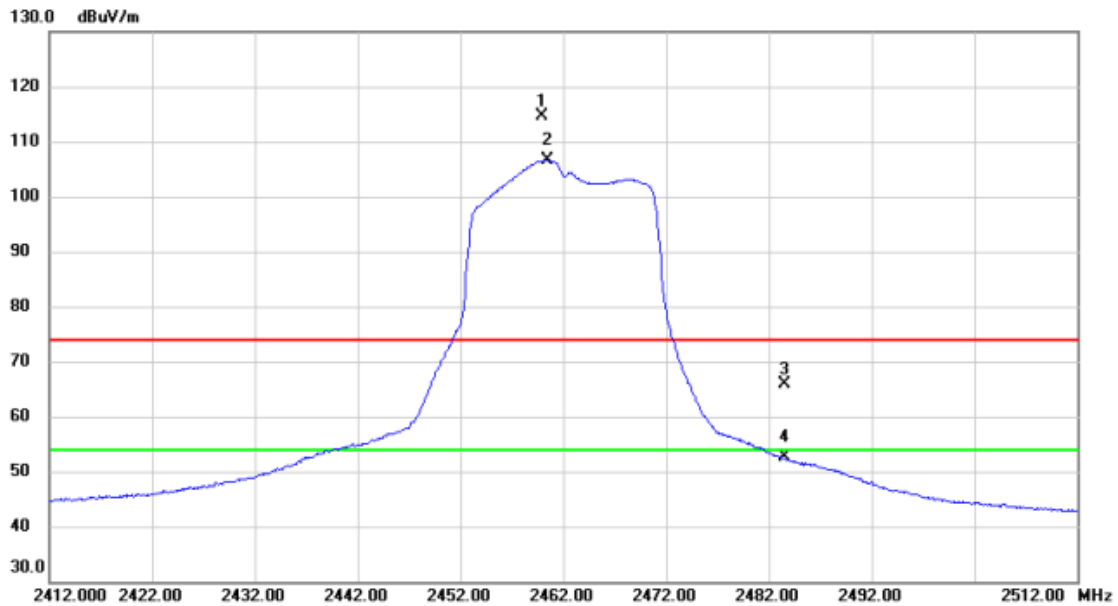


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4872.130	48.99	-14.26	34.73	54.00	-19.27	AVG	
2		4878.380	59.52	-14.23	45.29	74.00	-28.71	peak	

REMARKS:

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

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

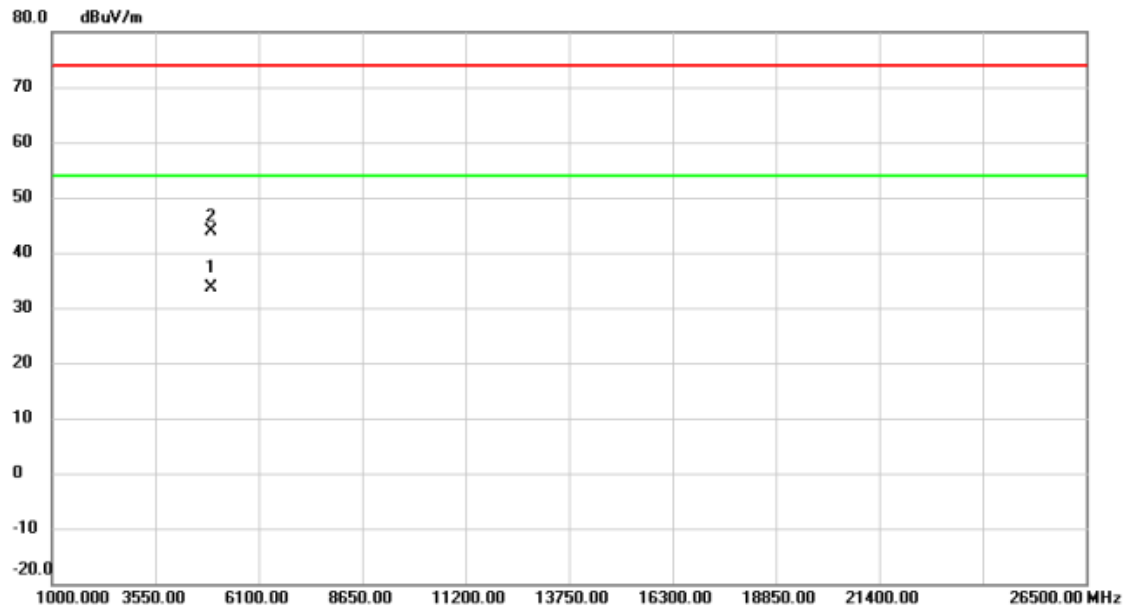


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 X	2459.900	81.73	32.88	114.61	74.00	40.61	peak	No Limit
2 *	2460.400	73.68	32.88	106.56	54.00	52.56	AVG	No Limit
3	2483.500	32.93	32.97	65.90	74.00	-8.10	peak	
4	2483.500	19.68	32.97	52.65	54.00	-1.35	AVG	

REMARKS:

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

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

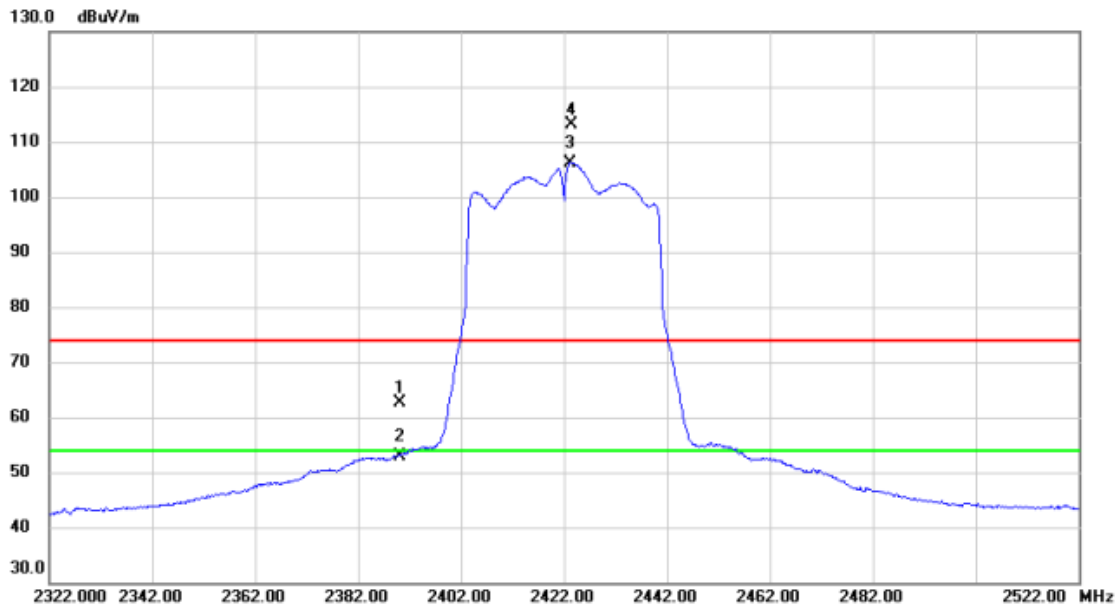


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4921.610	47.72	-14.08	33.64	54.00	-20.36	AVG	
2		4924.990	58.08	-14.08	44.00	74.00	-30.00	peak	

REMARKS:

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

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

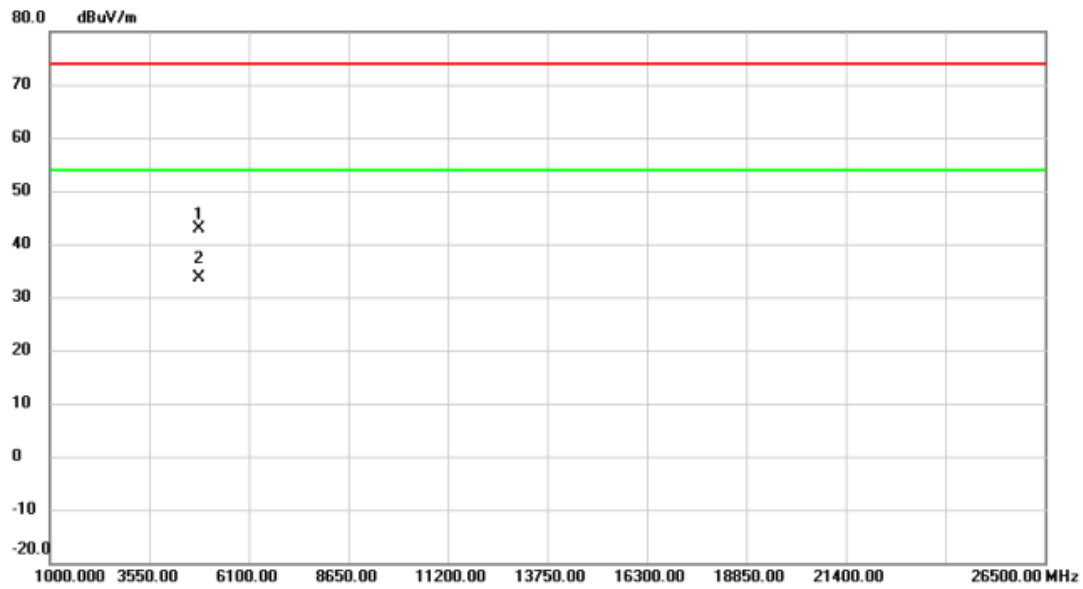


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	30.08	32.63	62.71	74.00	-11.29	peak	
2		2390.000	20.37	32.63	53.00	54.00	-1.00	AVG	
3	*	2423.200	73.50	32.75	106.25	54.00	52.25	AVG	No Limit
4	X	2423.600	80.44	32.75	113.19	74.00	39.19	peak	No Limit

REMARKS:

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

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

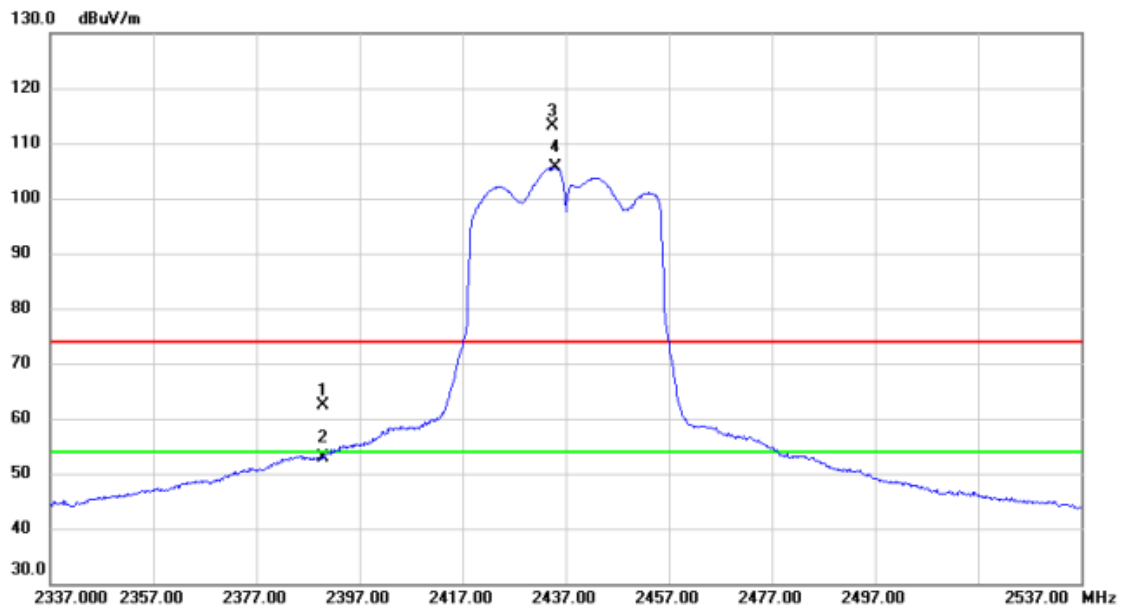


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4839.310	57.31	-14.37	42.94	74.00	-31.06	peak	
2 *	4840.160	48.00	-14.37	33.63	54.00	-20.37	AVG	

REMARKS:

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

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

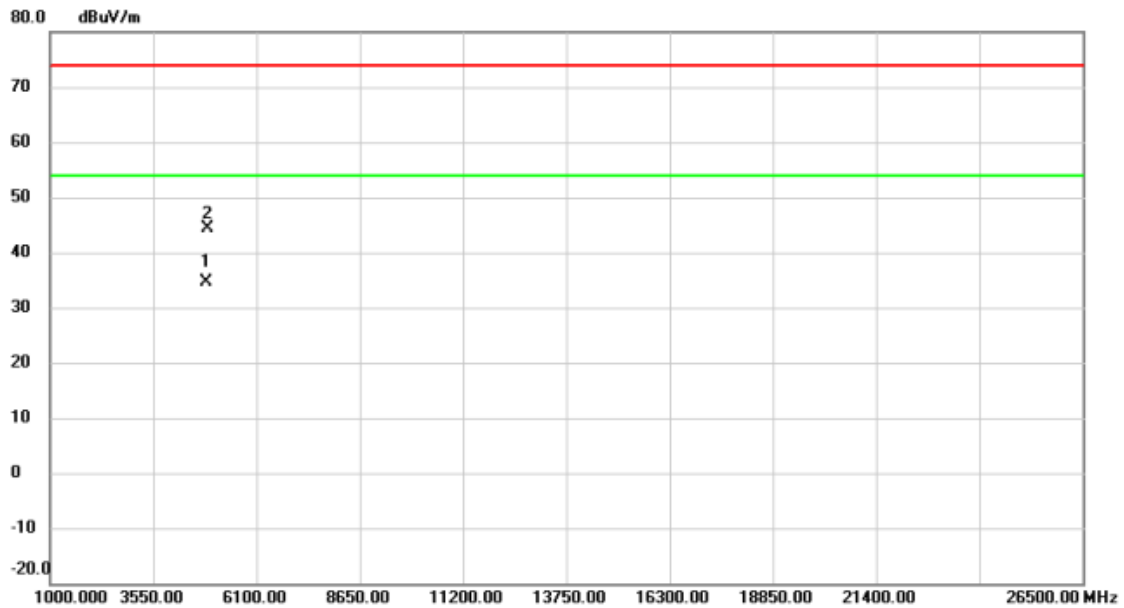


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.000	29.68	32.63	62.31	74.00	-11.69	peak	
2	2390.000	20.30	32.63	52.93	54.00	-1.07	AVG	
3 X	2434.400	80.30	32.80	113.10	74.00	39.10	peak	No Limit
4 *	2435.000	72.80	32.80	105.60	54.00	51.60	AVG	No Limit

REMARKS:

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

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



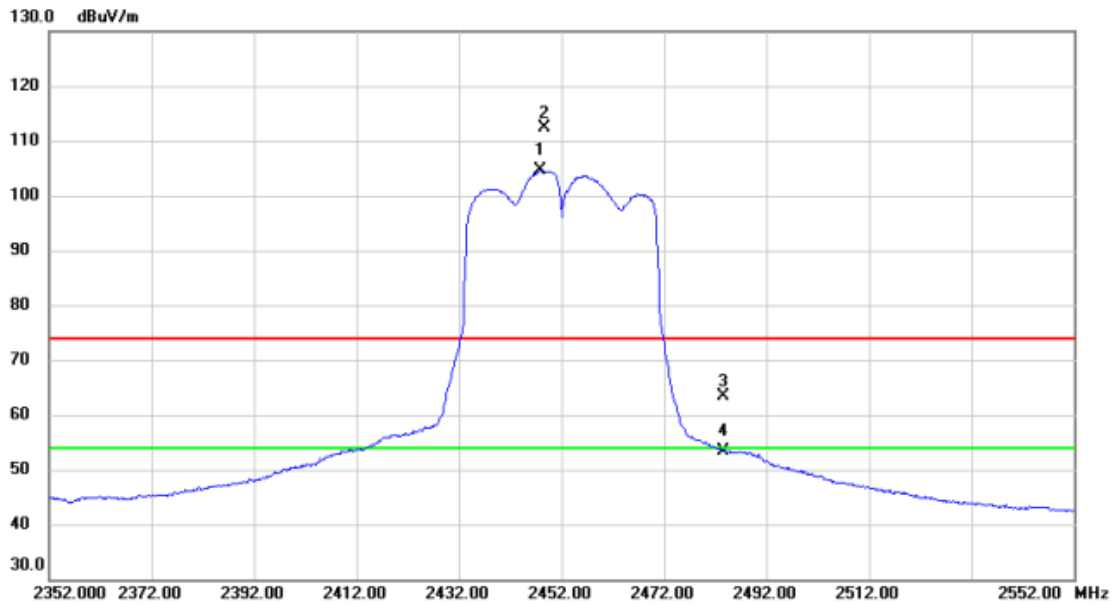
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4871.790	48.88	-14.26	34.62	54.00	-19.38	AVG	
2		4878.040	58.71	-14.23	44.48	74.00	-29.52	peak	

REMARKS:

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

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

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

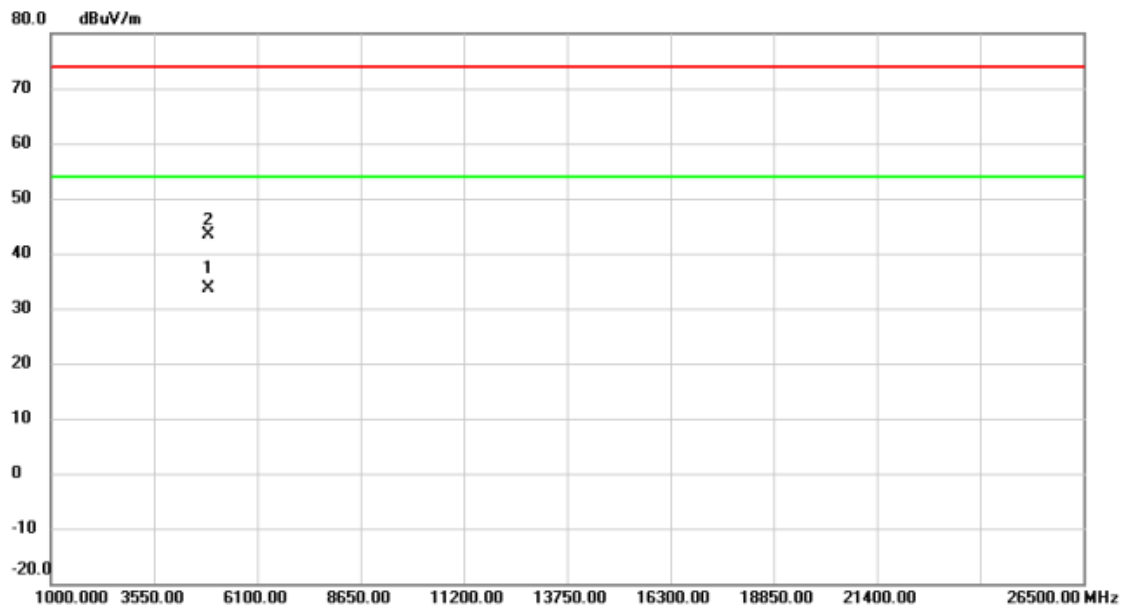


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2447.800	71.73	32.84	104.57	54.00	50.57	AVG	No Limit
2	X	2448.600	79.61	32.85	112.46	74.00	38.46	peak	No Limit
3		2483.500	30.47	32.97	63.44	74.00	-10.56	peak	
4		2483.500	20.42	32.97	53.39	54.00	-0.61	AVG	

REMARKS:

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

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

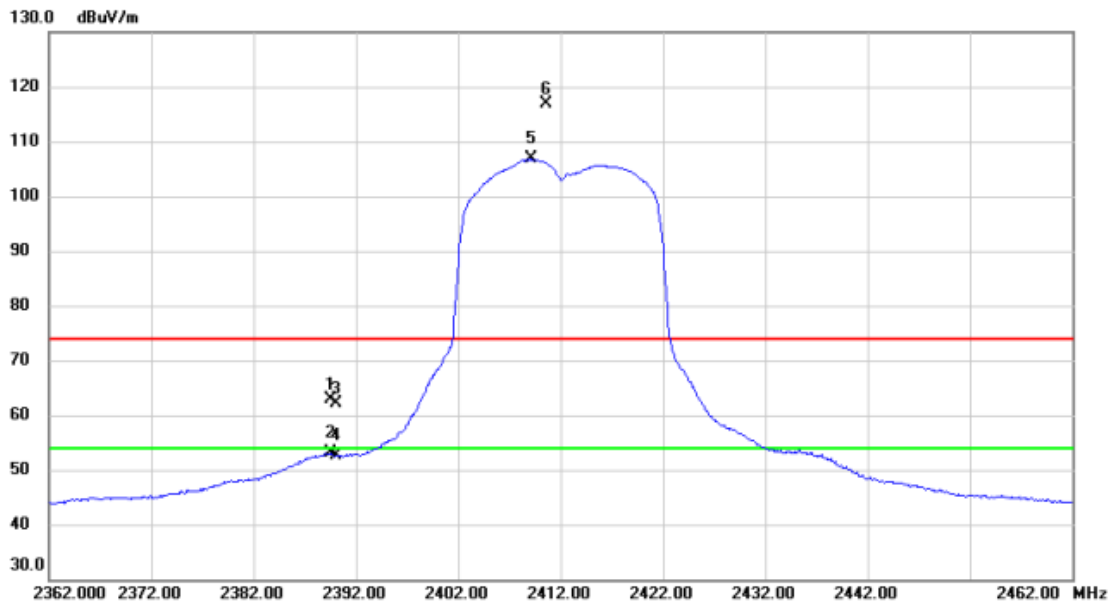


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4904.490	47.88	-14.14	33.74	54.00	-20.26	AVG	
2		4904.740	57.47	-14.14	43.33	74.00	-30.67	peak	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------



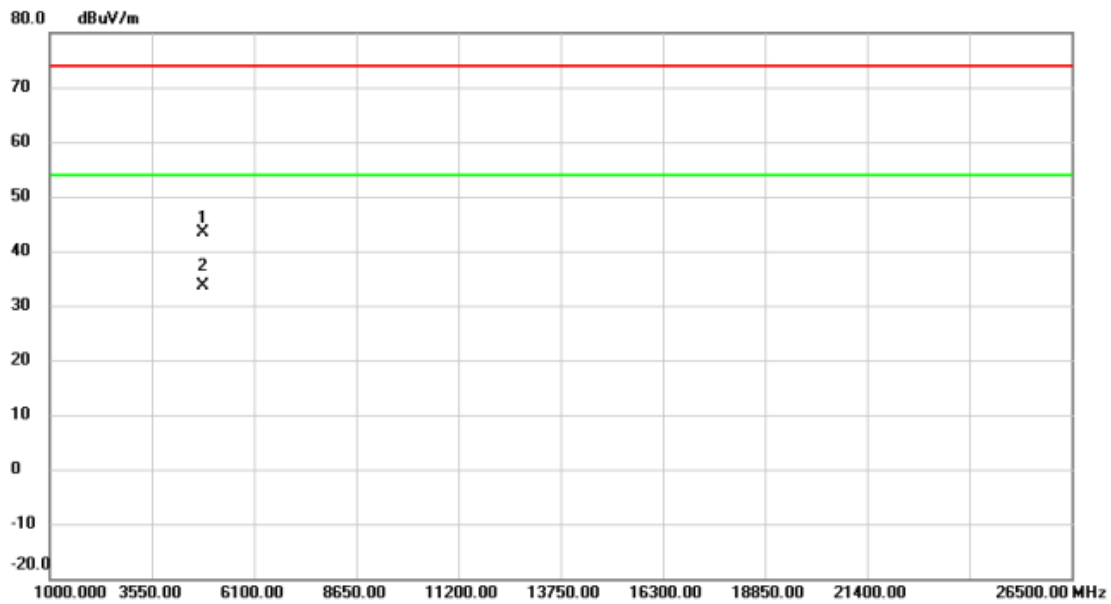
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2389.600	30.18	32.63	62.81	74.00	-11.19	peak	
2		2389.600	20.58	32.63	53.21	54.00	-0.79	AVG	
3		2390.000	29.55	32.63	62.18	74.00	-11.82	peak	
4		2390.000	20.07	32.63	52.70	54.00	-1.30	AVG	
5	*	2409.100	74.08	32.70	106.78	54.00	52.78	AVG	No Limit
6	X	2410.600	84.25	32.70	116.95	74.00	42.95	peak	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	Horizontal
-----------	---------------------------	--------------	------------



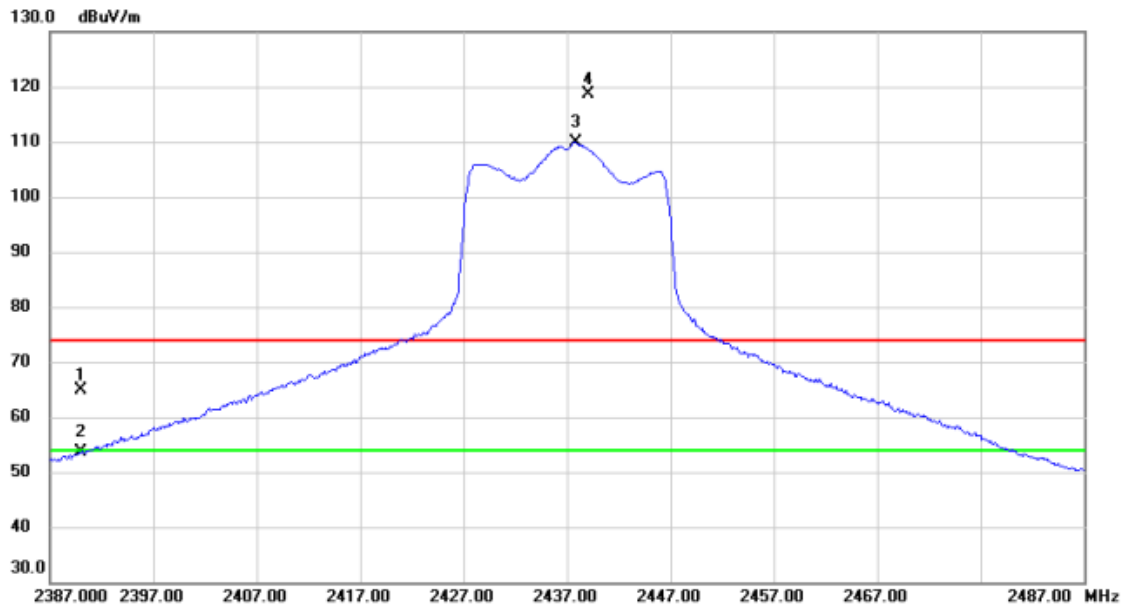
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4822.050	57.78	-14.43	43.35	74.00	-30.65	peak	
2 *	4824.470	48.00	-14.43	33.57	54.00	-20.43	AVG	

REMARKS:

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

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

Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------

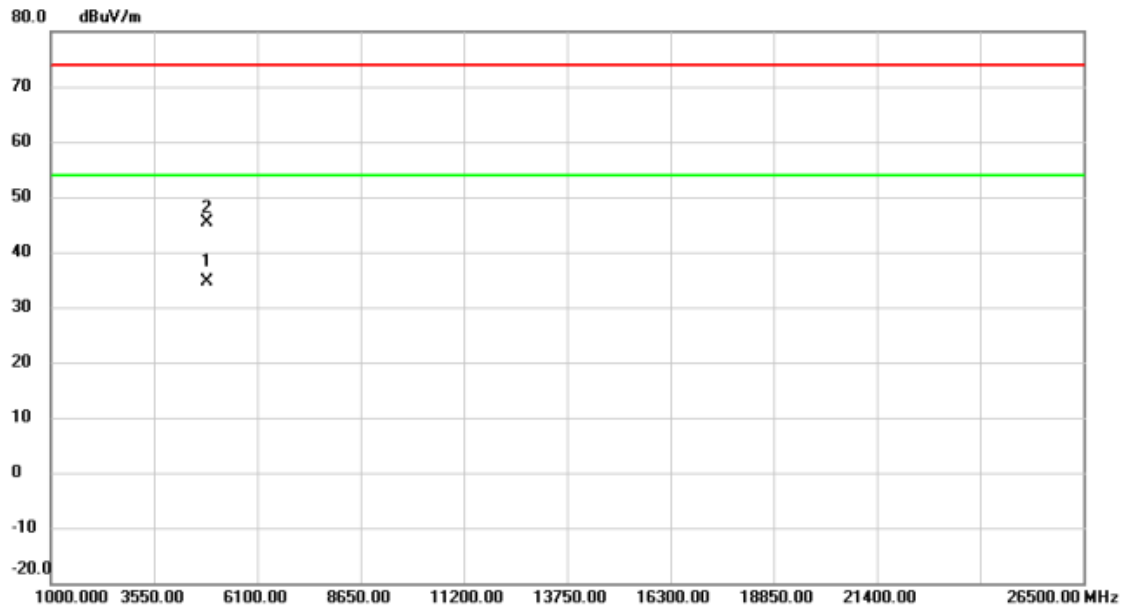


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.000	32.22	32.63	64.85	74.00	-9.15	peak	
2	2390.000	21.08	32.63	53.71	54.00	-0.29	AVG	
3 *	2437.800	77.05	32.80	109.85	54.00	55.85	AVG	No Limit
4 X	2439.000	85.80	32.81	118.61	74.00	44.61	peak	No Limit

