

Project No: TM-2606000326P
Report No.: TMWK2606002807KR

FCC ID: ELVATR6A

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Rev.: 00

RADIO TEST REPORT

FCC 47 CFR PART 15 SUBPART C

Test Standard	FCC Part 15.247
Product name	Alarm module
Brand Name	NA
Model No.	ROC2
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 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:

Sehni, Hu

Sehni Hu
Supervisor

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	August 5, 2026	Initial Issue	ALL	Peggy Tsai

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1. GENERAL INFORMATION

1.1 EUT INFORMATION

Applicant	NUTEK CORPORATION No.167, Lane 235, Bauchiau Rd., Xindian District, New Taipei City, 23145, Taiwan
Manufacturer	NUTEK CORPORATION No.167, Lane 235, Bauchiau Rd., Xindian District, New Taipei City, 23145, Taiwan
Equipment	Alarm module
Model No.	ROC2
Model Discrepancy	N/A
Trade Name	NA
Received Date	June 25, 2026
Date of Test	July 20, 2026
Power Operation	Powered from Power Supply (DC 12V)
HW Version	N/A
SW Version	N/A

Remark:

1. For more details, please refer to the User's manual of the EUT.
2. 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
Number of channel	40 Channels

Remark:

Refer as ANSI C63.10-2020 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 ☒ MIFA PCB ☐ Dipole ☐ FPC Antenna
Antenna Model	ROC2
Antenna Gain	-4.09 dBi
Antenna Connector	N/A

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.

1.4 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	±2.654dB
Channel Bandwidth	±0.216dB
RF output power (Spectrum)	±0.884dB
RF output power (Power Meter + Power sensor)	±0.442dB
Power Spectral density	±2.105dB
Conducted Bandedge	±2.104dB
Conducted Spurious Emission	±2.104dB
Radiated Emission_9kHz-30MHz	±2.998dB
Radiated Emission_30MHz-200MHz	±3.308dB
Radiated Emission_200MHz-1GHz	±3.506dB
Radiated Emission_1GHz-6GHz	±4.068dB
Radiated Emission_6GHz-18GHz	±4.120dB
Radiated Emission_18GHz-26GHz	±3.411dB
Radiated Emission_26GHz-40GHz	±3.410dB

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	-	Not applicable, because EUT not connect to AC Main Source direct.
Radiation	Tony Chao	-
RF Conducted	David Li	-

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
EXA Signal Analyzer	Agilent	N9010A	MY53400256	2025-11-26	2026-11-25
Power Sensor	Anritsu	MA2411B	1911387	2025-08-21	2026-08-20
Power Sensor	Anritsu	MA2411B	1911386	2026-06-23	2027-06-22
Power Meter	Anritsu	ML2496A	2136002	2026-06-23	2027-06-22
DC Blocks	Marvelous Microwave	MVE6411	MVE-001	2025-08-06	2026-08-05
Attenuator	Marvelous Microwave Inc	MVE2213-10	8	2025-11-06	2026-11-05
DC Power Source	GWINSTEK	GPC-3030D	8070184	2025-09-15	2026-09-14
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	2026-05-19	2027-05-18
Bi-Log Antenna	Sunol Sciences	JB3	A030105&532	2026-06-18	2027-06-17
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	2026-06-01	2027-05-31
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.

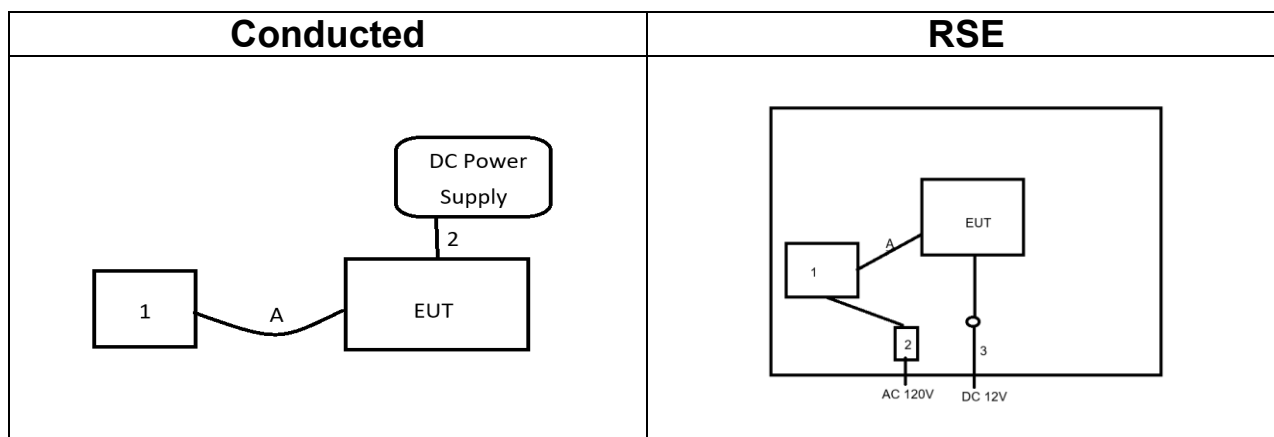
1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

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

Support Equipment (Conducted)					
No.	Equipment	Brand	Model	Series No.	FCC ID
1	NB(1737)	Lenovo	L480	N/A	N/A
2	DC Power Cable	MISUMI	MCR3S-RE	N/A	N/A
A	UART-USB Cable	N/A	N/A	N/A	N/A

Support Equipment (Radiated)					
No.	Equipment	Brand	Model	Series No.	FCC ID
1	NB(D)	Lenovo	ThinkPad X260	N/A	N/A
2	Adapter	Lenovo	ADLX45DLC3A	N/A	N/A
3	DC CABLE	MISUMI	MCR3S-RE	N/A	N/A
A	UART-USB Cable	N/A	N/A	N/A	N/A

1.8 TEST SET UP DIAGRAM



1.9 TEST PROGRAM

This EUT uses nRF Connect for Desktop tool to set the frequency, modulation, and power to allow the sample to continuously transmit.

nRF Connect for Desktop v5.2.0

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 Part 2, FCC Part 15.247, KDB 558074.

2. TEST SUMMERY

FCC Standard Section	Report Section	Test Item	Result
15.203	1.3	Antenna Requirement	Pass
15.207(a)	4.1	AC Conducted Emission	N/A
15.247(a)(2)	4.2	6 dB Bandwidth	Pass
-	4.2	Occupied Bandwidth (99%)	Pass
15.247(b)(3)	4.3	Output Power Measurement	Pass
15.247(e)	4.4	Power Spectral Density	Pass
15.247(d)	4.5	Conducted Band Edge	Pass
15.247(d)	4.5	Conducted Spurious Emission	Pass
15.247(d) 15.205, 15.209	4.6	Radiation Band Edge	Pass
15.247(d) 15.205, 15.209	4.6	Radiation Spurious Emission	Pass

3. DESCRIPTION OF TEST MODES

3.1 THE WORST MODE OF OPERATING CONDITION

Operation mode	BLE Mode (1Mbps)
Test Channel Frequencies	1.Lowest Channel : 2402MHz 2.Middle Channel : 2440MHz 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

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

Remark:

1. The worst mode was record in this test report.
2. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(Y-Plane) were recorded in this report.

3.3 EUT DUTY CYCLE

Temperature: 26.2°C

Test date: July 20, 2026

Humidity: 58% RH

Tested by: David Li

Mode	Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
BLE 1M	63.20	1.99	2.53	3.00



4. TEST RESULT

4.1 AC POWER LINE CONDUCTED EMISSION

4.1.1 Test Limit

According to §15.207(a),

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

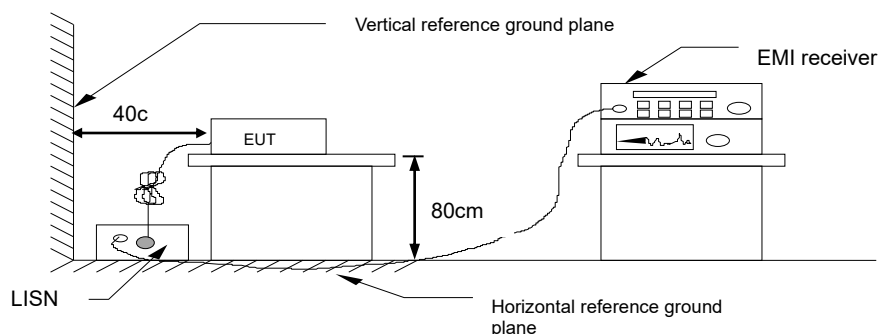
* Decreases with the logarithm of the frequency.

4.1.2 Test Procedure

Test method Refer as ANSI C63.10-2020,

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

Not applicable, because EUT not connect to AC Main Source direct.

