

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: TERF2603000799E2

FCC ID TX2-RTL8852CE

Date of EUT Received: N/A, the test results are fully leveraged from test report num-
ber TERF2603000804E2, 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 TERF2603000804E2, 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.

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

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2603000799E2	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

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1.2 RF Specification

WLAN 2.4GHz

Mode	Frequency Range	Channels	Rated Power (dBm)		Modulation Technology
			Peak	Avg.	
802.11b	2412~2462	11	21.26	18.93	DSSS
802.11g	2412~2462	11	27.32	18.88	OFDM
802.11n_HT20	2412~2462	11	27.47	18.92	OFDM
802.11n_HT40	2422~2452	7	28.11	18.86	OFDM
802.11ac_VHT20	2412~2462	11	27.42	18.85	OFDM
802.11ac_VHT40	2422~2452	7	28.06	18.80	OFDM
802.11ax_HE20_SU	2412~2462	11	27.47	18.88	OFDM
802.11ax_HE40_SU	2422~2452	7	27.56	18.96	OFDM
802.11ax_HE20_RU	2412~2462	11	27.43	18.83	OFDMA
802.11ax_HE40_RU	2422~2452	7	27.50	18.91	OFDMA
Modulation type:		CCK,DQPSK, DBPSK for DSSS in 802.11b			
		64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11g,11n			
		256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11ac			
		1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA in 802.11ax			
Data Rate:		802.11b: 1/2/5.5/11 Mbps			
		802.11g: 6/9/12/18/24/36/48/54 Mbps			
		802.11n_HT20:up to 144.4Mbps			
		802.11n_HT40:up to 300Mbps			
		802.11ac_VHT20:up to 173.4Mbps			
		802.11ac_VHT40:up to 400Mbps			
		802.11ax_HE20:up to 286.8Mbps			
		802.11ax_HE40:up to 573.6Mbps			

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1.3 Antenna Designation

Ant. Type	Brand	Model No.	Freq. (MHz)	Peak Gain(dBi)
PIFA	High-tek	DC330035O00 (0ACMYL25464N)	2400~2483.5	2.54
		DC330035O10 (0ACMYL25465N)	2400~2483.5	2.75
	INPAQ	DC330035N00 (WA-P-LE-02-485)	2400~2483.5	2.41
		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.
4. The directional gain is calculated according to section F. 2). e). (ii) of FCC KDB 662911 D01.

1.4 Operating Frequencies

2400~2483.5 MHz			
20MHz		40MHz	
CH	Freq. (MHz)	CH	Freq. (MHz)
1	2412	3	2422
2	2417	4	2427
3	2422	5	2432
4	2427	6	2437
5	2432	7	2442
6	2437	8	2447
7	2442	9	2452
8	2447		
9	2452		
10	2457		
11	2462		

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1.5 EUT Availability and The Worst Test Modes

1. The EUT has been tested under operating condition.
2. Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.
3. The field strength of radiated 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.
4. Investigation has been done on all the possible configurations for searching the worst case.

Mode		Transmission Chain							Single Transmission Spatial	Multi Transmission Spatial	
V	802.11 b	V	Ch0	V	Ch1		Ch2		Ch3	1TX	V 2TX
V	802.11 g	V	Ch0	V	Ch1		Ch2		Ch3	1TX	V 2TX
V	802.11 n	V	Ch0	V	Ch1		Ch2		Ch3	1TX	V 2TX
V	802.11 ac	V	Ch0	V	Ch1		Ch2		Ch3	1TX	V 2TX
V	802.11 ax	V	Ch0	V	Ch1		Ch2		Ch3	1TX	V 2TX
	802.11 be		Ch0		Ch1		Ch2		Ch3	1TX	2TX

5. Therefore, below summary is the modes of test configuration that yield the highest reading and generate the highest emission chosen to carry out the relevantly mandatory test items.

