



FCC Test Report



Report Number : 6128626015101

Applicant : Inlumen Technologies Co., Ltd.

Product : Remote Control

Brand : Nocpix

Model : NRC-1

FCC ID : 2BHFB-5041-00

Applicable Standard:

FCC Subpart 15.247

RESPONSIBLE FOR	NAME	SIGNATURE	DATE
Approved By	Jack Chang		2026-03-25
Prepared By	Ariel Hsu		2026-03-25

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD Product Service control rules.

EXECUTIVE SUMMARY

TÜV SÜD Asia Ltd., reports apply only to the specific samples tested under stated test conditions. Construction of the actual test samples has been documented. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. The manufacturer/importer is responsible to the Competent Authorities for any modifications made to the production units which result in non-compliance to the relevant regulations. TÜV SÜD Asia Ltd. shall have no liability for any deductions, inferences or generalizations drawn by the client or others from TÜV SÜD Asia Ltd. issued reports.

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1 General Information

1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	Description of Change	Date of Issue
1	Initial Issue	2026-03-25

1.2 Introduction

The information contained in this report is intended to show verification of RF qualification approval. The testing requirements of the standards for the tests listed in Section 1.4.

Applicant : Inlumen Technologies Co., Ltd.
Address : Room 806, A1, Phase 3, Innovation Industrial Park, High-tech Zone, Hefei City, Anhui Province, China
Manufacturer : Inlumen Technologies Co., Ltd.
Brand Name : Nocpix
Product Name : Remote Control
Model Number(s) : NRC-1
Hardware Version : V1_1
Software Version : V1_0
Date of Receipt of EUT : 2026-03-02
Start of Test : 2026-03-17
Finish of Test : 2026-03-20
Test Laboratory : TÜV SÜD Asia Ltd., Taiwan Branch
7F., No. 37, Sec. 2, Zhongyang S. Rd., Beitou District, Taipei City 11270, R.O.C. Taiwan
Test Location : Guishan Laboratory
No. 31, Dinghu Road, Guishan District, Taoyuan City, TAIWAN (R.O.C.)

The test facility is accredited by TAF (member of ILAC), under number 2573 according to ISO/IEC 17025: 2017.

FCC OET Designation Number: TW2573

Address: No.31, Dinghu Rd., Guishan Dist., Taoyuan City, Taiwan

1.3 Reference Measurement Document

- ☒ ANSI C63.10-2020
- ☒ KDB 558074 D01 15.247 Meas Guidance v05r02
- ☐ KDB 662911 D01 Multiple Transmitter Output v02r01

1.4 Brief Summary of Test Results

§ 15.247			
Clause	Test item	Result	Remark
§15.203	Antenna Requirement	Compliant	
§15.247(b)(3)	Peak Conducted Output Power	Compliant	
§15.247(a)(2)	6 dB Bandwidth	Compliant	
§15.247(e)	Peak Power Spectral Density	Compliant	
§15.247(d)	Conducted Spurious Emission	Compliant	
§15.247(d)& 15.209	Radiated Spurious Emissions and Band Edges	Compliant	
§15.207	AC Power Line Conducted Emission	Compliant	

2 General EUT Information

2.1 Technical Specification of EUT

Items	EUT information
Operating Frequency	2402-2480
Number of Channels	40
Operating Voltage	3.7Vdc via Battery
Data Rate	BLE 1M: 1Mbps
Modulation	GFSK
TX Streaming Mode	☒ SISO ☐ MIMO, 2T2R ☐ 2TX for Diversity
Test Software Version	BlueNRG GUI-3.1.0.0-
Sample ID	718876530_E1_001 for Conducted sample 718876530_E1_002 for Radiated sample

TÜV SÜD Asia Ltd assumes no responsibility for any technical specification (including antenna information) provided by the applicant.

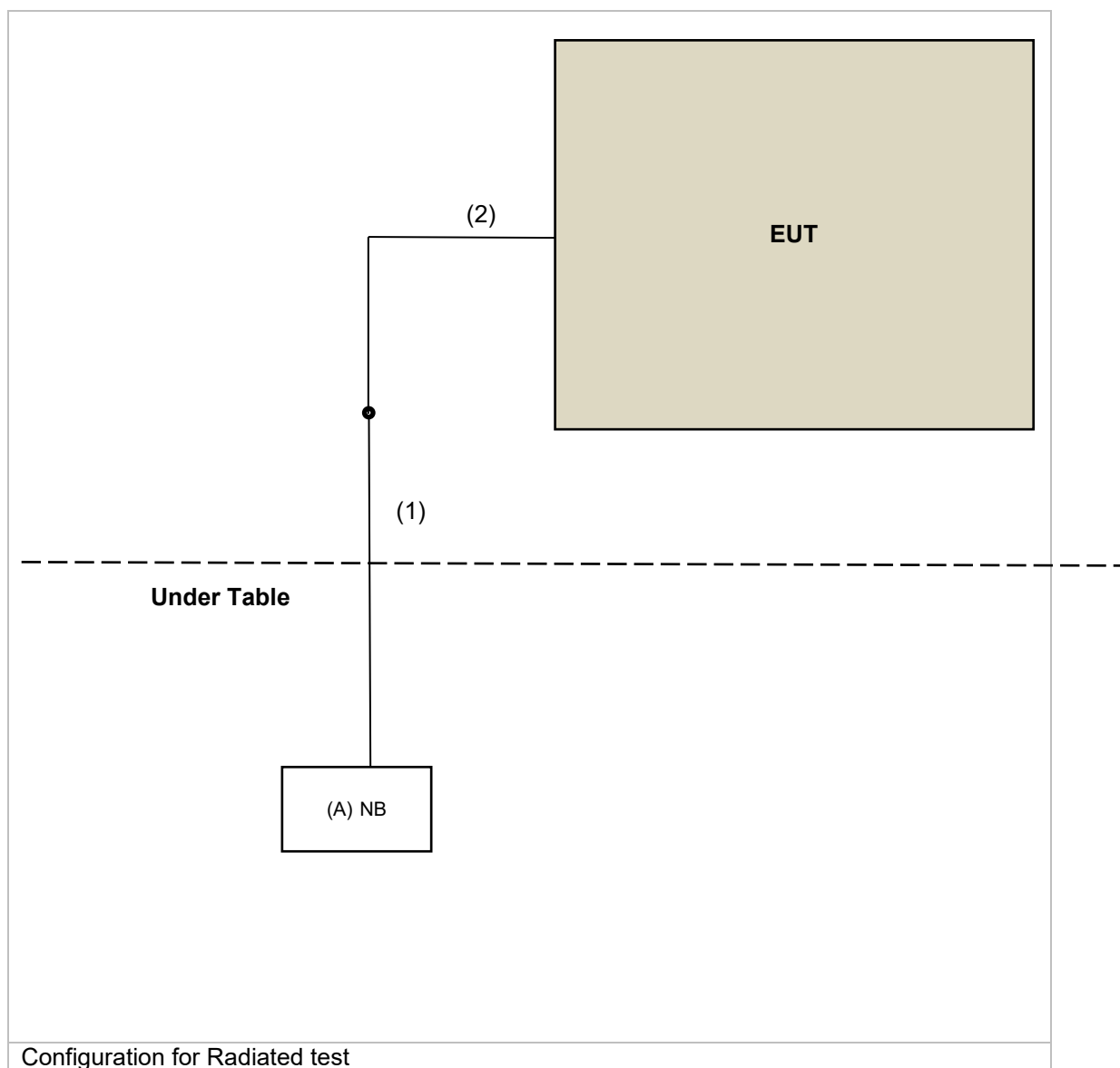
2.2 Antenna List

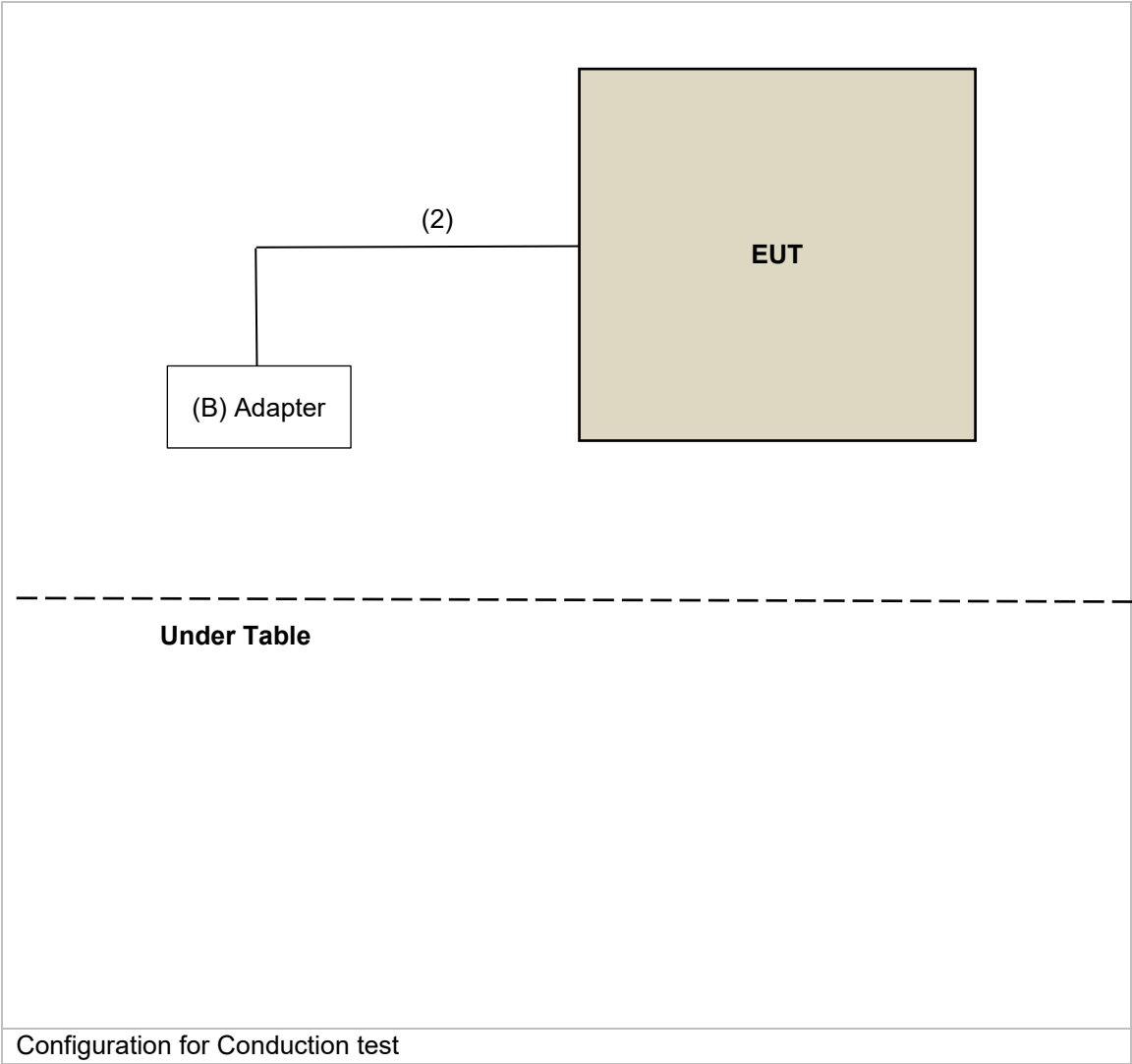
The antenna has been confirmed to be fully compliant with the requirements of FCC §15.203.

	Antenna Type	Brand	Model	Connector	Freq. (MHz)	Peak Antenna Gain (dBi)
ANT1	Patch	Gaoke Ant Co., Ltd.	GKZS-2.4G-TC0502-J	Permanently attached antenna	2400-2500	2.29

3 EUT Setup Configuration

3.1 Block Diagram





3.2 Support Equipment

No.	Product	Brand	Model No.	Serial No.	Remarks
A	Laptop	Lenovo	TP00048A	PC-00NQMT	Provided by Lab
B	Adapter	Apple	A1385	N/A	Provided by Lab

*The software is used to configure the EUT on the desired channel, BW and power settings for compliance testing.

3.3 Support Cable(s)

No.	Product	Brand	Model No.	Length (m)	Remarks
1	extension USB cable	Benevo	BUSB0300AMF	5	Provided by Lab
2	USB cable	IQOS	USB Type C	1	Provided by Lab

3.4 Channel list

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

3.5 Test Configuration

The EUT was configured to operate at its maximum power control level and set to a continuous transmitting and receiving state via the test software for all testing procedures.

3.5.1 RF Conducted Measurement

Test Item	Mode	Tested Channel	Date Rate (Mbps)
Peak Output Power, Maximum Spectral Power Density, Emission Bandwidth/ 6 dB Bandwidth Conducted Spurious Emission	BLE 1M	0, 19, 39	1

3.5.2 Radiated Spurious Emission

☐ Mobile Device

☒ Portable Device and 3 axis (X, Y, Z) were assessed. ☒ Lie(X) ☐ Stand(Y) ☐ Side(Z) was identified as the worst-case and is presented in the report.

The emission tests were performed with the EUT and accessories arranged and configured in a manner that tends to produce maximum emissions.

Radiated Spurious Emissions (Below 1 GHz)

Below tested channels were the worst-case of each modulation family determined in accordance with ANSI C63.10, clause 5.6.2.2 (b).

Mode	Tested Channel	Date Rate (Mbps)
BLE 1M	0, 19, 39	1

Radiated Spurious Emissions (Above 1 GHz)

☒ Following channel(s) was (were) selected for the final test as listed below.

Test Item	Mode	Tested Channel	Date Rate (Mbps)
Spurious Emission	BLE 1M	0, 19, 39	1
Band Edge	BLE 1M	0, 39	1

AC Power Line Conducted Emission

☐ N/A, the device was powered by battery.

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Channel	Date Rate (Mbps)
TX	2402-2480	0	1

3.6 Test Condition

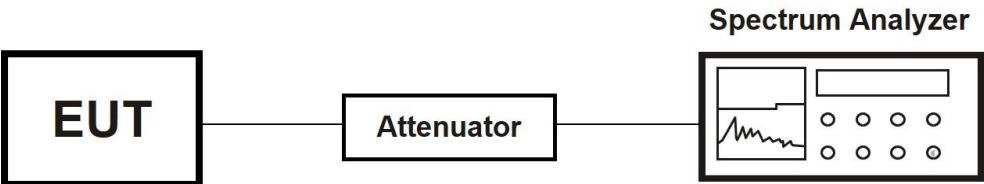
Test Item	Ambient Temperature	Relative Humidity	Tested by
Conducted Measurement	20 - 24 °C	50-68 %	Kevin Syu
Radiated Spurious Emissions	20 - 24 °C	50-68 %	Sam Huang
AC Power Line Conducted Emission	20 - 24 °C	50-68 %	Sam Huang



4 Technical Requirements

4.1 Duty Cycle

4.1.1 Block Diagram



4.1.2 Measurement procedure

Duty Cycle measurement is performed in accordance with the procedures of ANSI C63.10, clause 11.6. The EUT shall be configured to operate at the maximum achievable duty cycle.