4.2 6dB BANDWIDTH AND OCCUPIED BANDWIDTH(99%)

4.2.1 Test Limit

According to §15.247(a)(2),

6 dB Bandwidth :

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

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

4.2.2 Test Procedure

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.

4.2.3 Test Setup

Refer to section 1.8.

4.2.4 Test Result

Temperature: 26.2°C
Humidity: 58% RH

Test date: July 20, 2026
Tested by: David Li

6dB BANDWIDTH

BLE 1M mode

Frequency (MHz)	6dB BW (MHz)	Required BW (MHz)	Result
2402	0.6982	≥ 0.5	PASS
2440	0.709	≥ 0.5	PASS
2480	0.7025	≥ 0.5	PASS

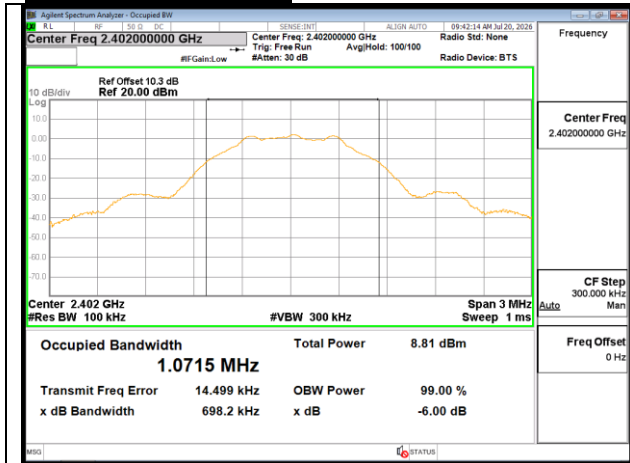
BANDWIDTH 99%

BLE 1M mode

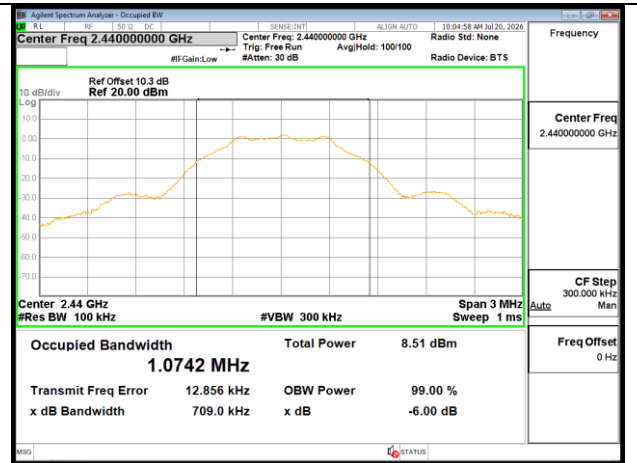
Frequency (MHz)	99%Bandwidth (MHz)
2402	1.0414
2440	1.0439
2480	1.0464

Test Data

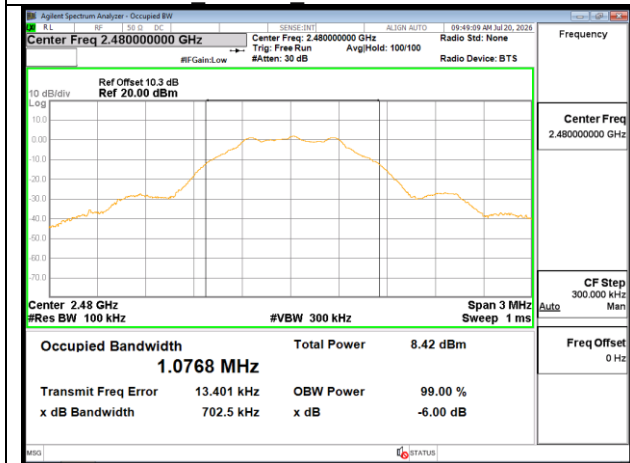
6dB BANDWIDTH



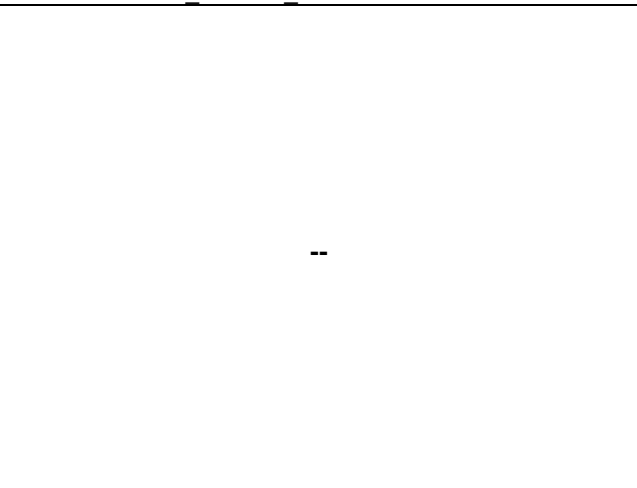
OBW BLE 1M LowCH00-2402MHz



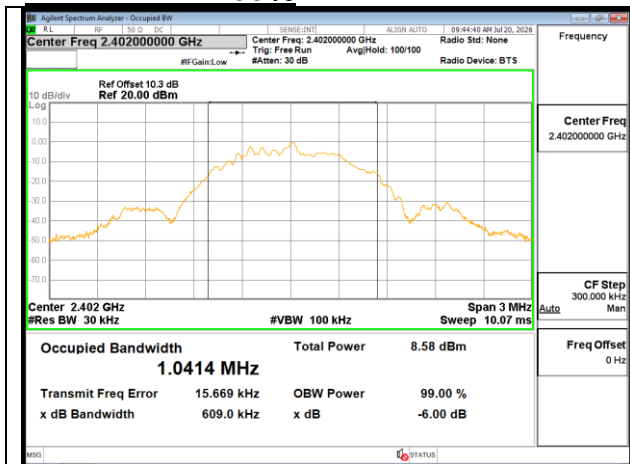
OBW BLE 1M MidCH19-2440MHz



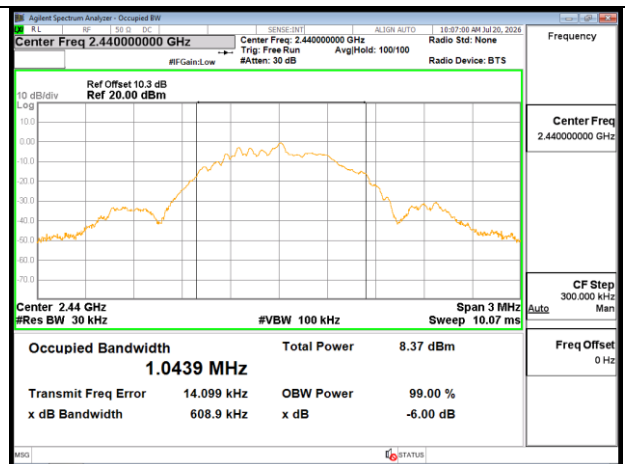
OBW BLE 1M HighCH39-2480MHz



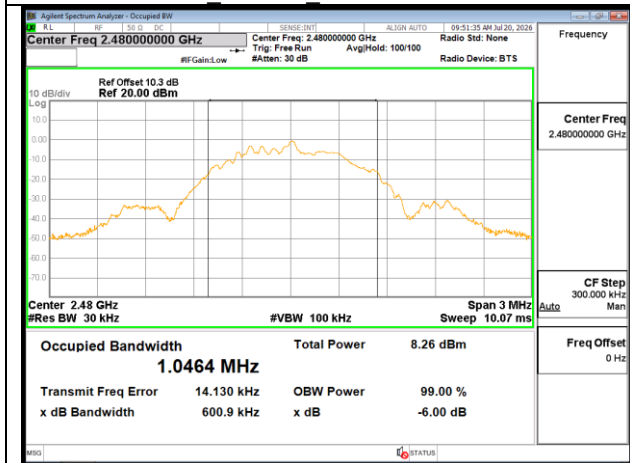
BANDWIDTH 99%



IC OBW BLE 1M_LowCH00-2402MHz



IC OBW BLE 1M_MidCH19-2440MHz



IC OBW BLE 1M_HighCH39-2480MHz

4.3 OUTPUT POWER MEASUREMENT

4.3.1 Test Limit

According to §15.247(b)(3),

Peak output power :

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

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: 26.2°C

Test date: July 20, 2026

Humidity: 58% RH

Tested by: David Li

Peak & Average output power :

BLE 1M mode:

CH	Frequency (MHz)	Power Setting	Peak Output Power (dBm)	Required Limit (dBm)
0	2402	8	2.61	30
19	2440	8	2.38	30
39	2480	8	2.23	30
CH	Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Required Limit (dBm)
0	2402	8	2.46	30
19	2440	8	2.22	30
39	2480	8	2.06	30

***Note:**

1.Measured by power meter, path loss 10.3 dB + Duty cycle factor has been offseted to the power meter for Avg. power and path loss has been offseted for Peak power measurement.

