FCC Radio Test Report

FCC ID: 2BH7FP316M

Report No.	:	BTL-FCCP-2-2412G027
Equipment	:	Smart Wi-Fi Power Strip
Model Name	:	Tapo P316M, TPB65
Brand Name	:	tp-link
Applicant	:	TP-Link Systems Inc.
Address	:	10 Mauchly, Irvine, CA 92618
Manufacturer	:	TP-Link Systems Inc.
Address	:	10 Mauchly, Irvine, CA 92618
Radio Function	:	WLAN 2.4GHz
FCC Rule Part(s)	:	FCC CFR Title 47, Part 15, Subpart C (15.247)
Measurement Procedure(s)	:	ANSI C63.10-2013
Date of Receipt	:	2024/12/27
Date of Test	:	2024/12/27 ~ 2025/1/14
Issued Date	:	2025/2/10

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

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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** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

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BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** 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-2-2412G027	R00	Original Report.	2025/2/10	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	PASS	------
15.247(a)(2)	Bandwidth	APPENDIX D	PASS	------
15.247(b)(3)	Maximum Output Power	APPENDIX E	PASS	------
15.247(d)	Conducted Spurious Emission	APPENDIX F	PASS	------
15.247(e)	Power Spectral Density	APPENDIX G	PASS	------
15.203	Antenna Requirement	------	PASS	**Note(2)**

Note:

(1) "N/A" denotes test is not applicable to this device.

(2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

1.1 TEST FACILITY

The test locations stated below are under the TAF Accreditation Number 0659.
The test location(s) used to collect the test data in this report are:
2F, No. 91, Ln. 298, Wengong 1st Rd., Guishan Dist., Taoyuan City 333001, Taiwan
(FCC DN: TW0659)

☒ C01 ☒ CB02 ☒ TR01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y ± U**, where expanded uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k = 2**, providing a level of confidence of approximately **95 %**. The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{cispr} requirement.

A. AC Power Line Conducted Emissions Measurement:

Test Site	Method	Measurement Frequency Range	U (dB)
C01	CISPR	150 kHz ~ 30MHz	3.44

B. Radiated emissions Measurement:

Test Site	Measurement Frequency Range (GHz)	U (dB)
CB02 (3m)	0.03~0.2	4.01
	0.02~1	4.64
	1 ~ 6	5.91
	6 ~ 18	6.24
	18 ~ 26	3.93
	26 ~ 40	4.06

C. Other Measurement:

Test Item	U
Occupied Bandwidth	0.83 %
Output power	0.4008 dB
Conducted Spurious emissions	1.8274 dB
Conducted Band edges	1.8353 dB
Dwell time	0.8830 dB
Channel separation	0.8830 dB
Channel numbers	0.9198 dB

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	Environment Condition	Test Voltage	Tested By
AC Power Line Conducted Emissions	20°C, 53%	AC 120V/60Hz	Nero Hsieh
Radiated Emissions-30 MHz to 1000 MHz	20°C, 57%	AC 120V/60Hz	Nero Hsieh
Radiated Emissions-Above 1000 MHz	20°C, 57%	AC 120V/60Hz	Nero Hsieh
Bandwidth	19°C, 46%	AC 120V/60Hz	Nero Hsieh
Maximum Output Power	19°C, 46%	AC 120V/60Hz	Nero Hsieh
Conducted Spurious Emission	19°C, 46%	AC 120V/60Hz	Nero Hsieh
Power Spectral Density	19°C, 46%	AC 120V/60Hz	Nero Hsieh

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Smart Wi-Fi Power Strip
Brand Name	tp-link
Model Name	Tapo P316M, TPB65
Model Difference(s)	Only differ in model name.
Software Version	1.X
Hardware Version	1.0
Power Source	AC Mains.
Power Rating	125V~ 60Hz 15A 1875W MAX
Operation Band	2400 MHz ~ 2483.5 MHz
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: 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: 23.88 dBm (0.2443 W)
Test Model	Tapo P316M

Note:

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

2. Channel List:

CH01 - CH11 for IEEE 802.11b, IEEE 802.11g, IEEE 802.11n(HT20)							
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	tp-link	Tapo P316M-ANT1	PIFA	N/A	3

Note: The above Antenna information are derived from the antenna data sheet provided by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

2.2 DESCRIPTION OF TEST MODES

Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal	-	-
Transmitter Radiated Emissions (below 1GHz)	IEEE 802.11b	11	-
Transmitter Radiated Emissions (above 1GHz)	IEEE 802.11b	01/11	Bandedge
	IEEE 802.11g		
	IEEE 802.11n(HT20)		
	IEEE 802.11b	01/06/11	Harmonic
	IEEE 802.11g		
	IEEE 802.11n(HT20)		
Transmitter Radiated Emissions (above 18GHz)	IEEE 802.11b	11	-
Bandwidth & Output Power & Power Spectral Density & Conducted Spurious Emission	IEEE 802.11b	01/06/11	-
	IEEE 802.11g		
	IEEE 802.11n (HT20)		

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 11 is found to be the worst case and recorded.
(3) For radiated emission Harmonic 18-26.5GHz test, only tested the worst case and recorded.
(4) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Horizontal) is recorded.

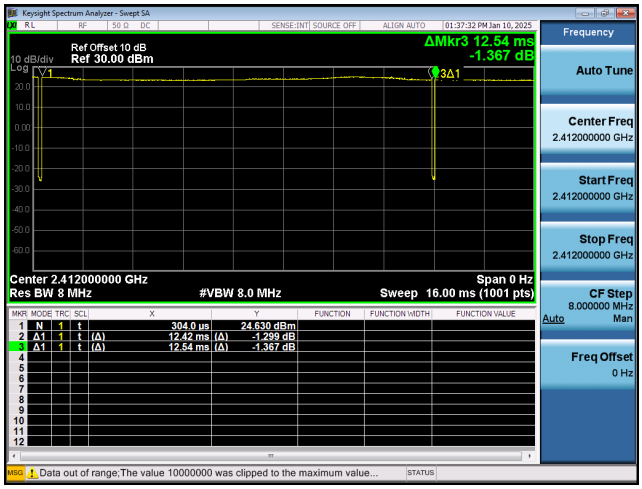
2.3 PARAMETERS OF TEST SOFTWARE

Test Software Version	UI_mptool.exe		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	110	110	110
IEEE 802.11g	95	95	95
IEEE 802.11n(HT20)	95	95	95

2.4 DUTY CYCLE

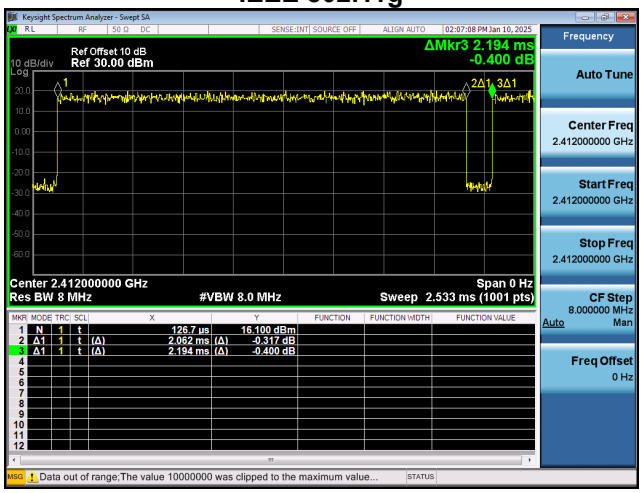
If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.
The output power = measured power + duty factor.

IEEE 802.11b



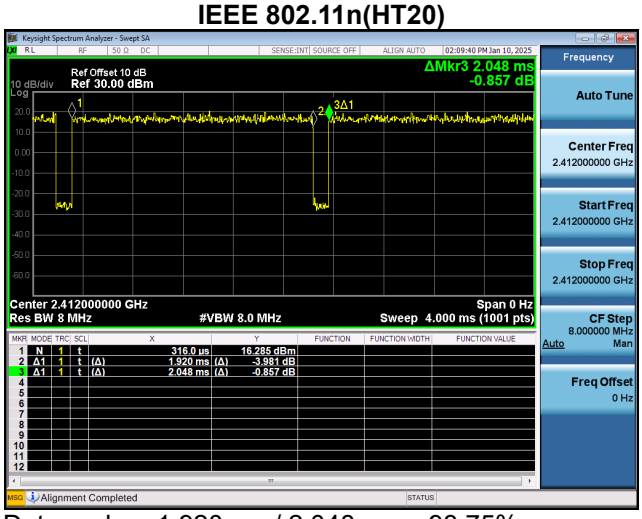
Duty cycle = 12.416 ms / 12.544 ms = 98.98%
Duty Factor = 10 log(1/Duty cycle) = 0.00

IEEE 802.11g



Duty cycle = 2.062 ms / 2.194 ms = 94.00%
Duty Factor = 10 log(1/Duty cycle) = 0.27

IEEE 802.11n(HT20)



Duty cycle = 1.920 ms / 2.048 ms = 93.75%
Duty Factor = 10 log(1/Duty cycle) = 0.28

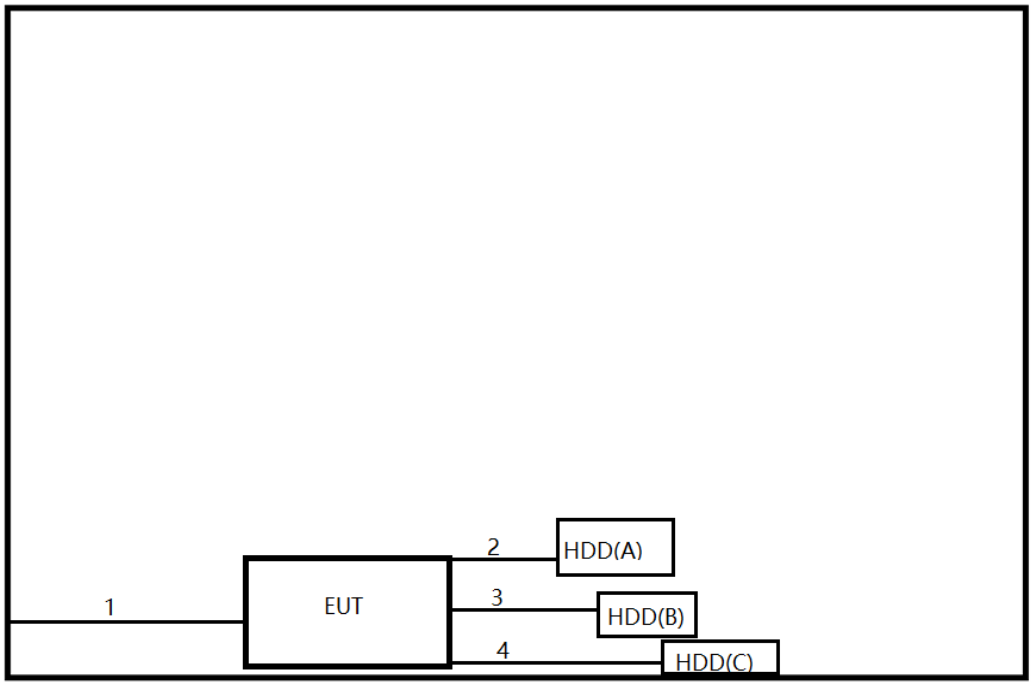
NOTE:
For IEEE 802.11b:
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz.

For IEEE 802.11g:
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 485 Hz.

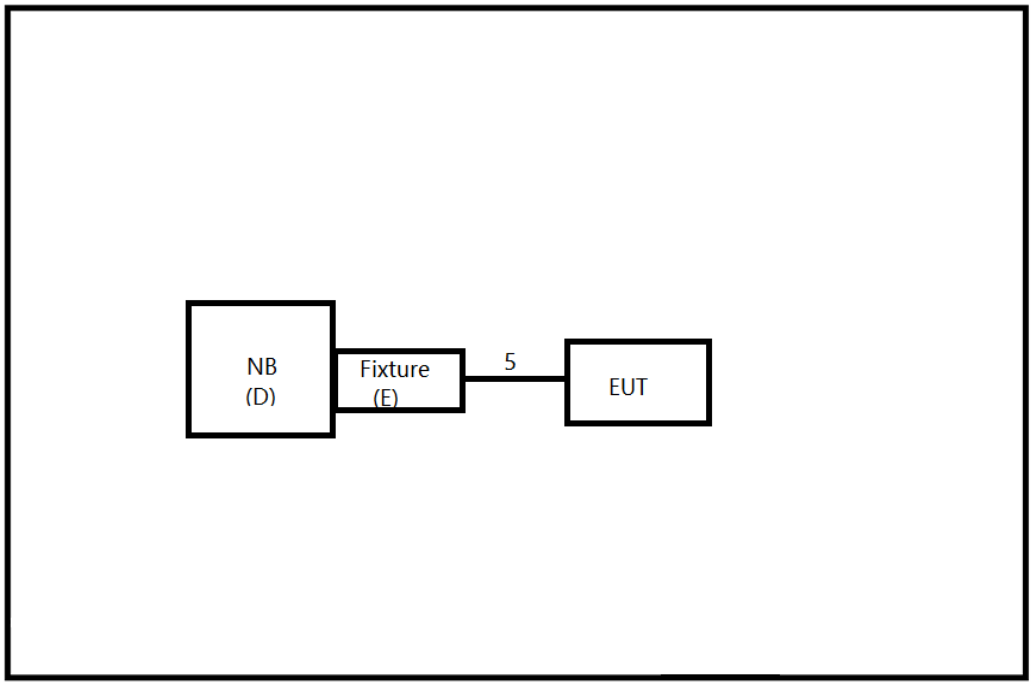
For IEEE 802.11n(HT20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 521 Hz.

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

AC Power Line Conducted Emissions & Radiated Emissions Below 1GHz



Radiated Emissions Above 1GHz



2.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	HDD	WD	4219V	N/A	Furnished by test lab
B				N/A	Furnished by test lab
C				N/A	Furnished by test lab
D	NB	dynabook	TECRA A40-J	N/A	Furnished by test lab
E	Fixture	Risyn	CH340G	N/A	Furnished by test lab

Item	Cable Type	Shielded	Ferrite Core	Length	Remarks
1	AC Cable	NO	NO	1m	Supplied by test requester
2	USB-Type-C Cable	NO	NO	1.7m	Furnished by test lab
3					
4					

3. AC POWER LINE CONDUCTED EMISSIONS

3.1 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
Calculation example:

Reading Level (dBuV)		Correct Factor (dB)		Measurement Value (dBuV)
38.22	+	3.45	=	41.67

Measurement Value (dBuV)		Limit Value (dBuV)		Margin Level (dB)
41.67	-	60	=	-18.33

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.

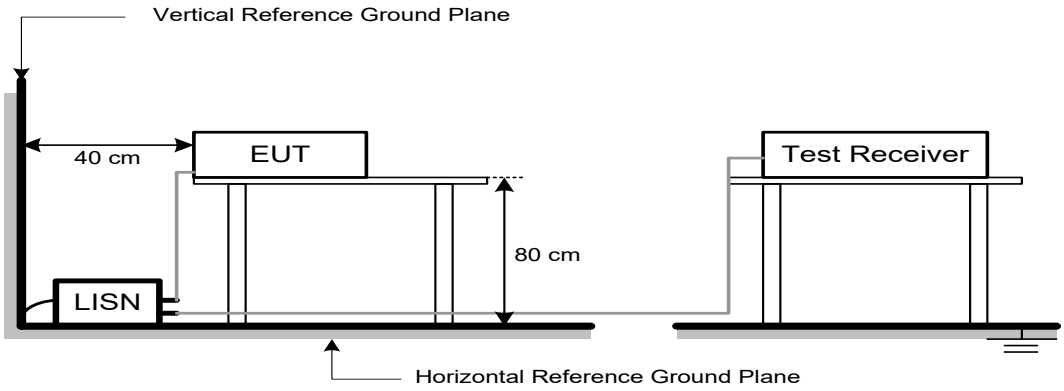
The following table is the setting of the receiver:

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)	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
Calculation example:

Reading Level (dBuV)		Correct Factor (dB/m)		Measurement Value (dBuV/m)
19.11	+	2.11	=	21.22

Measurement Value (dBuV/m)		Limit Value (dBuV/m)		Margin Level (dB)
21.22	-	54	=	-32.78

(5)

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

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

4.2 TEST PROCEDURE

a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
b. The measuring distance of 3 m or 1 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1 GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform. (below 1 GHz)
h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn‘t perform. (above 1 GHz)
i. For the actual test configuration, please refer to the related Item -EUT Test Photos.