Spectrum Parameters	Setting
Centre Frequency	equal to the centre of the transmission
Span	Zero Span
RBW	≥ EBW, or the largest available value
VBW	≥ RBW
Detector	Peak
Sweep Points	≥32001

4.1.3 Limit

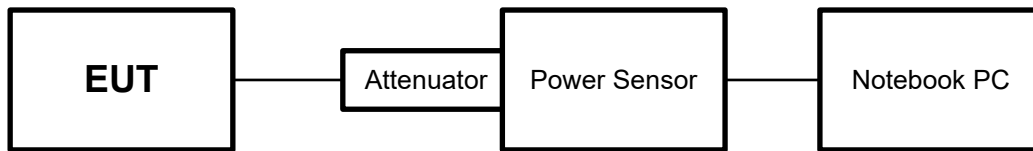
N/A, the duty cycle measurement was a reference value.

4.1.4 Result

Refer to Appendix B

4.2 Peak Conducted Output Power

4.2.1 Block Diagram



4.2.2 Measurement procedure

- 1) The measurement is performed in accordance with the procedures of ANSI C63.10, clause 11.9.1. The EUT shall be configured to operate at the maximum achievable duty cycle and the operation mode presented at section 3.5.
- 2) PKPM1, ANSI C63.10, Clause 11.9.1.2 was conducted for peak output power measurement.
- 3) If average power is necessary to be recorded, that Method AVGPM-G, clause 11.9.2.3.2 shall be conducted for average output power measurement. The wideband gated RF power meter is used to perform the measurement. The gate parameters are adjusted such that the power is measured the ON time of the transmissions.

4.2.3 Limit

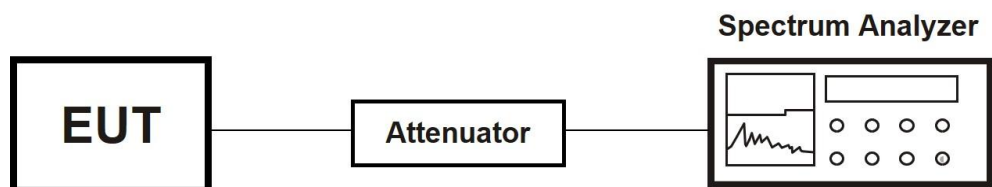
The Limits of maximum Peak Output Power for digital modulation in 2400-2483.5MHz is : 1Watt. (30dBm).

4.2.4 Measurement result

Refer to Appendix C

4.3 Bandwidth Measurement

4.3.1 Block Diagram



4.3.2 Measurement procedure

99% Occupied Bandwidth

Spectrum Parameters	Setting
Centre Frequency	equal to the centre of the transmission
Span	encompass the entire 99% OBW of the signal
RBW	1-5% of EBW or OBW
VBW	$\geq 3 \times \text{RBW}$
Detector	Sample
Trace Mode	Single Sweep
Measurement Function	Use the 99% power bandwidth function of the spectrum.

6dB Bandwidth

Spectrum Parameters	Setting
Centre Frequency	equal to the centre of the transmission
Span	encompass the entire 6 dB BW of the signal
RBW	1-5% of EBW or OBW
VBW	$\geq 3 \times \text{RBW}$
Detector	Peak
Trace Mode	Max Hold
Measurement Function	Measure the maximum width of the emission that is 6 dB down from the maximum of the emission.

4.3.3 Limit

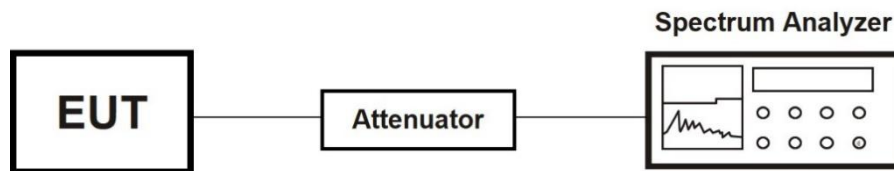
6 dB bandwidth shall be at least 500 kHz.

4.3.4 Measurement result

Refer to Appendix D

4.4 Peak Power Spectral Density

4.4.1 Block Diagram



4.4.2 Measurement procedure

Spectrum Parameters	Setting
Centre Frequency	equal to the centre of the transmission
Span	>1.5 times of the DTS bandwidth
RBW	3 kHz
VBW	≥ 3 RBW
Detector	Peak
Trace Mode	Max hold
Measurement Function	Use peak search to identify the max PSD

4.4.3 Limit

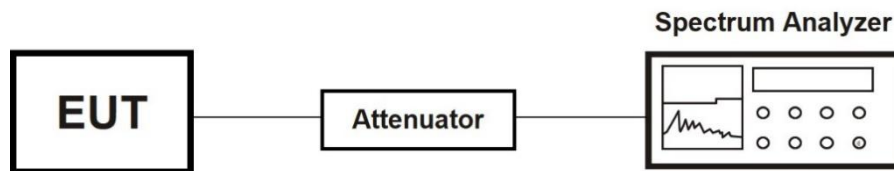
The peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band.

4.4.4 Measurement result

Refer to Appendix E

4.5 Conducted Spurious Emission

4.5.1 Block Diagram



4.5.2 Measurement Procedure

Reference Level

Spectrum Parameters	Setting
Centre Frequency	equal to the centre of the transmission
Span	1.5*DTS bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace Mode	Max hold
Measurement Function	Use peak search to identify the max value as the reference level

Emission Level

Spectrum Parameters	Setting
Frequency Range	30 MHz to 10 th harmonics
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace Mode	Max hold
Measurement Function	Use the peak marker function to determine the maximum amplitude level

All emissions shall be have 20 dB below reference level, or 30 dB below if average power was conducted as the reported power.

4.5.3 Limit

In any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, that the required attenuation shall be 30 dB instead of 20 dB.

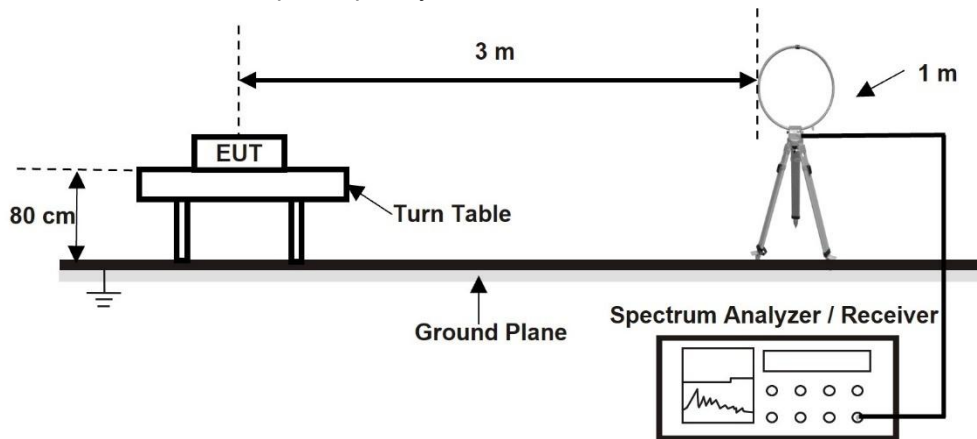
4.5.4 Test Result

Reference to Appendix F

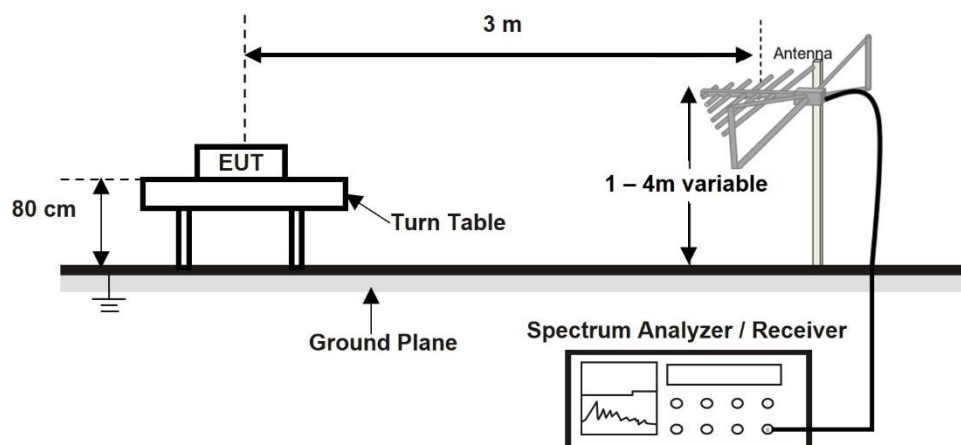
4.6 Radiated Spurious Emissions and Band Edges

4.6.1 Test Setup

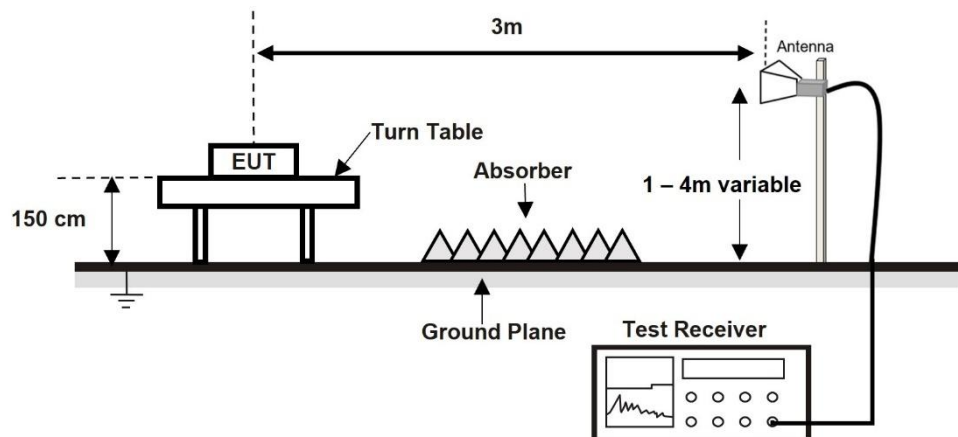
Radiated Emission Test Set-Up, Frequency Below 30MHz.



Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



Radiated Emission Test Set-Up, Frequency Above 1 GHz.



4.6.2 Measurement procedure

For Frequency below 30 MHz

The EUT was setup in accordance with section 3.1 and 4.5.1. The EUT was placed on top of the turntable with a height of 0.8 m for measurement of frequencies below 30 MHz. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° while varying the measurement antenna height in Parallel (OPEN), perpendicular (CLOSE), and 4 m Parallel (OPEN), perpendicular (CLOSE), and ground-parallel (GROUND) orientations. The measurement shall be performed with the following spectrum setting.

The RBW/ VBW shall be set 9 kHz for the measurement with Q.P. Frequency ranges in 9-90 kHz and 110- 490 kHz are based on measurements employing average and peak detectors.

For Frequency from 30 MHz to 40 GHz

The EUT was setup in accordance with section 3.1 and 4.5.1. The EUT was placed on top of the turntable with a height of 0.8 m for measurement of frequencies below 1 GHz, and 1.5 m for measurement of frequencies above 1 GHz. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° while varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. The measurement shall be performed with the following spectrum setting.

Frequency below 1 GHz:

Spectrum Analyzer is used for pre-testing with following setting:

1. RBW = 120kHz
2. VBW $\geq 3 \times$ RBW
3. Detector = Peak
4. Sweep time = auto
5. Trace mode = max hold
6. Allow sweeps to continue until the trace stabilizes.

If peak detection results satisfy the limit, Q.P. measurements are unnecessary; otherwise, a final Q.P. measurement must be performed.

Frequency above 1 GHz to 10th harmonic (up to 25 GHz):

Peak Measurement:

1. RBW = 1MHz
2. VBW $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Sweep time = auto.
5. Trace mode = max hold.
6. Allow sweeps to continue until the trace stabilizes.

Where the peak values are below the average limit, further measurements using an average detector are not required.

Average Measurement:

1. RBW = 1MHz
2. VBW = 10Hz (for duty cycle $\geq 98\%$), or
VBW = the value calculated in Appendix B (when duty cycle $<98\%$).
3. Detector = Peak.
4. Sweep time = auto.
5. Trace mode = max hold.
6. Allow sweeps to continue until the trace stabilizes.

4.6.3 Limit

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits

Unwanted spurious emissions which fall in the restricted bands as specified in FCC §15.205 must comply with the radiated emission limits specified as below table:

Frequency (MHz)	Field strength ($\mu\text{V/m}$)	Distance (m)
0.009-0.490	$2400/F(\text{kHz})$	300
0.490-1.705	$24000/F(\text{kHz})$	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Note: The lower limit shall apply at the transition frequencies.

Sample Calculation:

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Preamplifier Gain (dB)

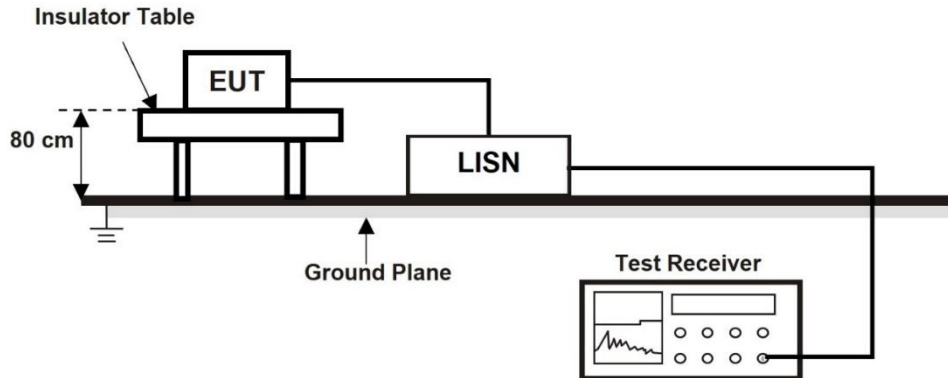
Level (dBuV/m) = Reading (dBuV) + Factor (dB/m)

4.6.4 Measurement result

Please refer to Appendix G

4.7 AC Power Line Conducted Emission Measurement

4.7.1 Test Setup



4.7.2 Measurement procedure

1. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/50 μ H of coupling impedance for the measuring instrument.
2. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
3. The frequency range from 150 kHz to 30 MHz was scanned. Emission levels more than 20 dB below the limit was not recorded.