4.4 POWER SPECTRAL DENSITY

4.4.1 Test Limit

According to §15.247(e),

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: 26.2°C **Test date:** July 20, 2026
Humidity: 58% RH **Tested by:** David Li

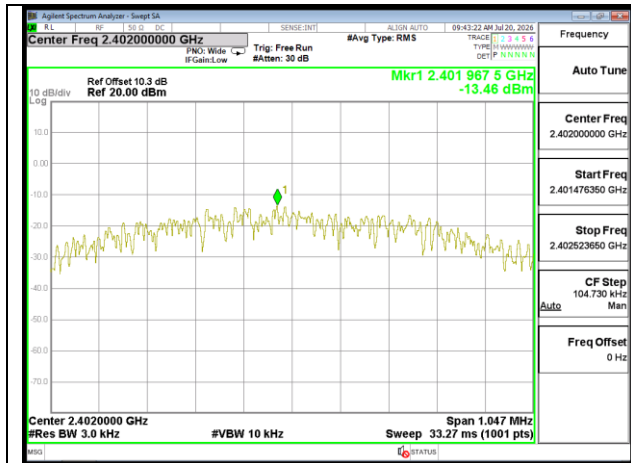
BLE 1M mode

Frequency (MHz)	RF Power Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2402	-13.46	8	PASS
2440	-13.76	8	PASS
2480	-13.95	8	PASS

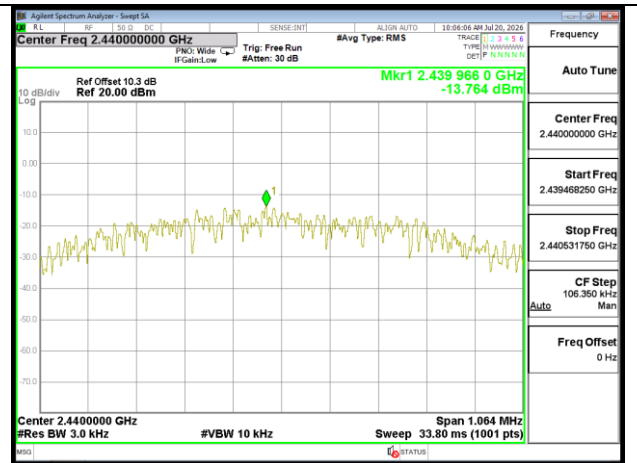
***Note:**

1.path loss as 10.3 dB that offsets in the spectrum

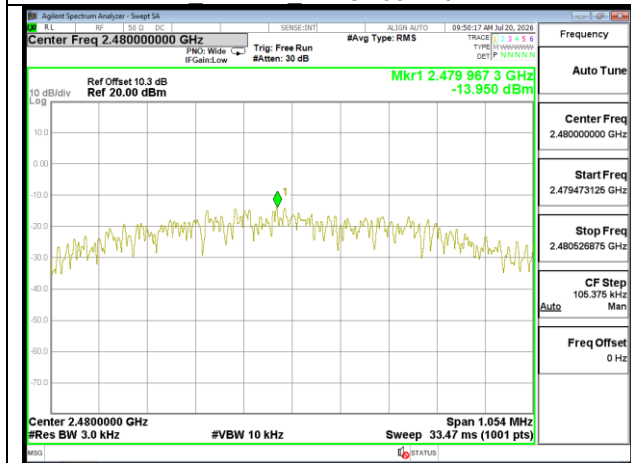
Test Data



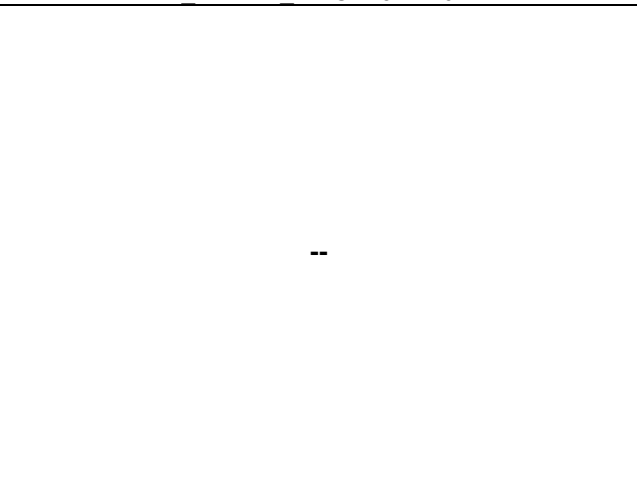
PSD BLE 1M LowCH00-2402MHz



PSD BLE 1M MidCH19-2440MHz



PSD BLE 1M HighCH39-2480MHz



4.5 CONDUCTED BAND EDGE AND SPURIOUS EMISSION

4.5.1 Test Limit

According to §15.247(d),

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).