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------

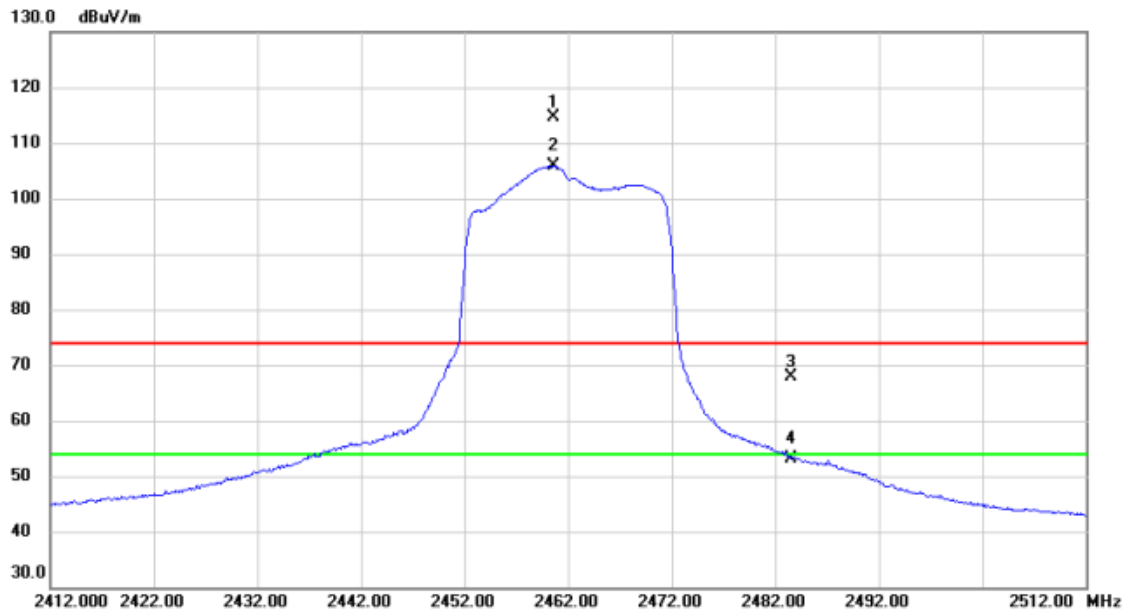


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4871.920	48.91	-14.26	34.65	54.00	-19.35	AVG	
2		4872.360	59.63	-14.26	45.37	74.00	-28.63	peak	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------

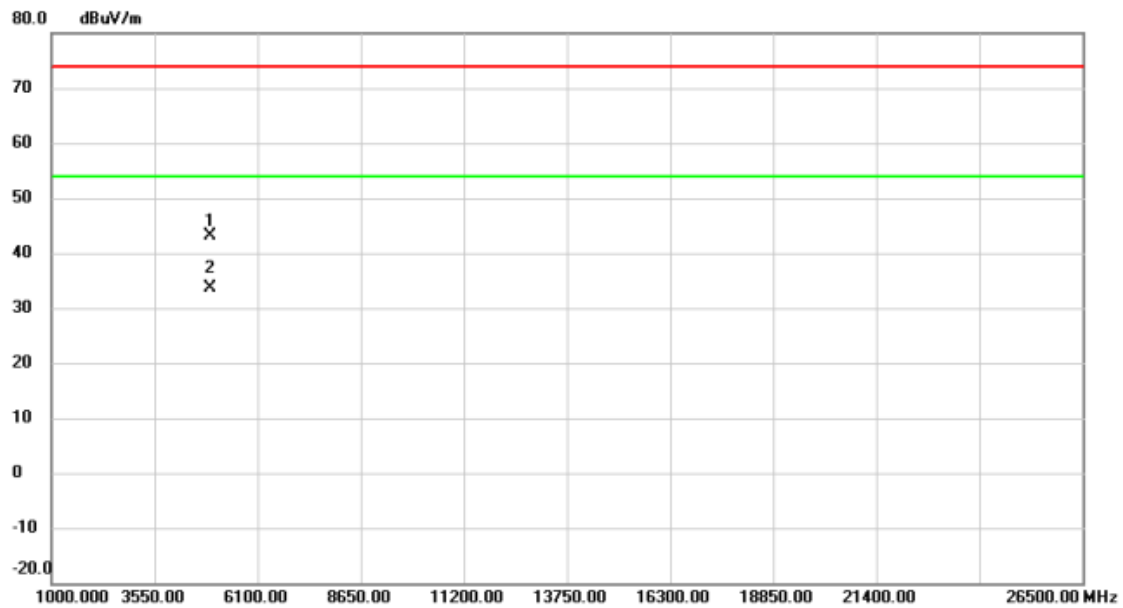


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2460.600	81.80	32.88	114.68	74.00	40.68	peak	No Limit
2	*	2460.600	72.97	32.88	105.85	54.00	51.85	AVG	No Limit
3		2483.500	34.97	32.97	67.94	74.00	-6.06	peak	
4		2483.500	20.25	32.97	53.22	54.00	-0.78	AVG	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------

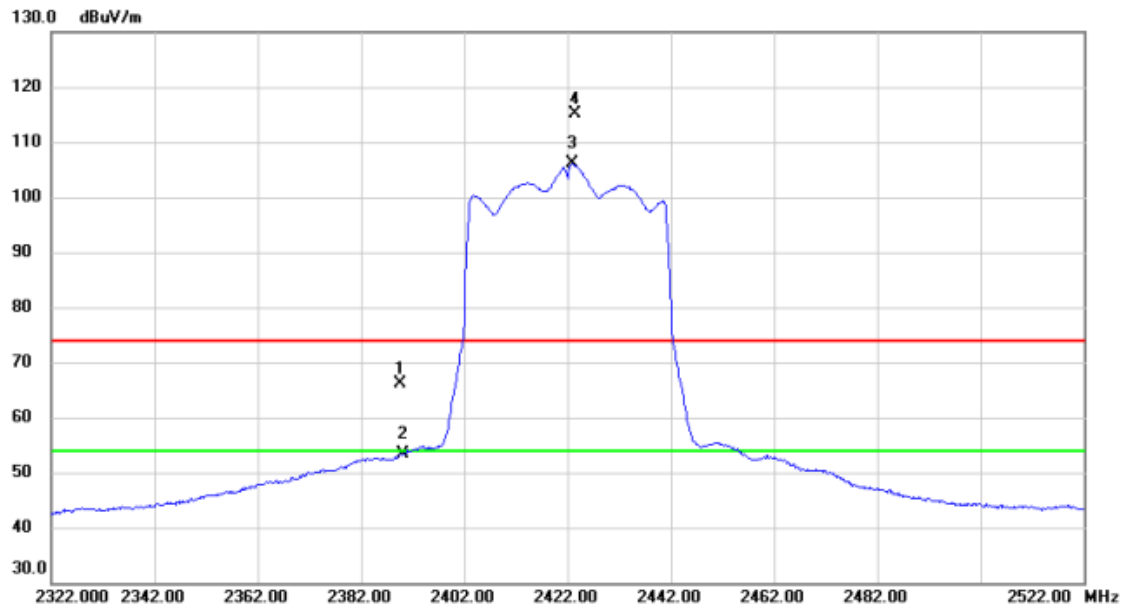


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4921.920	57.27	-14.08	43.19	74.00	-30.81	peak	
2 *	4928.100	47.78	-14.06	33.72	54.00	-20.28	AVG	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2422 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------



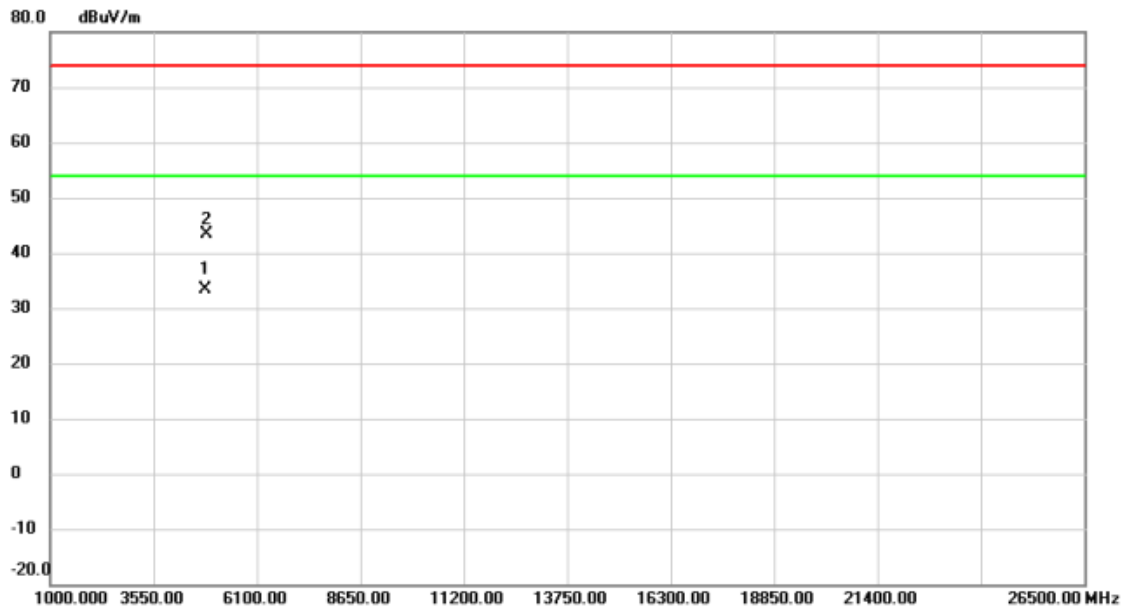
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2389.600	33.54	32.63	66.17	74.00	-7.83	peak	
2		2390.000	20.82	32.63	53.45	54.00	-0.55	AVG	
3	*	2423.000	73.35	32.75	106.10	54.00	52.10	AVG	No Limit
4	X	2423.400	82.48	32.75	115.23	74.00	41.23	peak	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	Horizontal
-----------	---------------------------	--------------	------------