4.7.3 Limit

Frequency range (MHz)	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

Note

1. The lower limit shall apply at the transition frequencies
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

4.7.4 Measurement result

Refer to Appendix H

5 Measurement Uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

Item	Measurement Uncertainty			
	Test Site	Description	U	Unit
AC Power Line Conducted Emission	Shielded Room A	0.15 – 30MHz	2.69	dB
Radiated Emission, Horizontal @3m distance	Chamber 966B	9kHz – 30MHz	2.61	dB
		30 – 1000MHz	1.82	dB
		1 – 18GHz	2.11	dB
		18 – 40GHz	2.41	dB
Radiated Emission, Vertical @3m distance	Chamber 966B	9kHz – 30MHz	2.61	dB
		30 – 1000MHz	1.8	dB
		1 – 18GHz	2.11	dB
		18 – 40GHz	2.41	dB
Frequency stability	RF Room	--	± 29	Hz
Bandwidth Measurement	RF Room	6dB BW	± 29.78	kHz
	RF Room	20dB BW	± 46.91	kHz
	RF Room	26dB BW	± 55.99	kHz
	RF Room	99% OBW	± 28.95	kHz
Output Power	RF Room	Spectrum	± 1.44	dB
		Power Sensor	± 0.81	
Power Spectral Density	RF Room	--	± 1.44	dB
Conducted Spurious Emission	RF Room	--	± 1.62	dB

Appendix A. Test Equipment

Radiated Emission Measurement

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
Spectrum Analyzer	R&S	FSV3044	101348	2025-07-29	1 Year
Spectrum Analyzer	R&S	ESR 7	102600	2025-08-22	1 Year
Horn (18-40G)	RF SPIN	DRH0844	LE2C01A0844	2025-12-19	1 Year
Horn (1-18G)	RF SPIN	DRH18-E	211218A18EN	2025-11-05	1 Year
Bi-Log Antenna	Schwarzbeck	VULB 9168	01499	2026-02-11	1 Year
Preamplifier (1-18G)	SGH	SGH118-HS	20230214-5	2025-04-10	1 Year
Preamplifier (18-40G)	SGH	SGH184	20230214-8	2025-04-10	1 Year
Preamplifier (30M-1G)	SGH	SGH0301	20230214-4	2025-04-24	1 Year
Test Software	Audix	e3	221118, V9	N/A	N/A

AC Power Line Conducted Emission

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
EMI Receiver	R&S	ESR 7	102599	2025-08-11	1 Year
LISN	R&S	ENV216	101517	2025-10-31	1 Year
Test Software	Audix	e3	221118, V9	NCR	NCR.

RF Conducted Measurement

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
Spectrum Analyzer	Keysight	N9010B	MY63440384	2025-07-11	1 Year
Power Sensor	Anritsu	MA24408A	12778	2026-03-12	1 Year
Test Software	Anritsu	MA24400A USB Peak Power Sensor	1.1.0.0	NCR	NCR.
Test Software	Keysight	IOT0047A	24.11.25.17	NCR	NCR.

*: The calibrations of the above equipment are traceable to NIST or equivalent standards of the reference organizations.



Appendix B. Duty Cycle

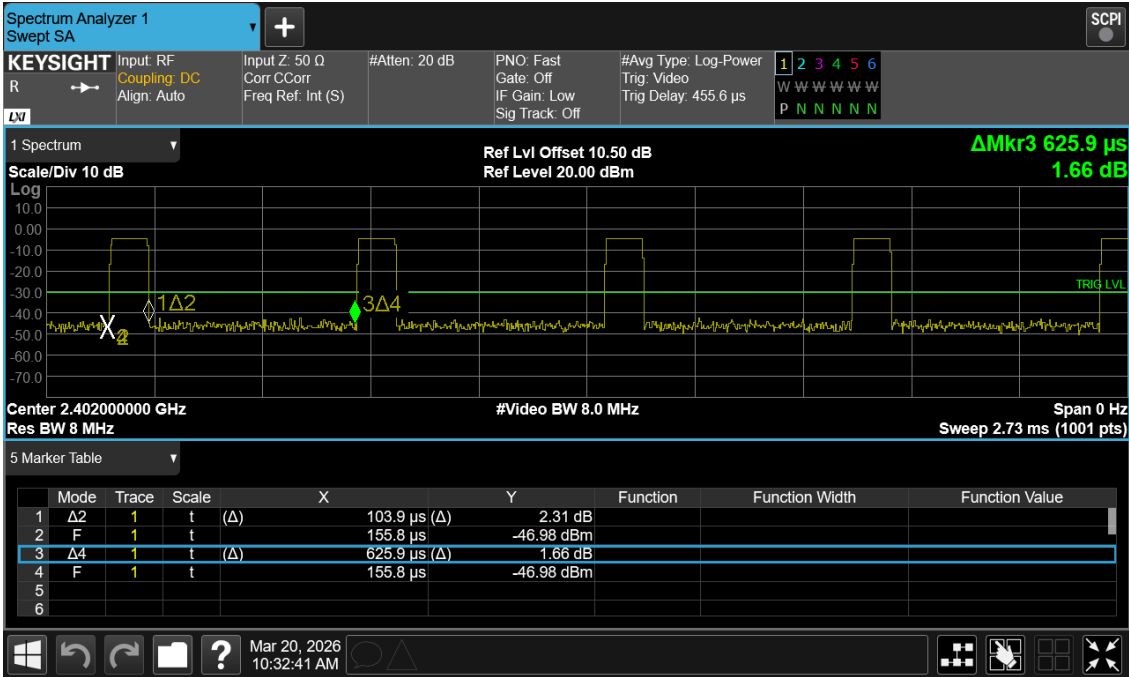
BLE 1M

1Mbps		
Duty On (ms):	0.104	Duty Cycle = Ton / (Ton + Toff)
Duty OnOff (ms):	0.626	
Duty Cycle (%):	16.594	
VBW (Hz):	10k	

* Duty cycle = 0.104ms/0.626ms = 0.16594

*If duty cycle of test signal is ≥ 98%, duty factor is not required.

*If duty cycle of test signal is < 98%, duty factor shall be considered.



Appendix C. Peak Conducted Output Power

Cable loss has been offset in the measurement result.

Peak Output Power

<1Mbps>

Channel	Channel Frequency	Peak Output Power		Average Output Power		Power Setting	Limit(dBm)
	(MHz)	(dBm)	(mW)	(dBm)	(mW)		
Low Channel	2402	-3.86	0.411150	-4.15	0.384592	4	30
Middle Channel	2440	-3.74	0.422669	-4.01	0.397192	4	30
High Channel	2480	-3.70	0.426580	-3.97	0.400867	4	30

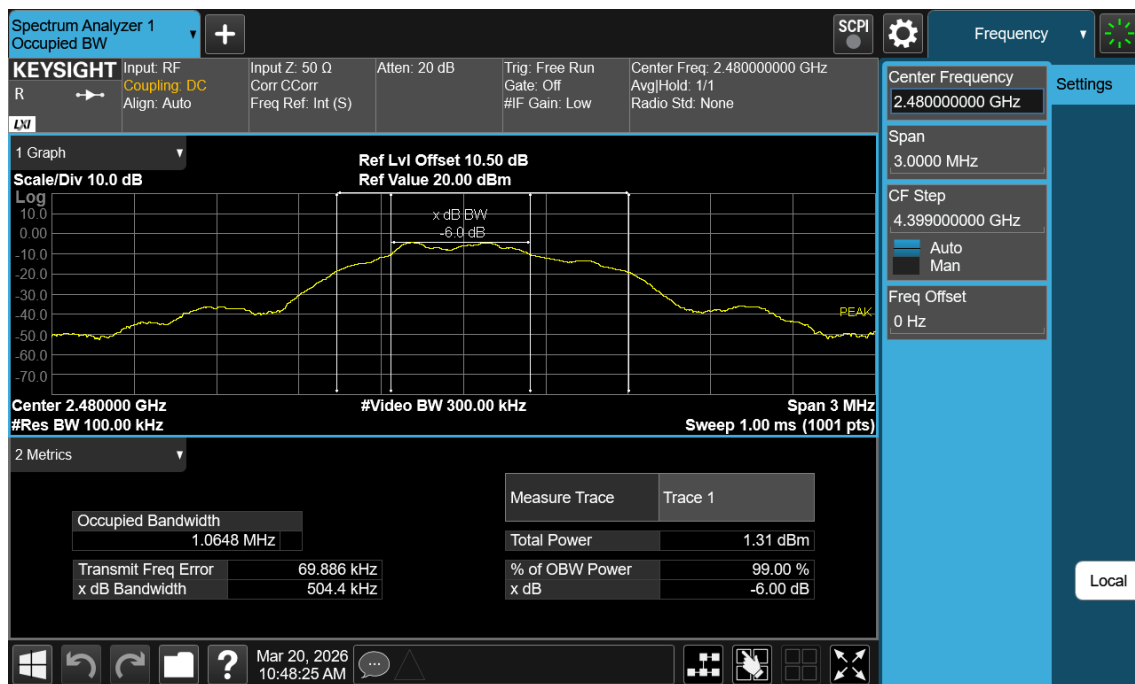
Appendix D. Bandwidth Measurement

Only the worst-case plots are presented herein. all of which were found to be in compliance with the rule.

6dB Bandwidth

<1Mbps>

Channel	Channel Frequency	6dB Bandwidth	> 0.5 MHz
	(MHz)	(MHz)	
Low Channel	2402	0.508	0.5
Middle Channel	2440	0.508	0.5
High Channel	2480	0.504	0.5

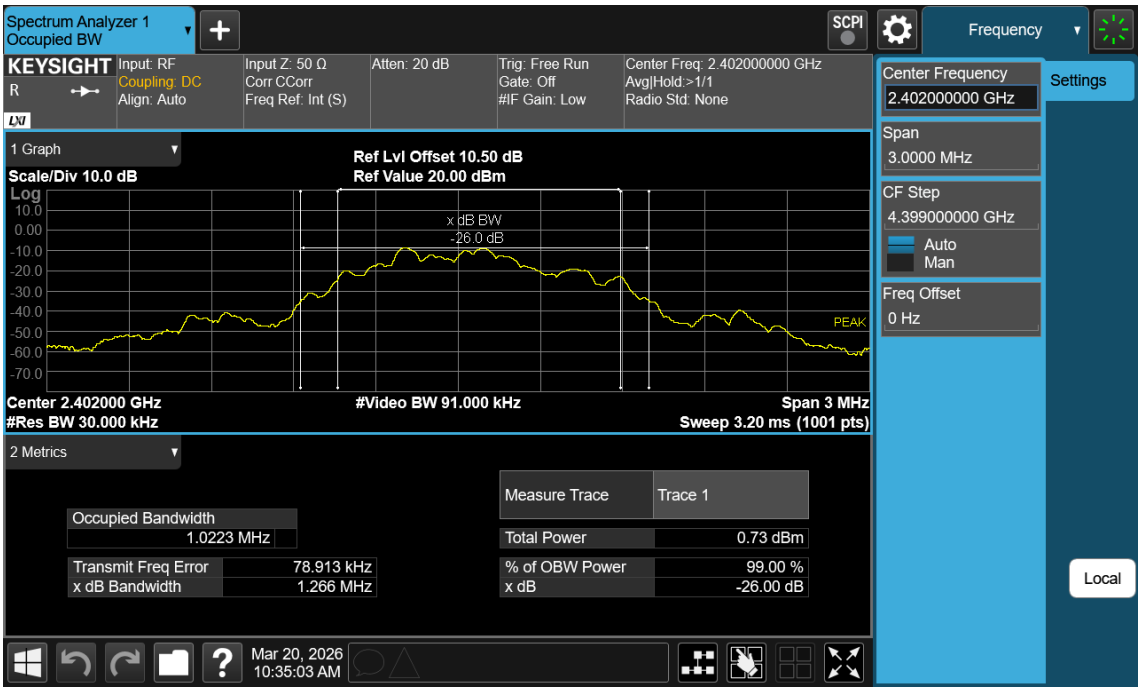




99% Bandwidth

<1Mbps>

Channel	Channel Frequency	99% Bandwidth
	(MHz)	(MHz)
Low Channel	2402	1.022
Middle Channel	2440	1.022
High Channel	2480	1.021



Appendix E. Peak Power Spectral Density

Only the worst-case plots are presented herein, all of which were found to be in compliance with the rule.

Power Density

<1Mbps>

Channel	Channel Frequency	Power Density	Limit (dBm/3kHz)
	(MHz)	(dBm/3kHz)	
Low Channel	2402	-16.713	8
Middle Channel	2440	-16.338	8
High Channel	2480	-15.414	8

