

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT



EUT Description: Wireless module installed in Notebook

Applicant: Realtek Semiconductor Corp.
No. 2, Innovation Road II, Hsinchu Science Park, Hsinchu
300, Taiwan

Manufacturer: Realtek Semiconductor Corp.
No. 2, Innovation Road II, Hsinchu Science Park, Hsinchu
300, Taiwan

Brand Name: REALTEK

Model No. RTL8852CE

FCC Host Model: GL6J, GL6*** ("*" means 20 alphanumeric, maybe 0-9, A-Z, -,
_, + or blank)

Report Number: TERF2603000798E2

FCC ID TX2-RTL8852CE

Date of EUT Received: N/A, the test results are fully leveraged from test report num-
ber TERF2603000803E2, for more details please refer to sec-
tion 2 in this report.

Date of Test: N/A, the test results are fully leveraged from test report num-
ber TERF2603000803E2, for more details please refer to sec-
tion 2 in this report.

Issue Date: April 9, 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
TERF2603000798E2	00	Original	April 9, 2026	Sandy Yu	

Note:

- 1、The remark "*" indicates modification of the report upon requests from certification body.
- 2、Variant information of model numbers is provided by the applicant, test results of this report are applicable to the sample EUT(s) received.
And are assessed as electrically identical in RF characteristics, therefore, no further assessment required for the variant(s).

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1 GENERAL INFORMATION

1.1 Equipment Under Test (EUT)

EUT Description	Wireless module installed in Notebook
Brand Name	REALTEK
Model No.	RTL8852CE
Host Brand Name:	GIGABYTE
FCC Host Model	GL6J, GL6*** (“*” means 20 alphanumeric, maybe 0-9, A-Z, -, _, + or blank)
Family FCC Host Model Difference:	For marketing use only
Hardware Version:	N/A
Firmware Version:	6001.16.165.0
EUT Series No.:	S8060433700010
Power Supply	11.31 Vdc from Rechargeable Li-ion Battery 19.5 Vdc from AC/DC Adapter
Test Software (Name/Version)	REALTEK mp_V2.0.41

1.2 RF Specification

Radio Technology	BLE
Frequency Range	2402 ~ 2480MHz
Channel number	40 channels
Modulation type	GFSK
Transmit Power	BLE 1M: 8.15 dBm BLE 2M: 9.03 dBm

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1.3 Antenna Designation

Ant. Type	Brand	Model No.	Freq. (MHz)	Peak Gain(dBi)
PIFA	High-tek	DC330035O10 (0ACMYL25465N)	2400~2483.5	2.75
	INPAQ	DC330035N10 (WA-P-LE-01-146)	2400~2483.5	2.59

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.

1.4 Operating Frequencies

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

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1.5 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 modes below.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
CONDUCTED TEST				
Bluetooth LE_1M	0 to 39	0,19,39	GFSK	1
Bluetooth LE_2M	1 to 38	1,19,38	GFSK	2

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz)				
Bluetooth LE_1M	0 to 39	19	GFSK	1
TRANSMIT RADIATED EMISSION TEST (ABOVE 1 GHz)				
Bluetooth LE_1M	0 to 39	0,19,39	GFSK	1
Bluetooth LE_2M	1 to 38	1,38	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.				

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2 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result	Note
§15.247(b) (3)	Peak Output Power	Compliant	
§15.205 §15.209 §15.247(d)	Unwanted Emission	Compliant	

Note

1. N/S Indicates whether item(s) being newly tested [N] or spot checked [S].
2. Items other than newly tested [N] are leveraged from test report TERF2603000803E2.

2.1 Test Methodology of Applied Standards

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

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2.2 Measurement Uncertainty

Test Items	Uncertainty
AC Power Line Conducted Emission	+/- 1.61 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
	+/- 3.41 dB	1GHz - 18GHz
	+/- 3.89 dB	18GHz - 40GHz
Polarization: Horizontal	+/- 1.89 dB	9kHz - 30MHz
	+/- 4.10 dB	30MHz - 1000MHz
	+/- 3.41 dB	1GHz - 18GHz
	+/- 3.89 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 / FAC 1	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 FAC A	TW0028 / 200037	TW3702 / 4620E

Measurement	Test Site Name	Test Engineer	EUT S/N	Test Environment	Test Date
Conducted	Conducted C	Joey You	S8060433700010	21.5~21.9°C / 58~60%	2026/03/20 ~ 2026/03/31

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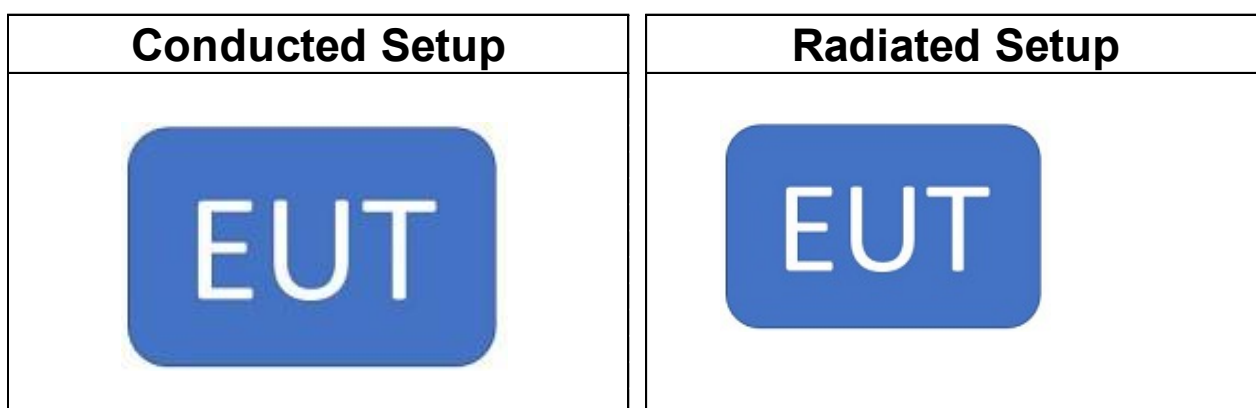
3 CONTROL UNIT(S) AND PERIPHERAL(S)

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



3.3 List

3.3.1 Conducted Setup

N/A.

3.3.2 Radiated Setup

N/A.

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4 TEST INSTRUMENT

4.1 Conducted Measurement

Conducted Emission Test Site: Conducted C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Attenuator	Titan Microwave	T0810A0210A18	RF18	11/13/2025	11/12/2026
Attenuator	Woken	WATT-218FS-10	RF19	11/13/2025	11/12/2026
DC Block	PASTERNAK	PE8210	RF35	11/13/2025	11/12/2026
Power Meter	Anritsu	ML2496A	1512003	09/03/2025	09/02/2026
Power Sensor	Anritsu	MA2411B	1339378	09/03/2025	09/02/2026
Power Sensor	Anritsu	MA2411B	1339379	09/03/2025	09/02/2026
Spectrum Analyzer	KEYSIGHT	N9010B	MY59071573	06/03/2025	06/02/2026
Test Software	SGS Taiwan	Radio Test Software	Ver.21	N.C.R	N.C.R

4.2 Radiated Measurement

Radiated Emission Test Site: SAC D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
2400-2500 Notch Filter	Micro-Tronics	BRM50701-02	RF201	11/13/2025	11/12/2026
3G High pass Filter	R&S	F13 HPF 3GHz	RF160	11/13/2025	11/12/2026
Active Loop Antenna	COM-POWER	AL-130R	10160105	12/16/2025	12/15/2026
Attenuator	Woken	WATT-218FS-10	RF17	11/13/2025	11/12/2026
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-617	12/23/2025	12/22/2026
Coaxial Cable	EMCI+Huber Suhner	RG 214/U+EMC104-SM-SM-500+SUCOFLEX 104+16+EMC105-SM-SM-11000+EMC106-SM-SM-2300	W22.01+W21.01+150707+MY969/4+16+190825+150702	11/13/2025	11/12/2026
Horn Antenna	Schwarzbeck	BBHA9120D	1341	05/29/2025	05/28/2026
Horn Antenna	Schwarzbeck	BBHA9170	184	12/31/2025	12/30/2026
Pre-Amplifier	EMC Instruments	EMC118A45SEE	981125	11/05/2025	11/04/2026
Pre-Amplifier	EMC Instruments	EMC184045SEE	980881	11/13/2025	11/12/2026
Pre-Amplifier	EMC Instruments	EMC9135	980234	11/13/2025	11/12/2026
Spectrum Analyzer	KEYSIGHT	N9010A	MY54510568	10/17/2025	10/16/2026
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 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.