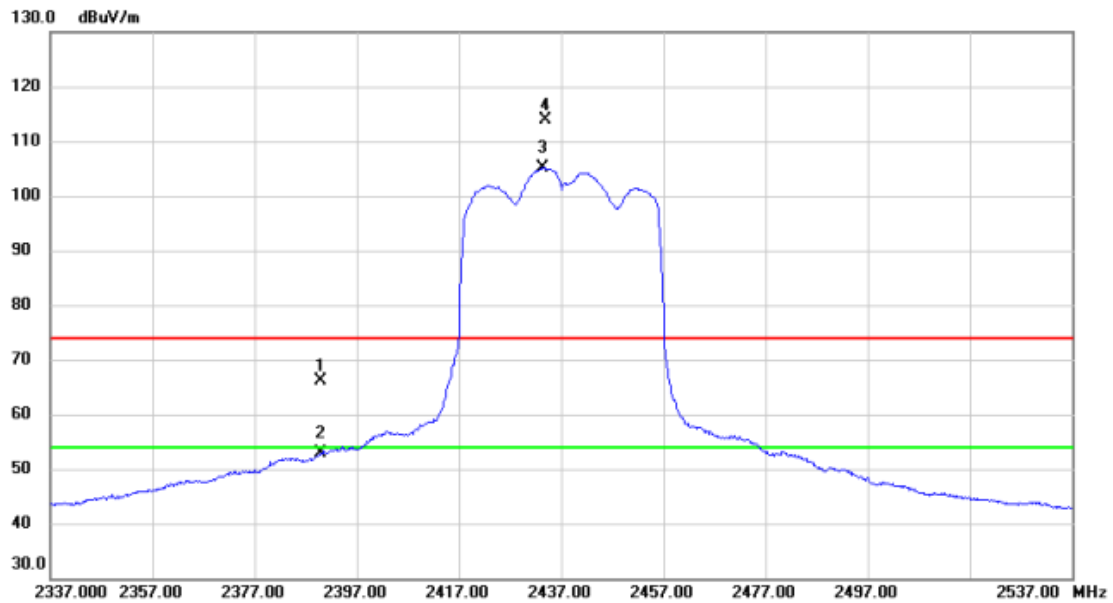


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4840.080	47.84	-14.37	33.47	54.00	-20.53	AVG	
2	4844.350	57.77	-14.36	43.41	74.00	-30.59	peak	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2437 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------



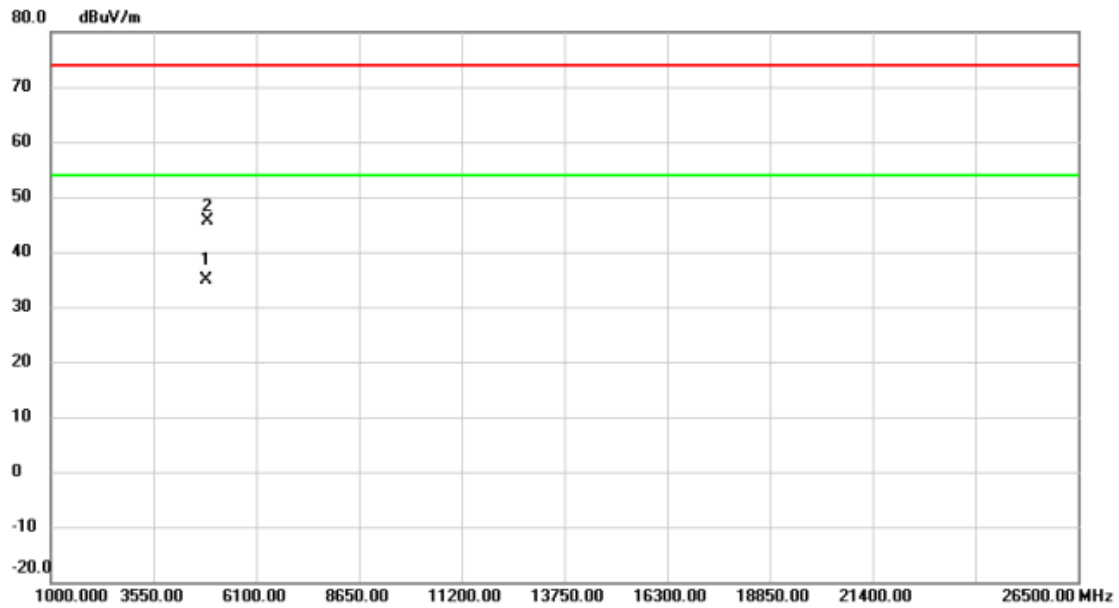
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	33.60	32.63	66.23	74.00	-7.77	peak	
2		2390.000	20.13	32.63	52.76	54.00	-1.24	AVG	
3	*	2433.400	72.46	32.78	105.24	54.00	51.24	AVG	No Limit
4	X	2433.800	81.03	32.78	113.81	74.00	39.81	peak	No Limit

REMARKS:

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

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

Test Mode	TX AX(HE40) Mode 2437 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------

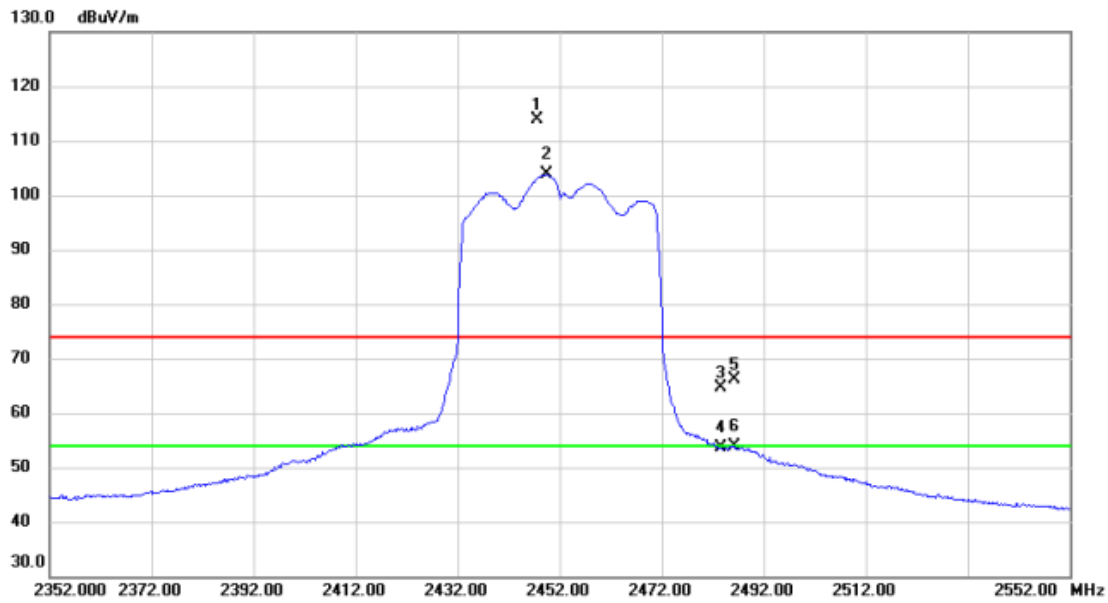


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4872.730	49.07	-14.26	34.81	54.00	-19.19	AVG	
2	4877.030	59.96	-14.23	45.73	74.00	-28.27	peak	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2452 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------



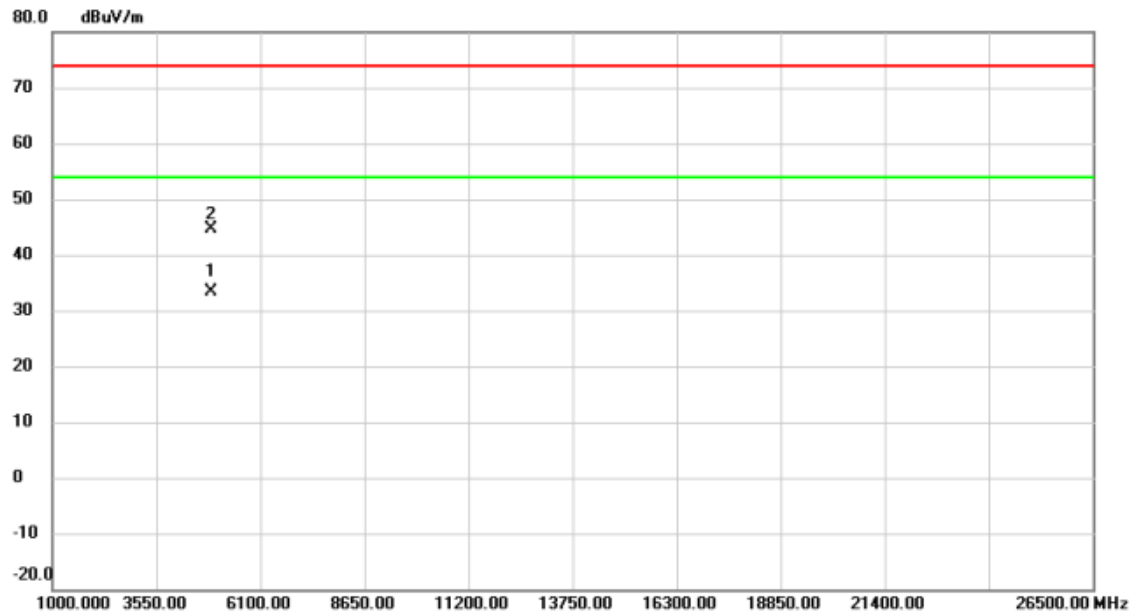
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2447.600	81.03	32.83	113.86	74.00	39.86	peak	No Limit
2	*	2449.600	70.98	32.85	103.83	54.00	49.83	AVG	No Limit
3		2483.500	31.72	32.97	64.69	74.00	-9.31	peak	
4		2483.500	20.73	32.97	53.70	54.00	-0.30	AVG	
5		2486.200	33.26	32.98	66.24	74.00	-7.76	peak	
6		2486.200	20.84	32.98	53.82	54.00	-0.18	AVG	

REMARKS:

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

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

Test Mode	TX AX(HE40) Mode 2452 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	4899.150	47.60	-14.16	33.44	54.00	-20.56	AVG	
2		4906.060	58.78	-14.13	44.65	74.00	-29.35	peak	

REMARKS:

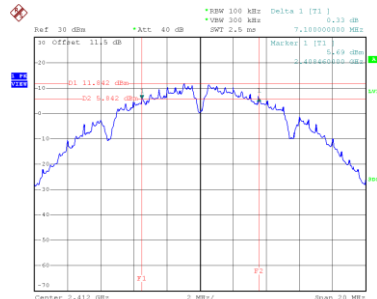
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