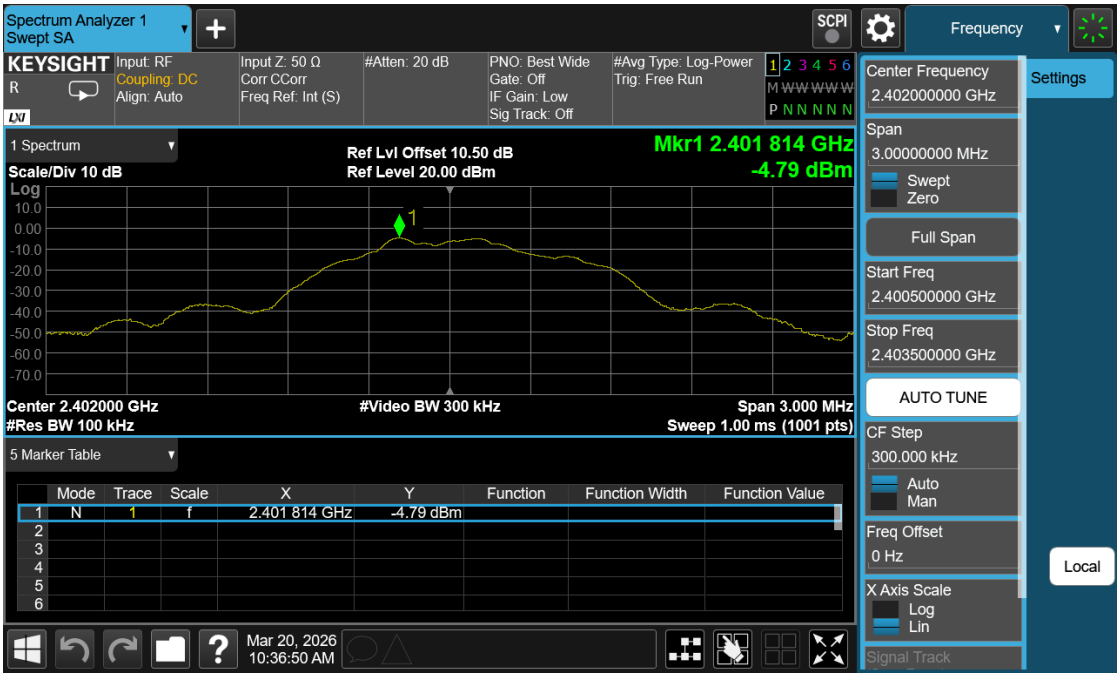




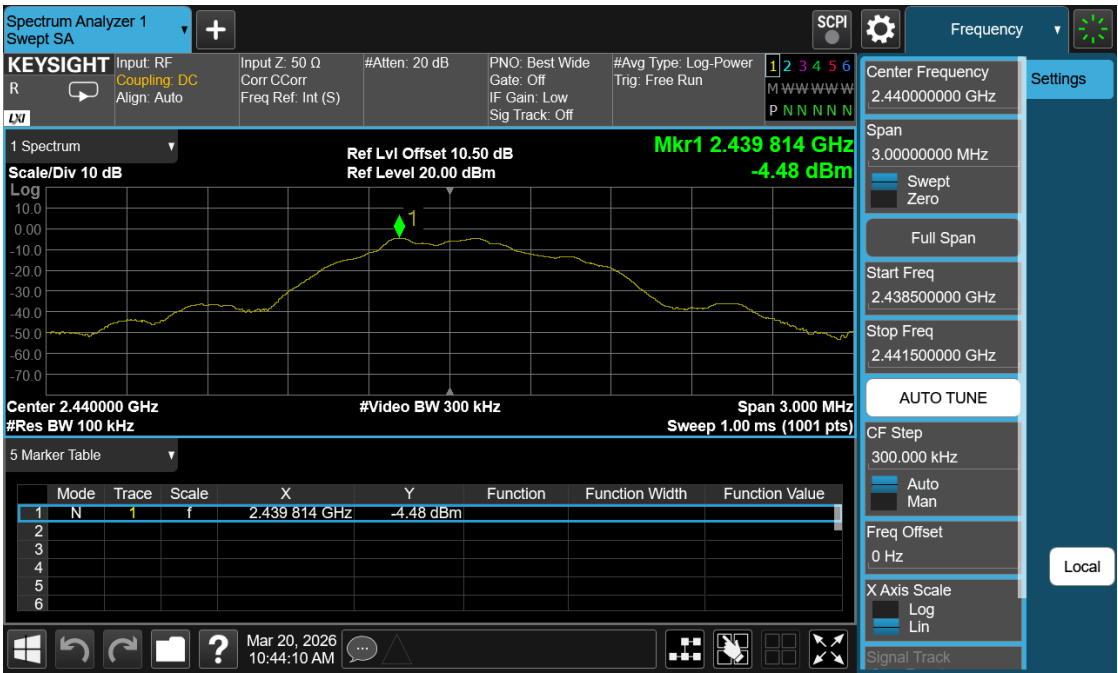
Appendix F. Conducted Spurious Emission

Reference <1Mbps>

<Lowest Channel>



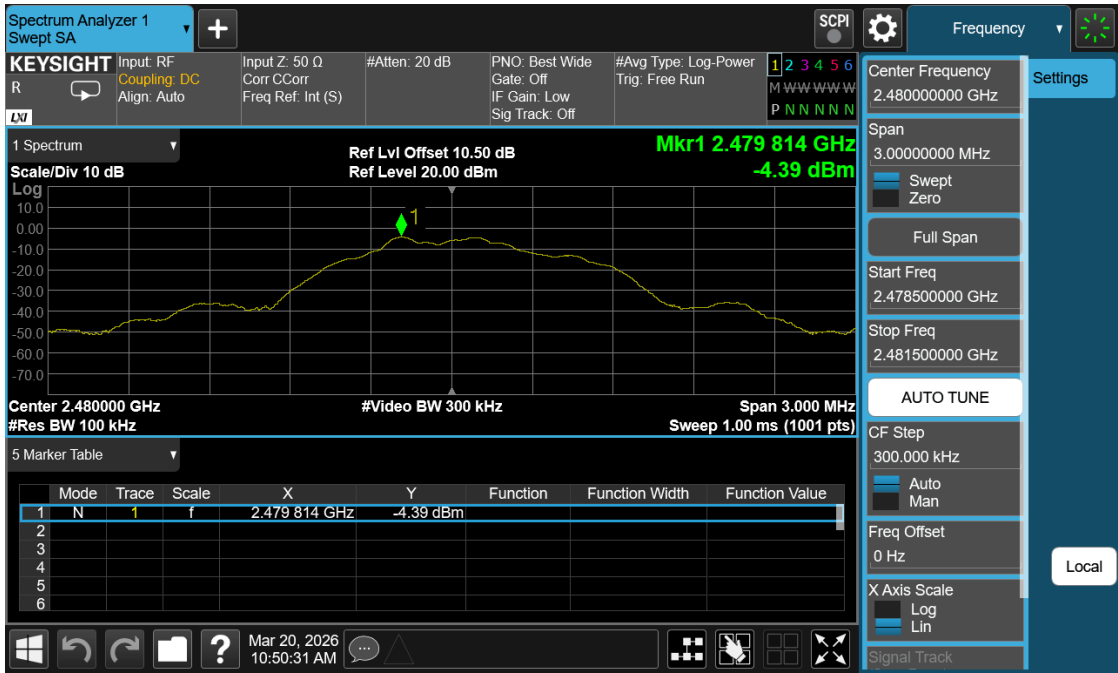
<Middle Channel>





Reference <1Mbps>

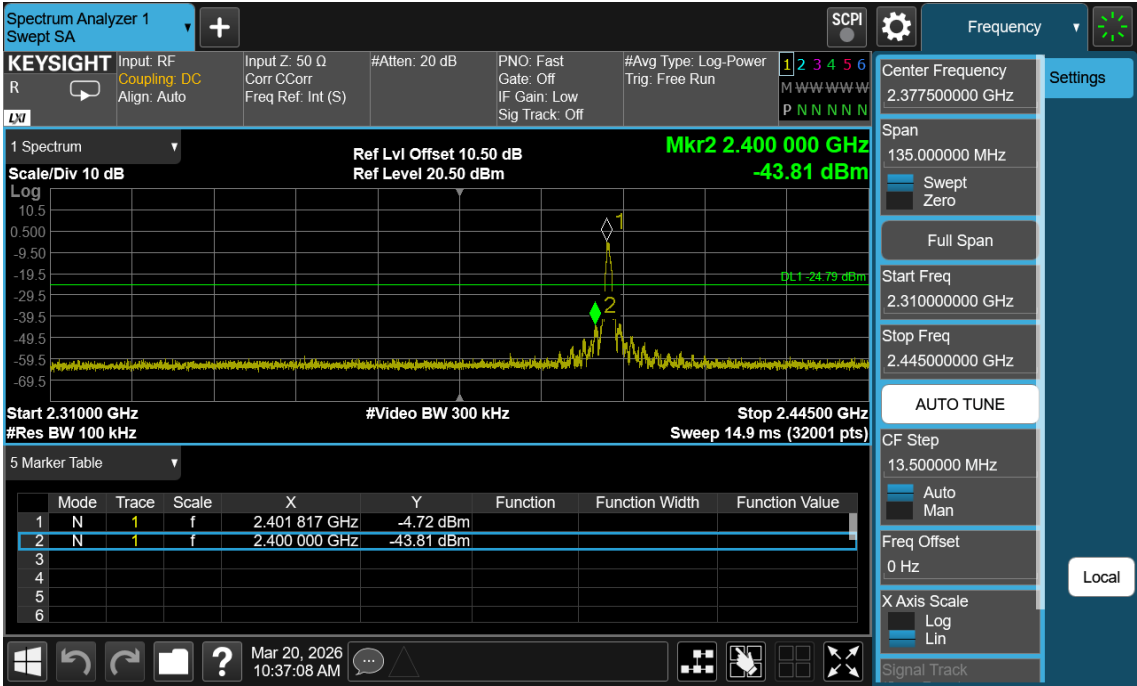
<Highest Channel>



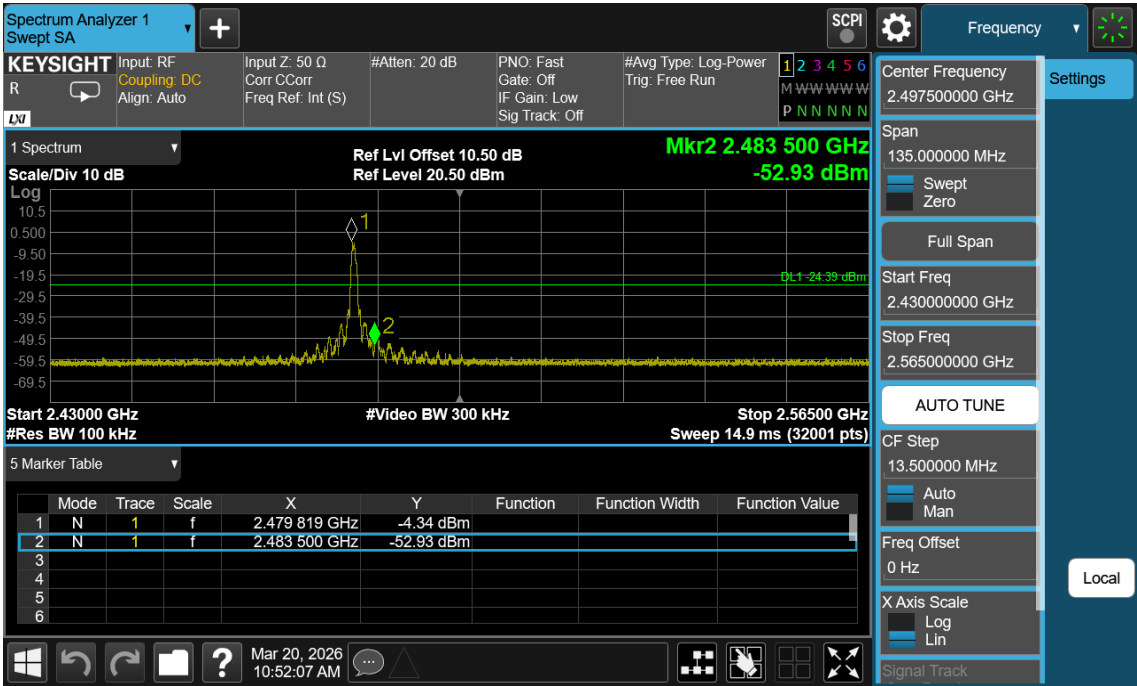


Band Edges<1Mbps>

<Lowest Channel>



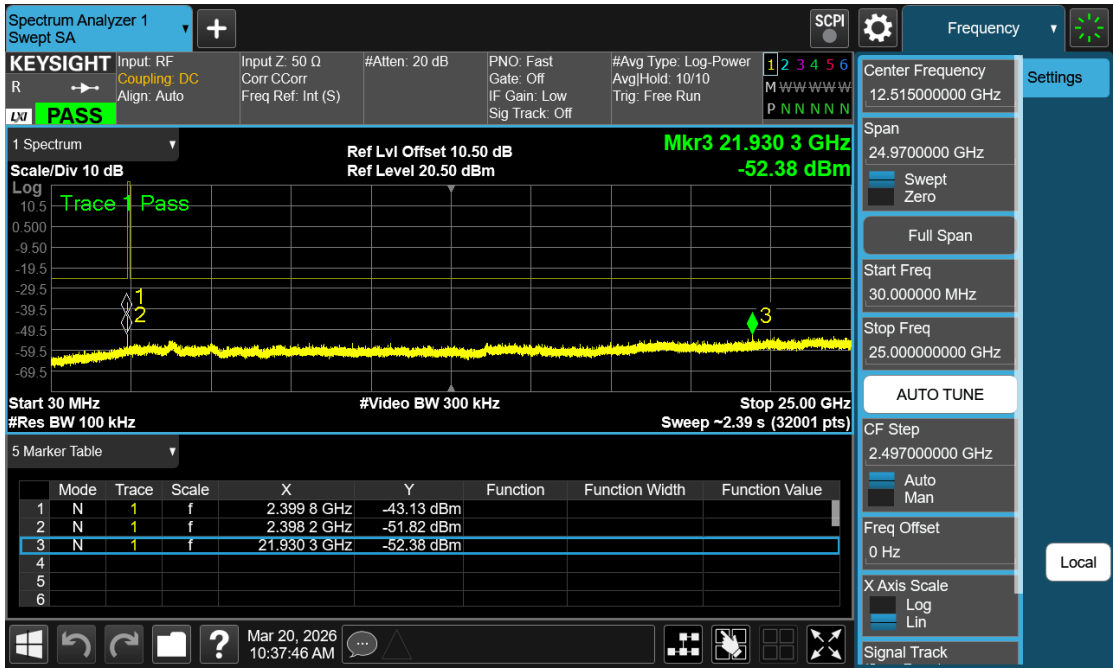
<Highest Channel>



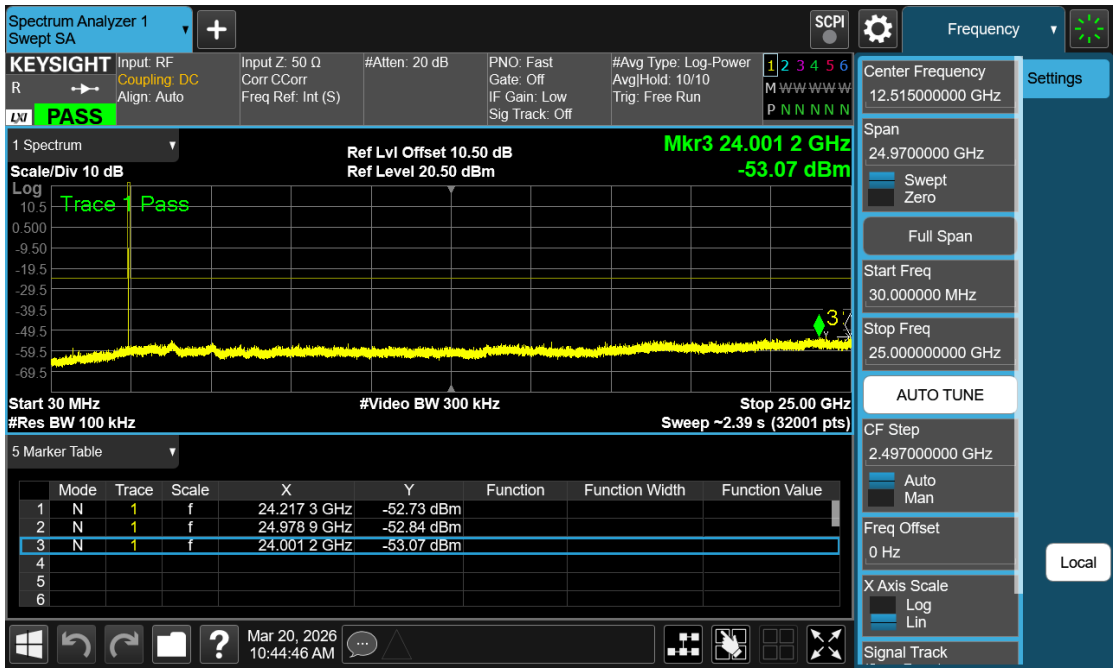


Conducted Spurious Emissions <1Mbps>

<Lowest Channel>

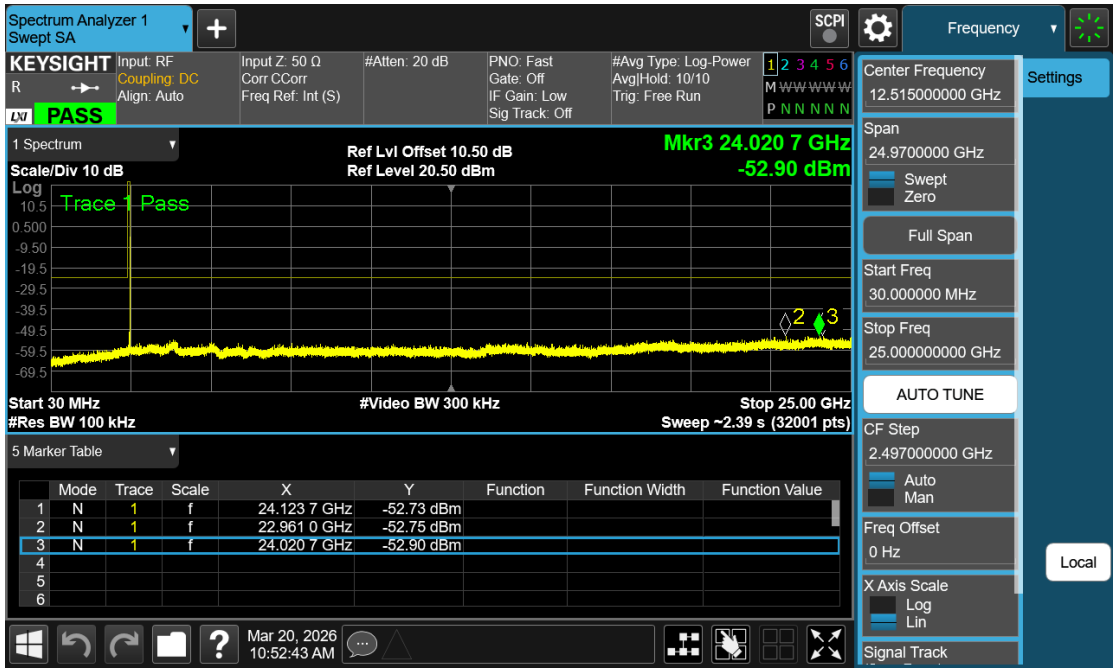


<Middle Channel>





< Highest Channel >





Appendix G. Radiated Spurious Emissions and Band Edges

Report No.

Operation Band

Channel

Mode

Power Setting

Plane

:6128626015101

:BLE 1M

:2440 MHz

:Tx

:4

:X Plane

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-03-17

:21.9C/57%

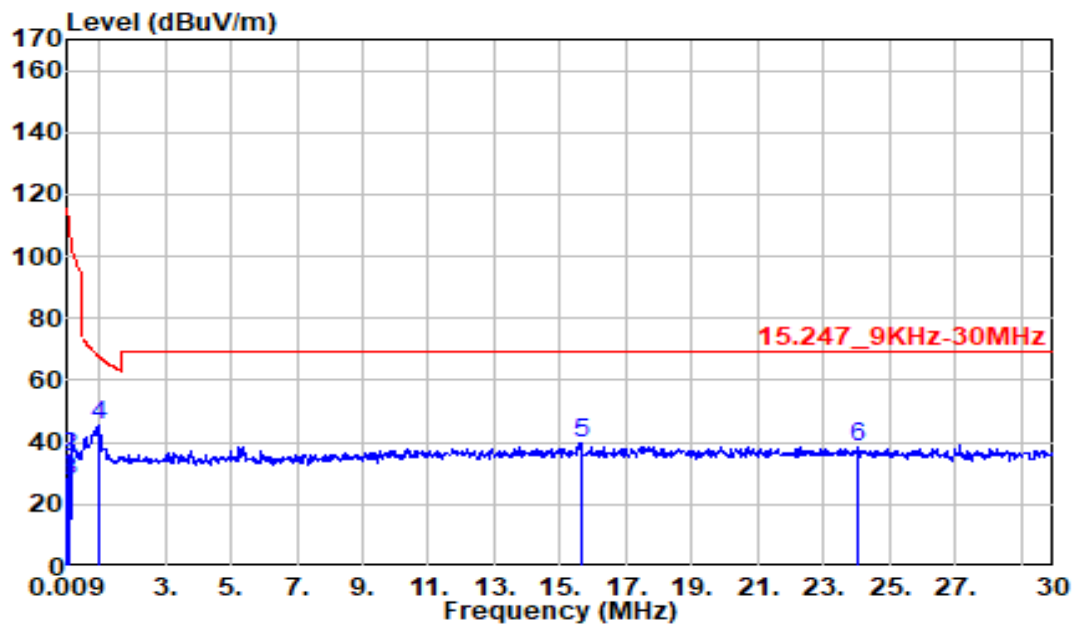
:Vertical

:Sam Huang

:chamber B

:5Vdc from Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
0.038	7.88	20.64	28.52	116.02	-87.49	Peak	100	360
0.076	15.47	20.08	35.55	110.01	-74.46	Peak	100	360
0.114	8.15	19.60	27.75	106.49	-78.74	Peak	100	360
0.986	24.75	20.50	45.25	67.69	-22.44	Peak	100	360
15.612	16.88	22.94	39.82	69.54	-29.72	Peak	100	360
24.030	15.38	23.27	38.66	69.54	-30.89	Peak	100	360



Report No.

Operation Band

Channel

Mode

Power Setting

Plane

:6128626015101

:BLE 1M

:2440 MHz

:Tx

:4

:X Plane

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-03-17

:21.9C/57%

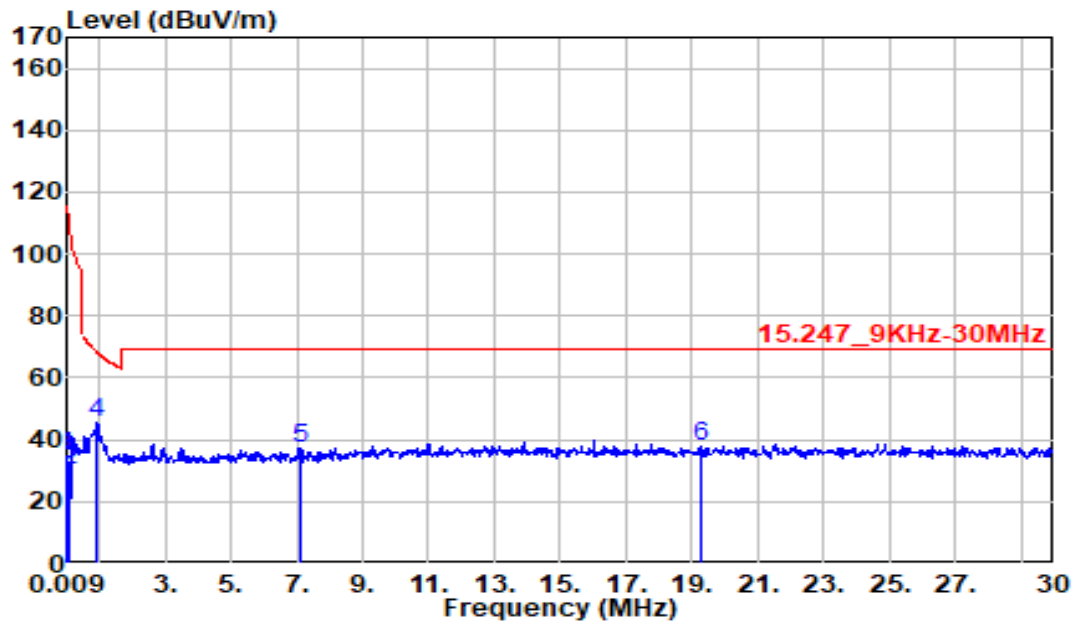
:Horizontal

:Sam Huang

:chamber B

:5Vdc from Notebook

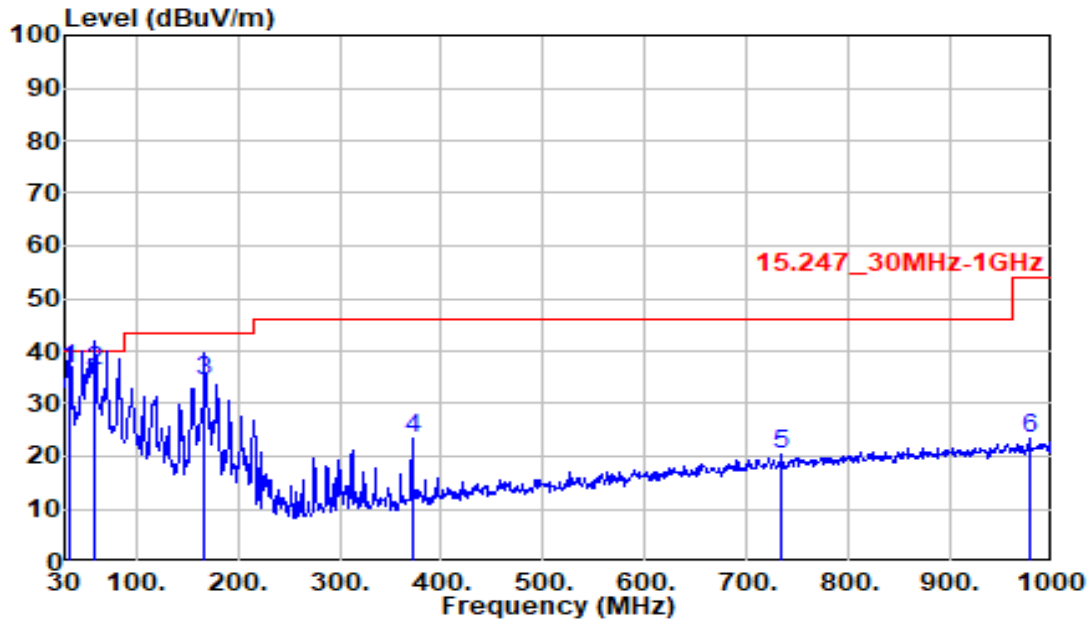
Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