5.2 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.

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5.3 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 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 limits as defined in the general 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	2400/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.

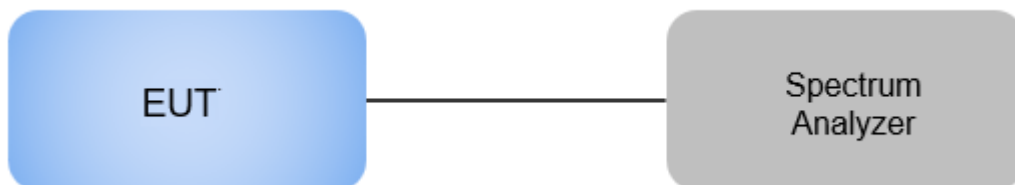
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6 TEST CONFIGURATION

6.1 Maximum Output Power

6.1.1 Duty Cycle



Set the spectrum analyzer as

Center Frequency = fundamental frequency

Span = Zero,

RBW = 8 MHz,

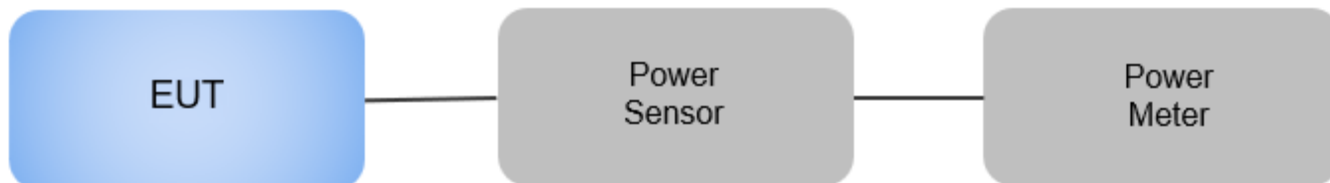
VBW = 8 MHz,

Detector = Peak,

Allow trace to fully stabilize.

Use the delta marker function to determine the ON and OFF times.

6.1.2 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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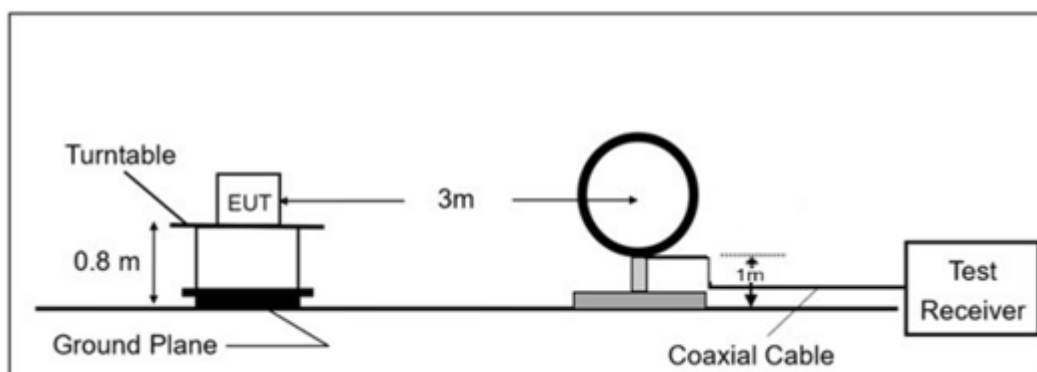
6.2 Unwanted Emissions

For Measurements From 9 kHz To 30 MHz

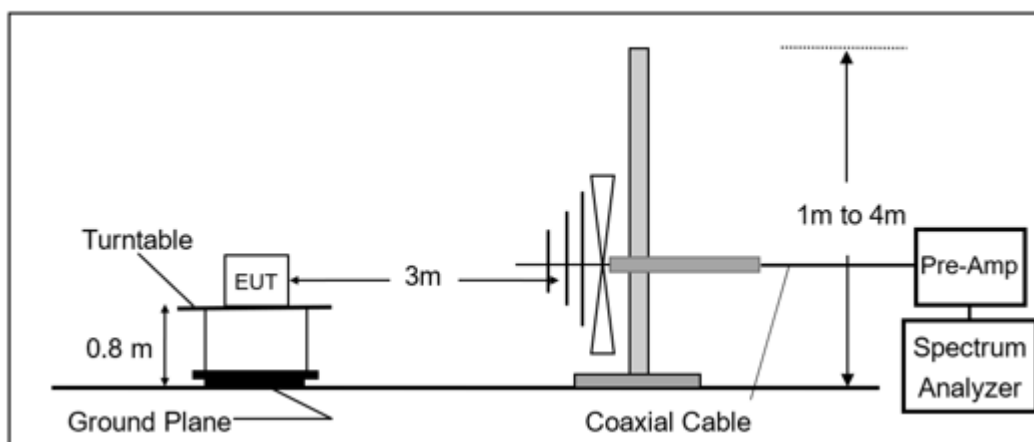
Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

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.



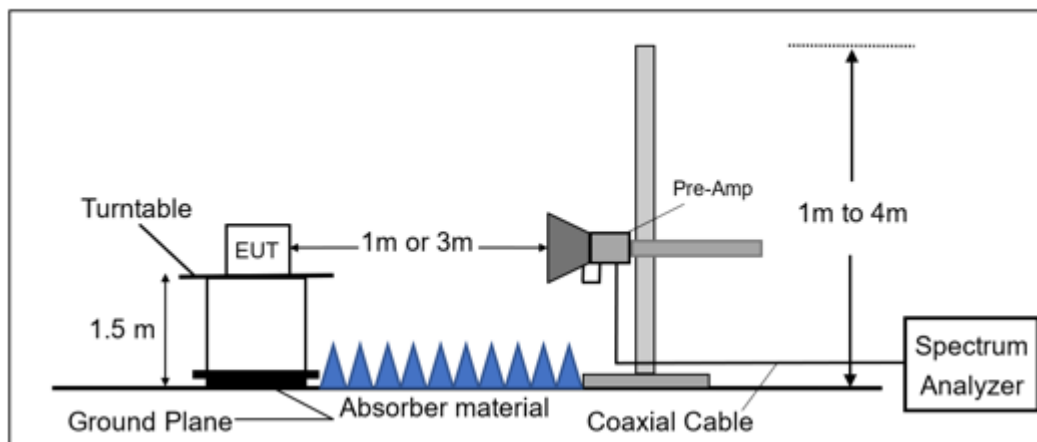
Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



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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 $D \geq 98\%$. If a specific emission is demonstrated to be continuous ($D \geq 98\%$) 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 $\geq 1/T$, 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 $20 \times \log_{10} (T_{on} / 100 \text{ ms})$.
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.

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14. Repeat the above procedures until all default test channels (low, middle, and high) 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.

6.2.1 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 (dB μ V/m)
RA = Reading Amplitude (dB μ V)
AF = Antenna Factor (dB/m)
CL = Cable Loss (dB)
AG = Amplifier Gain (dB)

The emission limit is expressed in dB μ V/m, which corresponds to the logarithmic conversion of $20 \times \log_{10} (\mu\text{V/m})$.

