

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

FCC ID: 2AWUU60B5101
IC: 26271-60B5101

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RADIO TEST REPORT

FCC 47 CFR PART 15 SUBPART C

INDUSTRY CANADA RSS-247

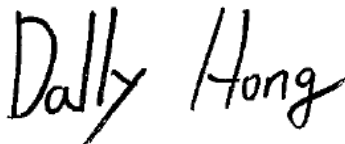
Test Standard	FCC Part 15.247 IC RSS-247 issue 4 and IC RSS-GEN issue 5
Product name	6.5 inch Indoor In-Ceiling Network Speaker
Brand Name	Verkada
Model No.	NS261-W-HW, NS261-B-HW
Test Result	Pass
Statements of Conformity	Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10-2020 (FCC), ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 (IC) and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.

The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc. (Wugu Laboratory)

Approved by:



Dally Hong
Sr. Engineer

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	July 24, 2026	Initial Issue	ALL	Peggy Tsai

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1. GENERAL INFORMATION

1.1 EUT INFORMATION

Applicant	FCC: Verkada Inc 405 E. 4th Ave. San Mateo California United States 94401 IC: Verkada, Inc. 405 E. 4th Ave. San Mateo CA 94401 United States Of America (Excluding The States Of Alaska)	
Manufacturer	Verkada Inc 405 E. 4th Ave, San Mateo, CA 94401, United States	
Equipment	6.5 inch Indoor In-Ceiling Network Speaker	
Model No. / HVIN	NS261-W-HW, NS261-B-HW	
Model Discrepancy	The differences in the model numbers listed in this report are due to color variations only.	
	Model Number	Grille Color
	NS261-W-HW	White
	NS261-B-HW	Black
Trade Name	Verkada	
Received Date	May 5, 2026	
Date of Test	May 19 ~ 27, 2026	
Power Operation	PoE, 52~57 V DC (73 W max., IEEE 802.3bt Class 8 / PoE++; 13 W max., IEEE 802.3af Class 3)	
PMN	NS261	
EUT Serial #	KTAD-93HA-CDW7	
HW Version	AMP B1	
SW Version	FW 31100	

Remark:

- For more details, please refer to the User's manual of the EUT.
- Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

1.2 EUT CHANNEL INFORMATION

Frequency Range	2402MHz-2480MHz
Modulation Type	GFSK for BLE 1 Mbps GFSK for BLE 2 Mbps
Number of channel	40 Channels

Remark:

Refer as ANSI C63.10-2020 (FCC), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024 (IC) and RSS-GEN for test channels.

Number of frequencies to be tested		
Frequency range in which device operates	Number of frequencies	Location in frequency range of operation
☐ 1 MHz or less	1	Middle
☐ 1 MHz to 10 MHz	2	1 near top and 1 near bottom
☒ More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom

1.3 ANTENNA INFORMATION

Antenna Type	☐ PIFA ☐ PCB ☒ Dipole ☐ FPC Antenna
Antenna Gain	Ant 0: 3.46 dBi Ant 1: 3.5 dBi (Worst Case)

Notes:

1.The antenna(s) of the EUT are permanently attached and there are no provisions for connection to an external antenna. So the EUT complies with the requirements of §15.203 and RSS-GEN 6.8.

1.4 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	$\pm 2.37\text{dB}$
Channel Bandwidth	$\pm 2.85\text{dB}$
RF output power (Spectrum)	$\pm 2.74\text{dB}$
RF output power (Power Meter + Power sensor)	$\pm 0.27\text{dB}$
Power Spectral density	$\pm 2.74\text{dB}$
Conducted Bandedge	$\pm 2.74\text{dB}$
Conducted Spurious Emission	$\pm 2.74\text{dB}$
Radiated Emission_9kHz-30MHz	$\pm 2.750\text{ dB}$
Radiated Emission_30MHz-200MHz	$\pm 3.874\text{ dB}$
Radiated Emission_200MHz-1GHz	$\pm 4.065\text{ dB}$
Radiated Emission_1GHz-6GHz	$\pm 5.594\text{ dB}$
Radiated Emission_6GHz-18GHz	$\pm 5.556\text{ dB}$
Radiated Emission_18GHz-26GHz	$\pm 3.165\text{ dB}$
Radiated Emission_26GHz-40GHz	$\pm 3.216\text{ dB}$

Remark:

- 1.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.

1.5 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at

☒ No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan.

CAB identifier: TW1309

Test site	Test Engineer	Remark
AC Conduction Room	Ben Yang	-
Radiation	Ben Yang	-
RF Conducted	Jerry Chang	-

Remark: The lab has been recognized as the FCC accredited lab. under the KDB 974614 D01 and is listed in the FCC pubic Access Link (PAL) database, FCC Registration No. :444940, the FCC Designation No.:TW1309

1.6 INSTRUMENT CALIBRATION

Conducted_FCC/IC/NCC (All)					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
PXA Signal Analyzer	Keysight	N9030B	MY62291089	2025-09-24	2026-09-23
Power Sensor	Anritsu	MA2411B	1911387	2025-08-21	2026-08-20
Power Sensor	Anritsu	MA2411B	1911386	2025-07-07	2026-07-06
Power Meter	Anritsu	ML2496A	2136002	2025-07-07	2026-07-06
DC Blocks	Marvelous Microwave	MVE6411	MVE-001	2025-08-06	2026-08-05
Software	Radio Test Software Ver. 21				

966A_Radiated					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Analyzer	Agilent	N9010A	MY52220817	2026-03-13	2027-03-12
Active Loop Antenna	COM-POWER	AL-130	121051	2026-02-04	2027-02-03
Thermo-Hygro Meter	HTC	HTC-1	HTC-D06	2025-05-26	2026-05-25
Bi-Log Antenna	Sunol Sciences	JB3	A030105&532	2025-06-26	2026-06-25
Preamplifier	EMEC	EM330	060609	2026-02-13	2027-02-12
Cable	Huber+Suhner	104PEA	20995+21000+182330	2025-08-06	2026-08-05
Horn Antenna	ETC	MCTD 1209	DRH13M02003	2025-12-19	2026-12-18
Preamplifier	HP	8449B	3008A00965	2025-12-17	2026-12-16
Cable	EMCI	EMC101G	1508S0193+230205+250412	2026-01-14	2027-01-13
Attenuator	Mini-Circuits	BW-S9W5	BWS9W5-09-966A-01	2026-02-05	2027-02-04
High Pass Filters	Titan Microwave	T04H30001800070S01	22011402-4	2025-06-03	2026-06-02
Pre-Amplifier	EMC	EMC184045SE	980860	2025-11-19	2026-11-18
Horn Antenna	SCHWARZBECK	BBHA9170	1047	2025-12-09	2026-12-08
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Software	e3 V9-210616c				

Remark:

- Each piece of equipment is scheduled for calibration once a year.
- N.C.R. = No Calibration Required.

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AC Mains Conduction					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI	100064	2026-05-21	2027-05-20
LISN	TESEQ	LN2-16N	22012	2026-02-04	2027-02-03
Cable	Woken	RFC-SMA-100-NMR-084SFL402	MFR-2Y194	2026-03-20	2027-03-19
Software	e3 V9-210616c				

Remark:

1. Each piece of equipment is scheduled for calibration once a year.
2. N.C.R. = No Calibration Required.

1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

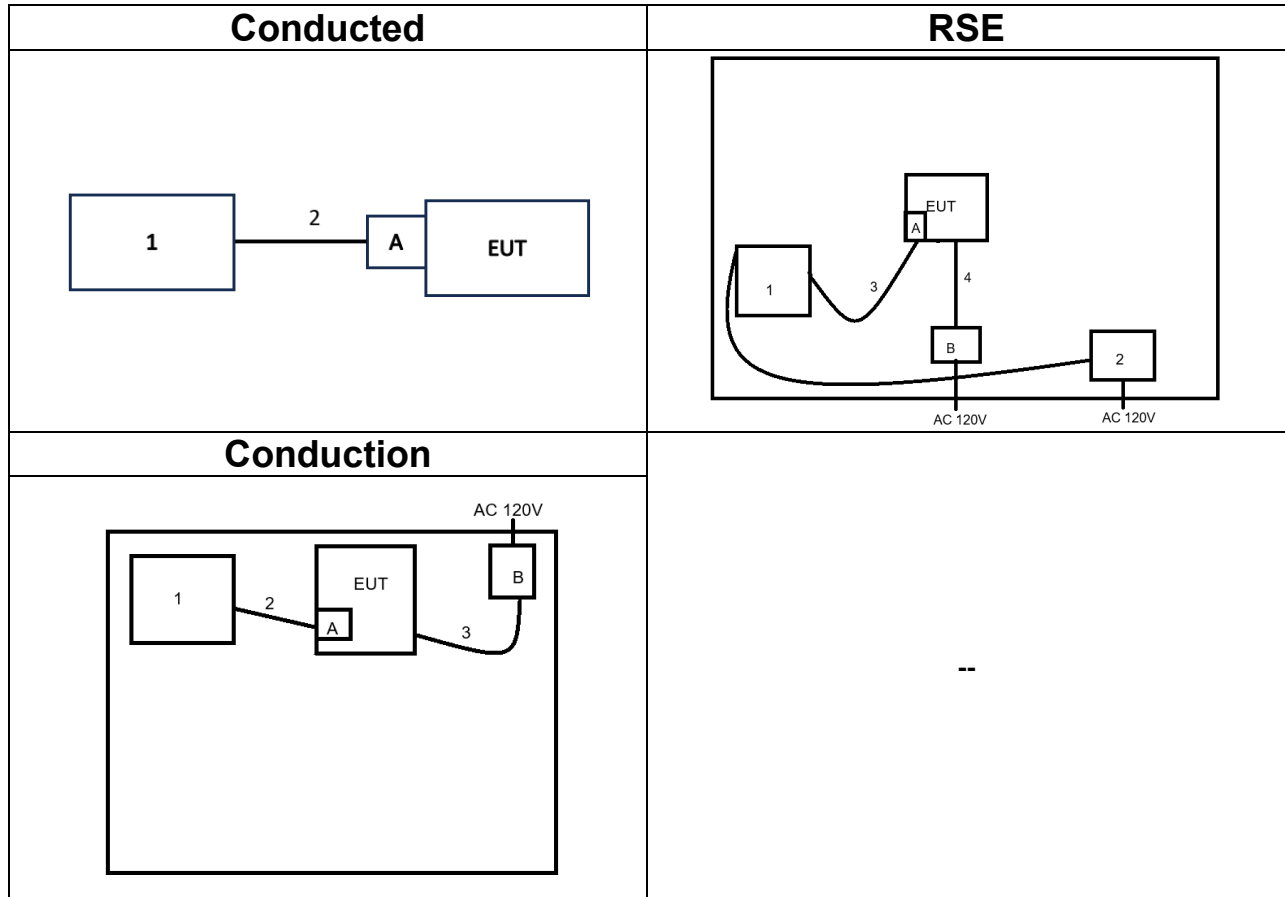
EUT Accessories Equipment						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
	N/A					

Support Equipment (Conducted)						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
1	NB(1820)	Lenovo	L480	N/A	N/A	N/A
2	USB-A to Type-C	Xiaomi	SJX10ZM	N/A	N/A	N/A
A	Test kit	N/A	N/A	N/A	N/A	N/A

Support Equipment (RSE)						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
1	NB(D)	Lenovo	ThinkPad X260	N/A	N/A	N/A
2	Adapter	Lenovo	ADLX45DLC3A	N/A	N/A	N/A
3	TypeC Cable	Xiaomi	SJX10ZM	N/A	N/A	N/A
4	RJ45	atake	AC6-FL10	N/A	N/A	N/A
A	PCB Test Board	N/A	N/A	N/A	N/A	N/A
B	POE Adapter	Verkada	POE60U-BTB	N/A	N/A	N/A

Support Equipment (Conduction)						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
1	NB	Lenovo	ThinkPad X260	N/A	N/A	N/A
2	TypeC Cable	Xiaomi	SJX10ZM	N/A	N/A	N/A
3	RJ45	atake	AC6-FL10	N/A	N/A	N/A
A	PCB Test Board	N/A	N/A	N/A	N/A	N/A
B	POE Adapter	Verkada	POE60U-BTB	N/A	N/A	N/A

1.8 TEST SET UP DIAGRAM



1.9 TEST PROGRAM

The EUT connection corresponds to the surrounding fixture control board.
This EUT use Simplicity Studio software to set the frequency, modulation and power to allow continuous transmission of the sample.

1.10 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10-2020 (FCC), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024 (IC), FCC Part 2, FCC Part 15.247, KDB 558074, RSS-247 Issue 4 and RSS-GEN Issue 5.

2. TEST SUMMERY

FCC Standard Section	IC Standard Section	Report Section	Test Item	Result
15.203	-	1.3	Antenna Requirement	Pass
15.207(a)	RSS-GEN 8.8	4.1	AC Conducted Emission	Pass
15.247(a)(2)	RSS-247(6.3.1)(a)	4.2	6 dB Bandwidth	Pass
-	RSS-GEN 6.7	4.2	Occupied Bandwidth (99%)	Pass
15.247(b)(3)	RSS-247(6.3.2)	4.3	Output Power Measurement	Pass
15.247(e)	RSS-247(6.3.1)(b)	4.4	Power Spectral Density	Pass
15.247(d)	RSS-247(6.6)	4.5	Conducted Band Edge	Pass
15.247(d)	RSS-247(6.6)	4.5	Conducted Spurious Emission	Pass
15.247(d) 15.205, 15.209	RSS-GEN 8.9, 8.10	4.6	Radiation Band Edge	Pass
15.247(d) 15.205, 15.209	RSS-GEN 8.9, 8.10	4.6	Radiation Spurious Emission	Pass

3. DESCRIPTION OF TEST MODES

3.1 THE WORST MODE OF OPERATING CONDITION

Operation mode	BLE Mode (1Mbps) BLE Mode (2Mbps)
Test Channel Frequencies	1.Lowest Channel : 2402MHz 2.Middle Channel : 2442MHz 3.Highest Channel : 2480MHz

Remark:

1. EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.

3.2 THE WORST MODE OF MEASUREMENT

AC Power Line Conduction Emission	
Test Condition	AC Power line conduction emission for line and neutral
Power supply Mode	Mode 1: EUT power by POE
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3

Radiated Emission Measurement Above 1G	
Test Condition	Radiated Emission Above 1G
Power supply Mode	Mode 1: EUT power by POE
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4
Worst Position	☐ Placed in fixed position. ☐ Placed in fixed position at X-Plane (E2-Plane) ☐ Placed in fixed position at Y-Plane (E1-Plane) ☒ Placed in fixed position at Z-Plane (H-Plane)

Radiated Emission Measurement Below 1G	
Test Condition	Radiated Emission Below 1G
Power supply Mode	Mode 1: EUT power by POE
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4

Remark:

1. The worst mode was record in this test report.
2. AC power line conducted emission were performed the EUT transmit at the highest output power channel as worse case.
3. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(X-Plane) were recorded in this report.

