

FCC Radio Test Report

FCC ID: 2BH7FC325WBV2

Report No. : BTL-FCCP-2-2410G026
Equipment : Outdoor Security Wi-Fi Camera
Model Name : Tapo C325WB
Brand Name : tapo, 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 : ANSI C63.10-2013
Procedure(s)

Date of Receipt : 2025/1/22
Date of Test : 2025/2/25~2025/3/21
Issued Date : 2025/5/27

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.

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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-2-2410G026	R00	Original Report.	2025/5/6	Invalid
BTL-FCCP-2-2410G026	R01	Modified the comments.	2025/5/22	Invalid
BTL-FCCP-2-2410G026	R02	Modified the comments.	2025/5/27	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:

1F,2F, No. 91, Ln. 298, Wengong 1st Rd., Guishan Dist., Taoyuan City 333001, Taiwan (FCC DN: TW0659)

C01 CB02 CB03
 TR02

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, 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_{cisp} 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	Ant. H / V	U,(dB)
CB02	0.03GHz ~ 1 GHz	H	1.54
	0.03GHz ~ 1 GHz	V	1.84

Test Site	Measurement Frequency Range	Ant. H / V	U,(dB)
CB03	0.009GHz ~ 0.03 GHz	-	1.42
	0.03GHz ~ 1 GHz	H	1.56
		V	1.96
	1 GHz ~ 6 GHz	H	2.36
		V	2.45
	6 GHz ~ 18 GHz	H	2.36
		V	2.31
	18 GHz ~ 40 GHz	-	2.07

C. Other Measurement:

Test Item	U
Occupied Bandwidth	0.5334
Output power	0.3669
Power Spectral Density	0.6591
Conducted Spurious emissions	0.5416
Conducted Band edges	0.5348

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	22°C, 65%	AC 120V/60Hz	Jason Yang
Radiated Emissions-30 MHz to 1000 MHz	20°C, 60%	DC 9V	Nero Hsieh
Radiated Emissions-Above 1000 MHz	19°C, 72%	DC 9V	Jason Yang
Bandwidth	23°C, 60%	DC 9V	Nero Hsieh
Maximum Output Power	23°C, 60%	DC 9V	Nero Hsieh
Conducted Spurious Emission	23°C, 60%	DC 9V	Nero Hsieh
Power Spectral Density	23°C, 60%	DC 9V	Nero Hsieh

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Outdoor Security Wi-Fi Camera
Brand Name	tp-link, tapo
Model Name	Tapo C325WB
Model Difference(s)	N/A
Software Version	2.X
Hardware Version	2.0
Power Source	1# DC Voltage supplied from AC adapter Model: T090060-2B6 2# PoE supply.
Power Rating	Input: 9V---0.6A 802.3af/at PoE:36-57V 7W
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 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 150 Mbps IEEE 802.11ax: up to 143.4 Mbps
Maximum Output Power	IEEE 802.11g: 20.02 dBm (0.1005 W)
Test Model	Tapo C325WB

Note:

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

2. Channel List:

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

3. Antenna Specification:

Ant.	Manufacturer	P/N	Antenna Type	Connector	Gain (dBi)
1	TP-Link Systems Inc.	3101503989	Dipole	N/A	0.5
2	TP-Link Systems Inc.	3101503989	Dipole	N/A	0.5

Note:

- (1) 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) Smart antenna system with two transmit/receive chains, but operating in a mode where only one transmit/receive chain is used.

2.2 DESCRIPTION OF TEST MODES

Test Items	Test mode	Channel	Note
AC power line conducted emissions	Normal	-	-
Transmitter Radiated Emissions (below 1GHz)	IEEE 802.11g	11	-
	IEEE 802.11b		
	IEEE 802.11g		
	IEEE 802.11n(HT20)		
Transmitter Radiated Emissions (above 1GHz)	IEEE 802.11ax(HE20)	01/11	Bandedge
	IEEE 802.11b		
	IEEE 802.11g		
	IEEE 802.11n(HT20)		
	IEEE 802.11ax(HE20)		
Transmitter Radiated Emissions (above 18GHz)	IEEE 802.11g	11	-
	IEEE 802.11b		
	IEEE 802.11g		
Bandwidth & Output Power & Power Spectral Density & Conducted Spurious Emission	IEEE 802.11n (HT20)	01/06/11	
	IEEE 802.11ax(HE20)		-

NOTE:

- (1) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (2) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX G Mode Channel 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.
- (5) For radiated emission below 1GHz test, both AC Adapter supplied and PoE supplied had been tested, but only the worst case (AC Adapter supplied) is recorded.
- (6) IEEE 802.11ax mode only supports full RU, so only the full RU is evaluated and measured inside report.
- (7) EUT Ant. 1 and Ant.2 only have different directionality, and the links between antenna connection modules are the same. Both Ant. 1 and Ant.2 had been tested, but the data of Ant. 1 were the worst case, so only the data of Ant.1 had been recorded.

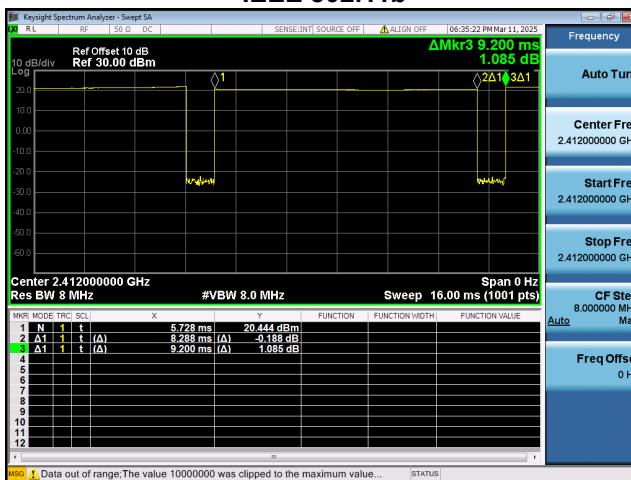
2.3 PARAMETERS OF TEST SOFTWARE

Test Software Version	AltobeamWLANFacility_V1.0.19		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	19	19	19
IEEE 802.11g	19	19	19
IEEE 802.11n(HT20)	19	19	19
IEEE 802.11ax(HE20)	19	19	19

2.4 DUTY CYCLE

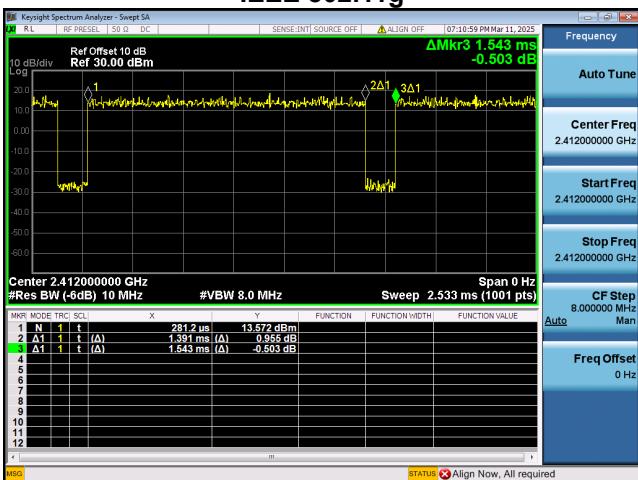
If duty cycle is $\geq 98\%$, duty factor is not required.
 If duty cycle is $< 98\%$, duty factor shall be considered.
 The output power = measured power + duty factor.

IEEE 802.11b



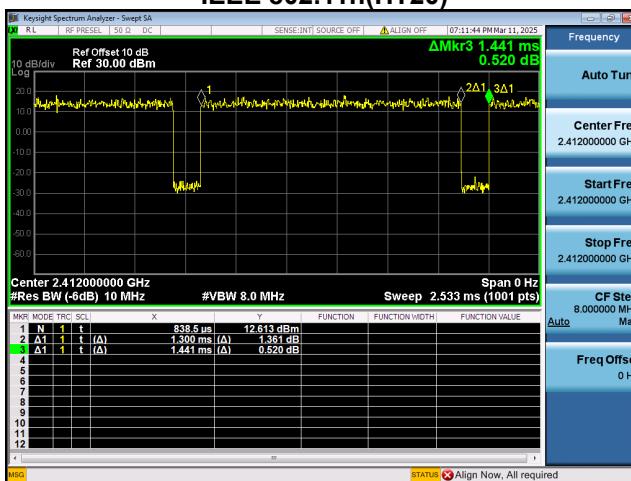
Duty cycle = $8.288 \text{ ms} / 9.200 \text{ ms} = 90.09\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.45$

IEEE 802.11g



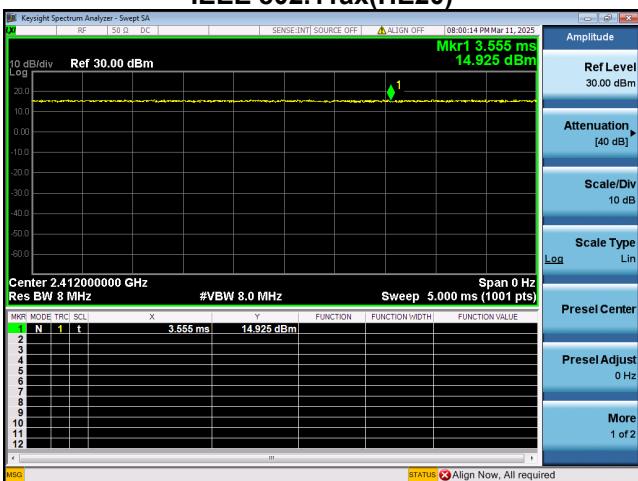
Duty cycle = $1.391 \text{ ms} / 1.543 \text{ ms} = 90.15\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.45$

IEEE 802.11n(HT20)



Duty cycle = $1.300 \text{ ms} / 1.441 \text{ ms} = 90.16\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.45$

IEEE 802.11ax(HE20)



Duty cycle = $0.000 \text{ ms} / 0.000 \text{ ms} = 0.00\%$
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.00$

NOTE:

For IEEE 802.11b:

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

For IEEE 802.11g:

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

For IEEE 802.11n(HT20):

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

For IEEE 802.11n(HT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz.

For IEEE 802.11ax(HE20):

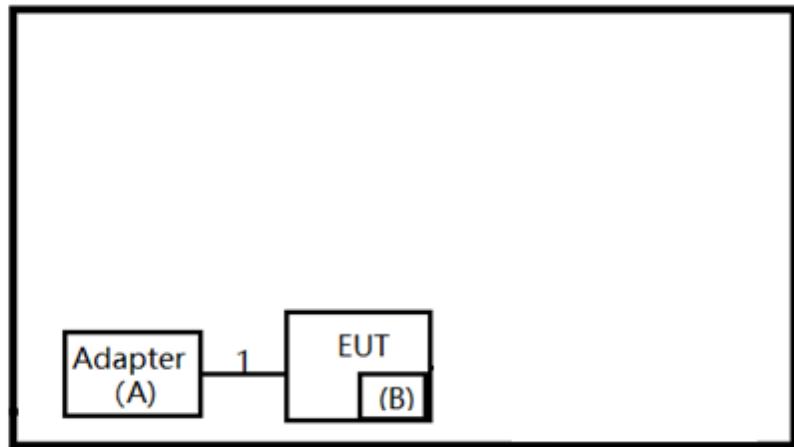
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz.