The following table is the setting of the receiver:

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

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

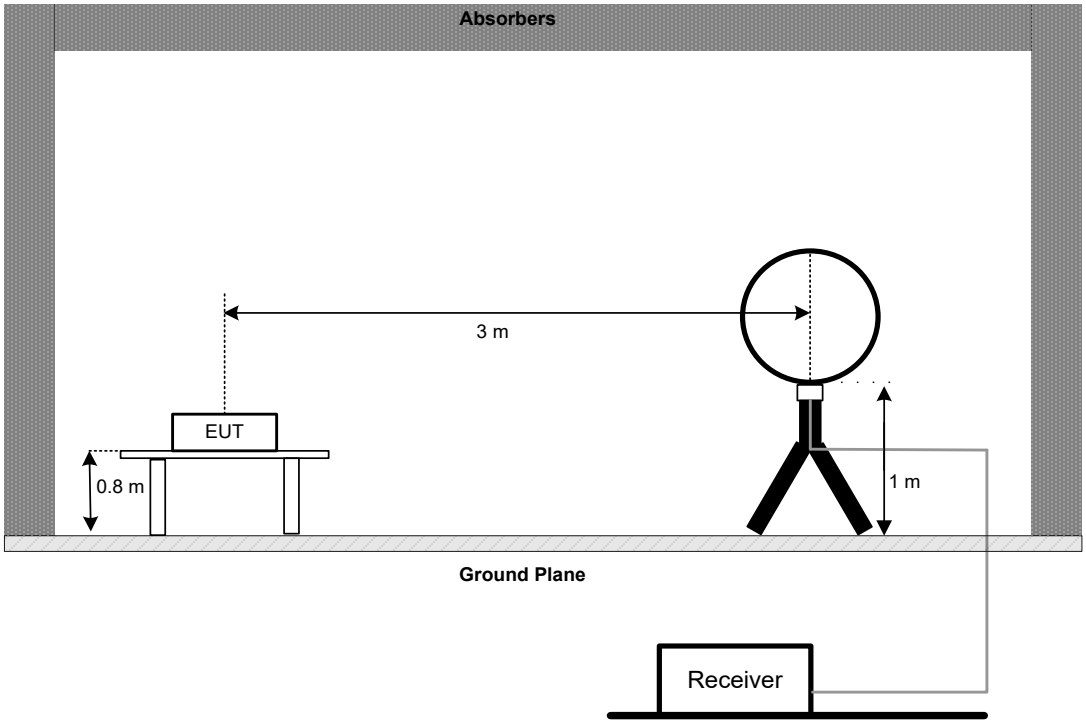
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

4.3 DEVIATION FROM TEST STANDARD

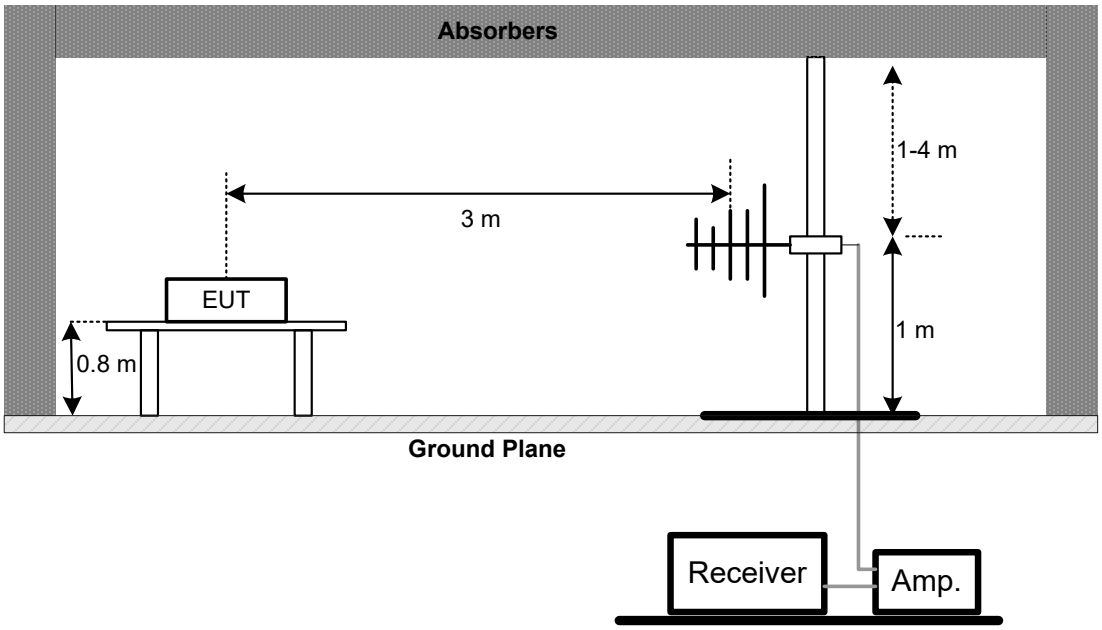
No deviation.

4.4 TEST SETUP

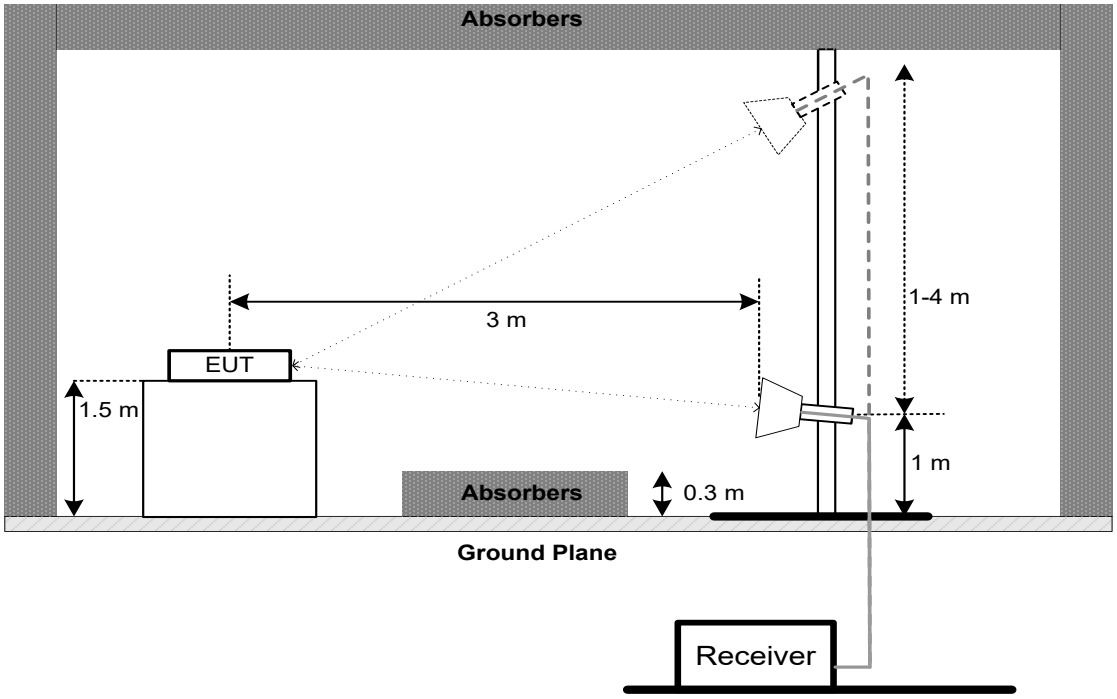
9 kHz to 30 MHz



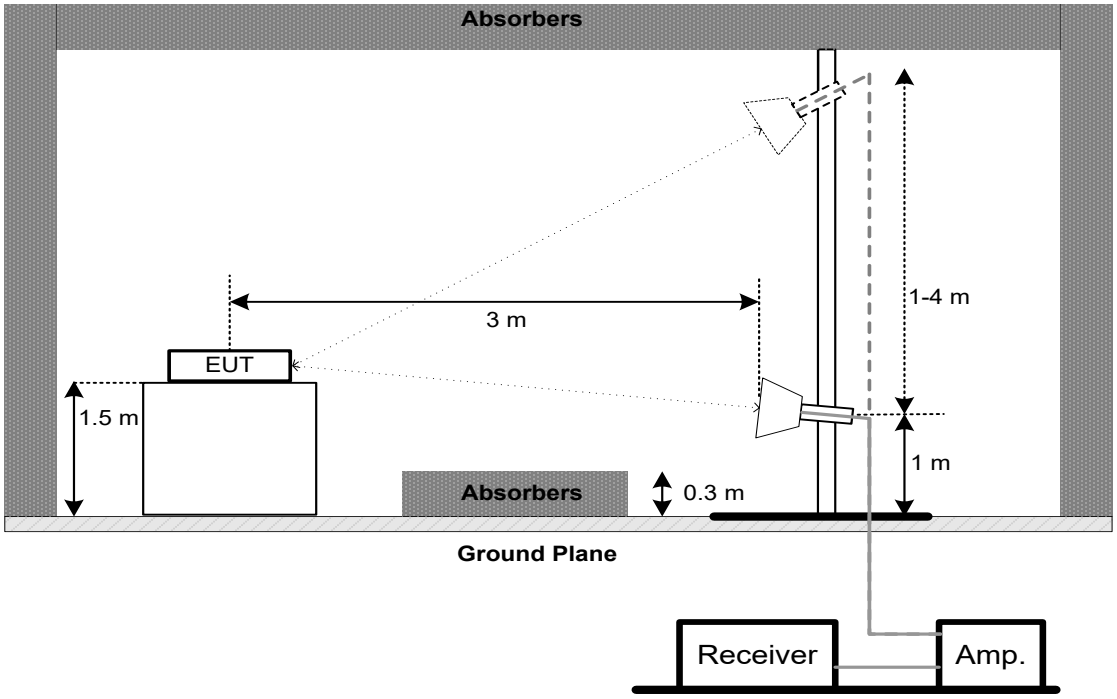
30 MHz to 1 GHz



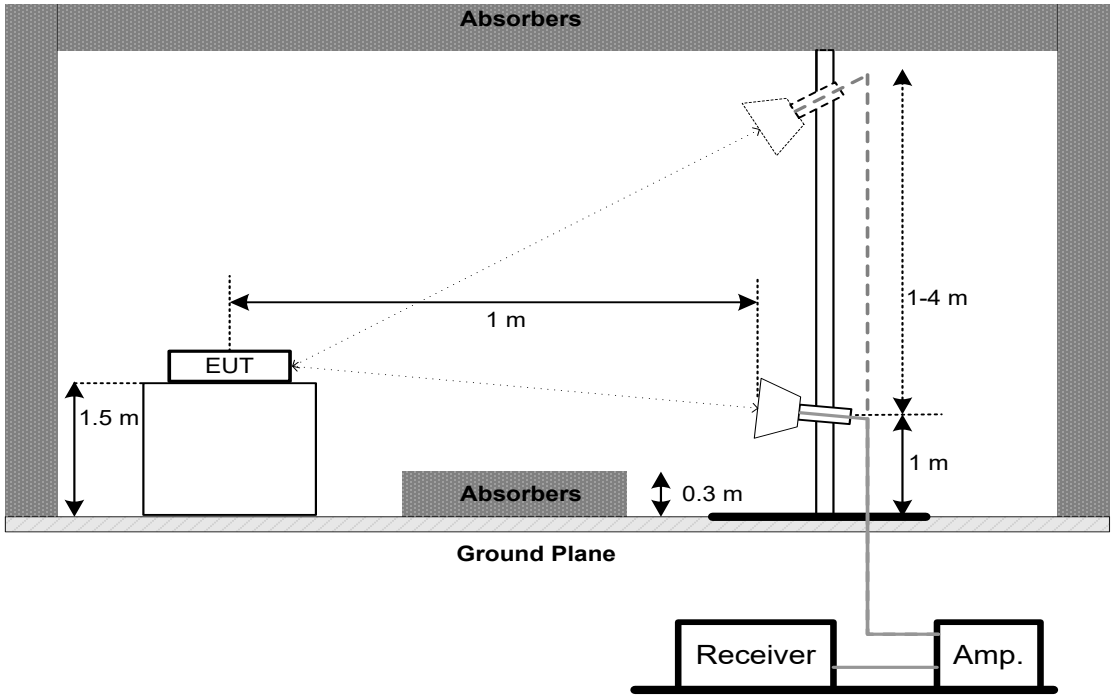
Above 1 GHz
Band edge



Harmonic(1 GHz to 18 GHz)



Harmonic(18 GHz to 26.5 GHz)



4.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS - 9 KHZ TO 30 MHZ

There were no emissions found below 30 MHz within 20 dB of the limit.

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX B.

4.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX C.

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

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:

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

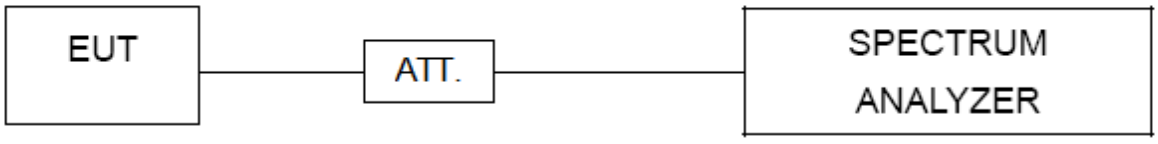
For 99% Emission Bandwidth:

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 D.

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

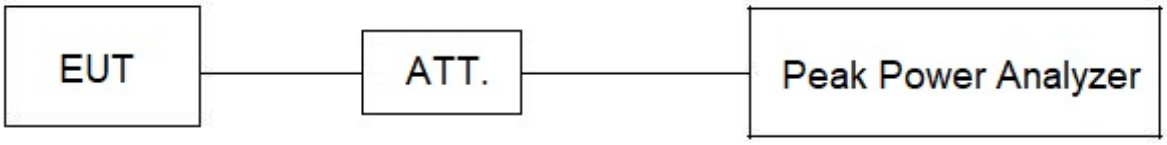
6.2 TEST PROCEDURE

a. The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.
b. The maximum conducted output power was performed in accordance with method 11.9.2.3.1 of ANSI C63.10-2013.

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. 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

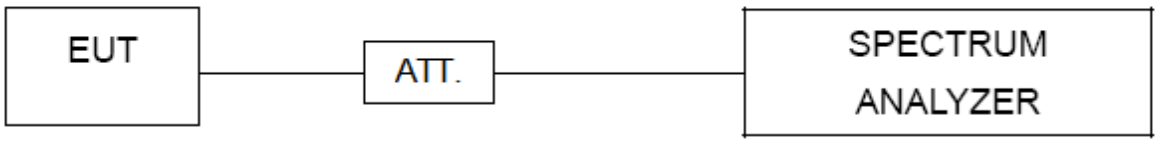
a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

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 F.

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

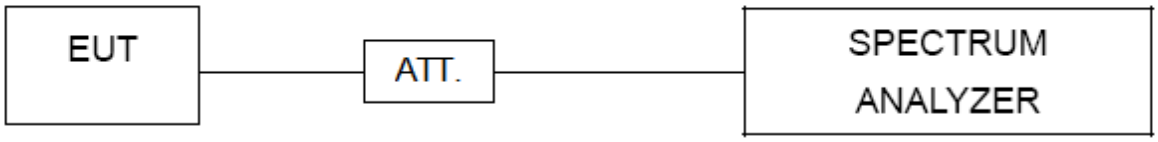
a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

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

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. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	TWO-LINE V-NETWORK	R&S	ENV216	101339	2024/3/28	2025/3/27
2	Test Cable	EMCI	EMCRG142S-SM-SM-5000	230609	2024/8/10	2025/8/9
3	Test Cable	EMCI	EMC104-SM-SM-6000	240635	2024/7/15	2025/7/14
4	Measurement Software	Farad	EZ_EMC (Ver.E-LAB-5A2.2 2021)	N/A	N/A	N/A

Radiated Emissions - Below 1GHz						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Log-Bicon Antenna	Schwarzbeck	VULB 9168	01577	2024/7/17	2025/7/16
2	Attenuator	EMCI	EMCI-N-6-05	AT-N0575	2024/7/17	2025/7/16
3	Pre-Amplifier	EMCI	EMC001330	980909	2024/8/9	2025/8/8
4	Test Cable	EMCI	EMC104-SM-SM-6000	230540	2024/8/10	2025/8/9
5	Test Cable	EMCI	EMC104-SM-SM-2500	230541	2024/8/10	2025/8/9
6	Test Cable	EMCI	EMC104-SM-SM-1000	230546	2024/8/10	2025/8/9
7	MXE EMI Receiver	Keysight	N9038A	MY50018009	2024/8/30	2025/8/29
7	Measurement Software	Farad	EZ_EMC (Ver. NB-03A1-01)	N/A	N/A	N/A

Radiated Emissions - Above 1GHz						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Horn Antenna	RFSPIN	DRH18-E	KV2D02A18ES	2024/6/7	2025/6/6
2	Pre-Amplifier	EMCI	EMC118A45SE	980962	2024/8/9	2025/8/8
3	Test Cable	EMCI	EMC104-SM-SM-6000	230540	2024/8/10	2025/8/9
4	Test Cable	EMCI	EMC104-SM-SM-2500	230541	2024/8/10	2025/8/9
5	Test Cable	EMCI	EMC104-SM-SM-1000	230546	2024/8/10	2025/8/9
6	MXE EMI Receiver	Keysight	N9038A	MY50018009	2024/8/30	2025/8/29
7	Measurement Software	Farad	EZ_EMC (Ver. NB-03A1-01)	N/A	N/A	N/A

Radiated Emissions - Above 18GHz						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Horn Antenna	Schwarzbeck	BBHA 9170	01228	2024/6/12	2025/6/11
2	Pre-Amplifier	EMCI	EMC184045SE	980918	2024/8/9	2025/8/8
3	Test Cable	EMCI	EMC104-35M-35M-1000	230547	2024/8/10	2025/8/9
4	Test Cable	EMCI	EMC104-35M-35M-4700	230548	2024/8/10	2025/8/9
5	MXE EMI Receiver	Keysight	N9038A	MY50018009	2024/8/30	2025/8/29
6	Measurement Software	Farad	EZ_EMC (Ver. NB-03A1-01)	N/A	N/A	N/A

Bandwidth & Output Power & Conducted Spurious Emission & Power Spectral Density						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	MXE EMI Receiver	Keysight	N9038A	MY55420127	2024/6/19	2025/6/18