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

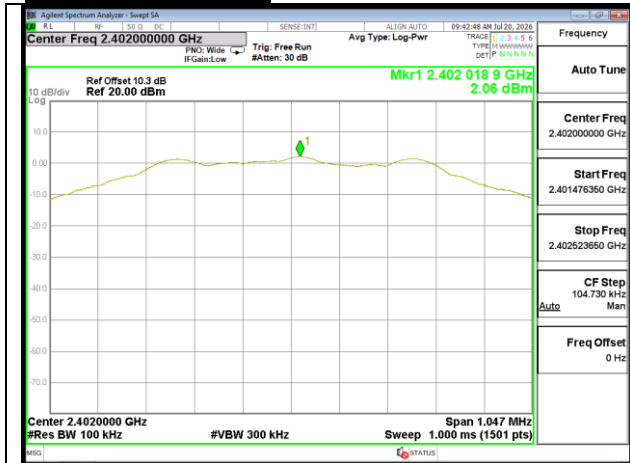
Temperature: 26.2°C

Test date: July 20, 2026

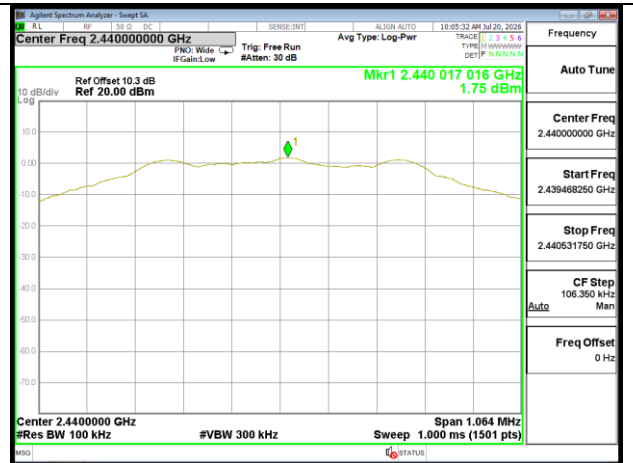
Humidity: 58% RH

Tested by: David Li

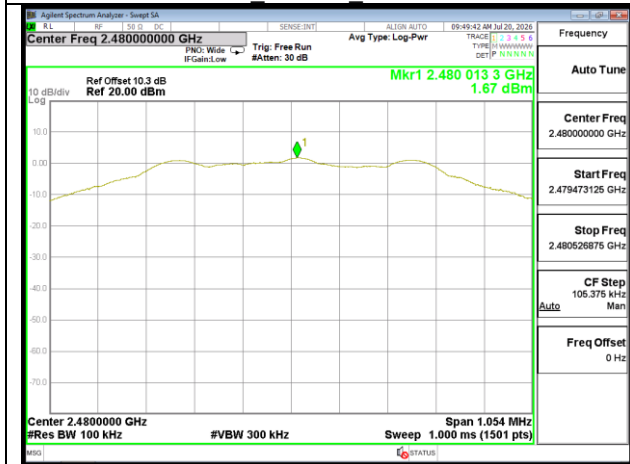
Test Data Reference Level



Reference Level BLE 1M LowCH00-2402MHz

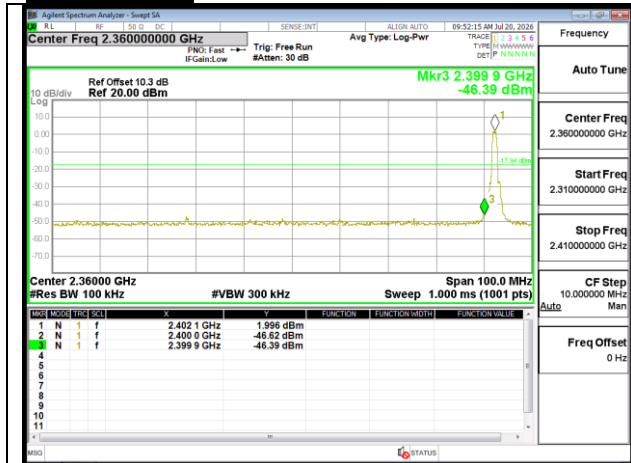


Reference Level BLE 1M MidCH19-2440MHz

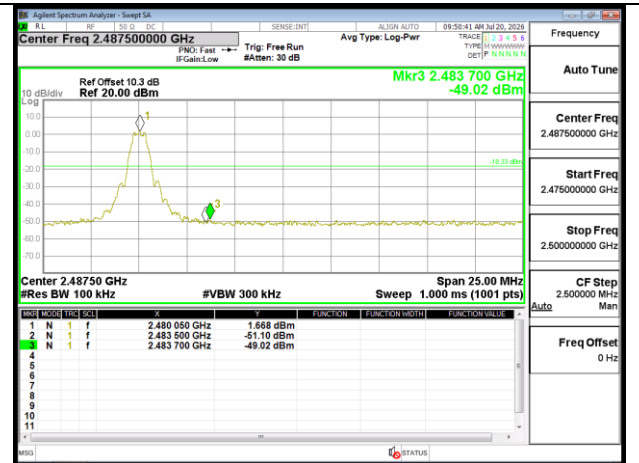


Reference Level BLE 1M HighCH39-2480MHz

Band Edge

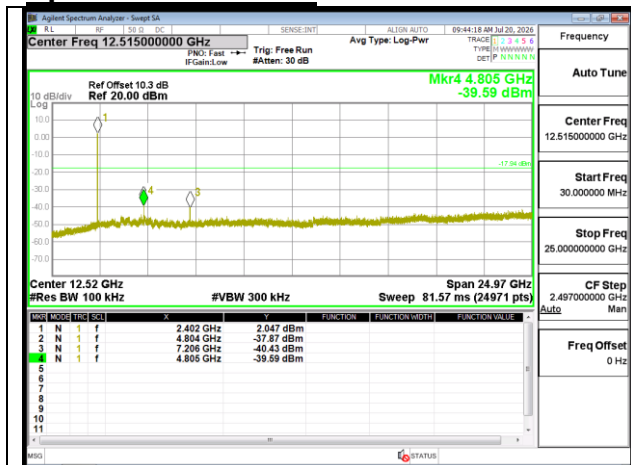


Band Edge_BLE 1M_LowCH00-2402MHz

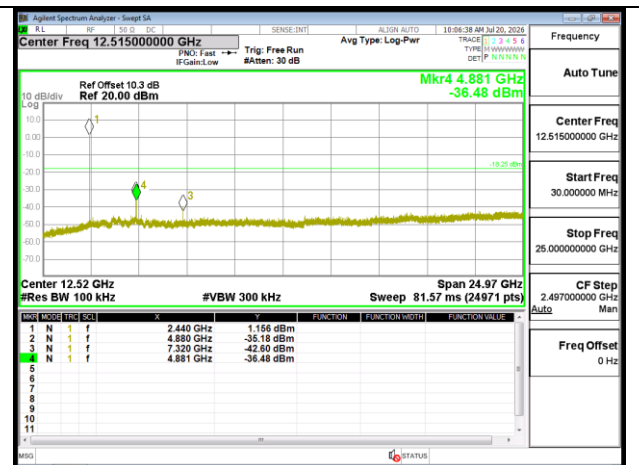


Band Edge_BLE 1M_HighCH39-2480MHz

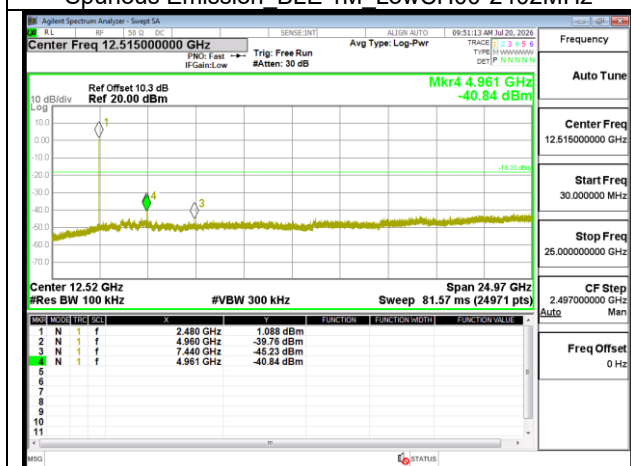
Spurious Emission



Spurious Emission_BLE 1M_LowCH00-2402MHz



Spurious Emission_BLE 1M_MidCH19-2440MHz



Spurious Emission_BLE 1M_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.

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 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.

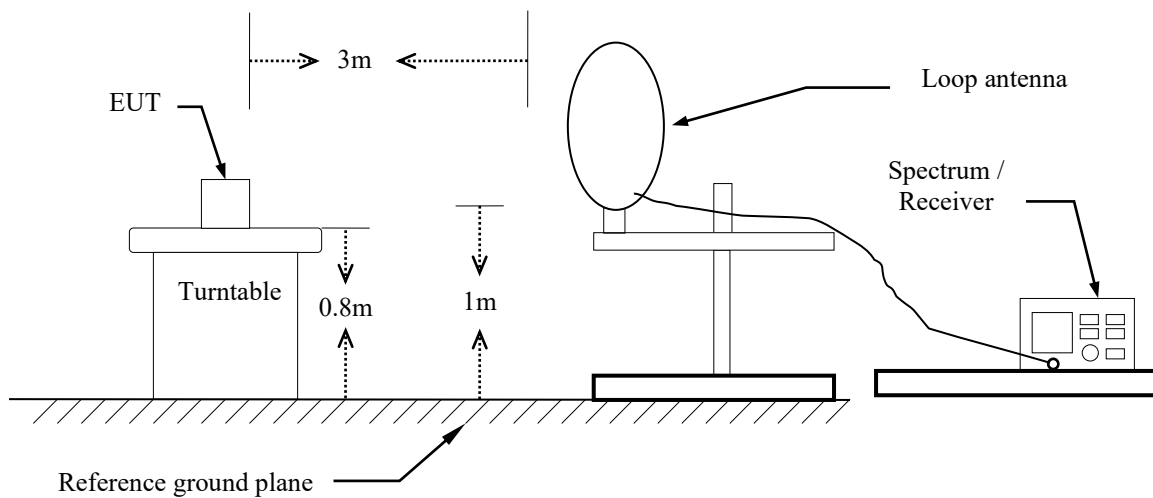
6. Data result :