For IEEE 802.11ax(HE40):

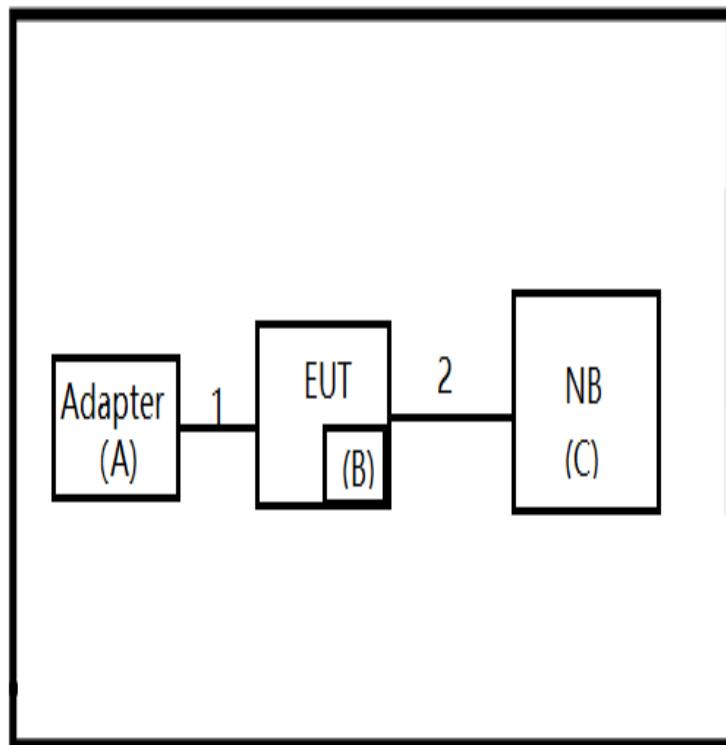
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz.

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Emissions(below 1GHz) & AC power line conducted emissions



Radiated Emissions(above 1GHz)



2.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	Adapter	tp-link	T090060-2B6	N/A	Supplied by test requester
B	SD Card	SanDisk	ZN6MA	N/A	Furnished by test lab
C	NB	dynabook	TECRA A40-J	N/A	Furnished by test lab

Item	Cable Type	Shielded	Ferrite Core	Length	Remarks
1	DC Cable	NO	NO	1.2m	Supplied by test requester
2	Test Fixture Cable	NO	NO	0.8m	Furnished by test lab

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) 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 (dB μ V)		Correct Factor (dB)		Measurement Value (dB μ V)
38.22	+	3.45	=	41.67

Measurement Value (dB μ V)		Limit Value (dB μ V)		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.

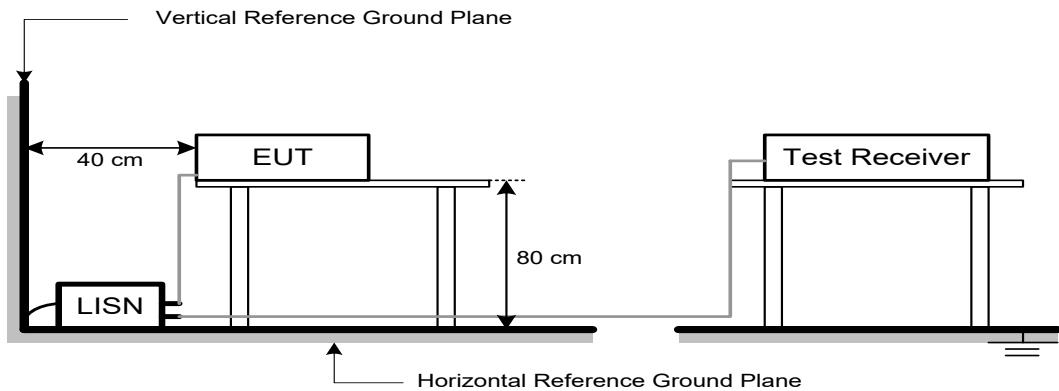
The following table is the setting of the receiver:

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

NOTE:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dB μ V/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)

Margin Level = Measurement Value - Limit Value

Calculation example:

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

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

(5)

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

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

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

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

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

d_{measure}: Harmonic Actual test distance.

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

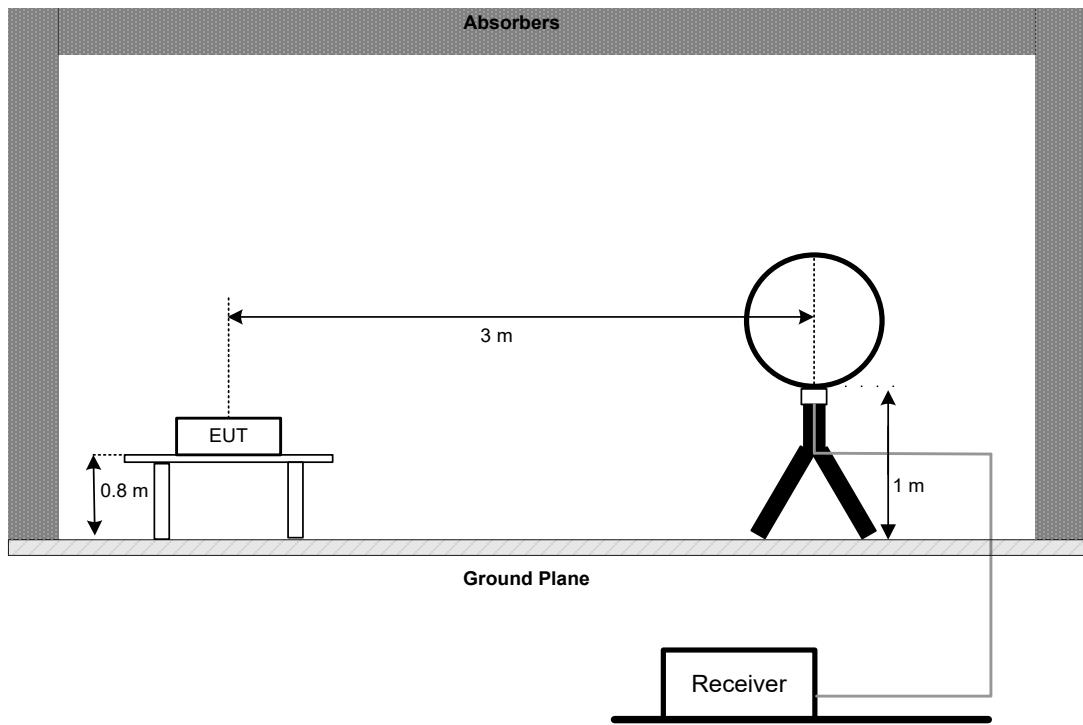
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

4.3 DEVIATION FROM TEST STANDARD

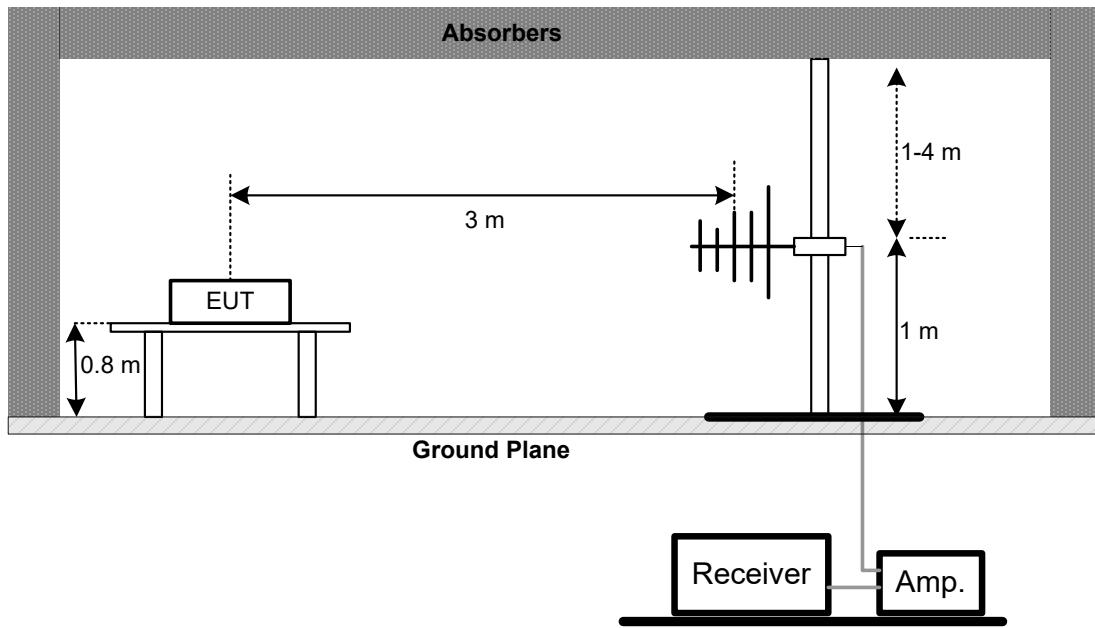
No deviation.

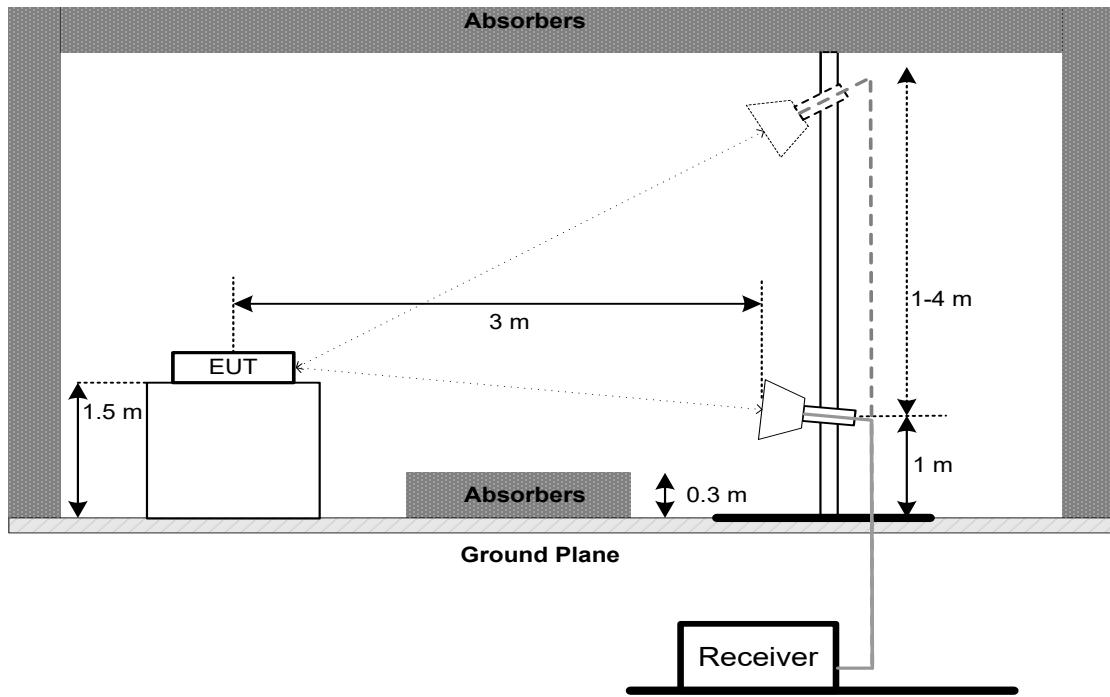
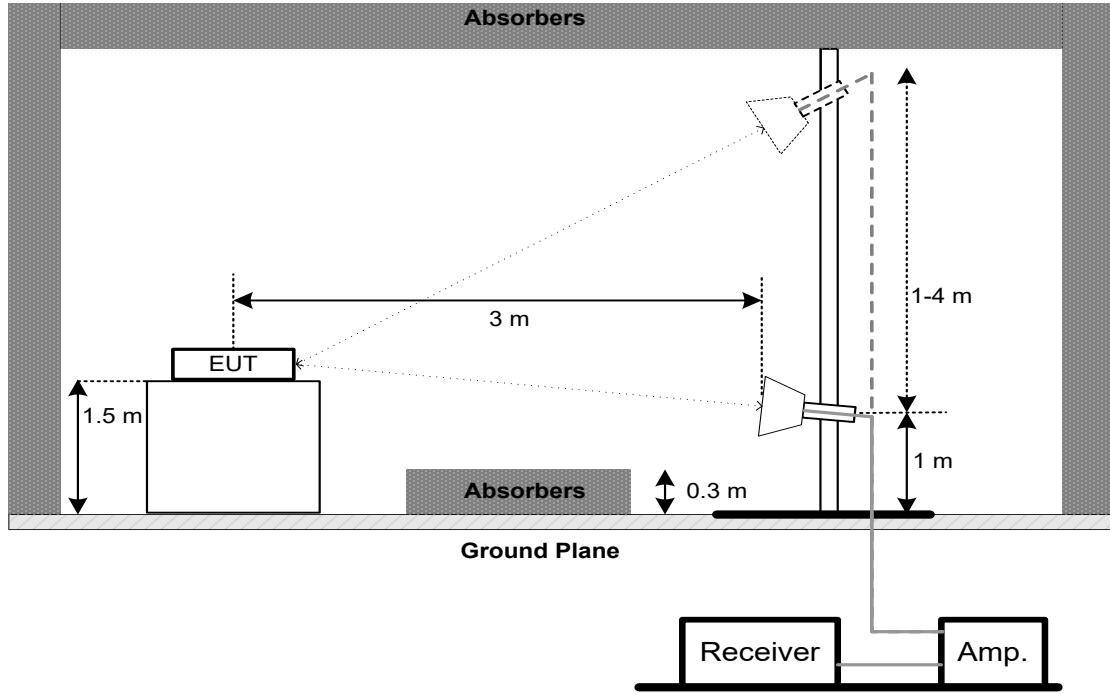
4.4 TEST SETUP