Remark: ”N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

10. EUT TEST PHOTO

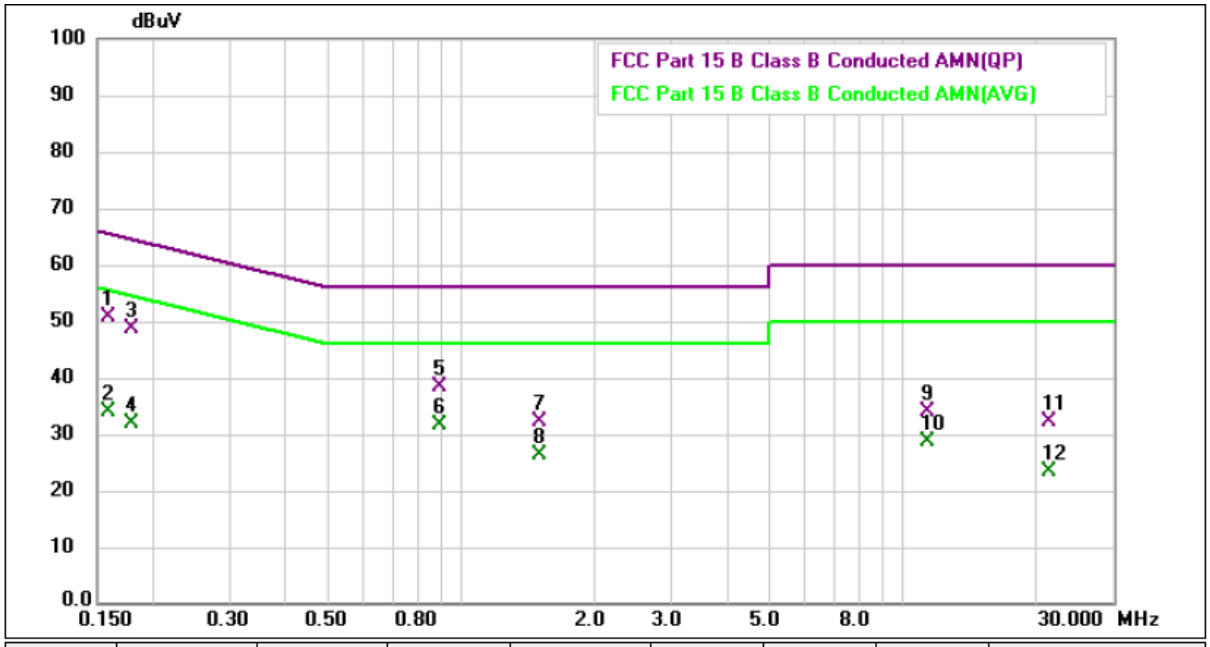
Please refer to document Appendix No.: TP-2412G027-1 (APPENDIX-TEST PHOTOS).

11. EUT PHOTOS

Please refer to document Appendix No.: EP-2412G027-1 (APPENDIX-EUT PHOTOS).

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

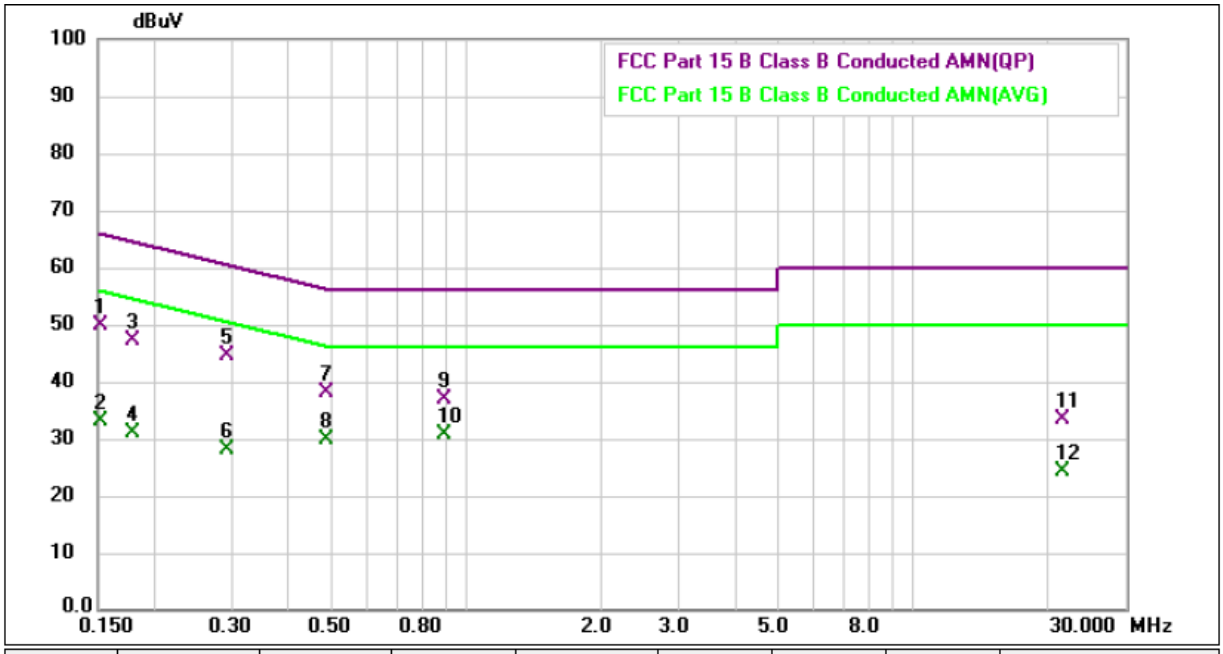
Test Mode	Normal	Tested Date	2025/1/10
Test Frequency	-	Phase	Line



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Comment
1		0.159000	41.20	9.62	50.82	65.52	-14.70	QP	
2		0.159000	24.30	9.62	33.92	55.52	-21.60	AVG	
3		0.179250	38.90	9.63	48.53	64.52	-15.99	QP	
4		0.179250	22.20	9.63	31.83	54.52	-22.69	AVG	
5		0.890250	28.60	9.66	38.26	56.00	-17.74	QP	
6	*	0.890250	22.00	9.66	31.66	46.00	-14.34	AVG	
7		1.509000	22.40	9.68	32.08	56.00	-23.92	QP	
8		1.509000	16.60	9.68	26.28	46.00	-19.72	AVG	
9		11.366250	24.10	9.80	33.90	60.00	-26.10	QP	
10		11.366250	18.80	9.80	28.60	50.00	-21.40	AVG	
11		21.417000	22.40	9.80	32.20	60.00	-27.80	QP	
12		21.417000	13.50	9.80	23.30	50.00	-26.70	AVG	

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

Test Mode	Normal	Tested Date	2025/1/10
Test Frequency	-	Phase	Neutral

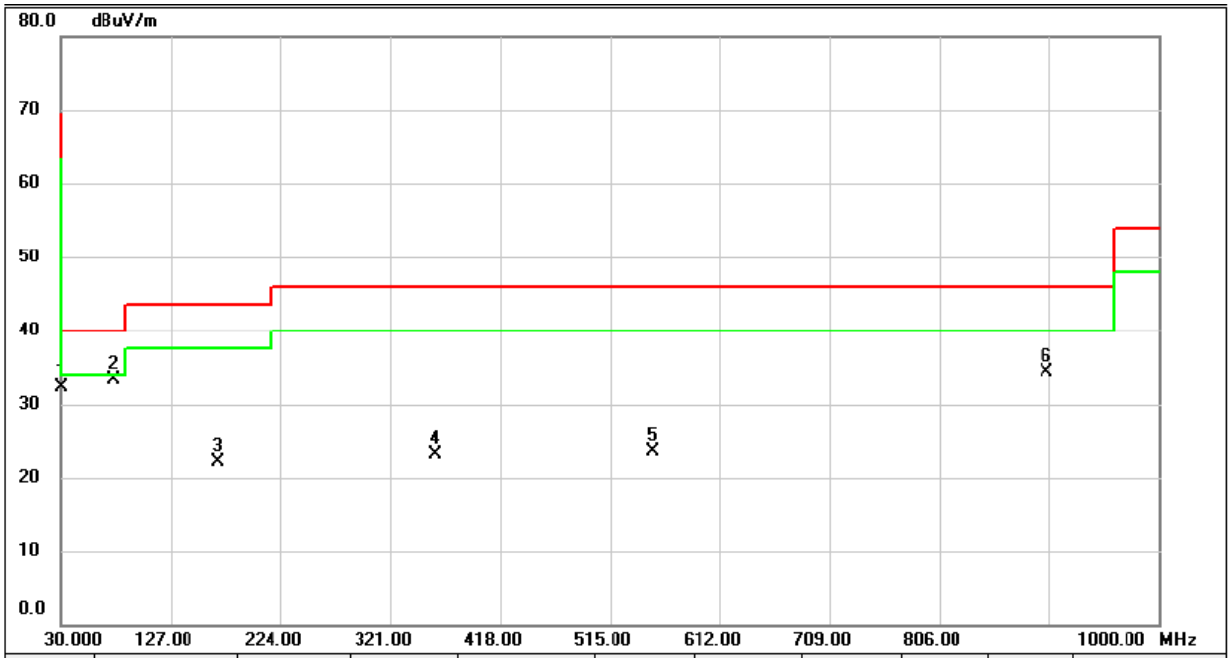


No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Comment
1		0.152250	40.10	9.62	49.72	65.88	-16.16	QP	
2		0.152250	23.60	9.62	33.22	55.88	-22.66	AVG	
3		0.179250	37.70	9.62	47.32	64.52	-17.20	QP	
4		0.179250	21.30	9.62	30.92	54.52	-23.60	AVG	
5		0.291750	35.00	9.63	44.63	60.47	-15.84	QP	
6		0.291750	18.50	9.63	28.13	50.47	-22.34	AVG	
7		0.485250	28.50	9.64	38.14	56.25	-18.11	QP	
8		0.485250	20.30	9.64	29.94	46.25	-16.31	AVG	
9		0.894750	27.40	9.65	37.05	56.00	-18.95	QP	
10	*	0.894750	21.10	9.65	30.75	46.00	-15.25	AVG	
11		21.743250	23.50	9.90	33.40	60.00	-26.60	QP	
12		21.743250	14.30	9.90	24.20	50.00	-25.80	AVG	

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

APPENDIX B - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

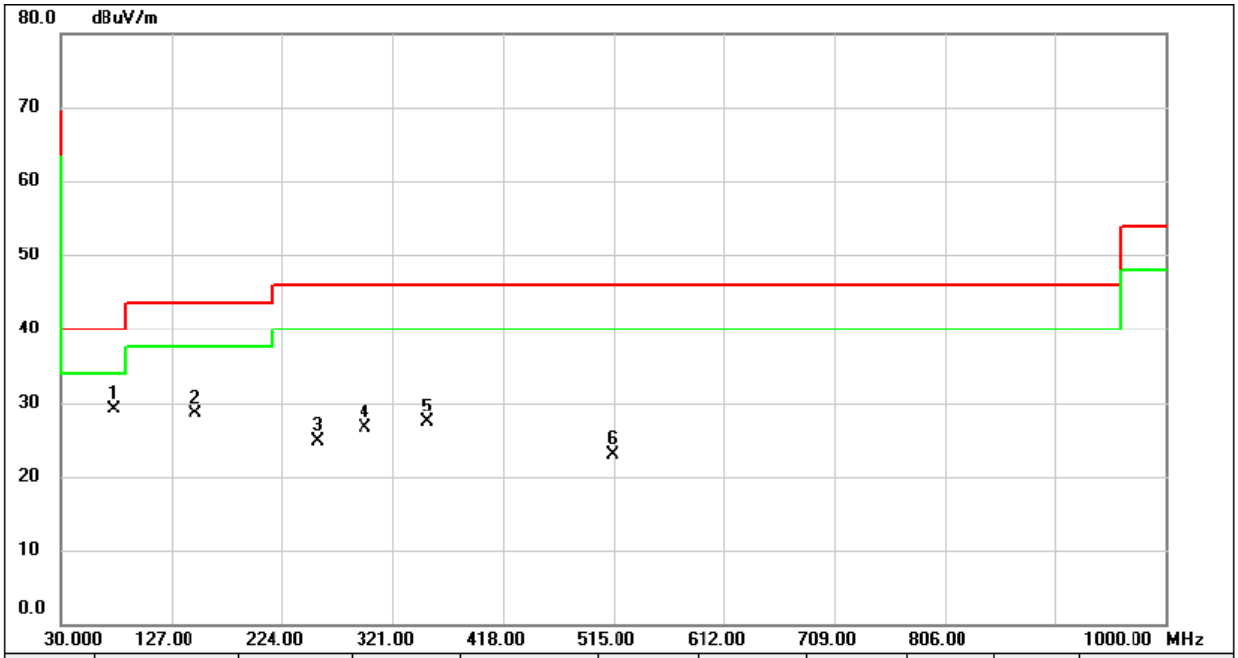
Test Mode	TX B Mode	Test Date	2025/1/10
Test Frequency	2462 MHz	Polarization	Vertical



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		30.0000	46.37	-14.02	32.35	40.00	-7.65	peak	100	160	
2	*	77.5300	50.30	-16.90	33.40	40.00	-6.60	peak	100	248	
3		168.7100	35.16	-12.99	22.17	43.50	-21.33	peak	100	72	
4		360.7700	33.64	-10.52	23.12	46.00	-22.88	peak	100	223	
5		552.8300	30.07	-6.63	23.44	46.00	-22.56	peak	100	160	
6		901.0600	35.68	-1.44	34.24	46.00	-11.76	peak	100	85	

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

Test Mode	TX B Mode	Test Date	2025/1/10
Test Frequency	2462 MHz	Polarization	Horizontal

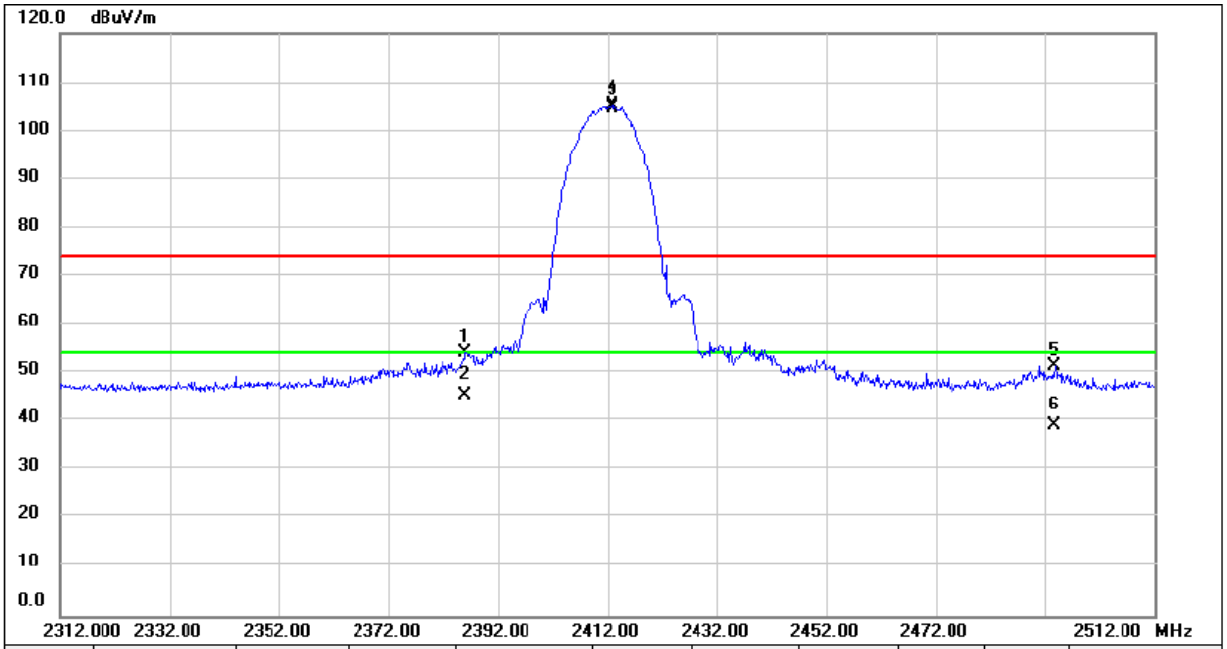


No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1	*	76.5600	45.67	-16.66	29.01	40.00	-10.99	peak	100	165	
2		148.3400	41.18	-12.63	28.55	43.50	-14.95	peak	100	109	
3		255.0400	38.37	-13.58	24.79	46.00	-21.21	peak	100	208	
4		296.7500	38.50	-12.05	26.45	46.00	-19.55	peak	100	233	
5		351.0700	38.15	-10.78	27.37	46.00	-18.63	peak	100	245	
6		514.0300	30.14	-7.31	22.83	46.00	-23.17	peak	100	226	