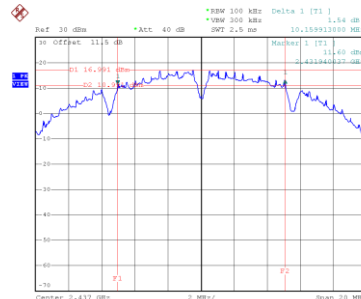
Test Mode	TX B Mode
-----------	-----------

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	7.100	16.320	0.5	Complies
06	2437	10.160	17.120	0.5	Complies
11	2462	10.040	17.760	0.5	Complies

CH01

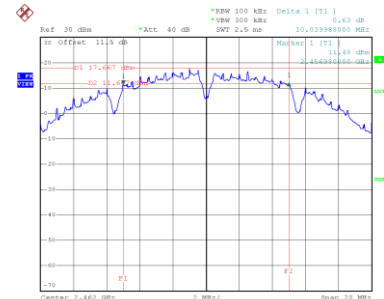


Date: 20.SEP.2022 12:05:09

CH06
6 dB Bandwidth


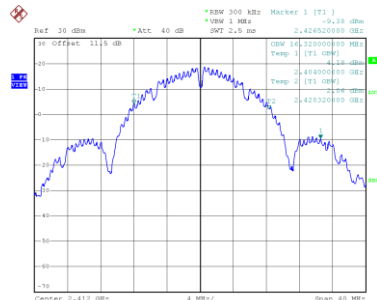
Date: 14.SEP.2022 14:45:59

CH11

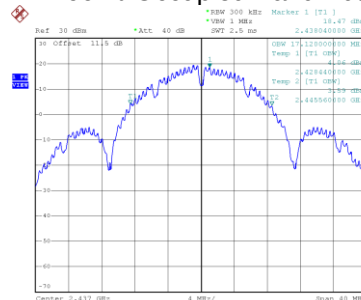


Date: 14.SEP.2022 14:47:57

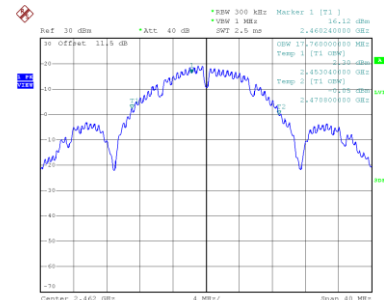
99 % Occupied Bandwidth



Date: 20.SEP.2022 11:31:52



Date: 14.SEP.2022 14:46:06

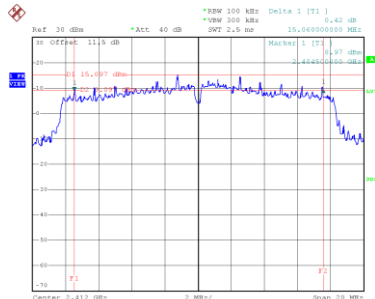


Date: 14.SEP.2022 14:48:04

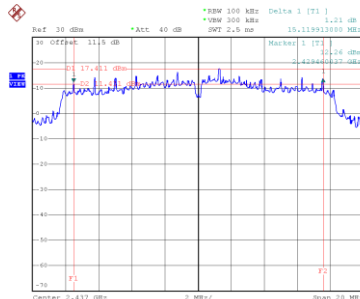
Test Mode	TX G Mode
-----------	-----------

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	15.060	16.320	0.5	Complies
06	2437	15.120	16.320	0.5	Complies
11	2462	15.919	16.320	0.5	Complies

CH01

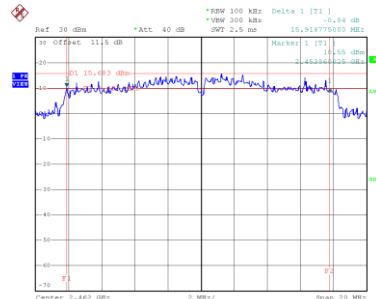


Date: 14.SEP.2022 14:56:45

CH06
6 dB Bandwidth


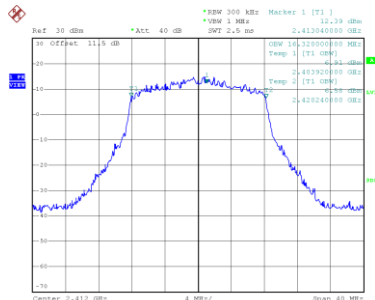
Date: 14.SEP.2022 14:59:40

CH11

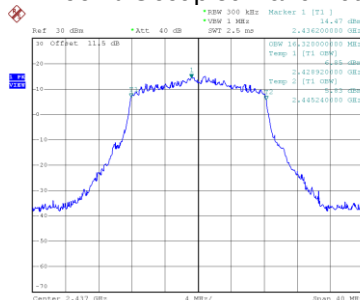


Date: 14.SEP.2022 15:17:53

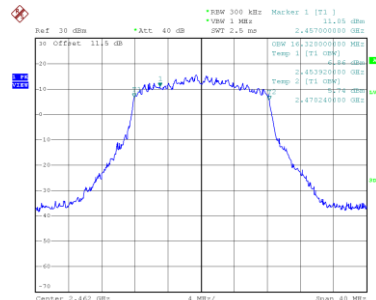
99 % Occupied Bandwidth



Date: 20.SEP.2022 11:35:01



Date: 20.SEP.2022 11:36:06

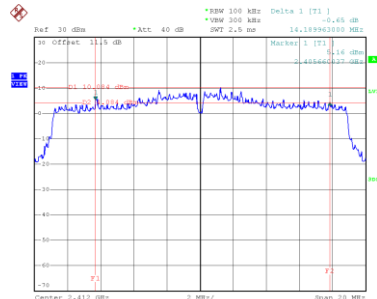


Date: 20.SEP.2022 11:36:24

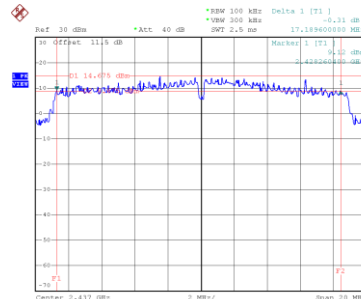
Test Mode	TX N(HT20) Mode
-----------	-----------------

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	14.190	17.520	0.5	Complies
06	2437	17.190	17.600	0.5	Complies
11	2462	8.518	17.600	0.5	Complies

CH01

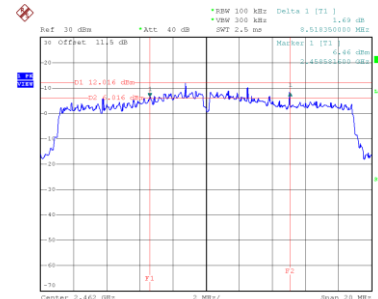


Date: 20.SEP.2022 13:45:06

CH06
6 dB Bandwidth


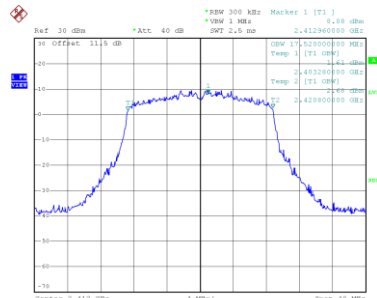
Date: 14.SEP.2022 15:29:42

CH11

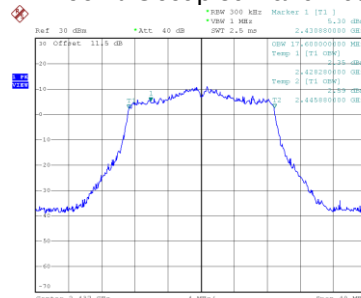


Date: 20.SEP.2022 13:47:16

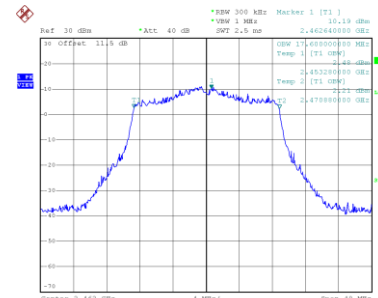
99 % Occupied Bandwidth



Date: 20.SEP.2022 11:38:40



Date: 20.SEP.2022 11:38:57

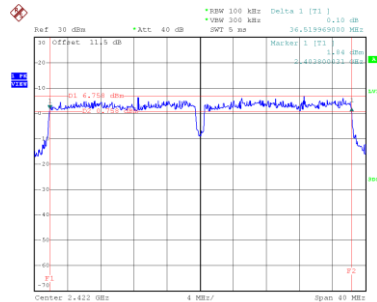


Date: 20.SEP.2022 11:39:30

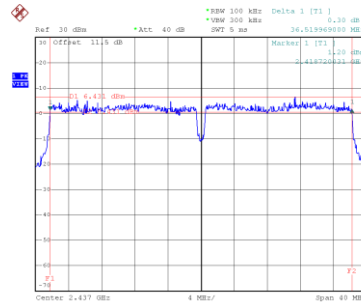
Test Mode	TX N(HT40) Mode
-----------	-----------------

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	36.520	36.160	0.5	Complies
06	2437	36.520	36.160	0.5	Complies
09	2452	36.569	36.160	0.5	Complies