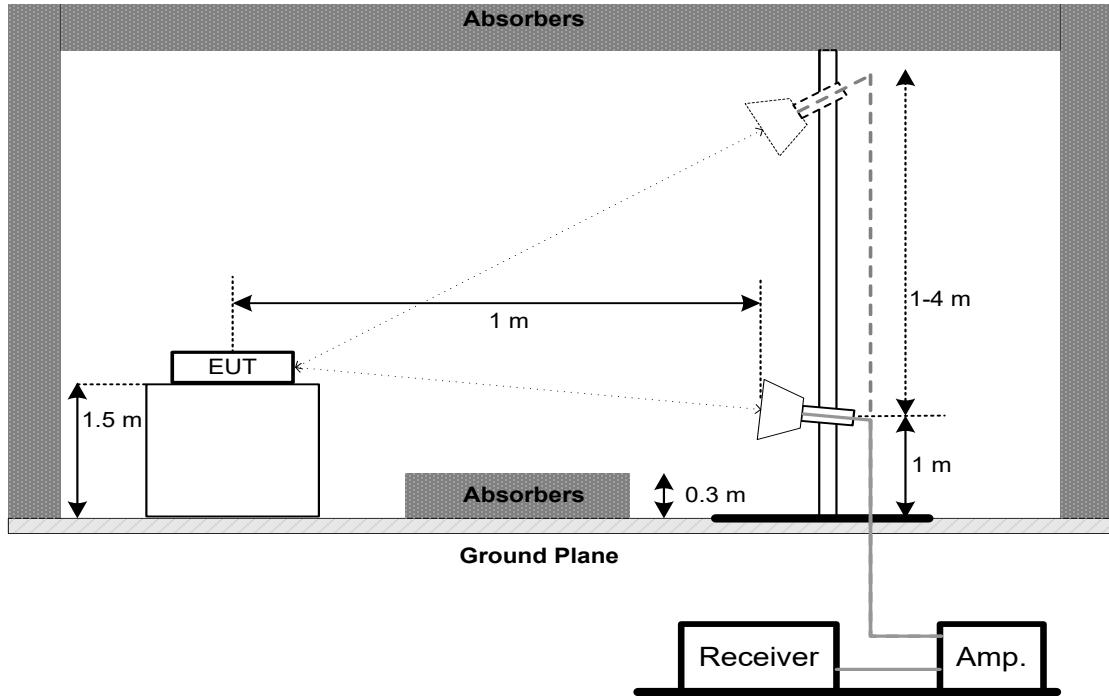
9 kHz to 30 MHz



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

- 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 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

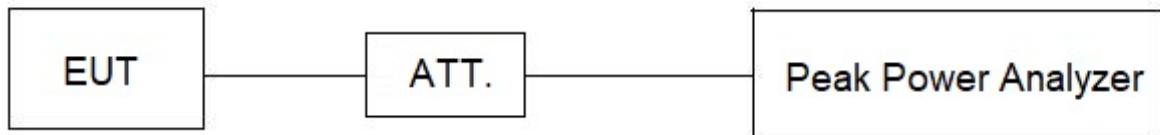
6.2 TEST PROCEDURE

- 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

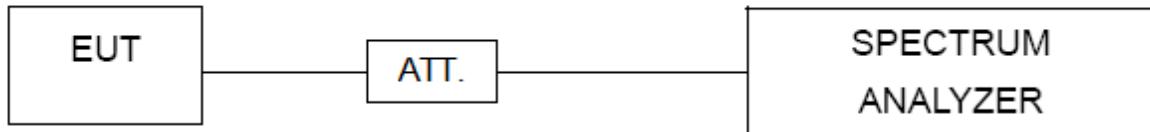
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

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 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
8	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	KV2D01A18ES	2024/7/4	2025/7/3
2	Pre-Amplifier	EMCI	EMC118A45SE	980960	2024/7/23	2025/7/22
3	Test Cable	EMCI	EMC104-SM-SM-6000	230539	2024/7/23	2025/7/22
4	Test Cable	EMCI	EMC104-SM-SM-2500	230542	2024/7/23	2025/7/22
5	Test Cable	EMCI	EMC104-SM-SN-1000	230543	2024/7/23	2025/7/22
6	EXA Signal Analyzer	Keysight	N9010A	MY52220990	2024/10/4	2025/10/3
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-35 M-1000	230547	2024/8/10	2025/8/9
4	Test Cable	EMCI	EMC104-35M-35 M-4700	230548	2024/8/10	2025/8/9
5	EXA Signal Analyzer	Keysight	N9010A	MY52220990	2024/10/4	2025/10/3
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	MY50018009	2024/8/30	2025/8/29

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

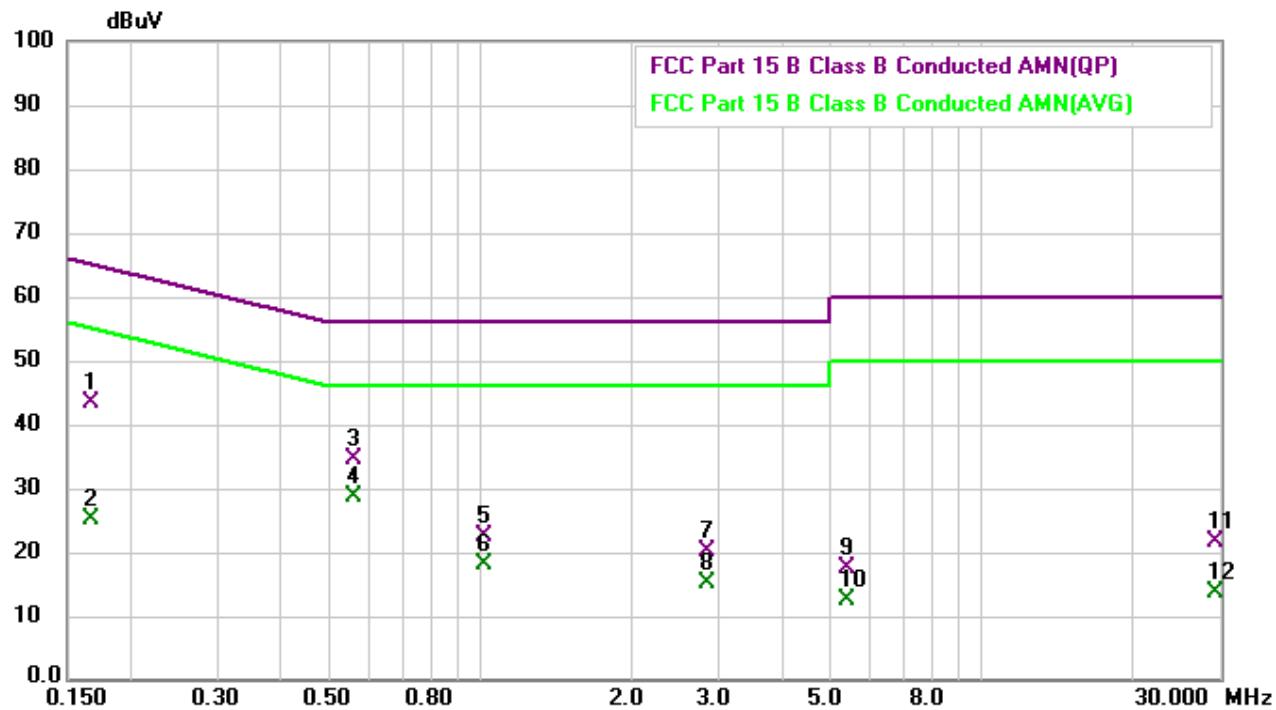
Please refer to document Appendix No.: TP-2410G026-1 (APPENDIX-TEST PHOTOS).

11. EUT PHOTOS

Please refer to document Appendix No.: EP-2410G026-1 (APPENDIX-EUT PHOTOS).

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	Normal	Tested Date	2025/3/11
Test Frequency	-	Phase	Line

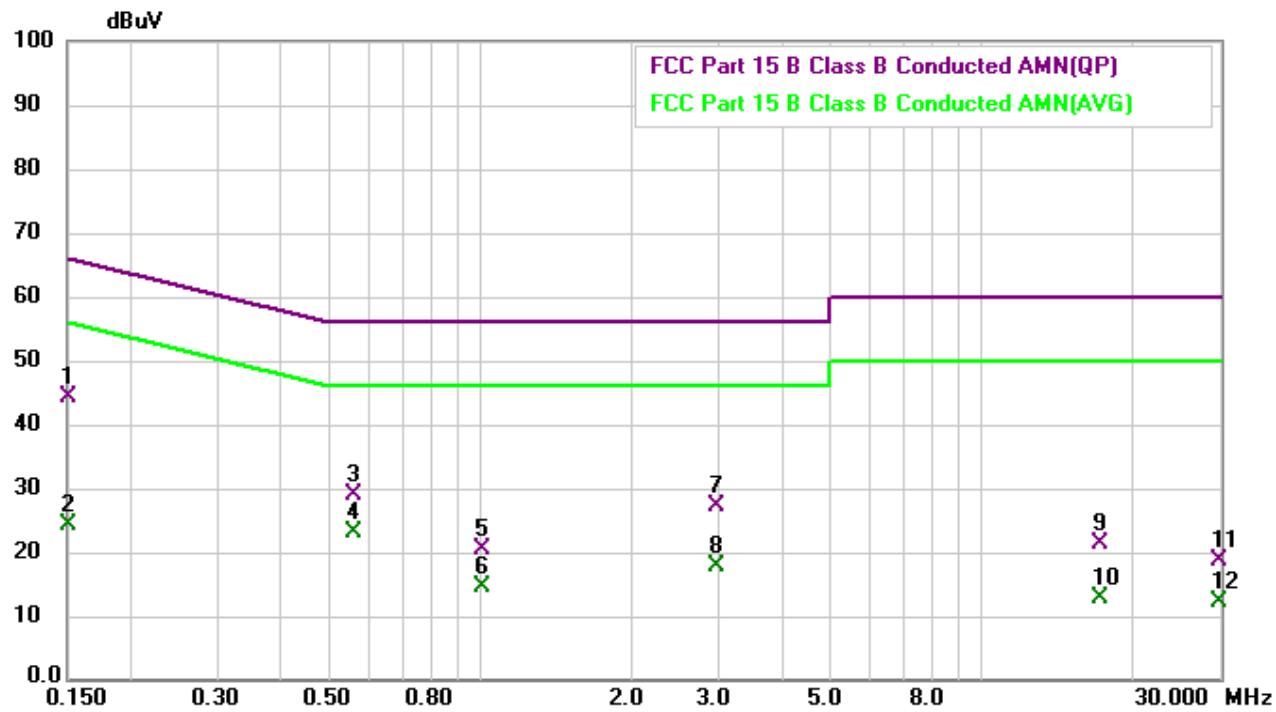


No.	Freq.	Reading	Factor	Meas. Level	Limit	Margin	Detector	Comment
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)		
1	0.167476	33.70	9.62	43.32	65.08	-21.76	QP	
2	0.167476	15.50	9.62	25.12	55.08	-29.96	AVG	
3	0.559500	24.80	9.64	34.44	56.00	-21.56	QP	
4	0.559500	19.00	9.64	28.64	46.00	-17.36	AVG	
5	1.016250	12.80	9.66	22.46	56.00	-33.54	QP	
6	1.016250	8.40	9.66	18.06	46.00	-27.94	AVG	
7	2.850000	10.60	9.69	20.29	56.00	-35.71	QP	
8	2.850000	5.40	9.69	15.09	46.00	-30.91	AVG	
9	5.392500	7.90	9.74	17.64	60.00	-42.36	QP	
10	5.392500	2.90	9.74	12.64	50.00	-37.36	AVG	
11	29.287500	11.90	9.75	21.65	60.00	-38.35	QP	
12	29.287500	4.00	9.75	13.75	50.00	-36.25	AVG	