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

APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ

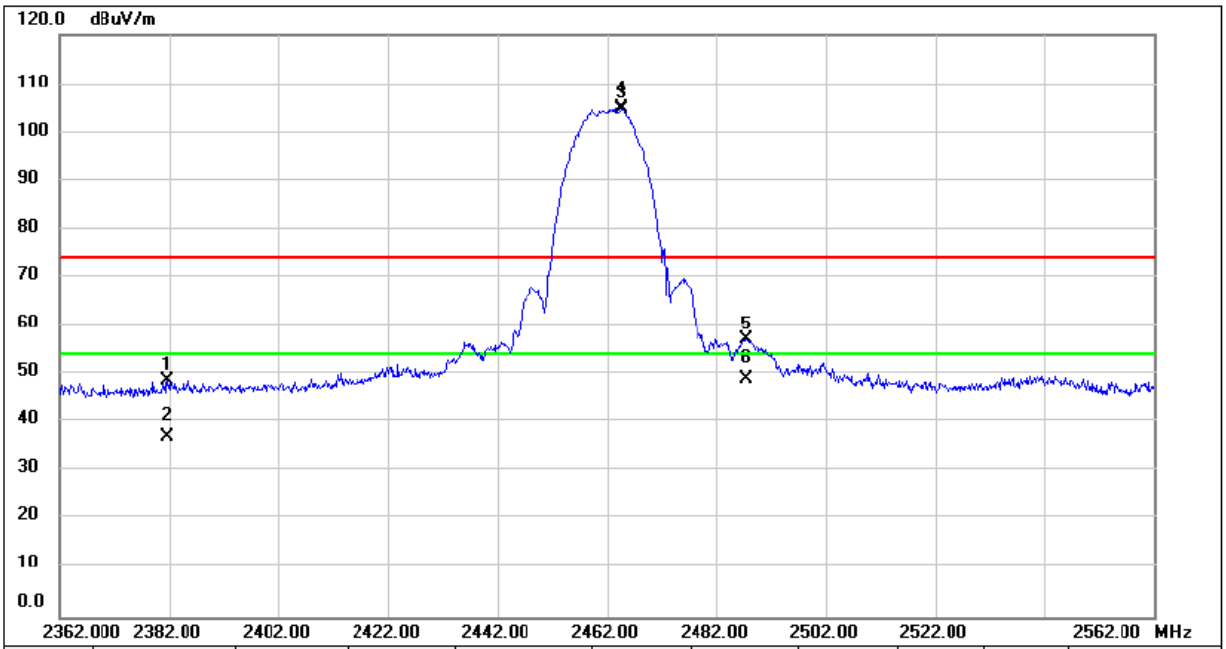
Test Mode	TX B Mode	Test Date	2025/1/10
Test Frequency	2412 MHz	Polarization	Horizontal



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		2386.000	50.26	3.79	54.05	74.00	-19.95	peak			
2		2386.000	41.79	3.79	45.58	54.00	-8.42	AVG			
3	X	2412.800	101.24	3.84	105.08	74.00	31.08	peak			
4	*	2412.800	100.63	3.84	104.47	54.00	50.47	AVG			
5		2493.800	47.54	3.97	51.51	74.00	-22.49	peak			
6		2493.800	35.22	3.97	39.19	54.00	-14.81	AVG			

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

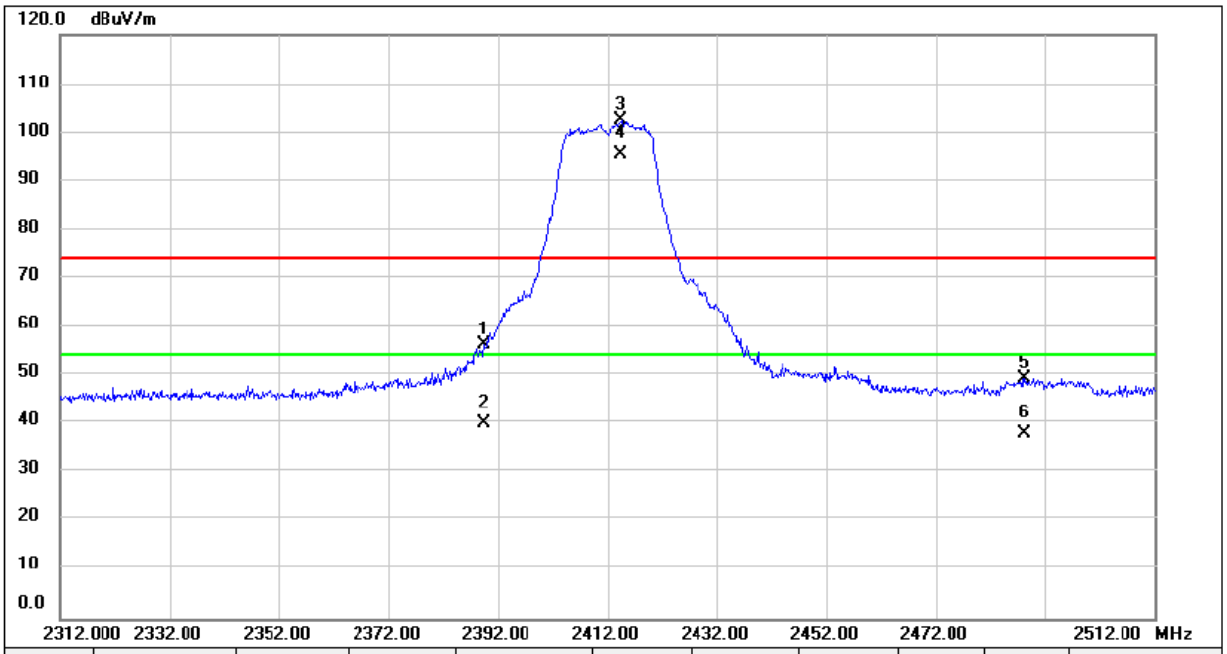
Test Mode	TX B Mode	Test Date	2025/1/10
Test Frequency	2462 MHz	Polarization	Horizontal



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		2381.600	45.01	3.79	48.80	74.00	-25.20	peak			
2		2381.600	33.40	3.79	37.19	54.00	-16.81	AVG			
3	X	2464.800	101.04	3.93	104.97	74.00	30.97	peak			
4	*	2464.800	100.52	3.93	104.45	54.00	50.45	AVG			
5		2487.400	53.23	3.96	57.19	74.00	-16.81	peak			
6		2487.400	45.22	3.96	49.18	54.00	-4.82	AVG			

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

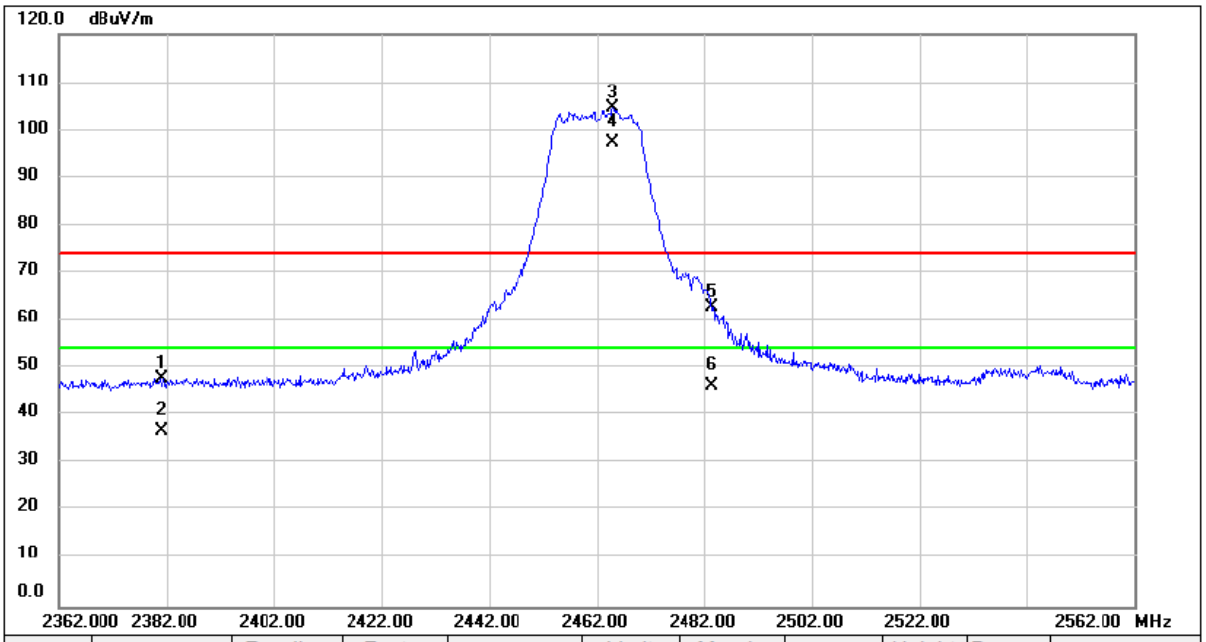
Test Mode	TX G Mode	Test Date	2025/1/10
Test Frequency	2412 MHz	Polarization	Horizontal



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		2389.400	52.33	3.80	56.13	74.00	-17.87	peak			
2		2389.400	36.29	3.80	40.09	54.00	-13.91	AVG			
3	X	2414.600	98.49	3.84	102.33	74.00	28.33	peak			
4	*	2414.600	91.72	3.84	95.56	54.00	41.56	AVG			
5		2488.000	45.45	3.96	49.41	74.00	-24.59	peak			
6		2488.000	34.06	3.96	38.02	54.00	-15.98	AVG			

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

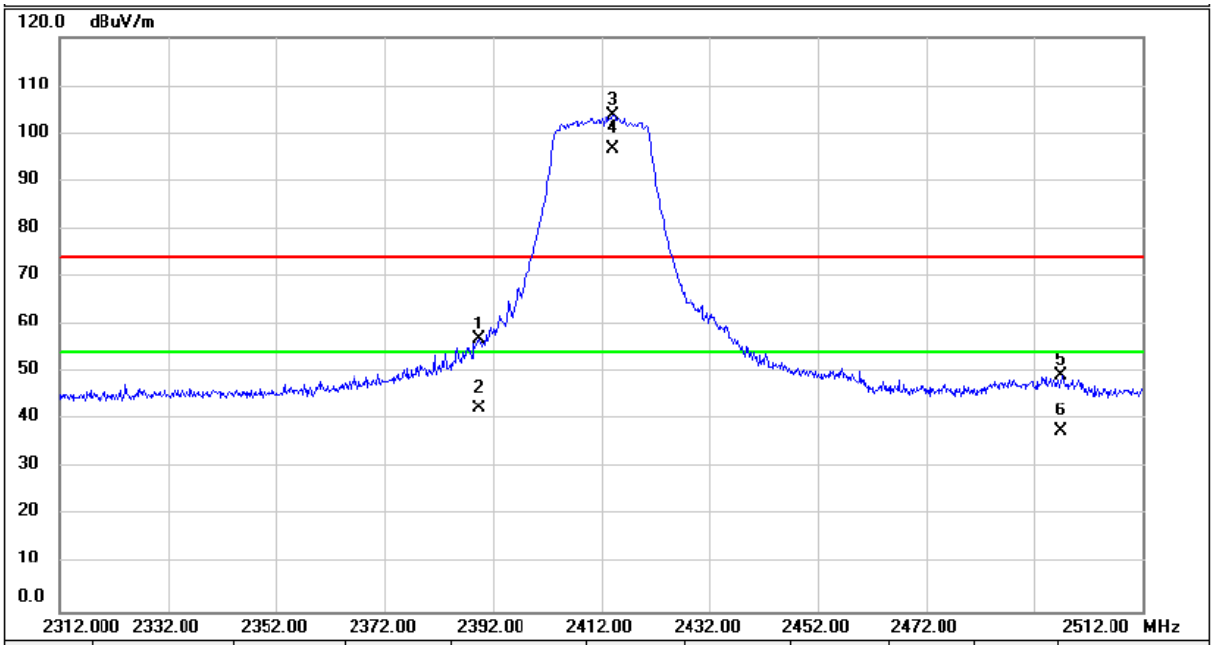
Test Mode	TX G Mode	Test Date	2025/1/10
Test Frequency	2462 MHz	Polarization	Horizontal



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		2381.200	44.19	3.79	47.98	74.00	-26.02	peak			
2		2381.200	33.01	3.79	36.80	54.00	-17.20	AVG			
3	X	2465.000	100.50	3.93	104.43	74.00	30.43	peak			
4	*	2465.000	93.50	3.93	97.43	54.00	43.43	AVG			
5		2483.600	58.86	3.96	62.82	74.00	-11.18	peak			
6		2483.600	42.54	3.96	46.50	54.00	-7.50	AVG			

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

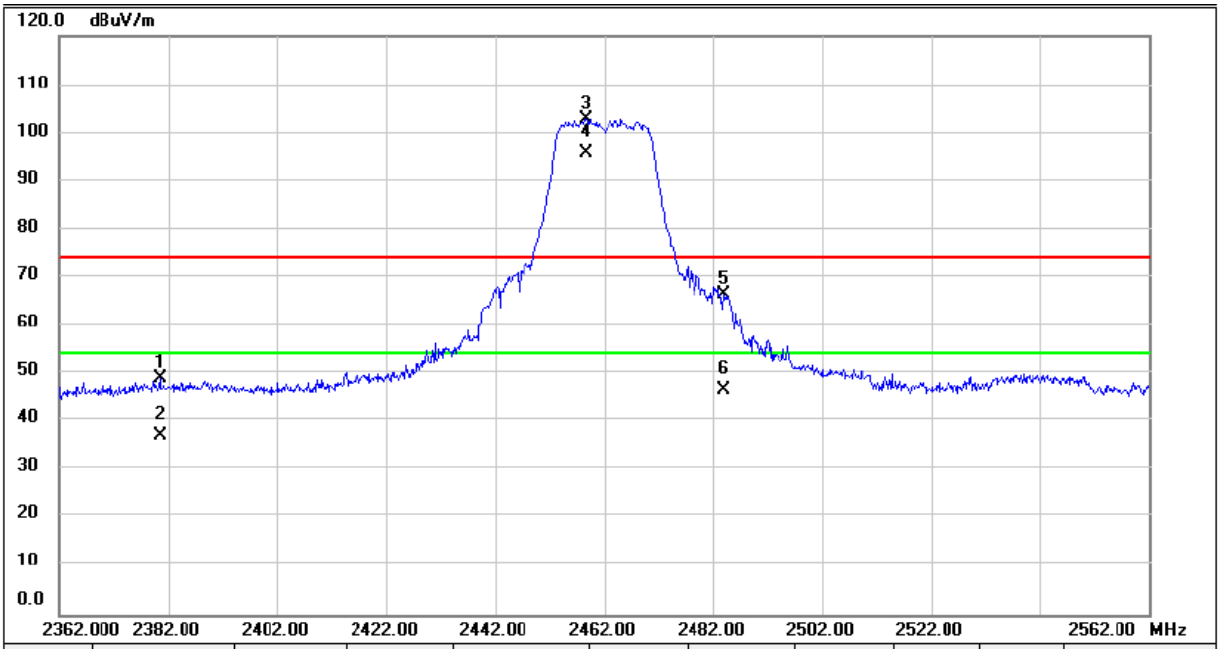
Test Mode	TX N(HT20) Mode	Test Date	2025/1/10
Test Frequency	2412 MHz	Polarization	Horizontal



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		2389.400	53.05	3.80	56.85	74.00	-17.15	peak			
2		2389.400	38.62	3.80	42.42	54.00	-11.58	AVG			
3	X	2414.200	99.76	3.84	103.60	74.00	29.60	peak			
4	*	2414.200	92.91	3.84	96.75	54.00	42.75	AVG			
5		2497.000	45.45	3.98	49.43	74.00	-24.57	peak			
6		2497.000	33.78	3.98	37.76	54.00	-16.24	AVG			

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

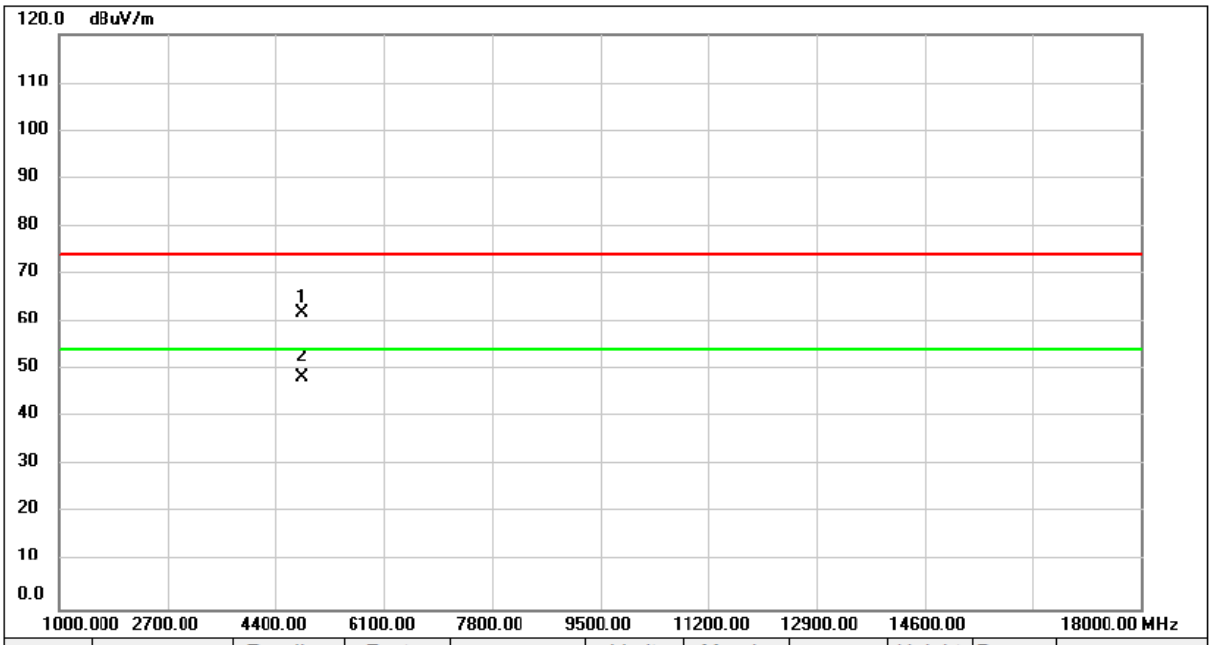
Test Mode	TX N(HT20) Mode	Test Date	2025/1/10
Test Frequency	2462 MHz	Polarization	Horizontal