Actual FS=Spectrum Reading Level + Factor

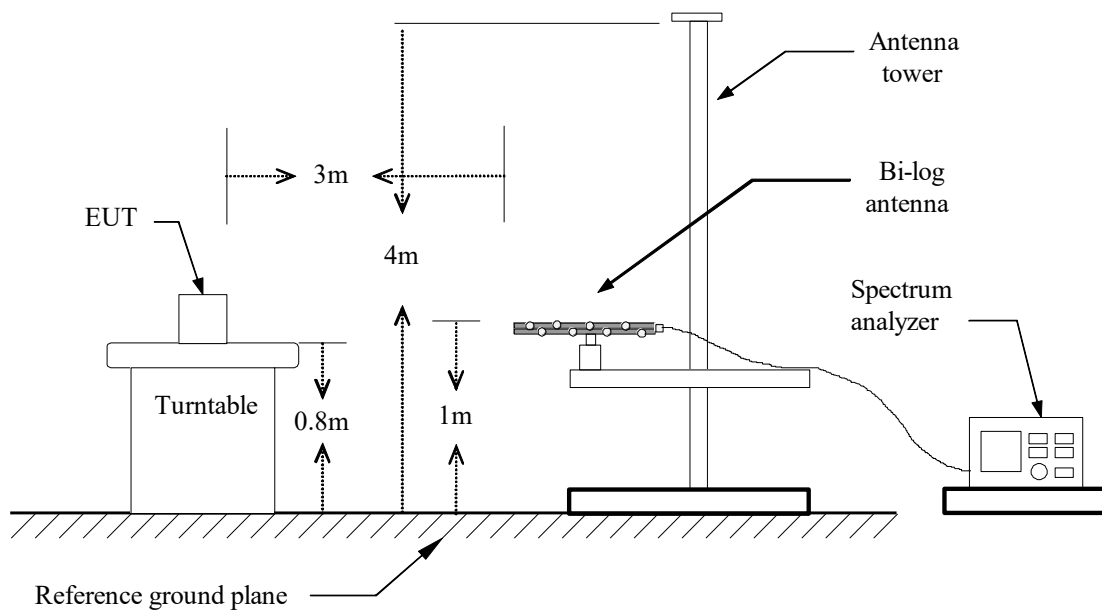
Margin=Actual FS- Limit

4.6.3 Test Setup

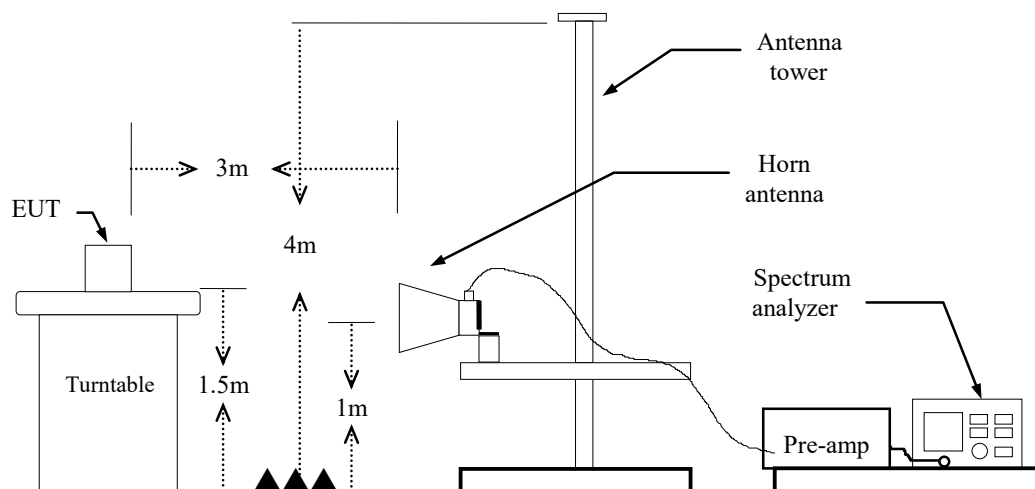
9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1 GHz

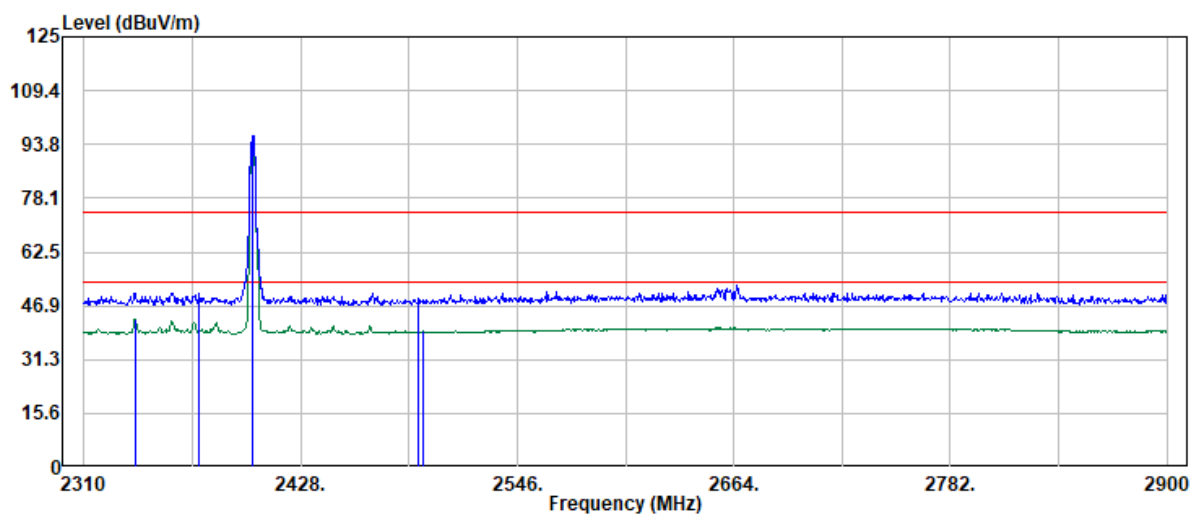


4.6.4 Test Result

Band Edge Test Data

Project No : TM-2606000326P
Operation Band : BLE_1M
Frequency : 2402 MHz
Operation Mode : Bandedge
EUT Pol : E1
Setting : 8

Test Date : 2026-07-20
Temp./Humi. : 25.4/53
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



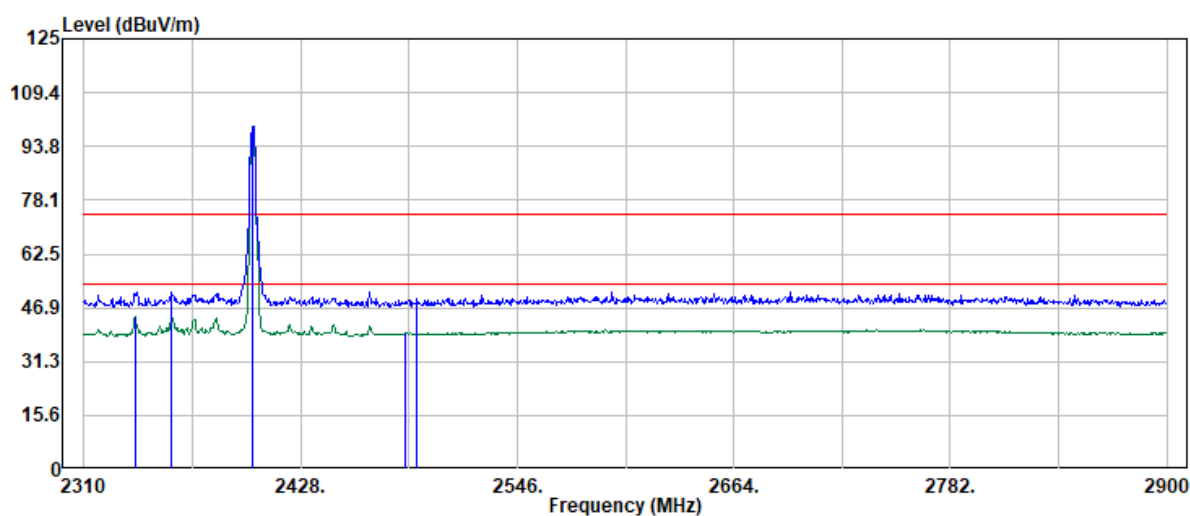
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2337.98	36.79	6.27	43.06	54.00	-10.94	Average
2372.95	44.36	6.19	50.55	74.00	-23.45	Peak
2402.00	90.33	6.11	96.44	--	--	Peak
2402.00	89.79	6.11	95.90	--	--	Average
2492.35	42.27	6.56	48.83	74.00	-25.17	Peak
2494.84	32.92	6.56	39.48	54.00	-14.52	Average

Project No: TM-2606000326P
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Project No : TM-2606000326P
Operation Band : BLE_1M
Frequency : 2402 MHz
Operation Mode : Bandedge
EUT Pol : E1
Setting : 8

Test Date : 2026-07-20
Temp./Humi. : 25.4/53
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



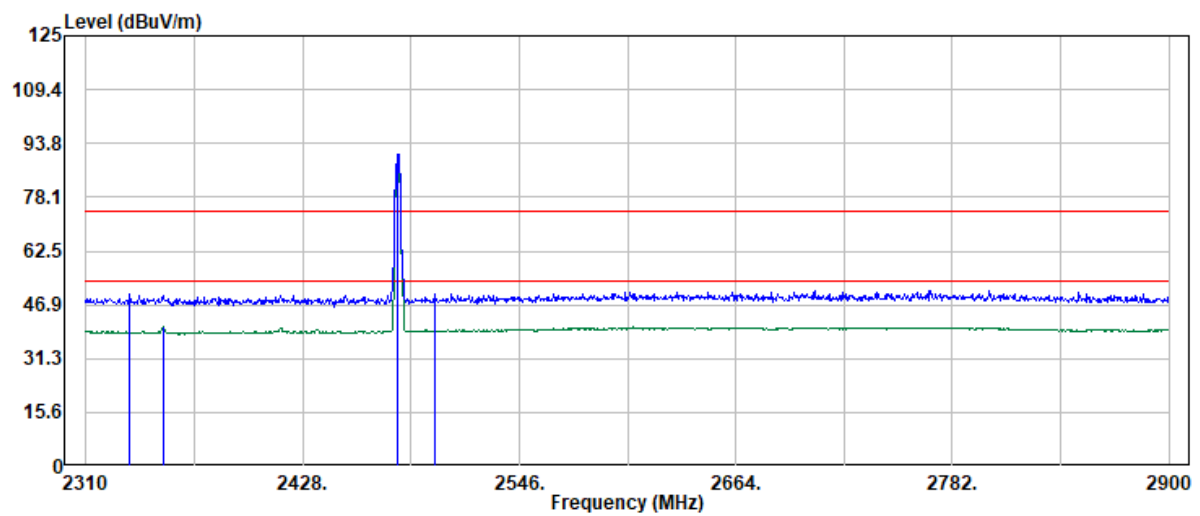
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2337.98	38.12	6.27	44.39	54.00	-9.61	Average
2357.46	45.29	6.13	51.42	74.00	-22.58	Peak
2402.00	93.52	6.11	99.63	--	--	Peak
2402.00	92.86	6.11	98.97	--	--	Average
2485.35	33.15	6.50	39.65	54.00	-14.35	Average
2491.35	43.00	6.56	49.56	74.00	-24.44	Peak

