ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

EUT Description:	Gizmo Watch 4
Applicant:	FIH CO., LTD. No.4, Minsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan
Manufacturer:	FIH CO., LTD. No.4, Minsheng St., Tu-Cheng Dist., New Taipei City 23679, Taiwan
Brand Name:	Verizon
Model No.	FPLX26
Report Number:	TERF2512004207E2
FCC ID	RYQFPLX26
Date of EUT Received:	November 26, 2025
Date of Test:	December 10, 2025 ~ February 4, 2026
Issue Date:	February 10, 2026

Approved By Arno Hsieh

Arno Hsieh

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 and the energy emitted by the sample EUT comply with FCC rule part §15.247.

The results of this report relate only to the sample identified in this report.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2512004207E2	00	Original	February 10, 2026	Susan Lin	

Note:

1、The remark "*" indicates modification of the report upon requests from certification body.

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1 GENERAL INFORMATION

1.1 Product Description

EUT Description	Gizmo Watch 4
Brand Name	Verizon
Model No.	FPLX26
Hardware Version	N/A
Firmware Version	N/A
EUT Series No.	N/A
Power Supply	3.87 Vdc from Battery
Test Software (Name/Version)	Qualcomm Radio Control Toolkit v4.1/V 4.0.172.2

1.2 RF Specification

Radio Technology	BLE
Frequency Range	2402 ~ 2480MHz
Channel number	40 channels
Modulation type	GFSK
Transmit Power	BLE 1M: 8.77 dBm BLE 2M: 8.97 dBm

1.3 Antenna Designation

Ant. Type	Freq. (MHz)	Peak Gain(dBi)
PIFA	2400~2483.5	-4.075

Note:

1 Pre-scanned was done on the above antennas, measurements were demonstrated by using the antenna with the highest gain as the worst case scenarios.

2 The antenna information is provided by the applicant. The laboratory does not verify the accuracy of this information, and all test results related to antenna characteristics are based solely on the data supplied. Responsibility for the authenticity and accuracy of these specifications rests entirely with the party who provided the information.

3 The antenna complies with part 15.203 requirement and no consideration of replacement. Please see EUT photo for details.

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1.4 2nd PCB+2nd battery+2nd memory Information

Item	Brand Name	Model no.	Spec.
Battery-2nd	Mic-power	MA452728LA	3.87V, 0.5A,505mAh
PCB-2nd	AVARY	H0CX0203C00	FR4 10L_0.65mm_9 to 1
Memory-2nd	LONGSYS	FAPEA3216-58C2930	32GB
Memory-2nd	Kingston	32EP16-M4MTC2W-GA68-R	32GB
Memory-2nd	LONGSYS	FAPEA6416-A3N1130	64GB

1.5 Operating Frequencies

2400~2483.5 MHz							
CH	Freq.	CH	Freq.	CH	Freq.	CH	Freq.
0	2402 MHz	1	2404 MHz	2	2406 MHz	3	2408 MHz
4	2410 MHz	5	2412 MHz	6	2414 MHz	7	2416 MHz
8	2418 MHz	9	2420 MHz	10	2422 MHz	11	2424 MHz
12	2426 MHz	13	2428 MHz	14	2430 MHz	15	2432 MHz
16	2434 MHz	17	2436 MHz	18	2438 MHz	19	2440 MHz
20	2442 MHz	21	2444 MHz	22	2446 MHz	23	2448 MHz
24	2450 MHz	25	2452 MHz	26	2454 MHz	27	2456 MHz
28	2458 MHz	29	2460 MHz	30	2462 MHz	31	2464 MHz
32	2466 MHz	33	2468 MHz	34	2470 MHz	35	2472 MHz
36	2474 MHz	37	2476 MHz	38	2478 MHz	39	2480 MHz

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1.6 EUT Availability and The Worst Test Modes

1. Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.
2. The field strength of radiation emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.
3. Investigation has been done on all the possible configurations for searching the worst case. The given UE is pre-scanned among below modes.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
CONDUCTED TEST				
Bluetooth LE_1M	0 to 39	0,20,39	GFSK	1
Bluetooth LE_2M	0 to 39	0,20,39	GFSK	2

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz)				
Bluetooth LE_1M	0 to 39	20	GFSK	1
TRANSMIT RADIATED EMISSION TEST (ABOVE 1 GHz)				
Bluetooth LE_1M	0 to 39	0,20,39	GFSK	1
Bluetooth LE_2M	0 to 39	0,20,39	GFSK	2
Note: The field strength of radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for channel Low, Mid and High, the worst case position was reported.				

Spot Check for 2nd PCB+2nd battery+2nd memory

TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz)				
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
Bluetooth LE	0 to 39	20	GFSK	1

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2 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§15.207(a)	AC Power Line Conducted Emission	Compliant
§15.247(b) (3)	Peak Output Power	Compliant
§15.247(a)(2)	Emission Bandwidth	Compliant
§15.205 §15.209 §15.247(d)	Out of Band Emission	Compliant
§15.205 §15.209 §15.247(d)	Unwanted Emission	Compliant
§15.247(e)	Power Spectral Density	Compliant
§15.203	Antenna Requirement	Compliant

2.1 Test Methodology of Applied Standards

1 FCC Part 15, Subpart C §15.247
2 FCC KDB 558074 D01 15.247 Meas Guidance v05r02
3 ANSI C63.10:2020

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2.2 Measurement Uncertainty

Test Items	Uncertainty
AC Power Line Conducted Emission	+/- 1.54 dB
Output Power measurement	+/- 0.97 dB
Emission Bandwidth	+/- 1.38 Hz
Conducted emission measurement	+/- 0.77 dB
Peak Power Density	+/- 0.61 dB
Temperature	+/- 0.60 °C
Humidity	+/- 3.00 %
DC / AC Power Source	+/- 1.00 %

Radiated Spurious Emission Measurement Uncertainty		
Polarization: Vertical	+/- 1.89 dB	9kHz - 30MHz
	+/- 4.10 dB	30MHz - 1000MHz
	+/- 3.37 dB	1GHz - 18GHz
	+/- 3.83 dB	18GHz - 40GHz
Polarization: Horizontal	+/- 1.89 dB	9kHz - 30MHz
	+/- 4.10 dB	30MHz - 1000MHz
	+/- 3.37 dB	1GHz - 18GHz
	+/- 3.83 dB	18GHz - 40GHz
Radiated Spurious Emission	+/- 2.00 dB	33GHz - 50GHz
	+/- 1.59 dB	50GHz - 60GHz
	+/- 1.71 dB	60GHz - 90GHz
	+/- 1.64 dB	90GHz - 140GHz
	+/- 3.84 dB	140GHz - 220GHz

Note

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

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2.3 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number / Registration Number	IC CAB identifier / Company Number
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803	SAC 1 / SAC 2 / SAC 3 Conduction 1 / Conducted 1 Conducted 2 / Conducted 3 Conducted 4 / Conducted 5 Conducted 6	TW0027 / 891563	TW3702 / 4620A
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.2, Keji 1st Rd, Guishan District, Taoyuan City, Taiwan 333	SAC C / SAC D / SAC G Conduction C/ Conducted A Conducted B / Conducted C Conducted D / Conducted E Conducted F / Conducted G	TW0028 / 200037	TW3702 / 4620E

Test Condition	Test Site name	Test Engineer	Test Environment (T&H)	Test Date
Conducted	Conducted E	Henry Chiang	22.2~23.4°C / 67~63%	2025/12/12 ~ 2025/12/18

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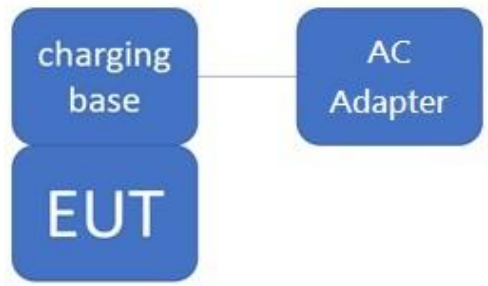
3 CONTROL UNIT(S) AND PERIPHERAL(S)

3.1 EUT Exercise

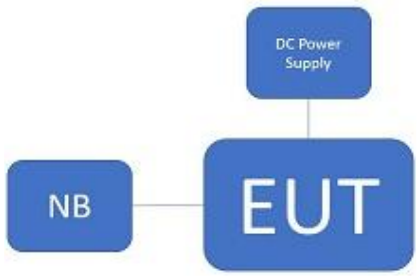
An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.
The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

3.2 Diagrams

Conduction Setup



Conducted Setup



Radiated Setup

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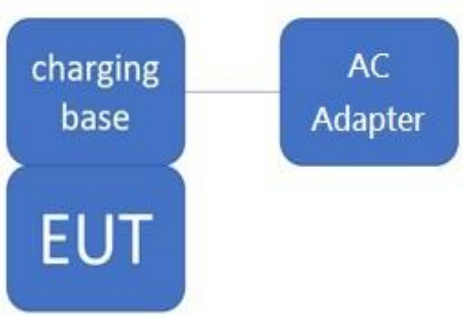
Spot Check for 2nd PCB+2nd battery+2nd memory

Conduction Setup	Radiated Setup
	

3.3 List

3.3.1 Conduction Setup

AC Power-Line Conducted Emission Test Site: Conduction C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Adapter	HUAWEI	HW-200325UP0	N/A	N/A	N/A
Wireless charger	Dongguan Aohai Technology Co.,Ltd	W701	N/A	N/A	N/A

Spot Check for 2nd PCB+2nd battery+2nd memory

AC Power-Line Conducted Emission Test Site: Conduction C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Adapter	huawei	Hw-200325cp0	N/A	N/A	N/A
Wireless charger	Dongguan Aohai Technology Co.,Ltd	W701	N/A	N/A	N/A

3.3.2 Conducted Setup

Conducted Emission Test Site: Conducted E					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
USB Cable	Qionho	USB-C100	N/A	N/A	N/A
Notebook	Lenove	T490	P0002550	N/A	N/A

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3.3.3 Radiated Setup

Radiated Emission Test Site: SAC C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Notebook	Lenovo	L495	P0002604	N/A	N/A
USB Cable	Qionho	USB-C100	N/A	N/A	N/A

Spot Check for 2nd PCB+2nd battery+2nd memory

Radiated Emission Test Site: SAC C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Notebook	Lenovo	T470	P0001293	N/A	N/A
USB Cable	I Max	USB-C1200	N/A	N/A	N/A

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4 TEST INSTRUMENT

4.1 Conducted Measurement

Conducted Emission Test Site: Conducted E					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Attenuator	Marvelous	MVE2213-10	RF05	11/13/2025	11/12/2026
DC Block	PASTERNACK	PE8210	RF34	11/13/2025	11/12/2026
DC Power Supply	Gwinstek	SPD-3606	GEV923152	05/21/2025	05/20/2026
Power Meter	Anritsu	ML2496A	1326001	07/29/2025	07/28/2026
Power Sensor	Anritsu	MA2411B	1315048	07/29/2025	07/28/2026
Power Sensor	Anritsu	MA2411B	1315049	07/29/2025	07/28/2026
Spectrum Analyzer	KEYSIGHT	N9010A	MY57120200	04/02/2025	04/01/2026
Test Software	SGS Taiwan	Radio Test Software	Ver.21	N.C.R	N.C.R

4.2 Radiated Measurement

Radiated Emission Test Site: SAC C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
3m Site NSA	SGS	966 chamber C	N/A	03/02/2025	03/01/2026
Attenuator	Woken	WATT-218FS-10	RF17	11/13/2025	11/12/2026
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-300	11/14/2025	11/13/2026
Coaxial Cable	EMCI+Huber Suhner	RG 214/U+EMC104-SM-SM-6000+EMC105-SM-SM-12000+15	W13.01+150813+2310002+15	11/13/2025	11/12/2026
EMI Test Receiver	R&S	ESU 40	100363	05/06/2025	05/05/2026
Highpass Filter	R&S	F13 HPF 3GHz	RF160	11/13/2025	11/12/2026
Horn Antenna	Schwarzbeck	BBHA9120D	1187	02/05/2025	02/04/2026
Horn Antenna	Schwarzbeck	BBHA9120D	1341	05/29/2025	05/28/2026
Horn Antenna	Schwarzbeck	BBHA9170	184	12/20/2024	12/19/2025
Lowpass Filter	Woken	EWT-56-0019	RF156	11/13/2025	11/12/2026
Notch Filter	Micro-Tronics	BRM50701-02	RF201	11/13/2025	11/12/2026
Pre-Amplifier	EMC Instruments	EMC118A45SE	980789	11/13/2025	11/12/2026
Pre-Amplifier	EMC Instruments	EMC184045SEE	980881	11/13/2025	11/12/2026
Pre-Amplifier	EMC Instruments	EMC330	980091	11/13/2025	11/12/2026
Spectrum Analyzer	KEYSIGHT	N9010B	MY63440390	02/13/2025	02/12/2026
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R

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Spot Check for 2nd PCB+2nd battery+2nd memory

Radiated Emission Test Site: SAC C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
3m Site NSA	SGS	966 chamber C	N/A	03/02/2025	03/01/2026
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-617	12/23/2025	12/22/2026
Coaxial Cable	EMCI+Huber Suhner	RG 214/U+EMC104-SM-SM-6000+EMC105-SM-SM-12000+15	W13.01+150813+2310002+15	11/13/2025	11/12/2026
EMI Test Receiver	R&S	ESU 40	100363	05/06/2025	05/05/2026
Pre-Amplifier	EMC Instruments	EMC330	980091	11/13/2025	11/12/2026
Spectrum Analyzer	KEYSIGHT	N9010B	MY63440390	02/13/2025	02/12/2026
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R

4.3 Emission from AC power line

AC Power-Line Conducted Emission Test Site: Conduction C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Coaxial Cable	EC Lab	RF-HY-CAB-250	RF-HY-CAB-250-01	03/27/2025	03/26/2026
EMI Test Receiver	R&S	ESCI	101342	04/23/2025	04/22/2026
LISN	SCHWARZBECK Mess-Elektronik	NSLK8127	974	06/30/2025	06/29/2026
Pulse Limiter	EC Lab	VTSD 9561F-N	485	03/27/2025	03/26/2026
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R

Spot Check for 2nd PCB+2nd battery+2nd memory

AC Power-Line Conducted Emission Test Site: Conduction C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Coaxial Cable	EC Lab	RF-HY-CAB-250	RF-HY-CAB-250-01	03/27/2025	03/26/2026
EMI Test Receiver	R&S	ESCI	101342	04/23/2025	04/22/2026
LISN	SCHWARZBECK Mess-Elektronik	NSLK8127	974	06/30/2025	06/29/2026
Pulse Limiter	EC Lab	VTSD 9561F-N	485	03/27/2025	03/26/2026
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R

NOTE: N.C.R refers to Not Calibrated Required.

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5 REGULATORY REQUIREMENTS

5.1 Emission Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

5.2 Duty Cycle

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle.
All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

5.3 Maximum Output Power

FCC
For systems using digital modulation in the 2400-2483.5 MHz bands, the limit for peak output power is 1Watt.
If the transmitting antenna of directional gain greater than 6dBi are used the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the Antenna exceeds 6dBi.
In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of Antenna exceeds 6dBi.

Note:
When the antenna gain is greater than 6 dBi, the power limit attenuated accordingly.

5.4 Maximum Power Spectral Density

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

5.5 Out of Band Emission

For emissions in non-restricted frequency bands, in any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

5.6 Unwanted Emissions

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either

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an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.
In addition, radiated emissions which fall in the restricted bands must also comply with the applicable radiated emission limit tables.
Moreover, for an intentional radiator operating below 10 GHz, the frequency range of measurements shall extend up to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(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.		

5.7 AC Power Line Conducted Emission

Frequency range within 150kHz to 30MHz shall not exceed the Limit table as below.

Frequency range MHz	Limits (dBuV)	
	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 0.15 MHz to 0.50 MHz		

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5.8 Antenna Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

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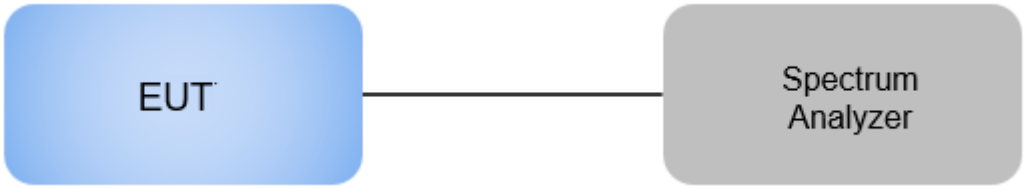
6 TEST CONFIGURATION

6.1 Emission Bandwidth



1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. 6dB BW measurements
   The testing is performed in accordance with the applicable regulatory measurement procedure.
   Set the spectrum analyzer as
   RBW= 1% to 5% of the OBW but not less than 100 kHz,
   VBW ≥ 3 X RBW,
   Span= 2 to 5 times of the OBW,
   Sweep=Auto, Detector = Peak, and Trace mode = Max Hold.
   Use the X dB bandwidth mode function of the spectrum analyzer and set to 6dB.
   Repeat above procedures until all test default channel is completed.
4. 99% BW measurements
   The testing is performed in accordance with the applicable regulatory measurement procedure.
   Set the spectrum analyzer as
   RBW= 1 % to 5% of 99% without going below 10kHz,
   VBW≥3 X RBW,
   Span= 1.5 to 5 times of the OBW,
   Sweep=Auto, Detector = Peak, and Trace mode = Max Hold,
   Use the 99% power bandwidth function of the spectrum analyzer.
   Repeat above procedures until all test default channel is completed.

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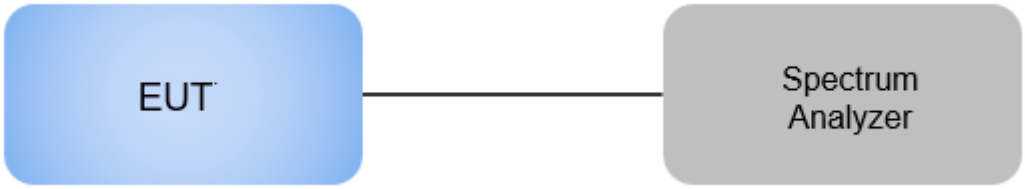
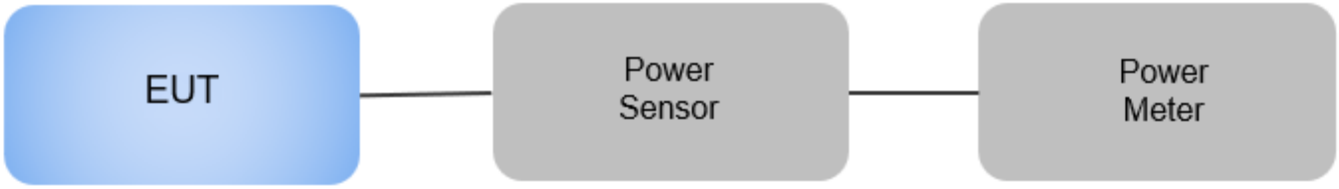
6.2 Maximum Output Power

6.2.1 Duty Cycle



Set the spectrum analyzer as
Center Frequency = fundamental frequency
Span = Zero,
RBW = 8 MHz,
VBW = 8 MHz,
Detector = Peak,
Allow trace to fully stabilize.
Use the delta marker function to determine the ON and OFF times.

6.2.2 Output Power



1. Place the EUT on the table and set it to transmit mode.
2. The testing was performed in accordance with the applicable measurement procedure.
3. Remove the antenna from the EUT and connect a low-loss RF cable from the antenna port to the power meter.
4. Record the maximum reading as observed from the power meter.
5. Repeat the above procedures until all default test channels have been measured.

Note: The duty cycle factor is applied to obtain the average measurement corrected to its maximum equivalent.

Note: when the antenna gain is greater than 6 dBi, the power limit attenuated accordingly.

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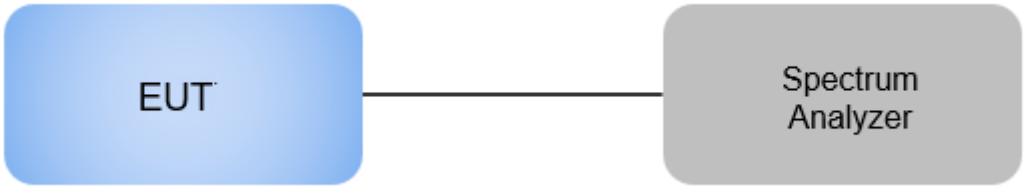
6.3 Maximum Power Spectral Density

The test is conducted in accordance with the applicable regulatory measurement procedure.