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		2380.400	45.14	3.79	48.93	74.00	-25.07	peak			
2		2380.400	33.35	3.79	37.14	54.00	-16.86	AVG			
3	X	2458.600	98.80	3.91	102.71	74.00	28.71	peak			
4	*	2458.600	91.91	3.91	95.82	54.00	41.82	AVG			
5		2484.000	62.57	3.96	66.53	74.00	-7.47	peak			
6		2484.000	42.75	3.96	46.71	54.00	-7.29	AVG			

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

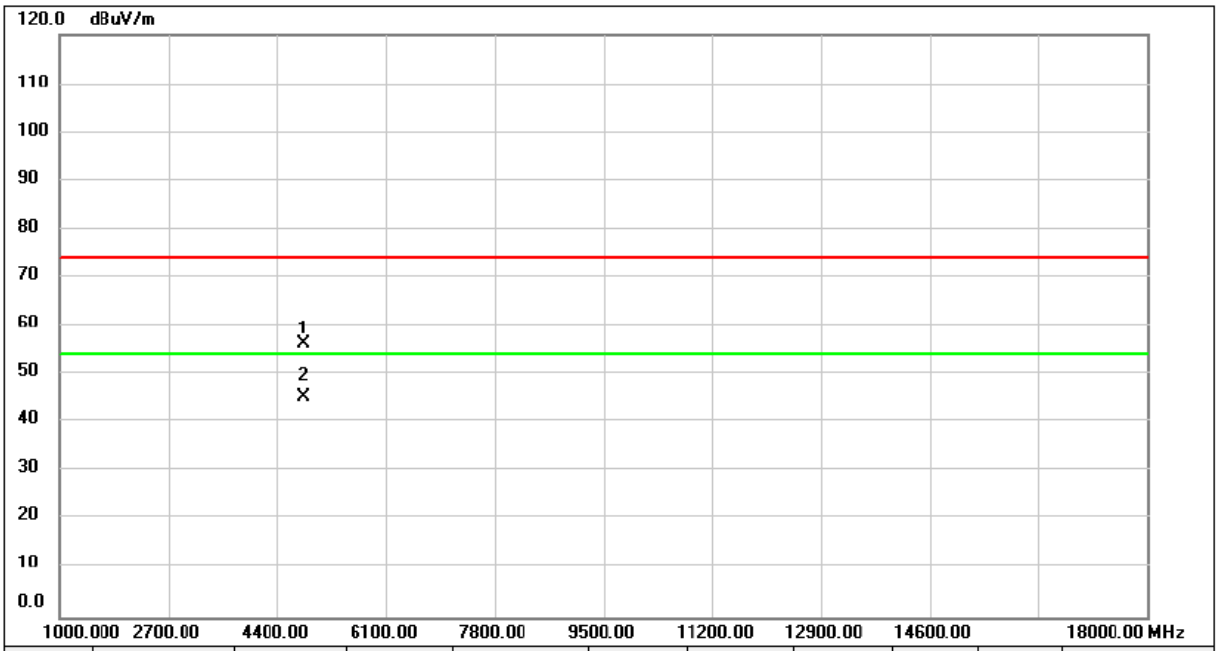
Test Mode	TX B Mode	Test Date	2025/1/10
Test Frequency	2412 MHz	Polarization	Vertical



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4822.000	61.93	0.10	62.03	74.00	-11.97	peak	100	274	
2	*	4822.000	48.22	0.10	48.32	54.00	-5.68	AVG	100	274	

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

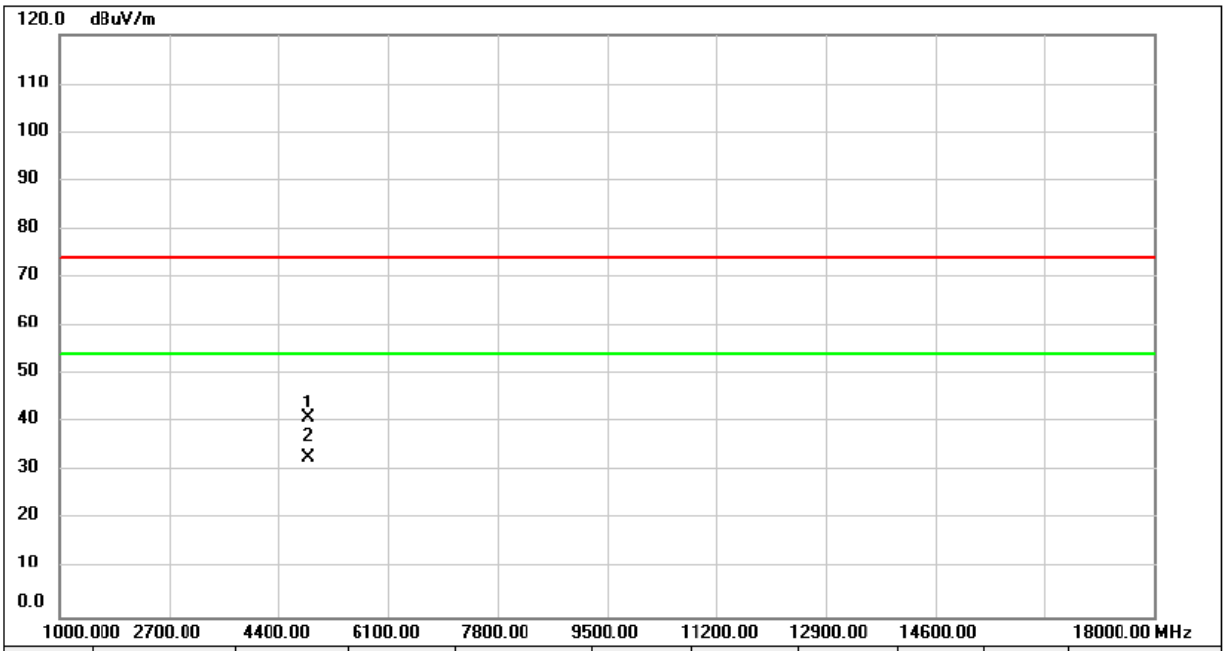
Test Mode	TX B Mode	Test Date	2025/1/10
Test Frequency	2412 MHz	Polarization	Horizontal



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4822.000	56.20	0.10	56.30	74.00	-17.70	peak	100	140	
2	*	4822.000	45.30	0.10	45.40	54.00	-8.60	AVG	100	140	

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

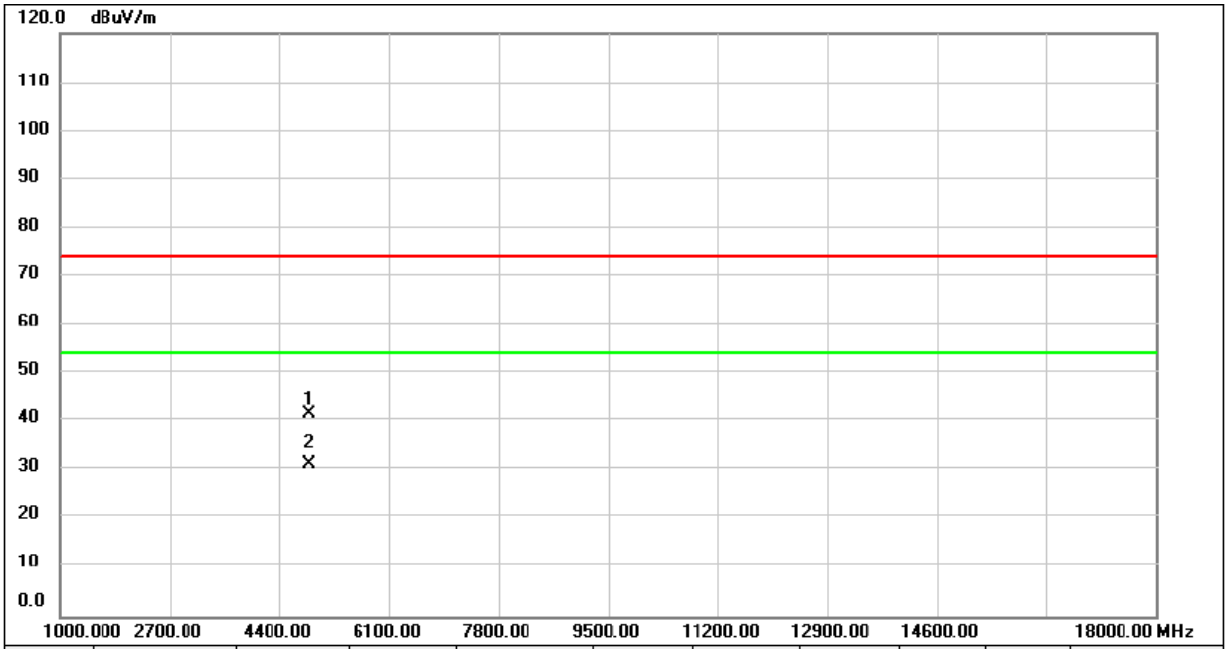
Test Mode	TX B Mode	Test Date	2025/1/10
Test Frequency	2437 MHz	Polarization	Vertical



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4874.000	40.75	0.19	40.94	74.00	-33.06	peak	100	299	
2	*	4874.000	32.66	0.19	32.85	54.00	-21.15	AVG	100	299	

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

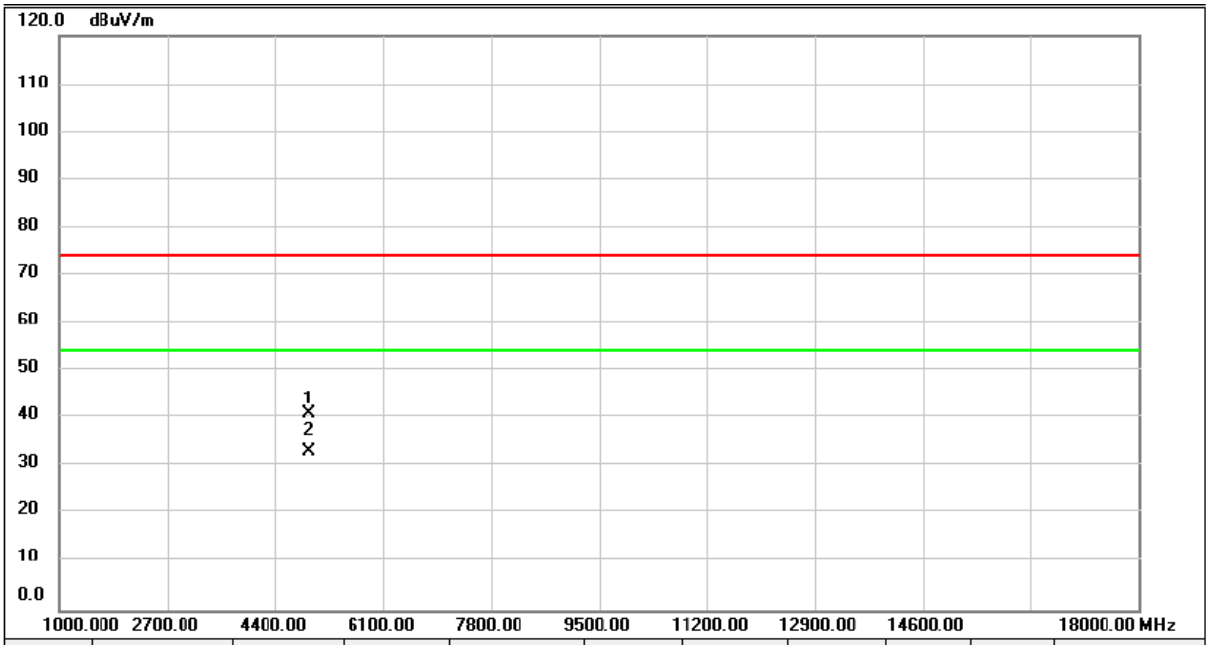
Test Mode	TX B Mode	Test Date	2025/1/10
Test Frequency	2437 MHz	Polarization	Horizontal



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4874.000	41.33	0.19	41.52	74.00	-32.48	peak	100	253	
2	*	4874.000	31.31	0.19	31.50	54.00	-22.50	AVG	100	253	

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

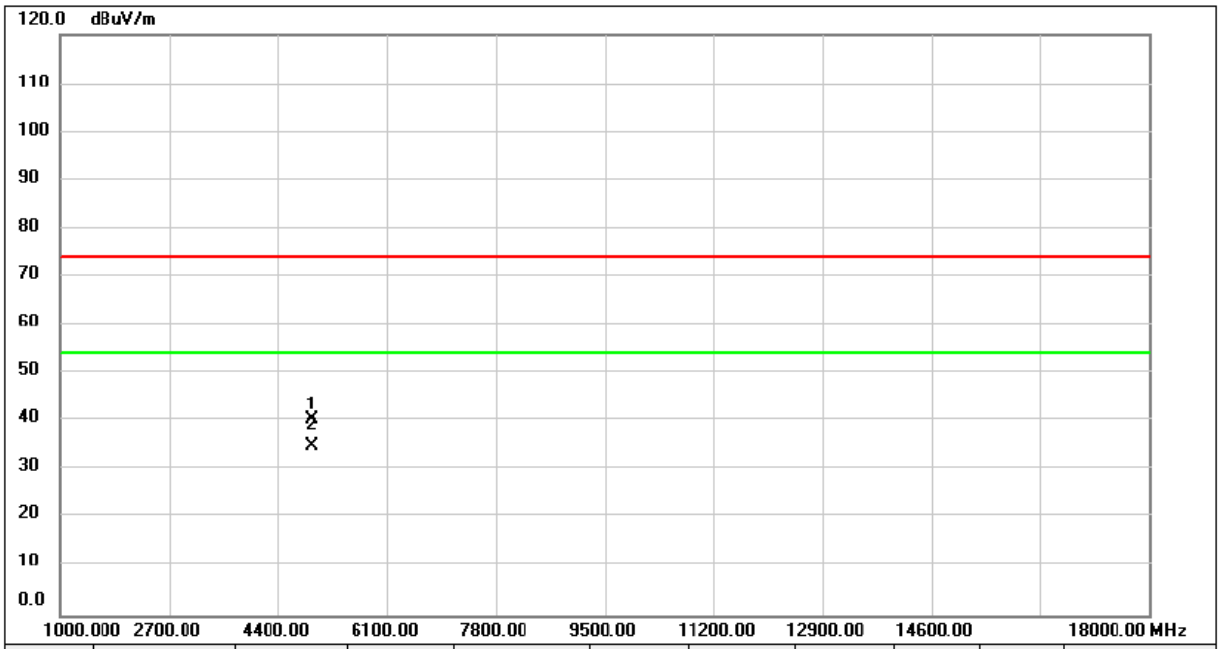
Test Mode	TX B Mode	Test Date	2025/1/10
Test Frequency	2462 MHz	Polarization	Vertical



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4924.000	40.65	0.29	40.94	74.00	-33.06	peak	100	35	
2	*	4924.000	32.94	0.29	33.23	54.00	-20.77	AVG	100	35	

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

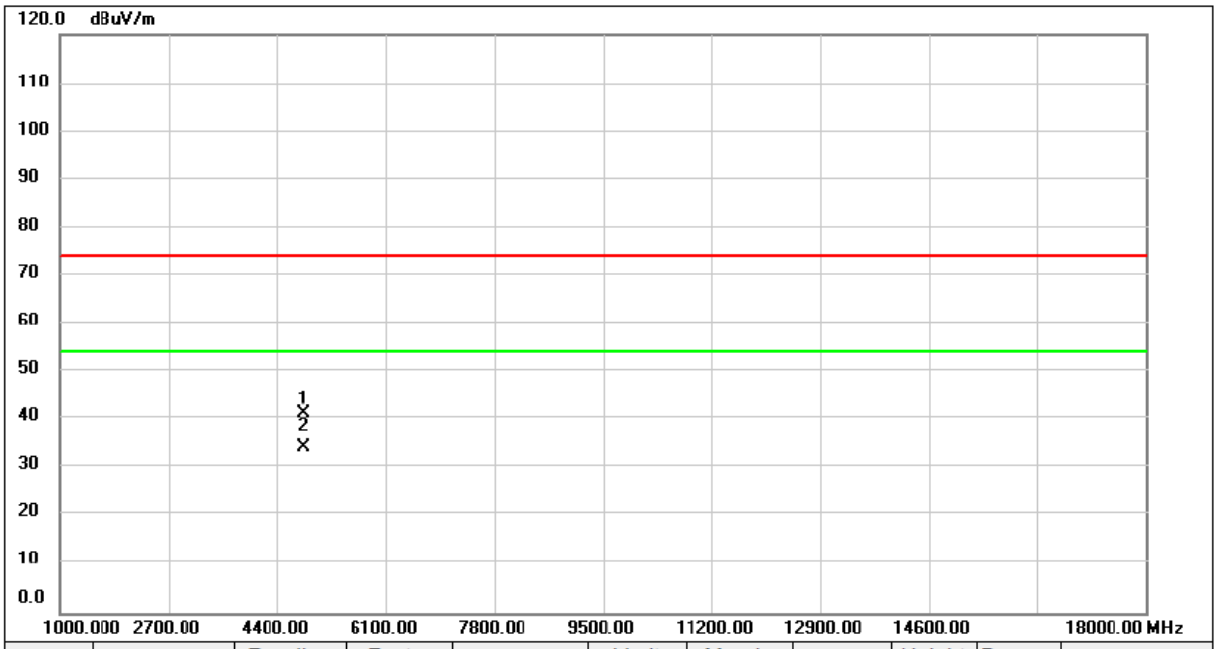
Test Mode	TX B Mode	Test Date	2025/1/10
Test Frequency	2462 MHz	Polarization	Horizontal