3.3 EUT DUTY CYCLE

Temperature: 23.8°C

Test date:

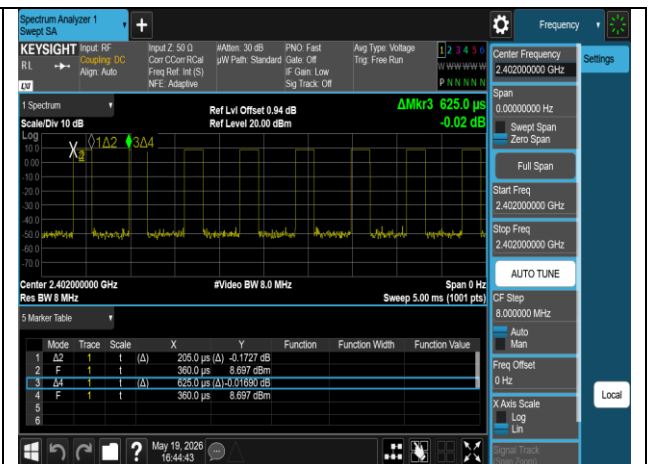
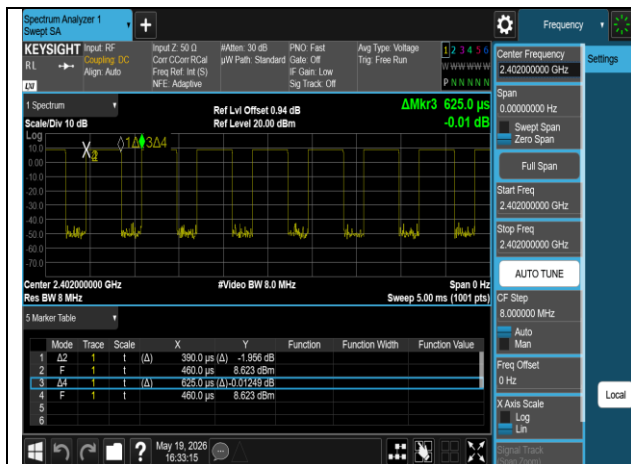
May 19, 2026

Humidity: 54% RH

Tested by:

Jerry Chang

Mode	Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) = 10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
BLE 1M	62.40	2.05	2.56	3.00
BLE 2M	32.80	4.84	4.88	5.00



4. TEST RESULT

4.1 AC POWER LINE CONDUCTED EMISSION

4.1.1 Test Limit

According to §15.207(a) and RSS-GEN section 8.8,

Frequency Range (MHz)	Limits(dBμV)	
	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

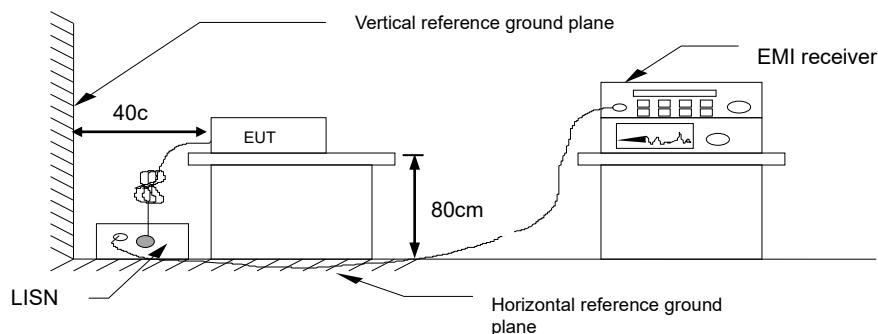
* Decreases with the logarithm of the frequency.

4.1.2 Test Procedure

Test method Refer as ANSI C63.10-2020 (FCC), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024 (IC),

1. The EUT was placed on a non-conducted table, which is 0.8m above horizontal ground plane and 0.4m above vertical ground plane.
2. EUT connected to the line impedance stabilization network (LISN)
3. Receiver set RBW of 9kHz and Detector Peak, and note as quasi-peak and average.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. Recorded Line for Neutral and Line.

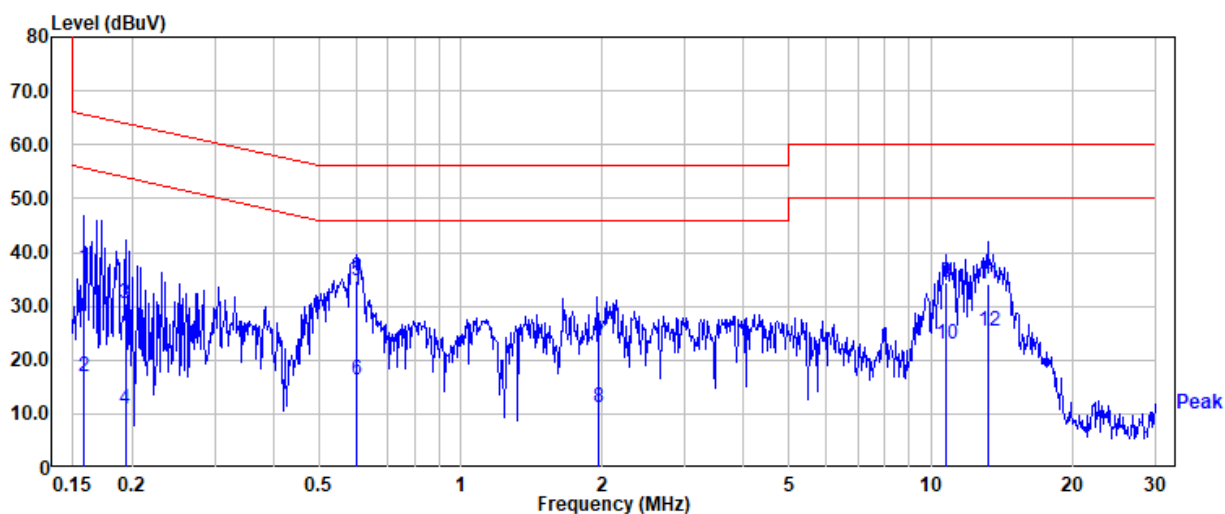
4.1.3 Test Setup



4.1.4 Test Result

Project No : TM-2605000007P
Operation Band : BLE
Test Chamber : Conduction
Probe : Line
Note :

Test Date : 2026-05-27
Temp./Humi. : 25°C / 65%
Engineer : Ben.Yang
Test Voltage : AC 120V/60Hz



Freq	Read Level	Factor	Actual FS	Limit	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV	dBuV	dB	PK/QP/AV
0.158	36.93	0.11	37.04	65.56	-28.52	QP
0.158	16.91	0.11	17.02	55.56	-38.54	Average
0.194	30.28	0.09	30.37	63.87	-33.50	QP
0.194	10.84	0.09	10.93	53.87	-42.94	Average
0.600	34.71	0.08	34.79	56.00	-21.21	QP
0.600	16.16	0.08	16.24	46.00	-29.76	Average
1.961	22.65	0.12	22.77	56.00	-33.23	QP
1.961	10.97	0.12	11.09	46.00	-34.91	Average
10.777	34.16	0.26	34.42	60.00	-25.58	QP
10.777	22.66	0.26	22.92	50.00	-27.08	Average
13.272	33.87	0.29	34.16	60.00	-25.84	QP
13.272	25.21	0.29	25.50	50.00	-24.50	Average

Note: 1. Actual FS= Spectrum Read Level + Factor

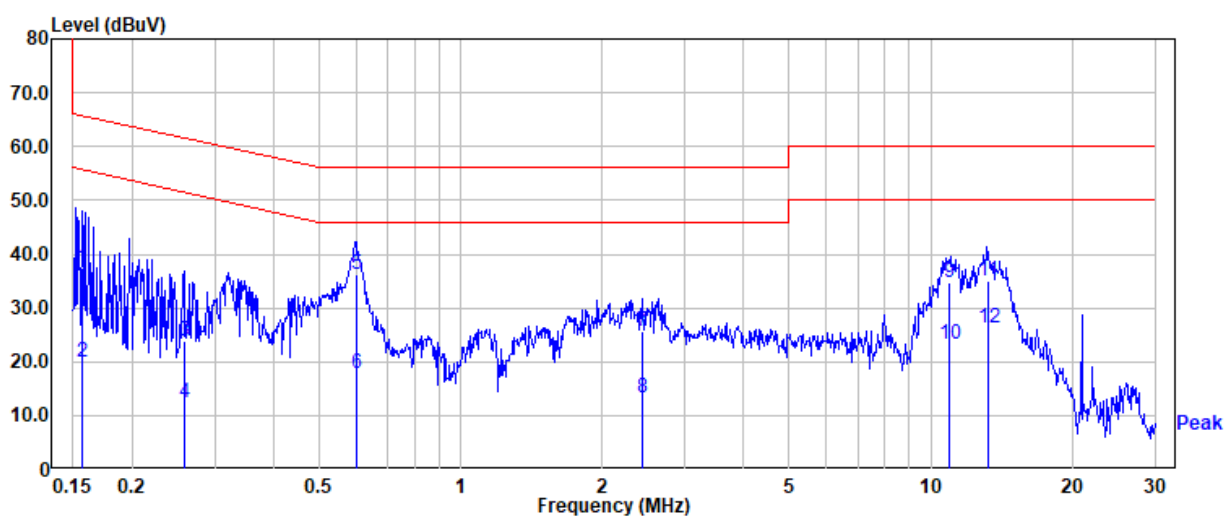
Note: 2. Margin= Actual FS - Limit

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Project No : TM-2605000007P
Operation Band : BLE
Test Chamber : Conduction
Probe : Neutral
Note :

Test Date : 2026-05-27
Temp./Humi. : 25°C / 65%
Engineer : Ben.Yang
Test Voltage : AC 120V/60Hz



Freq	Read Level	Factor	Actual FS	Limit	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV	dBuV	dB	PK/QP/AV
0.157	37.19	0.12	37.31	65.61	-28.30	QP
0.157	19.77	0.12	19.89	55.61	-35.72	Average
0.259	23.84	0.11	23.95	61.46	-37.51	QP
0.259	12.30	0.11	12.41	51.46	-39.05	Average
0.602	36.00	0.10	36.10	56.00	-19.90	QP
0.602	17.80	0.10	17.90	46.00	-28.10	Average
2.443	25.51	0.14	25.65	56.00	-30.35	QP
2.443	13.04	0.14	13.18	46.00	-32.82	Average
10.967	34.35	0.26	34.61	60.00	-25.39	QP
10.967	23.10	0.26	23.36	50.00	-26.64	Average
13.224	34.81	0.29	35.10	60.00	-24.90	QP
13.224	26.06	0.29	26.35	50.00	-23.65	Average

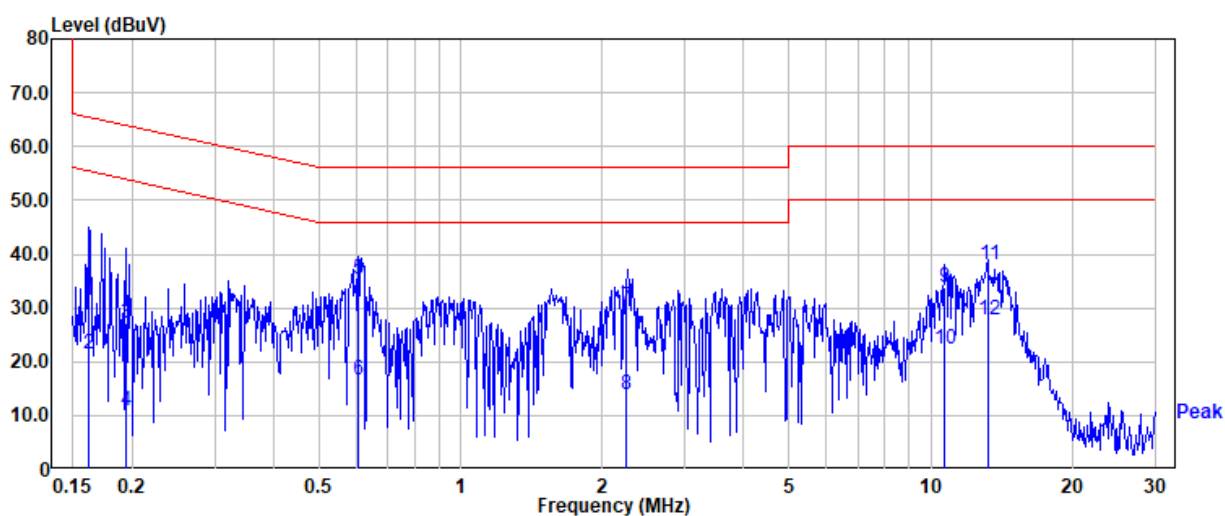
Note: 1. Actual FS= Spectrum Read Level + Factor
Note: 2. Margin= Actual FS - Limit

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Project No : TM-2605000007P
Operation Band : BLE
Test Chamber : Conduction
Probe : Line
Note :

Test Date : 2026-05-27
Temp./Humi. : 25°C / 65%
Engineer : Ben.Yang
Test Voltage : AC 230V/60Hz



Freq	Read Level	Factor	Actual FS	Limit	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV	dBuV	dB	PK/QP/AV
0.162	31.25	0.11	31.36	65.35	-33.99	QP
0.162	21.25	0.11	21.36	55.35	-33.99	Average
0.195	27.15	0.09	27.24	63.82	-36.58	QP
0.195	10.90	0.09	10.99	53.82	-42.83	Average
0.605	35.18	0.08	35.26	56.00	-20.74	QP
0.605	16.51	0.08	16.59	46.00	-29.41	Average
2.259	30.08	0.12	30.20	56.00	-25.80	QP
2.259	13.87	0.12	13.99	46.00	-32.01	Average
10.733	33.45	0.26	33.71	60.00	-26.29	QP
10.733	22.18	0.26	22.44	50.00	-27.56	Average
13.306	37.79	0.29	38.08	60.00	-21.92	QP
13.306	27.41	0.29	27.70	50.00	-22.30	Average