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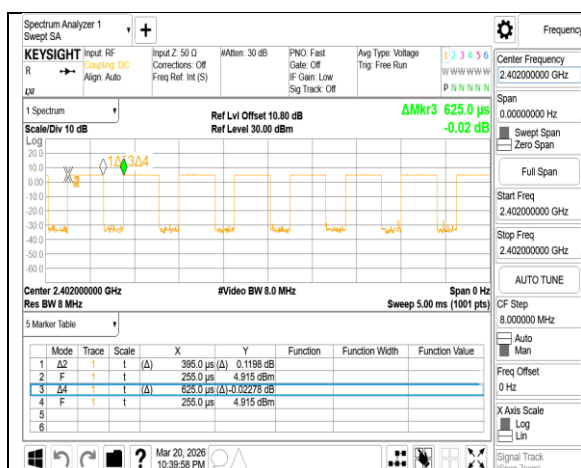
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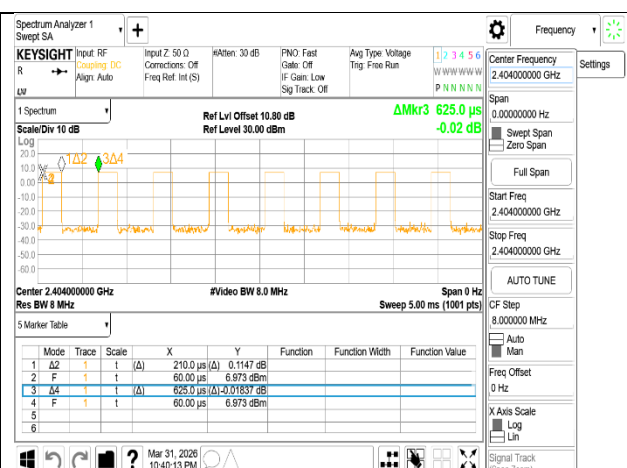
7 TEST RESULTS

7.1 Duty Factor

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
BLE 2M	33.60	4.74	4.76	5.00



BLE_1M_LowCH00-2402



BLE_2M_LowCH01-2404

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7.2 Maximum Output Power

7.2.1 Peak & Avg

BLE 1M mode:

CH	Frequency (MHz)	Power Setting	Peak Output Power (dBm)	Required Limit (dBm)
0	2402	0x4A	8.15	30
19	2440	0x49	8.01	30
39	2480	0x48	8.10	30
CH	Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Required Limit (dBm)
0	2402	0x4A	7.87	30
19	2440	0x49	7.79	30
39	2480	0x48	7.84	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)
1	2404	0x4C	9.03	30
19	2440	0x4B	8.95	30
38	2478	0x4A	8.91	30
CH	Frequency (MHz)	Power Setting	Avg. Output Power (dBm)	Required Limit (dBm)
1	2404	0x4C	8.96	30
19	2440	0x4B	8.93	30
38	2478	0x4A	8.87	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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7.3 Unwanted Emissions

7.3.1 Radiated Band Edge Measurement Result

Report Number :TERF2603000803E2

Test Site :SAC D

Operation Mode :BLE 1M

Test Date :2026-03-27

Test Frequency :2402 MHz

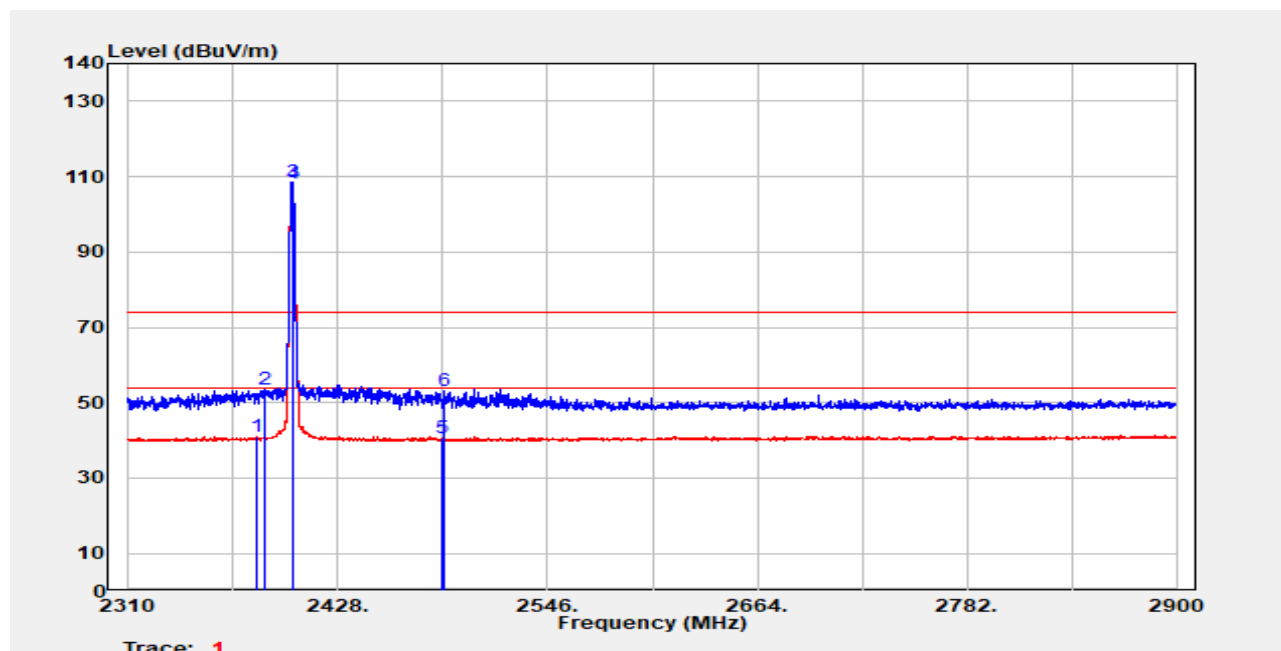
Temp./Humi. :23.1°C/51%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :NB Mode

Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2382.40	Average	44.01	-3.00	41.01	54.00	-12.99
2386.92	Peak	56.55	-3.00	53.55	74.00	-20.45
2402.07	Peak	111.48	-3.09	108.39	-	-
2402.07	Average	111.11	-3.09	108.02	-	-
2486.47	Average	43.62	-3.13	40.49	54.00	-13.51
2487.85	Peak	56.18	-3.14	53.04	74.00	-20.96