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4924.000	40.21	0.29	40.50	74.00	-33.50	peak	100	80	
2	*	4924.000	34.66	0.29	34.95	54.00	-19.05	AVG	100	80	

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

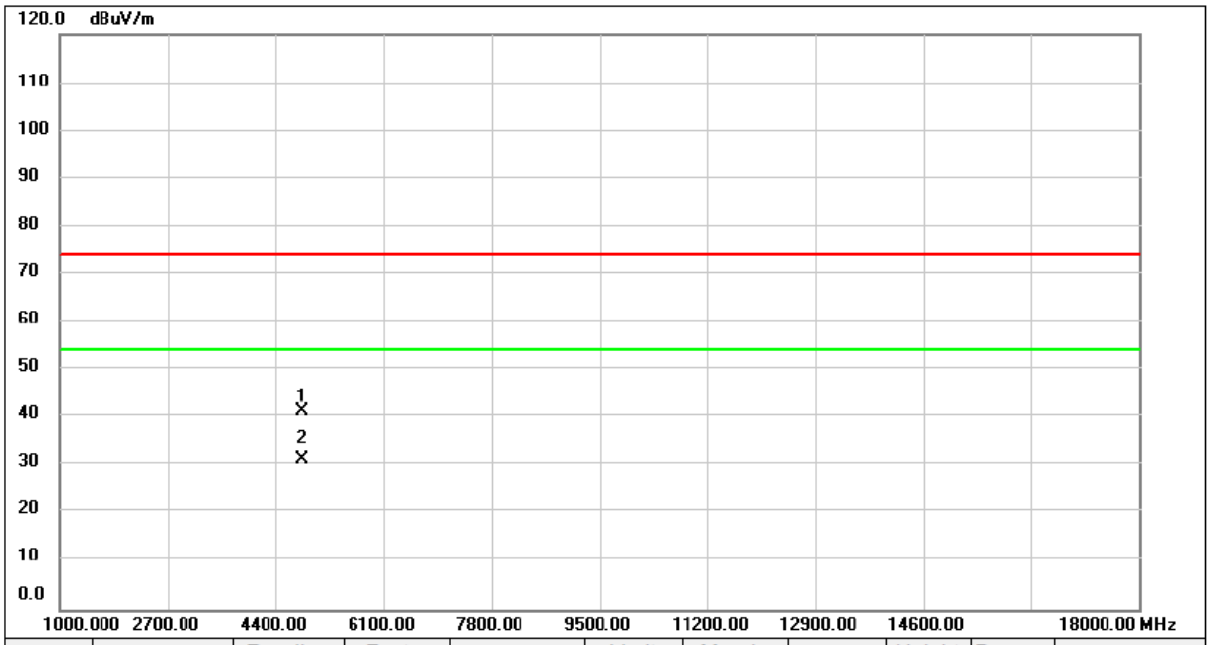
Test Mode	TX G Mode	Test Date	2025/1/10
Test Frequency	2412 MHz	Polarization	Vertical



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4824.000	41.05	0.10	41.15	74.00	-32.85	peak	100	309	
2	*	4824.000	34.20	0.10	34.30	54.00	-19.70	AVG	100	309	

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

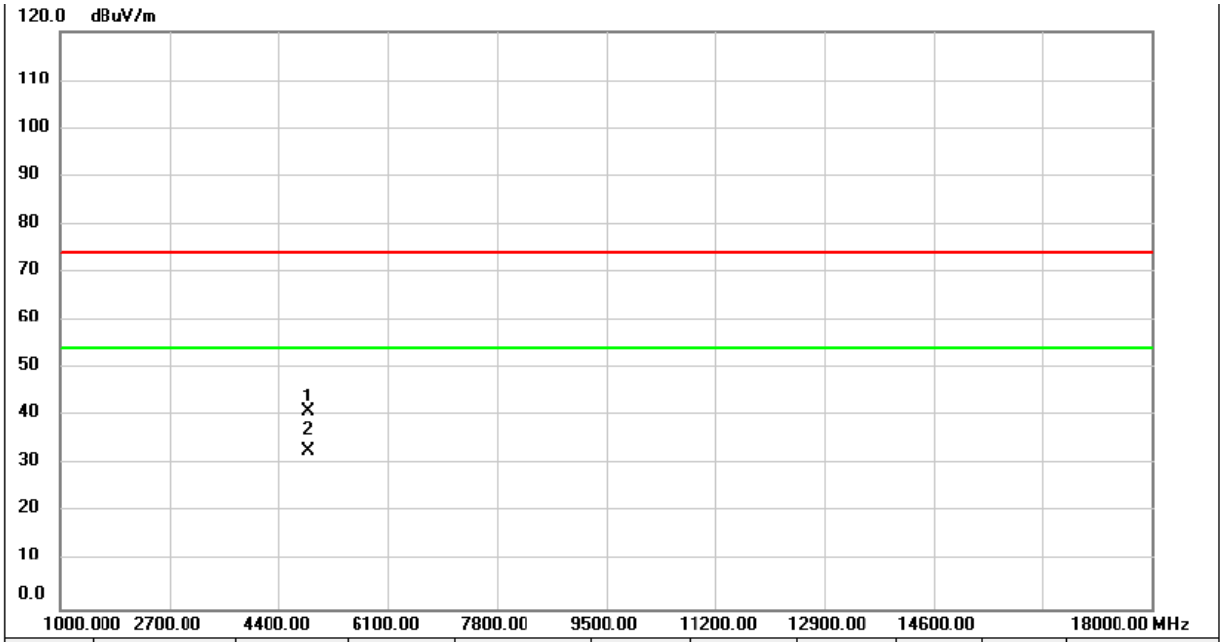
Test Mode	TX G Mode	Test Date	2025/1/10
Test Frequency	2412 MHz	Polarization	Horizontal



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4824.000	41.05	0.10	41.15	74.00	-32.85	peak	100	120	
2	*	4824.000	31.24	0.10	31.34	54.00	-22.66	AVG	100	120	

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

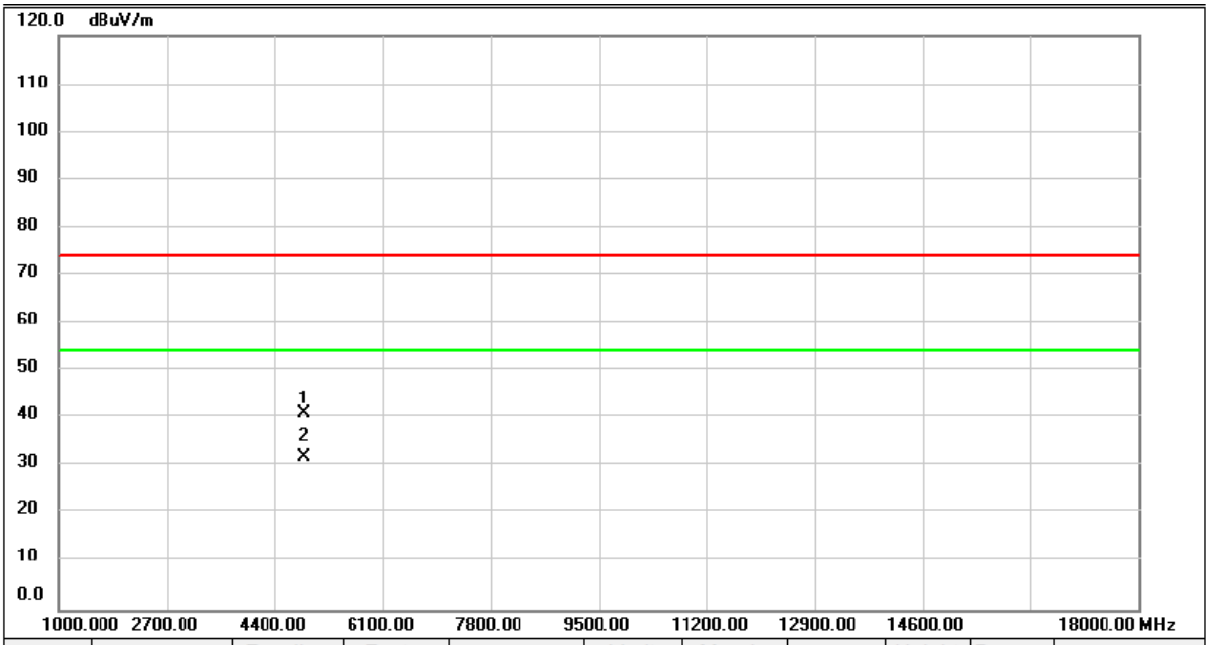
Test Mode	TX G Mode	Test Date	2025/1/10
Test Frequency	2437 MHz	Polarization	Vertical



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4874.000	40.84	0.19	41.03	74.00	-32.97	peak	100	0	
2	*	4874.000	32.66	0.19	32.85	54.00	-21.15	AVG	100	0	

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

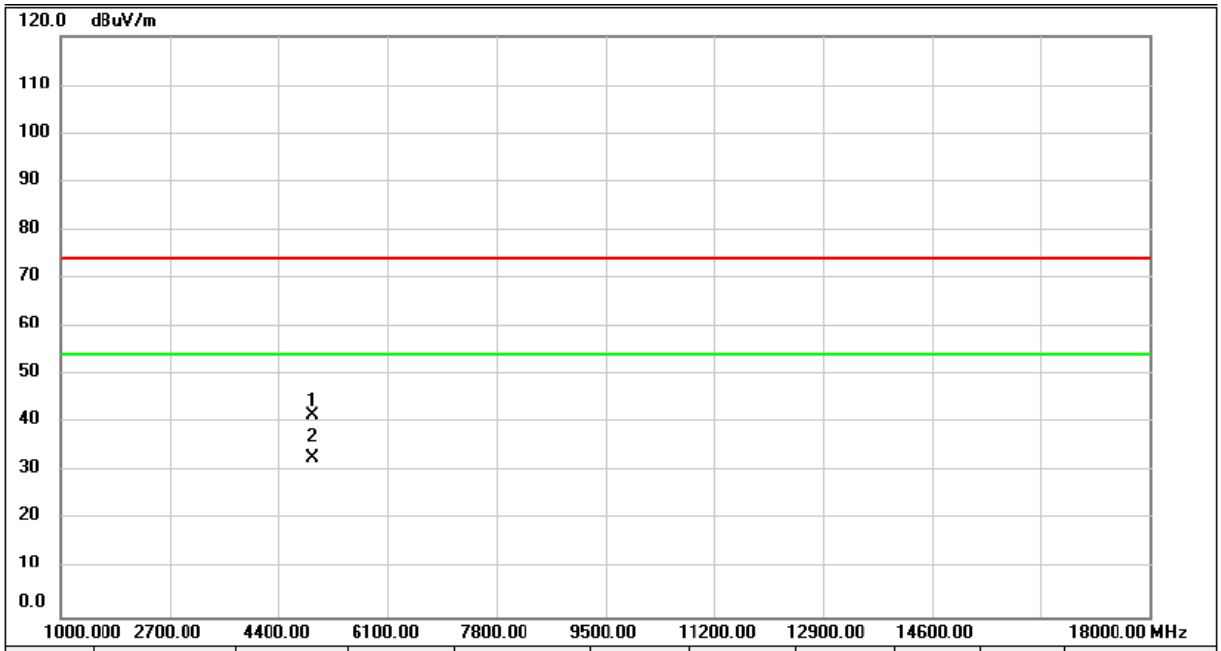
Test Mode	TX G Mode	Test Date	2025/1/10
Test Frequency	2437 MHz	Polarization	Horizontal



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4874.000	40.88	0.19	41.07	74.00	-32.93	peak	100	173	
2	*	4874.000	31.62	0.19	31.81	54.00	-22.19	AVG	100	173	

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

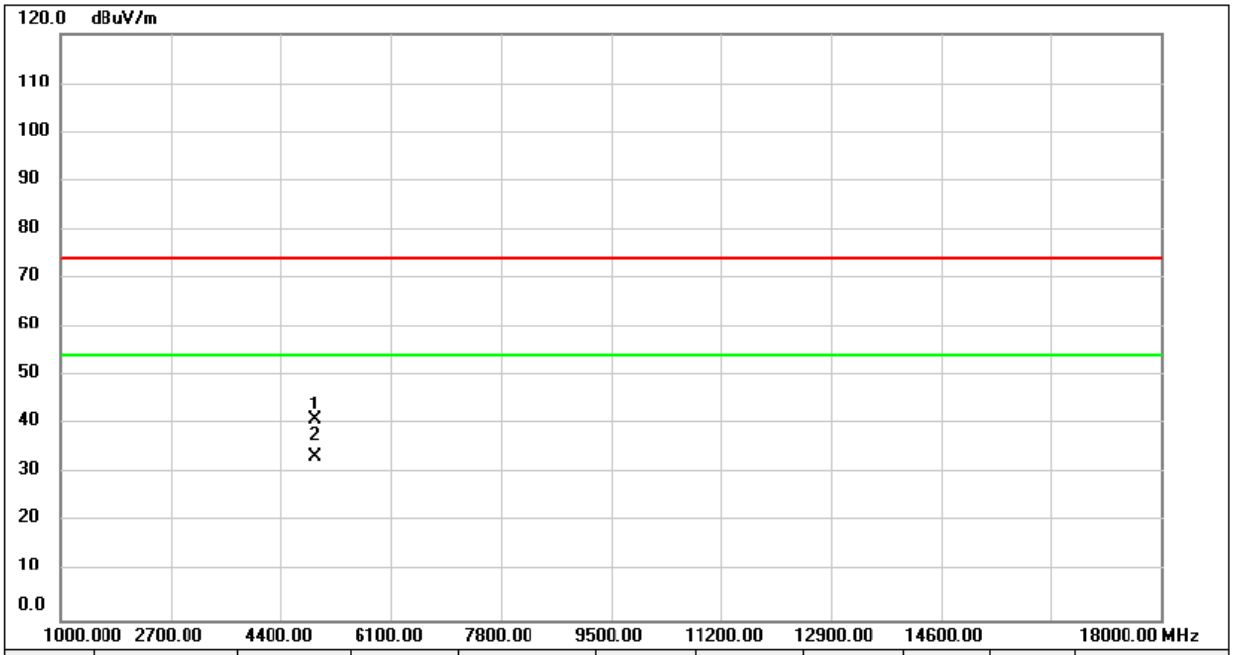
Test Mode	TX G Mode	Test Date	2025/1/10
Test Frequency	2462 MHz	Polarization	Vertical



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4924.000	41.40	0.29	41.69	74.00	-32.31	peak	100	42	
2	*	4924.000	32.57	0.29	32.86	54.00	-21.14	AVG	100	42	

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

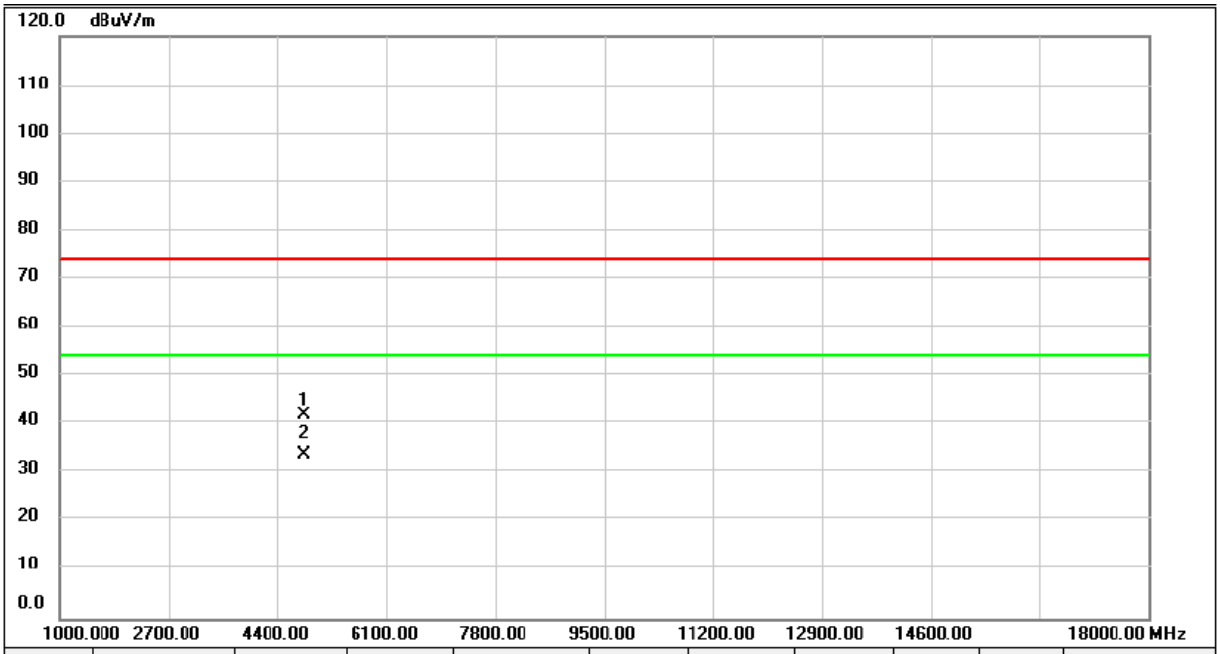
Test Mode	TX G Mode	Test Date	2025/1/10
Test Frequency	2462 MHz	Polarization	Horizontal