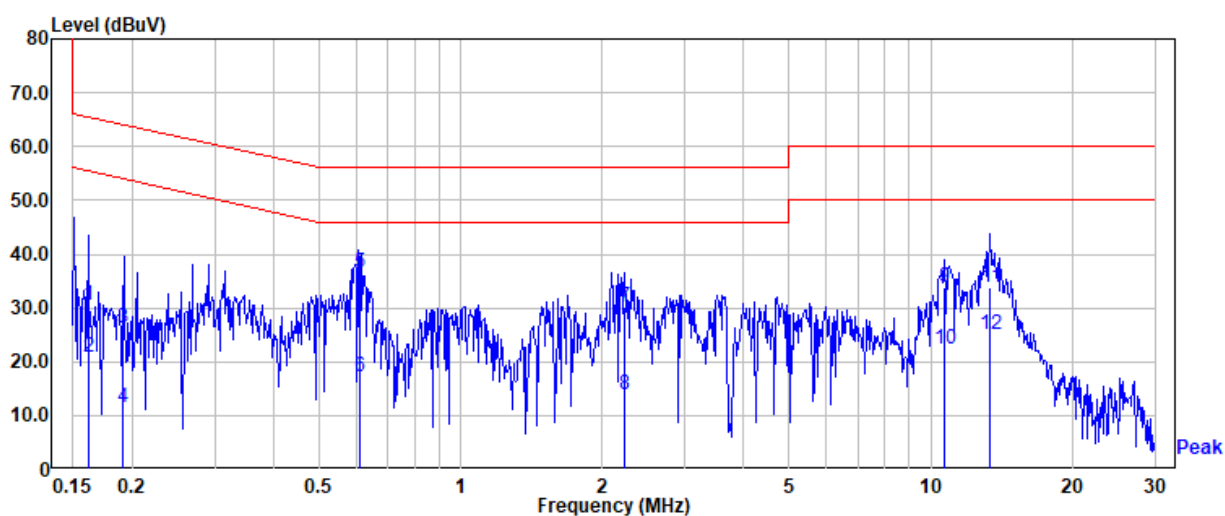
Note: 1. Actual FS= Spectrum Read Level + Factor
Note: 2. Margin= Actual FS - Limit

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Project No : TM-2605000007P
Operation Band : BLE
Test Chamber : Conduction
Probe : Neutral
Note :

Test Date : 2026-05-27
Temp./Humi. : 25°C / 65%
Engineer : Ben.Yang
Test Voltage : AC 230V/60Hz



Freq	Read Level	Factor	Actual FS	Limit	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV	dBuV	dB	PK/QP/AV
0.162	30.23	0.12	30.35	65.38	-35.03	QP
0.162	20.75	0.12	20.87	55.38	-34.51	Average
0.192	26.11	0.11	26.22	63.96	-37.74	QP
0.192	11.28	0.11	11.39	53.96	-42.57	Average
0.609	36.49	0.10	36.59	56.00	-19.41	QP
0.609	17.21	0.10	17.31	46.00	-28.69	Average
2.237	30.07	0.14	30.21	56.00	-25.79	QP
2.237	13.65	0.14	13.79	46.00	-32.21	Average
10.726	33.43	0.26	33.69	60.00	-26.31	QP
10.726	22.11	0.26	22.37	50.00	-27.63	Average
13.400	33.64	0.29	33.93	60.00	-26.07	QP
13.400	24.64	0.29	24.93	50.00	-25.07	Average

Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS - Limit

4.2 6dB BANDWIDTH AND OCCUPIED BANDWIDTH(99%)

4.2.1 Test Limit

According to §15.247(a)(2) and RSS-247 section 6.3.1 (a),

6 dB Bandwidth :

Limit	Shall be at least 500kHz
-------	--------------------------

Occupied Bandwidth(99%) : For reporting purposes only.

4.2.2 Test Procedure

FCC:

Test method Refer as KDB 558074 D01 and ANSI C63.10-2020,

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW = 100kHz, VBW = 300kHz and Detector = Peak, to measurement 6 dB Bandwidth.
4. SA set RBW = 1% ~ 5% OBW, VBW = three times the RBW and Detector = Peak, to measurement 99% Bandwidth
5. Measure and record the result of 6 dB Bandwidth and 99% Bandwidth. in the test report.

IC:

Test method Refer as KDB 558074 D01 and ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024,

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW = 1% ~ 5% OBW, VBW = three times the RBW and Detector = Peak, to measurement 99% Bandwidth and 6 dB Bandwidth.
4. Measure and record the result of 6 dB Bandwidth and 99% Bandwidth. in the test report.

4.2.3 Test Setup

Refer to section 1.8.

4.2.4 Test Result

Temperature: 23.8°C Test date: May 19, 2026
Humidity: 54% RH Tested by: Jerry Chang

6dB BANDWIDTH

BLE 1M mode

Frequency (MHz)	6dB BW (MHz)	Required BW (MHz)	Result
2402	0.7105	≥ 0.5	PASS
2442	0.7047	≥ 0.5	PASS
2480	0.6973	≥ 0.5	PASS

BLE 2M mode

Frequency (MHz)	6dB BW (MHz)	Required BW (MHz)	Result
2402	1.097	≥ 0.5	PASS
2442	1.095	≥ 0.5	PASS
2480	1.093	≥ 0.5	PASS

BANDWIDTH 99%

BLE 1M mode

Frequency (MHz)	99%Bandwidth (MHz)
2402	1.0270
2442	1.0269
2480	1.0216

BLE 2M mode

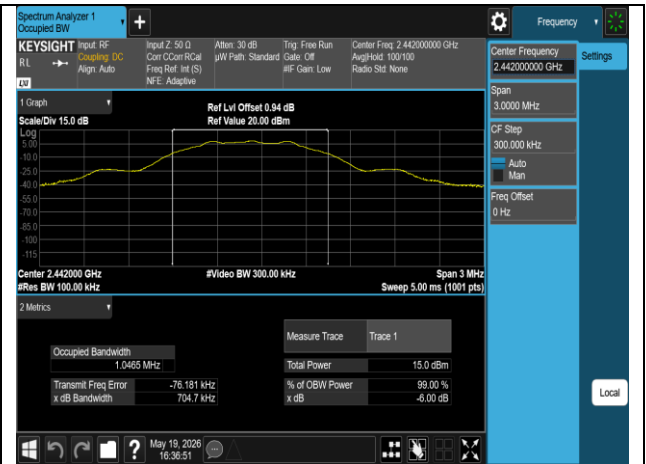
Frequency (MHz)	99%Bandwidth (MHz)
2402	2.0609
2442	2.0662
2480	2.0688

Test Data

6dB BANDWIDTH



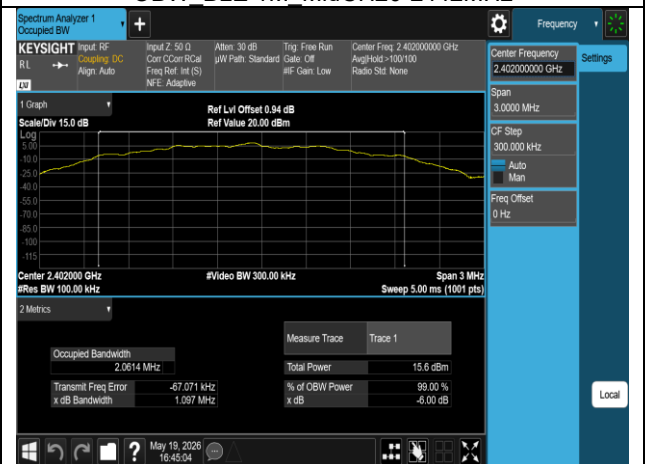
OBW BLE 1M LowCH00-2402MHz



OBW BLE 1M MidCH20-2442MHz



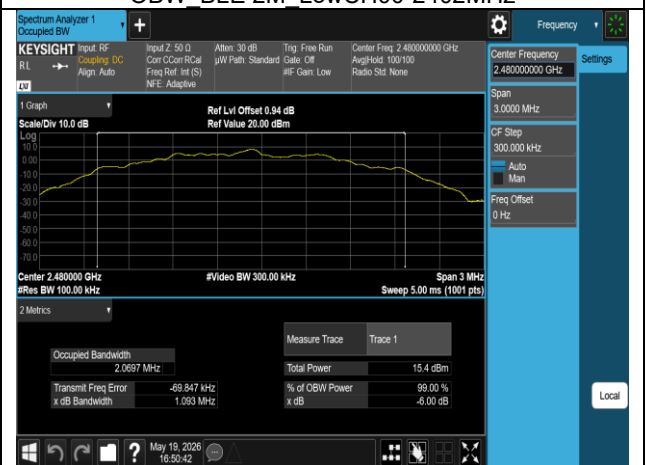
OBW BLE 1M HighCH39-2480MHz



OBW BLE 2M LowCH00-2402MHz

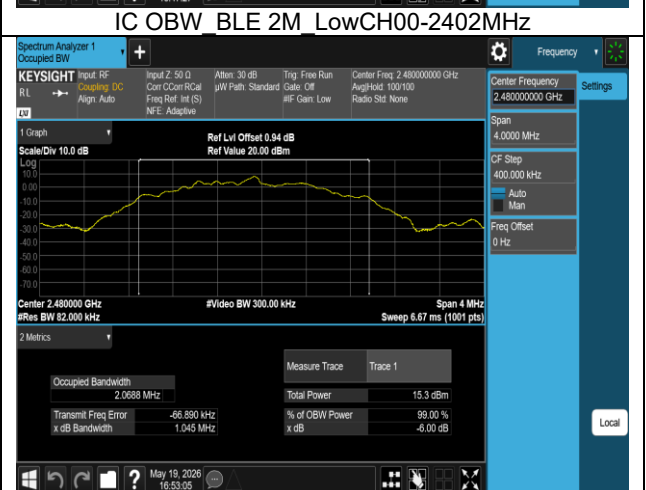
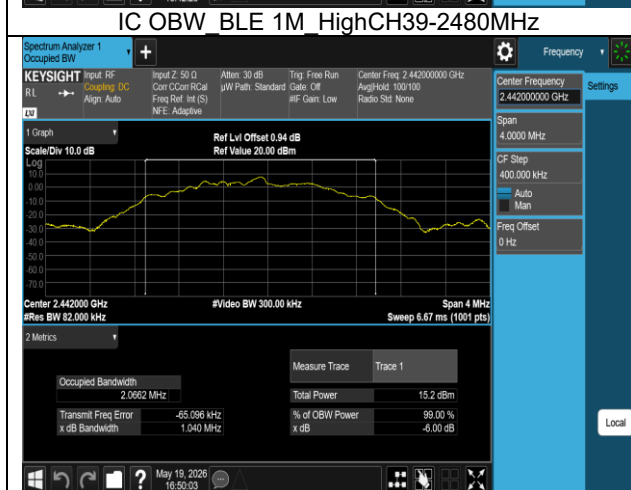
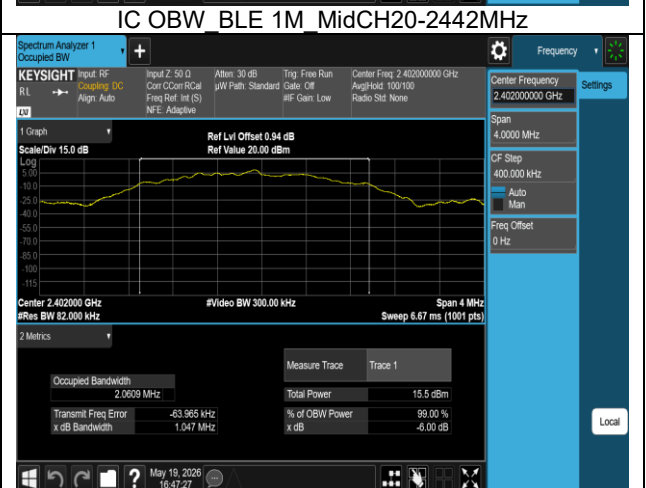
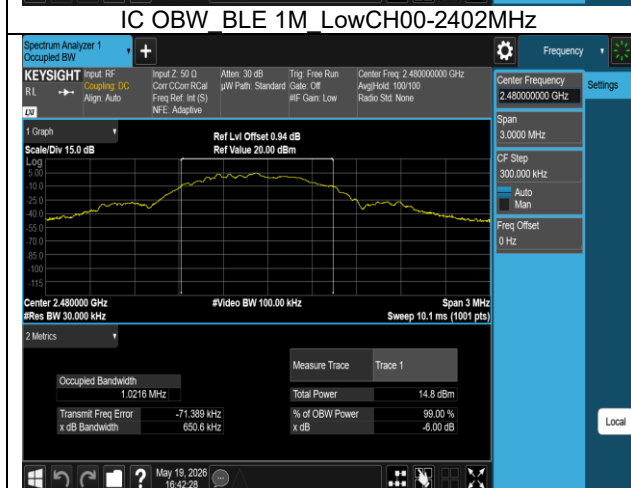


OBW BLE 2M MidCH20-2442MHz



OBW BLE 2M HighCH39-2480MHz

BANDWIDTH 99%



4.3 OUTPUT POWER MEASUREMENT

4.3.1 Test Limit

According to §15.247(b)(3) and RSS-247 section 6.3.2,

Peak output power :

FCC

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.

IC

For DTS operating in the band 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1W, and the e.i.r.p. shall not exceed 4 W, except as provided in section 6.5 a) and b).

As an alternative to a peak power measurement, compliance can be based on a measurement of the maximum conducted output power.

Limit	☒ Antenna not exceed 6 dBi : 30dBm ☐ Antenna with DG greater than 6 dBi [Limit = 30 – (DG – 6)] ☐ Point-to-point operation
-------	---

Average output power : For reporting purposes only.

4.3.2 Test Procedure

Test method Refer as KDB 558074 D01

1. The EUT RF output connected to the power meter by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Peak output power and Average output power. in the test report.

4.3.3 Test Setup

Refer to section 1.8.

4.3.4 Test Result

Temperature: 23.8°C Test date: May 19, 2026
Humidity: 54% RH Tested by: Jerry Chang

Peak & Average output power :

BLE 1M mode:

CH	Frequency (MHz)	Power Setting	Peak Output Power (dBm)	Required Limit (dBm)
0	2402	10	8.38	30
20	2442	10	8.34	30
39	2480	10	8.26	30
CH	Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Required Limit (dBm)
0	2402	10	8.34	30
20	2442	10	8.29	30
39	2480	10	8.22	30

***Note:**

1. Measured by power meter, cable loss 0.94 dB + Duty cycle factor has been offsetted to the power meter for Avg. power and cable loss has been offsetted for Peak power measurement.

BLE 2M mode:

CH	Frequency (MHz)	Power Setting	Peak Output Power (dBm)	Required Limit (dBm)
0	2402	10	8.38	30
20	2442	10	8.33	30
39	2480	10	8.27	30
CH	Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Required Limit (dBm)
0	2402	10	8.34	30
20	2442	10	8.29	30
39	2480	10	8.23	30

***Note:**

1. Measured by power meter, cable loss 0.94 dB + Duty cycle factor has been offsetted to the power meter for Avg. power and cable loss has been offsetted for Peak power measurement.

EIRP Power:

EIRP BLE 1M mode

CH	Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit
0	2402	10	8.34	3.50	11.84	4W= 36 dBm
20	2442	10	8.29	3.50	11.79	4W= 36 dBm
39	2480	10	8.22	3.50	11.72	4W= 36 dBm

* **Note:** EIRP = Average Power + Gain

EIRP BLE 2M mode

CH	Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit
0	2402	10	8.34	3.50	11.84	4W= 36 dBm
20	2442	10	8.29	3.50	11.79	4W= 36 dBm
39	2480	10	8.23	3.50	11.73	4W= 36 dBm

* **Note:** EIRP = Average Power + Gain

4.4 POWER SPECTRAL DENSITY

4.4.1 Test Limit

According to §15.247(e) and RSS-247 section 6.3.1 (b),

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

Limit	☒ Antenna not exceed 6 dBi : 8dBm ☐ Antenna with DG greater than 6 dBi [Limit = 8 – (DG – 6)] ☐ Point-to-point operation :
-------	---

4.4.2 Test Procedure

Test method Refer as KDB 558074 D01

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW = 3kHz, VBW = 10kHz, Span = 1.5 times DTS Bandwidth (6 dB BW), Detector = Peak, Sweep Time = Auto and Trace = Max hold.
4. The path loss was compensated to the results for each measurement by SA.
5. Mark the maximum level.
6. Measure and record the result of power spectral density. in the test report.