Set spectrum analyzer center frequency to DTS channel center frequency.
Set the span > 1.5 times the DTS channel bandwidth.
Set the RBW = 3 kHz and VBW = 10 kHz.
Detector = Peak.
Sweep time = Auto Couple.
Trace mode = Max Hold.
Allow trace to fully stabilize.
Use the peak marker function to determine the maximum amplitude level.

Note: When the antenna gain is greater than 6 dBi, the power spectral density limit attenuated accordingly.

6.4 Out of Band Emission



6.4.1 Reference Level of Emission Limit

The testing is performed in accordance with the applicable measurement procedure.

Set the analyzer center frequency to the DTS channel center frequency.
Set the span to 1.5 times the DTS channel bandwidth.
Set RBW = 100 kHz and VBW = 300 kHz.
Detector = Peak.
Sweep time = Auto Couple.
Trace mode = Max Hold.
Allow the trace to fully stabilize.
Use the peak marker function to determine the maximum amplitude level.

6.4.2 Conducted Band Edge

1. The testing is performed in accordance with the applicable measurement procedure.
2. Connect the antenna port of the EUT to the spectrum analyzer.

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3. Remove the antenna from the EUT and connect a low-loss RF cable from the antenna port to the spectrum analyzer.
4. Set the start frequency and stop frequency of the spectrum analyzer to encompass the spectrum to be examined.
   Configure the spectrum analyzer as follows:
   RBW = 100 kHz
   VBW = 300 kHz
   Detector = Peak
   Sweep = Auto
   Mark the highest reading of the emission as the reference level.
   Set DL as the limit = reading on marker of reference level measurement
   Mark the highest emissions observed outside of the 2400 MHz to 2483.5 MHz band.
5. Repeat the above procedure for each default test channel (low, middle, and high).

6.4.3 Conducted Spurious Emission

1. The testing is performed in accordance with the applicable measurement procedure.
2. Connect the antenna port of the EUT to the spectrum analyzer.
   Configure the spectrum analyzer as follows:
   RBW = 100 kHz
   VBW = 300 kHz
   Detector = Peak
   Sweep = Auto.
   Allow the trace to fully stabilize.
   Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental emission bandwidth (EBW).
3. Repeat the above procedures until all default test channels (low, middle, and high) have been measured.

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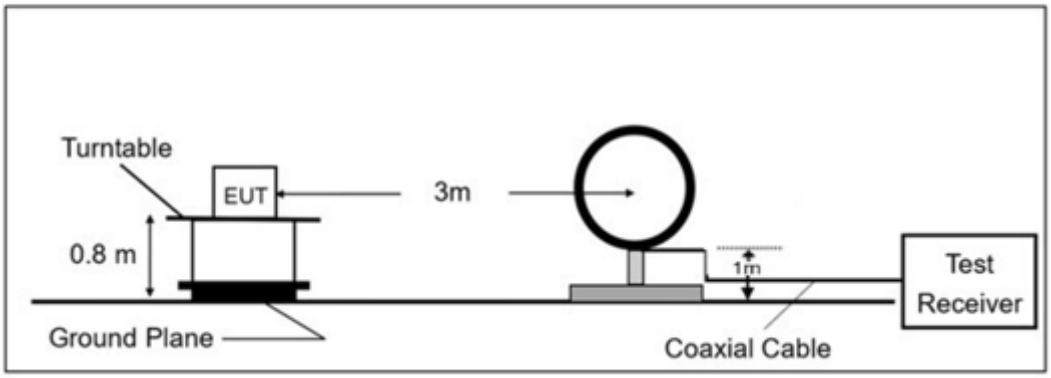
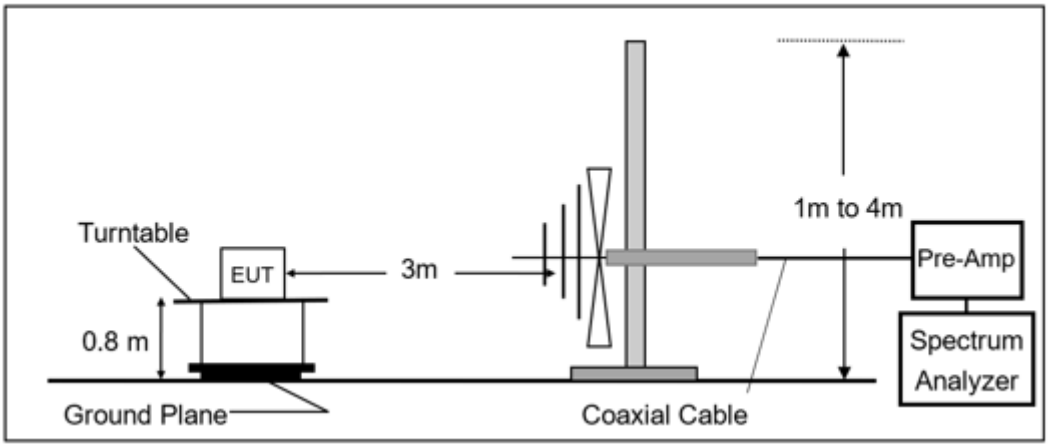
6.5 Unwanted Emissions

For Measurements From 9 kHz To 30 MHz
Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic 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.

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



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



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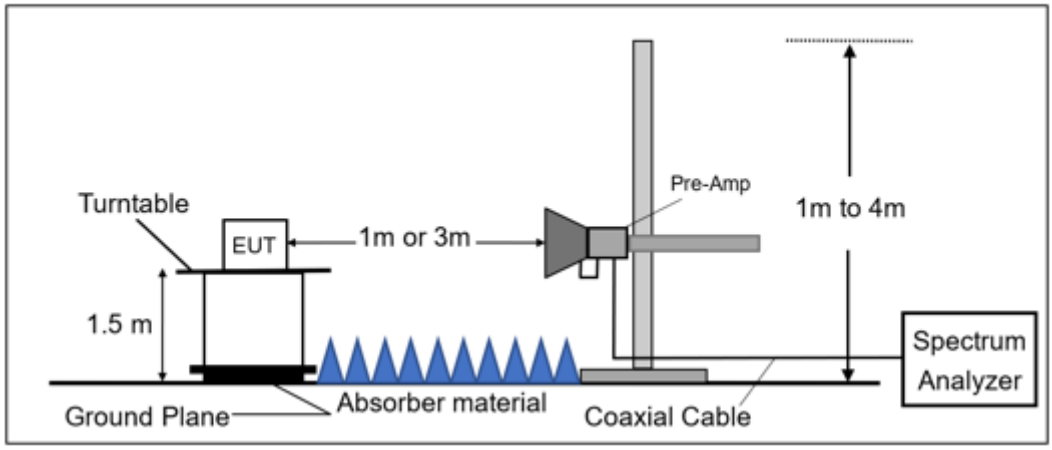
Radiated Emission Test Set-Up, Frequency Above 1GHz.



1. The testing was performed in accordance with the applicable radiated emission measurement procedure.
2. The EUT was placed on a turntable at a height of 0.8 m for frequencies below 1 GHz and 1.5 m for frequencies above 1 GHz.
3. The turntable was rotated 360 degrees to determine the position of the maximum emission level.
4. The EUT was positioned 3 meters away from the receiving antenna, which was varied in height from 1 m to 4 m to locate the highest emissions.
5. The spectrum analyzer was set with RBW = 100 kHz and VBW = 300 kHz, using a Peak detector for frequencies between 30 MHz and 1 GHz.
6. A receiver mode with RBW = 120 kHz was used for Quasi-Peak (QP) measurements between 30 MHz and 1 GHz.
7. For frequencies above 1 GHz, the spectrum analyzer was set with RBW = 1 MHz, VBW = 3 MHz, and Detector = Peak for maximum emission measurements.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz, Detector= RMS correction factor is [10 log (1 / D)] for Average Emission measurements at frequency above 1 GHz when D ≥ 98%. If a specific emission is demonstrated to be continuous (D ≥ 98%) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission, where D is the duty cycle.
9. Set the spectrum analyzer as RBW=1 MHz, VBW ≥ 1/T, Detector= Peak when D < 98% for Average Emission Measurements at frequency above 1 GHz.
10. The average value of pulsed emissions is determined using the duty cycle correction method, applying a correction factor of $20 \times \log_{10}$ (Ton / 100 ms).
11. When measuring radiated emissions above 1 GHz, the receiving antenna was maintained within the "cone of radiation" and pointed at the emission source in both azimuth and elevation, with polarization oriented for maximum response, ensuring it remained within the 3 dB illumination beamwidth of the measurement antenna.
12. The six highest emissions were fully maximized using the above procedures to ensure EUT compliance.
13. Each emission was further maximized by changing the receiving antenna polarization between horizontal and vertical.
14. Repeat the above procedures until all default test channels (low, middle, and high)

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are measured.

Note: Emissions from 9 kHz to 30 MHz were pre-scanned and found to be at least 20 dB below the applicable limits, and are therefore not reported.

6.5.1 Field Strength Calculation

The field strength is calculated by adding the antenna factor and cable loss, then subtracting the amplifier gain and any applicable duty cycle correction factor from the measured reading. The basic equation and an example calculation are as follows:

FS = RA + AF + CL – AG

Where:

FS = Field Strength (dBμV/m)
RA = Reading Amplitude (dBμV)
AF = Antenna Factor (dB/m)
CL = Cable Loss (dB)
AG = Amplifier Gain (dB)

The emission limit is expressed in dBμV/m, which corresponds to the logarithmic conversion of 20 × $\log_{10}$ (μV/m).

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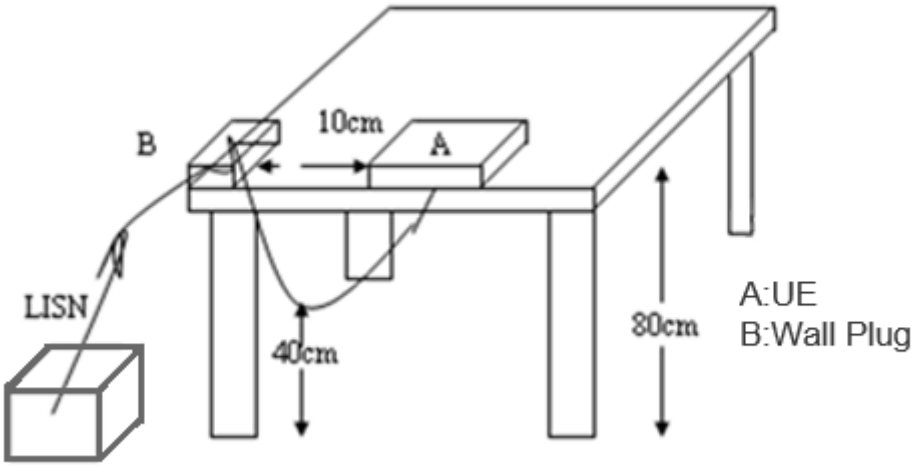
6.6 AC Power Line Conducted Emission



The conducted emission tests were performed at the designated test site using a setup in accordance with the applicable version of ANSI C63.10

1. The EUT was placed on a non-conductive table that is 0.8 meters above the ground plane. Conducted emissions were measured in the frequency range from 0.15 MHz to 30 MHz using CISPR Quasi-Peak and Average detector modes. Two LISNs were used to provide 50 µH / 50 ohm coupling impedance to the measuring instrument. Both lines of the AC power mains connected to the EUT were evaluated to identify the maximum conducted interference.
2. The AC/DC power adapter of the EUT was connected to the LISN. The EUT was positioned flush with the rear edge of the table, maintaining at least 0.4 meters of separation from the shielding wall.
3. The LISNs were connected to the power source and configured in accordance with the test requirements.
4. The maximum emission levels were investigated for each operating mode. The six highest emissions were further maximized to ensure compliance.
5. The above procedures were repeated for all applicable power supply configurations of the EUT.

Calculation Formula:

Level = Read Level + Factor

Factor = LISN/ISN/Current Probe Factor + Cable Loss + Attenuator

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7 TEST RESULTS

7.1 Emission Bandwidth

7.1.1 6dB BW measurements

BLE 1M mode

Frequency (MHz)	6dB BW (MHz)	Required BW (MHz)	Result
2402	0.6726	≧ 0.5	PASS
2442	0.6717	≧ 0.5	PASS
2480	0.6754	≧ 0.5	PASS

BLE 2M mode

Frequency (MHz)	6dB BW (MHz)	Required BW (MHz)	Result
2402	1.14	≧ 0.5	PASS
2442	1.135	≧ 0.5	PASS
2480	1.149	≧ 0.5	PASS

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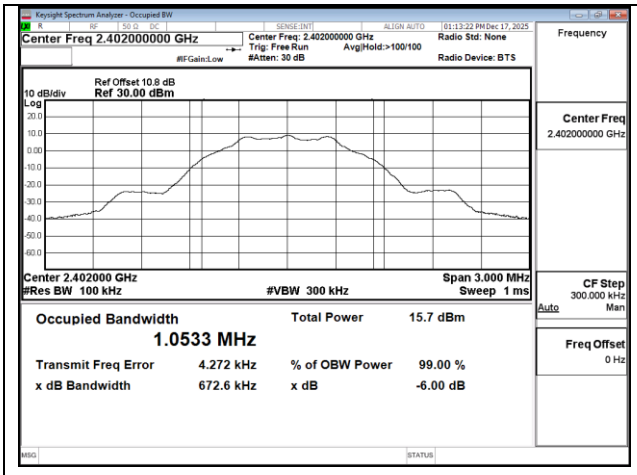
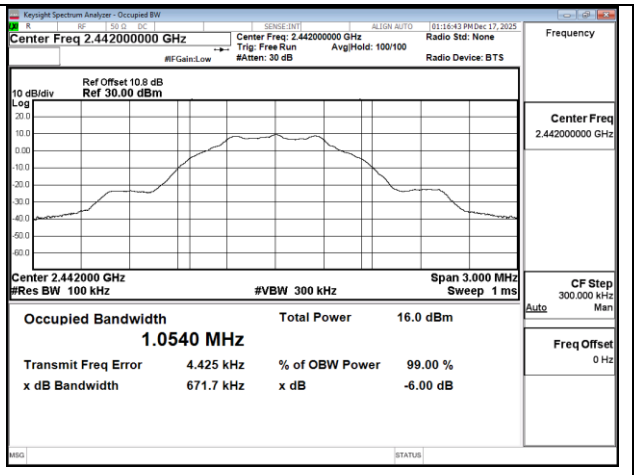
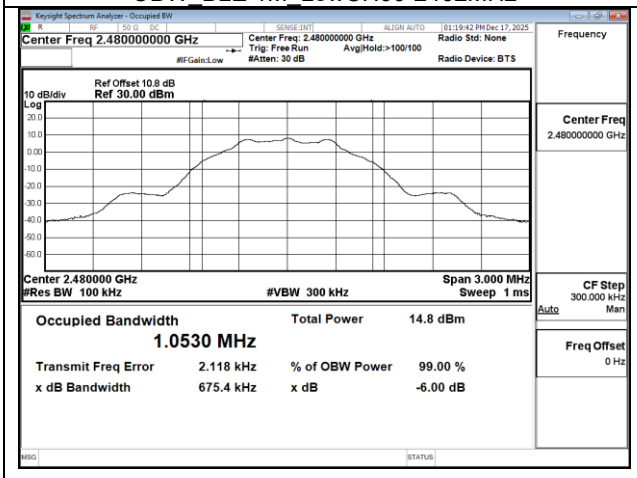


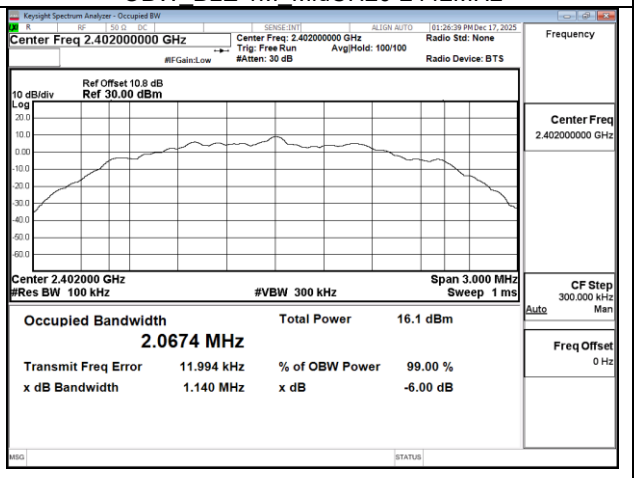
OBW_BLE 1M_LowCH00-2402MHz



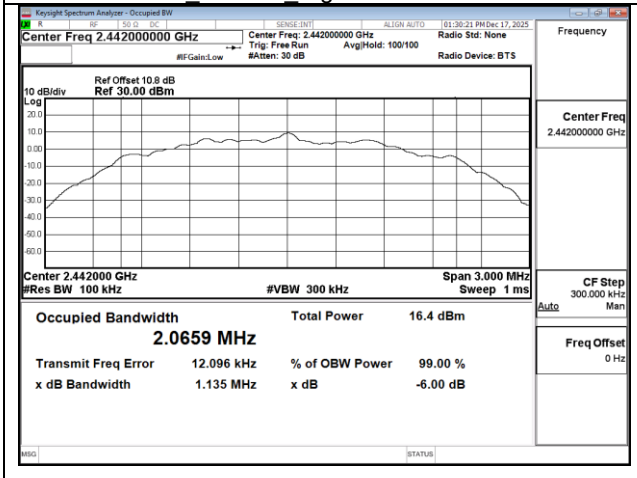
OBW_BLE 1M_MidCH20-2442MHz



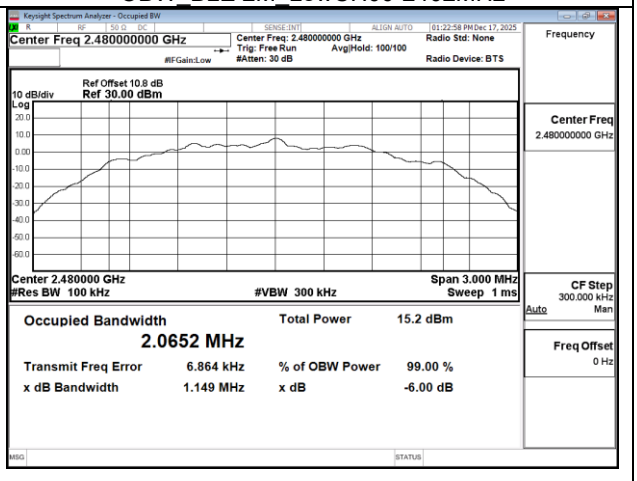
OBW_BLE 1M_HighCH39-2480MHz



OBW_BLE 2M_LowCH00-2402MHz



OBW_BLE 2M_MidCH20-2442MHz



OBW_BLE 2M_HighCH39-2480MHz

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7.1.2 99% Bandwidth

BLE 1M mode

Frequency (MHz)	99%Bandwidth (MHz)
2402	1.0288
2442	1.029
2480	1.0287

BLE 2M mode

Frequency (MHz)	99%Bandwidth (MHz)
2402	2.0598
2442	2.0582
2480	2.0578

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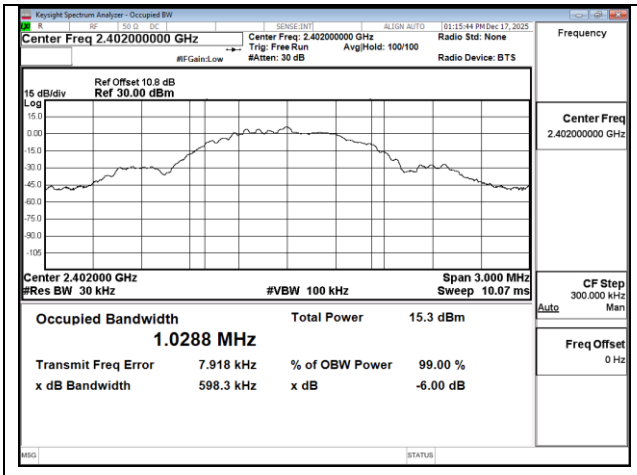
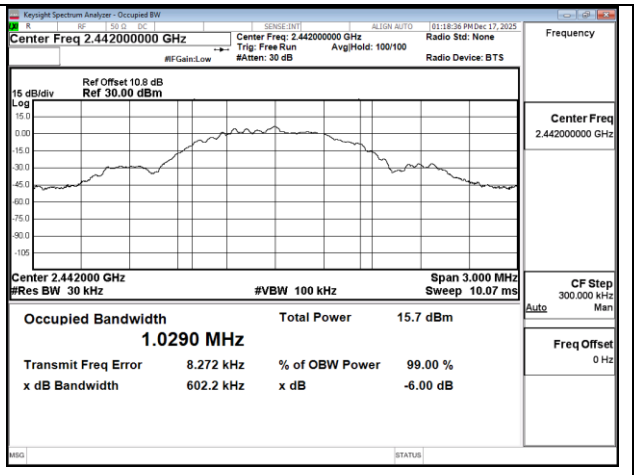
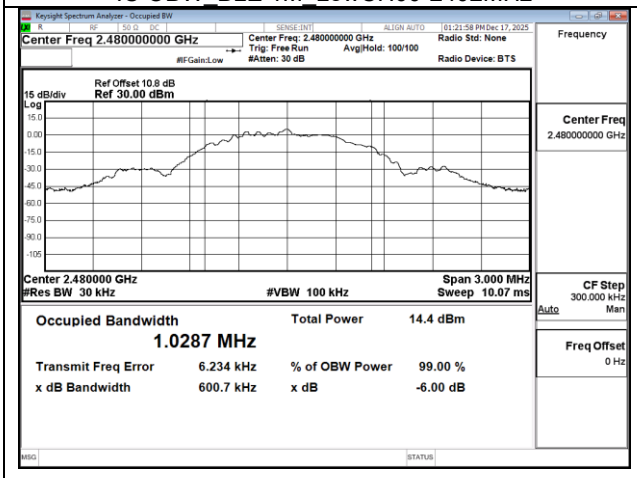