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Project No : TM-2606000326P
Operation Band : BLE_1M
Frequency : 2480 MHz
Operation Mode : Bandedge
EUT Pol : E1
Setting : 8

Test Date : 2026-07-20
Temp./Humi. : 25.4/53
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



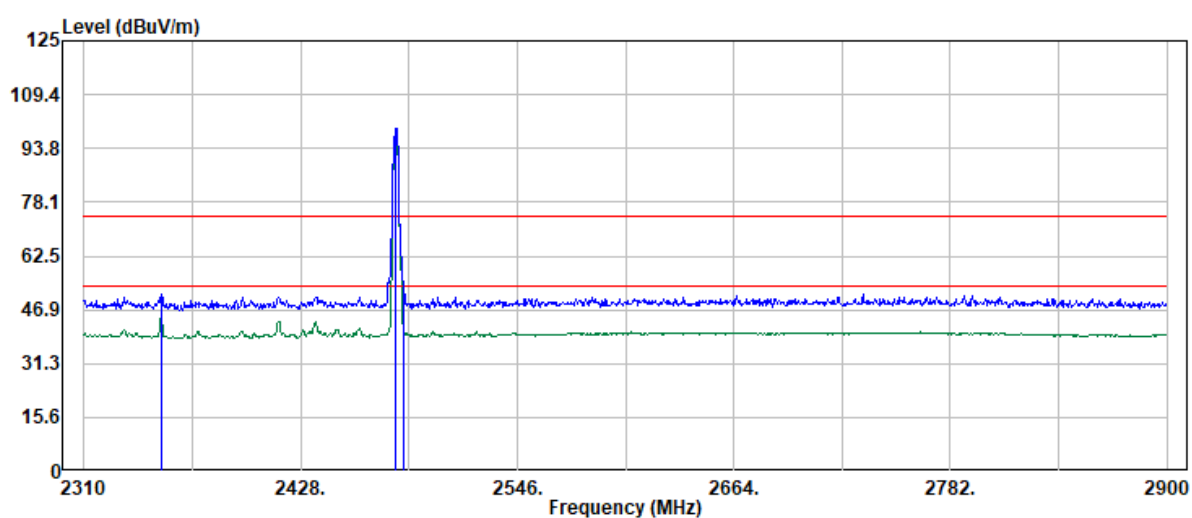
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2333.98	43.69	6.22	49.91	74.00	-24.09	Peak
2351.96	34.40	6.19	40.59	54.00	-13.41	Average
2480.00	84.14	6.44	90.58	--	--	Peak
2480.00	83.56	6.44	90.00	--	--	Average
2499.84	43.28	6.57	49.85	74.00	-24.15	Peak
2499.84	32.86	6.57	39.43	54.00	-14.57	Average

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Rev: 00

Project No : TM-2606000326P
Operation Band : BLE_1M
Frequency : 2480 MHz
Operation Mode : Bandedge
EUT Pol : E1
Setting : 8

Test Date : 2026-07-20
Temp./Humi. : 25.4/53
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
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
2351.96	38.66	6.19	44.85	54.00	-9.15	Average
2352.46	45.34	6.19	51.53	74.00	-22.47	Peak
2480.00	93.26	6.44	99.70	--	--	Peak
2480.00	92.71	6.44	99.15	--	--	Average
2483.85	47.76	6.49	54.25	74.00	-19.75	Peak
2483.85	34.76	6.49	41.25	54.00	-12.75	Average

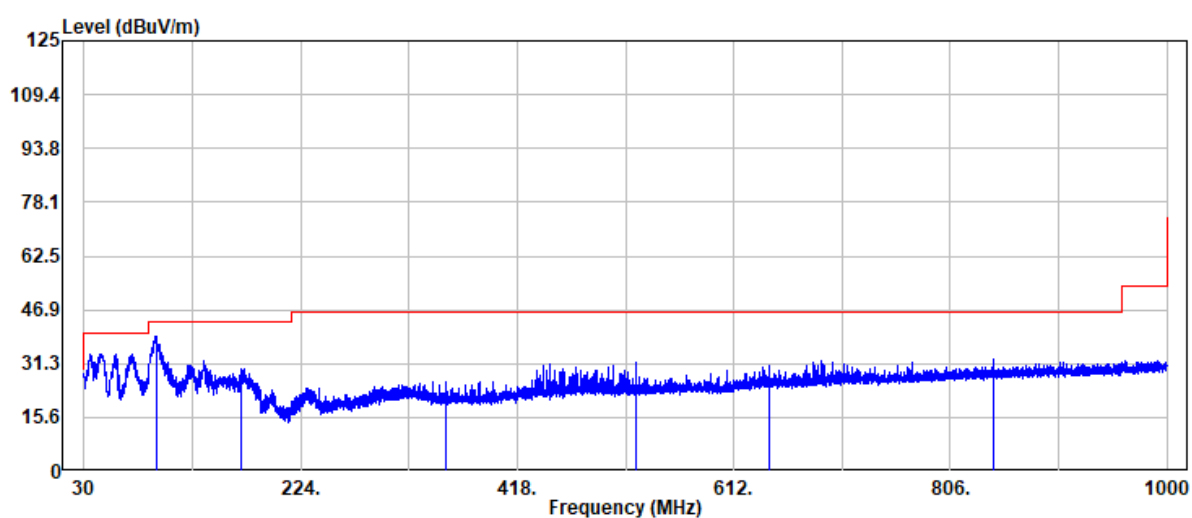
Project No: TM-2606000326P
Report No.: TMWK2606002807KR

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TX Test Data

Project No : TM-2606000326P
Operation Band : BLE_1M
Frequency : 2440 MHz
Operation Mode : TX
EUT Pol : H
Setting :

Test Date : 2026-07-20
Temp./Humi. : 25.4/53
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



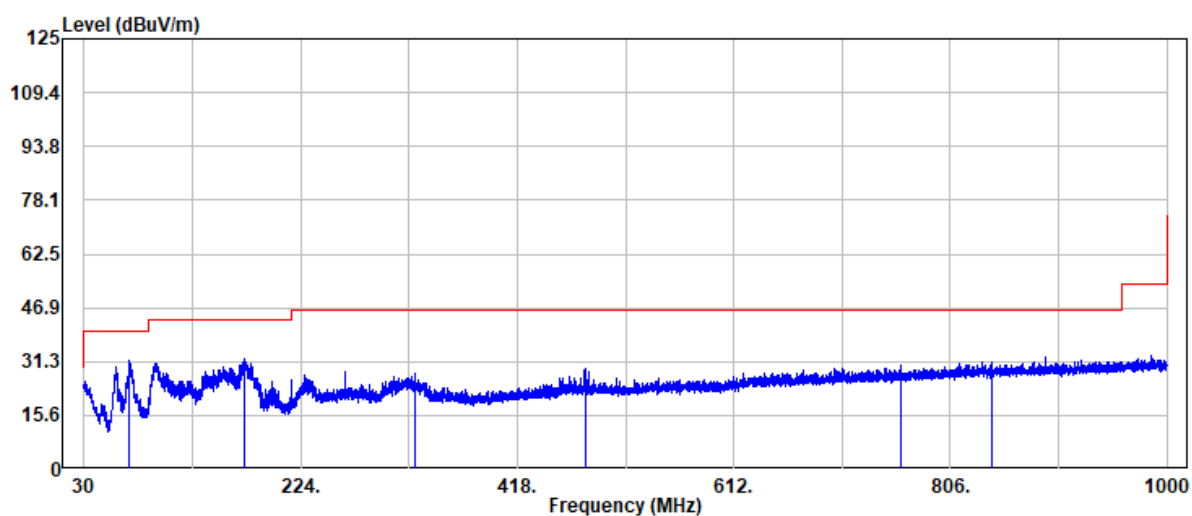
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
94.90	54.17	-14.94	39.23	43.50	-4.27	Peak
170.80	41.58	-11.58	30.00	43.50	-13.50	Peak
354.40	33.73	-7.93	25.80	46.00	-20.20	Peak
524.90	35.68	-4.07	31.61	46.00	-14.39	Peak
643.90	32.45	-1.60	30.85	46.00	-15.15	Peak
844.60	31.40	0.97	32.37	46.00	-13.63	Peak