0.038	14.02	20.64	34.66	116.02	-81.36	Peak	100	360
0.076	9.91	20.08	29.98	110.00	-80.01	Peak	100	360
0.114	12.49	19.60	32.09	106.49	-74.40	Peak	100	360
0.896	24.88	20.47	45.35	68.52	-23.17	Peak	100	360
7.105	16.12	21.37	37.50	69.54	-32.04	Peak	100	360
19.254	14.97	23.16	38.12	69.54	-31.42	Peak	100	360

Report No.	:6128626015101	Test Date	:2026-03-17
Operation Band	:BLE 1M	Temp/Humi	:21.9C/57%
Channel	:2440 MHz	Antenna Pol	:Vertical
Mode	:Tx	Test Engineer	:Sam Huang
Power Setting	:4	Test Site	:chamber B
Plane	:X Plane	Voltage	:5Vdc from Notebook

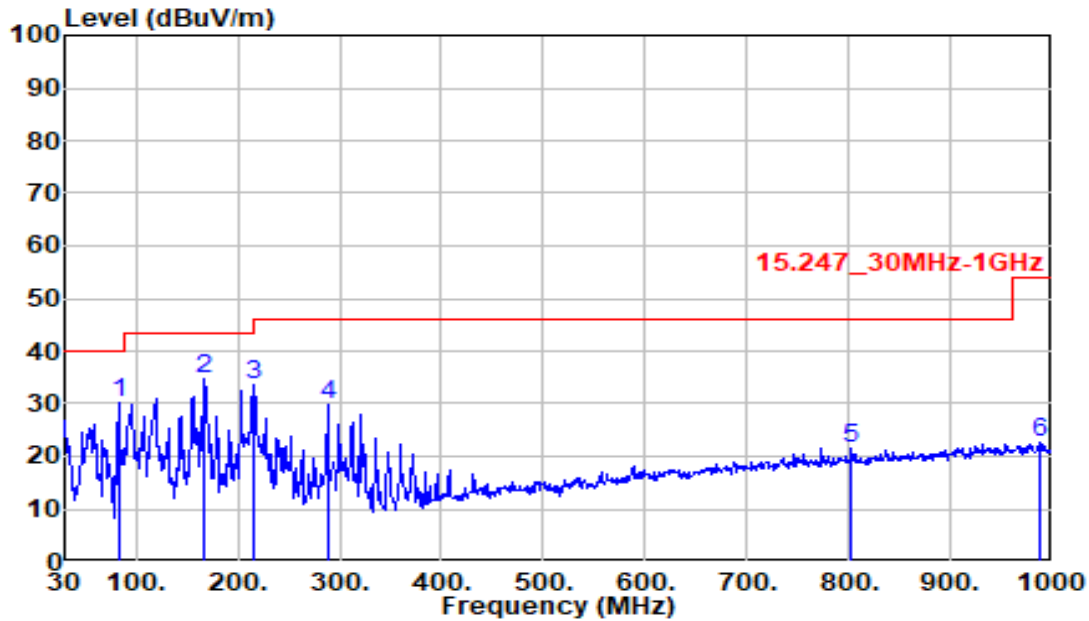
Note :



Freq MHz	Read LV. dBUV	Factor dB/m	Emission LV dBUV/m	Limit dBUV/m	Margin dB	Detector PK/QP/AV	Apos CM	TPos DEG
35.820	67.10	-30.67	36.43	40.00	-3.57	QP	260	111
59.100	66.10	-29.94	36.16	40.00	-3.84	QP	293	282
167.740	64.50	-30.21	34.29	43.50	-9.21	QP	338	211
371.440	50.32	-27.10	23.22	46.00	-22.78	Peak	132	112
734.220	39.48	-19.15	20.33	46.00	-25.67	Peak	159	273
977.690	39.46	-16.19	23.27	54.00	-30.73	Peak	203	225

Report No.	:6128626015101	Test Date	:2026-03-17
Operation Band	:BLE 1M	Temp/Humi	:21.9C/57%
Channel	:2440 MHz	Antenna Pol	:Horizontal
Mode	:Tx	Test Engineer	:Sam Huang
Power Setting	:4	Test Site	:chamber B
Plane	:X Plane	Voltage	:5Vdc from Notebook

Note :



Freq MHz	Read LV. dBUV	Factor dB/m	Emission LV dBUV/m	Limit dBUV/m	Margin dB	Detector PK/QP/AV	Apos CM	TPos DEG
83.350	65.57	-35.28	30.29	40.00	-9.71	Peak	176	155
167.740	64.92	-30.21	34.71	43.50	-8.79	Peak	111	266
216.240	66.66	-32.98	33.68	46.00	-12.32	Peak	146	20
288.020	59.05	-29.30	29.75	46.00	-16.25	Peak	278	251
803.090	39.95	-18.32	21.63	46.00	-24.37	Peak	194	22
988.360	38.56	-16.09	22.47	54.00	-31.53	Peak	308	308



Report No.