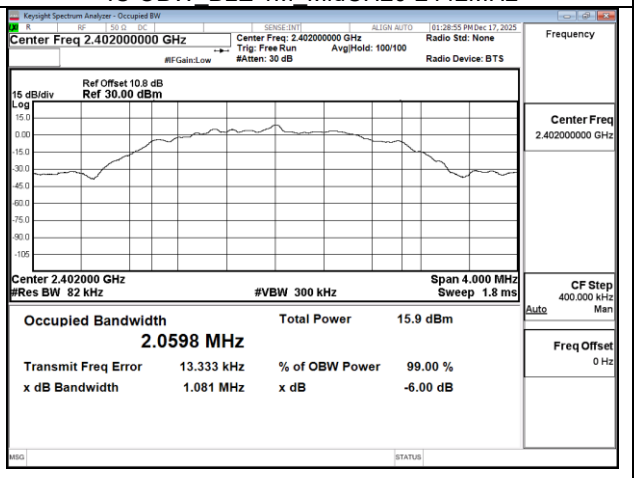
IC OBW_BLE 1M_LowCH00-2402MHz



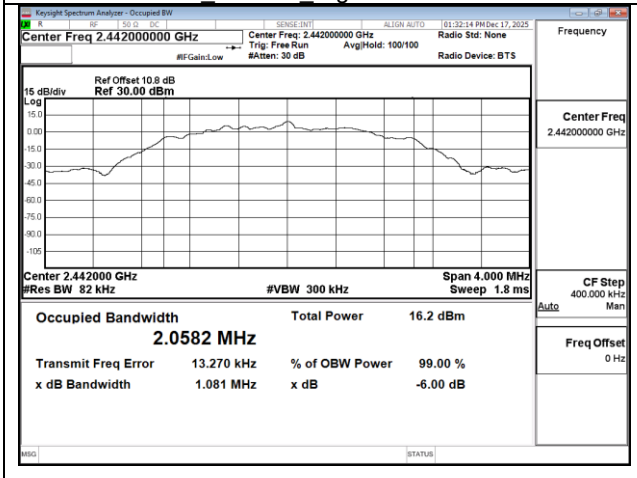
IC OBW_BLE 1M_MidCH20-2442MHz



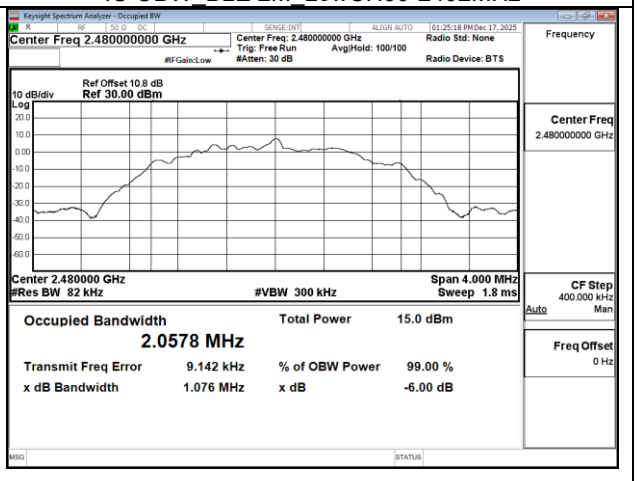
IC OBW_BLE 1M_HighCH39-2480MHz



IC OBW_BLE 2M_LowCH00-2402MHz



IC OBW_BLE 2M_MidCH20-2442MHz



IC OBW_BLE 2M_HighCH39-2480MHz

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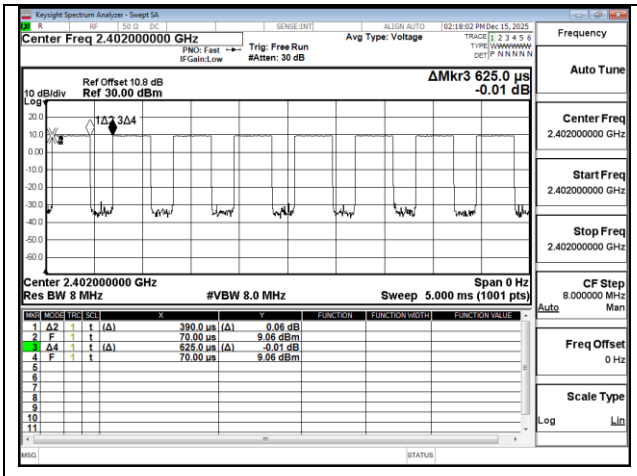
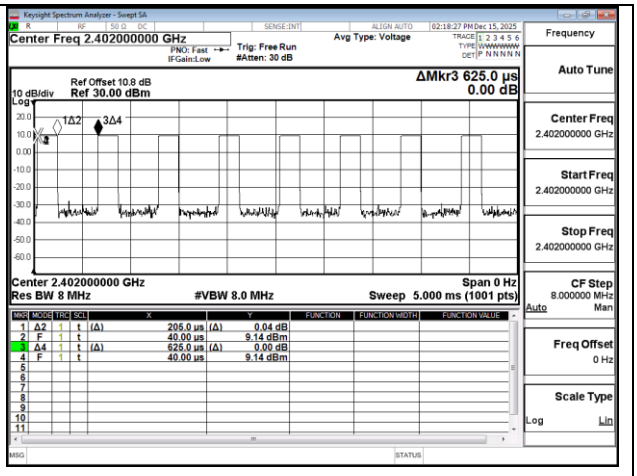
7.2 Duty Factor

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



BLE_1M_LowCH00-2402



BLE_2M_LowCH00-2402

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7.3 Maximum Output Power

7.3.1 Peak & Avg

BLE 1M mode:

CH	Frequency (MHz)	Power Setting	Peak Output Power (dBm)	Required Limit (dBm)
0	2402	default	8.57	30
20	2442	default	**8.77**	30
39	2480	default	7.56	30
CH	**Frequency (MHz)**	**Power Setting**	**Avg. Output Power (dBm)**	**Required Limit (dBm)**
0	2402	default	8.54	30
20	2442	default	8.74	30
39	2480	default	7.51	30

Note:

1.Measured by power meter, cable loss 10.8 dB + Duty cycle factor has been offseted to the power meter for Avg. power and cable loss has been offseted for Peak power measurement.

BLE 2M mode:

CH	Frequency (MHz)	Power Setting	Peak Output Power (dBm)	Required Limit (dBm)
0	2402	default	8.76	30
20	2442	default	**8.97**	30
39	2480	default	7.73	30
CH	**Frequency (MHz)**	**Power Setting**	**Avg. Output Power (dBm)**	**Required Limit (dBm)**
0	2402	default	8.71	30
20	2442	default	8.89	30
39	2480	default	7.68	30

Note:

1.Measured by power meter, cable loss 10.8 dB + Duty cycle factor has been offseted to the power meter for Avg. power and cable loss has been offseted for Peak power measurement.

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7.4 Maximum Power Spectral Density

BLE 1M mode

Frequency (MHz)	RF Power Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2402	-5.619	8	PASS
2442	-5.253	8	PASS
2480	-6.491	8	PASS

Note:

1.cable loss as 10.8 dB that offsets in the spectrum

BLE 2M mode

Frequency (MHz)	RF Power Density (dBm/3kHz)	Maximum Limit (dBm/3kHz)	Result
2402	-9.106	8	PASS
2442	-8.86	8	PASS
2480	-10.021	8	PASS

Note:

1.cable loss as 10.8 dB that offsets in the spectrum

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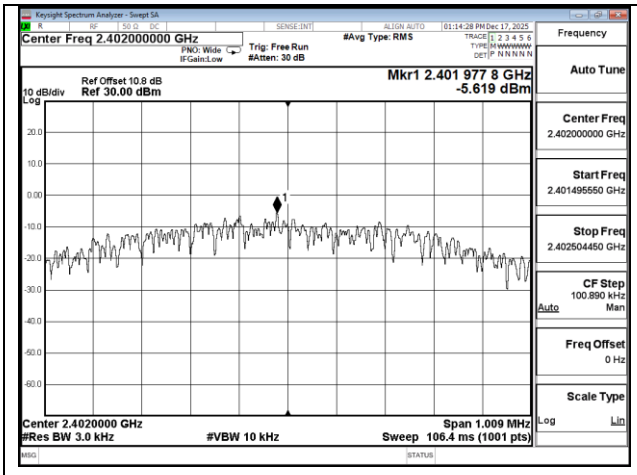
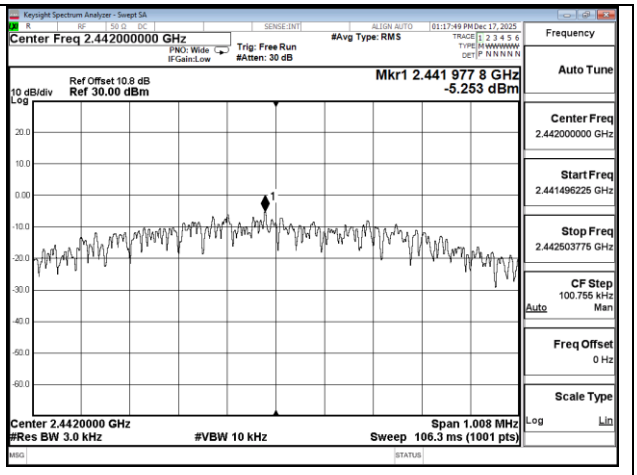
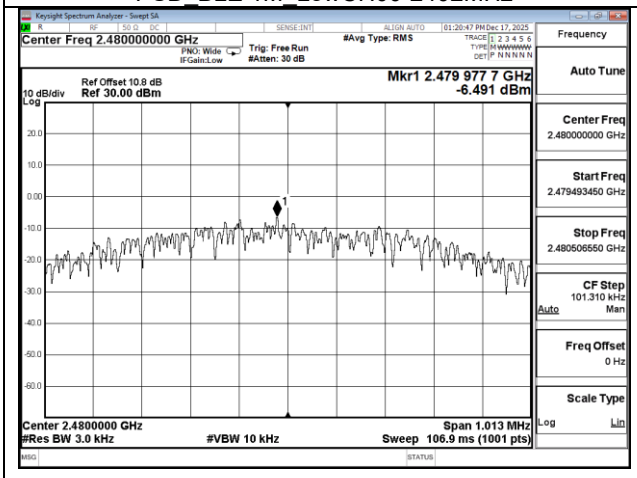


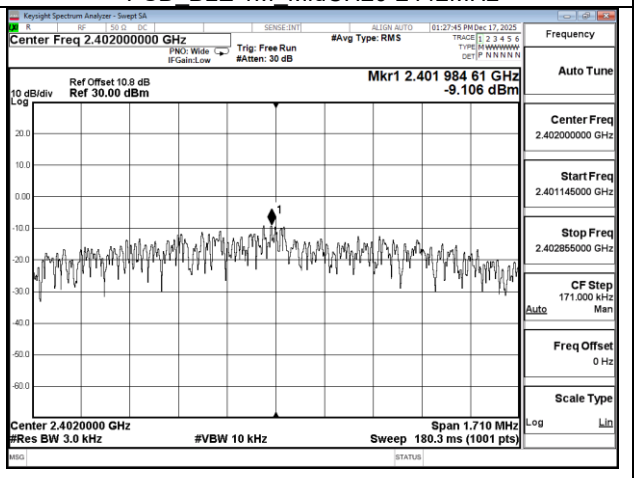
PSD_BLE 1M_LowCH00-2402MHz



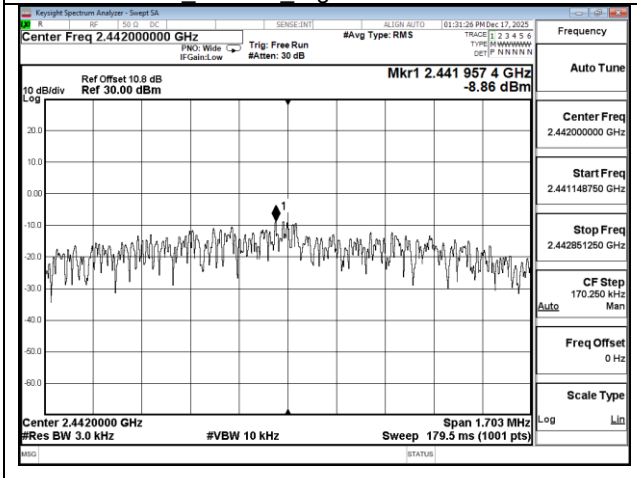
PSD_BLE 1M_MidCH20-2442MHz



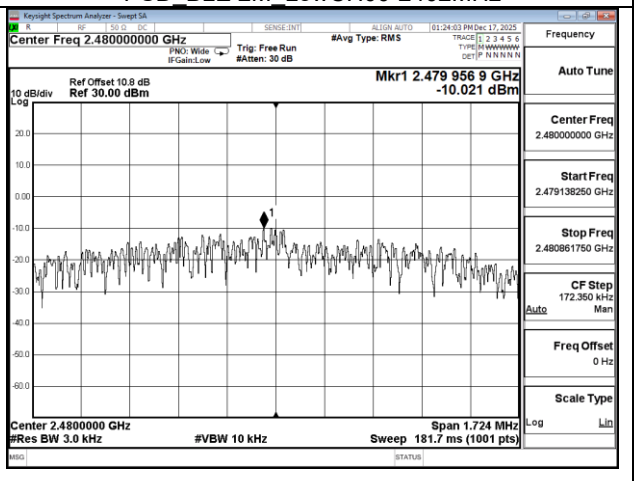
PSD_BLE 1M_HighCH39-2480MHz



PSD_BLE 2M_LowCH00-2402MHz



PSD_BLE 2M_MidCH20-2442MHz



PSD_BLE 2M_HighCH39-2480MHz

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7.5 Out of Band Emission

BLE 1M_Reference Level of Limit

Frequency (MHz)	RF Power Density (dBm)	Reference Level of Limit = PSD - 20dB (dBm)
2402	8.942	-11.06
2442	9.299	-10.70
2480	7.991	-12.01

Note:

1.cable loss as 10.8 dB that offsets in the spectrum
2.Refer to next page for plots.

BLE 2M_Reference Level of Limit

Frequency (MHz)	RF Power Density (dBm)	Reference Level of Limit = PSD - 20dB (dBm)
2402	9.00	-11.00
2442	9.284	-10.72
2480	7.96	-12.04

Note:

1.cable loss as 10.8 dB that offsets in the spectrum
2.Refer to next page for plots.

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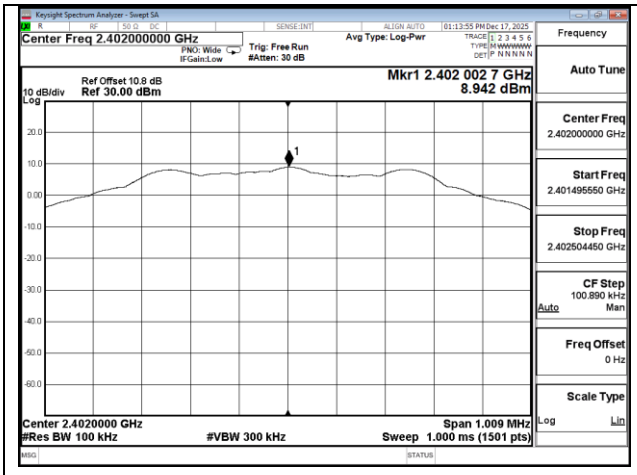
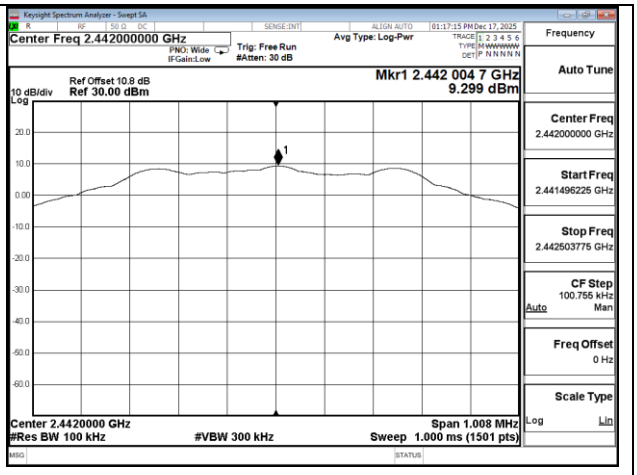
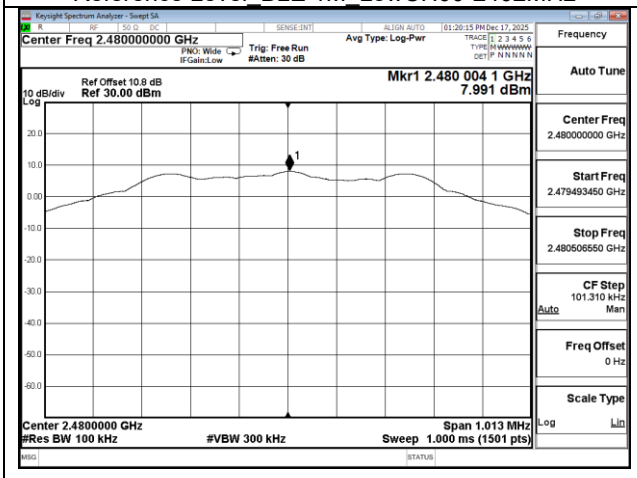