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Project No : TM-2606000326P
Operation Band : BLE_1M
Frequency : 2440 MHz
Operation Mode : TX
EUT Pol : H
Setting :

Test Date : 2026-07-20
Temp./Humi. : 25.4/53
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



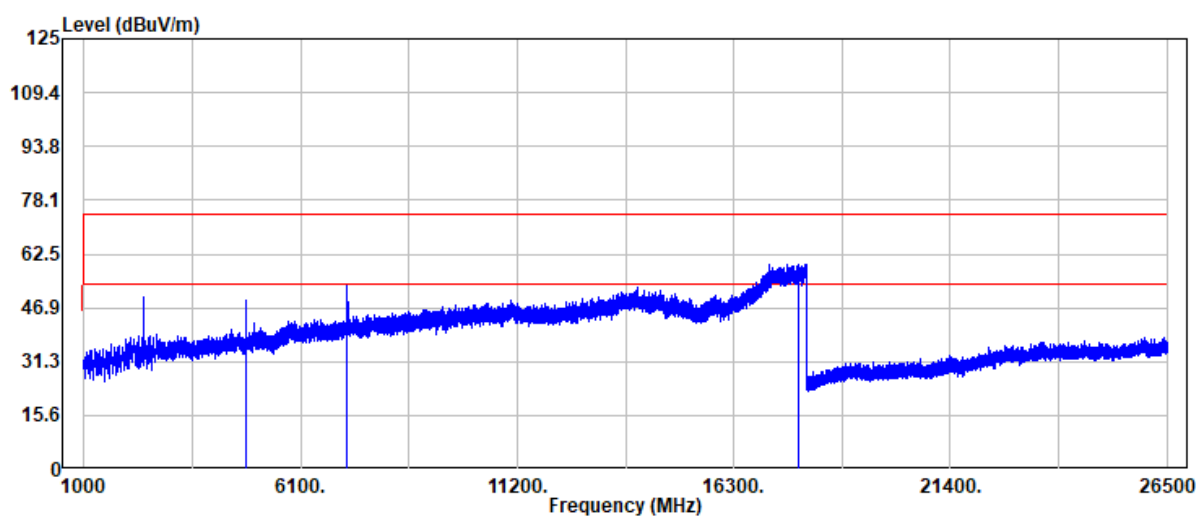
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
71.00	47.19	-15.46	31.73	40.00	-8.27	Peak
173.00	44.36	-11.86	32.50	43.50	-11.00	Peak
326.40	36.59	-8.81	27.78	46.00	-18.22	Peak
480.00	33.43	-4.41	29.02	46.00	-16.98	Peak
762.40	30.36	-0.26	30.10	46.00	-15.90	Peak
843.60	29.98	0.95	30.93	46.00	-15.07	Peak

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Project No : TM-2606000326P
Operation Band : BLE_1M
Frequency : 2402 MHz
Operation Mode : TX
EUT Pol : E1
Setting : 8

Test Date : 2026-07-20
Temp./Humi. : 25.4/53
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



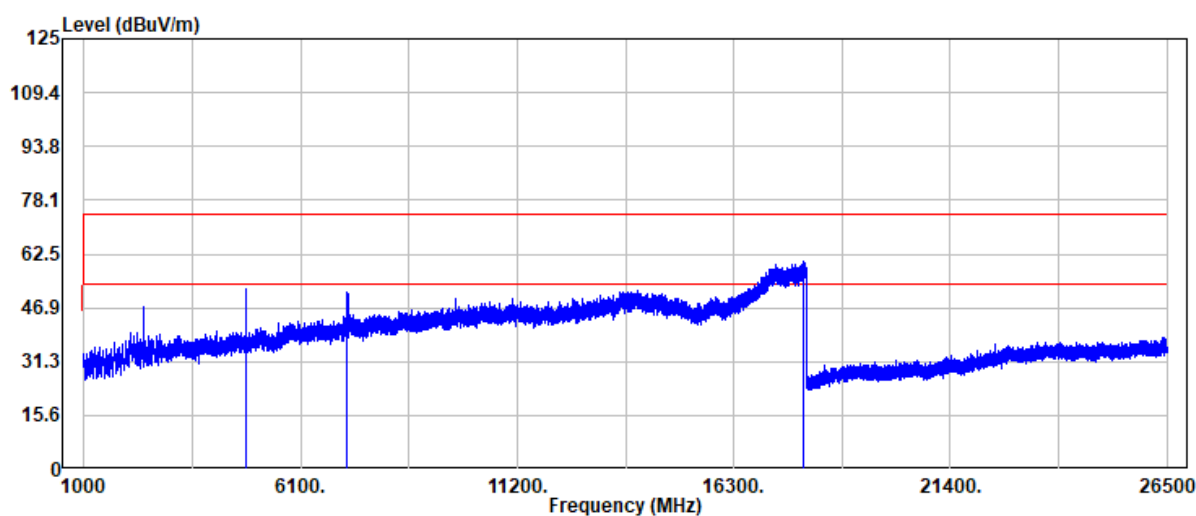
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4804.00	46.93	2.34	49.27	74.00	-24.73	Peak
4804.00	44.86	2.34	47.20	54.00	-6.80	Average
7206.00	44.60	9.08	53.68	74.00	-20.32	Peak
7206.00	41.06	9.08	50.14	54.00	-3.86	Average
17830.00	34.26	25.39	59.65	74.00	-14.35	Peak
17830.00	23.86	25.39	49.25	54.00	-4.75	Average

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Project No : TM-2606000326P
Operation Band : BLE_1M
Frequency : 2402 MHz
Operation Mode : TX
EUT Pol : E1
Setting : 8

Test Date : 2026-07-20
Temp./Humi. : 25.4/53
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



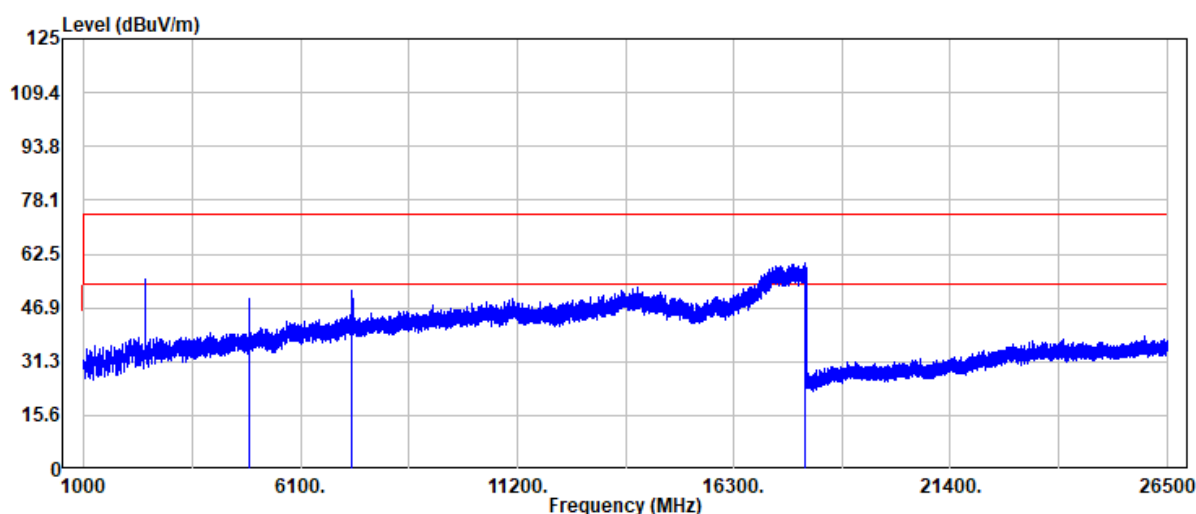
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4804.00	49.84	2.34	52.18	74.00	-21.82	Peak
4804.00	47.39	2.34	49.73	54.00	-4.27	Average
7206.00	42.35	9.08	51.43	74.00	-22.57	Peak
7206.00	39.48	9.08	48.56	54.00	-5.44	Average
17924.00	34.91	25.27	60.18	74.00	-13.82	Peak
17924.00	24.76	25.27	50.03	54.00	-3.97	Average

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Project No : TM-2606000326P
Operation Band : BLE_1M
Frequency : 2440 MHz
Operation Mode : TX
EUT Pol : E1
Setting : 8