Operation Band

Channel

Mode

Power Setting

Plane

:6128626015101

:BLE 1M

:2402 MHz

:Tx

:4

:X Plane

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-03-17

:21.9C/57%

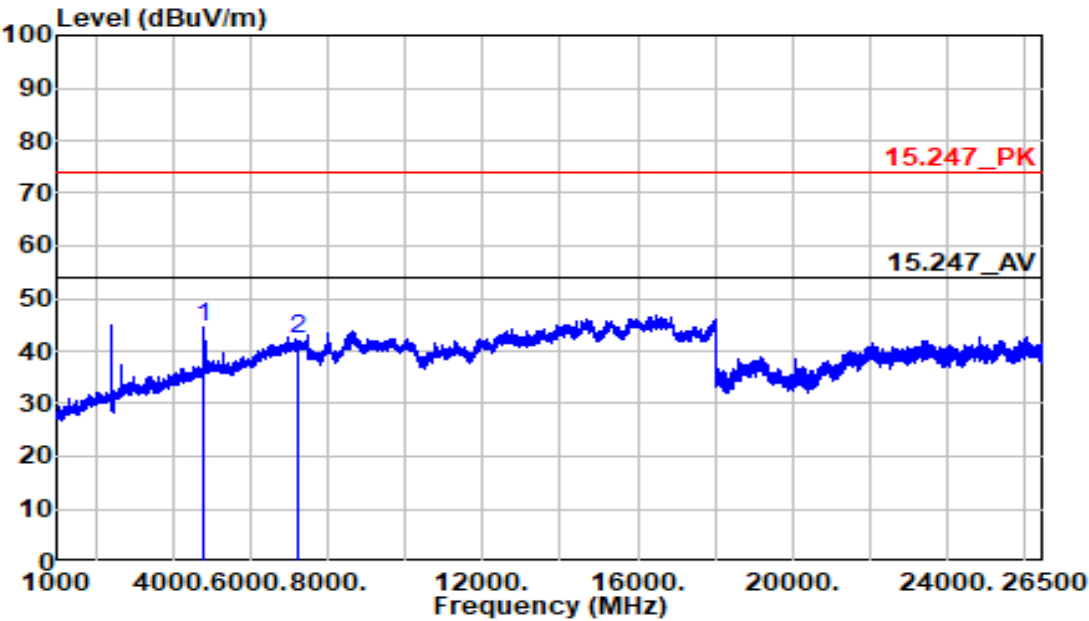
:Vertical

:Sam Huang

:chamber B

:5Vdc from Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
4804.000	48.86	-4.42	44.44	74.00	-29.56	Peak	195	227
7206.000	40.56	1.66	42.22	74.00	-31.78	Peak	168	271



Report No.

Operation Band

Channel

Mode

Power Setting

Plane

:6128626015101

:BLE 1M

:2402 MHz

:Tx

:4

:X Plane

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-03-17

:21.9C/57%

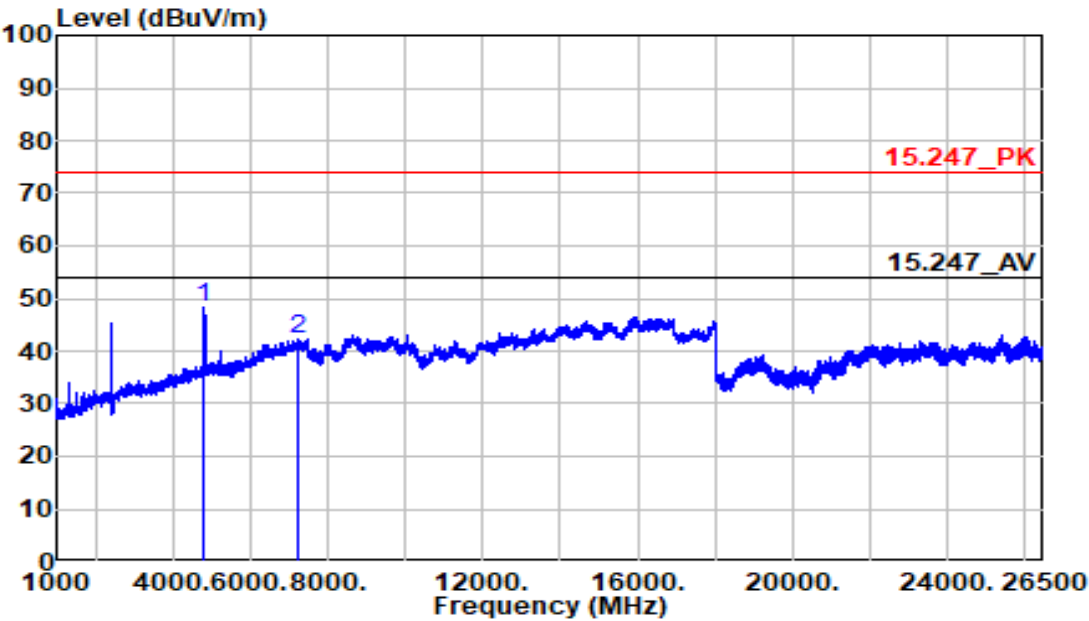
:Horizontal

:Sam Huang

:chamber B

:5Vdc from Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
4804.000	52.84	-4.42	48.42	74.00	-25.58	Peak	248	299
7206.000	40.53	1.66	42.19	74.00	-31.81	Peak	302	92



Report No.

Operation Band

Channel

Mode

Power Setting

Plane

:6128626015101

:BLE 1M

:2440 MHz

:Tx

:4

:X Plane

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-03-17

:21.9C/57%

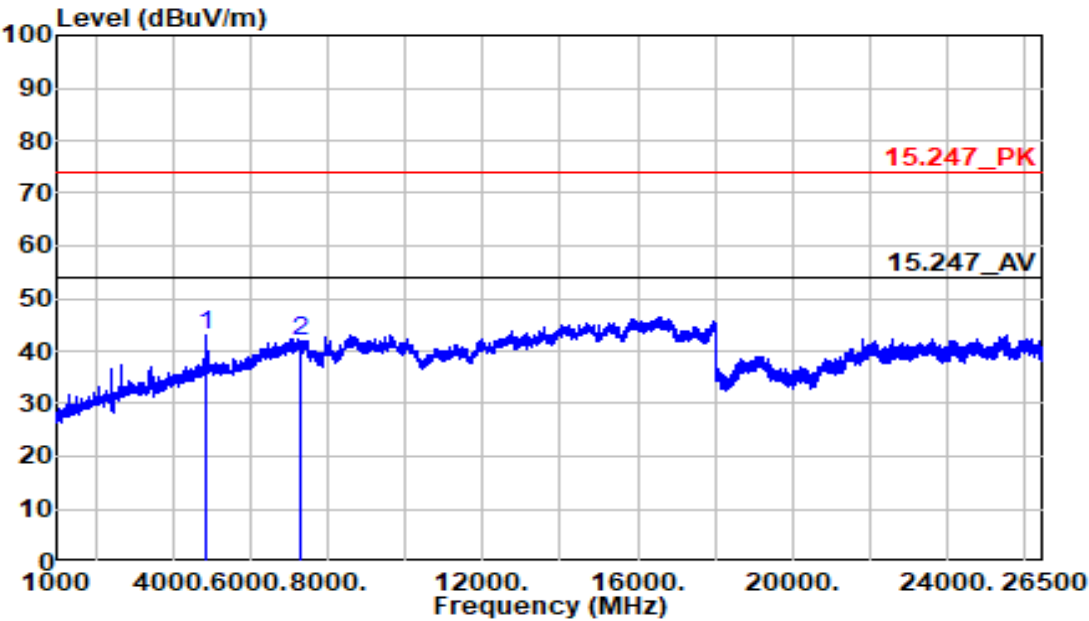
:Vertical

:Sam Huang

:chamber B

:5Vdc from Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4880.000	47.03	-4.17	42.86	74.00	-31.14	Peak	305	278
7320.000	40.15	1.87	42.02	74.00	-31.98	Peak	261	125



Report No.

Operation Band

Channel

Mode

Power Setting

Plane

:6128626015101

:BLE 1M

:2440 MHz

:Tx

:4

:X Plane

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-03-17

:21.9C/57%

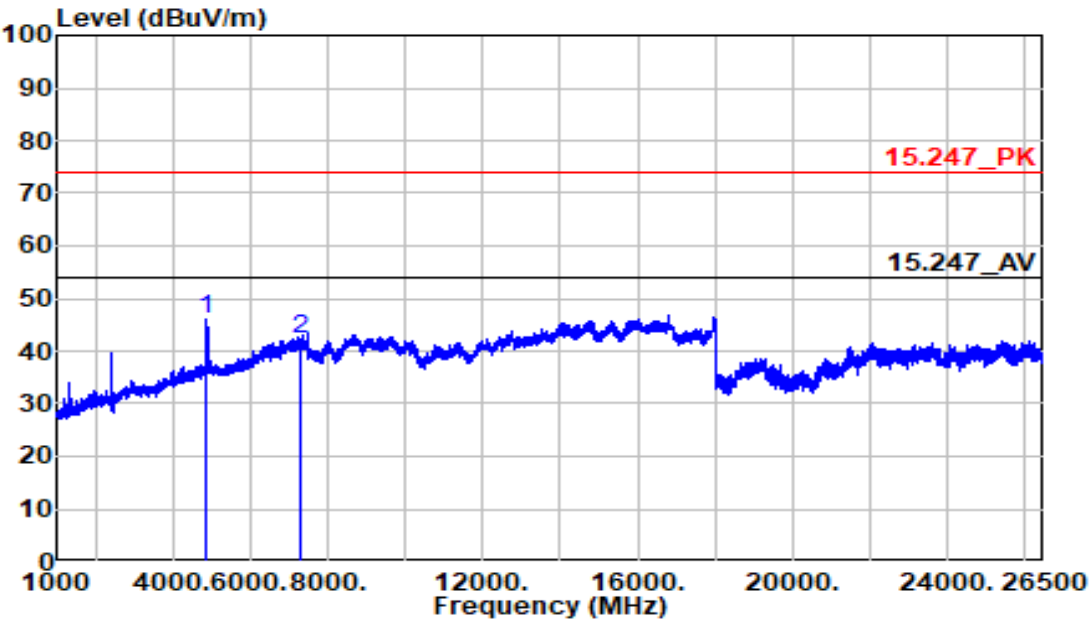
:Horizontal

:Sam Huang

:chamber B

:5Vdc from Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
4880.000	50.13	-4.12	46.01	74.00	-27.99	Peak	196	173
7320.000	40.20	2.04	42.24	74.00	-31.76	Peak	202	351



Report No.

Operation Band

Channel

Mode

Power Setting

Plane

:6128626015101

:BLE 1M

:2480 MHz

:Tx

:4

:X Plane

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-03-17

:21.9C/57%

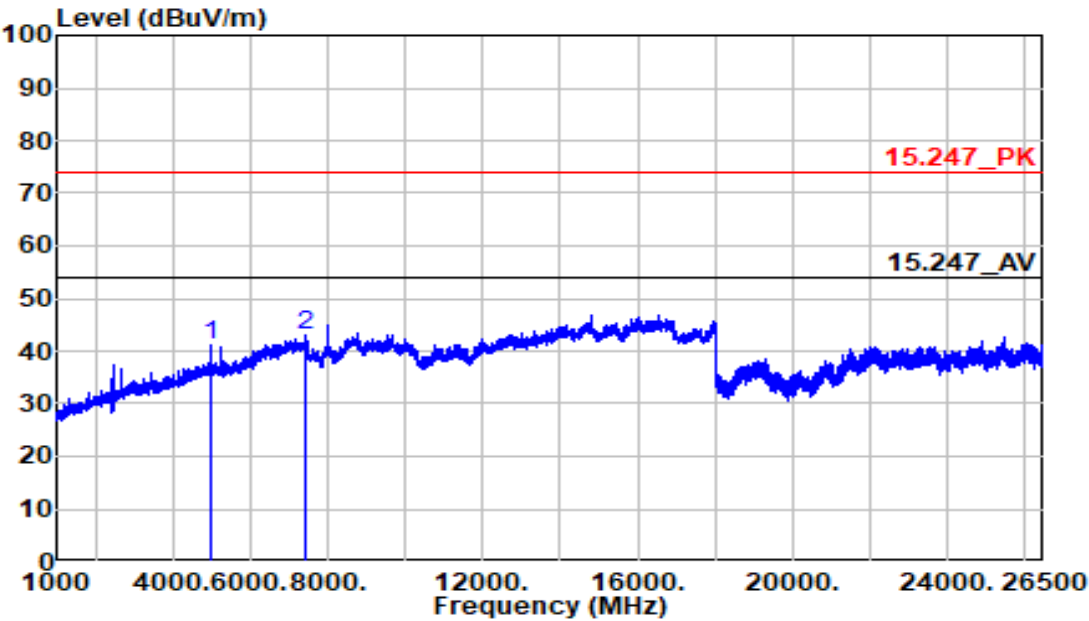
:Vertical

:Sam Huang

:chamber B

:5Vdc from Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV		dB	PK/QP/AV	CM	DEG
	dBuV		dBuV/m	dBuV/m				
4960.000	44.97	-3.91	41.06	74.00	-32.94	Peak	271	186
7440.000	40.75	2.10	42.85	74.00	-31.15	Peak	328	134



Report No.