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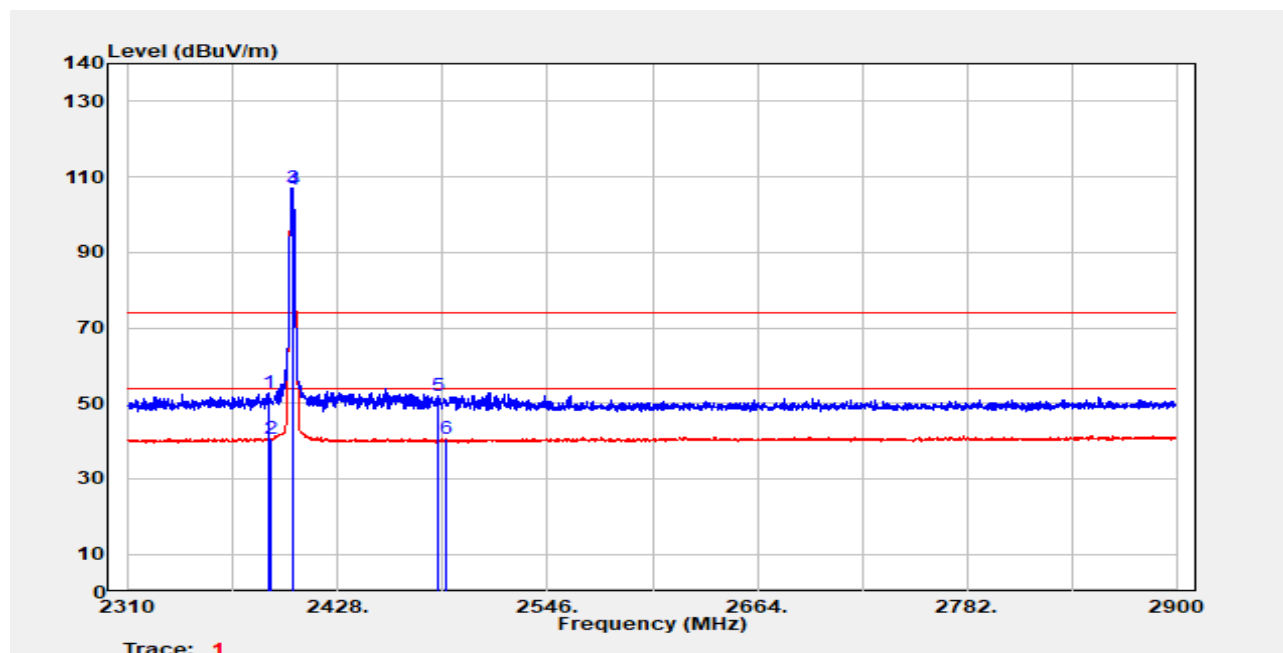
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Report Number :TERF2603000803E2
Operation Mode :BLE 1M
Test Frequency :2402 MHz
Test Mode :Bandedge
EUT Pol :NB Mode

Test Site :SAC D
Test Date :2026-03-27
Temp./Humi. :23.1°C/51%
Antenna Pol. :Horizontal
Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2388.89	Peak	55.84	-2.98	52.86	74.00	-21.14
2389.87	Average	43.73	-2.98	40.75	54.00	-13.25
2402.07	Peak	110.04	-3.09	106.95	-	-
2402.07	Average	109.63	-3.09	106.54	-	-
2483.91	Peak	55.22	-3.13	52.09	74.00	-21.91
2488.83	Average	43.58	-3.13	40.45	54.00	-13.55

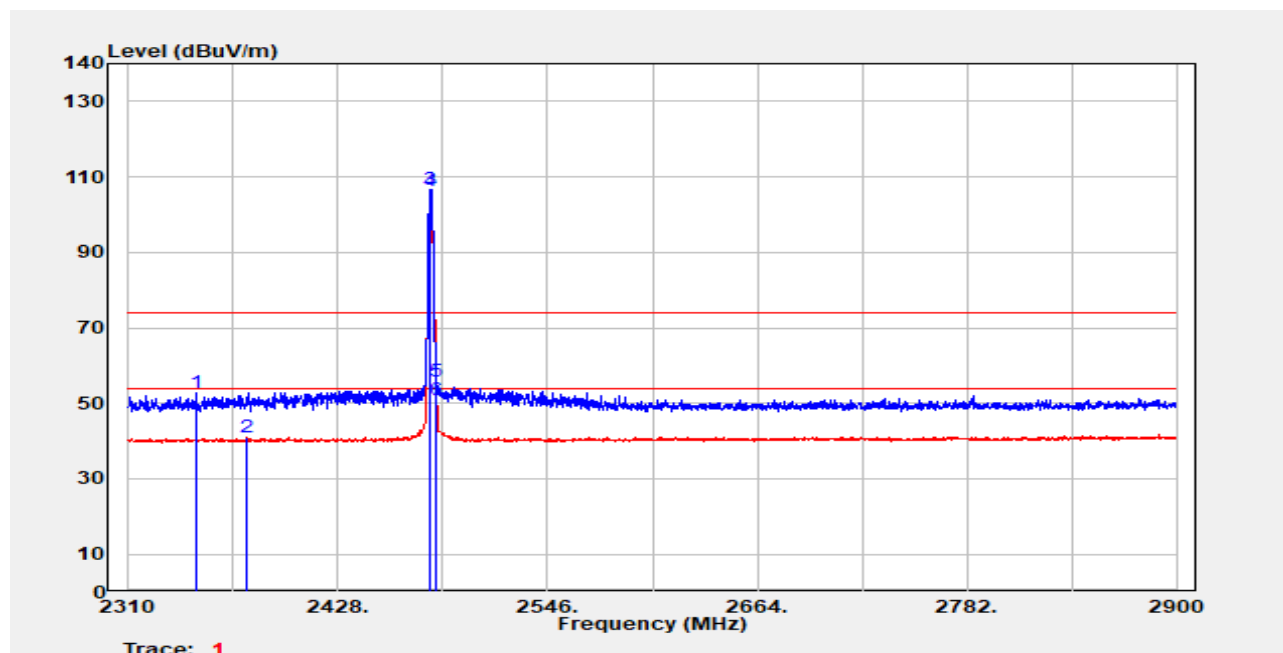
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Report Number :TERF2603000803E2
Operation Mode :BLE 1M
Test Frequency :2480 MHz
Test Mode :Bandedge
EUT Pol :NB Mode

Test Site :SAC D
Test Date :2026-03-27
Temp./Humi. :23.1°C/51%
Antenna Pol. :Vertical
Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2347.77	Peak	55.76	-2.95	52.81	74.00	-21.19
2376.30	Average	43.83	-3.01	40.82	54.00	-13.18
2480.17	Peak	109.84	-3.13	106.71	-	-
2480.17	Average	109.38	-3.13	106.25	-	-
2483.50	Peak	58.83	-3.13	55.70	74.00	-18.30
2483.50	Average	54.16	-3.13	51.03	54.00	-2.97

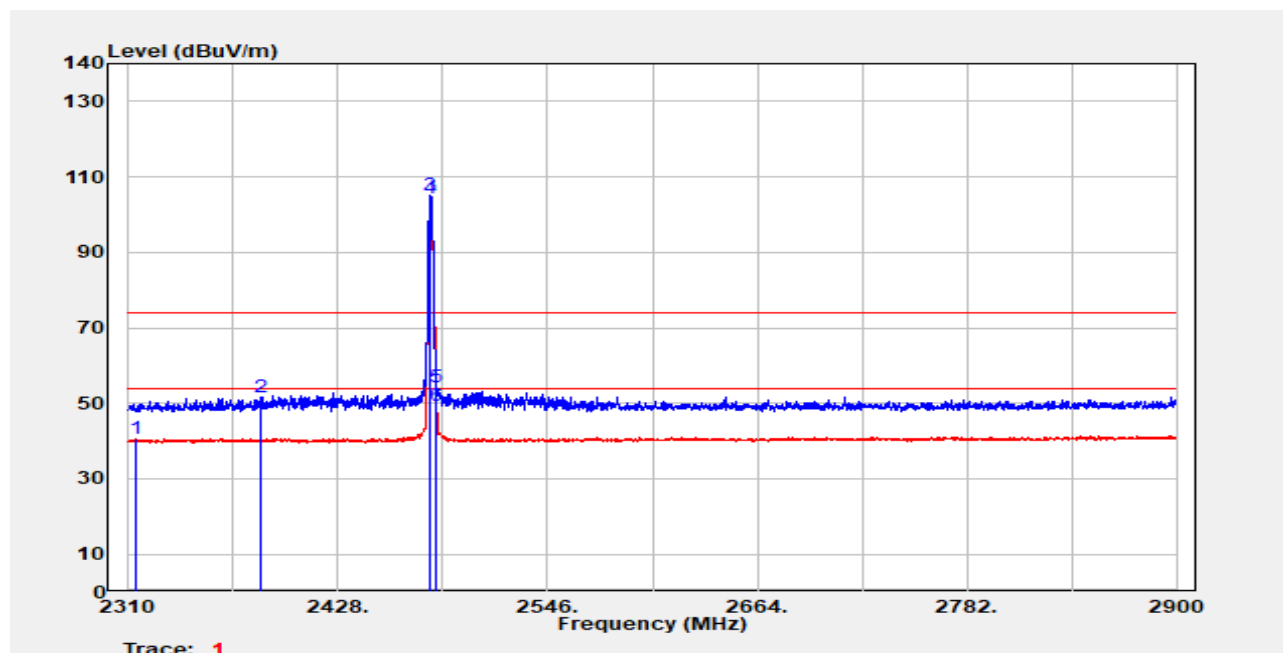
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Report Number :TERF2603000803E2
 Operation Mode :BLE 1M
 Test Frequency :2480 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-27
 Temp./Humi. :23.1°C/51%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
2313.94	Average	43.57	-2.94	40.63	54.00	-13.37
2384.96	Peak	54.73	-3.00	51.73	74.00	-22.27
2480.17	Peak	108.11	-3.13	104.98	-	-
2480.17	Average	107.58	-3.13	104.45	-	-
2483.50	Peak	57.53	-3.13	54.40	74.00	-19.60
2483.50	Average	52.40	-3.13	49.27	54.00	-4.73