Test Date : 2026-07-20
Temp./Humi. : 25.4/53
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



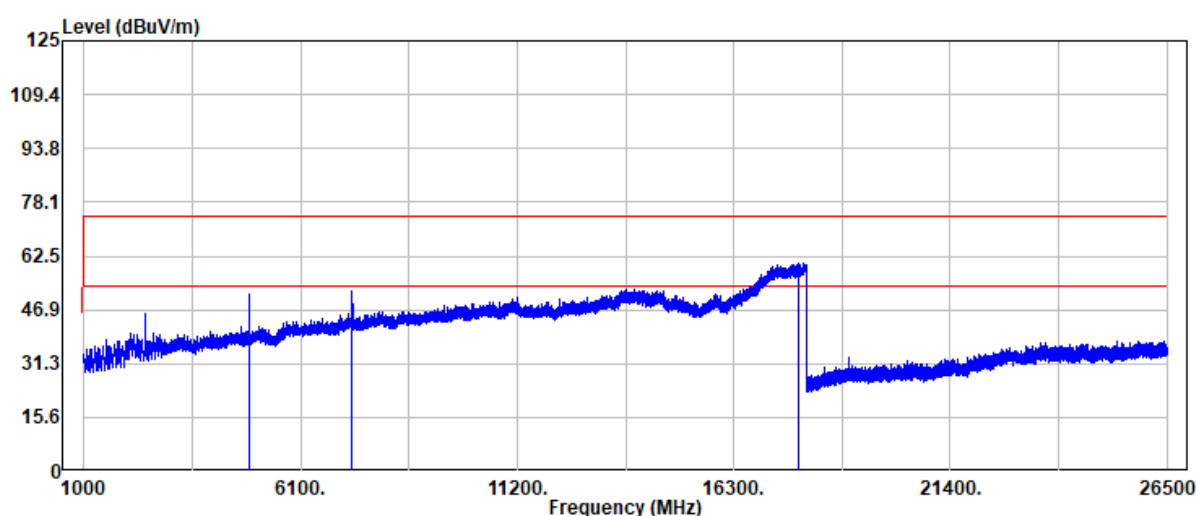
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4880.00	47.09	2.55	49.64	74.00	-24.36	Peak
4880.00	44.48	2.55	47.03	54.00	-6.97	Average
7320.00	42.74	9.14	51.88	74.00	-22.12	Peak
7320.00	40.22	9.14	49.36	54.00	-4.64	Average
17976.00	33.95	26.05	60.00	74.00	-14.00	Peak
17976.00	23.49	26.05	49.54	54.00	-4.46	Average

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Project No : TM-2606000326P
Operation Band : BLE_1M
Frequency : 2440 MHz
Operation Mode : TX
EUT Pol : E1
Setting : 8

Test Date : 2026-07-20
Temp./Humi. : 25.4/53
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



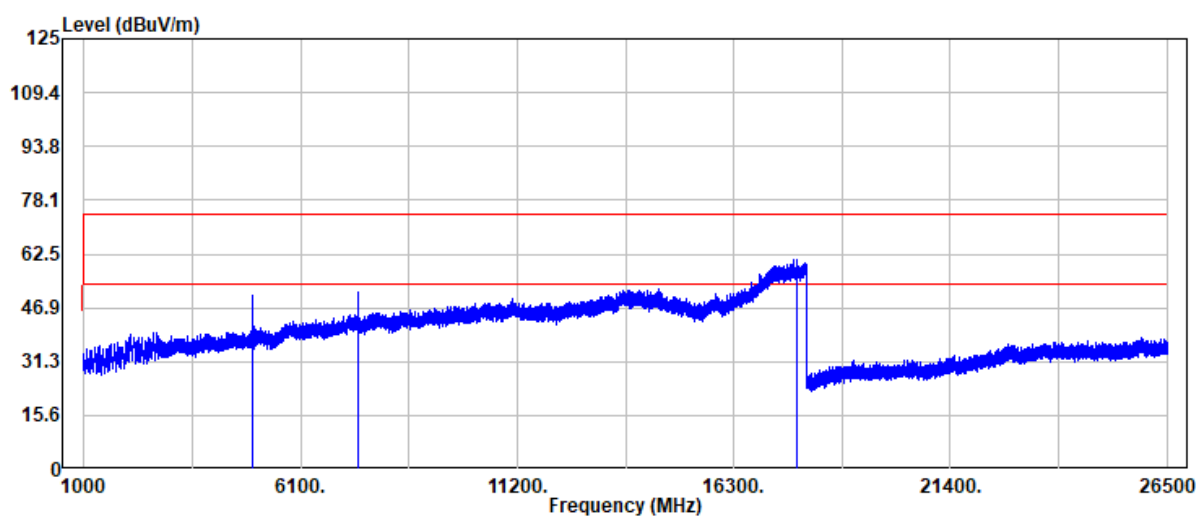
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4880.00	48.96	2.55	51.51	74.00	-22.49	Peak
4880.00	45.28	2.55	47.83	54.00	-6.17	Average
7320.00	43.84	9.14	52.98	74.00	-21.02	Peak
7320.00	39.11	9.14	48.25	54.00	-5.75	Average
17819.00	34.98	25.45	60.43	74.00	-13.57	Peak
17819.00	24.97	25.45	50.42	54.00	-3.58	Average

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Project No : TM-2606000326P
Operation Band : BLE_1M
Frequency : 2480 MHz
Operation Mode : TX
EUT Pol : E1
Setting : 8

Test Date : 2026-07-20
Temp./Humi. : 25.4/53
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



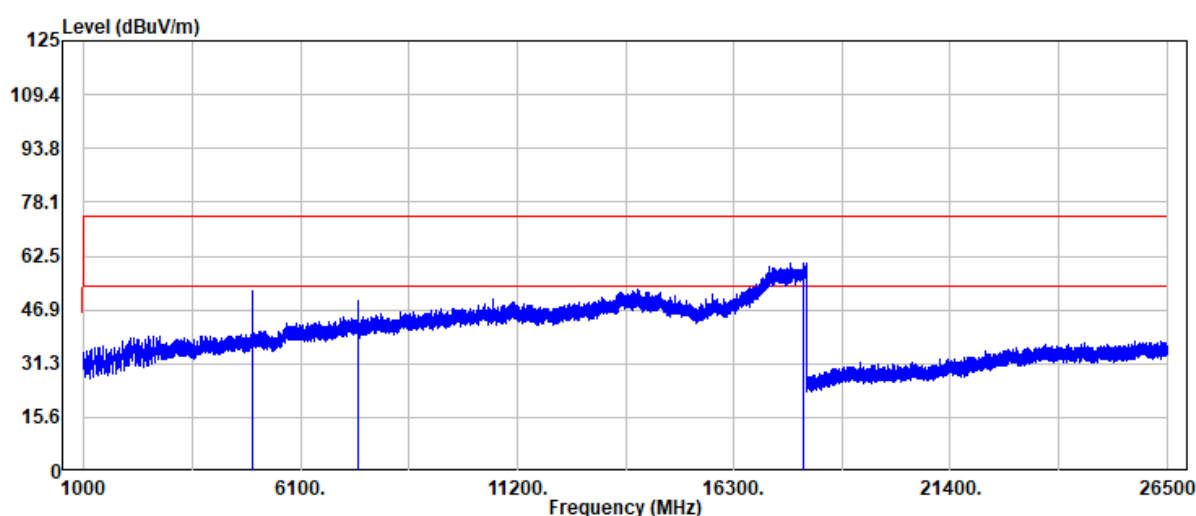
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4960.00	46.89	3.40	50.29	74.00	-23.71	Peak
4960.00	43.71	3.40	47.11	54.00	-6.89	Average
7440.00	42.87	9.07	51.94	74.00	-22.06	Peak
7440.00	39.27	9.07	48.34	54.00	-5.66	Average
17771.00	36.05	25.00	61.05	74.00	-12.95	Peak
17771.00	23.71	25.00	48.71	54.00	-5.29	Average

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Project No : TM-2606000326P
Operation Band : BLE_1M
Frequency : 2480 MHz
Operation Mode : TX
EUT Pol : E1
Setting : 8

Test Date : 2026-07-20
Temp./Humi. : 25.4/53
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
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	49.15	3.40	52.55	74.00	-21.45	Peak
4960.00	46.23	3.40	49.63	54.00	-4.37	Average
7440.00	40.43	9.07	49.50	74.00	-24.50	Peak
7440.00	37.83	9.07	46.90	54.00	-7.10	Average
17952.00	34.99	25.38	60.37	74.00	-13.63	Peak
17952.00	23.85	25.38	49.23	54.00	-4.77	Average

- End of Test Report -