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4924.000	40.69	0.29	40.98	74.00	-33.02	peak	100	109	
2	*	4924.000	33.24	0.29	33.53	54.00	-20.47	AVG	100	109	

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

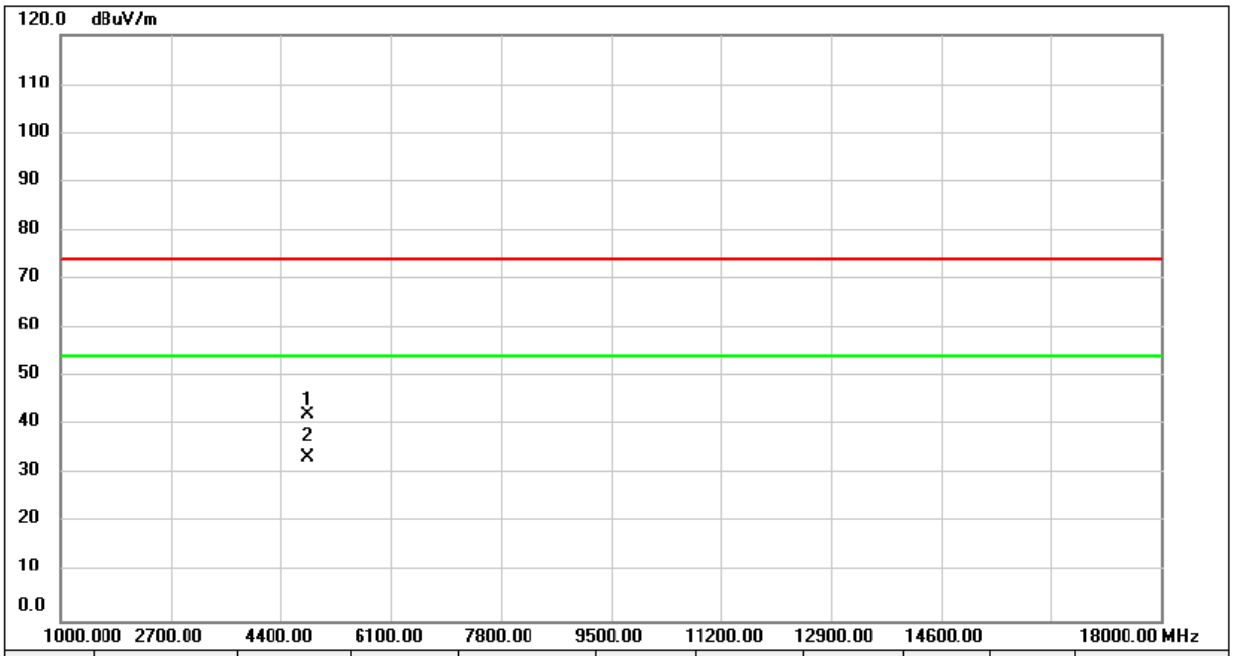
Test Mode	TX N(HT20) Mode	Test Date	2025/1/10
Test Frequency	2412 MHz	Polarization	Vertical



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4824.000	41.73	0.10	41.83	74.00	-32.17	peak	100	192	
2	*	4824.000	33.61	0.10	33.71	54.00	-20.29	AVG	100	192	

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

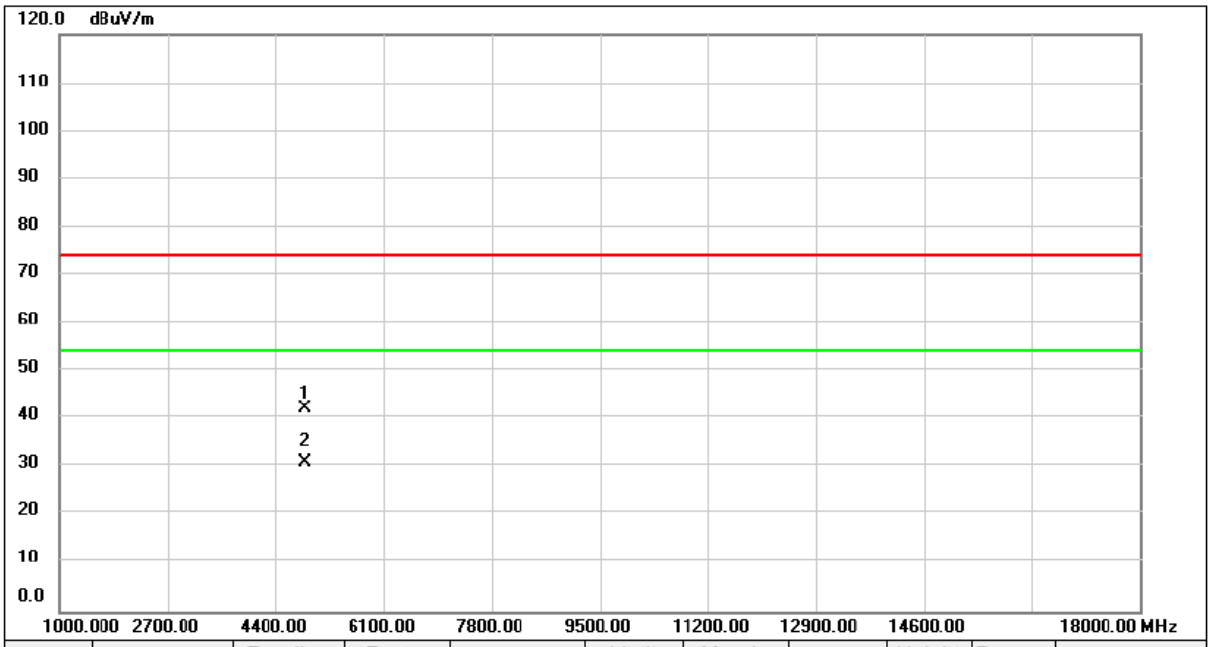
Test Mode	TX N(HT20) Mode	Test Date	2025/1/10
Test Frequency	2412 MHz	Polarization	Horizontal



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4824.000	42.12	0.10	42.22	74.00	-31.78	peak	100	53	
2	*	4824.000	33.25	0.10	33.35	54.00	-20.65	AVG	100	53	

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

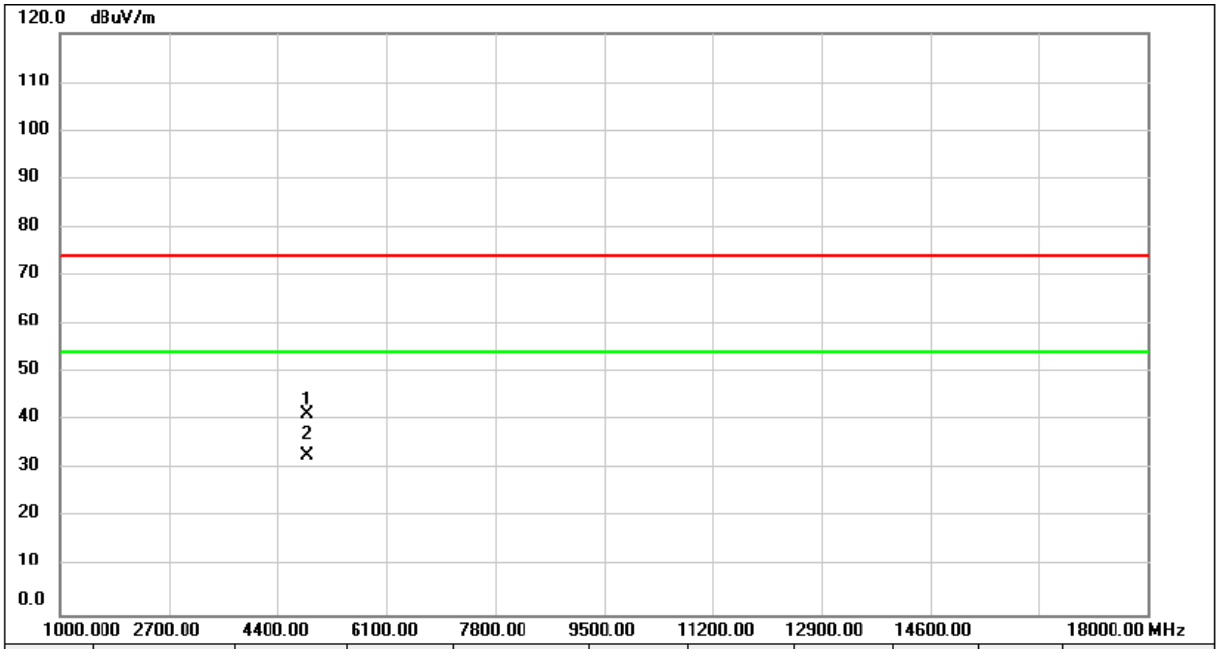
Test Mode	TX N(HT20) Mode	Test Date	2025/1/10
Test Frequency	2437 MHz	Polarization	Vertical



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4874.000	41.92	0.19	42.11	74.00	-31.89	peak	100	36	
2	*	4874.000	30.97	0.19	31.16	54.00	-22.84	AVG	100	36	

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

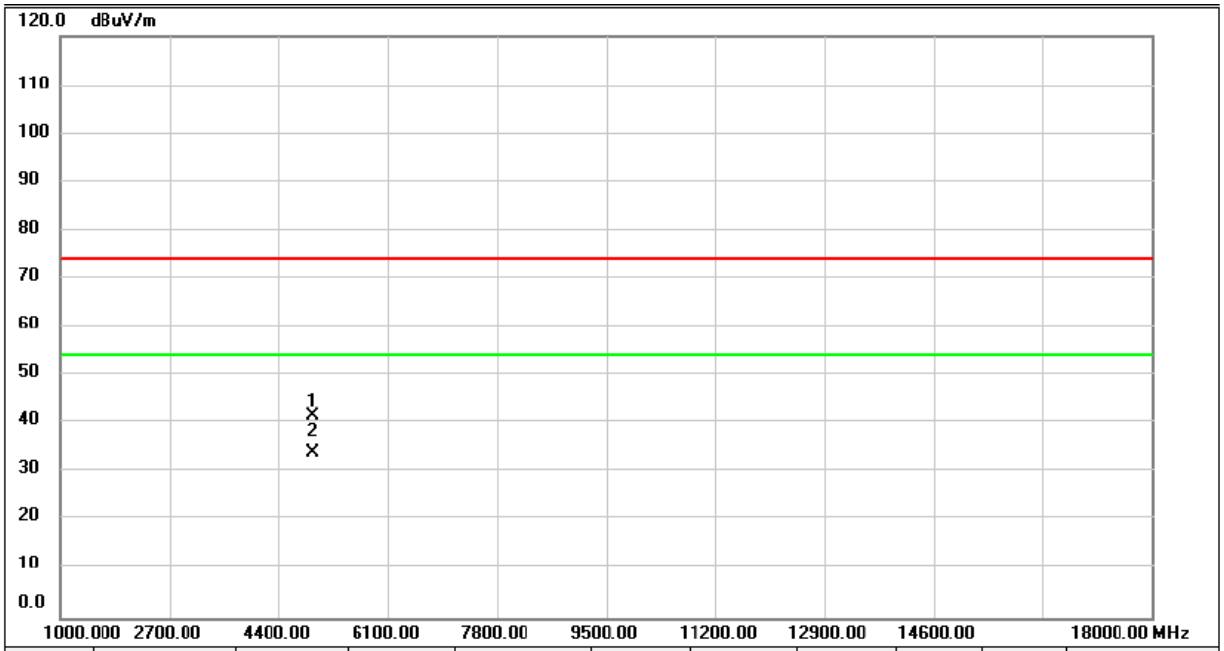
Test Mode	TX N(HT20) Mode	Test Date	2025/1/10
Test Frequency	2437 MHz	Polarization	Horizontal



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4874.000	41.13	0.19	41.32	74.00	-32.68	peak	100	359	
2	*	4874.000	32.61	0.19	32.80	54.00	-21.20	AVG	100	359	

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

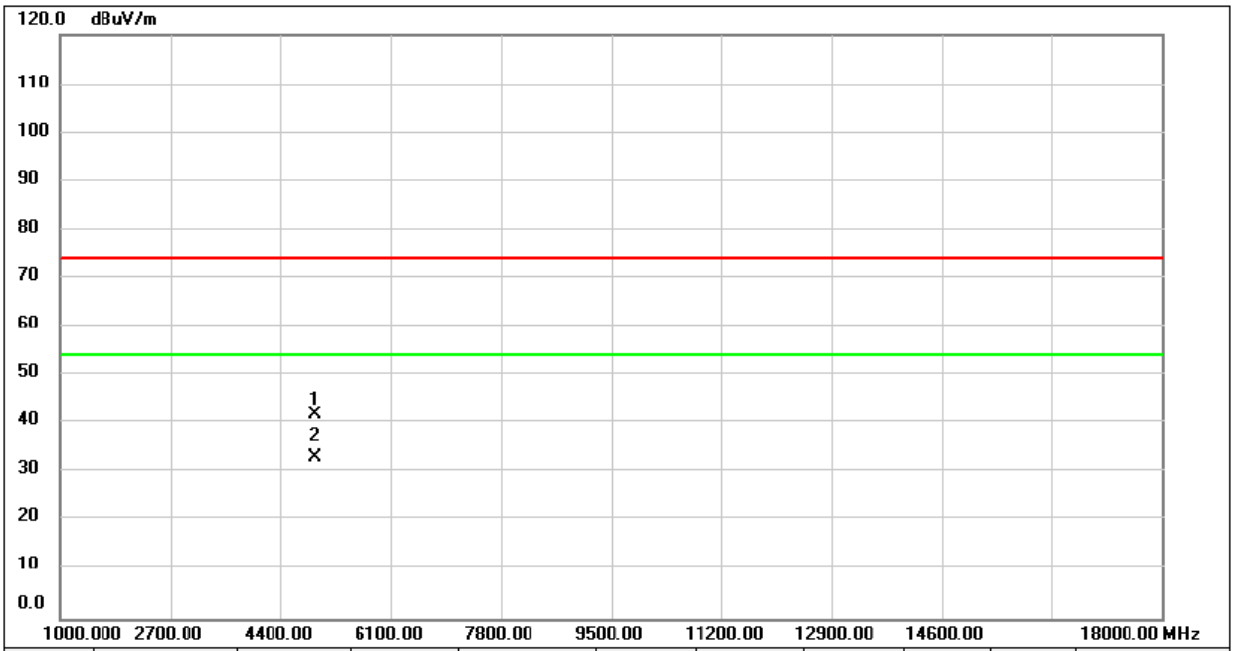
Test Mode	TX N(HT20) Mode	Test Date	2025/1/10
Test Frequency	2462 MHz	Polarization	Vertical



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4924.000	41.15	0.29	41.44	74.00	-32.56	peak	100	304	
2	*	4924.000	33.62	0.29	33.91	54.00	-20.09	AVG	100	304	

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

Test Mode	TX N(HT20) Mode	Test Date	2025/1/10
Test Frequency	2462 MHz	Polarization	Horizontal



No.		Freq. (MHz)	Reading (dBuV)	Factor (dB)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1		4924.000	41.42	0.29	41.71	74.00	-32.29	peak	100	61	
2	*	4924.000	32.79	0.29	33.08	54.00	-20.92	AVG	100	61	

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

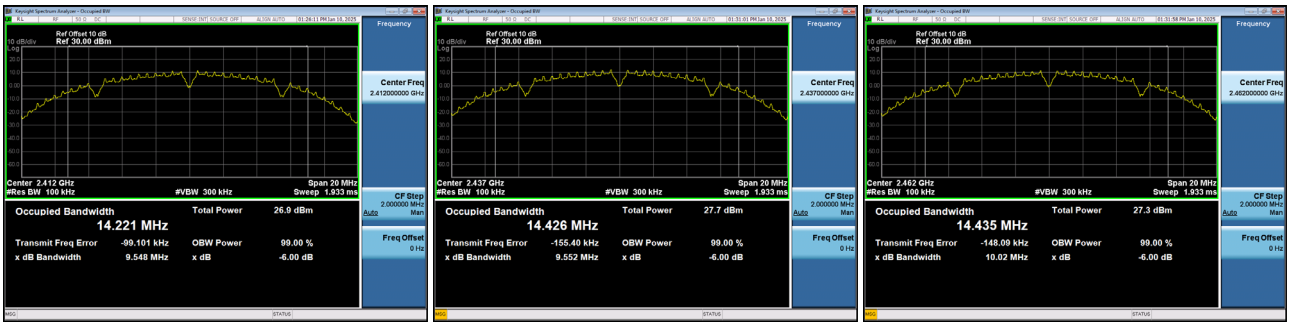
APPENDIX D - BANDWIDTH

Test Mode	TX B Mode

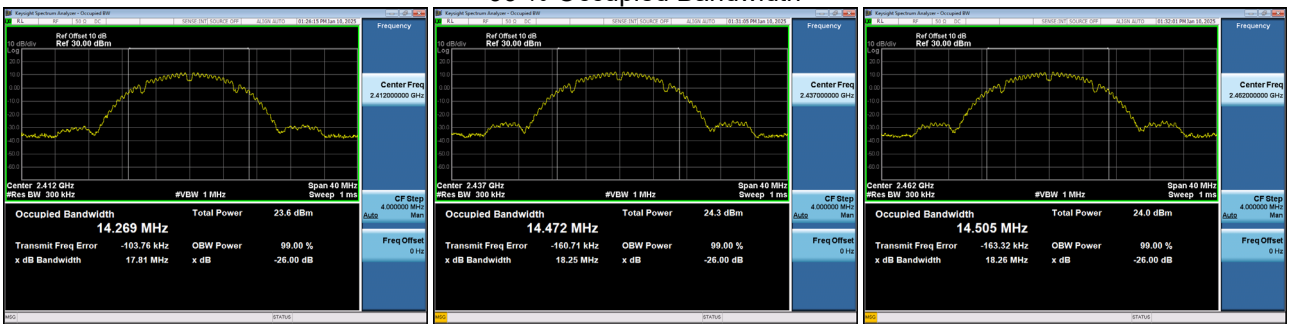
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	9.548	14.269	0.5	Complies
06	2437	9.552	14.472	0.5	Complies
11	2462	10.019	14.505	0.5	Complies