4.4.3 Test Setup

Refer to section 1.8.

4.4.4 Test Result

Temperature: 23.8°C Test date: May 19, 2026
Humidity: 54% RH Tested by: Jerry Chang

BLE 1M mode

Frequency (MHz)	RF Power Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2402	-6.60	8	PASS
2442	-6.83	8	PASS
2480	-6.74	8	PASS

***Note:**

1.cable loss as 0.94 dB that offsets in the spectrum

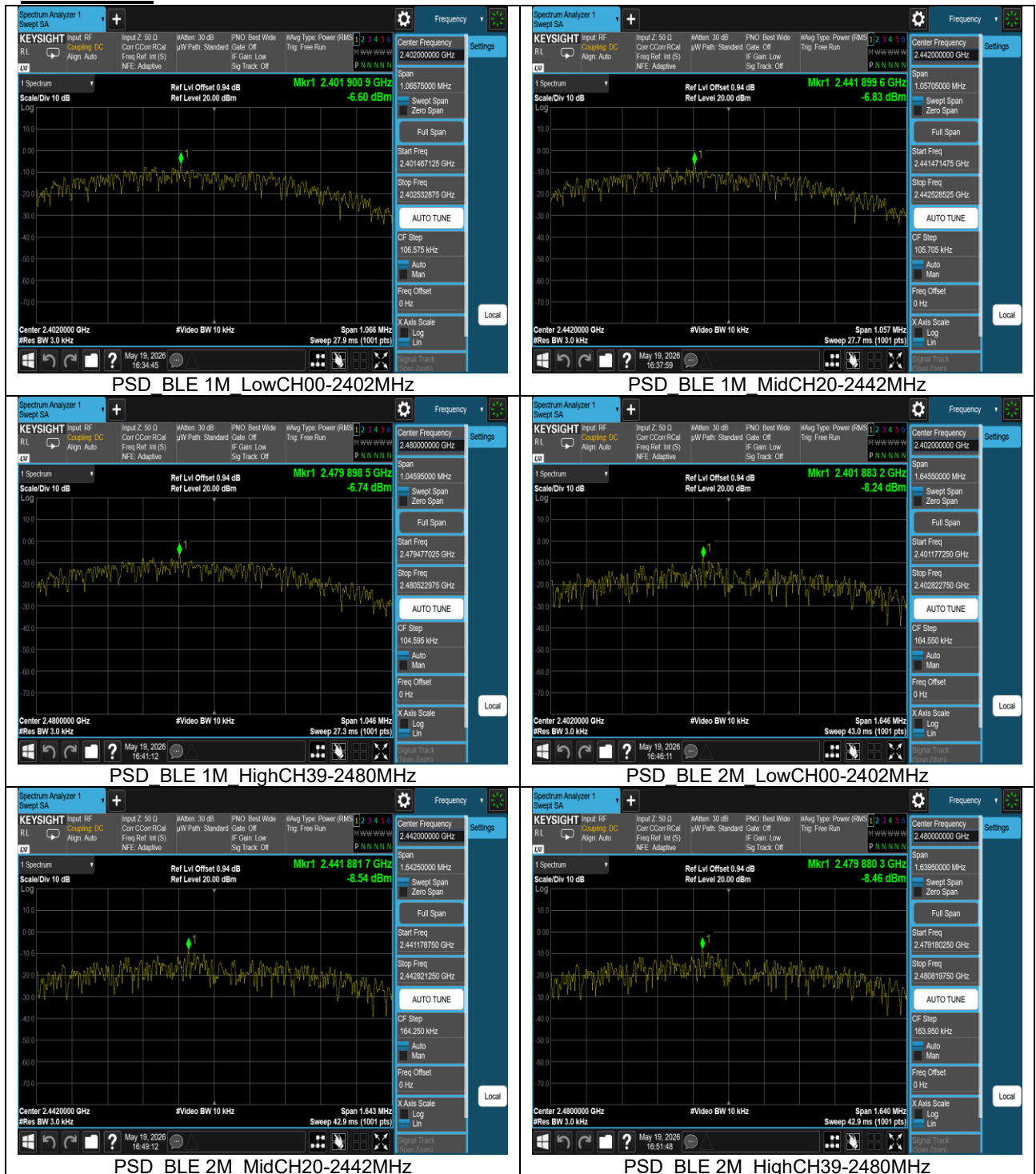
BLE 2M mode

Frequency (MHz)	RF Power Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2402	-8.24	8	PASS
2442	-8.54	8	PASS
2480	-8.46	8	PASS

***Note:**

1.cable loss as 0.94 dB that offsets in the spectrum

Test Data



4.5 CONDUCTED BAND EDGE AND SPURIOUS EMISSION

4.5.1 Test Limit

According to §15.247(d) and RSS-247 section 6.6,

FCC: In any 100 kHz bandwidth outside the authorized frequency band, Non-restricted bands shall be attenuated at least 20 dB/30 dB relative to the maximum PSD level in 100 kHz by RF conducted or a radiated measurement which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

IC: In any 100 kHz bandwidth outside the frequency band in which the spread spectrum device, digitally modulated device, or hybrid system is operating, the RF power that is produced 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 that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 6.3.2, the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

4.5.2 Test Procedure

Test method Refer as KDB 558074 D01

1. EUT RF output port connected to the SA by RF cable, and the path loss was compensated to result.
2. SA setting, RBW=100kHz, VBW=300kHz, Detector=Peak, Trace mode = max hold, SWT = Auto.
3. In any 100 kHz bandwidth outside the authorized frequency band, shall be attenuated at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when conducted power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

4.5.3 Test Setup

Refer to section 1.8.

4.5.4 Test Result

Temperature:	23.8°C	Test date:	May 19, 2026
Humidity:	54% RH	Tested by:	Jerry Chang

Test Data Reference Level



Band Edge



Band Edge BLE 1M LowCH00-2402MHz



Band Edge BLE 1M HighCH39-2480MHz

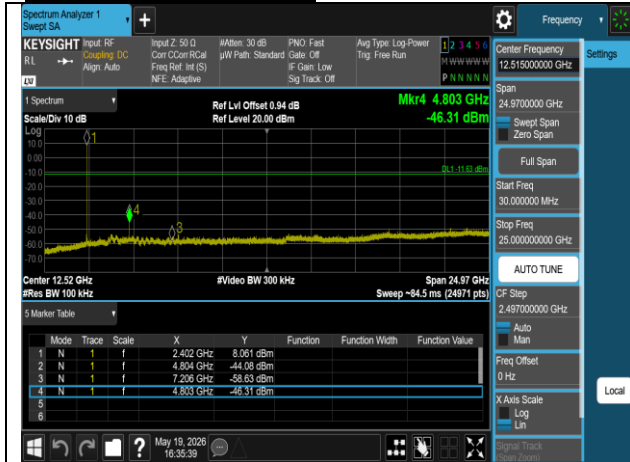


Band Edge BLE 2M LowCH00-2402MHz



Band Edge BLE 2M HighCH39-2480MHz

Spurious Emission



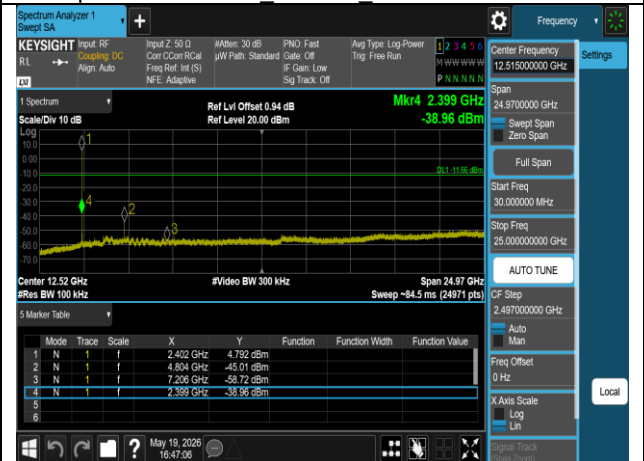
Spurious Emission BLE 1M LowCH00-2402MHz



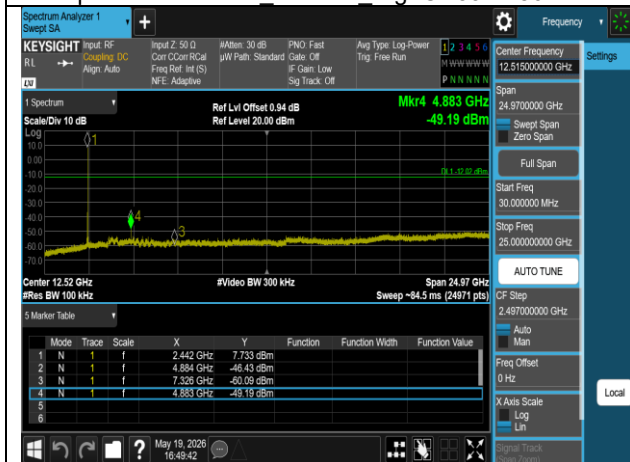
Spurious Emission BLE 1M MidCH20-2442MHz



Spurious Emission BLE 1M HighCH39-2480MHz



Spurious Emission BLE 2M LowCH00-2402MHz



Spurious Emission BLE 2M MidCH20-2442MHz



Spurious Emission BLE 2M HighCH39-2480MHz

4.6 RADIATION BANDEDGE AND SPURIOUS EMISSION

4.6.1 Test Limit

FCC according to §15.247(d), §15.209 and §15.205,

In any 100 kHz bandwidth outside the authorized frequency band, all harmonic and spurious must be least 20 dB below the highest emission level with the authorized frequency band. Radiation emission which fall in the restricted bands must also follow the FCC section 15.209 as below limit in table.

Below 30 MHz

Frequency	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/F (F in kHz)	300
490-1,705 kHz	24,000/F (F in kHz)	24,000/F (F in kHz)	30
1.705-30 MHz	30	N/A	30

Above 30 MHz

Frequency (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

Remark:

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

IC according to RSS-Gen, Section 8.9 and 8.10

RSS-Gen Table 3 and Table 5 – General Field Strength Limits for Transmitters and Receivers at Frequencies Above 30 MHz ^(Note)

Frequency (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

Note: Measurements for compliance with the limits in table 3 may be performed at distances other than 3 metres, in accordance with Section 6.6.

RSS-Gen Table 6: General Field Strength Limits for Transmitters at Frequencies Below 30 MHz (Transmit)

Frequency	Magnetic field strength (H-Field) (μA/m)	Measurement Distance (m)
9-490 kHz ^{Note}	6.37/F (F in kHz)	300
490-1,705 kHz	63.7/F (F in kHz)	30
1.705-30 MHz	0.08	30

Note: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

4.6.2 Test Procedure

1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10-2020 (FCC), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024 (IC), and the EUT set in a continuous mode.

2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.

3. Span shall wide enough to full capture the emission measured. The SA from 9KHz to 26.5GHz set to the low, Mid and High channels with the EUT transmit.

4. No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz).

Radiated emission below 30MHz is measured in a 9m*6m*6m semi-ane choic chamber, the measurements correspond to those obtained at an open-field test site. There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

5. The SA setting following :

(1) Below 30MHz :

(1.1) 9KHz-490KHz : RBW=200Hz / VBW=1kHz / Sweep=AUTO

(1.2) 490KHz-30MHz : RBW=10kHz / VBW=30kHz / Sweep=AUTO

(2) 30MHz to 1GHz : RBW = 100kHz, VBW $\geq 3 \times$ RBW, Sweep = Auto,

Detector = Peak, Trace = Max hold.

(3) Above 1GHz :

(3.1) For Peak measurement : RBW = 1MHz, VBW $\geq 3 \times$ RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.

(3.2) For Average measurement : RBW = 1MHz, VBW

·If Duty Cycle $\geq 98\%$, VBW=10Hz.

·If Duty Cycle $< 98\%$, VBW=1/T.

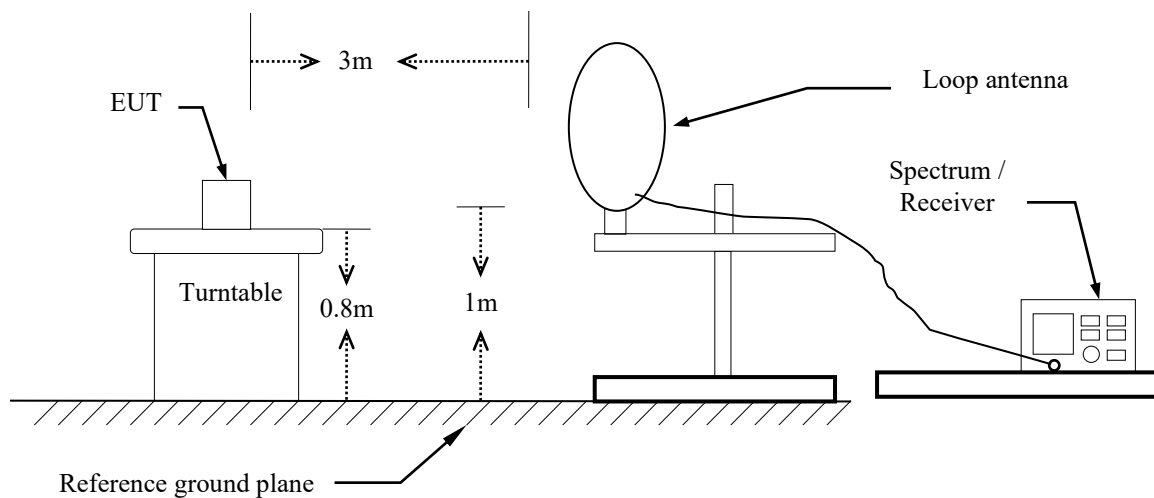
6. Data result :