CONDUCTED TEST					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11b	1 to 11	1,6,11	DSSS	1	2TX
802.11g	1 to 11	1,6,11	OFDM	6	2TX
802.11n_HT20	1 to 11	1,6,11	OFDM	MCS0	2TX
802.11n_HT40	3 to 9	3,6,9	OFDM	MCS0	2TX
802.11ac_VHT20	1 to 11	1,6,11	OFDM	MCS0	2TX
802.11ac_VHT40	3 to 9	3,6,9	OFDM	MCS0	2TX
802.11ax_HE20	1 to 11	1,6,11	OFDMA	MCS0	2TX
802.11ax_HE40	3 to 9	3,6,9	OFDMA	MCS0	2TX

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CONDUCTED TEST						
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	RU CONFIGURATION	DATA RATE (Mbps)	ANTENNA PORT
802.11ax_HE20	1 to 11	1,6,11	OFDMA	FULL RU 26/0,26/8 52/37,52/40 106/53,106/54	MCS0	2TX
802.11ax_HE40	3 to 9	3,6,9	OFDMA	FULL RU 242/61,242/62	MCS0	2TX

TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz)					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11b	1 to 11	6	DSSS	1	2TX

TRANSMIT RADIATED EMISSION TEST (ABOVE 1 GHz)					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11b	1 to 11	1,6,11	DSSS	1	2TX
802.11g	1 to 11	1,11	OFDM	6	2TX
802.11n20	1 to 11	1,11	OFDM	MCS0	2TX
802.11n40	3 to 9	3,9	OFDM	MCS0	2TX
802.11ax20	1 to 11	1,11	OFDMA	MCS0	2TX
802.11ax40	3 to 9	3,9	OFDMA	MCS0	2TX

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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	
§15.203	Antenna Requirement	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 TERF2603000804E2.

2.1 Test Methodology of Applied Standards

1. ANSI C63.10:2020
2. FCC Part 15, Subpart C §15.247
3. FCC KDB 558074 D01 15.247 Meas Guidance v05r02
4. FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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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°C / 58%	2026/03/19 ~ 2026/03/19

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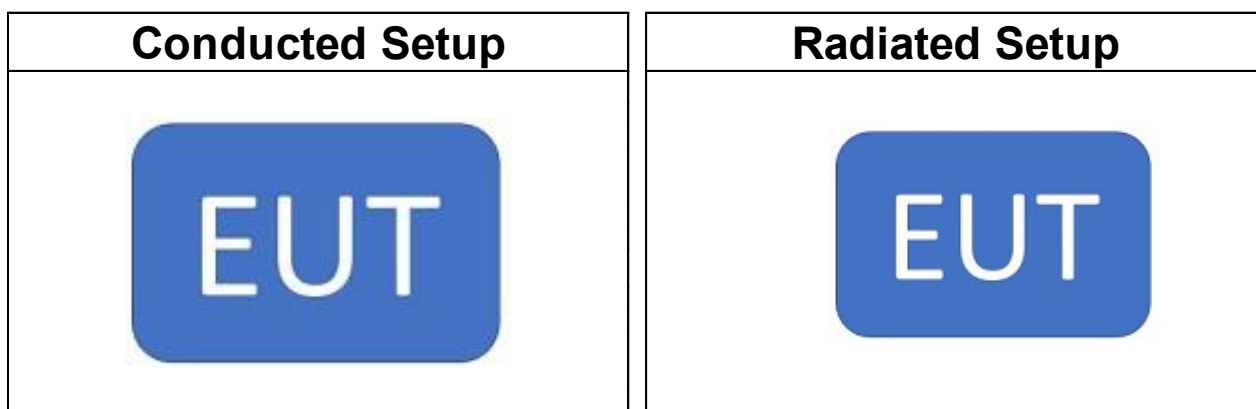
3 CONTROL UNIT(S) AND PERIPHERAL(S)

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.

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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. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

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.

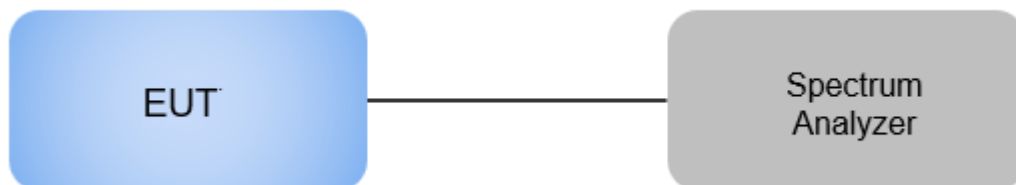
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6 TEST CONFIGURATION

6.1 Maximum Output Power

6.1.1 Duty Cycle



Place the EUT on the table and set it in transmitting mode.