CH03

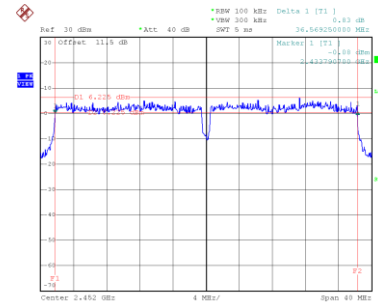


Date: 14.SEP.2022 15:49:24

CH06
6 dB Bandwidth


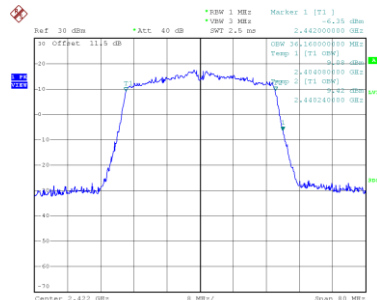
Date: 14.SEP.2022 16:02:10

CH09

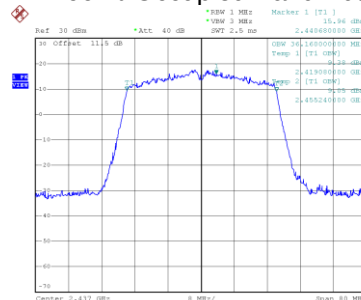


Date: 14.SEP.2022 16:04:34

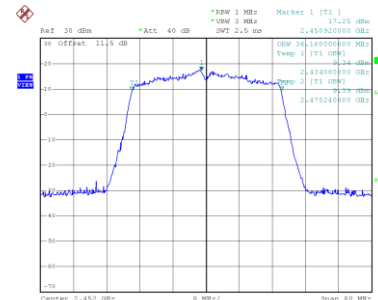
99 % Occupied Bandwidth



Date: 20.SEP.2022 11:40:51



Date: 20.SEP.2022 11:41:22

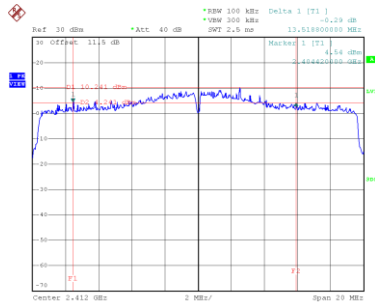


Date: 20.SEP.2022 11:41:42

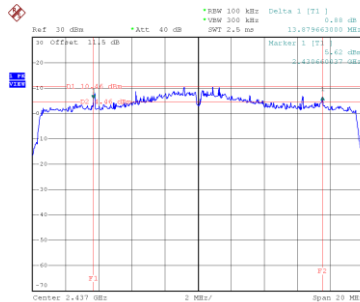
Test Mode	TX AX(HE20) Mode
-----------	------------------

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	13.519	18.800	0.5	Complies
06	2437	13.880	18.800	0.5	Complies
11	2462	12.510	18.720	0.5	Complies

CH01

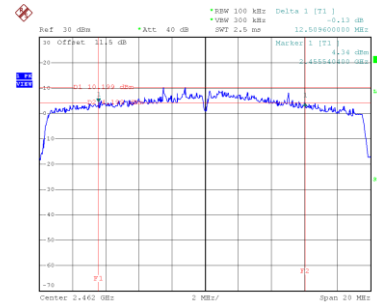


Date: 20.SEP.2022 11:58:37

CH06
6 dB Bandwidth


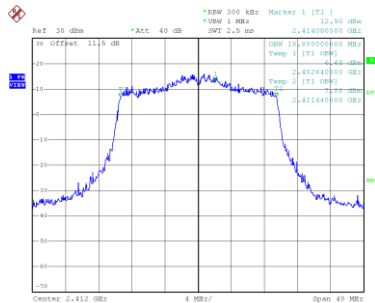
Date: 20.SEP.2022 11:59:20

CH11

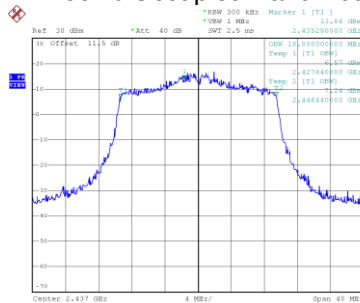


Date: 20.SEP.2022 12:01:45

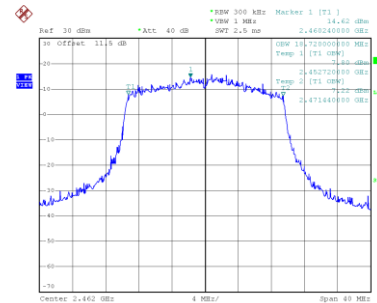
99 % Occupied Bandwidth



Date: 20.SEP.2022 11:58:45



Date: 20.SEP.2022 11:59:28

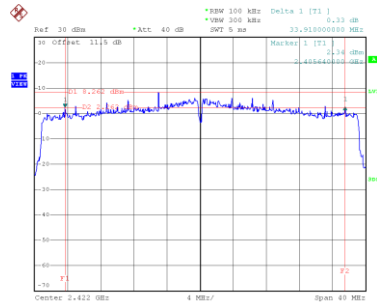


Date: 20.SEP.2022 12:01:53

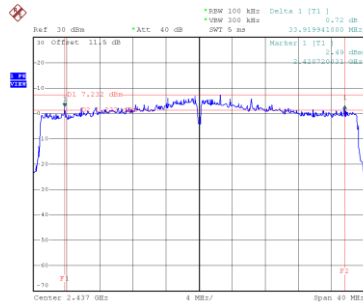
Test Mode	TX AX(HE40) Mode
-----------	------------------

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	33.910	37.760	0.5	Complies
06	2437	33.920	37.760	0.5	Complies
09	2452	34.559	37.920	0.5	Complies

CH03

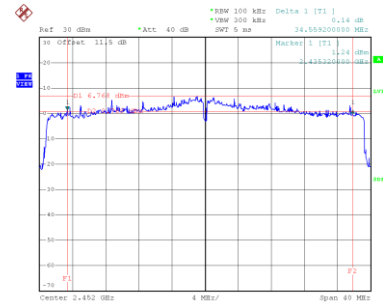


Date: 20.SEP.2022 11:51:07

CH06
6 dB Bandwidth


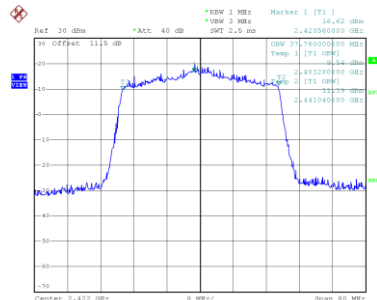
Date: 20.SEP.2022 11:52:50

CH09

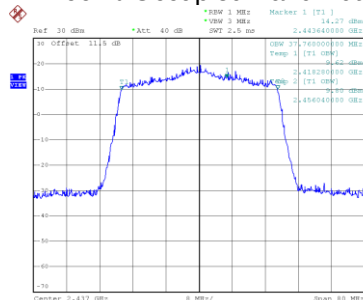


Date: 20.SEP.2022 11:53:49

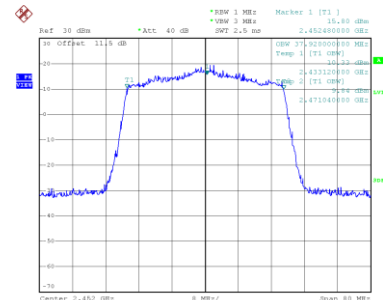
99 % Occupied Bandwidth



Date: 20.SEP.2022 11:51:15



Date: 20.SEP.2022 11:52:56



Date: 20.SEP.2022 11:53:57

APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	TX B Mode_Ant. 1
-----------	------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	22.56	0.24	22.80	30.00	1.0000	Complies
06	2437	23.58	0.24	23.82	30.00	1.0000	Complies
11	2462	21.82	0.24	22.06	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	21.22	0.24	21.46	30.00	1.0000	Complies
06	2437	22.55	0.24	22.79	30.00	1.0000	Complies
11	2462	21.31	0.24	21.55	30.00	1.0000	Complies

Test Mode	TX B Mode_Total
-----------	-----------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	25.19	30.00	1.0000	Complies
06	2437	26.35	30.00	1.0000	Complies
11	2462	24.83	30.00	1.0000	Complies

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

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	21.26	0.44	21.70	30.00	1.0000	Complies
06	2437	22.35	0.44	22.79	30.00	1.0000	Complies
11	2462	20.79	0.44	21.23	30.00	1.0000	Complies

Test Mode	TX G Mode_Ant. 2
-----------	------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	19.97	0.44	20.41	30.00	1.0000	Complies
06	2437	22.23	0.44	22.67	30.00	1.0000	Complies
11	2462	19.88	0.44	20.32	30.00	1.0000	Complies

Test Mode	TX G Mode_Total
-----------	-----------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	24.11	30.00	1.0000	Complies
06	2437	25.74	30.00	1.0000	Complies
11	2462	23.81	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Ant. 1
-----------	------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	21.18	0.36	21.54	30.00	1.0000	Complies
06	2437	23.42	0.36	23.78	30.00	1.0000	Complies
11	2462	20.91	0.36	21.27	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	20.72	0.36	21.08	30.00	1.0000	Complies
06	2437	22.26	0.36	22.62	30.00	1.0000	Complies
11	2462	20.88	0.36	21.24	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	24.33	30.00	1.0000	Complies
06	2437	26.25	30.00	1.0000	Complies
11	2462	24.27	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Ant. 1
-----------	------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	19.49	0.52	20.01	30.00	1.0000	Complies
06	2437	19.61	0.52	20.13	30.00	1.0000	Complies
09	2452	20.88	0.52	21.40	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	19.18	0.52	19.70	30.00	1.0000	Complies
06	2437	19.22	0.52	19.74	30.00	1.0000	Complies
09	2452	19.95	0.52	20.47	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Total
-----------	-----------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	22.87	30.00	1.0000	Complies
06	2437	22.95	30.00	1.0000	Complies
09	2452	23.97	30.00	1.0000	Complies

Test Mode	TX AX(HE20) Mode_Ant. 1
-----------	-------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	21.11	0.40	21.51	30.00	1.0000	Complies
06	2437	22.89	0.40	23.29	30.00	1.0000	Complies
11	2462	20.94	0.40	21.34	30.00	1.0000	Complies

Test Mode	TX AX(HE20) Mode_Ant. 2
-----------	-------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.35	0.40	20.75	30.00	1.0000	Complies
06	2437	22.45	0.40	22.85	30.00	1.0000	Complies
11	2462	20.48	0.40	20.88	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	24.16	30.00	1.0000	Complies
06	2437	26.09	30.00	1.0000	Complies
11	2462	24.13	30.00	1.0000	Complies

Test Mode	TX AX(HE40) Mode_Ant. 1
-----------	-------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	21.28	0.38	21.66	30.00	1.0000	Complies
06	2437	21.04	0.38	21.42	30.00	1.0000	Complies
09	2452	21.08	0.38	21.46	30.00	1.0000	Complies