Actual FS=Spectrum Reading Level + Factor

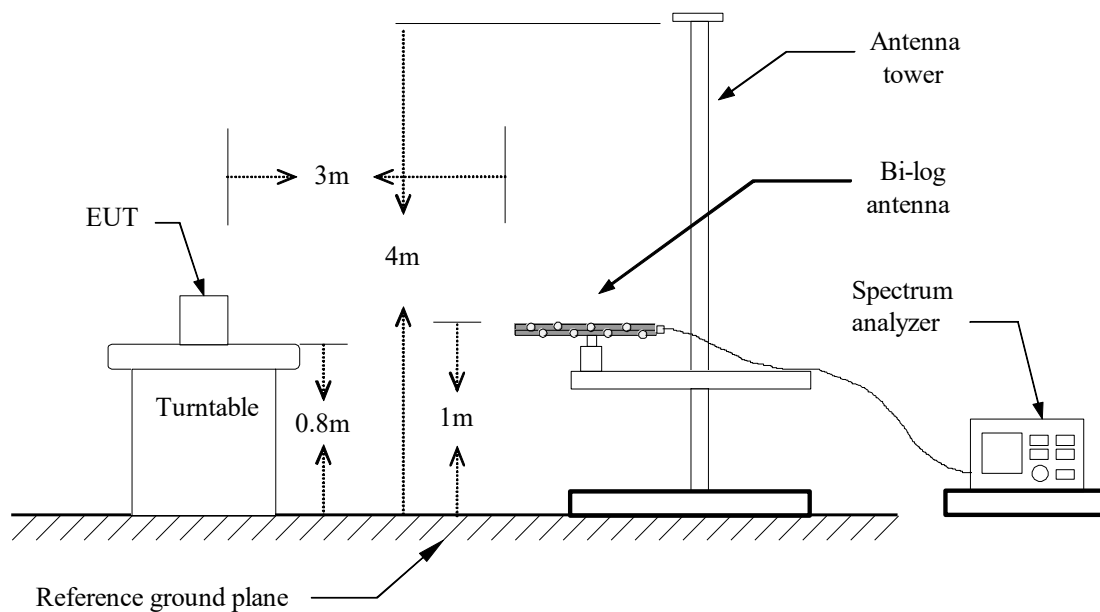
Margin=Actual FS- Limit

4.6.3 Test Setup

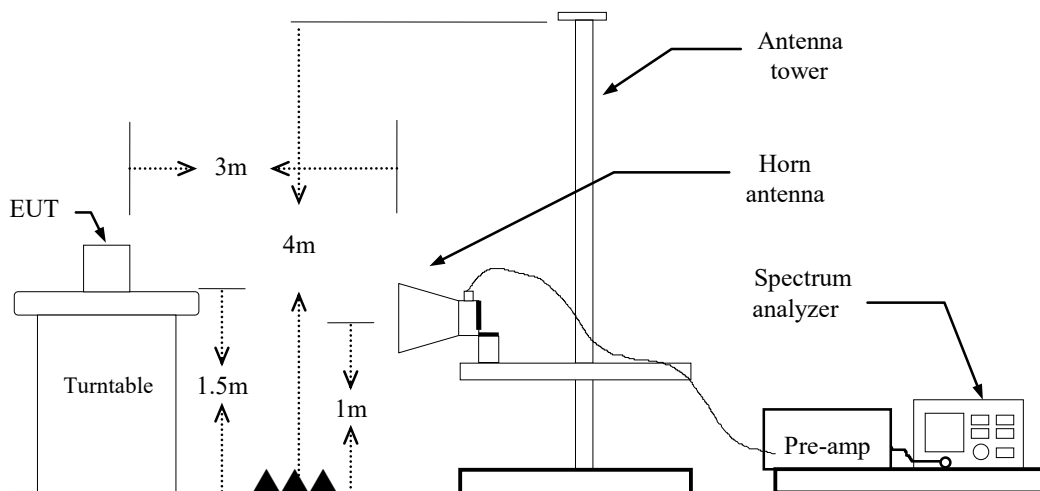
9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1 GHz

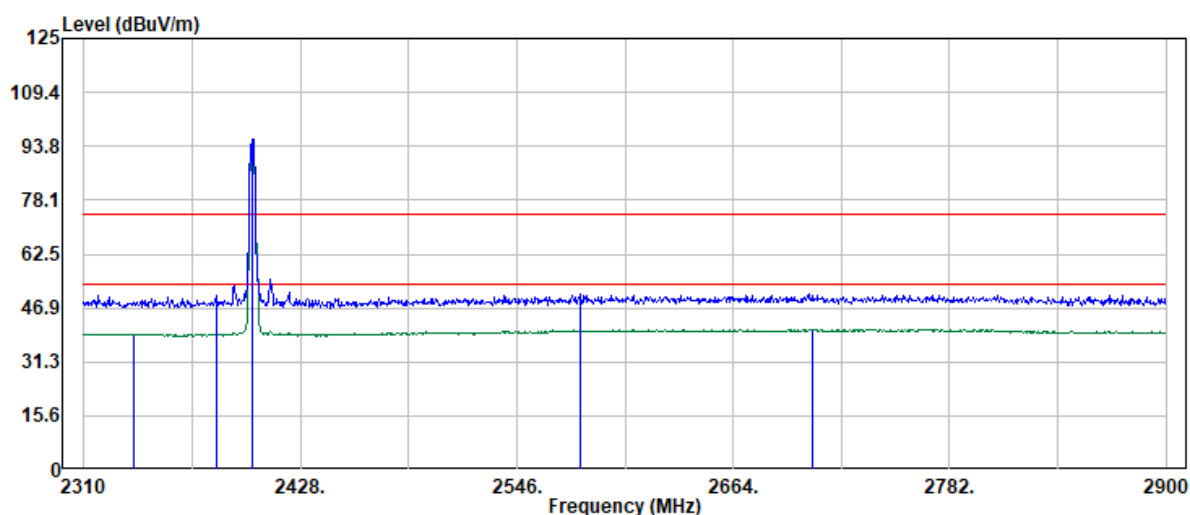


4.6.4 Test Result

Band Edge Test Data

Project No : TM-2605000007P
Operation Band : BLE_1M
Frequency : 2402 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1

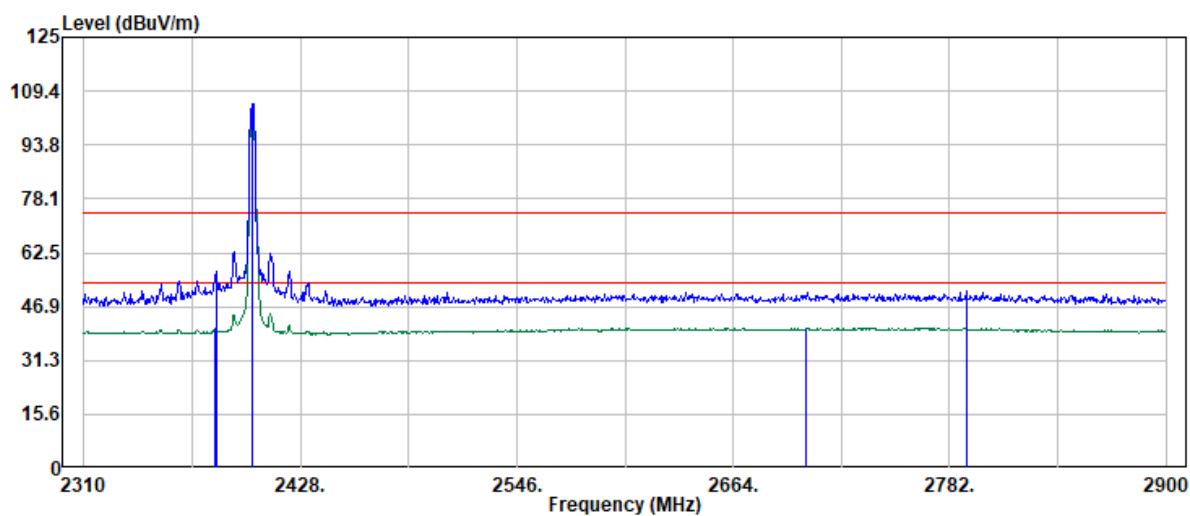
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2337.48	33.06	6.26	39.32	54.00	-14.68	Average
2381.94	44.22	6.20	50.42	74.00	-23.58	Peak
2402.00	89.84	6.11	95.95	--	--	Peak
2402.00	89.29	6.11	95.40	--	--	Average
2580.27	43.64	7.29	50.93	74.00	-23.07	Peak
2707.16	33.14	7.49	40.63	54.00	-13.37	Average

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Rev.: 00

Project No : TM-2605000007P
Operation Band : BLE_1M
Frequency : 2402 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



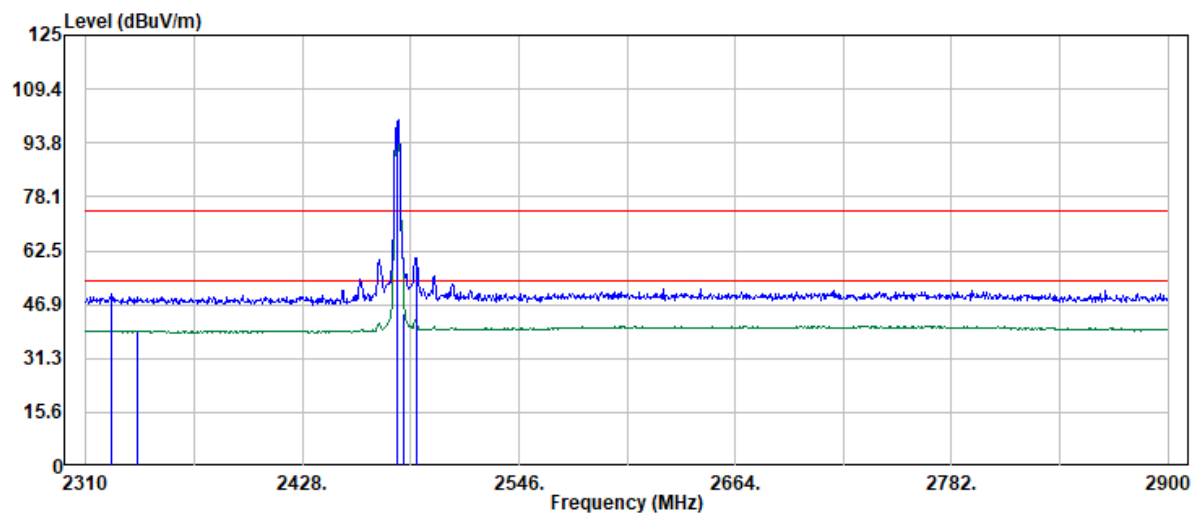
Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2381.44	34.55	6.20	40.75	54.00	-13.25	Average
2381.94	50.68	6.20	56.88	74.00	-17.12	Peak
2402.00	99.47	6.11	105.58	--	--	Peak
2402.00	98.95	6.11	105.06	--	--	Average
2704.17	33.14	7.48	40.62	54.00	-13.38	Average
2791.09	43.90	7.57	51.47	74.00	-22.53	Peak

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Rev.: 00

Project No : TM-2605000007P
Operation Band : BLE_1M
Frequency : 2480 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1

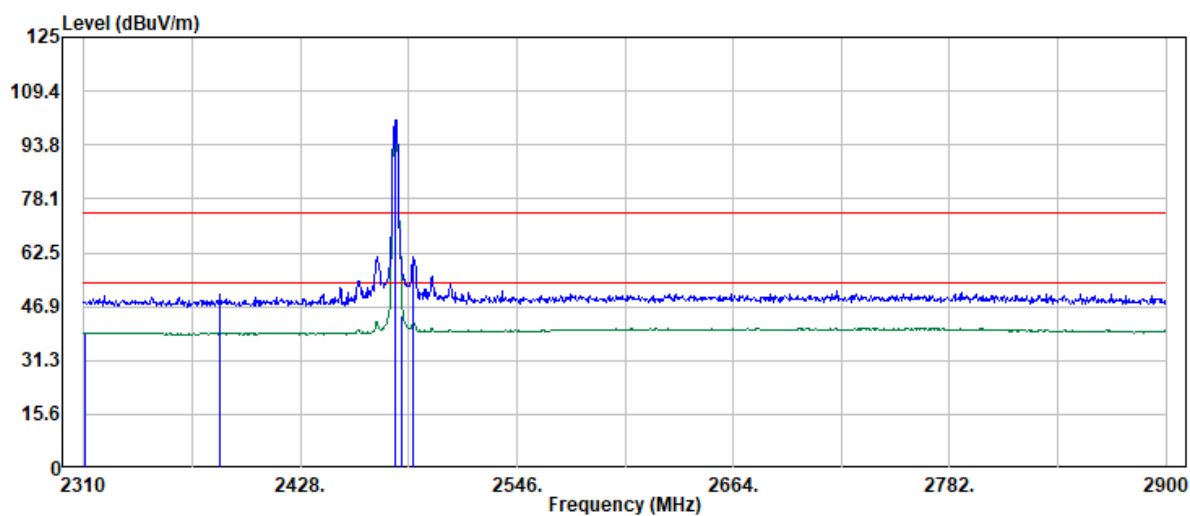
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2323.49	43.71	6.17	49.88	74.00	-24.12	Peak
2338.48	33.04	6.27	39.31	54.00	-14.69	Average
2480.00	93.80	6.44	100.24	--	--	Peak
2480.00	93.30	6.44	99.74	--	--	Average
2483.50	37.92	6.48	44.40	54.00	-9.60	Average
2490.35	53.80	6.56	60.36	74.00	-13.64	Peak

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Rev.: 00

Project No : TM-2605000007P
Operation Band : BLE_1M
Frequency : 2480 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1

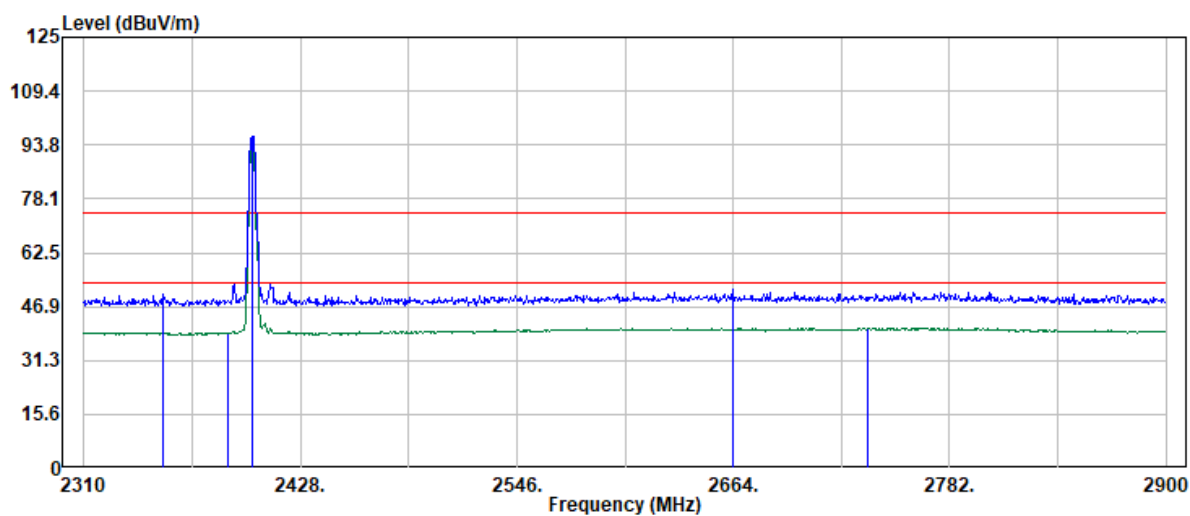
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2310.50	33.11	6.25	39.36	54.00	-14.64	Average
2384.44	44.26	6.20	50.46	74.00	-23.54	Peak
2480.00	94.67	6.44	101.11	--	--	Peak
2480.00	94.10	6.44	100.54	--	--	Average
2483.50	37.96	6.48	44.44	54.00	-9.56	Average
2489.85	54.89	6.56	61.45	74.00	-12.55	Peak