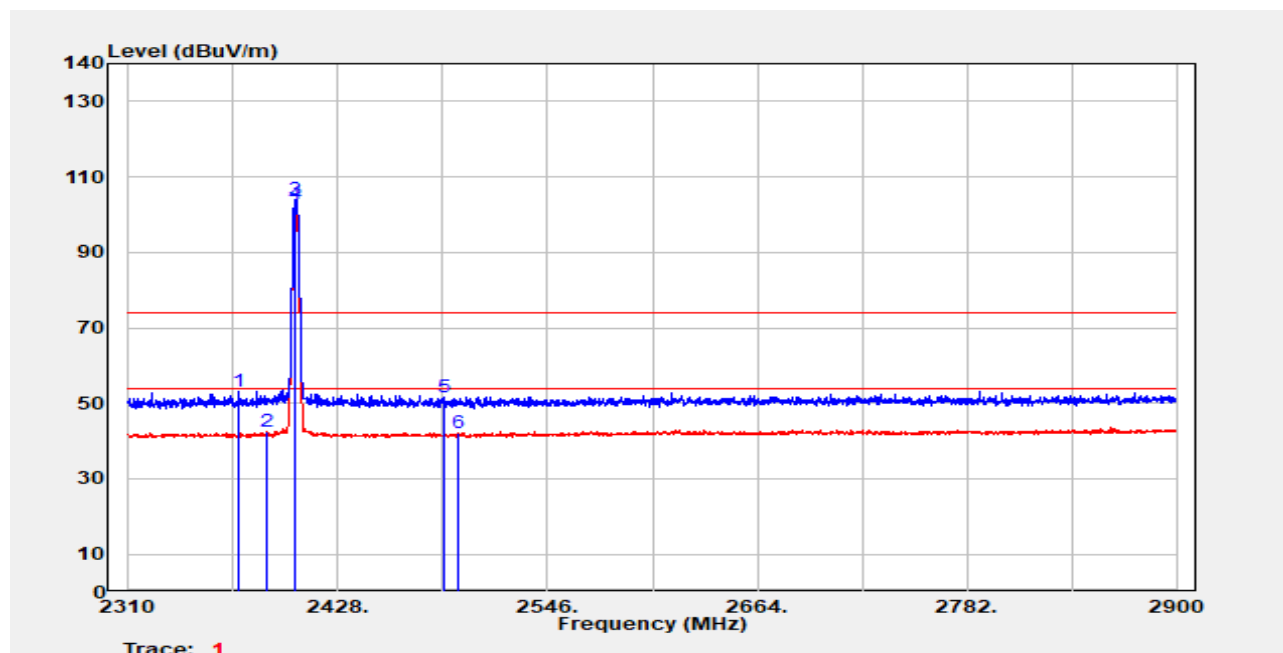
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Report Number :TERF2603000803E2
 Operation Mode :BLE 2M
 Test Frequency :2404 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-31
 Temp./Humi. :26.6°C/63%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2372.36	Peak	54.97	-1.90	53.07	74.00	-20.93
2388.30	Average	44.34	-1.87	42.47	54.00	-11.53
2404.04	Peak	106.04	-1.99	104.05	-	-
2404.04	Average	104.87	-1.99	102.88	-	-
2487.65	Peak	53.67	-1.99	51.68	74.00	-22.32
2495.72	Average	44.34	-2.05	42.29	54.00	-11.71

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SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

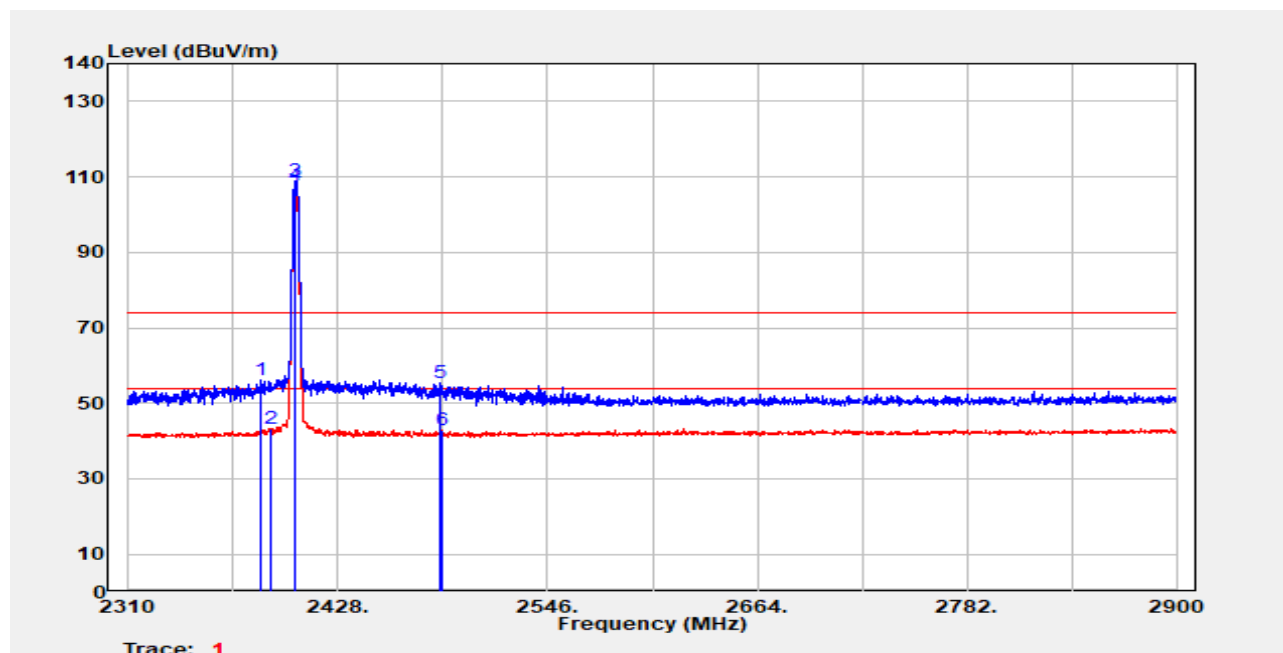
f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Report Number :TERF2603000803E2
 Operation Mode :BLE 2M
 Test Frequency :2404 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-31
 Temp./Humi. :26.6°C/63%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