Operation Band

Channel

Mode

Power Setting

Plane

:6128626015101

:BLE 1M

:2480 MHz

:Tx

:4

:X Plane

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-03-17

:21.9C/57%

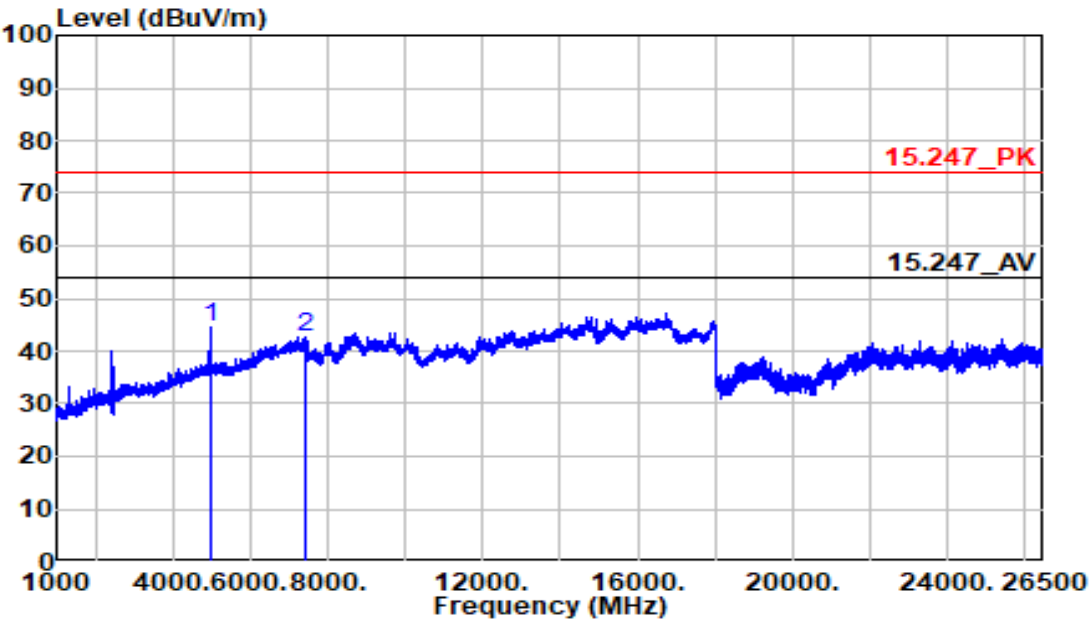
:Horizontal

:Sam Huang

:chamber B

:5Vdc from Notebook

Note :

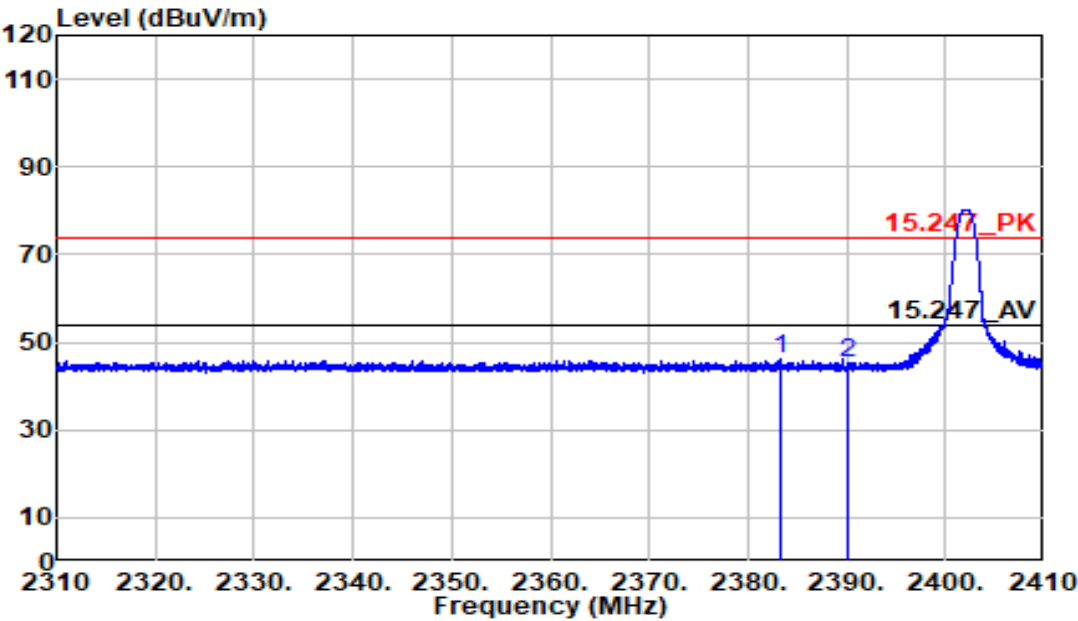


Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
4960.000	48.61	-3.91	44.70	74.00	-29.30	Peak	336	230
7440.000	40.71	2.10	42.81	74.00	-31.19	Peak	233	123



Report No.	:6128626015101	Test Date	:2026-03-17
Operation Band	:BLE 1M	Temp/Humi	:21.9C/57%
Channel	:2402 MHz	Antenna Pol	:Vertical
Mode	:Bandedge	Test Engineer	:Sam Huang
Power Setting	:4	Test Site	:chamber B
Plane	:X Plane	Voltage	:5Vdc from Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
2383.425	57.54	-11.48	46.06	74.00	-27.94	Peak	233	100
2390.000	56.53	-11.47	45.06	74.00	-28.94	Peak	233	100



Report No.

Operation Band

Channel

Mode

Power Setting

Plane

:6128626015101

:BLE 1M

:2402 MHz

:Bandedge

:4

:X Plane

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-03-17

:21.9C/57%

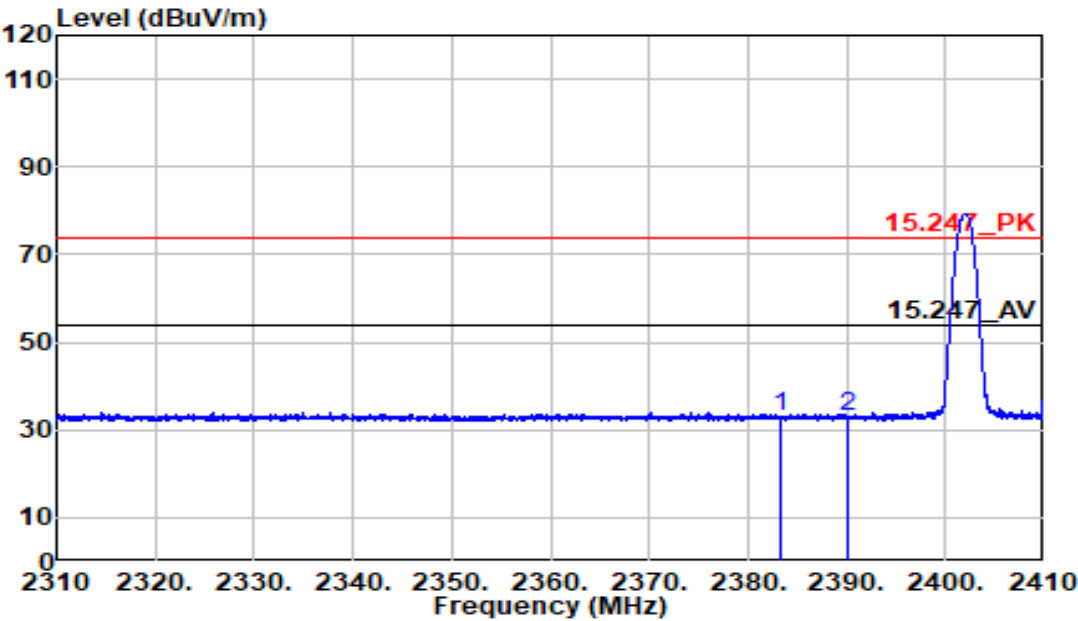
:Vertical

:Sam Huang

:chamber B

:5Vdc from Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
2383.425	44.48	-11.48	33.00	54.00	-21.00	Average	233	100
2390.000	44.32	-11.47	32.85	54.00	-21.15	Average	233	100



Report No.

Operation Band

Channel

Mode

Power Setting

Plane

:6128626015101

:BLE 1M

:2402 MHz

:Bandedge

:4

:X Plane

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-03-17

:21.9C/57%

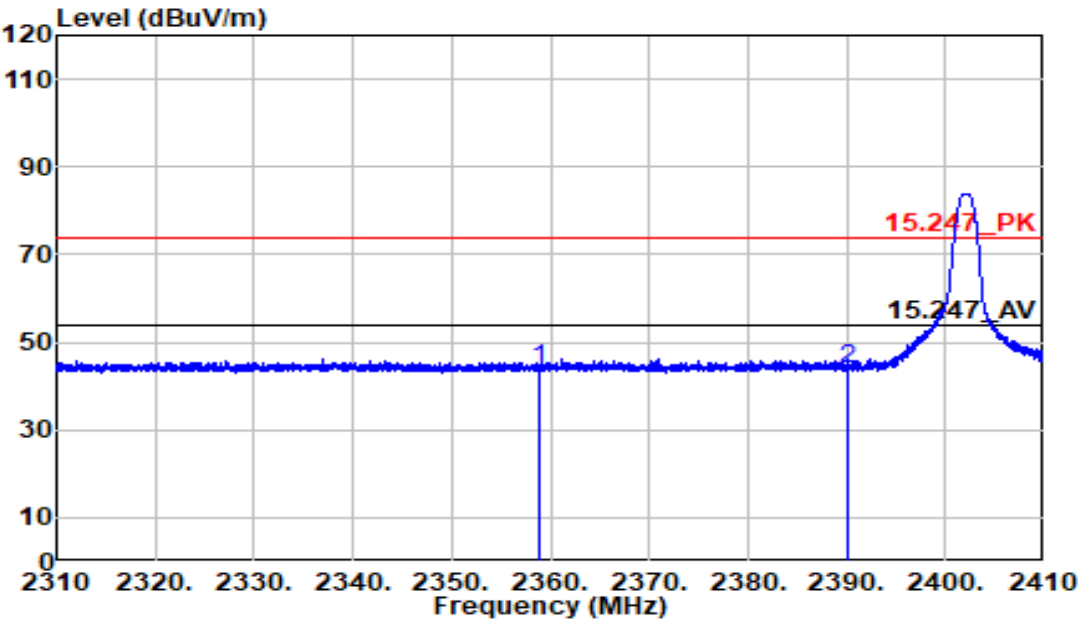
:Horizontal

:Sam Huang

:chamber B

:5Vdc from Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
2358.975	55.60	-11.53	44.06	74.00	-29.94	Peak	147	21
2390.000	55.37	-11.47	43.90	74.00	-30.10	Peak	147	21



Report No.

Operation Band

Channel

Mode

Power Setting

Plane

:6128626015101

:BLE 1M

:2402 MHz

:Bandedge

:4

:X Plane

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-03-17

:21.9C/57%

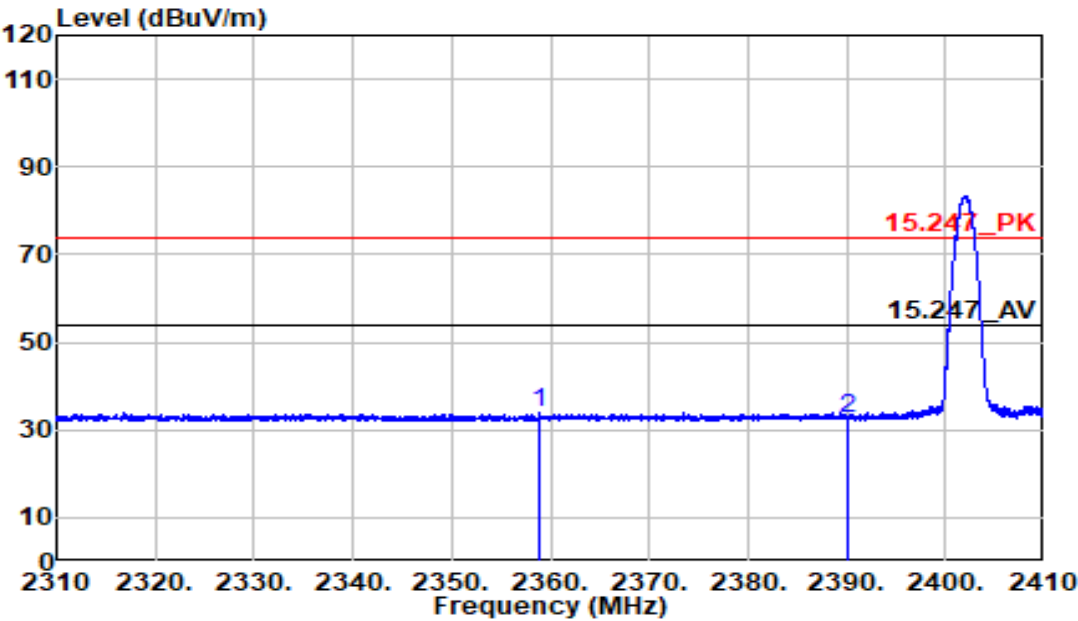
:Horizontal

:Sam Huang

:chamber B

:5Vdc from Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
2358.975	45.38	-11.53	33.84	54.00	-20.16	Average	147	21
2390.000	44.29	-11.47	32.82	54.00	-21.18	Average	147	21



Report No.

Operation Band

Channel

Mode

Power Setting

Plane

:6128626015101

:BLE 1M

:2480 MHz

:Bandedge

:4

:X Plane

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-03-17

:21.9C/57%

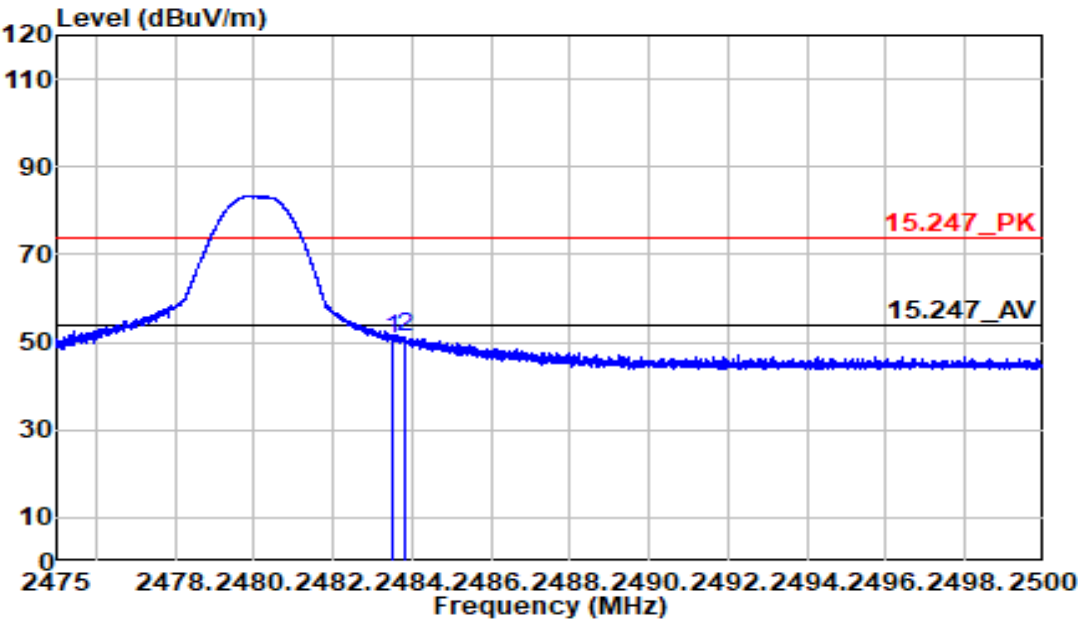
:Vertical

:Sam Huang

:chamber B

:5Vdc from Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	62.08	-11.27	50.82	74.00	-23.18	Peak	100	304
2483.806	62.63	-11.26	51.36	74.00	-22.64	Peak	100	304



Report No.