REMARKS:

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

Test Mode	Normal	Tested Date	2025/3/11
Test Frequency	-	Phase	Neutral



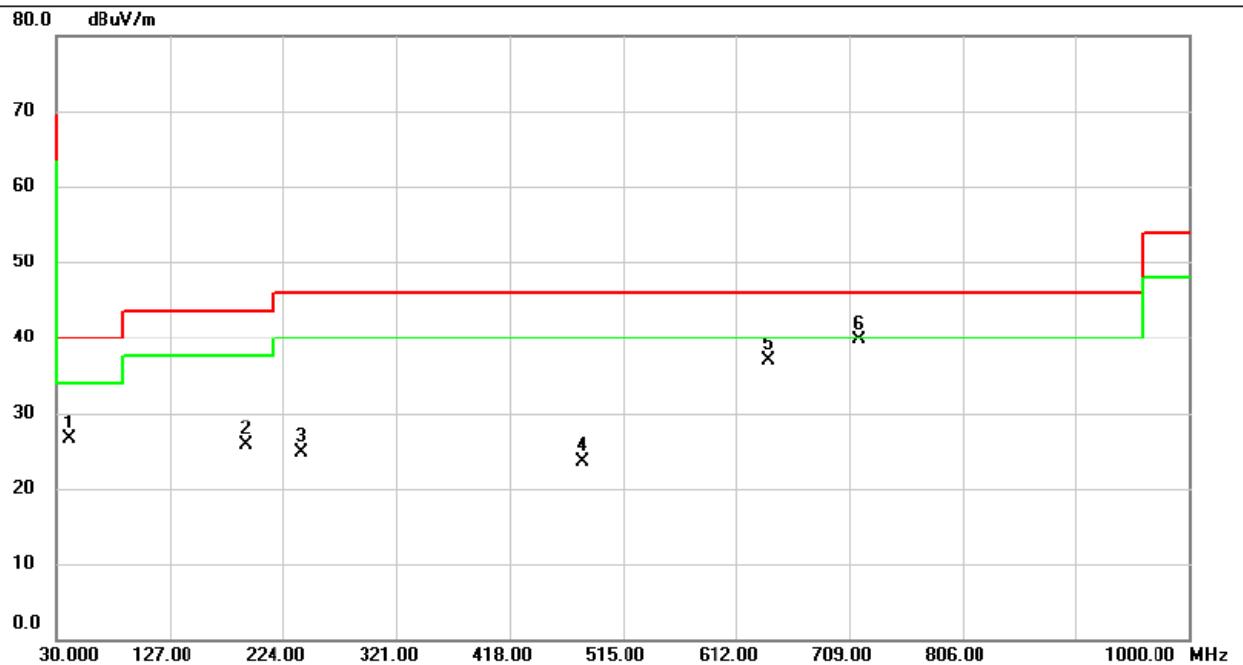
No.	Freq.	Reading	Factor	Meas. Level	Limit	Margin	Detector	Comment
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)		
1 *	0.150000	34.70	9.62	44.32	66.00	-21.68	QP	
2	0.150000	14.70	9.62	24.32	56.00	-31.68	AVG	
3	0.557250	19.30	9.64	28.94	56.00	-27.06	QP	
4	0.557250	13.50	9.64	23.14	46.00	-22.86	AVG	
5	1.007250	10.80	9.66	20.46	56.00	-35.54	QP	
6	1.007250	5.00	9.66	14.66	46.00	-31.34	AVG	
7	2.971500	17.60	9.69	27.29	56.00	-28.71	QP	
8	2.971500	8.00	9.69	17.69	46.00	-28.31	AVG	
9	17.283750	11.40	9.80	21.20	60.00	-38.80	QP	
10	17.283750	3.10	9.80	12.90	50.00	-37.10	AVG	
11	29.865750	8.80	9.74	18.54	60.00	-41.46	QP	
12	29.865750	2.50	9.74	12.24	50.00	-37.76	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 G Mode	Test Date	2025/3/21
Test Frequency	2462 MHz	Polarization	Vertical

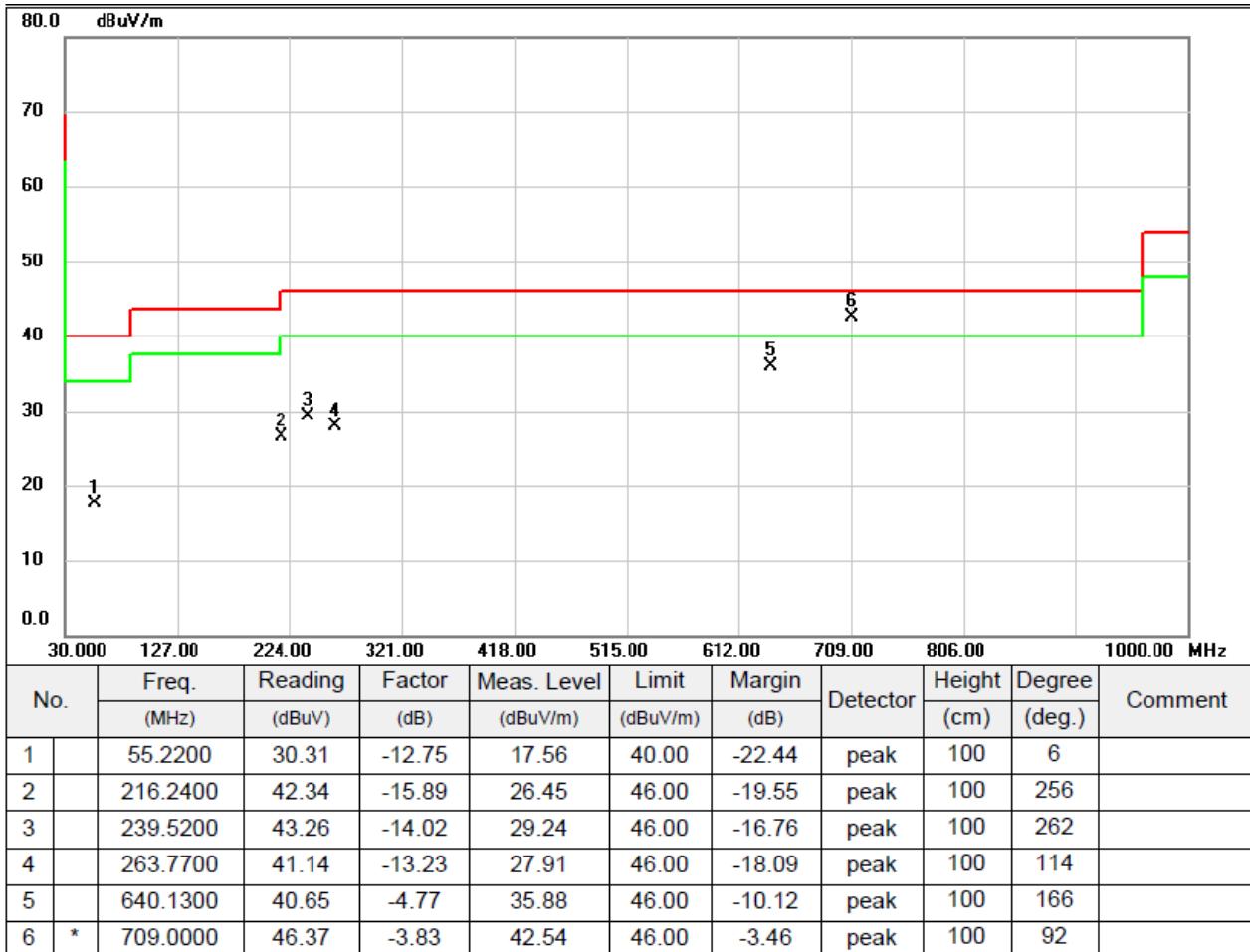


No.	Freq.	Reading	Factor	Meas. Level	Limit	Margin	Detector	Height (cm)	Degree (deg.)	Comment	
	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)					
1	40.6700	39.64	-13.19	26.45	40.00	-13.55	peak	100	204		
2	191.9900	40.96	-15.33	25.63	43.50	-17.87	peak	100	344		
3	240.4900	38.56	-13.94	24.62	46.00	-21.38	peak	100	275		
4	480.0800	31.24	-7.75	23.49	46.00	-22.51	peak	100	281		
5	640.1300	41.59	-4.77	36.82	46.00	-9.18	peak	100	110		
6	*	716.7600	43.44	-3.64	39.80	46.00	-6.20	peak	100	176	

REMARKS:

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

Test Mode	TX G Mode	Test Date	2025/3/21
Test Frequency	2462 MHz	Polarization	Horizontal

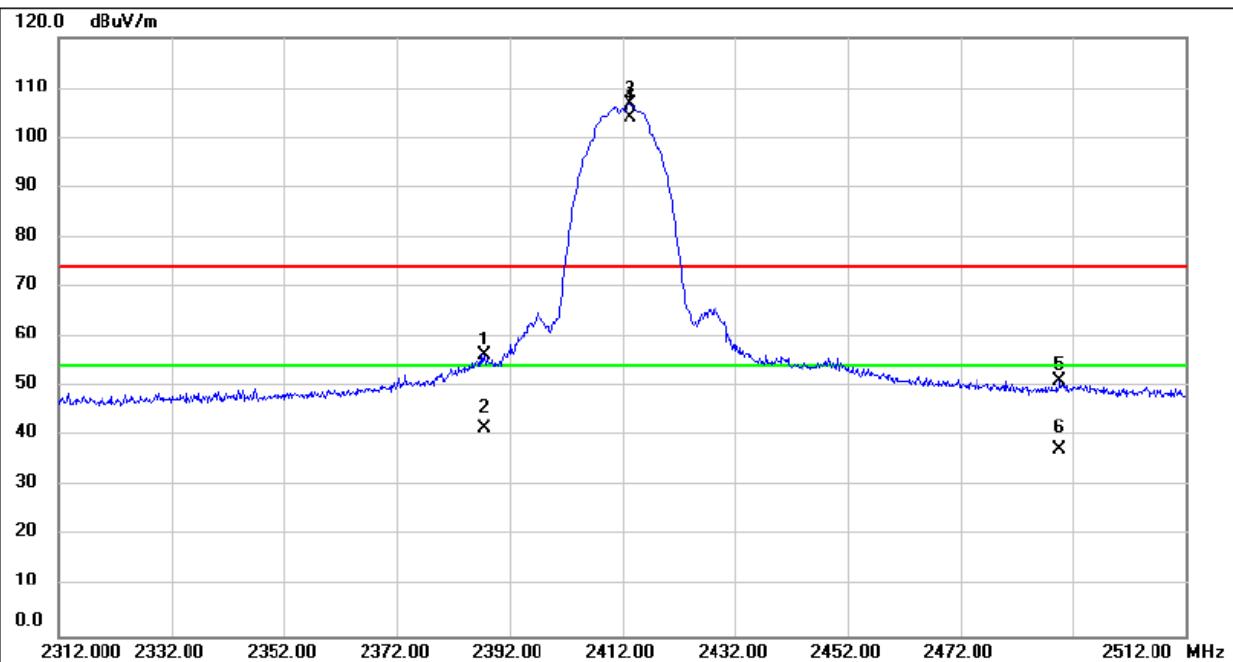


REMARKS:

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

APPENDIX C - RADIATED EMISSION- ABOVE 1000 MHZ

Test Mode	TX B Mode	Test Date	2025/3/15
Test Frequency	2412 MHz	Polarization	Horizontal

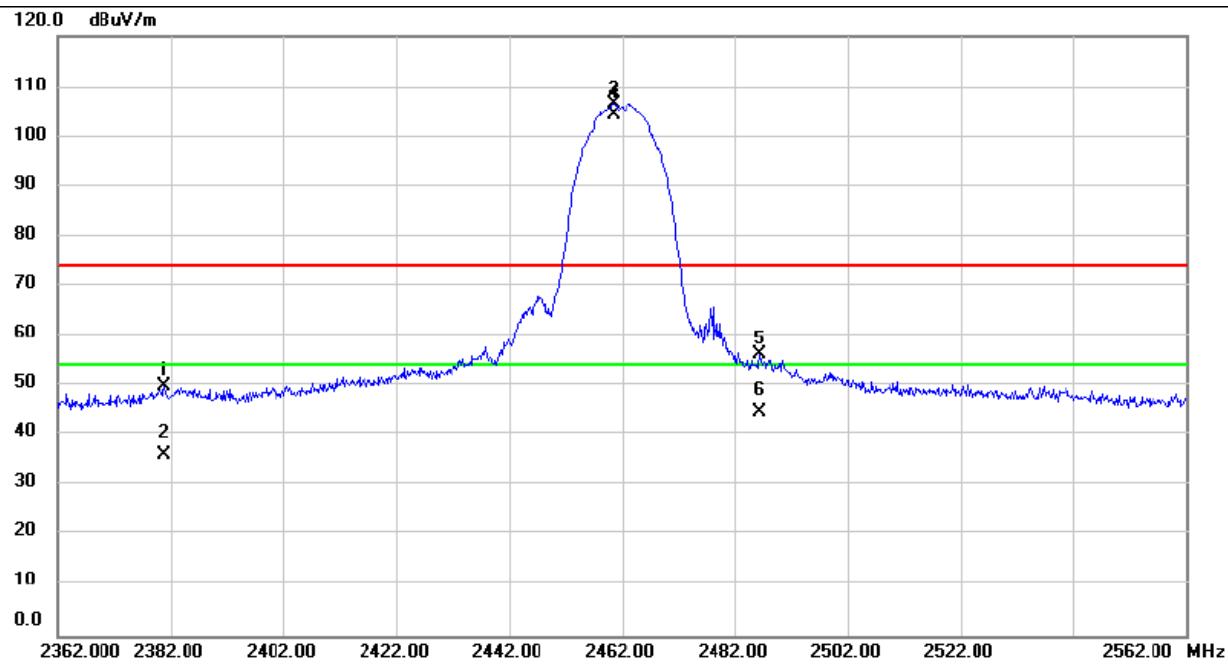


No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1	2387.600	53.53	2.80	56.33	74.00	-17.67	peak			
2	2387.600	38.87	2.80	41.67	54.00	-12.33	AVG			
3	X 2413.600	103.81	2.82	106.63	74.00	32.63	peak			
4	* 2413.600	101.26	2.82	104.08	54.00	50.08	AVG			
5	2489.600	48.22	2.90	51.12	74.00	-22.88	peak			
6	2489.600	34.48	2.90	37.38	54.00	-16.62	AVG			

REMARKS:

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

Test Mode	TX B Mode	Test Date	2025/3/15
Test Frequency	2462 MHz	Polarization	Horizontal

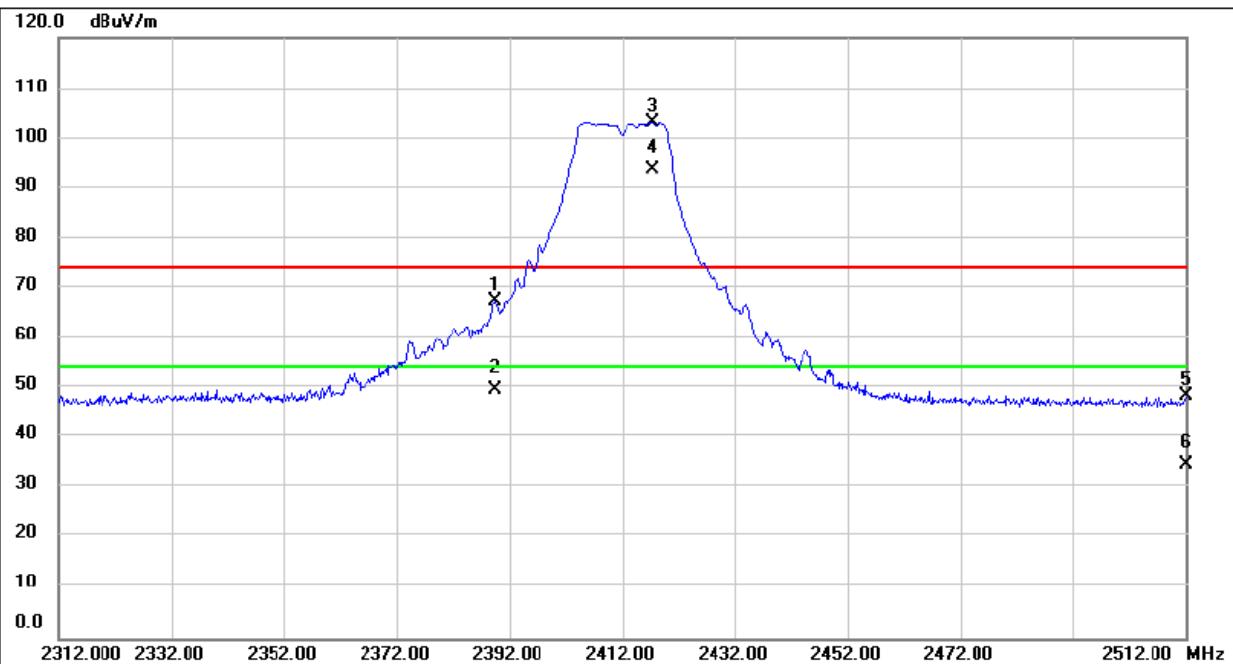


No.	Freq.	Reading	Factor	Meas. Level	Limit	Margin	Detector	Height (cm)	Degree (deg.)	Comment
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)				
1	2380.800	47.21	2.79	50.00	74.00	-24.00	peak			
2	2380.800	33.46	2.79	36.25	54.00	-17.75	AVG			
3	X 2460.600	103.56	2.87	106.43	74.00	32.43	peak			
4	* 2460.600	101.39	2.87	104.26	54.00	50.26	AVG			
5	2486.400	53.32	2.90	56.22	74.00	-17.78	peak			
6	2486.400	42.07	2.90	44.97	54.00	-9.03	AVG			

REMARKS:

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

Test Mode	TX G Mode	Test Date	2025/3/15
Test Frequency	2412 MHz	Polarization	Horizontal

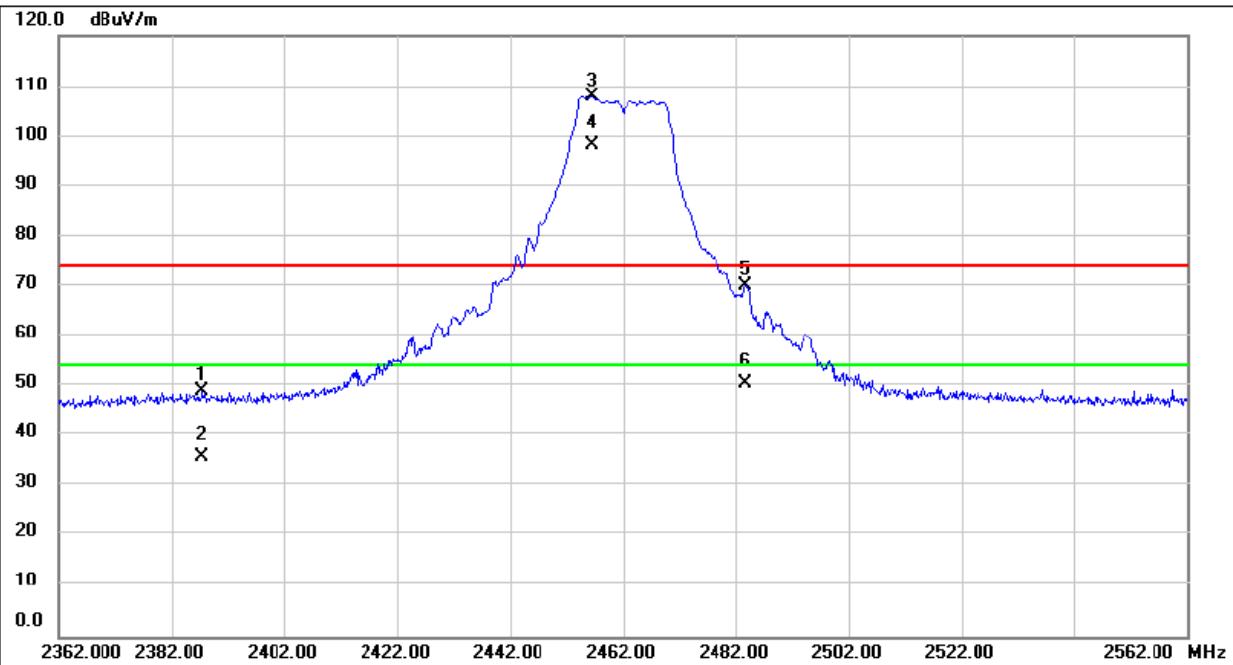


No.	Freq.	Reading	Factor	Meas. Level	Limit	Margin	Detector	Height (cm)	Degree (deg.)	Comment
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)				
1	2389.400	64.41	2.80	67.21	74.00	-6.79	peak			
2	2389.400	46.84	2.80	49.64	54.00	-4.36	AVG			
3	X 2417.400	100.35	2.83	103.18	74.00	29.18	peak			
4	* 2417.400	90.80	2.83	93.63	54.00	39.63	AVG			
5	2512.000	45.39	2.95	48.34	74.00	-25.66	peak			
6	2512.000	31.82	2.95	34.77	54.00	-19.23	AVG			

REMARKS:

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

Test Mode	TX G Mode	Test Date	2025/3/15
Test Frequency	2462 MHz	Polarization	Horizontal