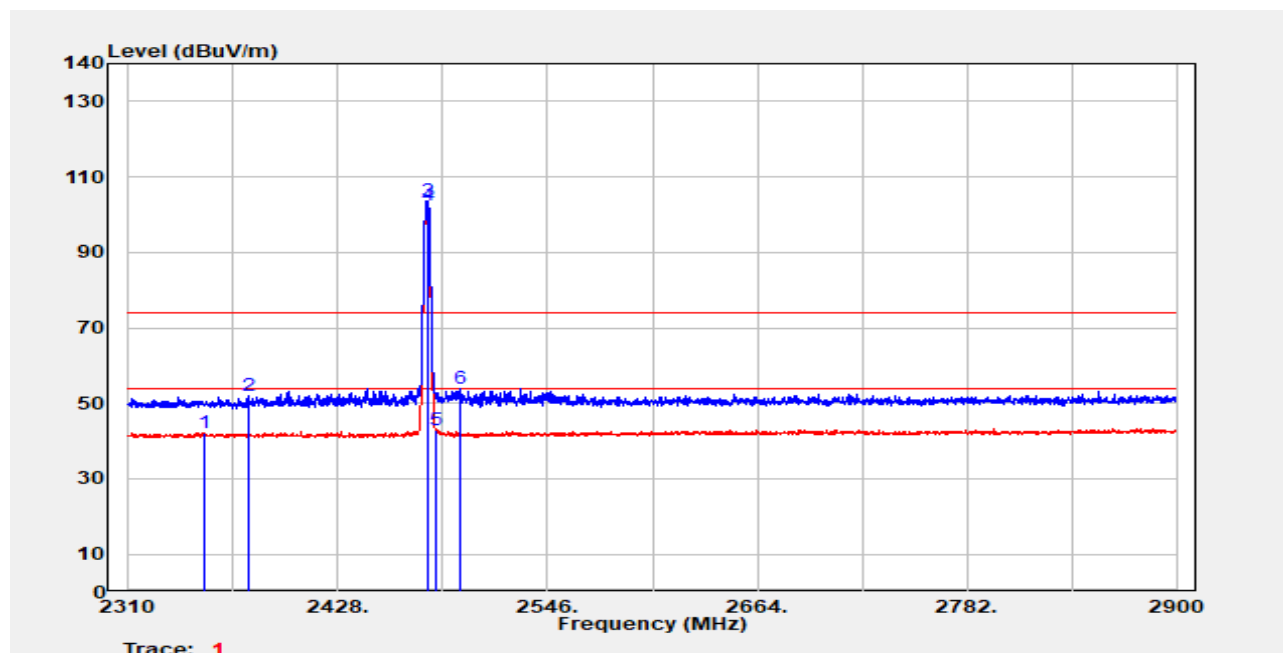
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2384.96	Peak	57.84	-1.88	55.96	74.00	-18.04
2389.87	Average	45.16	-1.86	43.30	54.00	-10.70
2403.65	Peak	110.99	-1.99	109.00	-	-
2403.65	Average	109.73	-1.99	107.74	-	-
2485.88	Peak	57.31	-1.98	55.33	74.00	-18.67
2486.47	Average	44.72	-1.98	42.74	54.00	-11.26

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Report Number :TERF2603000803E2
 Operation Mode :BLE 2M
 Test Frequency :2478 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-31
 Temp./Humi. :26.6°C/63%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



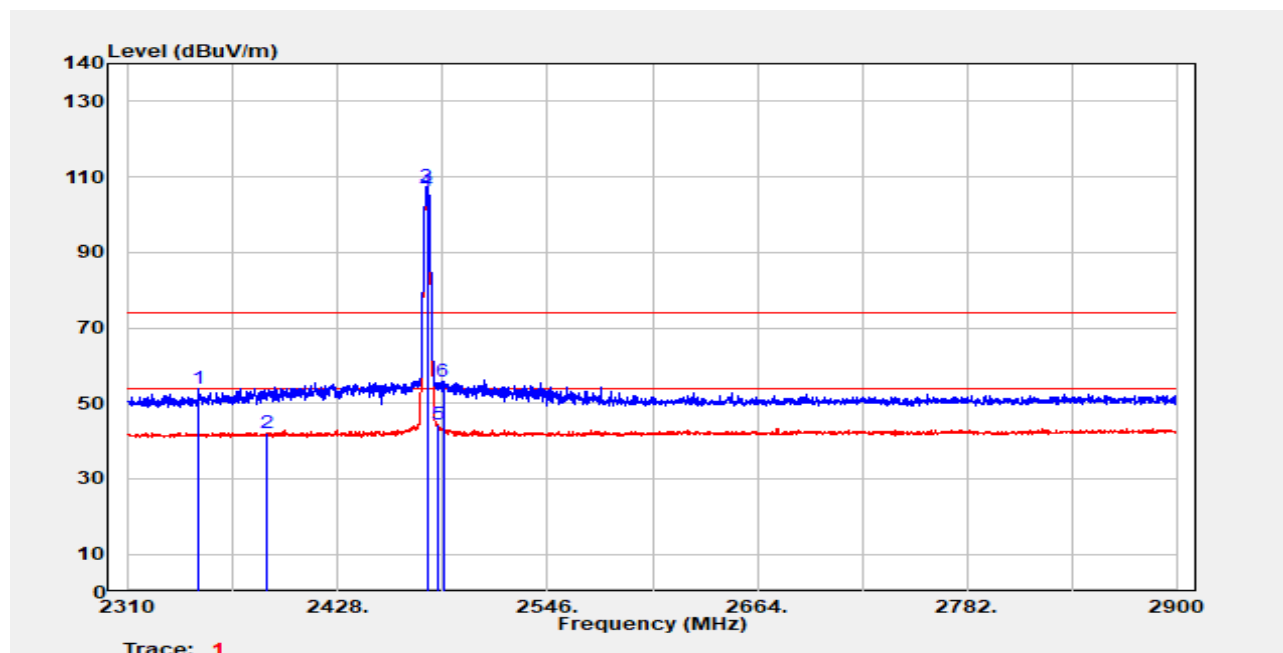
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
2352.49	Average	44.10	-1.83	42.27	54.00	-11.73
2377.48	Peak	54.03	-1.89	52.14	74.00	-21.86
2478.21	Peak	105.53	-1.98	103.55	-	-
2478.21	Average	104.39	-1.98	102.41	-	-
2483.50	Average	45.05	-1.99	43.06	54.00	-10.94
2496.31	Peak	56.01	-2.05	53.96	74.00	-20.04

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Report Number :TERF2603000803E2
 Operation Mode :BLE 2M
 Test Frequency :2478 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-31
 Temp./Humi. :26.6°C/63%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
2349.54	Peak	55.65	-1.84	53.81	74.00	-20.19
2388.30	Average	44.16	-1.87	42.29	54.00	-11.71
2478.01	Peak	109.23	-1.99	107.24	-	-
2478.01	Average	108.07	-1.99	106.08	-	-
2484.11	Average	46.55	-1.99	44.56	54.00	-9.44
2487.06	Peak	57.70	-1.98	55.72	74.00	-18.28

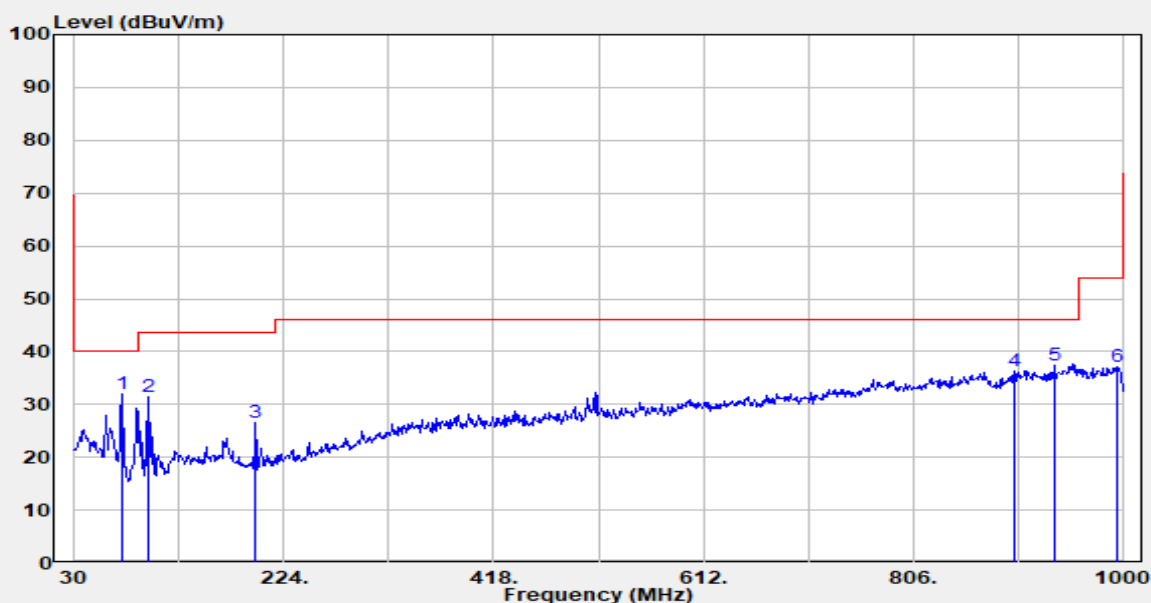
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7.3.2 Spurious Emission