Test Mode	TX AX(HE40) 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	19.99	0.38	20.37	30.00	1.0000	Complies
06	2437	20.84	0.38	21.22	30.00	1.0000	Complies
09	2452	20.01	0.38	20.39	30.00	1.0000	Complies

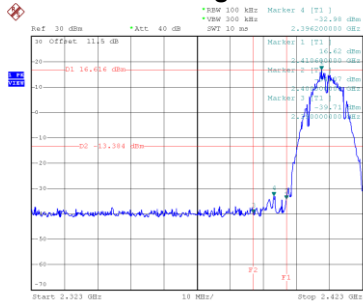
Test Mode	TX AX(HE40) Mode_Total
-----------	------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	24.07	30.00	1.0000	Complies
06	2437	24.33	30.00	1.0000	Complies
09	2452	23.96	30.00	1.0000	Complies

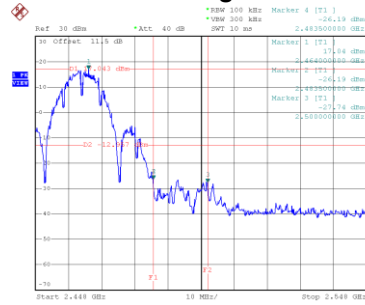
APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

Test Mode TX B Mode_Ant. 1

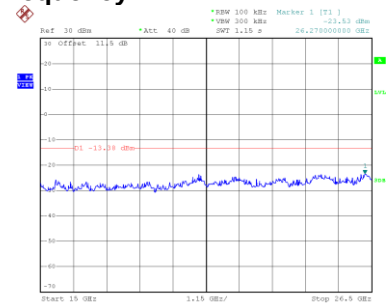
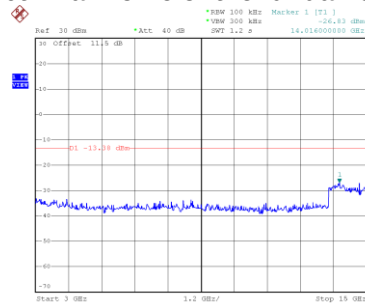
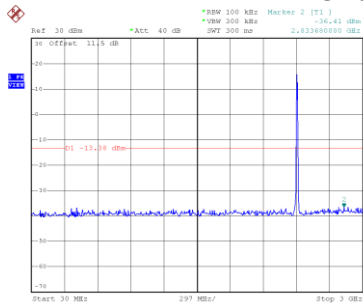
Bandedge-CH01



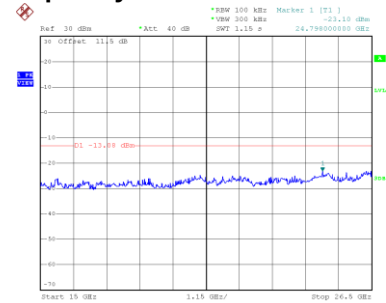
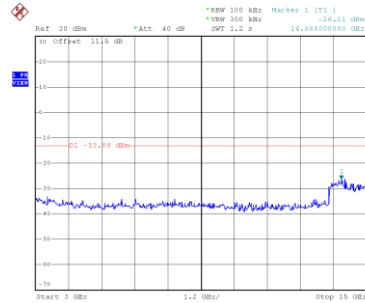
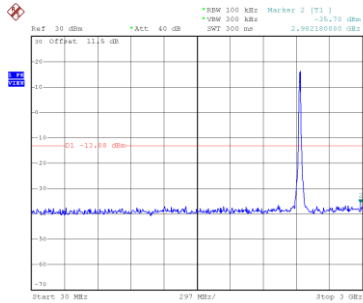
Bandedge-CH11



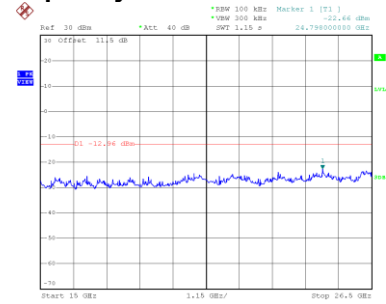
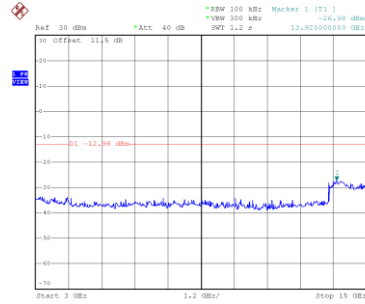
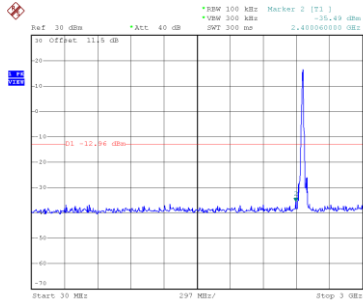
CH01 – 10th Harmonic of the fundamental frequency



CH06 – 10th Harmonic of the fundamental frequency



CH11 – 10th Harmonic of the fundamental frequency



TX B Mode_Ant. 2



Date: 14.SEP.2022 14:42:39



Date: 14.SKP.2022 14:44:39

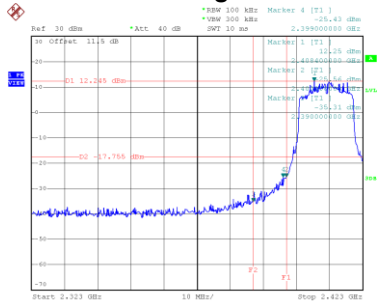


Date: 14.SKP.2022 14:50:49



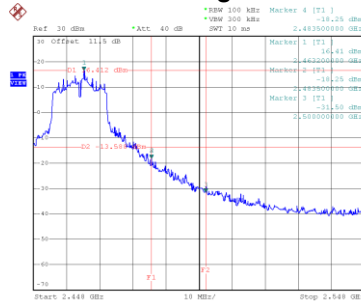
Test Mode TX G Mode_Ant. 1

Bandedge-CH01



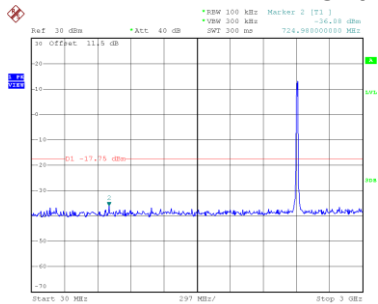
Date: 14.SEP.2022 14:58:11

Bandedge-CH11

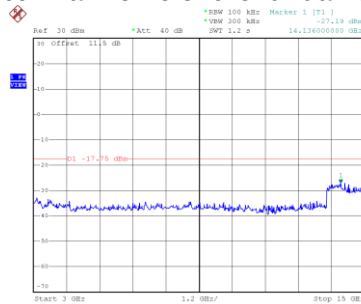


Date: 14.SEP.2022 15:19:00

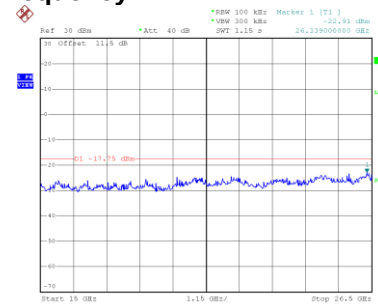
CH01 – 10th Harmonic of the fundamental frequency



Date: 14.SEP.2022 14:58:25

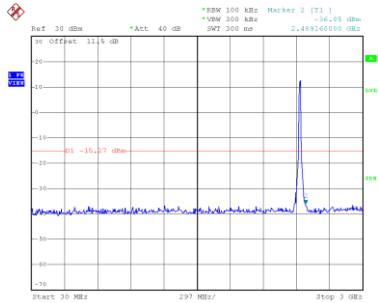


Date: 14.SEP.2022 14:58:34

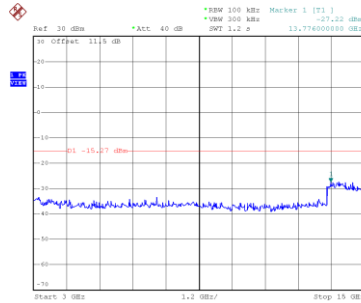


Date: 14.SEP.2022 14:58:42

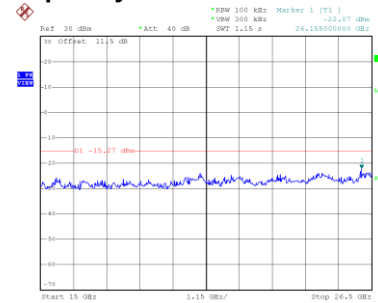
CH06 – 10th Harmonic of the fundamental frequency



Date: 14.SEP.2022 15:02:13

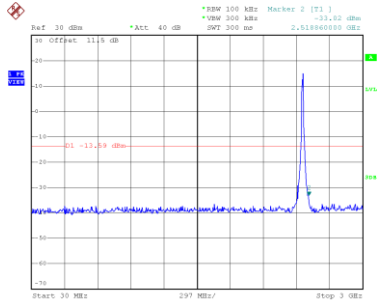


Date: 14.SEP.2022 15:02:21

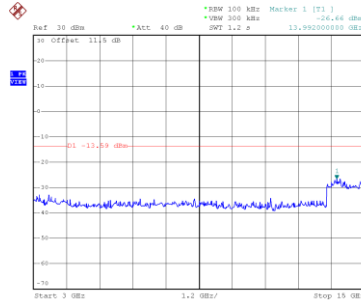


Date: 14.SEP.2022 15:02:30

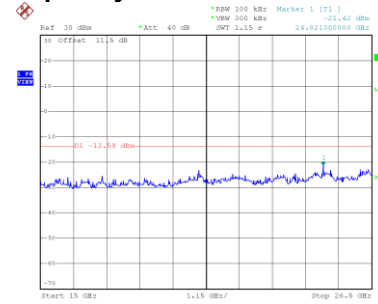
CH11 – 10th Harmonic of the fundamental frequency



Date: 14.SEP.2022 15:19:13



Date: 14.SEP.2022 15:19:22



Date: 14.SEP.2022 15:19:30