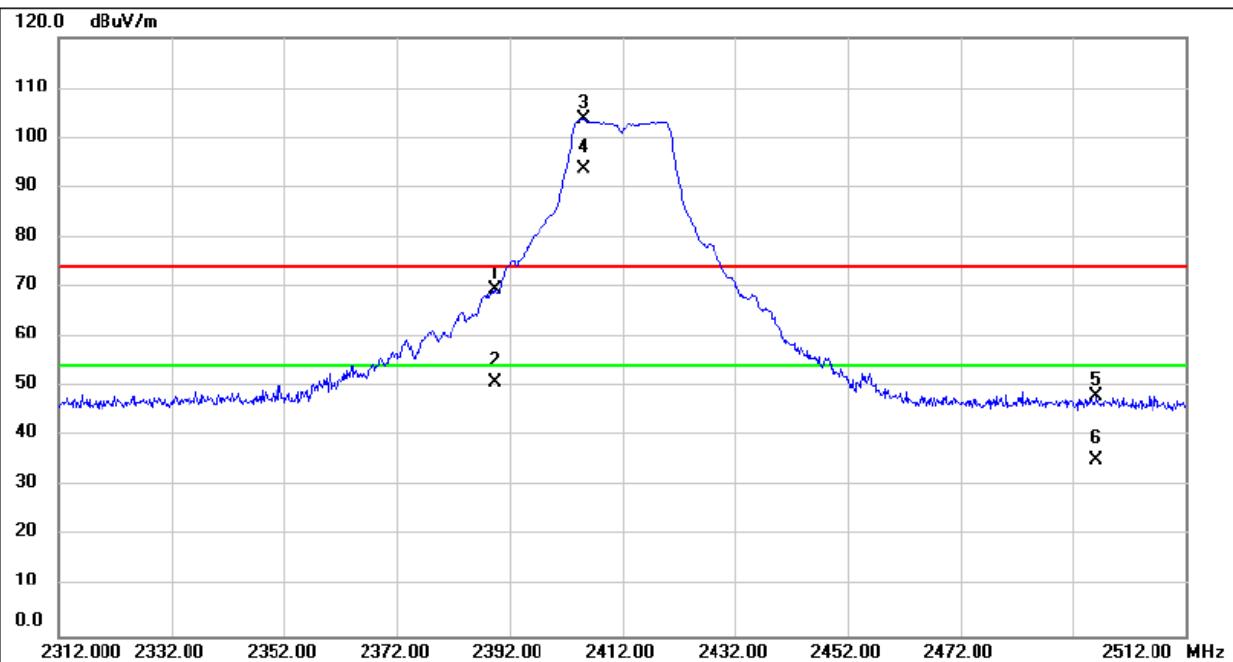


No.	Freq.	Reading	Factor	Meas. Level	Limit	Margin	Detector	Height (cm)	Degree (deg.)	Comment
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)				
1	2387.600	46.12	2.80	48.92	74.00	-25.08	peak			
2	2387.600	32.97	2.80	35.77	54.00	-18.23	AVG			
3	X 2456.400	105.01	2.87	107.88	74.00	33.88	peak			
4	* 2456.400	95.47	2.87	98.34	54.00	44.34	AVG			
5	2483.800	67.29	2.89	70.18	74.00	-3.82	peak			
6	2483.800	47.52	2.89	50.41	54.00	-3.59	AVG			

REMARKS:

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

Test Mode	TX N(HT20) Mode	Test Date	2025/3/15
Test Frequency	2412 MHz	Polarization	Horizontal

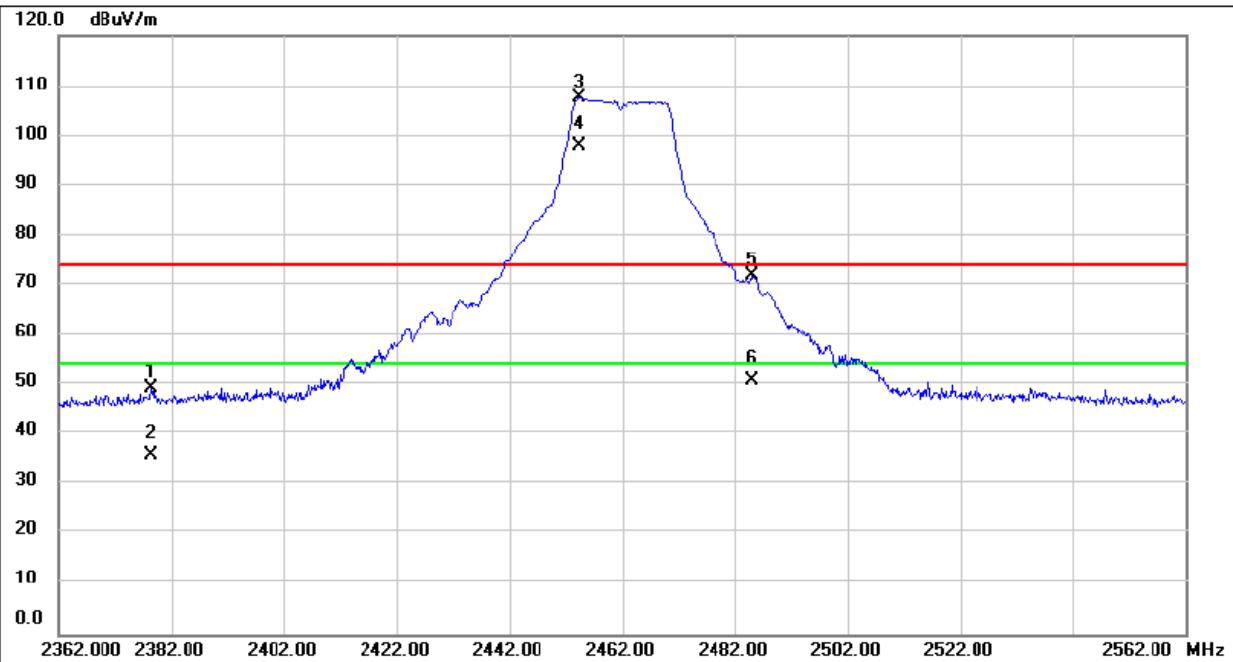


No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
1	2389.400	66.71	2.80	69.51	74.00	-4.49	peak			
2	2389.400	48.06	2.80	50.86	54.00	-3.14	AVG			
3	X 2405.200	100.91	2.82	103.73	74.00	29.73	peak			
4	* 2405.200	90.84	2.82	93.66	54.00	39.66	AVG			
5	2496.200	45.28	2.91	48.19	74.00	-25.81	peak			
6	2496.200	32.29	2.91	35.20	54.00	-18.80	AVG			

REMARKS:

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

Test Mode	TX N(HT20) Mode	Test Date	2025/3/15
Test Frequency	2462 MHz	Polarization	Horizontal

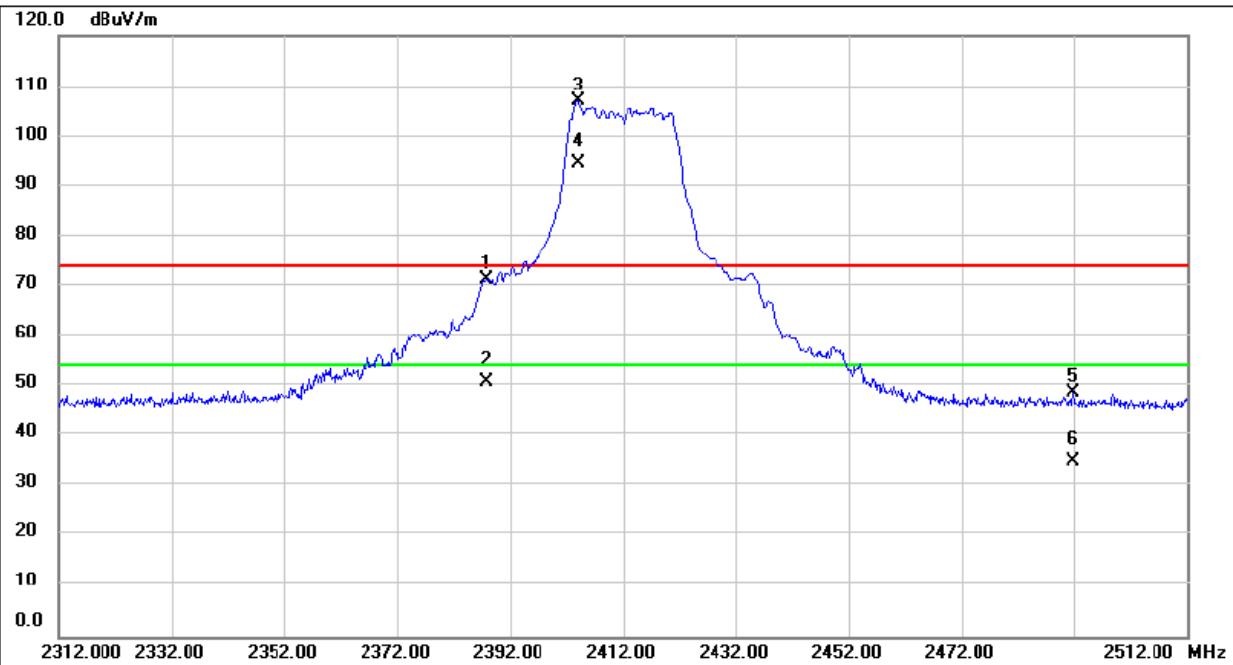


No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
								Height (cm)	Degree (deg.)	
1	2378.400	46.58	2.79	49.37	74.00	-24.63	peak			
2	2378.400	32.98	2.79	35.77	54.00	-18.23	AVG			
3	X 2454.400	104.66	2.86	107.52	74.00	33.52	peak			
4	* 2454.400	95.01	2.86	97.87	54.00	43.87	AVG			
5	2485.200	68.83	2.90	71.73	74.00	-2.27	peak			
6	2485.200	48.00	2.90	50.90	54.00	-3.10	AVG			

REMARKS:

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

Test Mode	TX AX(HE20) Mode	Test Date	2025/3/15
Test Frequency	2412 MHz	Polarization	Horizontal

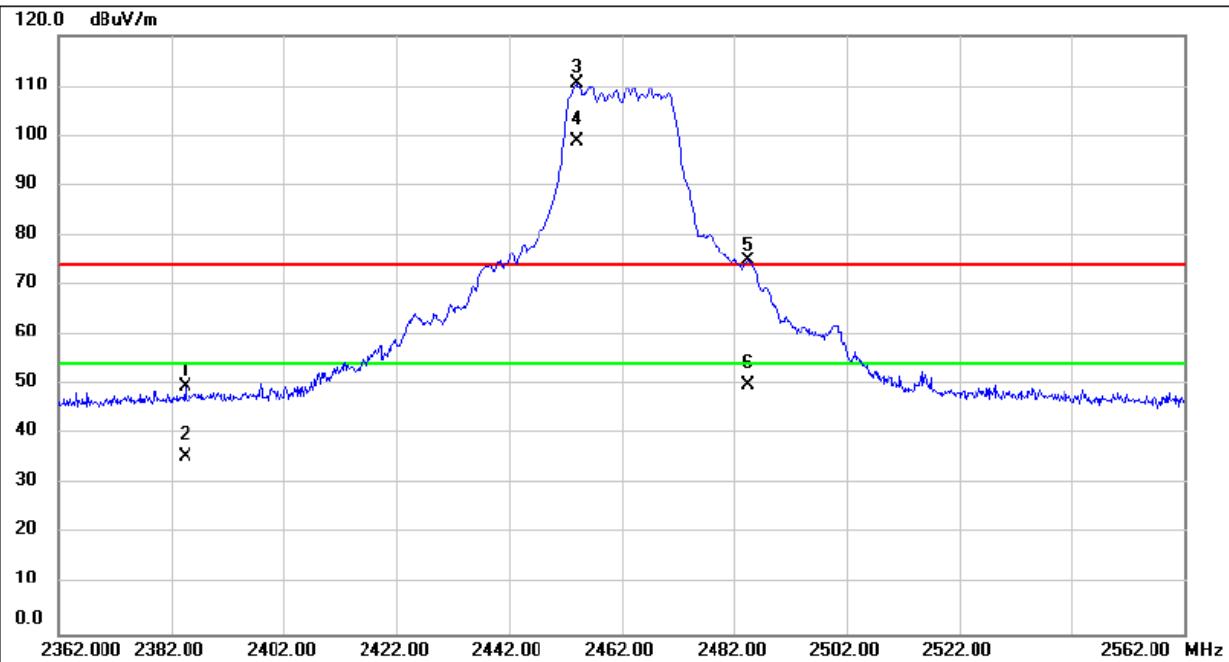


No.	Freq.	Reading	Factor	Meas. Level	Limit	Margin	Detector	Height (cm)	Degree (deg.)	Comment
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)				
1	2387.800	68.48	2.80	71.28	74.00	-2.72	peak			
2	2387.800	48.04	2.80	50.84	54.00	-3.16	AVG			
3	X 2404.000	104.11	2.81	106.92	74.00	32.92	peak			
4	* 2404.000	91.88	2.81	94.69	54.00	40.69	AVG			
5	2491.800	45.77	2.90	48.67	74.00	-25.33	peak			
6	2491.800	31.91	2.90	34.81	54.00	-19.19	AVG			