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Rev.: 00

Project No : TM-2605000007P
Operation Band : BLE_2M
Frequency : 2402 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



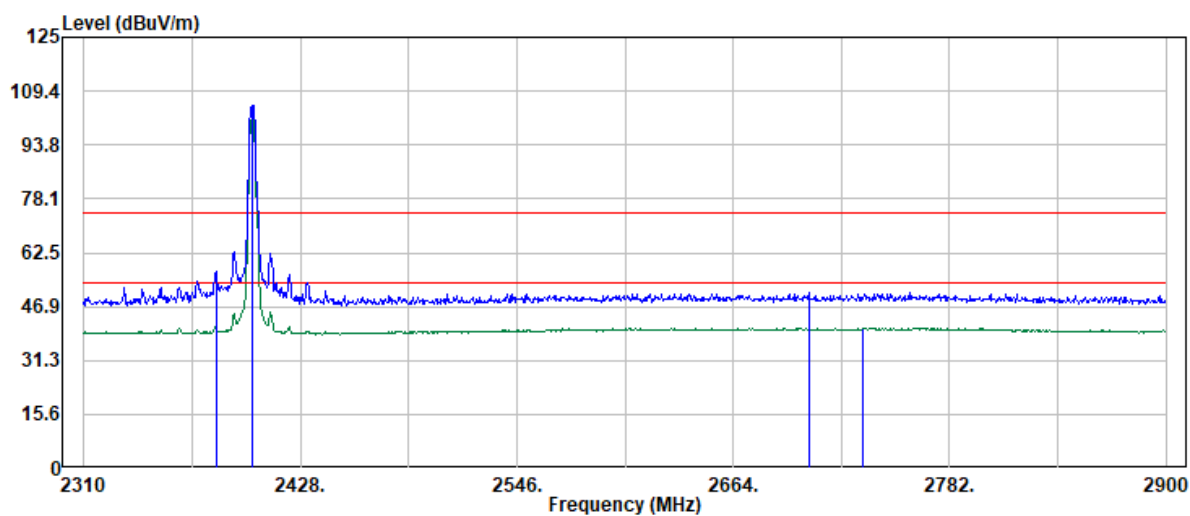
Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2352.96	44.18	6.17	50.35	74.00	-23.65	Peak
2388.43	33.14	6.19	39.33	54.00	-14.67	Average
2402.00	89.96	6.11	96.07	--	--	Peak
2402.00	87.66	6.11	93.77	--	--	Average
2663.70	44.29	7.39	51.68	74.00	-22.32	Peak
2737.64	33.05	7.59	40.64	54.00	-13.36	Average

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Rev.: 00

Project No : TM-2605000007P
Operation Band : BLE_2M
Frequency : 2402 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1

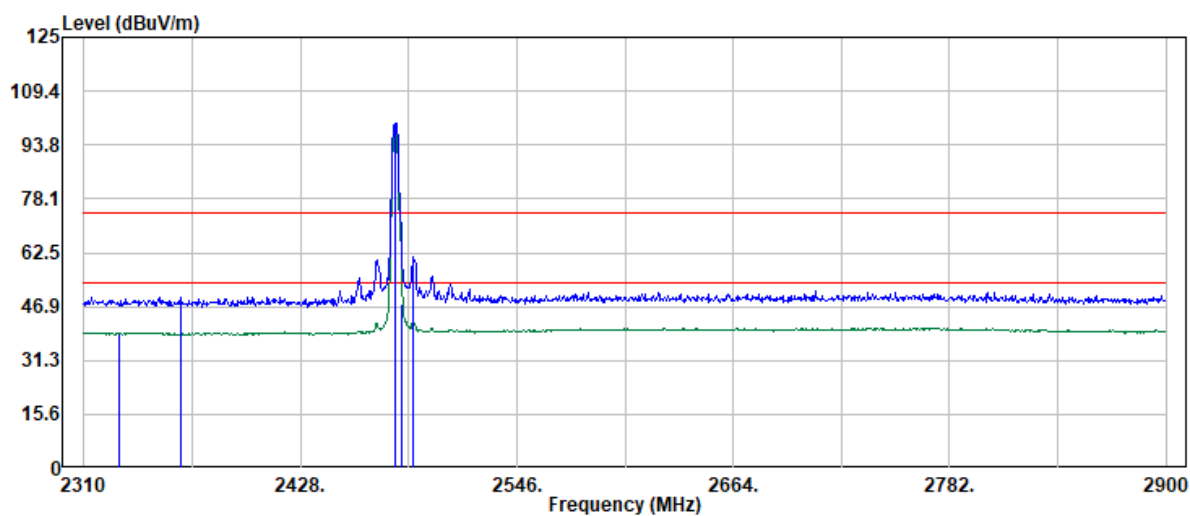
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2381.94	50.78	6.20	56.98	74.00	-17.02	Peak
2381.94	34.82	6.20	41.02	54.00	-12.98	Average
2402.00	99.28	6.11	105.39	--	--	Peak
2402.00	96.96	6.11	103.07	--	--	Average
2705.17	43.50	7.49	50.99	74.00	-23.01	Peak
2735.14	33.13	7.56	40.69	54.00	-13.31	Average

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Rev.: 00

Project No : TM-2605000007P
Operation Band : BLE_2M
Frequency : 2480 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1

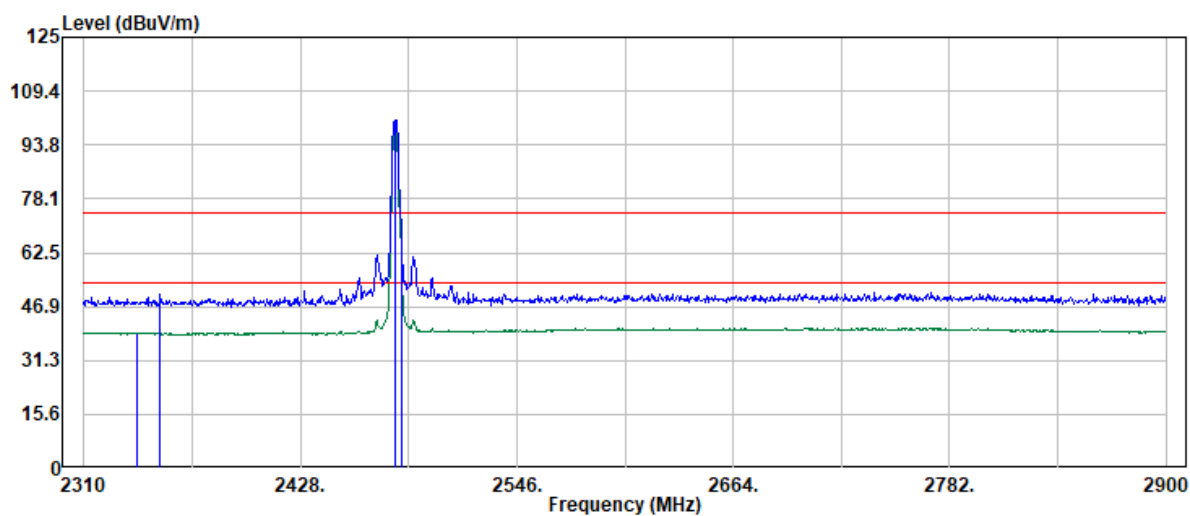
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2329.48	33.17	6.18	39.35	54.00	-14.65	Average
2362.46	43.39	6.12	49.51	74.00	-24.49	Peak
2480.00	93.76	6.44	100.20	--	--	Peak
2480.00	91.47	6.44	97.91	--	--	Average
2483.50	40.93	6.48	47.41	54.00	-6.59	Average
2489.85	54.58	6.56	61.14	74.00	-12.86	Peak

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Rev.: 00

Project No : TM-2605000007P
Operation Band : BLE_2M
Frequency : 2480 MHz
Operation Mode : Bandedge
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1

Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2338.98	33.03	6.28	39.31	54.00	-14.69	Average
2351.47	44.41	6.20	50.61	74.00	-23.39	Peak
2480.00	94.70	6.44	101.14	--	--	Peak
2480.00	92.44	6.44	98.88	--	--	Average
2483.50	55.22	6.48	61.70	74.00	-12.30	Peak
2483.50	41.72	6.48	48.20	54.00	-5.80	Average

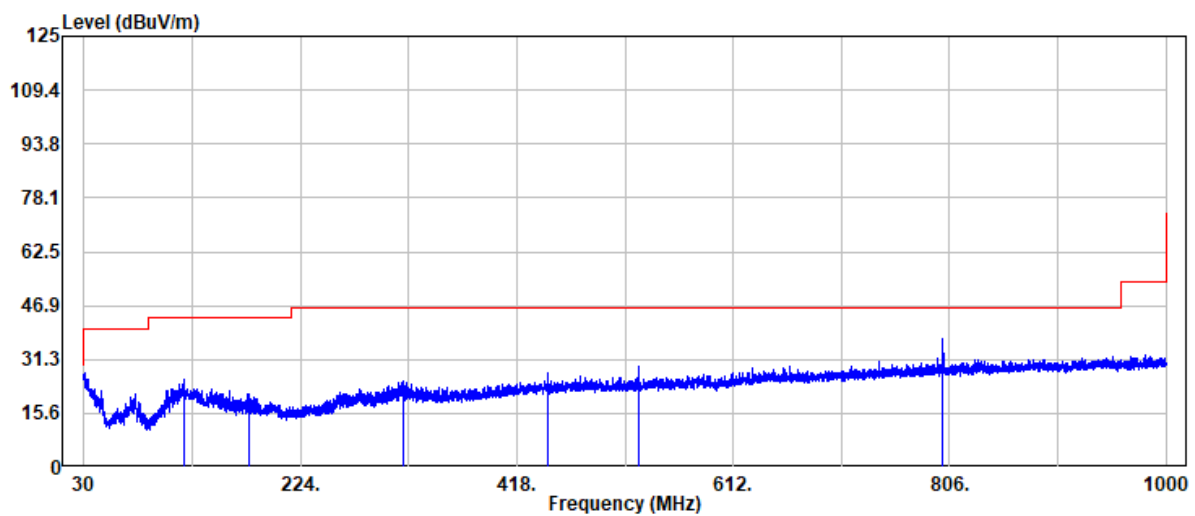
Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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TX Test Data

Project No : TM-2605000007P
Operation Band : BLE_2M
Frequency : 2480 MHz
Operation Mode : TX
EUT Pol : H
Setting :

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



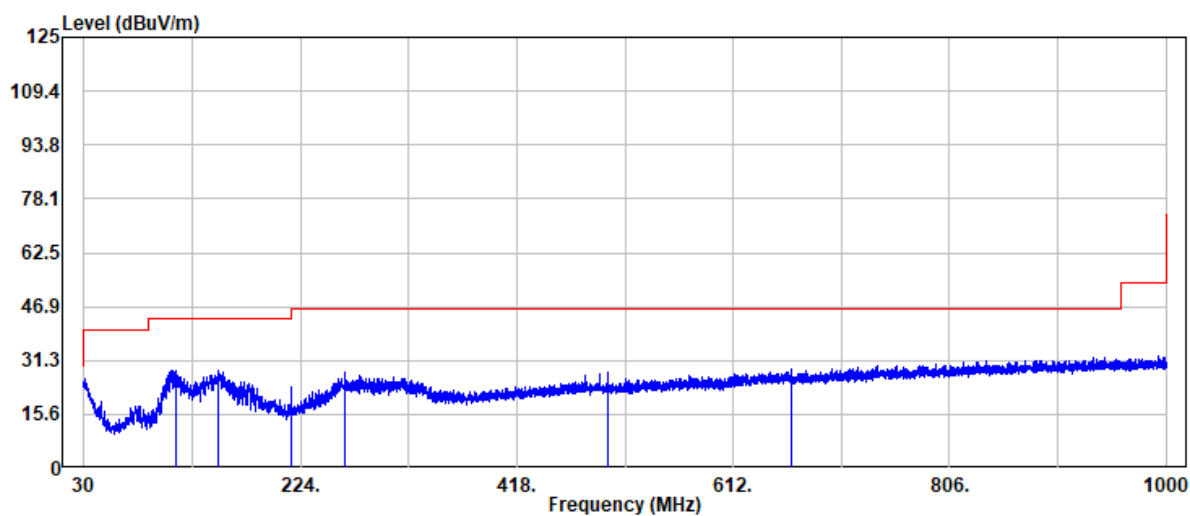
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
119.97	35.04	-9.63	25.41	43.50	-18.09	Peak
177.44	32.98	-11.94	21.04	43.50	-22.46	Peak
316.64	34.00	-8.88	25.12	46.00	-20.88	Peak
445.65	32.47	-5.34	27.13	46.00	-18.87	Peak
527.13	33.38	-3.97	29.41	46.00	-16.59	Peak
799.94	37.00	0.41	37.41	46.00	-8.59	Peak

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Project No : TM-2605000007P
Operation Band : BLE_2M
Frequency : 2480 MHz
Operation Mode : TX
EUT Pol : H
Setting :

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



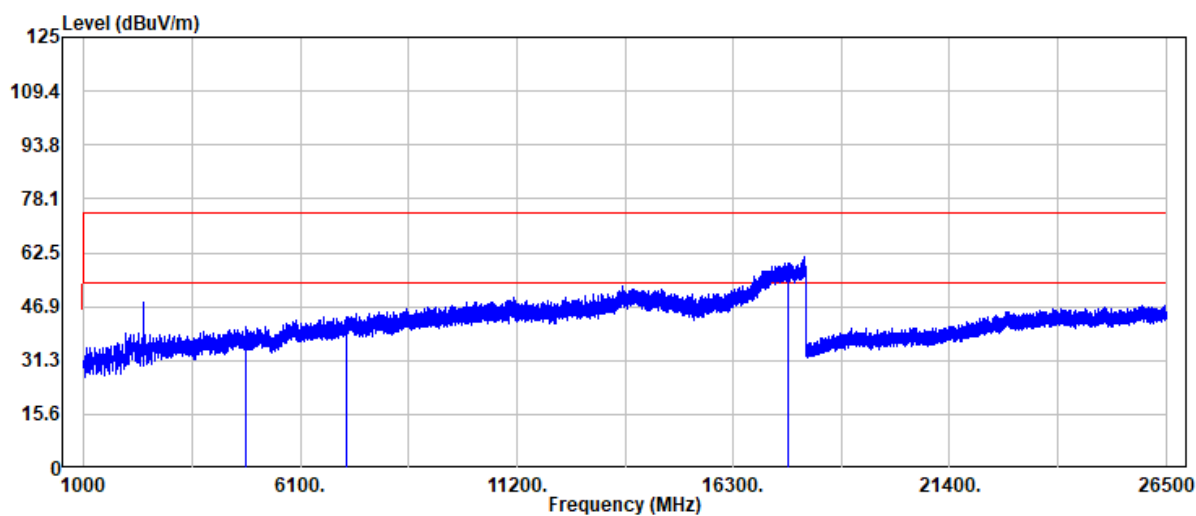
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
111.97	38.98	-10.47	28.51	43.50	-14.99	Peak
151.01	39.06	-10.80	28.26	43.50	-15.24	Peak
216.00	35.90	-12.47	23.43	43.50	-20.07	Peak
264.01	37.85	-10.06	27.79	46.00	-18.21	Peak
499.97	32.39	-4.41	27.98	46.00	-18.02	Peak
663.77	30.10	-1.45	28.65	46.00	-17.35	Peak