Report Number :TERF2603000803E2
 Operation Mode :BLE 1M
 Test Frequency :2440 MHz
 Test Mode :Tx
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-27
 Temp./Humi. :23.1°C/51%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



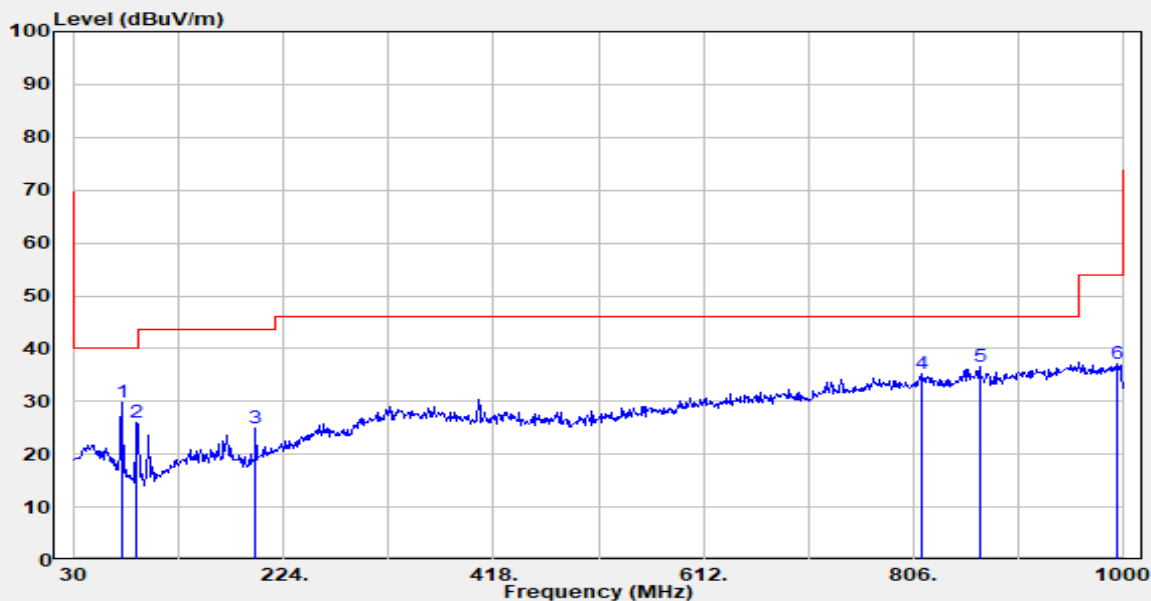
Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
73.65	Peak	47.38	-15.46	31.92	40.00	-8.08
98.87	Peak	48.80	-17.28	31.52	43.50	-11.98
197.81	Peak	41.50	-15.03	26.47	43.50	-17.03
900.09	Peak	35.16	1.15	36.31	46.00	-9.69
936.95	Peak	35.38	1.97	37.35	46.00	-8.65
995.15	Peak	34.88	2.38	37.26	54.00	-16.74

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Report Number :TERF2603000803E2
 Operation Mode :BLE 1M
 Test Frequency :2440 MHz
 Test Mode :Tx
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-27
 Temp./Humi. :23.1°C/51%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
73.65	Peak	45.24	-15.46	29.78	40.00	-10.22
87.23	Peak	44.42	-18.28	26.14	40.00	-13.86
197.81	Peak	39.99	-15.03	24.96	43.50	-18.54
813.76	Peak	35.41	-0.20	35.21	46.00	-10.79
868.08	Peak	36.08	0.58	36.66	46.00	-9.34
995.15	Peak	34.74	2.38	37.12	54.00	-16.88

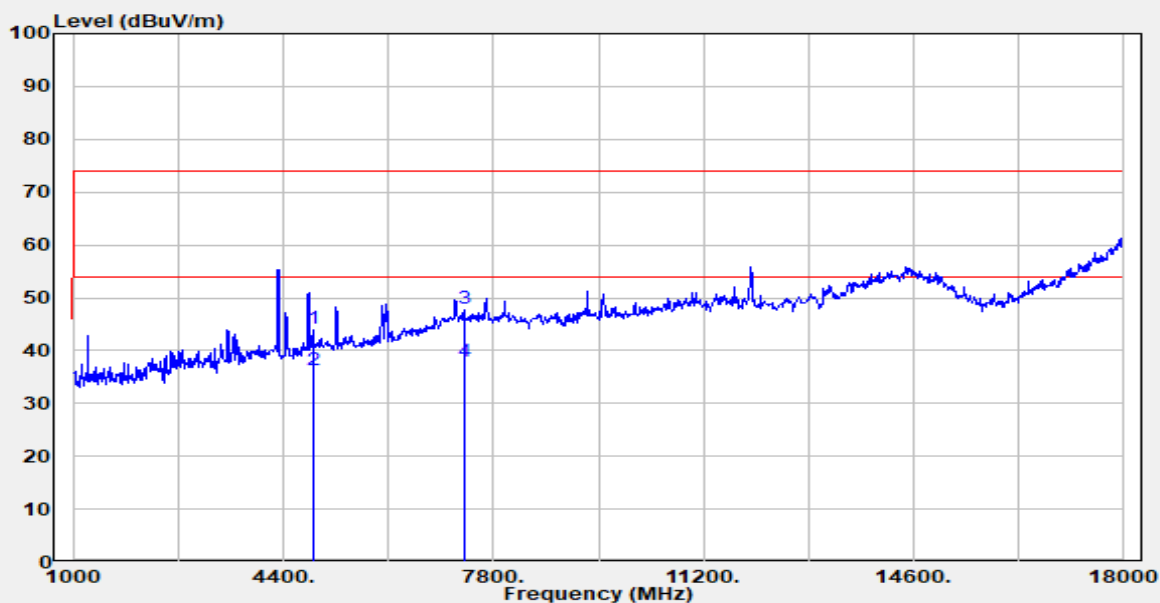
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Report Number :TERF2603000803E2
 Operation Mode :BLE 1M
 Test Frequency :2440 MHz
 Test Mode :Tx
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-27
 Temp./Humi. :23.1°C/51%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