REMARKS:

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

Test Mode	TX AX(HE20) Mode	Test Date	2025/3/15
Test Frequency	2462 MHz	Polarization	Horizontal



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Meas. Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Comment
								(cm)	(deg.)	
1	2384.400	46.87	2.79	49.66	74.00	-24.34	peak			
2	2384.400	32.86	2.79	35.65	54.00	-18.35	AVG			
3	X 2454.000	107.73	2.86	110.59	74.00	36.59	peak			
4	* 2454.000	96.07	2.86	98.93	54.00	44.93	AVG			
5	X 2484.600	72.02	2.89	74.91	74.00	0.91	peak			
6	2484.600	47.20	2.89	50.09	54.00	-3.91	AVG			

REMARKS:

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

Test Mode	TX B Mode	Test Date	2025/3/15
Test Frequency	2412 MHz	Polarization	Vertical



REMARKS:

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

Test Mode	TX B Mode	Test Date	2025/3/15
Test Frequency	2412 MHz	Polarization	Horizontal



REMARKS:

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

Test Mode	TX B Mode	Test Date	2025/3/15
Test Frequency	2437 MHz	Polarization	Vertical



REMARKS:

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

Test Mode	TX B Mode	Test Date	2025/3/15
Test Frequency	2437 MHz	Polarization	Horizontal



REMARKS:

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

Test Mode	TX B Mode	Test Date	2025/3/15
Test Frequency	2462 MHz	Polarization	Vertical



REMARKS:

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

Test Mode	TX B Mode	Test Date	2025/3/15
Test Frequency	2462 MHz	Polarization	Horizontal



REMARKS:

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

Test Mode	TX G Mode	Test Date	2025/3/15
Test Frequency	2412 MHz	Polarization	Vertical



REMARKS:

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

Test Mode	TX G Mode	Test Date	2025/3/15
Test Frequency	2412 MHz	Polarization	Horizontal



REMARKS:

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

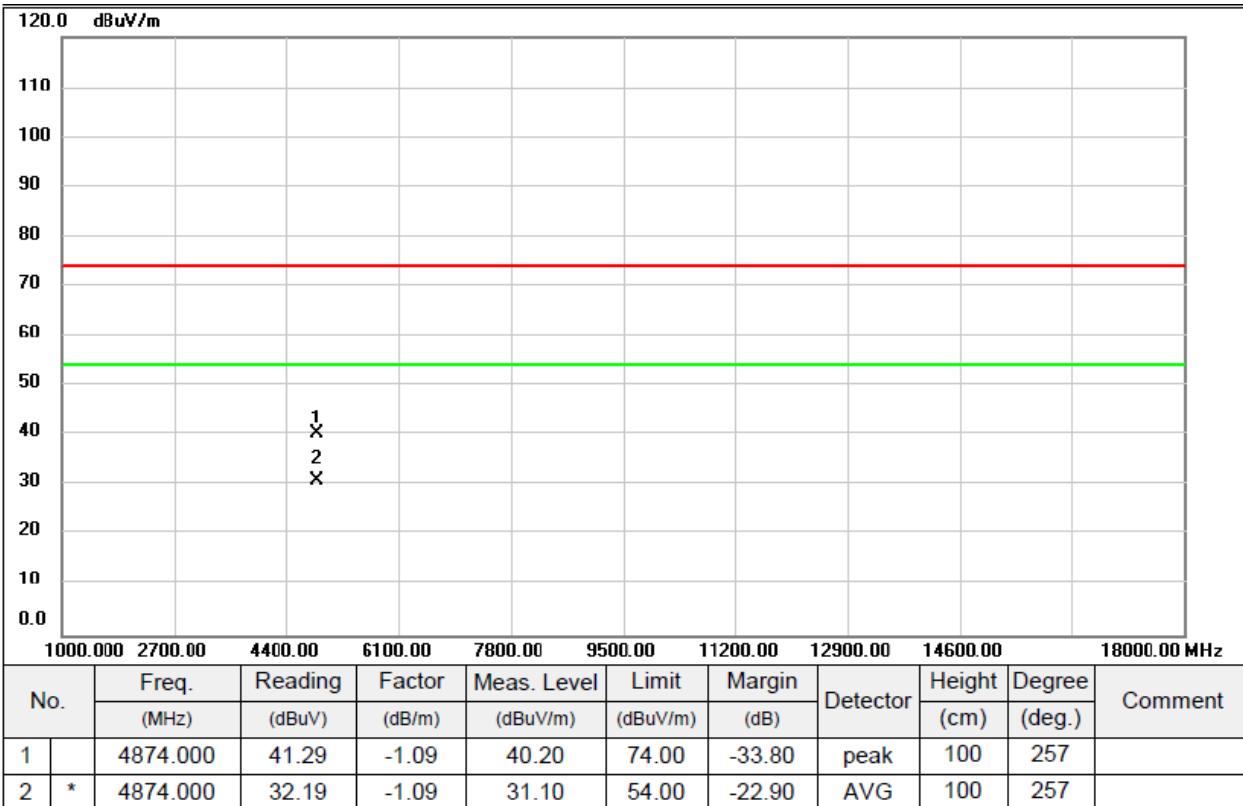
Test Mode	TX G Mode	Test Date	2025/3/15
Test Frequency	2437 MHz	Polarization	Vertical



REMARKS:

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

Test Mode	TX G Mode	Test Date	2025/3/15
Test Frequency	2437 MHz	Polarization	Horizontal



REMARKS:

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

Test Mode	TX G Mode	Test Date	2025/3/15
Test Frequency	2462 MHz	Polarization	Vertical



REMARKS:

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

Test Mode	TX G Mode	Test Date	2025/3/15
Test Frequency	2462 MHz	Polarization	Horizontal



REMARKS:

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

Test Mode	TX N(HT20) Mode	Test Date	2025/3/15
Test Frequency	2412 MHz	Polarization	Vertical



REMARKS:

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

Test Mode	TX N(HT20) Mode	Test Date	2025/3/15
Test Frequency	2412 MHz	Polarization	Horizontal



REMARKS:

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

Test Mode	TX N(HT20) Mode	Test Date	2025/3/15
Test Frequency	2437 MHz	Polarization	Vertical



REMARKS:

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

Test Mode	TX N(HT20) Mode	Test Date	2025/3/15
Test Frequency	2437 MHz	Polarization	Horizontal



REMARKS:

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

Test Mode	TX N(HT20) Mode	Test Date	2025/3/15
Test Frequency	2462 MHz	Polarization	Vertical



REMARKS:

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

Test Mode	TX N(HT20) Mode	Test Date	2025/3/15
Test Frequency	2462 MHz	Polarization	Horizontal



REMARKS:

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

Test Mode	TX AX(HE20) Mode	Test Date	2025/3/15
Test Frequency	2412 MHz	Polarization	Vertical



REMARKS:

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

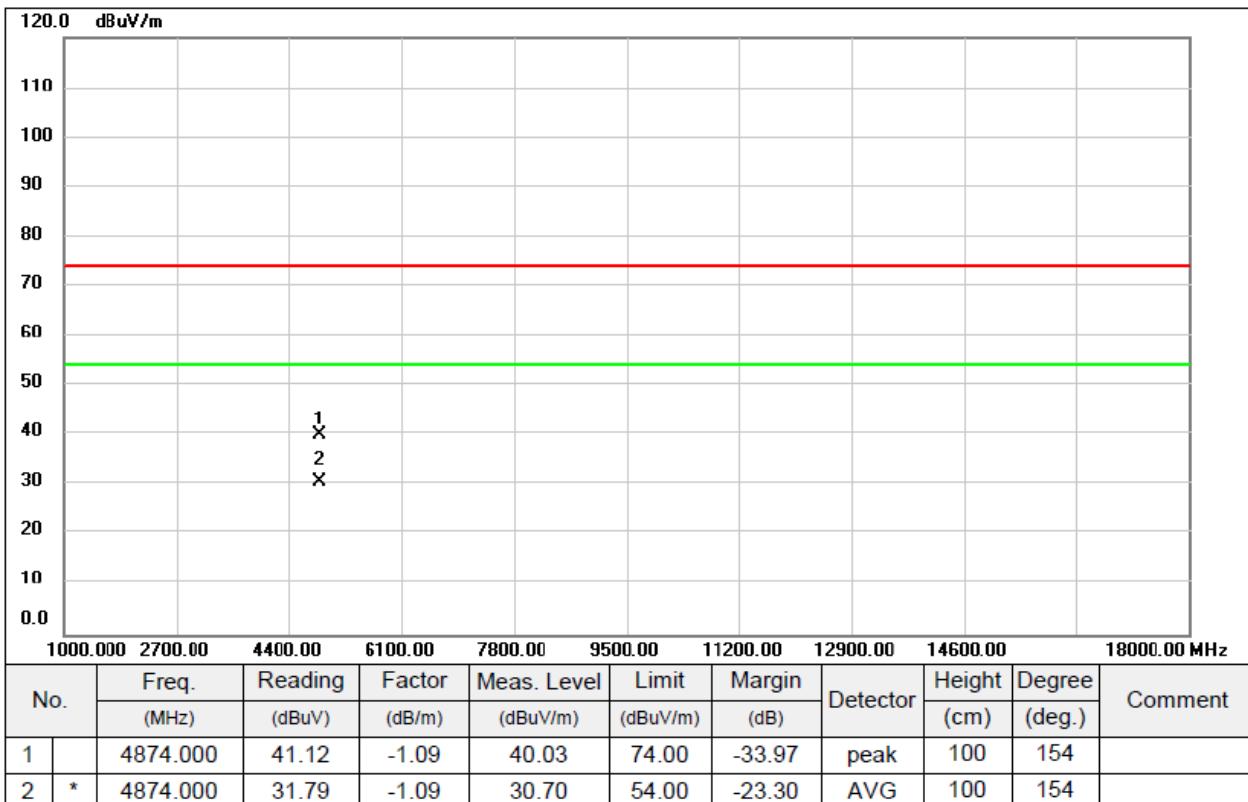
Test Mode	TX AX(HE20) Mode	Test Date	2025/3/15
Test Frequency	2412 MHz	Polarization	Horizontal



REMARKS:

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

Test Mode	TX AX(HE20) Mode	Test Date	2025/3/15
Test Frequency	2437 MHz	Polarization	Vertical



REMARKS:

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

Test Mode	TX AX(HE20) Mode	Test Date	2025/3/15
Test Frequency	2437 MHz	Polarization	Horizontal



REMARKS:

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

Test Mode	TX AX(HE20) Mode	Test Date	2025/3/15
Test Frequency	2462 MHz	Polarization	Vertical



REMARKS:

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

Test Mode	TX AX(HE20) Mode	Test Date	2025/3/15
Test Frequency	2462 MHz	Polarization	Horizontal



REMARKS:

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

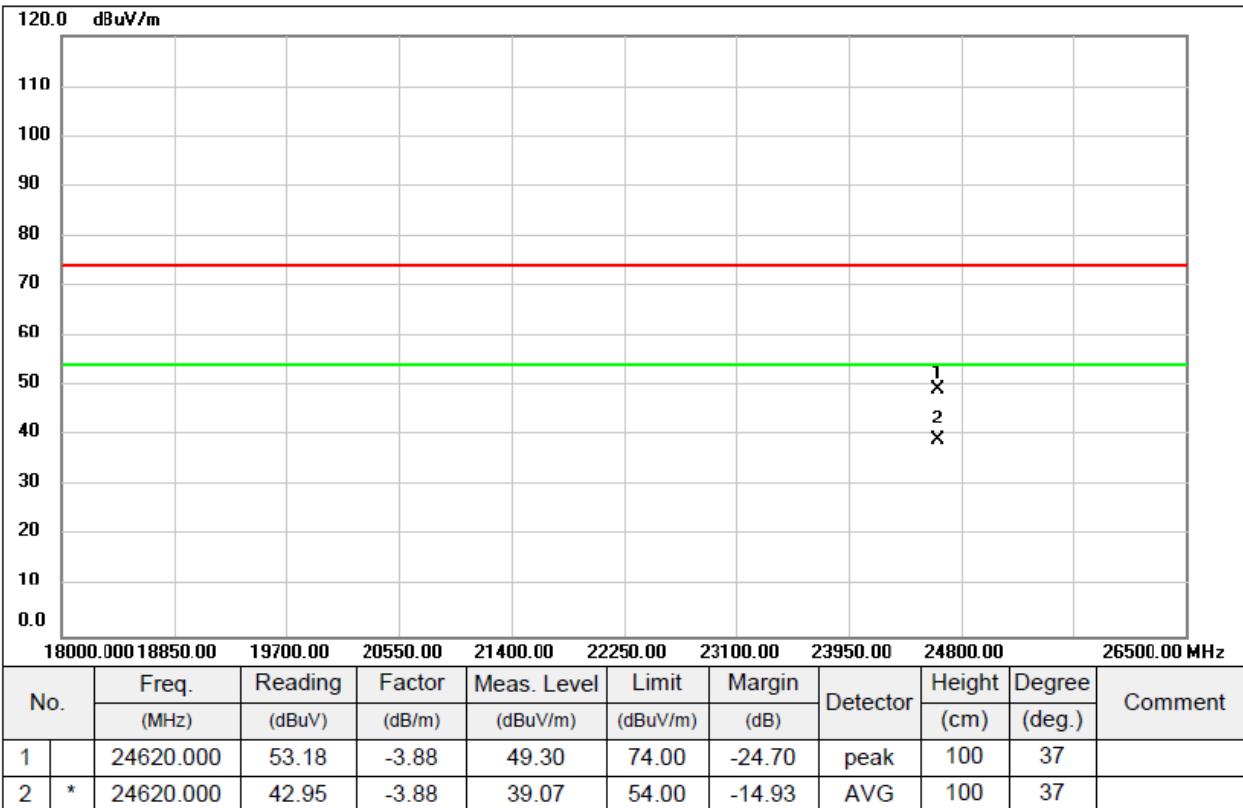
Test Mode	TX G Mode	Test Date	2025/3/15
Test Frequency	2462 MHz	Polarization	Vertical



REMARKS:

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

Test Mode	TX G Mode	Test Date	2025/3/15
Test Frequency	2462 MHz	Polarization	Horizontal



REMARKS:

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

APPENDIX D - BANDWIDTH

Test Mode	TX B Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	10.023	14.869	0.5	Complies
06	2437	9.945	14.865	0.5	Complies
11	2462	9.985	14.906	0.5	Complies

CH01

CH06
6 dB Bandwidth

CH11



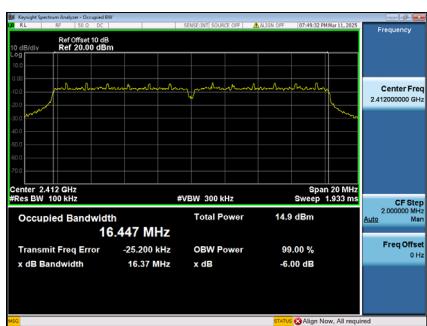
99 % Occupied Bandwidth



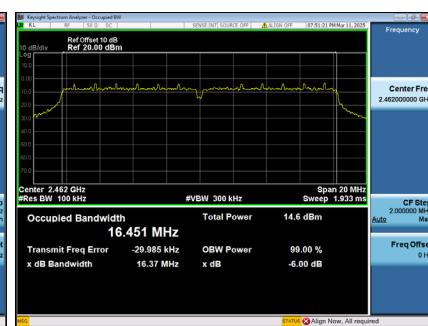
Test Mode TX G Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	16.375	16.976	0.5	Complies
06	2437	16.371	16.969	0.5	Complies
11	2462	16.373	16.983	0.5	Complies

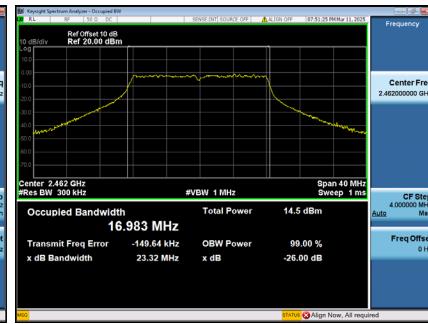
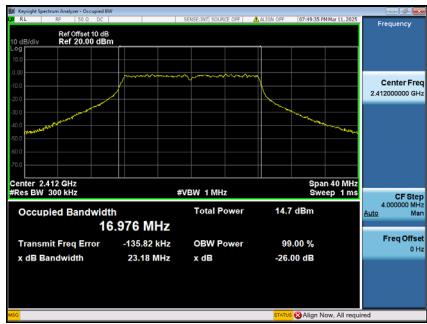
CH01

CH06
6 dB Bandwidth

CH11



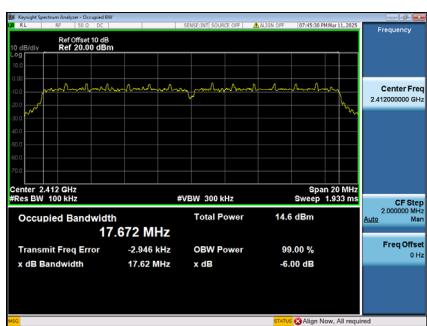
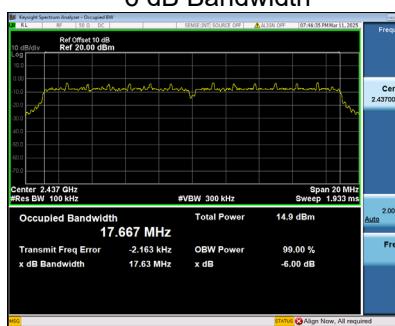
99 % Occupied Bandwidth



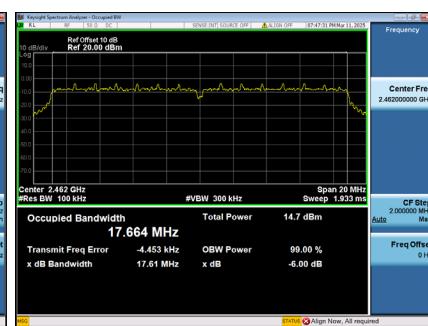
Test Mode TX N(HT20) Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	17.618	18.152	0.5	Complies
06	2437	17.626	18.138	0.5	Complies
11	2462	17.614	18.154	0.5	Complies

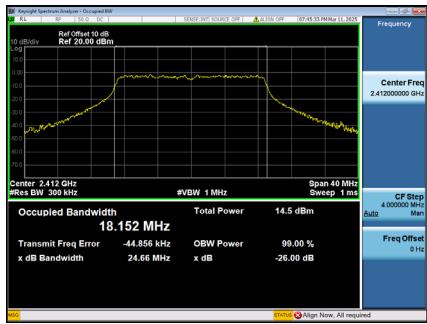
CH01

CH06
6 dB Bandwidth

CH11

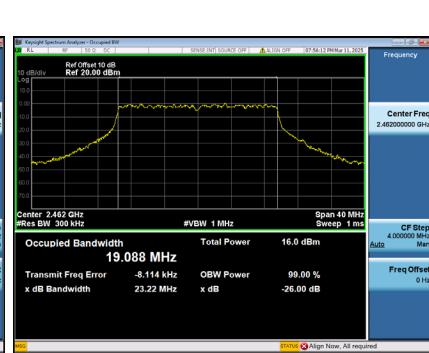
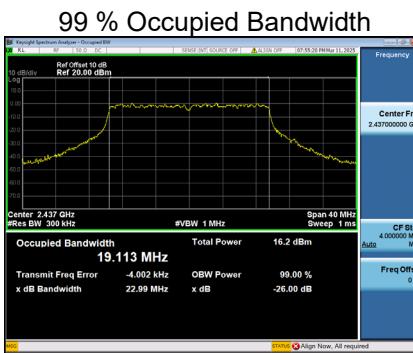
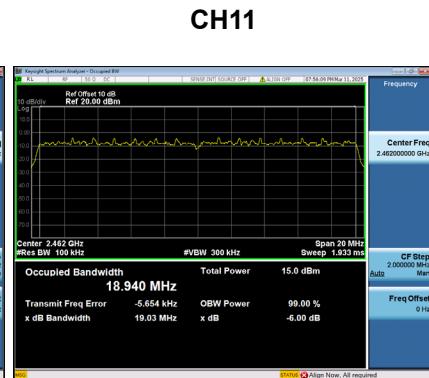
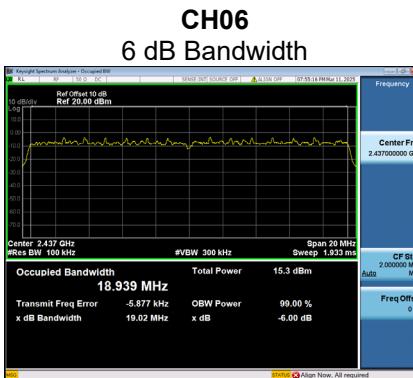
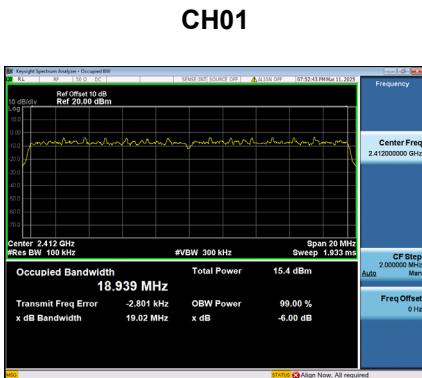


99 % Occupied Bandwidth



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	19.022	19.102	0.5	Complies
06	2437	19.023	19.113	0.5	Complies
11	2462	19.029	19.090	0.5	Complies



APPENDIX E - MAXIMUM OUTPUT POWER

Test Mode	TX B Mode	Test Date	2025/3/11
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	19.22	0.45	19.67	30.00	1.0000	Complies
06	2437	19.24	0.45	19.69	30.00	1.0000	Complies
11	2462	19.56	0.45	20.01	30.00	1.0000	Complies

Test Mode	TX G Mode	Test Date	2025/3/11
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	19.02	0.45	19.47	30.00	1.0000	Complies
06	2437	19.22	0.45	19.67	30.00	1.0000	Complies
11	2462	19.57	0.45	20.02	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode	Test Date	2025/3/11
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	19.20	0.45	19.65	30.00	1.0000	Complies
06	2437	19.13	0.45	19.58	30.00	1.0000	Complies
11	2462	19.16	0.45	19.61	30.00	1.0000	Complies

Test Mode	TX AX(HE20) Mode	Test Date	2025/3/11
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	19.09	0.00	19.09	30.00	1.0000	Complies
06	2437	19.10	0.00	19.10	30.00	1.0000	Complies
11	2462	19.08	0.00	19.08	30.00	1.0000	Complies

APPENDIX F - CONDUCTED SPURIOUS EMISSIONS