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.

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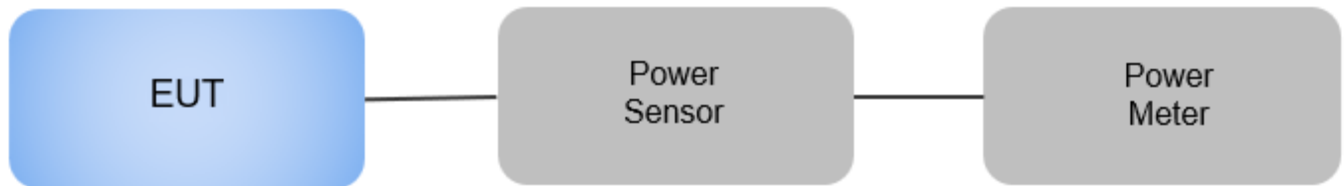
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6.1.2 Maximum Output Power



1. The testing is performed in accordance with the applicable output power measurement procedure.
2. Place the EUT on the table and set it to transmit mode.
3. Remove the antenna from the EUT and connect a low-loss RF cable from the antenna port to the power meter.
4. The power meter is used as auxiliary test equipment to conduct the output power measurement. Record the maximum reading as observed from the spectrum analyzer or power meter.

When testing for multiple output ports in simultaneous transmission mode, the measured values of each individual output port are tested separately and then linearly summed.

The directional gain is calculated using the formula

$$DirectionalGain = 10 \times \log_{10} \left(\frac{(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_n/20})^2}{N_{ant}} \right)$$

Note: The duty cycle factor is compensated to obtain the maximum value of measurement in average.

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

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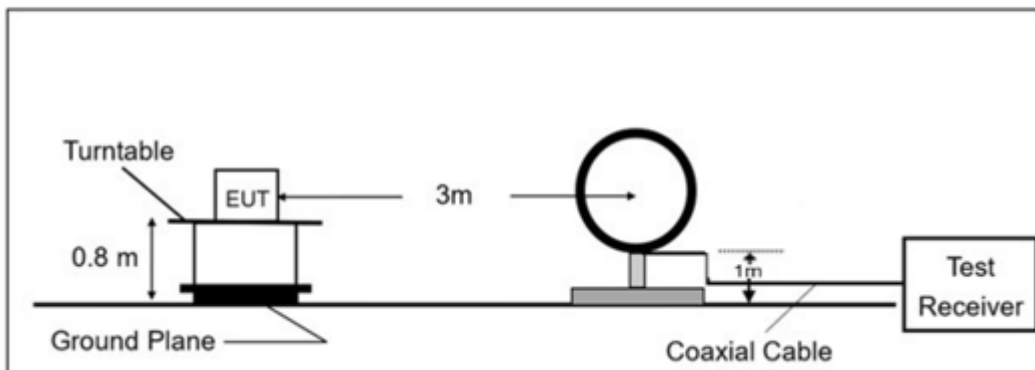
6.2 Unwanted Emissions

For Measurements From 9 kHz To 30 MHz

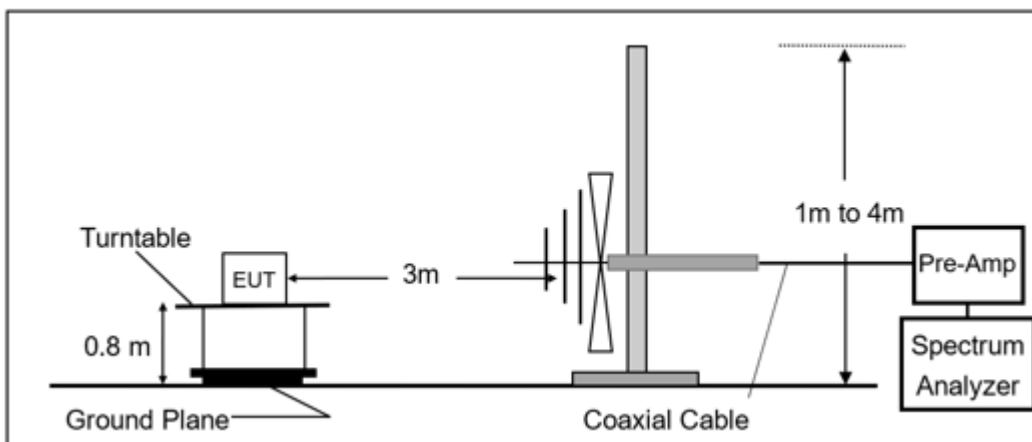
Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