Project No: TM-2605000007P
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Project No : TM-2605000007P
Operation Band : BLE_1M
Frequency : 2402 MHz
Operation Mode : TX
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



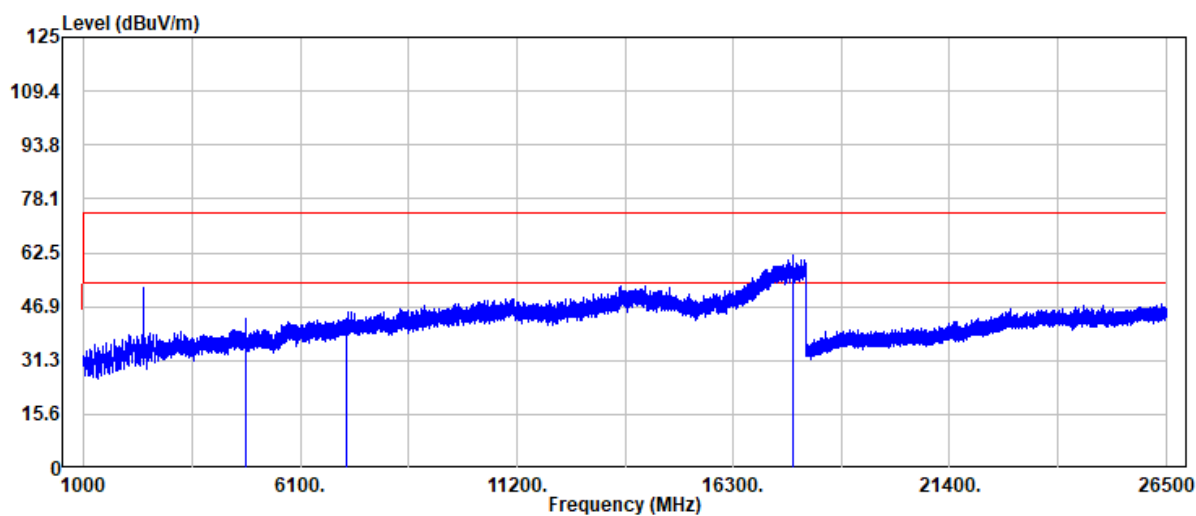
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4804.00	38.61	2.34	40.95	74.00	-33.05	Peak
4804.00	33.24	2.34	35.58	54.00	-18.42	Average
7206.00	34.93	9.08	44.01	74.00	-29.99	Peak
7206.00	26.46	9.08	35.54	54.00	-18.46	Average
17614.00	34.13	25.39	59.52	74.00	-14.48	Peak
17614.00	24.11	25.39	49.50	54.00	-4.50	Average

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Project No : TM-2605000007P
Operation Band : BLE_1M
Frequency : 2402 MHz
Operation Mode : TX
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



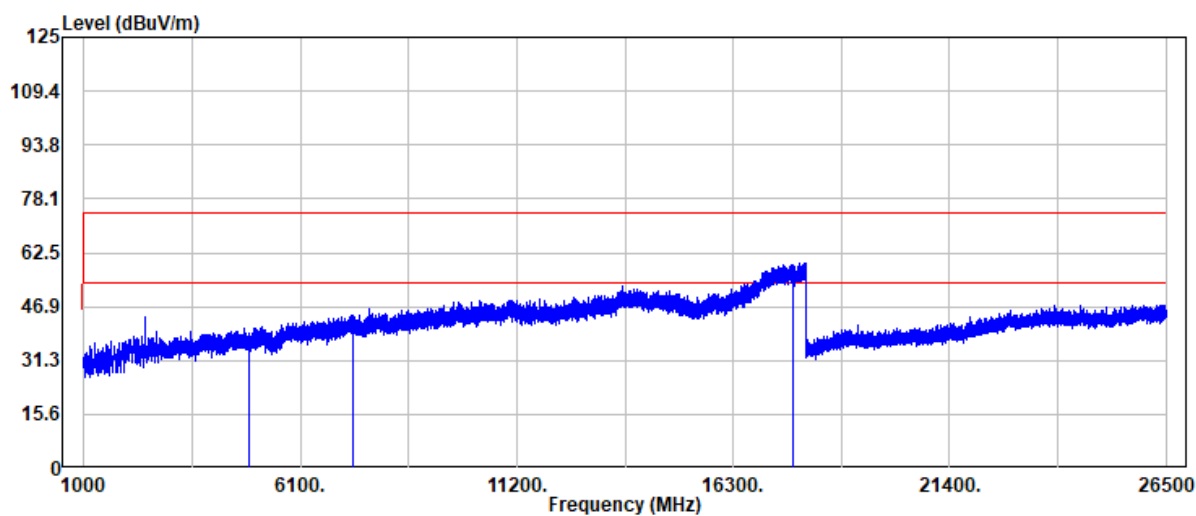
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4804.00	40.87	2.34	43.21	74.00	-30.79	Peak
4804.00	36.94	2.34	39.28	54.00	-14.72	Average
7206.00	34.48	9.08	43.56	74.00	-30.44	Peak
7206.00	26.59	9.08	35.67	54.00	-18.33	Average
17697.00	35.77	25.94	61.71	74.00	-12.29	Peak
17697.00	24.16	25.94	50.10	54.00	-3.90	Average

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Report No.: TMWK2605001964KR

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Rev.: 00

Project No : TM-2605000007P
Operation Band : BLE_1M
Frequency : 2442 MHz
Operation Mode : TX
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



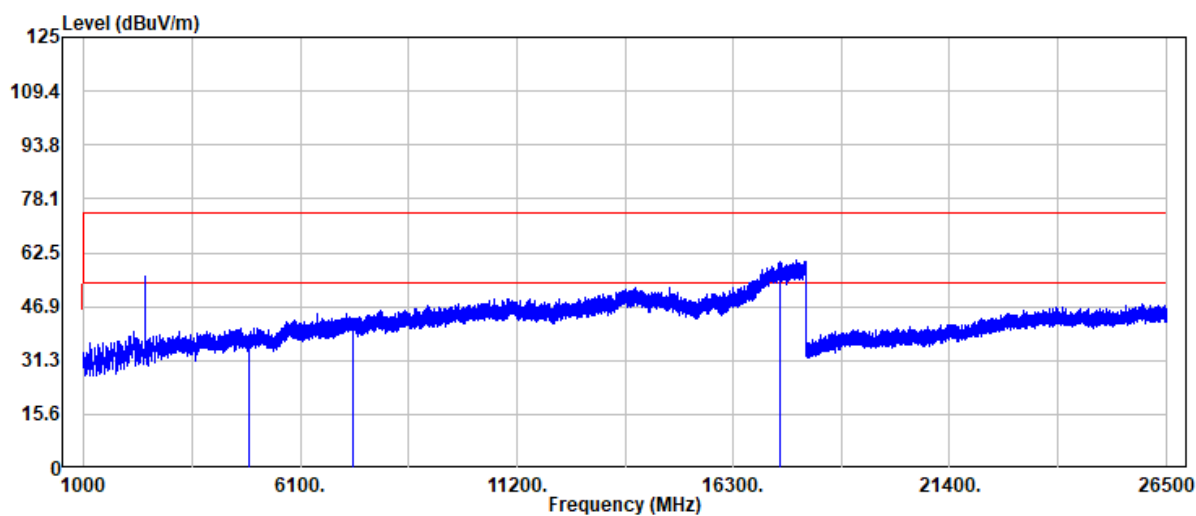
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4884.00	36.58	2.57	39.15	74.00	-34.85	Peak
4884.00	28.64	2.57	31.21	54.00	-22.79	Average
7326.00	34.19	9.11	43.30	74.00	-30.70	Peak
7326.00	26.50	9.11	35.61	54.00	-18.39	Average
17706.00	33.34	25.81	59.15	74.00	-14.85	Peak
17706.00	24.05	25.81	49.86	54.00	-4.14	Average

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Project No : TM-2605000007P
Operation Band : BLE_1M
Frequency : 2442 MHz
Operation Mode : TX
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



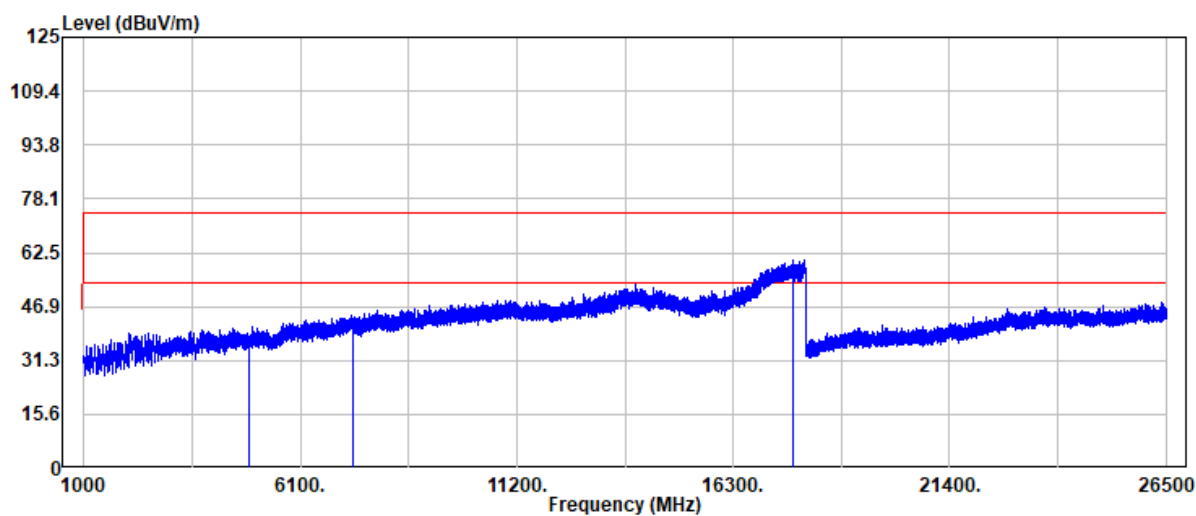
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4884.00	36.09	2.57	38.66	74.00	-35.34	Peak
4884.00	31.11	2.57	33.68	54.00	-20.32	Average
7326.00	34.52	9.11	43.63	74.00	-30.37	Peak
7326.00	26.29	9.11	35.40	54.00	-18.60	Average
17392.00	34.91	25.20	60.11	74.00	-13.89	Peak
17392.00	24.22	25.20	49.42	54.00	-4.58	Average

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Project No : TM-2605000007P
Operation Band : BLE_1M
Frequency : 2480 MHz
Operation Mode : TX
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



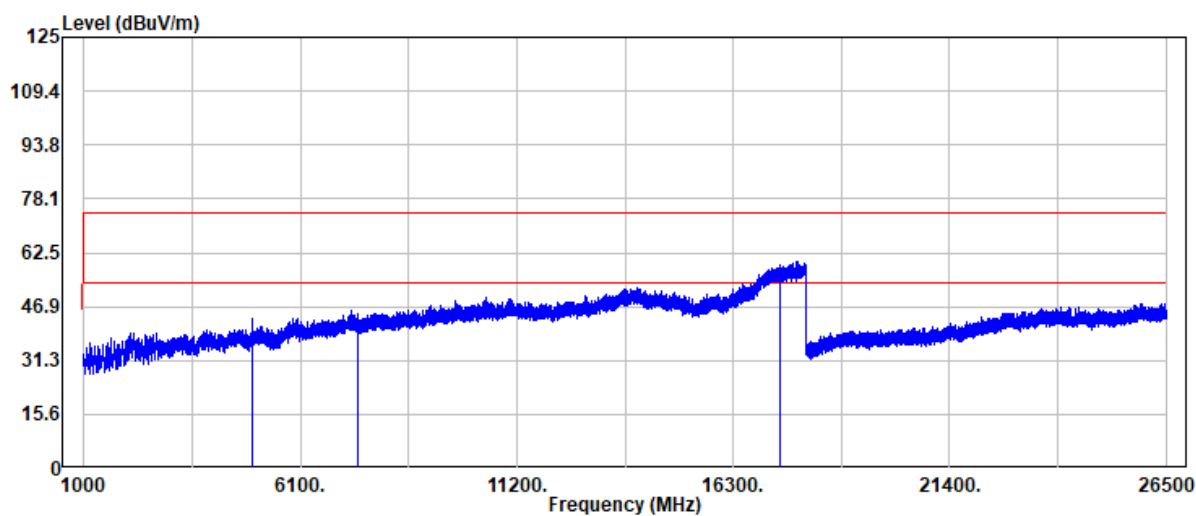
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4884.00	35.85	2.57	38.42	74.00	-35.58	Peak
4884.00	32.14	2.57	34.71	54.00	-19.29	Average
7326.00	34.13	9.11	43.24	74.00	-30.76	Peak
7326.00	26.36	9.11	35.47	54.00	-18.53	Average
17701.00	34.60	25.95	60.55	74.00	-13.45	Peak
17701.00	24.17	25.95	50.12	54.00	-3.88	Average

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Rev.: 00

Project No : TM-2605000007P
Operation Band : BLE_1M
Frequency : 2480 MHz
Operation Mode : TX
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