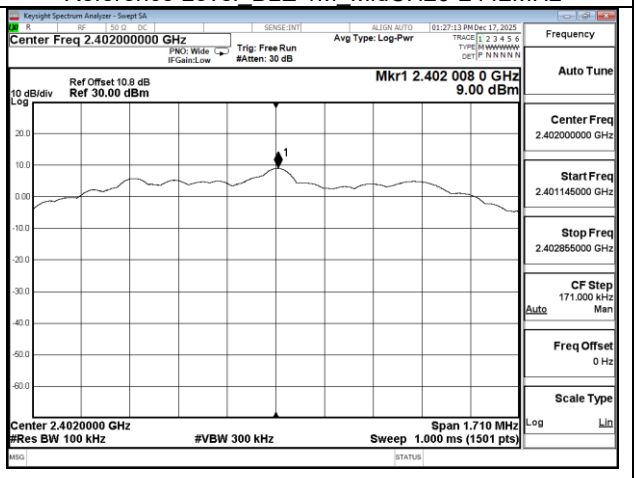
Reference Level_BLE 1M_LowCH00-2402MHz



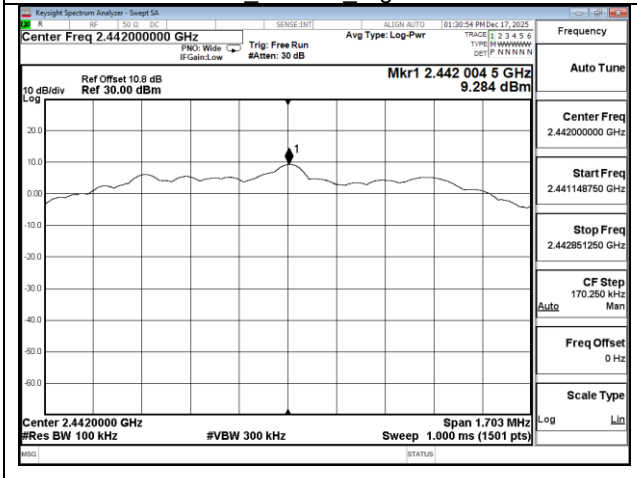
Reference Level_BLE 1M_MidCH20-2442MHz



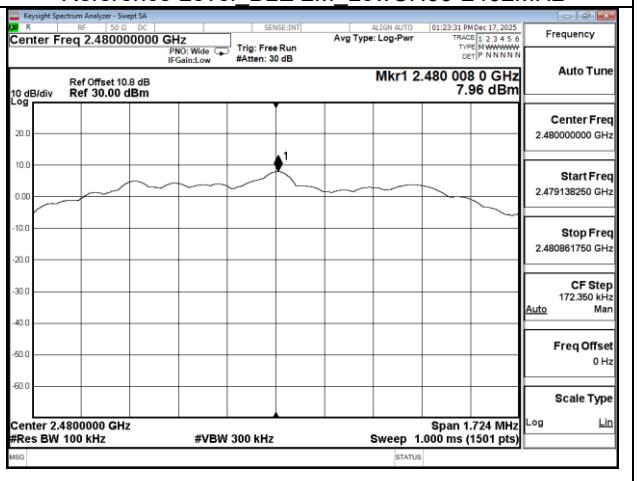
Reference Level_BLE 1M_HighCH39-2480MHz



Reference Level_BLE 2M_LowCH00-2402MHz



Reference Level_BLE 2M_MidCH20-2442MHz



Reference Level_BLE 2M_HighCH39-2480MHz

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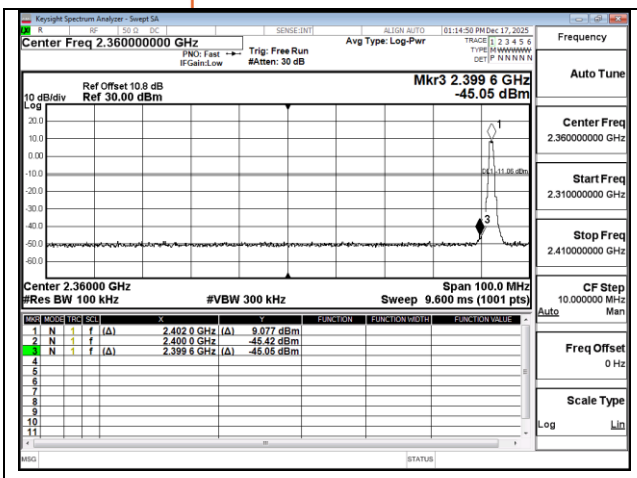
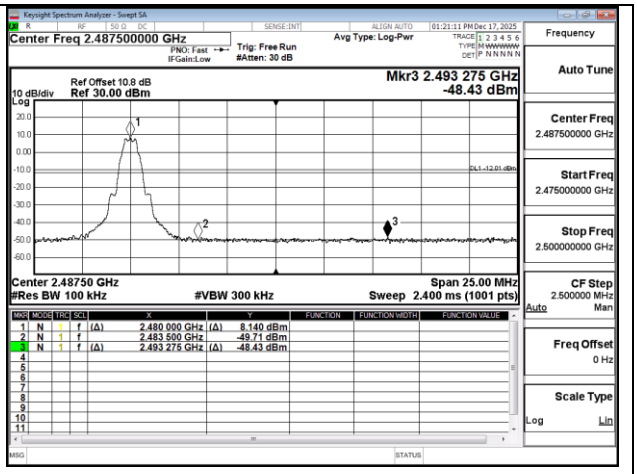
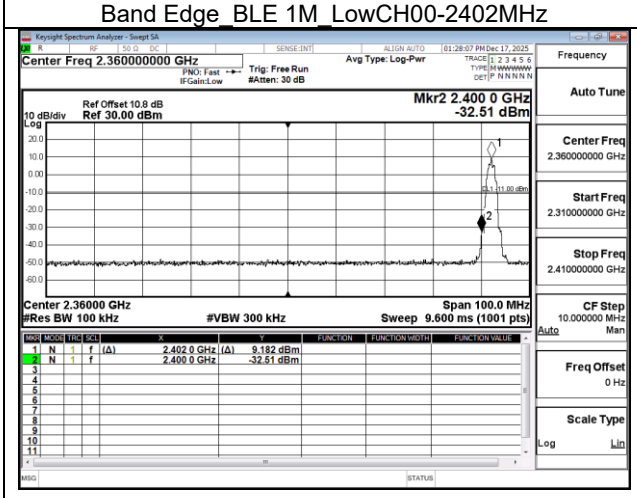


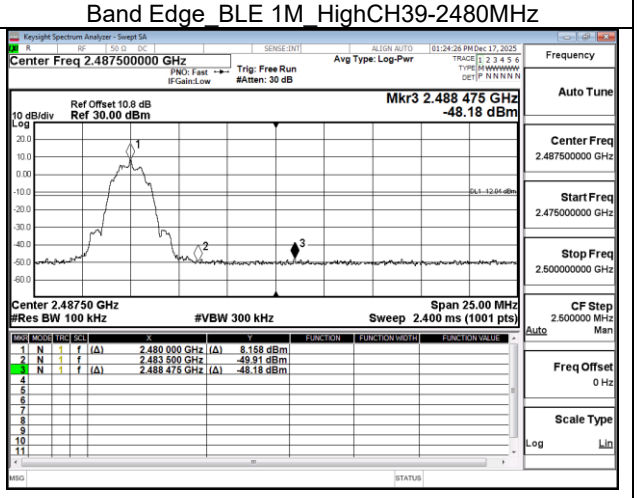
Band Edge_BLE 1M_LowCH00-2402MHz



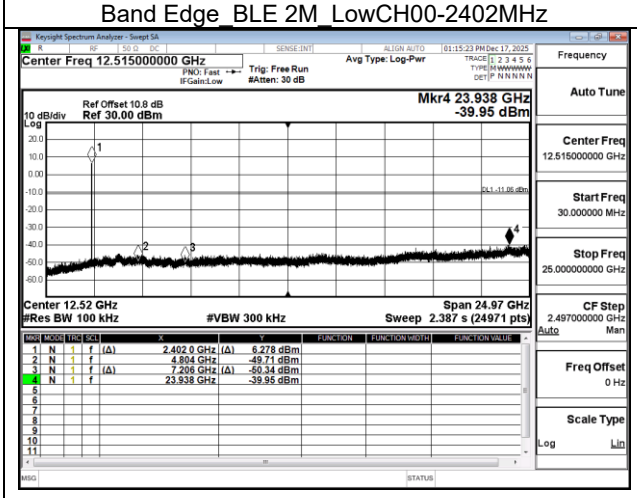
Band Edge_BLE 1M_HighCH39-2480MHz



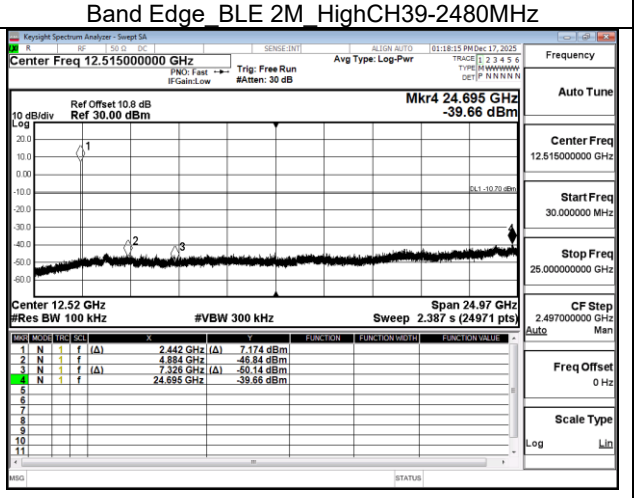
Band Edge_BLE 2M_LowCH00-2402MHz



Band Edge_BLE 2M_HighCH39-2480MHz



Spurious Emission_BLE 1M_LowCH00-2402MHz



Spurious Emission_BLE 1M_MidCH20-2442MHz

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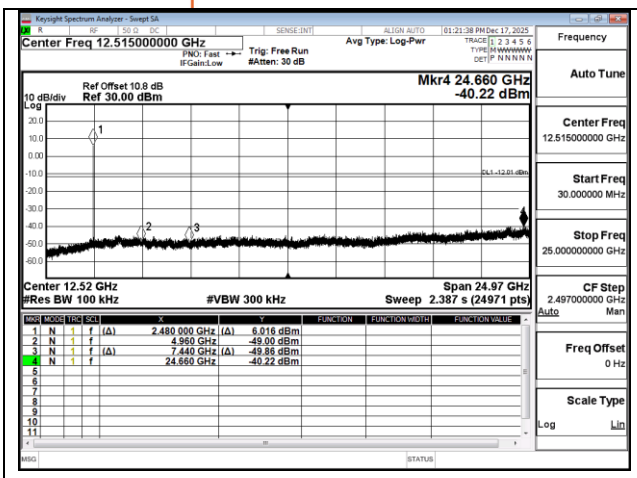
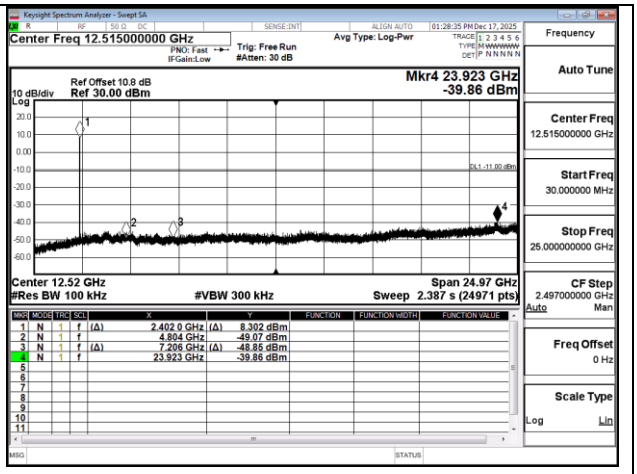
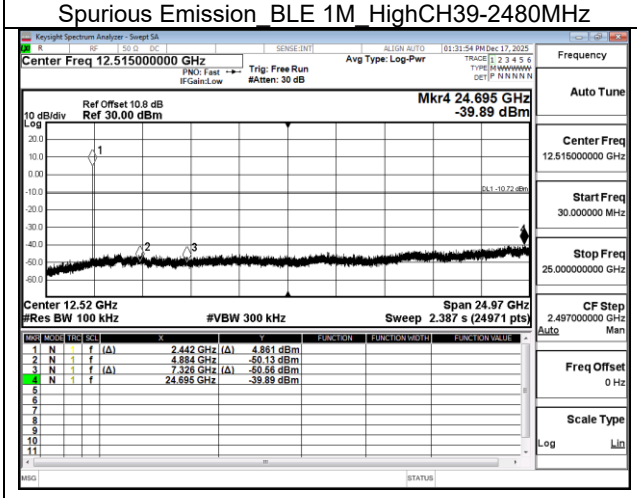


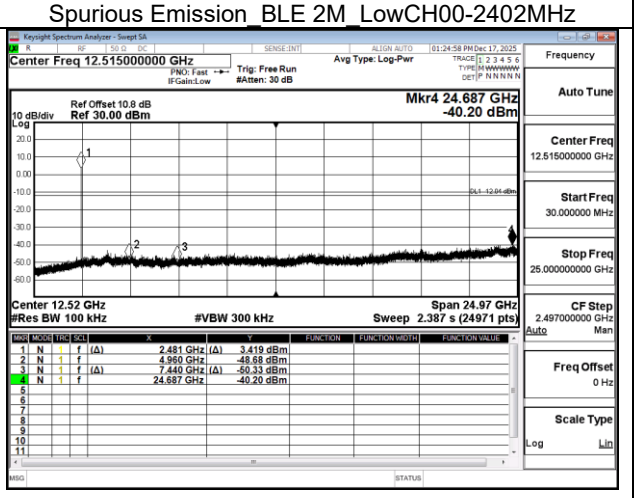
Spurious Emission_BLE 1M_HighCH39-2480MHz



Spurious Emission_BLE 2M_LowCH00-2402MHz



Spurious Emission_BLE 2M_MidCH20-2442MHz



Spurious Emission_BLE 2M_HighCH39-2480MHz

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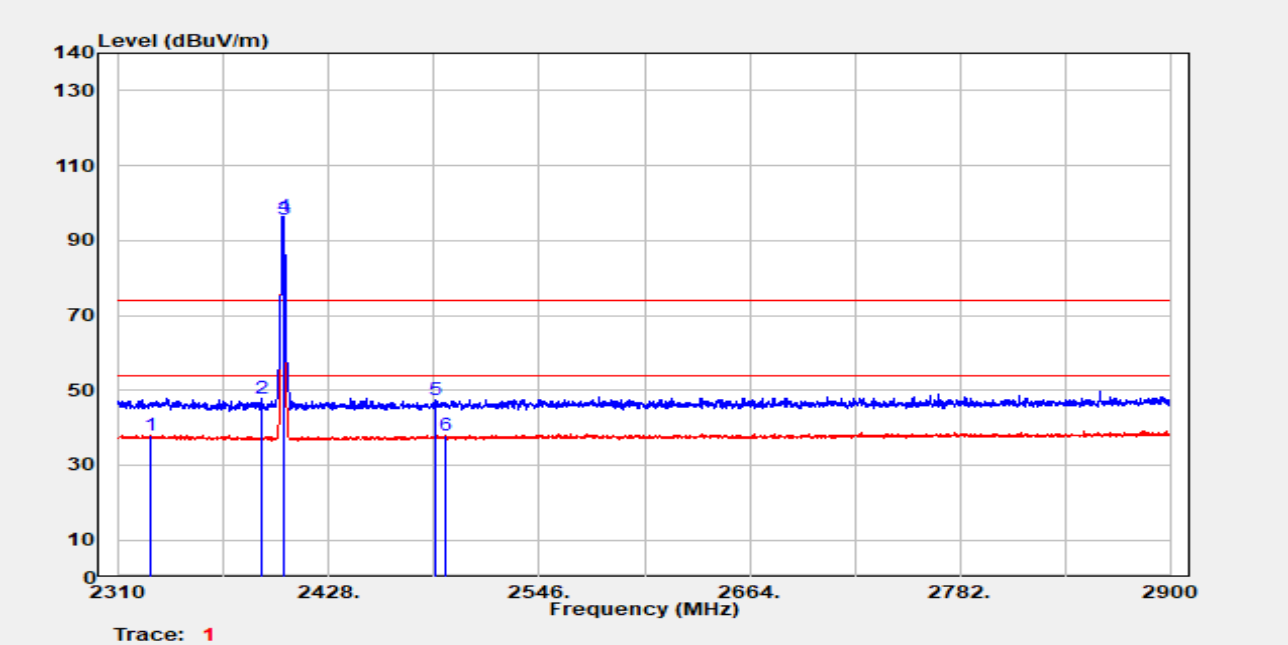
7.6 Unwanted Emissions

7.6.1 Radiated Band Edge Measurement Result

Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 1M	Test Date	:2025-12-16
Test Frequency	:2402 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Bandedge	Antenna Pol.	:Vertical
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2327.31	Average	41.33	-3.35	37.98	54.00	-16.02
2389.68	Peak	51.56	-3.73	47.83	74.00	-26.17
2402.27	Average	99.47	-3.84	95.63	-	-
2402.27	Peak	100.38	-3.84	96.54	-	-
2488.04	Peak	50.78	-3.54	47.24	74.00	-26.76
2493.75	Average	41.48	-3.55	37.93	54.00	-16.07

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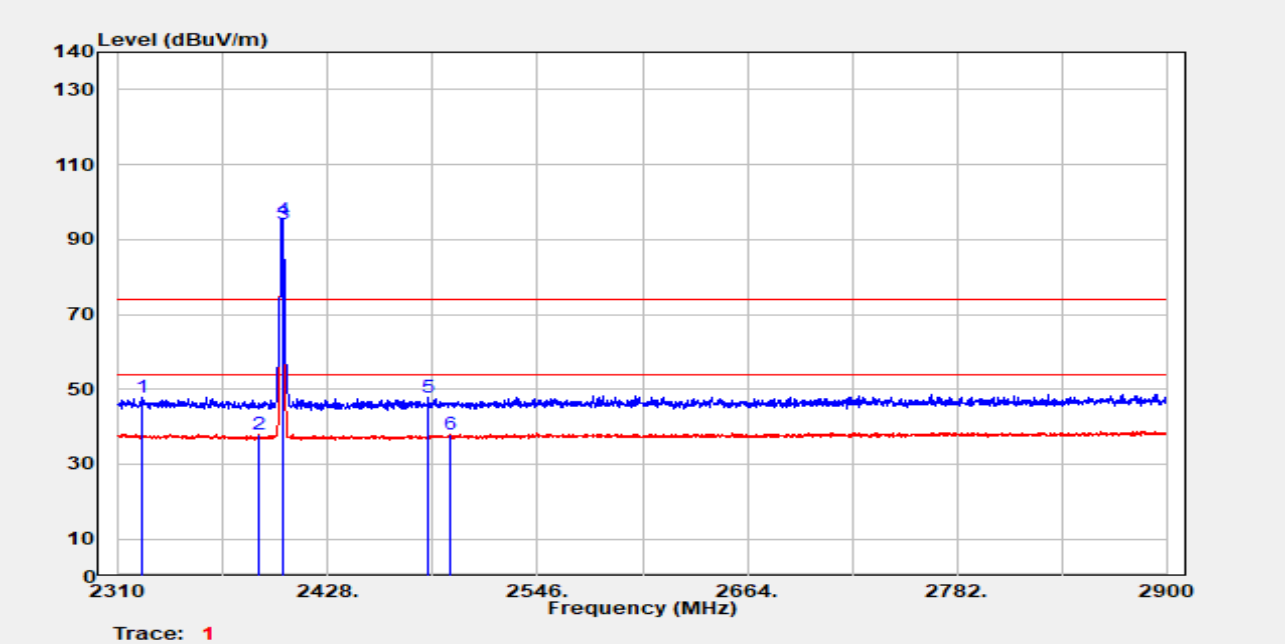
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 1M	Test Date	:2025-12-16
Test Frequency	:2402 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Bandedge	Antenna Pol.	:Horizontal
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2322.98	Peak	51.08	-3.31	47.77	74.00	-26.23
2388.89	Average	41.78	-3.73	38.05	54.00	-15.95
2402.27	Average	98.09	-3.84	94.25	-	-
2402.27	Peak	99.13	-3.84	95.29	-	-
2484.31	Peak	51.48	-3.60	47.88	74.00	-26.12
2496.70	Average	41.37	-3.56	37.81	54.00	-16.19