Operation Band

Channel

Mode

Power Setting

Plane

:6128626015101

:BLE 1M

:2480 MHz

:Bandedge

:4

:X Plane

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-03-17

:21.9C/57%

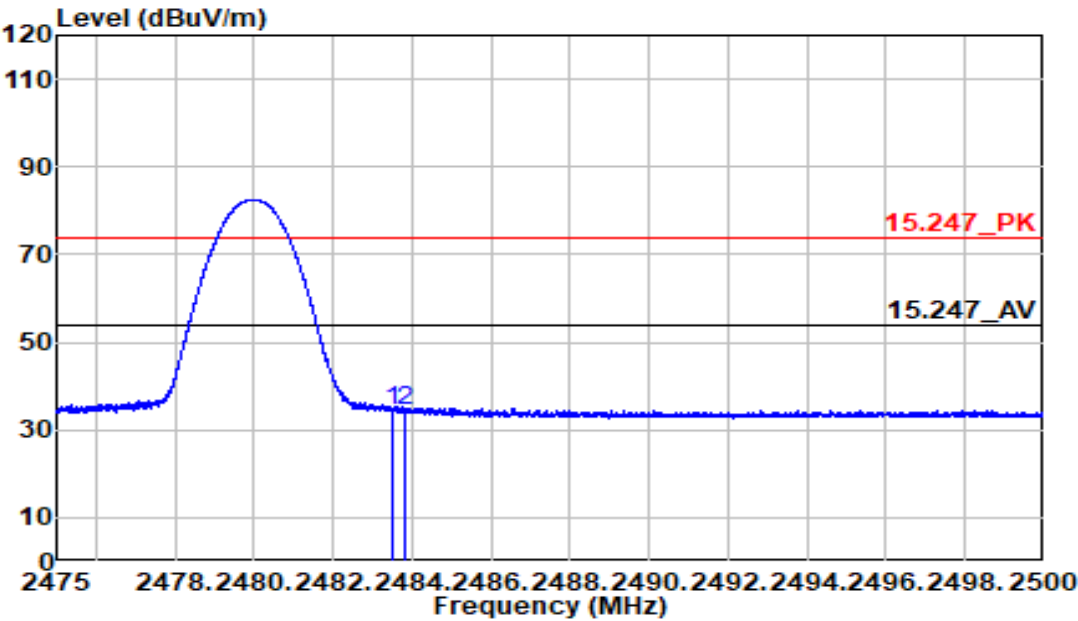
:Vertical

:Sam Huang

:chamber B

:5Vdc from Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	45.75	-11.27	34.48	54.00	-19.52	Average	100	304
2483.806	45.65	-11.26	34.38	54.00	-19.62	Average	100	304



Report No.

Operation Band

Channel

Mode

Power Setting

Plane

:6128626015101

:BLE 1M

:2480 MHz

:Bandedge

:4

:X Plane

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-03-17

:21.9C/57%

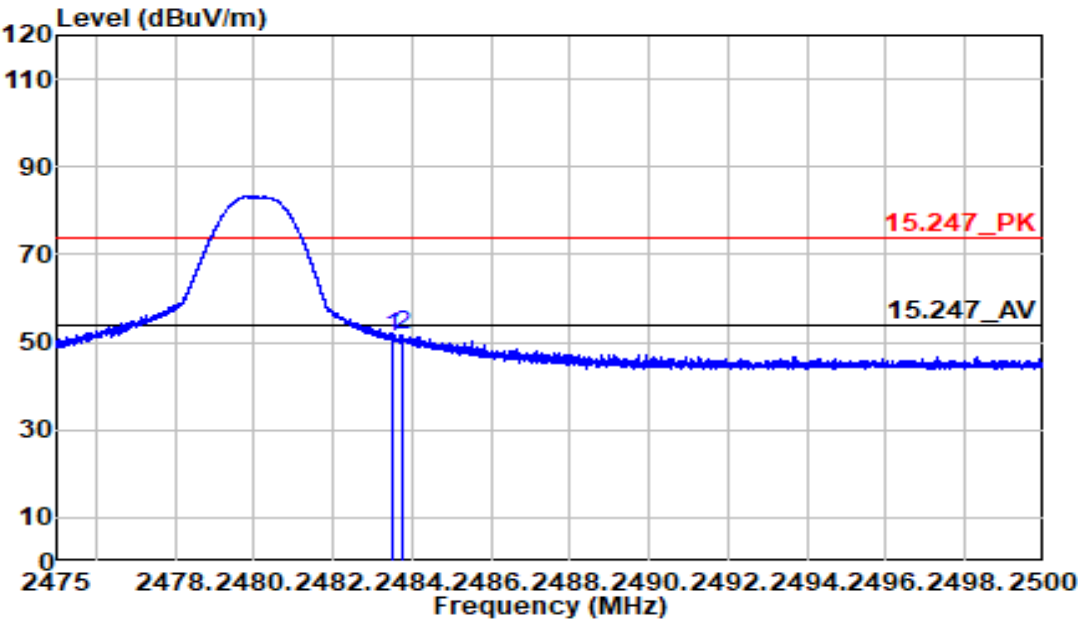
:Horizontal

:Sam Huang

:chamber B

:5Vdc from Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	62.23	-11.27	50.96	74.00	-23.04	Peak	100	221
2483.775	62.93	-11.27	51.67	74.00	-22.33	Peak	100	221



Report No.

Operation Band

Channel

Mode

Power Setting

Plane

:6128626015101

:BLE 1M

:2480 MHz

:Bandedge

:4

:X Plane

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-03-17

:21.9C/57%

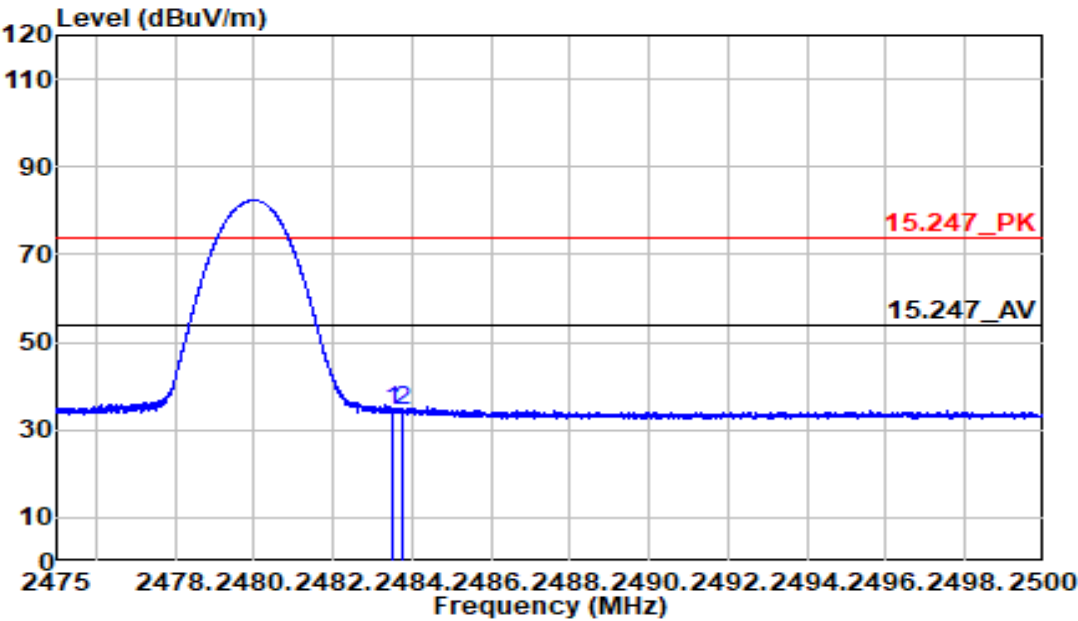
:Horizontal

:Sam Huang

:chamber B

:5Vdc from Notebook

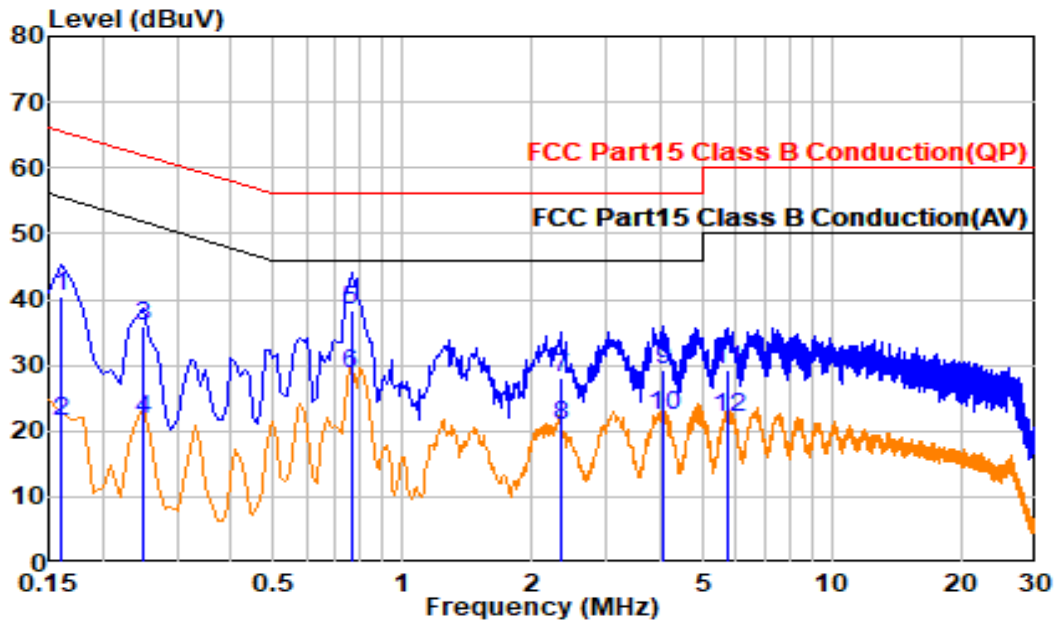
Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	45.66	-11.27	34.39	54.00	-19.61	Average	100	221
2483.775	45.48	-11.27	34.21	54.00	-19.79	Average	100	221

Appendix H. AC Power Line Conducted Emission Measurement

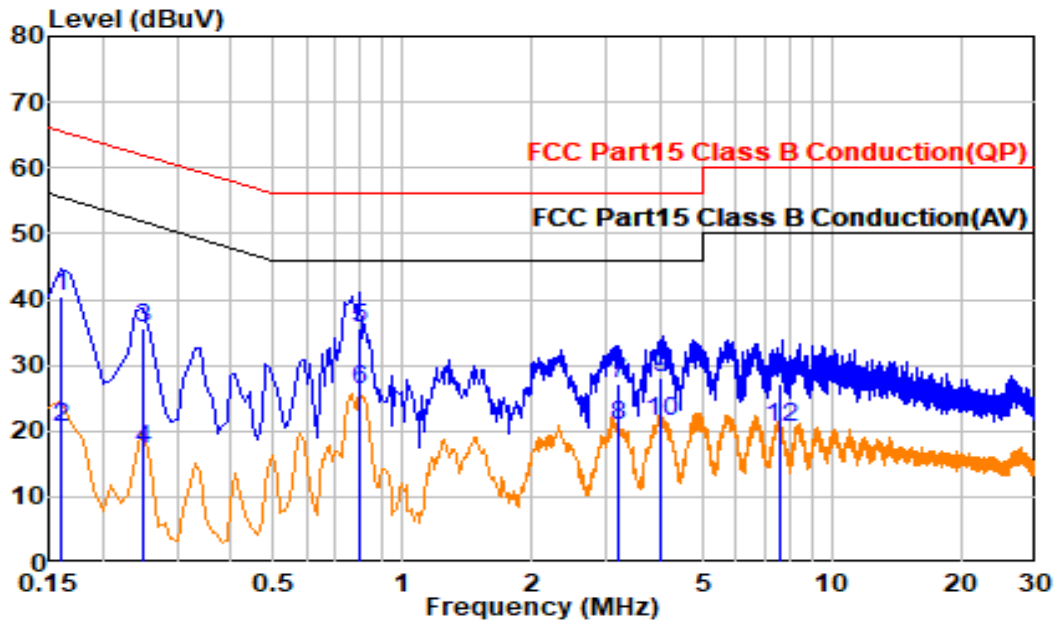
Report No.	:6128626015101	Test Date	:2026-03-18
Operation Band	:BLE	Temp/Humi	:20.3C/60%
Mode	:TX	Test Engineer	:Sam Huang
Power	:120V/60Hz	Test Site	:Shielded Room A
Condition	:Line	Note	:



Trace: 1

Freq	Read LV.	Factor	Cable Loss	LISN	Emission	Limit	Margin	Detect
MHz	dBuV	dB	dB	Factor	LV	dBuV	dB	QP/AV
0.160	30.94	9.63	0.01	9.62	40.56	65.48	-24.91	QP
0.160	11.67	9.63	0.01	9.62	21.30	55.48	-34.18	Average
0.250	26.18	9.62	0.01	9.61	35.80	61.76	-25.96	QP
0.250	12.23	9.62	0.01	9.61	21.85	51.76	-29.91	Average
0.759	28.71	9.63	0.02	9.62	38.34	56.00	-17.66	QP
0.759	19.15	9.63	0.02	9.62	28.78	46.00	-17.22	Average
2.339	18.49	9.66	0.03	9.63	28.14	56.00	-27.86	QP
2.339	11.04	9.66	0.03	9.63	20.70	46.00	-25.30	Average
4.058	19.55	9.68	0.04	9.64	29.23	56.00	-26.77	QP
4.058	12.79	9.68	0.04	9.64	22.47	46.00	-23.53	Average
5.741	19.72	9.69	0.04	9.65	29.41	60.00	-30.59	QP
5.741	12.43	9.69	0.04	9.65	22.12	50.00	-27.88	Average

Report No.	:6128626015101	Test Date	:2026-03-18
Operation Band	:BLE	Temp/Humi	:20.3C/60%
Mode	:TX	Test Engineer	:Sam Huang
Power	:120V/60Hz	Test Site	:Shielded Room A
Condition	:Neutral	Note	:



Trace: 1

Freq	Read LV.	Factor	Cable Loss	LISN Factor	Emission LV	Limit	Margin	Detect
MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	QP/AV
0.160	30.81	9.63	0.01	9.62	40.44	65.46	-25.02	QP
0.160	10.88	9.63	0.01	9.62	20.51	55.46	-34.95	Average
0.250	25.97	9.62	0.01	9.61	35.59	61.75	-26.16	QP
0.250	7.66	9.62	0.01	9.61	17.28	51.75	-34.46	Average
0.800	25.86	9.63	0.02	9.61	35.49	56.00	-20.51	QP
0.800	16.49	9.63	0.02	9.61	26.12	46.00	-19.88	Average
3.175	17.52	9.66	0.03	9.63	27.17	56.00	-28.83	QP
3.175	11.18	9.66	0.03	9.63	20.84	46.00	-25.16	Average
4.025	18.33	9.67	0.04	9.63	27.99	56.00	-28.01	QP
4.025	11.90	9.67	0.04	9.63	21.56	46.00	-24.44	Average
7.637	17.36	9.70	0.05	9.66	27.07	60.00	-32.93	QP
7.637	10.76	9.70	0.05	9.66	20.46	50.00	-29.54	Average