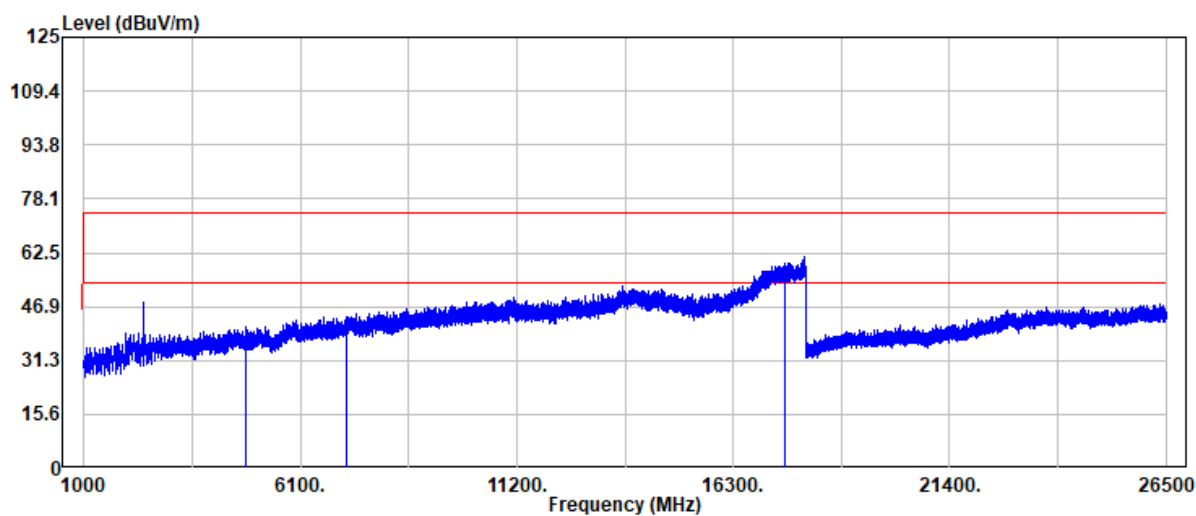
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4960.00	40.18	3.40	43.58	74.00	-30.42	Peak
4960.00	37.77	3.40	41.17	54.00	-12.83	Average
7440.00	35.78	9.07	44.85	74.00	-29.15	Peak
7440.00	26.58	9.07	35.65	54.00	-18.35	Average
17402.00	33.80	25.20	59.00	74.00	-15.00	Peak
17402.00	24.16	25.20	49.36	54.00	-4.64	Average

Project No: TM-2605000007P
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Project No : TM-2605000007P
Operation Band : BLE_2M
Frequency : 2402 MHz
Operation Mode : TX
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



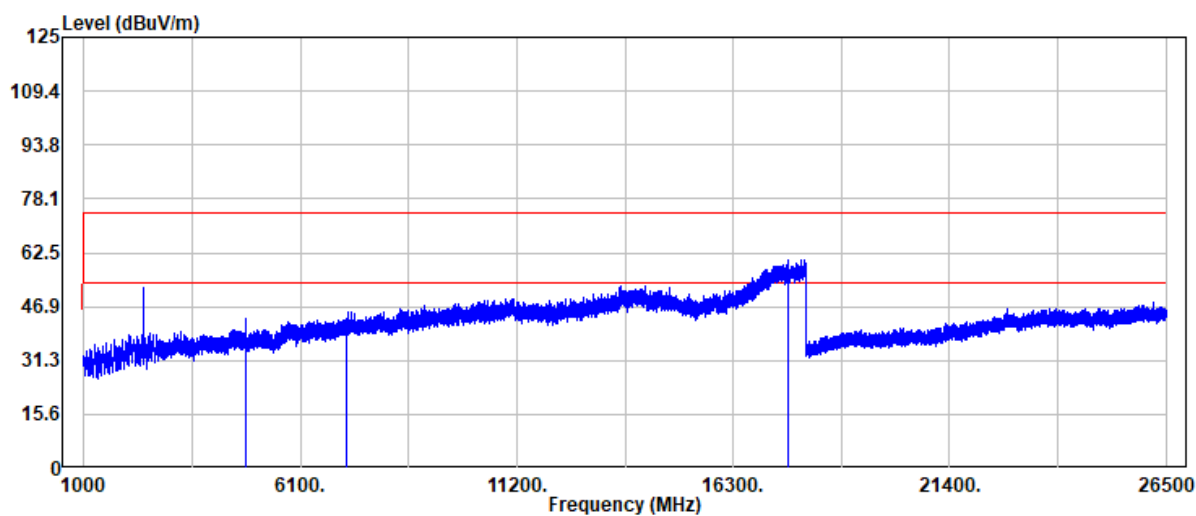
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4804.00	38.97	2.34	41.31	74.00	-32.69	Peak
4804.00	33.75	2.34	36.09	54.00	-17.91	Average
7206.00	34.49	9.08	43.57	74.00	-30.43	Peak
7206.00	26.67	9.08	35.75	54.00	-18.25	Average
17503.00	34.20	25.15	59.35	74.00	-14.65	Peak
17503.00	24.01	25.15	49.16	54.00	-4.84	Average

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Project No : TM-2605000007P
Operation Band : BLE_2M
Frequency : 2402 MHz
Operation Mode : TX
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



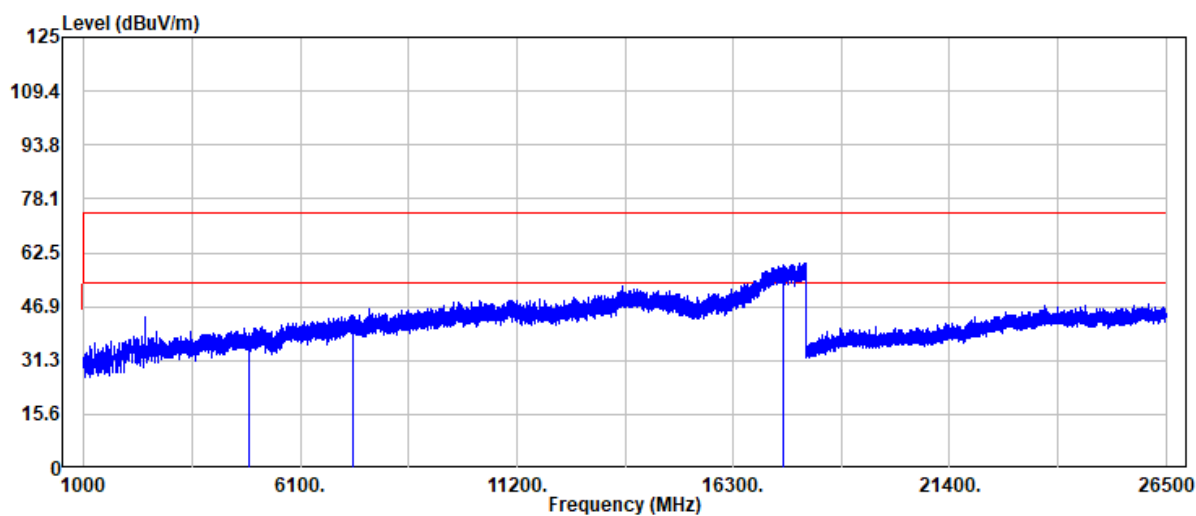
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4804.00	41.09	2.34	43.43	74.00	-30.57	Peak
4804.00	37.20	2.34	39.54	54.00	-14.46	Average
7206.00	34.82	9.08	43.90	74.00	-30.10	Peak
7206.00	26.37	9.08	35.45	54.00	-18.55	Average
17614.00	34.87	25.39	60.26	74.00	-13.74	Peak
17614.00	24.26	25.39	49.65	54.00	-4.35	Average

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Project No : TM-2605000007P
Operation Band : BLE_2M
Frequency : 2442 MHz
Operation Mode : TX
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



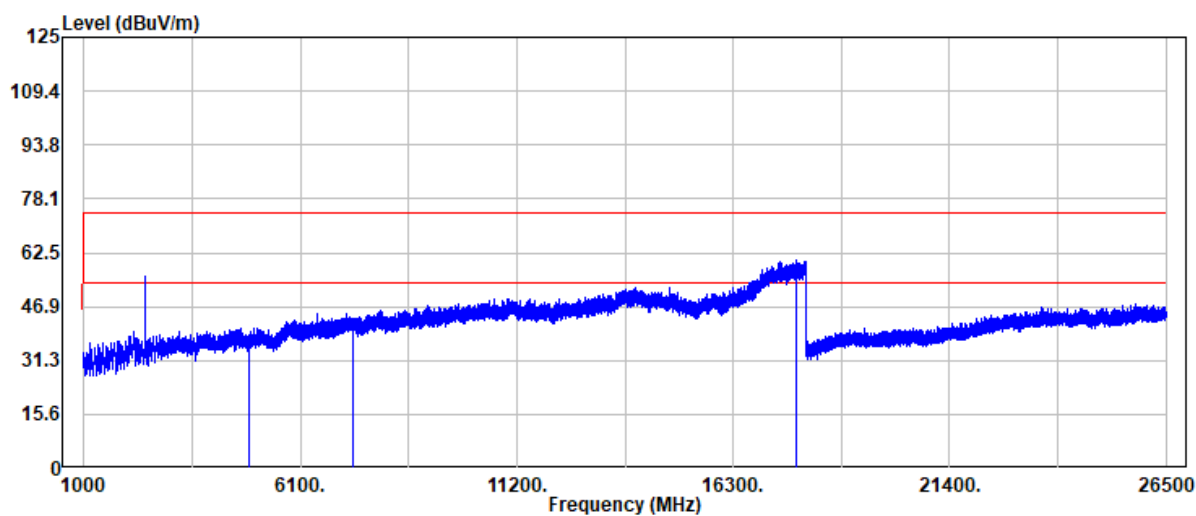
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	FS	@3m	-----	Mode
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4884.00	37.00	2.57	39.57	74.00	-34.43	Peak
4884.00	29.02	2.57	31.59	54.00	-22.41	Average
7326.00	34.30	9.11	43.41	74.00	-30.59	Peak
7326.00	26.75	9.11	35.86	54.00	-18.14	Average
17475.00	33.73	25.22	58.95	74.00	-15.05	Peak
17475.00	24.07	25.22	49.29	54.00	-4.71	Average

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Rev.: 00

Project No : TM-2605000007P
Operation Band : BLE_2M
Frequency : 2442 MHz
Operation Mode : TX
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



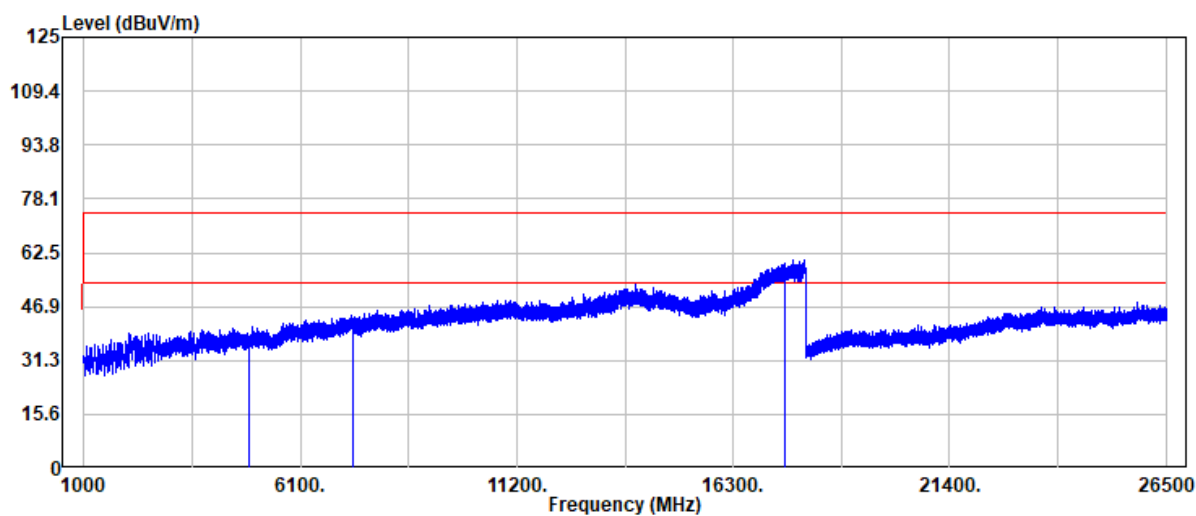
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4884.00	36.61	2.57	39.18	74.00	-34.82	Peak
4884.00	31.45	2.57	34.02	54.00	-19.98	Average
7326.00	34.74	9.11	43.85	74.00	-30.15	Peak
7326.00	26.53	9.11	35.64	54.00	-18.36	Average
17780.00	35.07	25.17	60.24	74.00	-13.76	Peak
17780.00	24.24	25.17	49.41	54.00	-4.59	Average

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Rev.: 00

Project No : TM-2605000007P
Operation Band : BLE_2M
Frequency : 2480 MHz
Operation Mode : TX
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



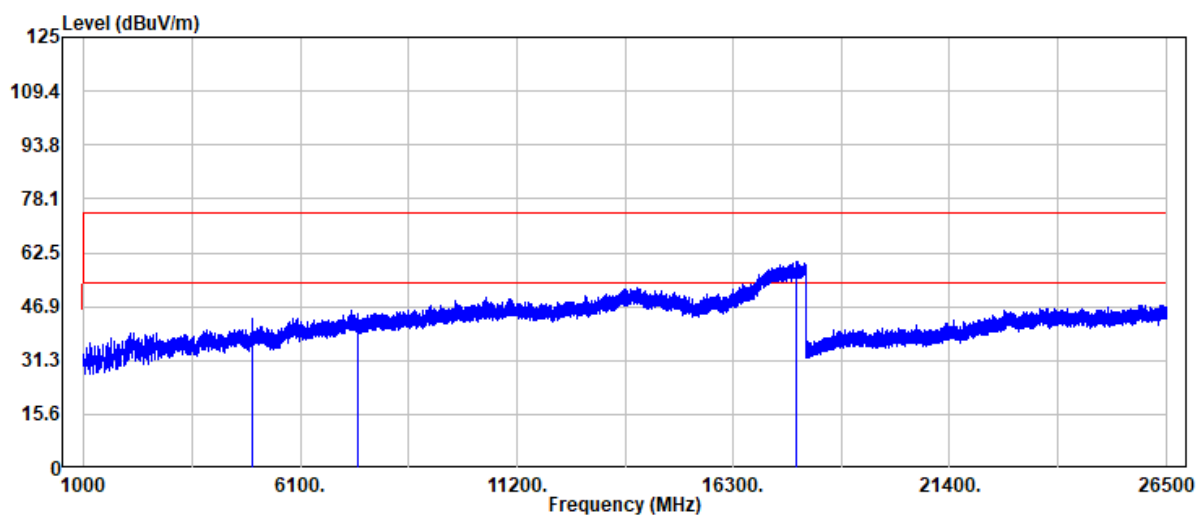
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4884.00	36.09	2.57	38.66	74.00	-35.34	Peak
4884.00	32.47	2.57	35.04	54.00	-18.96	Average
7326.00	34.39	9.11	43.50	74.00	-30.50	Peak
7326.00	26.55	9.11	35.66	54.00	-18.34	Average
17501.00	34.08	25.15	59.23	74.00	-14.77	Peak
17501.00	24.11	25.15	49.26	54.00	-4.74	Average

Project No: TM-2605000007P
Report No.: TMWK2605001964KR

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Rev.: 00

Project No : TM-2605000007P
Operation Band : BLE_2M
Frequency : 2480 MHz
Operation Mode : TX
EUT Pol : H
Setting : 10

Test Date : 2026-05-25
Temp./Humi. : 25.6/52
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4960.00	40.52	3.40	43.92	74.00	-30.08	Peak
4960.00	38.18	3.40	41.58	54.00	-12.42	Average
7440.00	36.13	9.07	45.20	74.00	-28.80	Peak
7440.00	26.77	9.07	35.84	54.00	-18.16	Average
17786.00	34.70	25.28	59.98	74.00	-14.02	Peak
17786.00	24.16	25.28	49.44	54.00	-4.56	Average

- End of Test Report -