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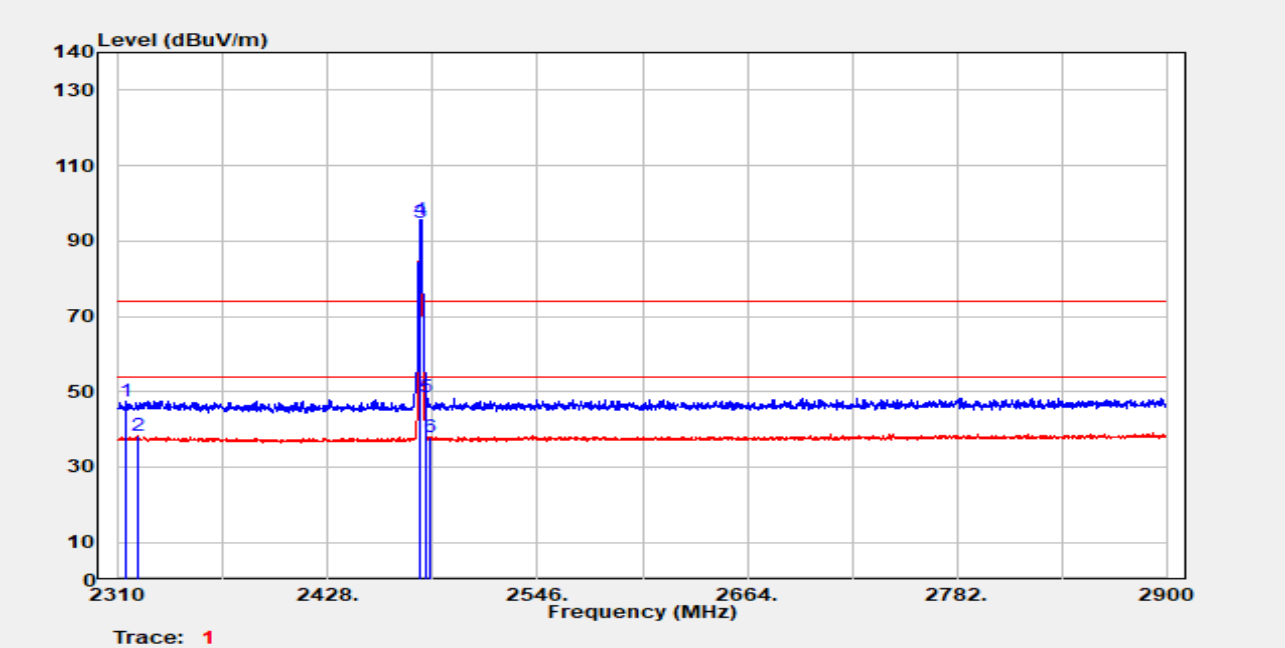
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 1M	Test Date	:2025-12-16
Test Frequency	:2480 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Bandedge	Antenna Pol.	:Vertical
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2314.525	Peak	50.81	-3.25	47.56	74.00	-26.44
2320.427	Average	41.47	-3.27	38.20	54.00	-15.80
2480.173	Average	98.45	-3.65	94.79	-	-
2480.173	Peak	99.37	-3.65	95.72	-	-
2483.500	Peak	52.19	-3.61	48.59	74.00	-25.41
2485.288	Average	41.46	-3.58	37.87	54.00	-16.13

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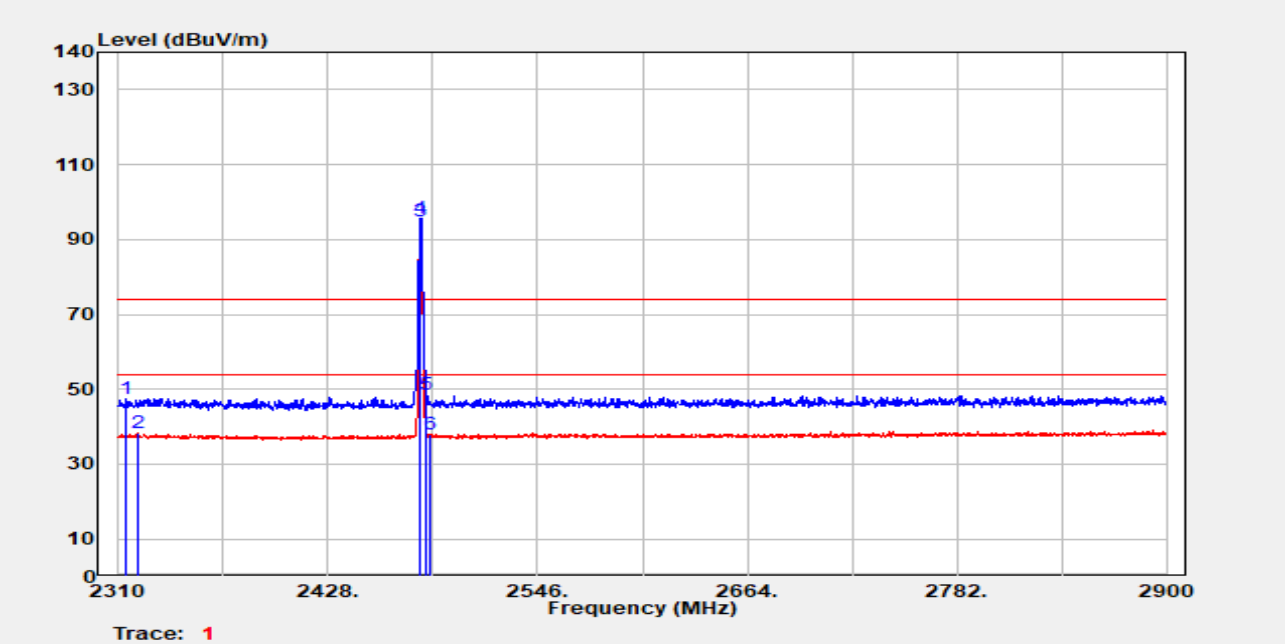
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 1M	Test Date	:2025-12-16
Test Frequency	:2480 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Bandedge	Antenna Pol.	:Horizontal
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2314.53	Peak	50.82	-3.26	47.56	74.00	-26.44
2320.43	Average	41.47	-3.27	38.20	54.00	-15.80
2480.17	Average	98.44	-3.65	94.79	-	-
2480.17	Peak	99.37	-3.65	95.72	-	-
2483.50	Peak	52.20	-3.61	48.59	74.00	-25.41
2485.29	Average	41.45	-3.58	37.87	54.00	-16.13

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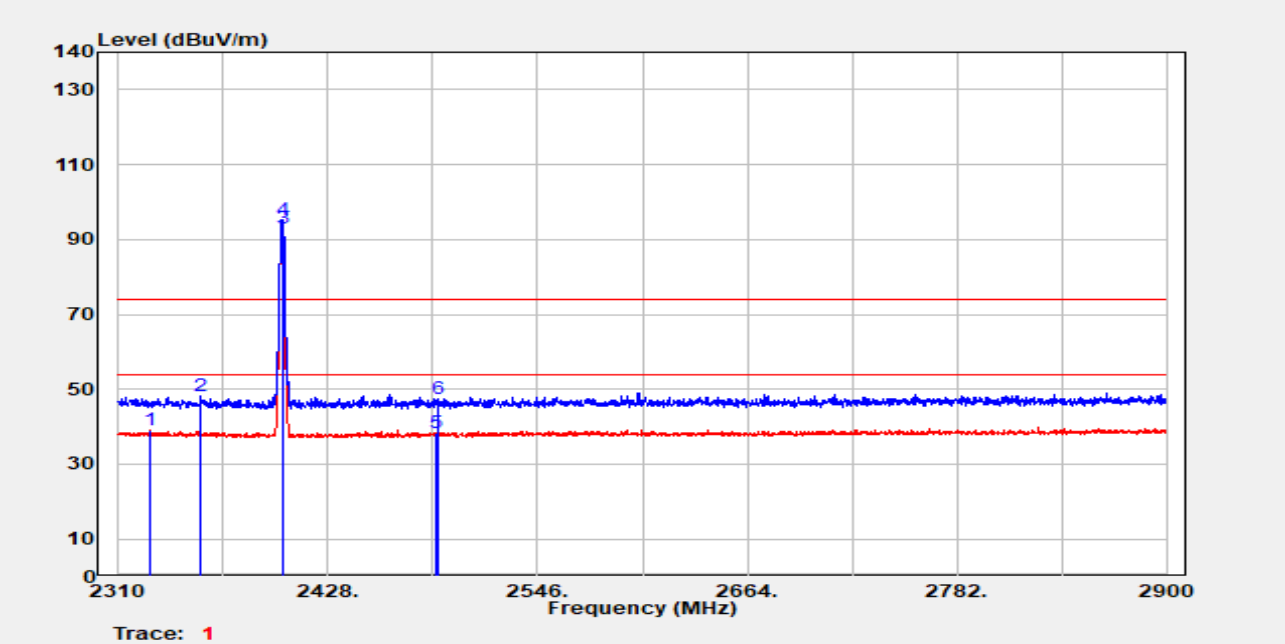
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 2M	Test Date	:2025-12-16
Test Frequency	:2402 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Bandedge	Antenna Pol.	:Vertical
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2328.10	Average	42.38	-3.37	39.01	54.00	-14.99
2356.43	Peak	51.70	-3.55	48.15	74.00	-25.85
2402.07	Average	96.89	-3.84	93.05	-	-
2402.07	Peak	99.13	-3.84	95.29	-	-
2488.24	Average	42.02	-3.54	38.48	54.00	-15.52
2490.21	Peak	50.94	-3.52	47.42	74.00	-26.58

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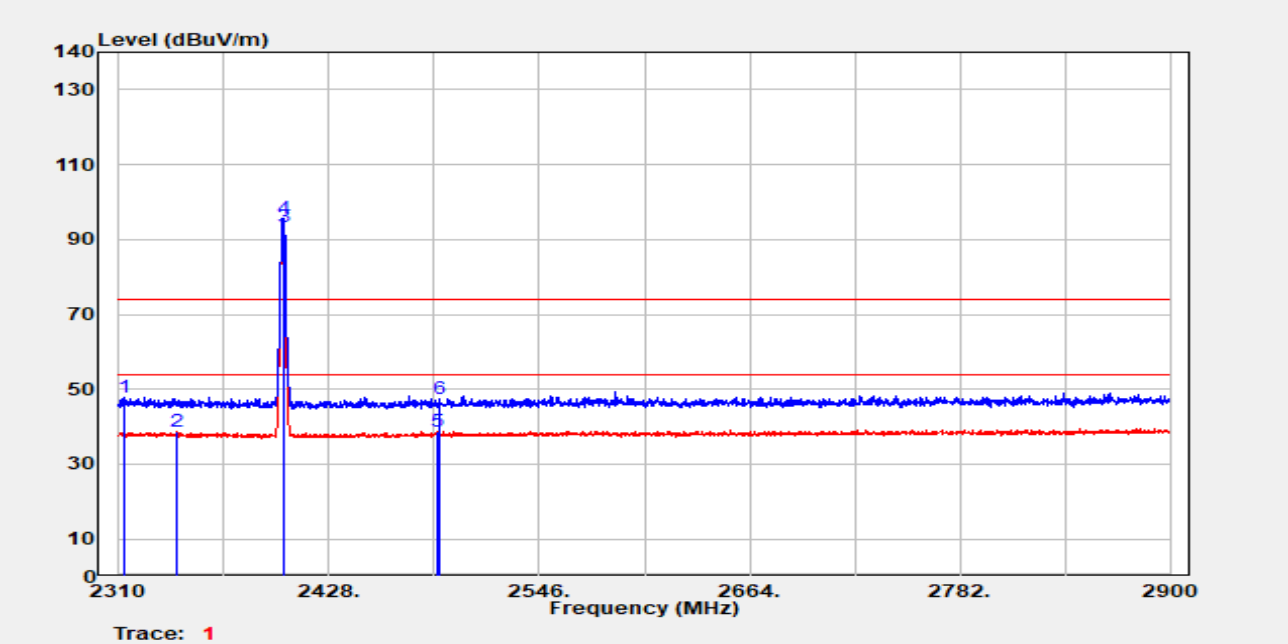
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 2M	Test Date	:2025-12-16
Test Frequency	:2402 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Bandedge	Antenna Pol.	:Horizontal
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2312.56	Peak	51.14	-3.25	47.89	74.00	-26.11
2342.26	Average	41.97	-3.44	38.53	54.00	-15.47
2402.07	Average	97.16	-3.84	93.32	-	-
2402.07	Peak	99.48	-3.84	95.64	-	-
2489.22	Average	42.37	-3.53	38.84	54.00	-15.16
2490.01	Peak	50.84	-3.52	47.32	74.00	-26.68

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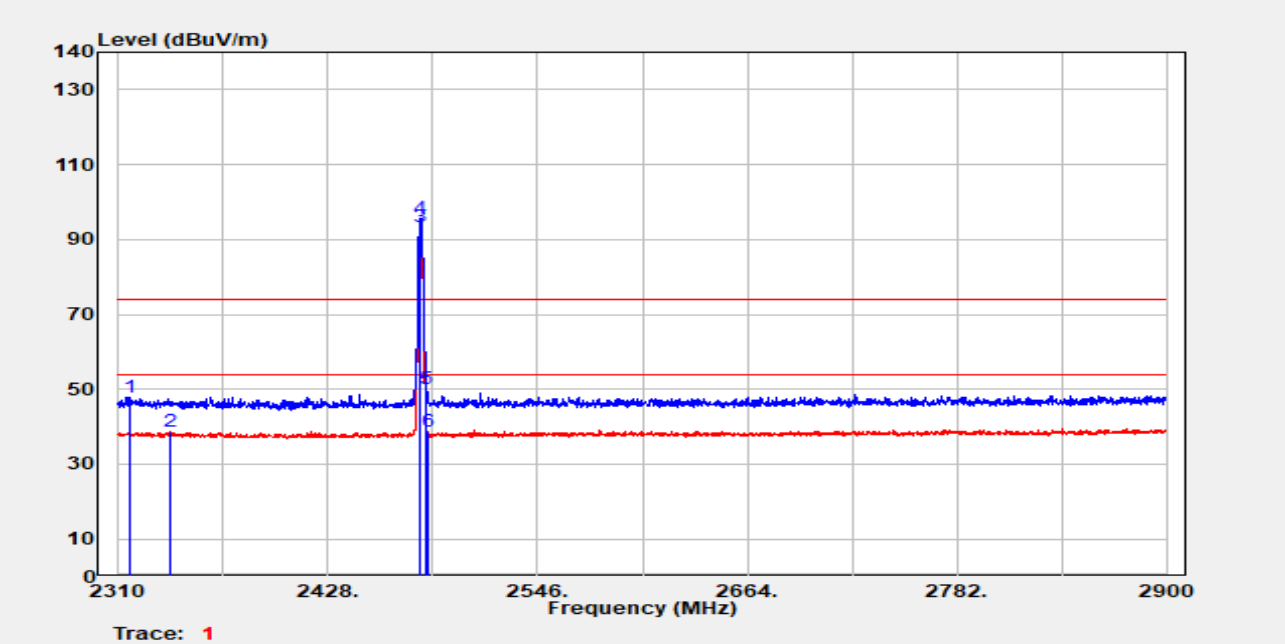
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 2M	Test Date	:2025-12-16
Test Frequency	:2480 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Bandedge	Antenna Pol.	:Vertical
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2316.10	Peak	51.25	-3.26	47.99	74.00	-26.01
2338.53	Average	41.93	-3.41	38.52	54.00	-15.48
2479.98	Average	97.02	-3.65	93.37	-	-
2479.98	Peak	99.41	-3.65	95.76	-	-
2483.50	Peak	53.56	-3.61	49.95	74.00	-24.05
2483.72	Average	42.28	-3.60	38.68	54.00	-15.32

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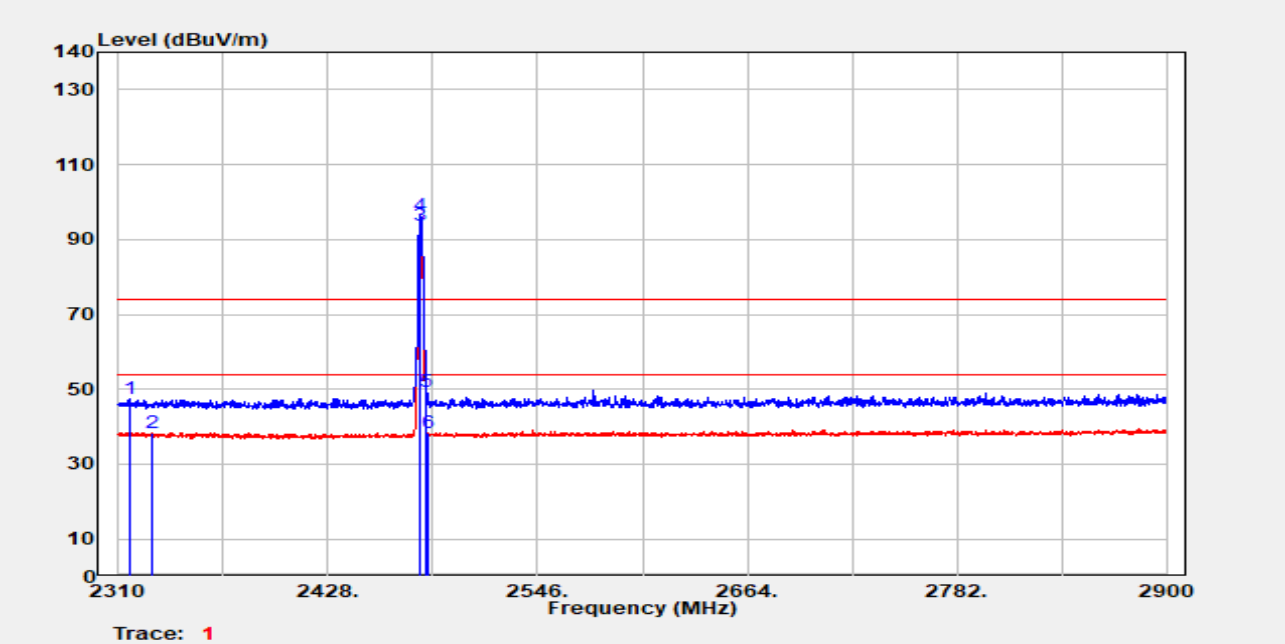
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 2M	Test Date	:2025-12-16
Test Frequency	:2480 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Bandedge	Antenna Pol.	:Horizontal
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2316.10	Peak	50.64	-3.26	47.38	74.00	-26.62
2328.49	Average	41.84	-3.37	38.47	54.00	-15.53
2479.98	Average	97.55	-3.65	93.90	-	-
2479.98	Peak	99.84	-3.65	96.19	-	-
2483.50	Peak	52.81	-3.61	49.20	74.00	-24.80
2483.91	Average	42.07	-3.60	38.47	54.00	-15.53

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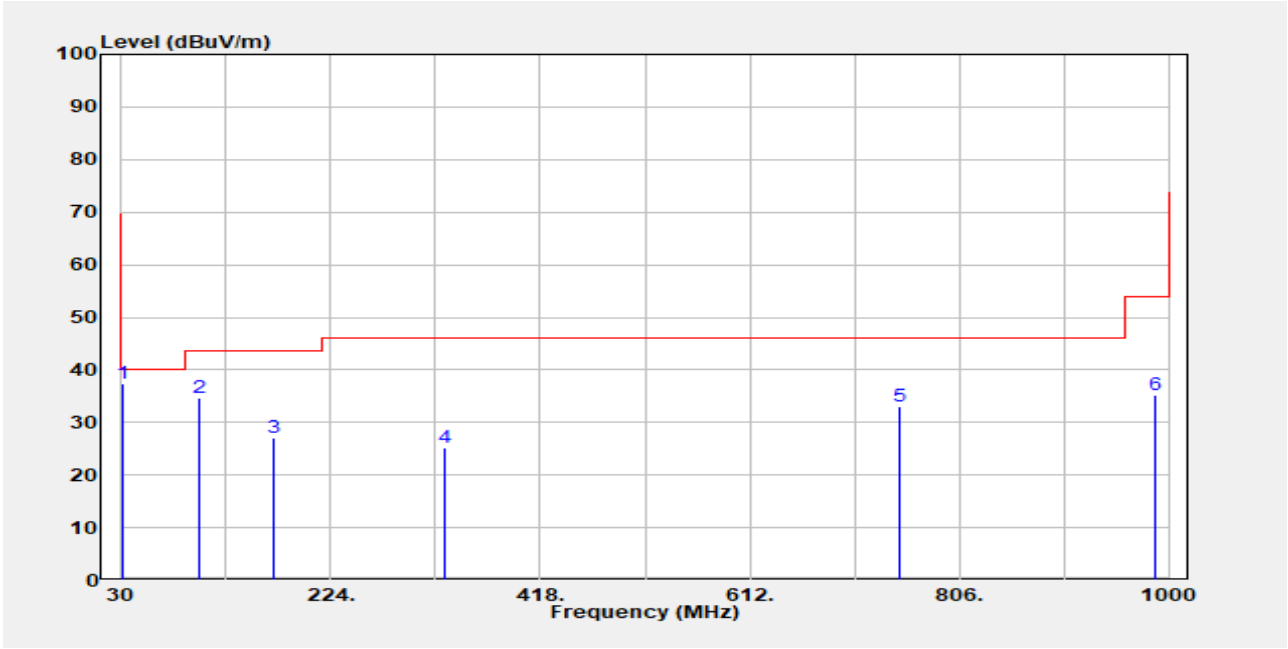
7.6.2 Spurious Emission

Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 1M	Test Date	:2026-02-04
Test Frequency	:2442 MHz	Temp./Humi.	:17.4℃/58%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
30.970	QP	51.10	-13.65	37.45	40.00	-2.55
101.780	Peak	51.03	-16.43	34.60	43.50	-8.90
170.650	Peak	39.30	-12.12	27.18	43.50	-16.32
328.760	Peak	35.15	-10.01	25.15	46.00	-20.85
750.710	Peak	33.63	-0.65	32.98	46.00	-13.02
988.360	Peak	33.72	1.51	35.23	54.00	-18.77

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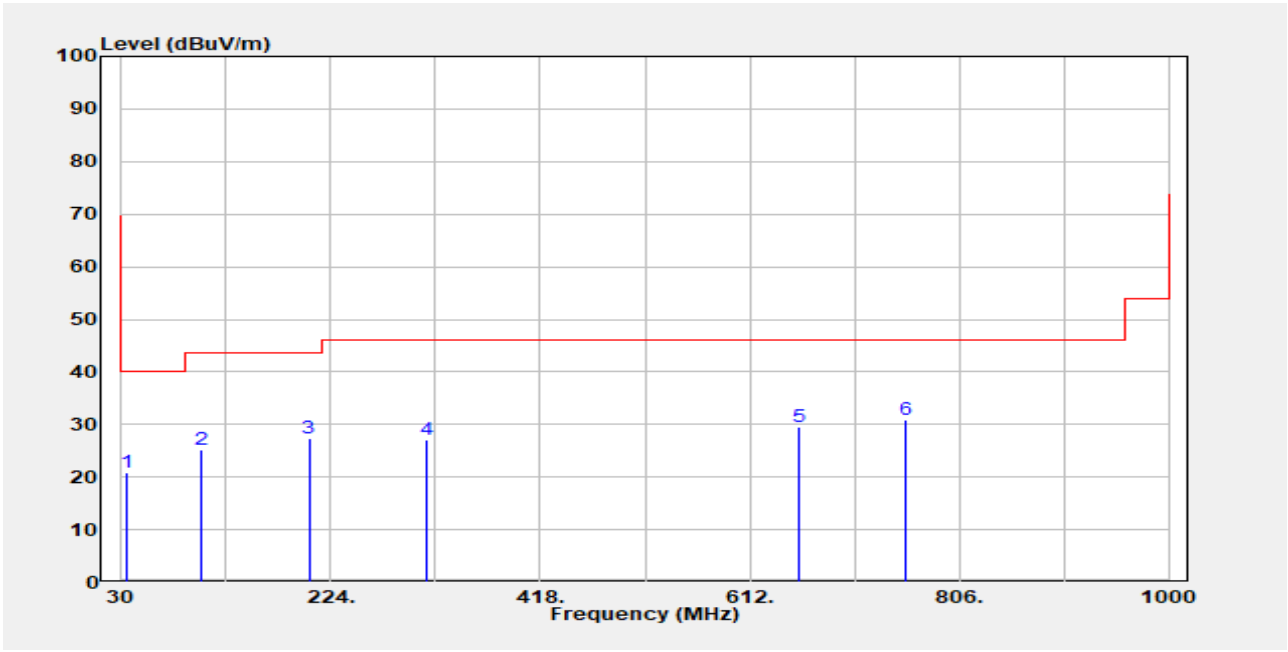
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 1M	Test Date	:2026-02-04
Test Frequency	:2442 MHz	Temp./Humi.	:17.4℃/58%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
34.850	QP	33.90	-13.10	20.80	40.00	-19.20
103.720	Peak	41.32	-16.10	25.22	43.50	-18.28
203.630	Peak	42.23	-14.83	27.41	43.50	-16.09
312.270	Peak	37.67	-10.50	27.16	46.00	-18.84
657.590	Peak	32.24	-2.71	29.53	46.00	-16.47
756.530	Peak	31.54	-0.59	30.95	46.00	-15.05

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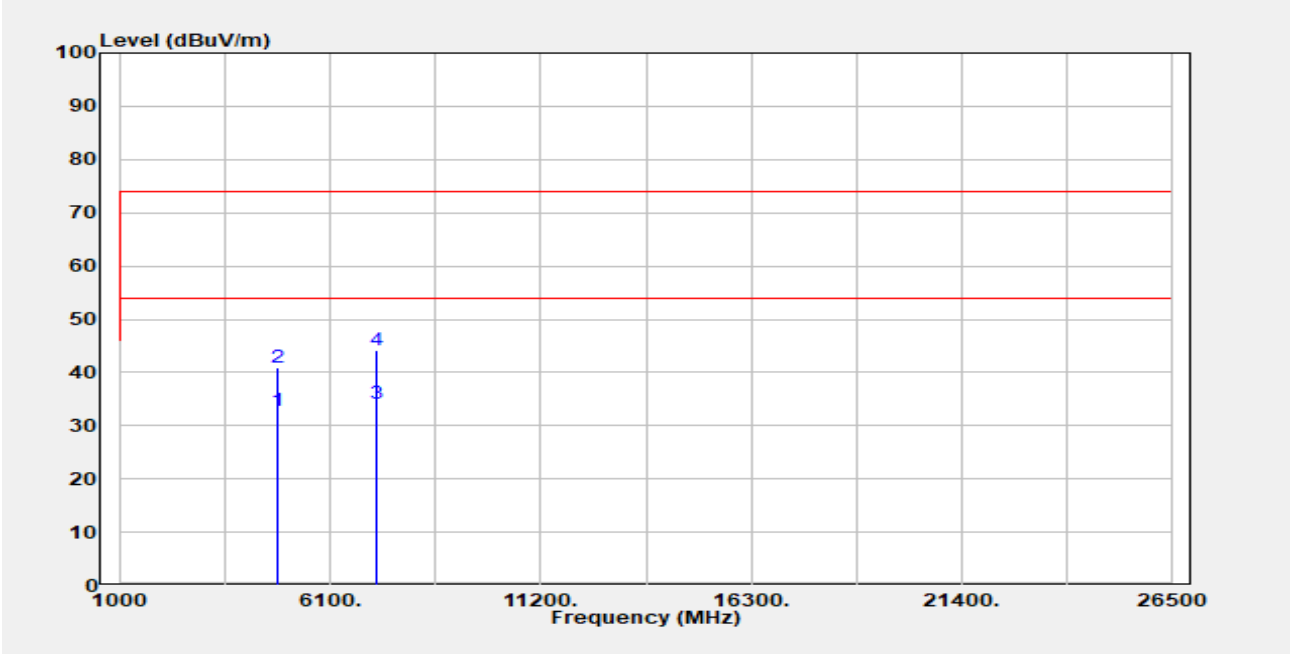
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 1M	Test Date	:2025-12-16
Test Frequency	:2402 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4804.00	Average	32.42	0.48	32.90	54.00	-21.10
4804.00	Peak	40.40	0.48	40.88	74.00	-33.12
7206.00	Average	27.19	6.90	34.09	54.00	-19.91
7206.00	Peak	37.39	6.90	44.29	74.00	-29.71

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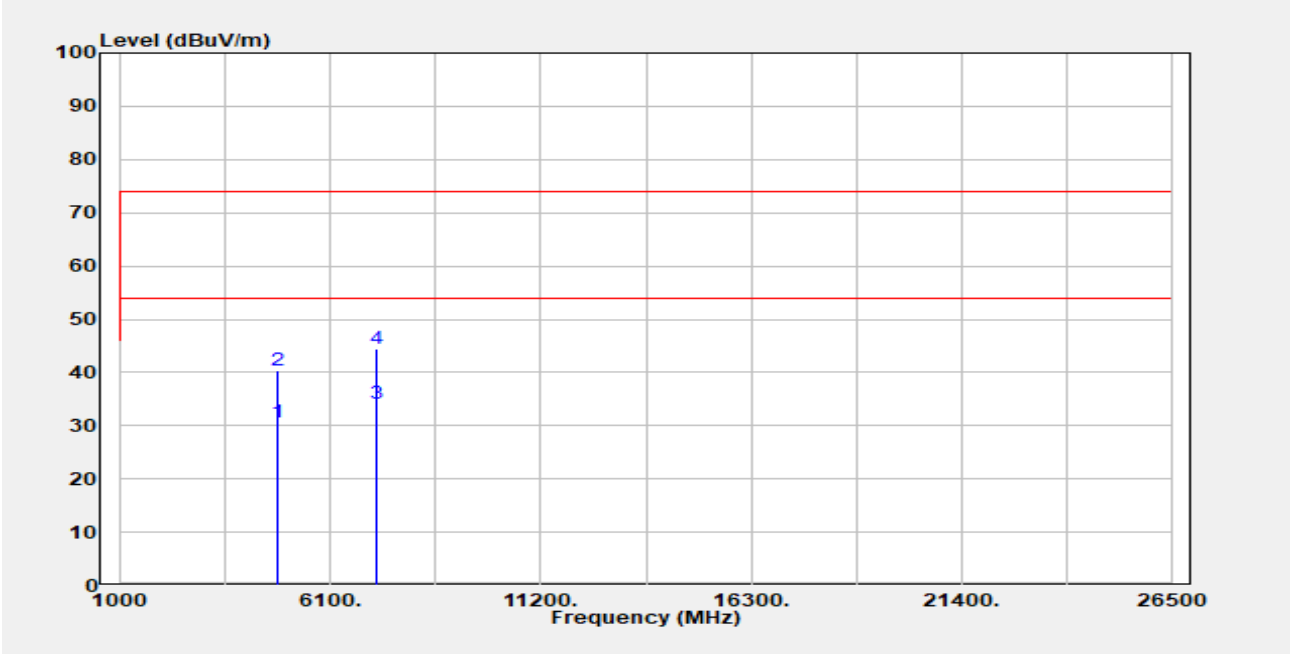
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 1M	Test Date	:2025-12-16
Test Frequency	:2402 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4804.00	Average	30.08	0.48	30.56	54.00	-23.44
4804.00	Peak	39.99	0.48	40.47	74.00	-33.53
7206.00	Average	27.19	6.90	34.09	54.00	-19.91
7206.00	Peak	37.42	6.90	44.32	74.00	-29.68

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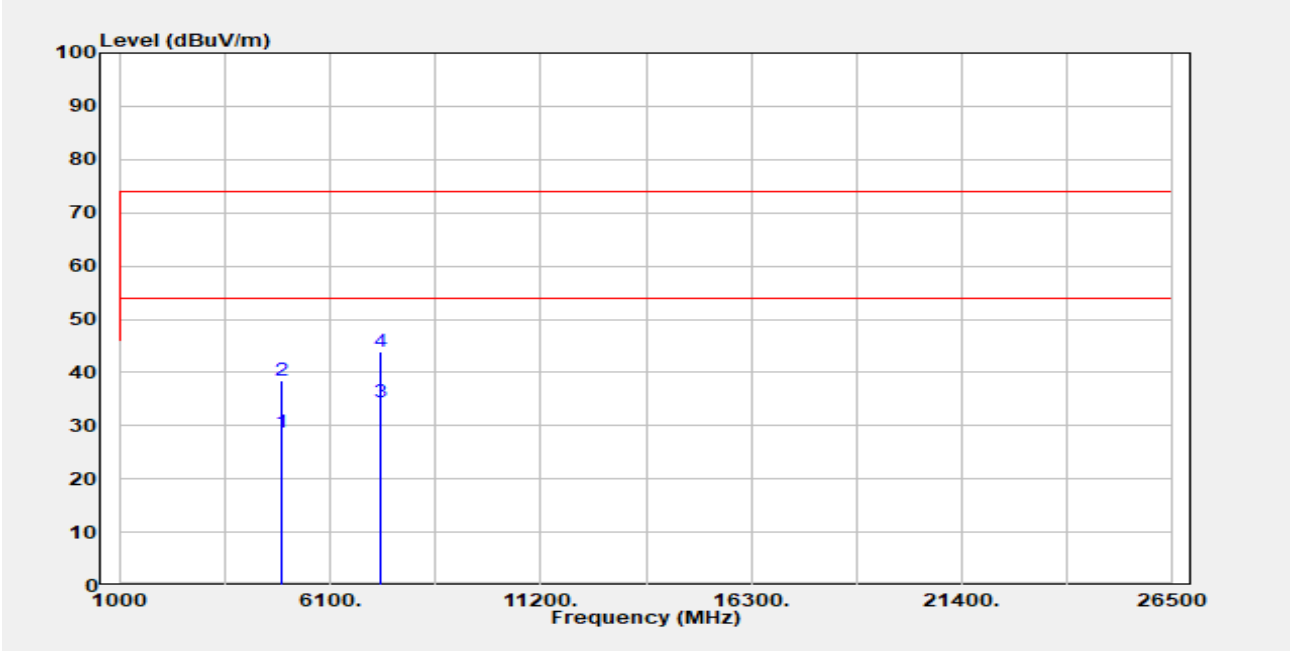
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 1M	Test Date	:2025-12-16
Test Frequency	:2442 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	27.82	0.95	28.77	54.00	-25.23
4884.00	Peak	37.51	0.95	38.46	74.00	-35.54
7326.00	Average	26.87	7.51	34.38	54.00	-19.62
7326.00	Peak	36.47	7.51	43.98	74.00	-30.02

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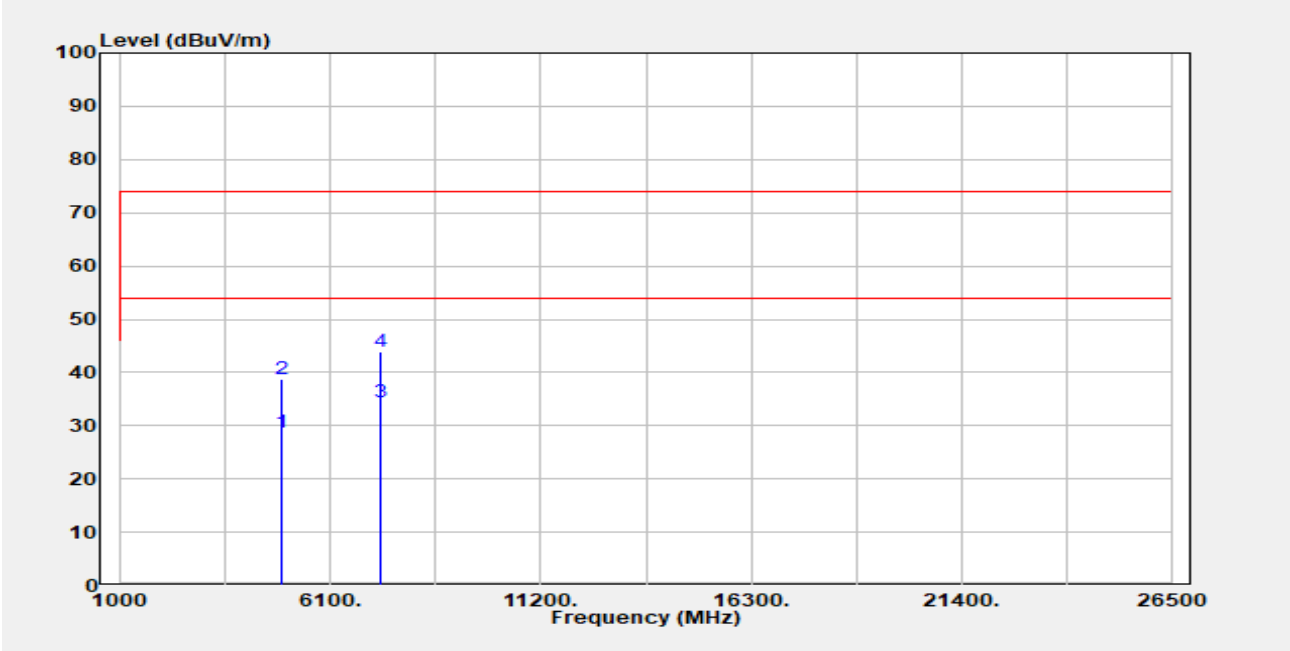
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 1M	Test Date	:2025-12-16
Test Frequency	:2442 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	27.90	0.95	28.85	54.00	-25.15
4884.00	Peak	37.77	0.95	38.72	74.00	-35.28
7326.00	Average	26.86	7.51	34.37	54.00	-19.63
7326.00	Peak	36.36	7.51	43.87	74.00	-30.13

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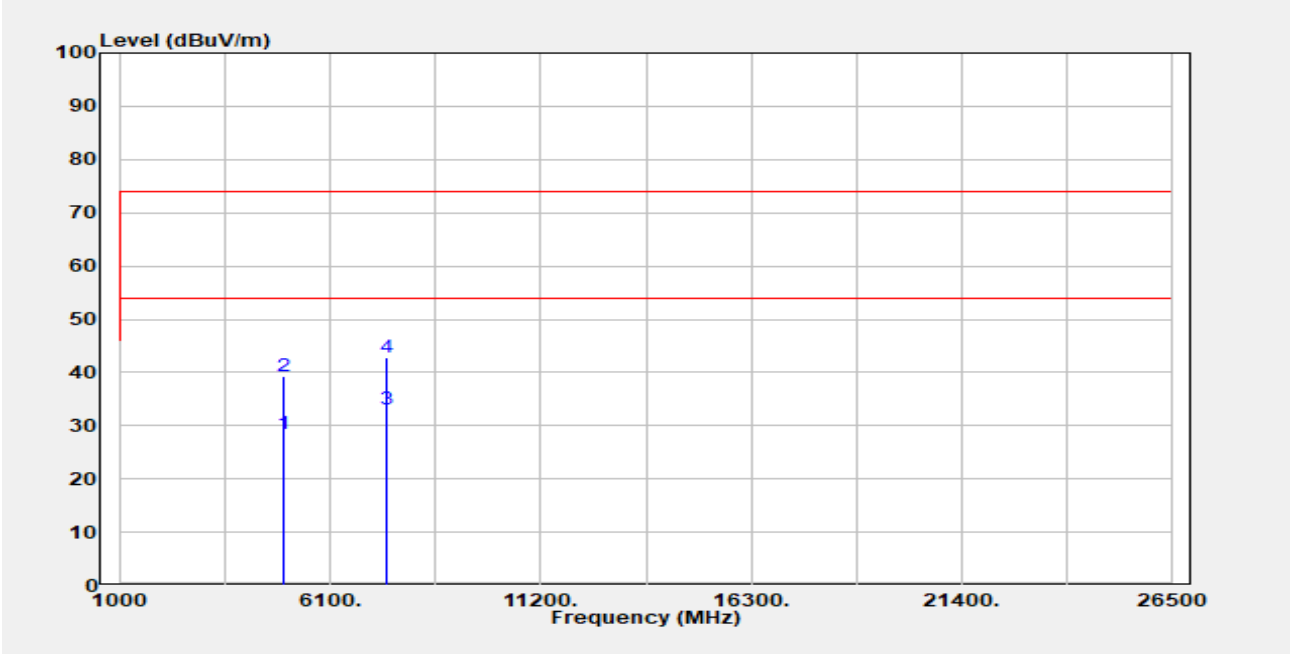
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 1M	Test Date	:2025-12-16
Test Frequency	:2480 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4960.00	Average	27.18	1.25	28.43	54.00	-25.57
4960.00	Peak	37.98	1.25	39.23	74.00	-34.77
7440.00	Average	25.85	7.23	33.08	54.00	-20.92
7440.00	Peak	35.47	7.23	42.70	74.00	-31.30