CH01 **CH06** **CH11**

6 dB Bandwidth



99 % Occupied Bandwidth

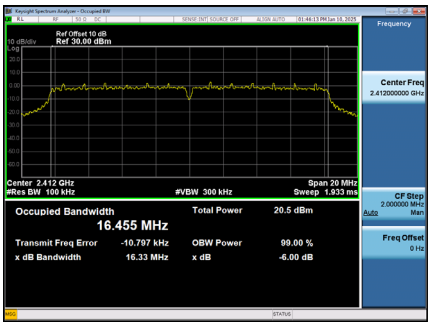


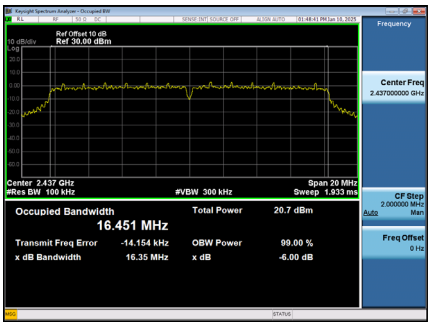
Test Mode	TX G Mode

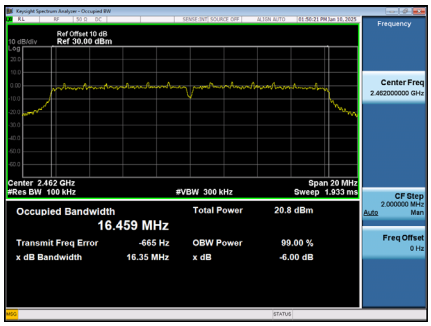
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	16.328	17.035	0.5	Complies
06	2437	16.347	16.938	0.5	Complies
11	2462	16.346	16.898	0.5	Complies

CH01 **CH06** **CH11**

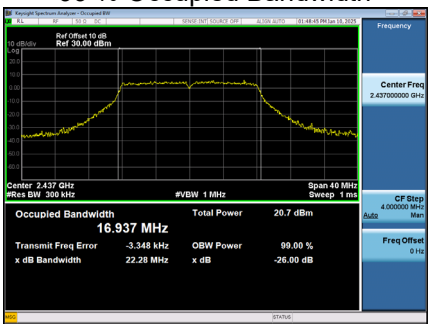
6 dB Bandwidth

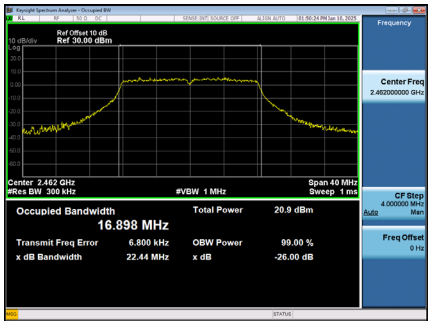






99 % Occupied Bandwidth



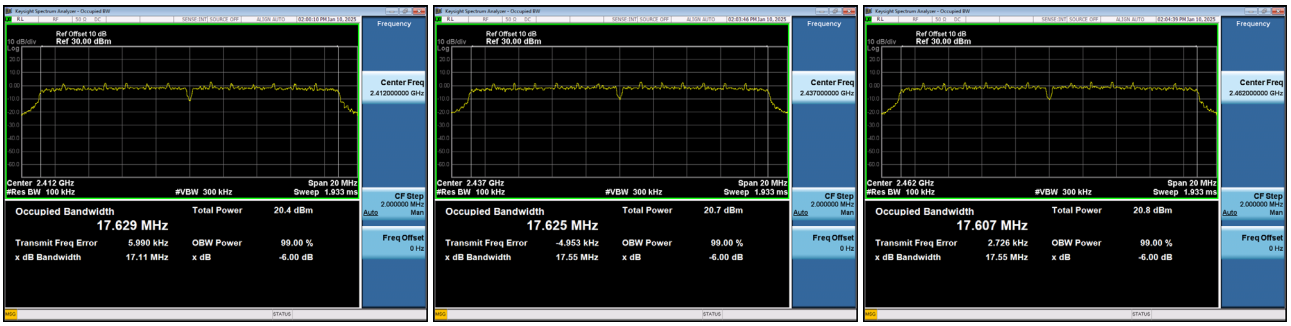


Test Mode	TX N(HT20) Mode

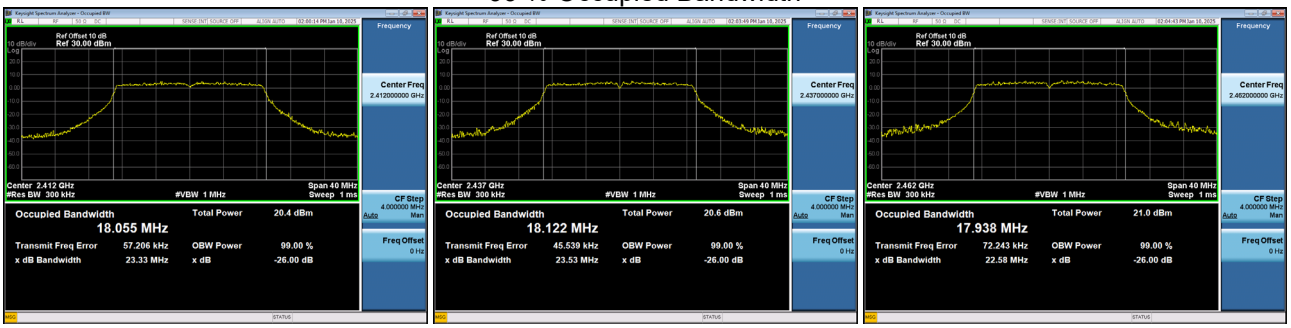
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	17.107	18.054	0.5	Complies
06	2437	17.547	18.123	0.5	Complies
11	2462	17.555	17.938	0.5	Complies

CH01 **CH06** **CH11**

6 dB Bandwidth



99 % Occupied Bandwidth



APPENDIX E - MAXIMUM OUTPUT POWER

Test Mode	TX B Mode	Test Date	2025/1/10

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	23.71	0.00	23.71	30.00	1.0000	Complies
06	2437	23.86	0.00	23.86	30.00	1.0000	Complies
11	2462	23.88	0.00	23.88	30.00	1.0000	Complies

Test Mode	TX G Mode	Test Date	2025/1/10

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	18.71	0.27	18.98	30.00	1.0000	Complies
06	2437	18.84	0.27	19.11	30.00	1.0000	Complies
11	2462	19.10	0.27	19.37	30.00	1.0000	Complies

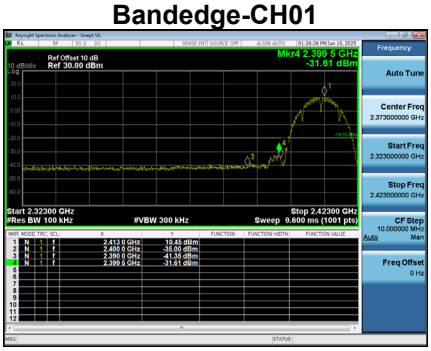
Test Mode	TX N(HT20) Mode	Test Date	2025/1/10

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	18.71	0.28	18.99	30.00	1.0000	Complies
06	2437	18.99	0.28	19.27	30.00	1.0000	Complies
11	2462	18.91	0.28	19.19	30.00	1.0000	Complies

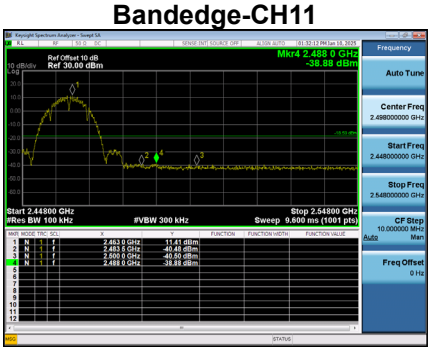
APPENDIX F - CONDUCTED SPURIOUS EMISSIONS

Test Mode	TX B Mode

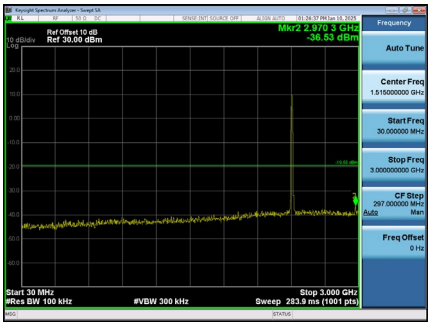
Bandedge-CH01

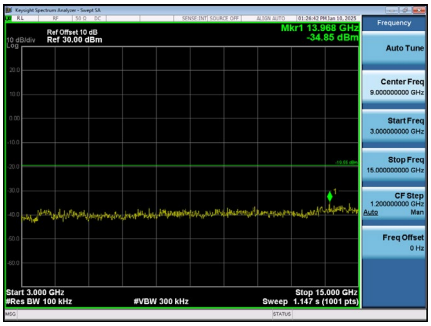


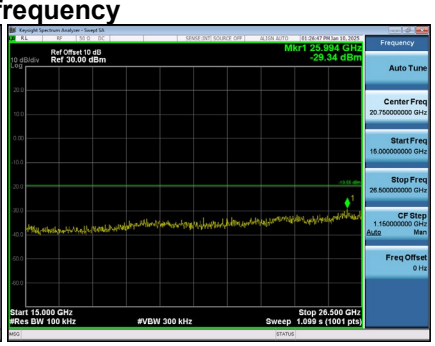
Bandedge-CH11



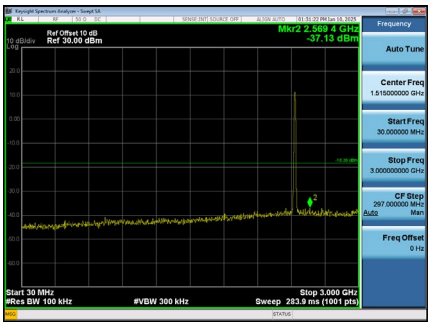
CH01 – 10th Harmonic of the fundamental frequency

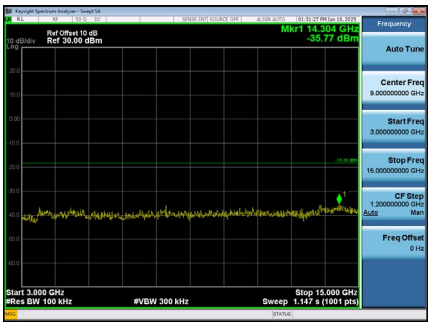


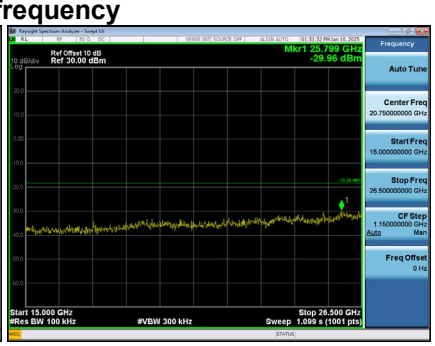




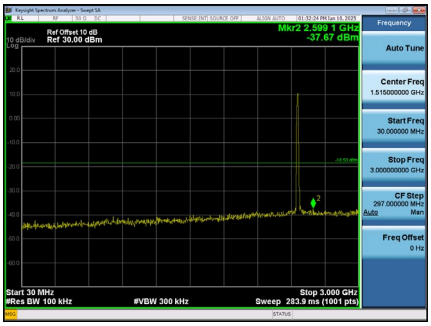
CH06 – 10th Harmonic of the fundamental frequency

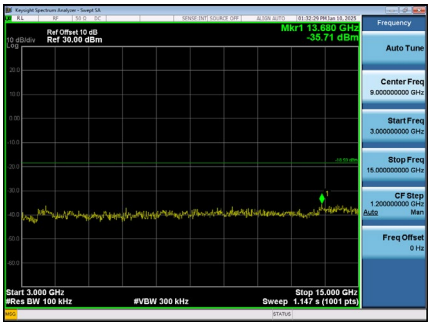


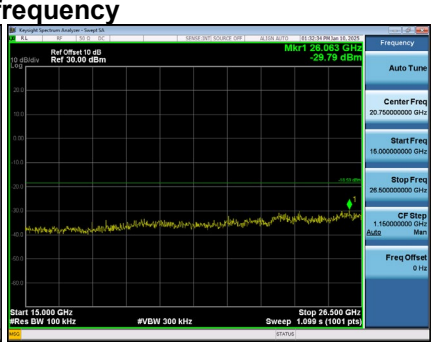




CH11 – 10th Harmonic of the fundamental frequency

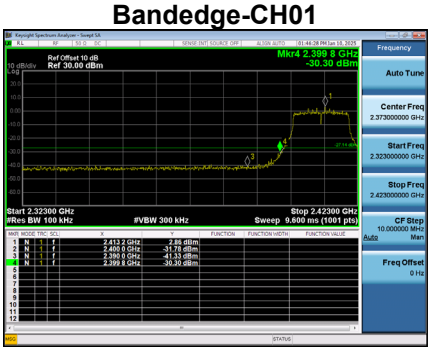




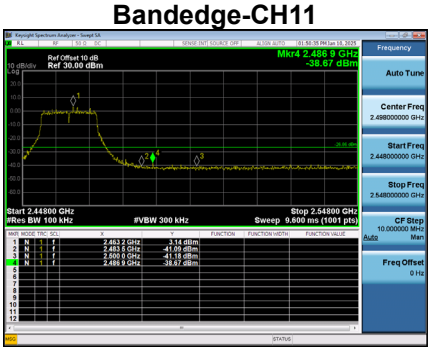


Test Mode	TX G Mode

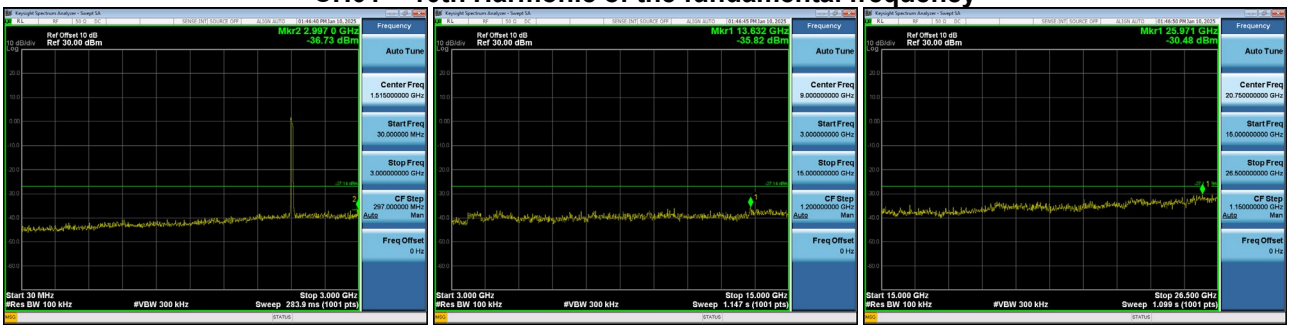
Bandedge-CH01



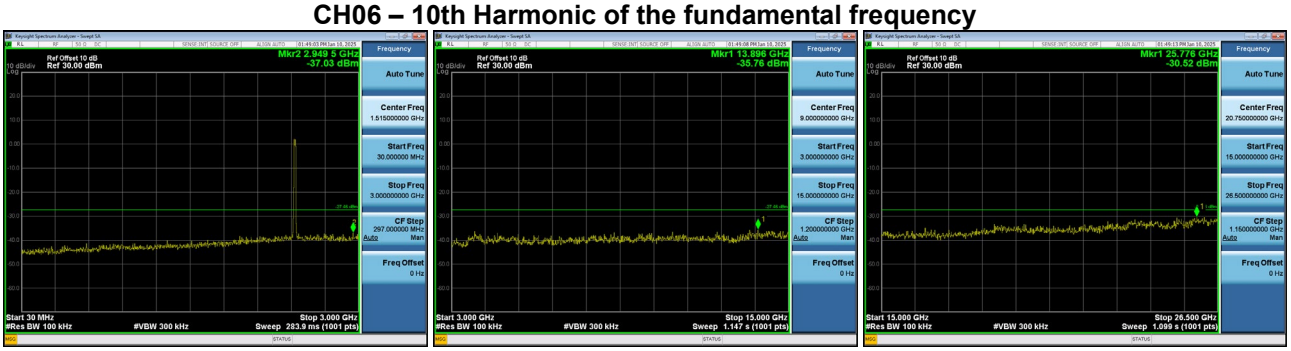
Bandedge-CH11



CH01 – 10th Harmonic of the fundamental frequency



CH06 – 10th Harmonic of the fundamental frequency



CH11 – 10th Harmonic of the fundamental frequency