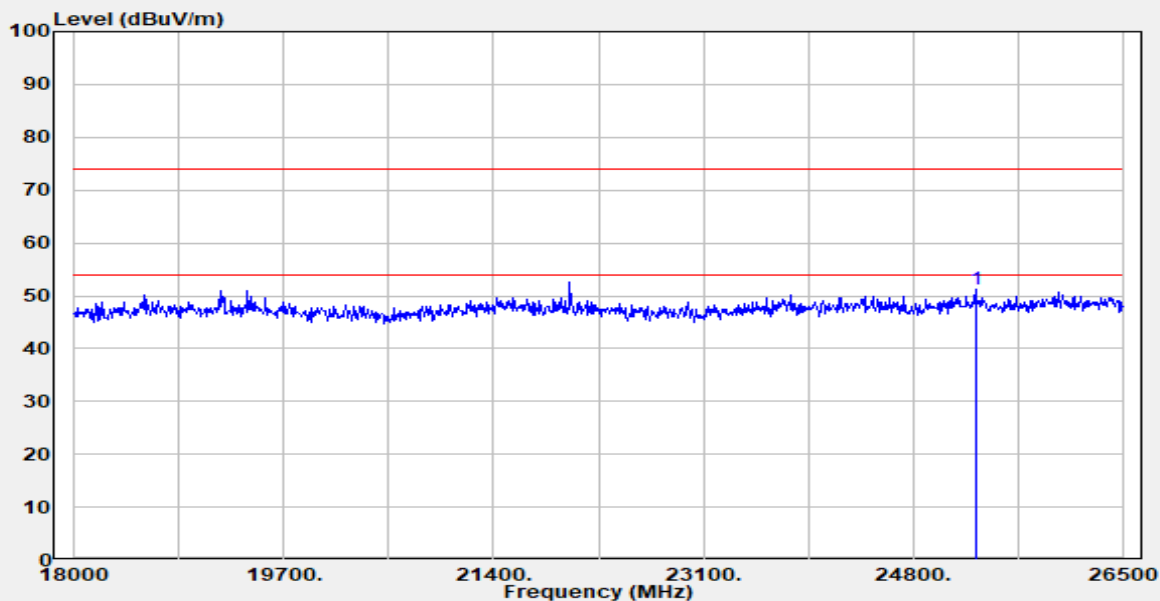
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4880.00	Peak	42.58	1.55	44.13	74.00	-29.87
4880.00	Average	34.86	1.55	36.41	54.00	-17.59
7320.00	Peak	40.55	7.50	48.05	74.00	-25.95
7320.00	Average	30.51	7.50	38.01	54.00	-15.99

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Report Number :TERF2603000803E2
Operation Mode :BLE 1M
Test Frequency :2440 MHz
Test Mode :Tx
EUT Pol :NB Mode

Test Site :SAC D
Test Date :2026-03-27
Temp./Humi. :23.1°C/51%
Antenna Pol. :Vertical
Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
25310.00	Peak	43.39	7.90	51.29	74.00	-22.71

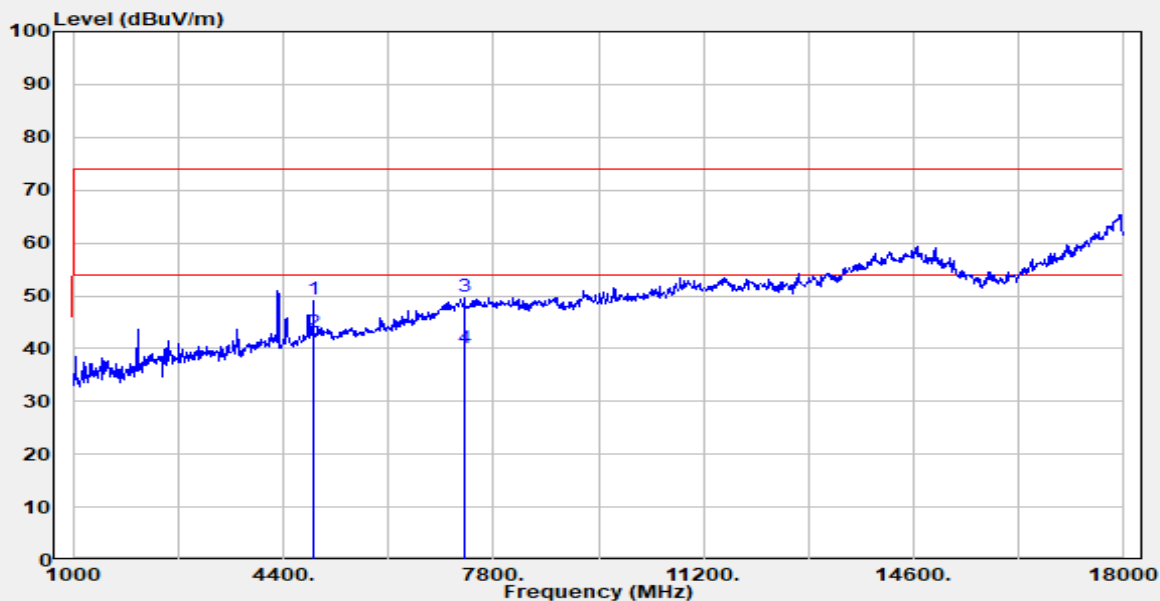
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Report Number :TERF2603000803E2
Operation Mode :BLE 1M
Test Frequency :2440 MHz
Test Mode :Tx
EUT Pol :NB Mode

Test Site :SAC D
Test Date :2026-03-27
Temp./Humi. :23.1°C/51%
Antenna Pol. :Horizontal
Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4880.00	Peak	46.14	3.29	49.43	74.00	-24.57
4880.00	Average	39.79	3.29	43.08	54.00	-10.92
7320.00	Peak	40.35	9.61	49.96	74.00	-24.04
7320.00	Average	30.55	9.61	40.16	54.00	-13.84

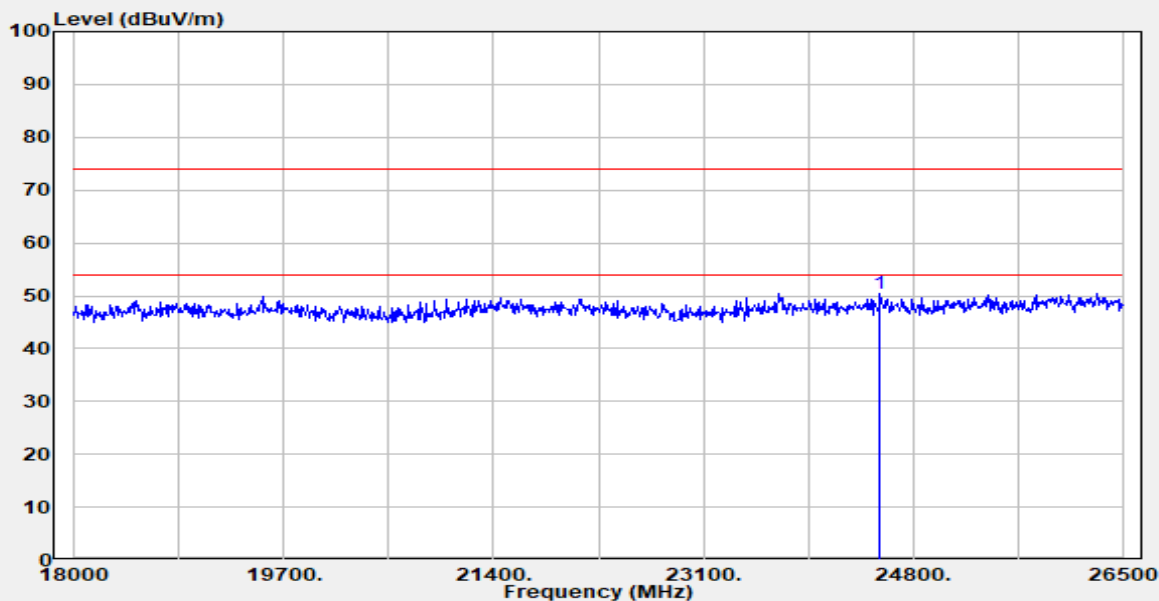
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Report Number :TERF2603000803E2
 Operation Mode :BLE 1M
 Test Frequency :2440 MHz
 Test Mode :Tx
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-27
 Temp./Humi. :23.1°C/51%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
24536.50	Peak	42.48	7.98	50.46	74.00	-23.54

~ End of Report ~

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