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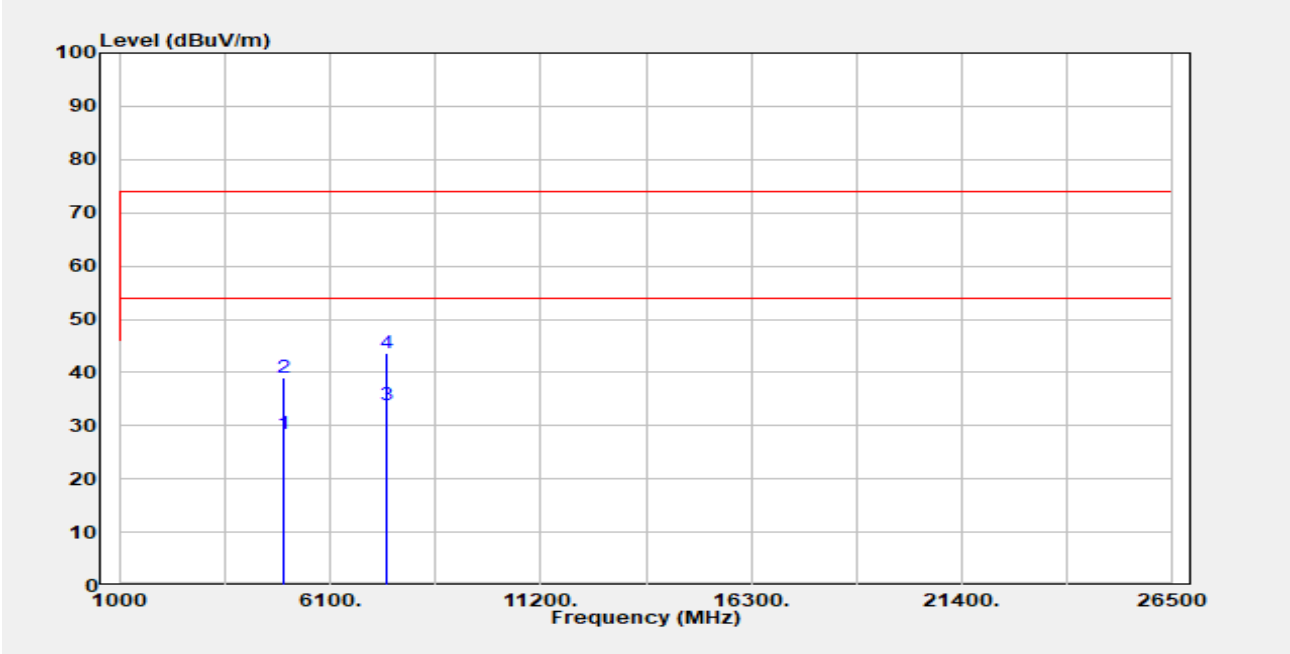
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 1M	Test Date	:2025-12-16
Test Frequency	:2480 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4960.00	Average	27.17	1.25	28.42	54.00	-25.58
4960.00	Peak	37.77	1.25	39.02	74.00	-34.98
7440.00	Average	26.71	7.23	33.94	54.00	-20.06
7440.00	Peak	36.47	7.23	43.70	74.00	-30.30

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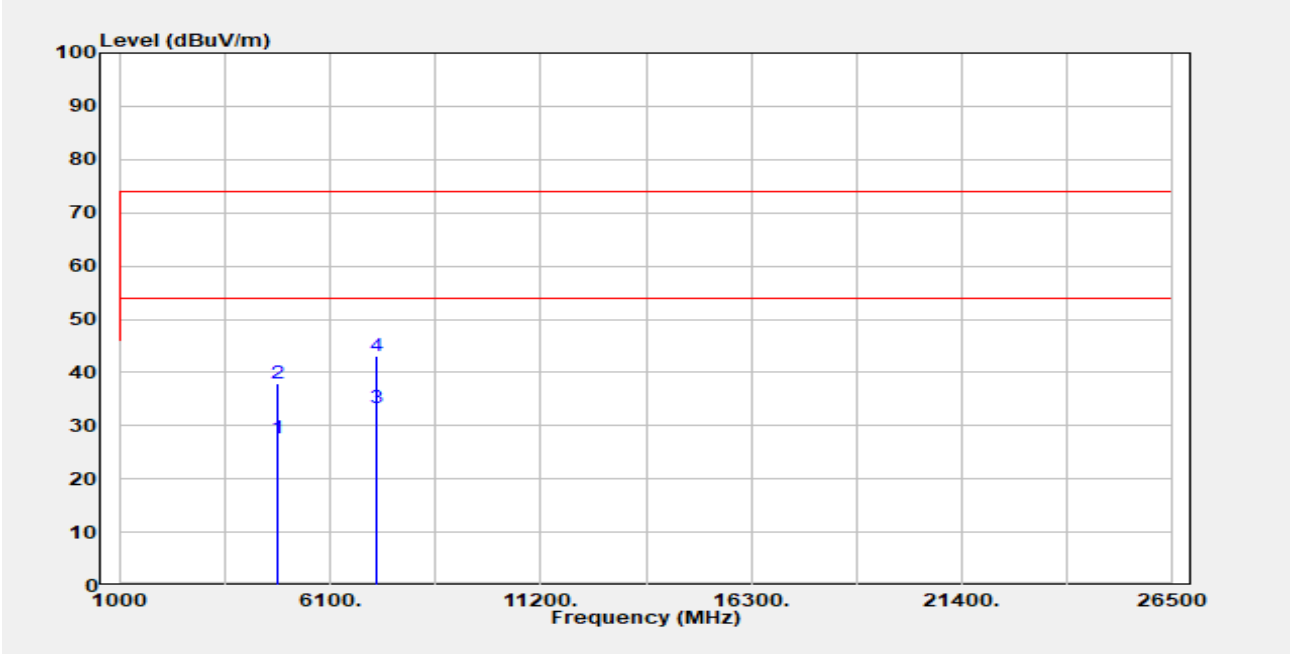
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 2M	Test Date	:2025-12-16
Test Frequency	:2402 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4804.00	Average	27.16	0.48	27.64	54.00	-26.36
4804.00	Peak	37.36	0.48	37.84	74.00	-36.16
7206.00	Average	26.47	6.90	33.37	54.00	-20.63
7206.00	Peak	36.27	6.90	43.17	74.00	-30.83

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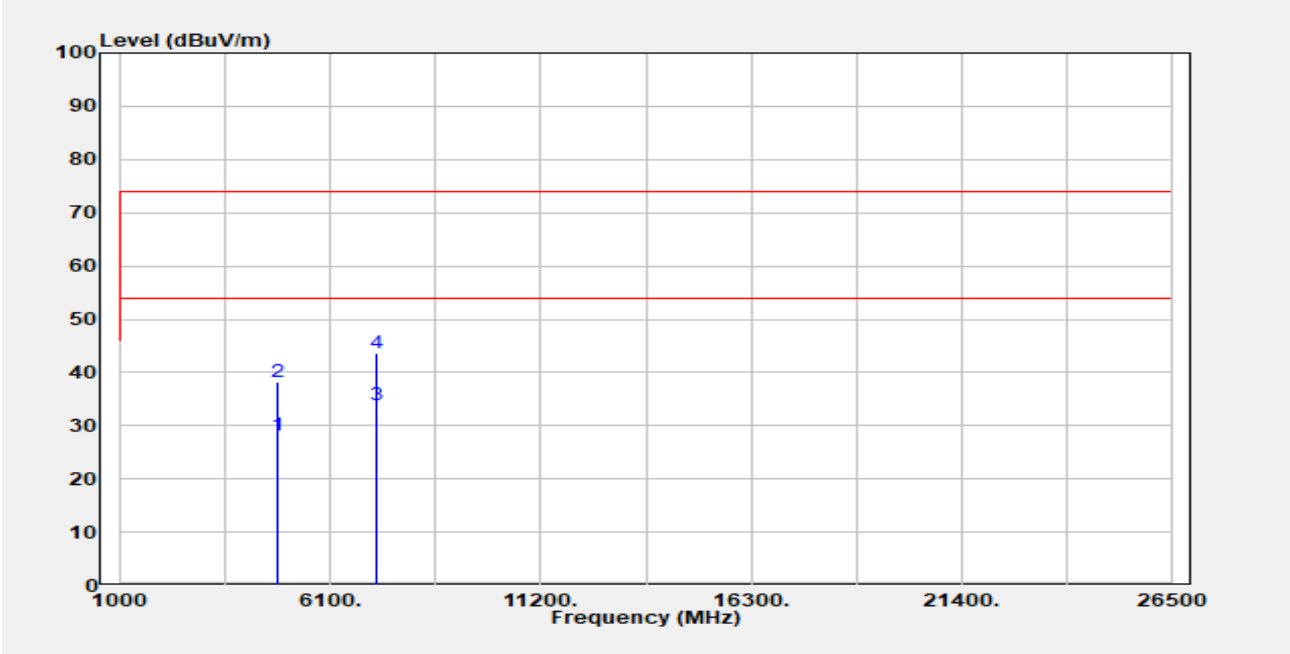
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 2M	Test Date	:2025-12-16
Test Frequency	:2402 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4804.00	Average	27.71	0.48	28.19	54.00	-25.81
4804.00	Peak	37.81	0.48	38.29	74.00	-35.71
7206.00	Average	26.87	6.90	33.77	54.00	-20.23
7206.00	Peak	36.67	6.90	43.57	74.00	-30.43

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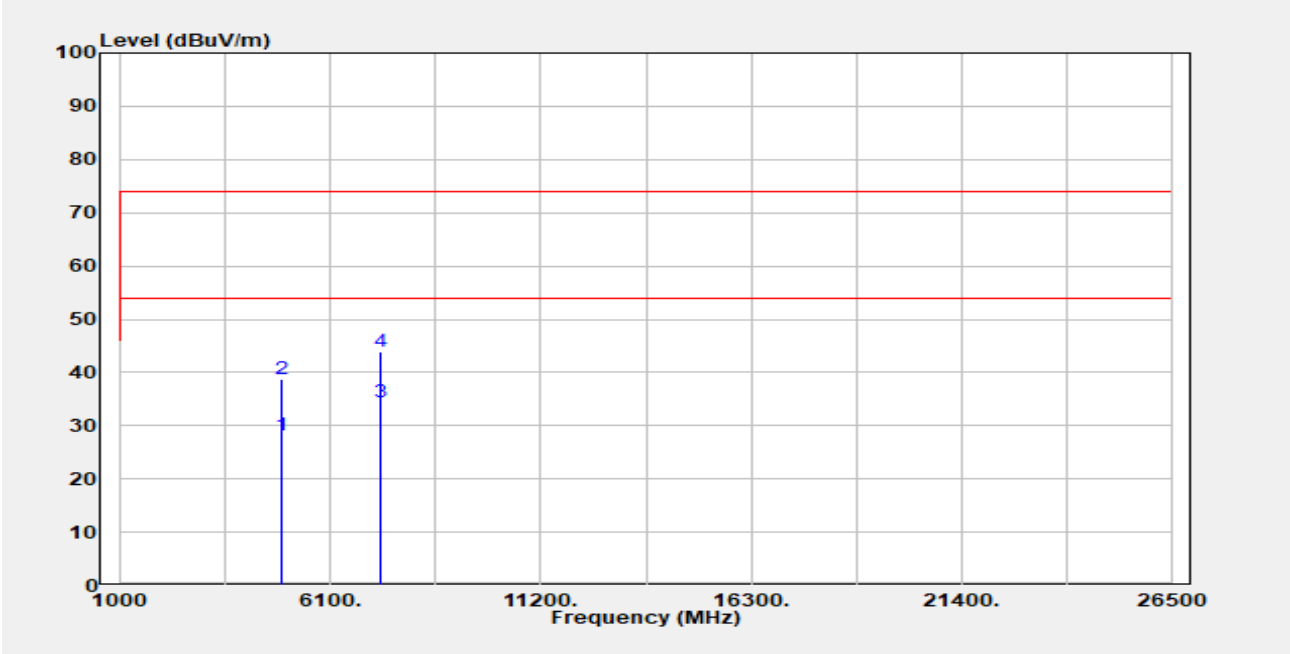
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 2M	Test Date	:2025-12-16
Test Frequency	:2442 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	27.19	0.95	28.14	54.00	-25.86
4884.00	Peak	37.92	0.95	38.87	74.00	-35.13
7326.00	Average	26.86	7.51	34.37	54.00	-19.63
7326.00	Peak	36.26	7.51	43.77	74.00	-30.23

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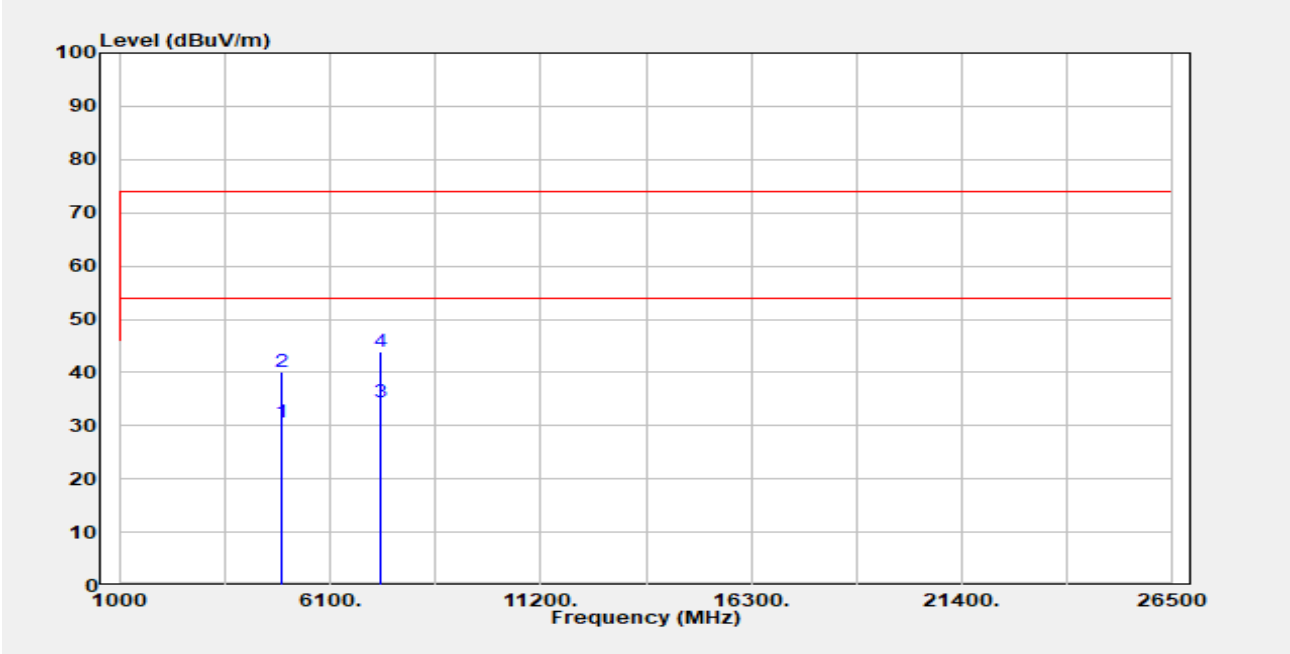
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 2M	Test Date	:2025-12-16
Test Frequency	:2442 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	29.73	0.95	30.68	54.00	-23.32
4884.00	Peak	39.13	0.95	40.08	74.00	-33.92
7326.00	Average	27.01	7.51	34.52	54.00	-19.48
7326.00	Peak	36.37	7.51	43.88	74.00	-30.12

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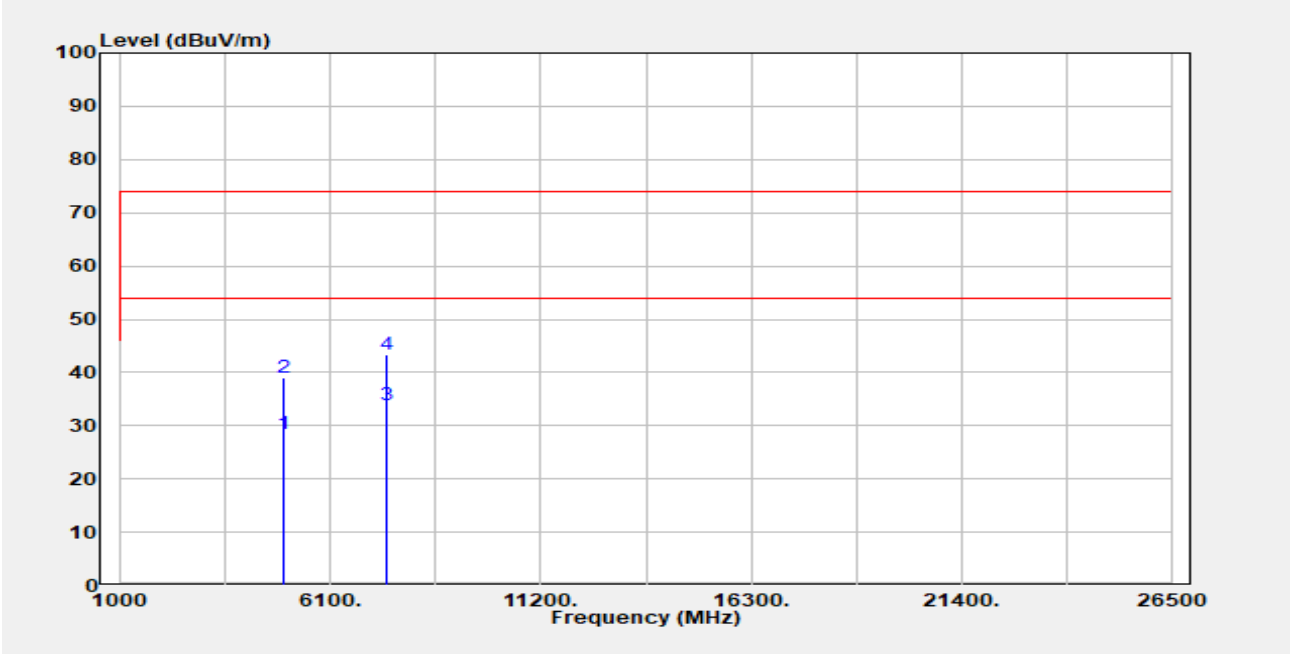
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 2M	Test Date	:2025-12-16
Test Frequency	:2480 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4960.00	Average	27.11	1.25	28.36	54.00	-25.64
4960.00	Peak	37.71	1.25	38.96	74.00	-35.04
7440.00	Average	26.72	7.23	33.95	54.00	-20.05
7440.00	Peak	36.12	7.23	43.35	74.00	-30.65

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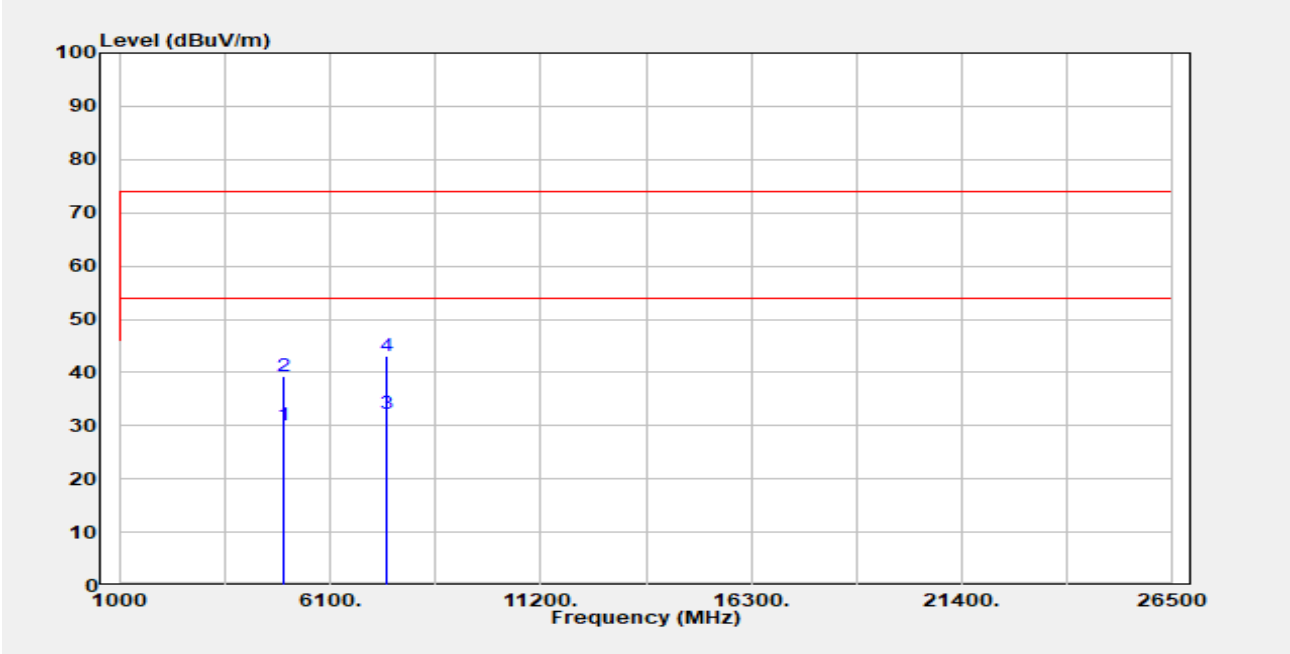
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 2M	Test Date	:2025-12-16
Test Frequency	:2480 MHz	Temp./Humi.	:23.2℃/62%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E1 Plane	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4960.00	Average	28.83	1.25	30.08	54.00	-23.92
4960.00	Peak	38.13	1.25	39.38	74.00	-34.62
7440.00	Average	25.12	7.23	32.35	54.00	-21.65
7440.00	Peak	35.82	7.23	43.05	74.00	-30.95

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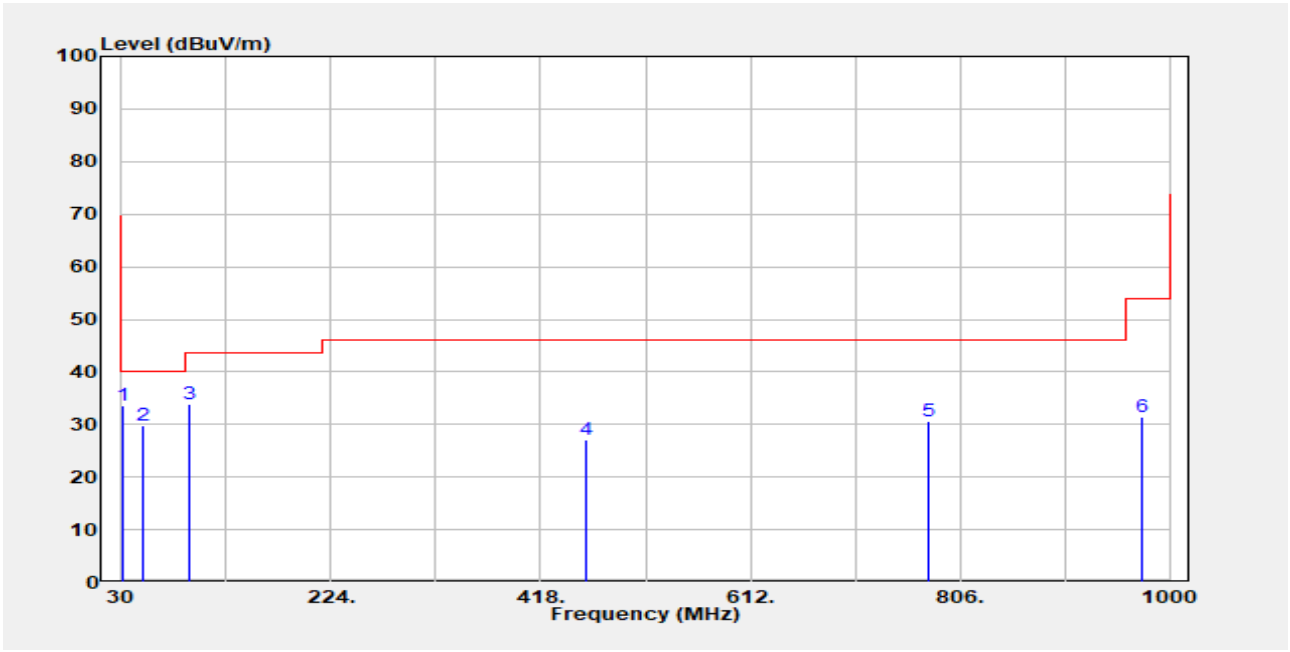
Spot Check for 2nd PCB+2nd battery+2nd memory

Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 1M	Test Date	:2026-01-13
Test Frequency	:2442 MHz	Temp./Humi.	:17.2℃/65%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
30.970	QP	47.20	-13.65	33.55	40.00	-6.45
50.370	QP	41.50	-11.69	29.81	40.00	-10.19
92.080	Peak	51.91	-17.94	33.97	43.50	-9.53
460.680	Peak	33.70	-6.53	27.17	46.00	-18.83
776.900	Peak	30.93	-0.39	30.54	46.00	-15.46
973.810	Peak	29.85	1.69	31.54	54.00	-22.46

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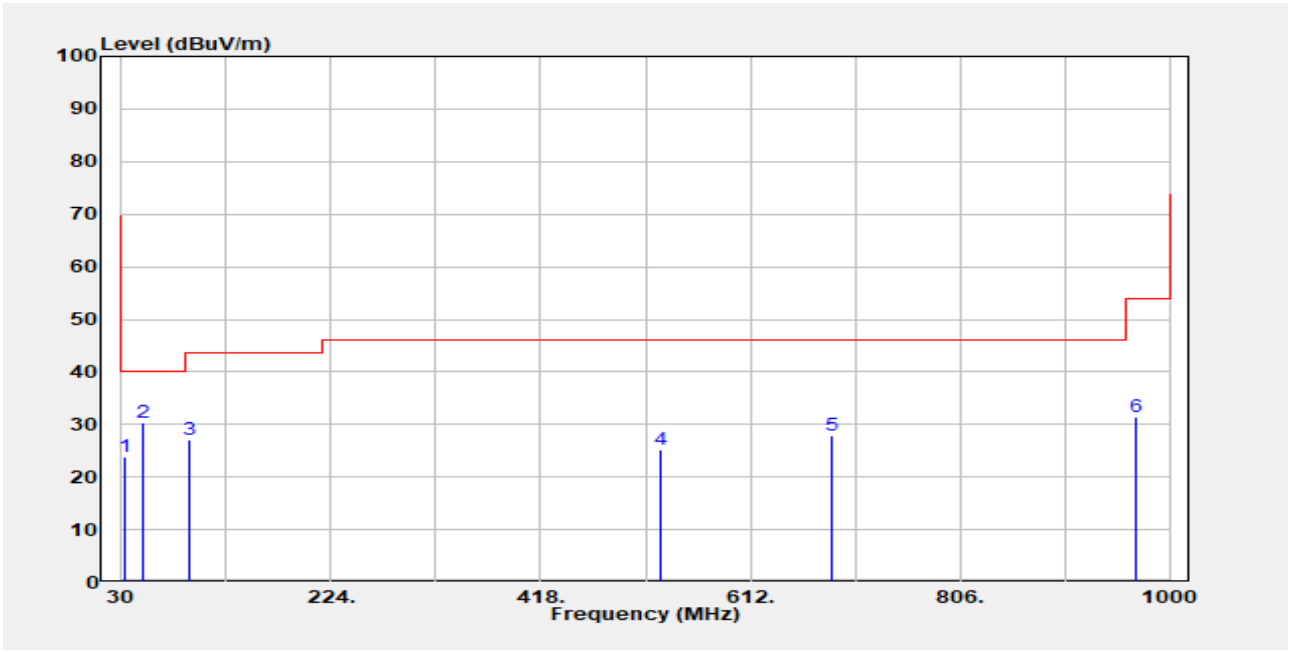
Report Number	:TERF2512004207E2	Test Site	:SAC C
Operation Mode	:BLE 1M	Test Date	:2026-01-13
Test Frequency	:2442 MHz	Temp./Humi.	:17.2℃/65%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
32.910	QP	37.50	-13.59	23.91	40.00	-16.09
50.370	QP	42.10	-11.69	30.41	40.00	-9.59
92.080	Peak	45.08	-17.94	27.13	43.50	-16.37
529.550	Peak	30.42	-5.29	25.13	46.00	-20.87
687.660	Peak	30.22	-2.36	27.86	46.00	-18.14
968.960	Peak	29.65	1.75	31.40	54.00	-22.60

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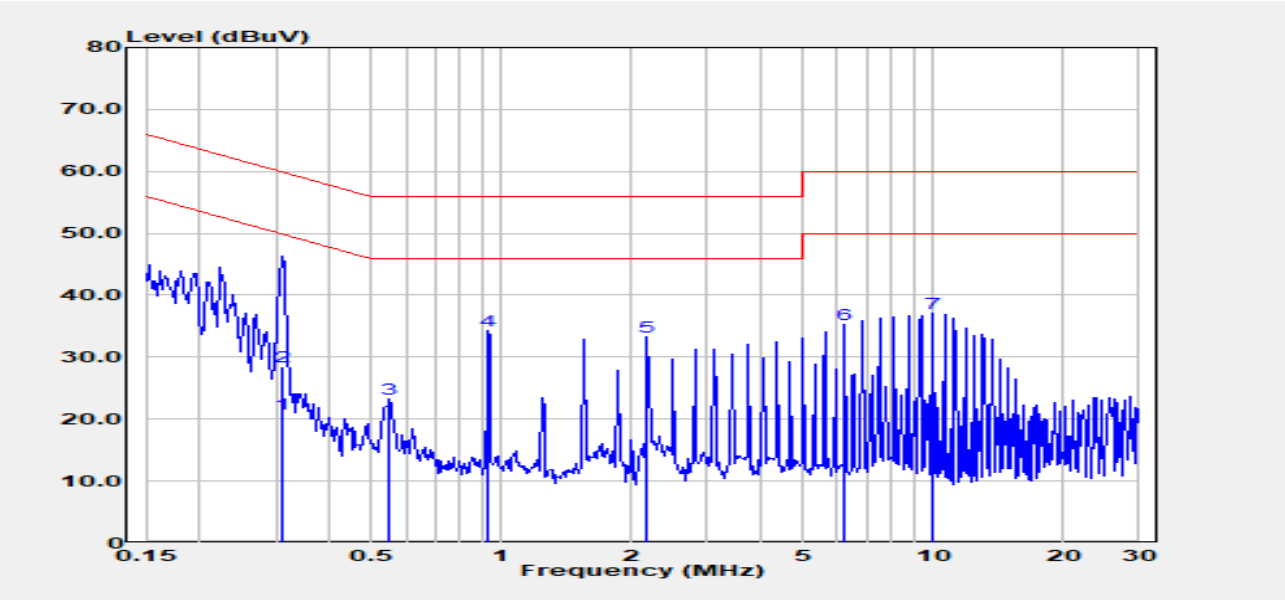
7.7 AC Power Line Conducted Emission

Report Number	:TERF2512004207E2	Test Site	:Conduction C
Test Mode	:BLE 1M	Test Date	:2025-12-17
Power	:120V/60Hz	Temp./Humi.	:26.2℃/63%
Probe	:L1	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV	dBµV	dB
0.311	QP	10.30	10.63	20.93	59.93	-39.00
0.311	QP	17.80	10.63	28.43	59.93	-31.50
0.550	Peak	12.54	10.63	23.17	56.00	-32.83
0.931	Peak	23.64	10.68	34.32	56.00	-21.68
2.176	Peak	22.44	10.79	33.22	56.00	-22.78
6.236	Peak	24.42	10.96	35.38	60.00	-24.62
10.033	Peak	26.19	10.96	37.15	60.00	-22.85

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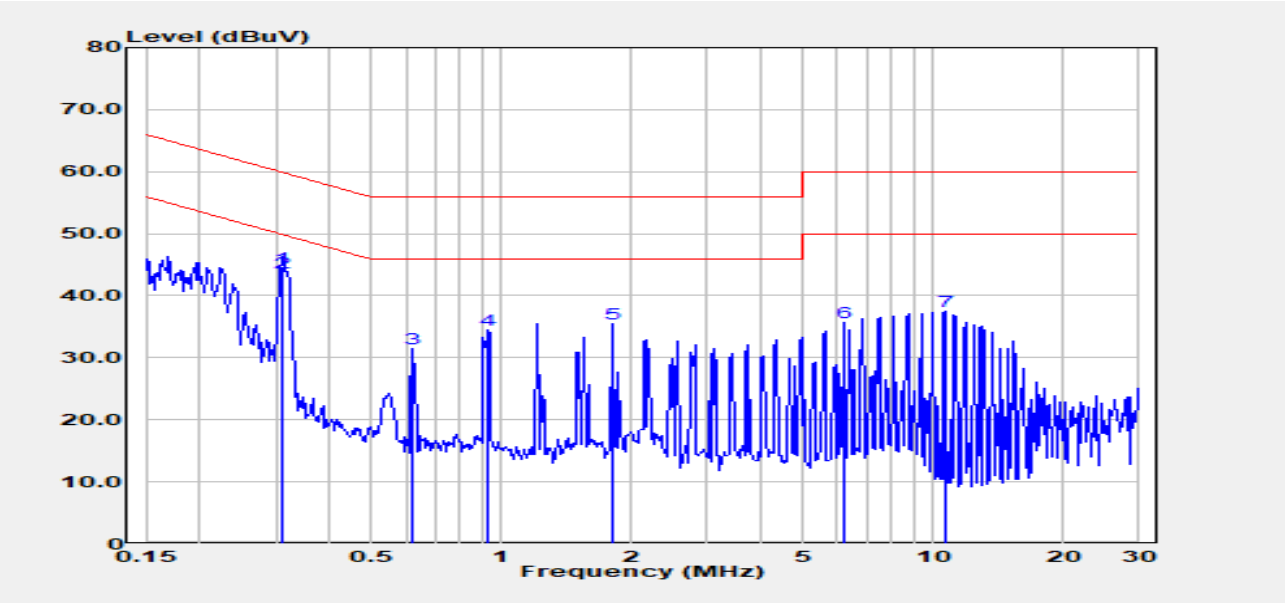
Report Number	:TERF2512004207E2	Test Site	:Conduction C
Test Mode	:BLE 1M	Test Date	:2025-12-17
Power	:120V/60Hz	Temp./Humi.	:26.2℃/63%
Probe	:N	Engineer	:Wilson Wang



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV	dBµV	dB
0.309	Average	33.90	10.63	44.53	50.01	-5.48
0.309	QP	33.00	10.63	43.63	60.01	-16.38
0.625	Peak	20.94	10.62	31.56	56.00	-24.44
0.931	Peak	23.73	10.66	34.39	56.00	-21.61
1.805	Peak	24.83	10.74	35.57	56.00	-20.43
6.236	Peak	24.69	10.94	35.63	60.00	-24.37
10.647	Peak	26.49	10.97	37.46	60.00	-22.54

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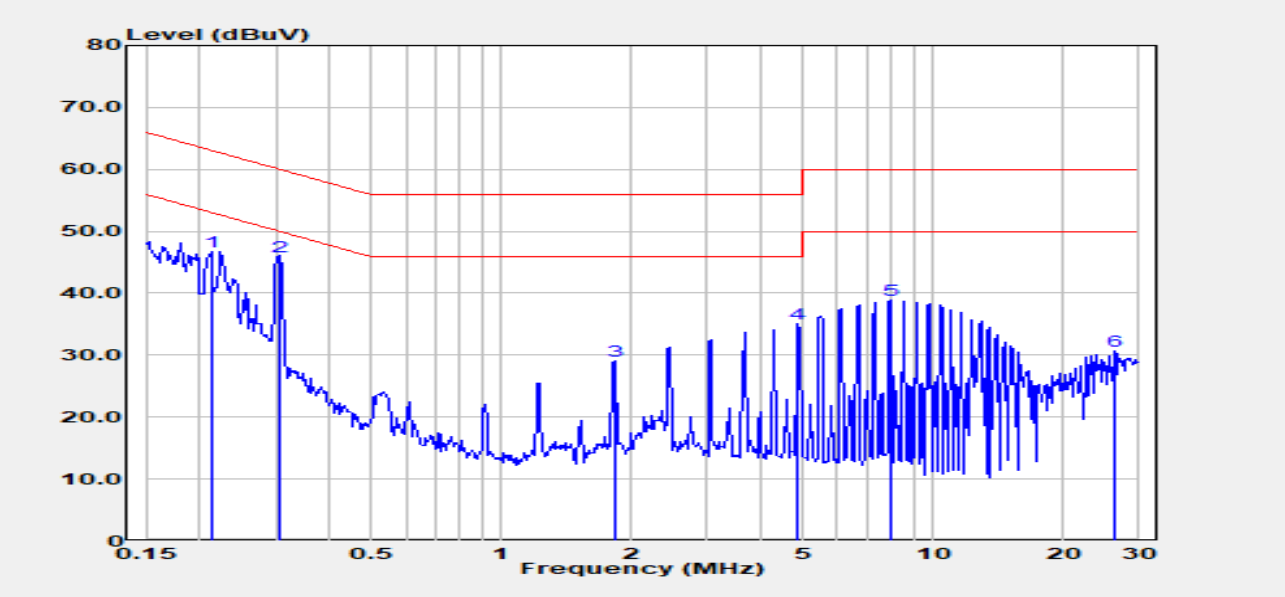
Spot Check for 2nd PCB+2nd battery+2nd memory

Report Number	:TERF2512004207E2	Test Site	:Conduction C
Test Mode	:BLE	Test Date	:2026-01-13
Power	:120V/60Hz	Temp./Humi.	:22.8℃/47%
Probe	:L1	Engineer	:Alex Li



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV	dBµV	dB
0.212	Peak	36.13	10.65	46.78	63.11	-16.33
0.306	Peak	35.37	10.63	46.00	60.08	-14.07
1.836	Peak	18.27	10.76	29.03	56.00	-26.97
4.875	Peak	24.24	10.95	35.19	56.00	-20.81
7.977	Peak	27.87	10.96	38.82	60.00	-21.18
26.412	Peak	19.32	11.30	30.62	60.00	-29.38

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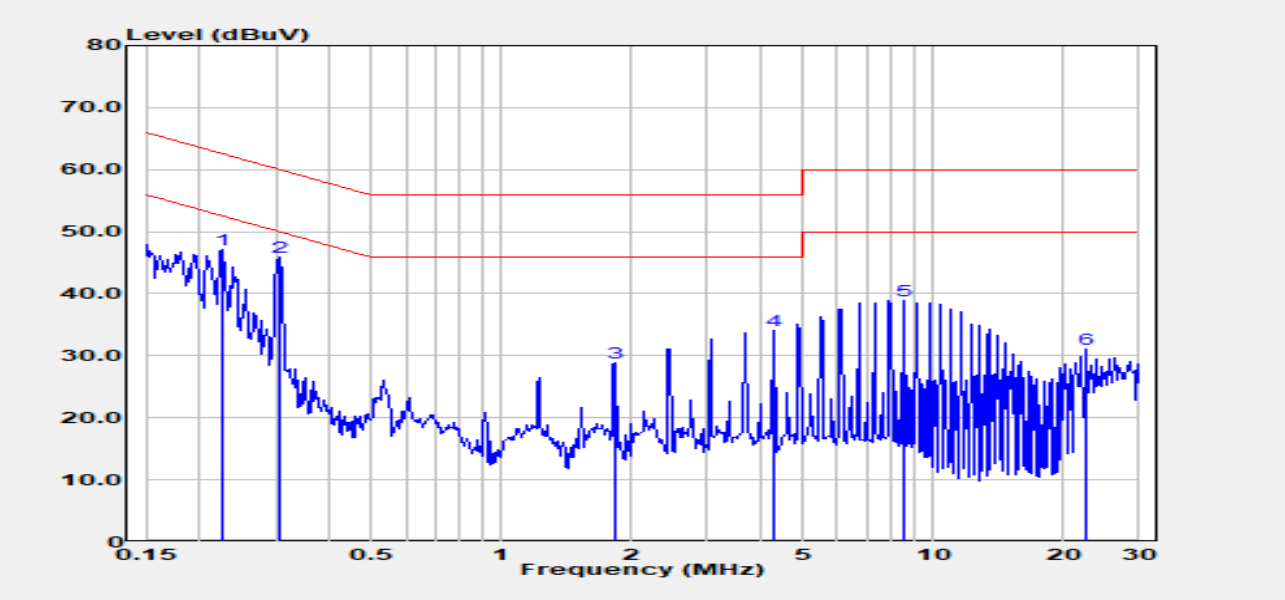
Report Number	:TERF2512004207E2	Test Site	:Conduction C
Test Mode	:BLE	Test Date	:2026-01-13
Power	:120V/60Hz	Temp./Humi.	:22.8℃/47%
Probe	:N	Engineer	:Alex Li



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV	dBµV	dB
0.225	Peak	36.48	10.64	47.12	62.61	-15.49
0.306	Peak	35.33	10.63	45.96	60.08	-14.12
1.836	Peak	18.21	10.74	28.95	56.00	-27.05
4.256	Peak	23.28	10.89	34.18	56.00	-21.82
8.538	Peak	27.94	10.95	38.89	60.00	-21.11
22.669	Peak	19.88	11.23	31.11	60.00	-28.89

~ End of Report ~

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