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.



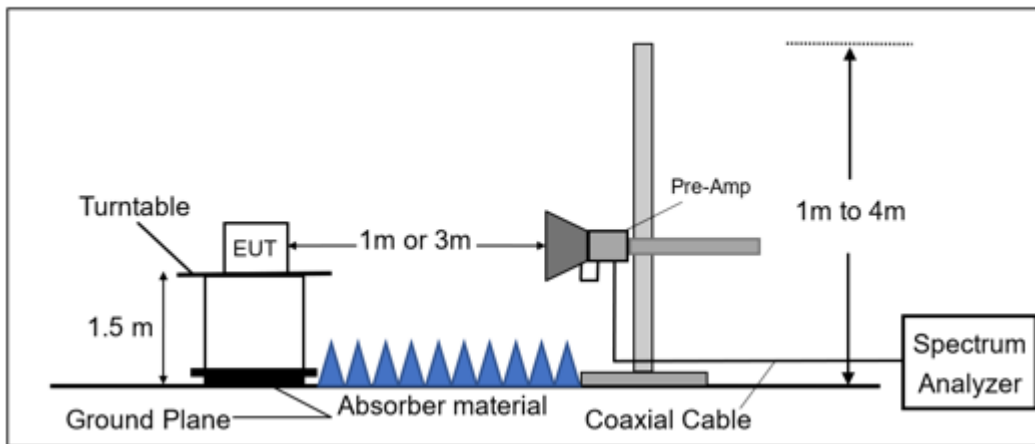
Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



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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. For measurements below 30MHz, set the spectrum analyzer as
 - ☒ For Peak measurement
 - RBW=10 kHz
 - VBW=30 kHz
 - Detector = peak
 - Trace mode = max-hold
 - ☒ For Quasi-peak measurement in receiver mode
 - RBW=10 kHz
 - Detector = Quasi-Peak
 - Peak detection is used unless otherwise noted as quasi-peak.
6. For measurements in 30MHz to 1GHz, set the spectrum analyzer as
 - ☒ For Peak measurement
 - RBW=100 kHz
 - VBW=300 kHz
 - Detector = peak
 - Trace mode = max-hold
 - ☒ For Quasi-peak measurement in receiver mode
 - RBW=120 kHz
 - Detector = Quasi-Peak
 - Peak detection is used unless otherwise noted as quasi-peak.
7. For measurements above 1GHz, set the spectrum analyzer as
 - ☒ For Peak measurement:
 - RBW=1 MHz
 - VBW=3 MHz

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Detector = peak

Trace mode = max-hold

☒ For Average measurement:

☒ Duty cycle $\geq 98\%$:

RBW=1 MHz

VBW=3 MHz

Detector = Power averaging (rms)

trace average was performed over at least 100 traces

☒ Duty cycle $< 98\%$

RBW=1 MHz

VBW $\geq 1/T$

Detector = peak

Trace mode = max-hold

☐ Duty cycle $< 98\%$

RBW=1 MHz

VBW ≥ 3 MHz

Detector = Power averaging (rms)

trace average was performed over at least 100 traces

add Duty cycle factor(dB)

☐ Duty cycle factor (DCF)

the average value of pulsed emissions with duty cycle correction factor 20 log (Ton/100ms) from the peak measurement

8. 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.
9. The six highest emissions were fully maximized using the above procedures to ensure EUT compliance.
10. Each emission was further maximized by changing the receiving antenna polarization between horizontal and vertical.
11. 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.

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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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7 TEST RESULTS

7.1 Duty Cycle

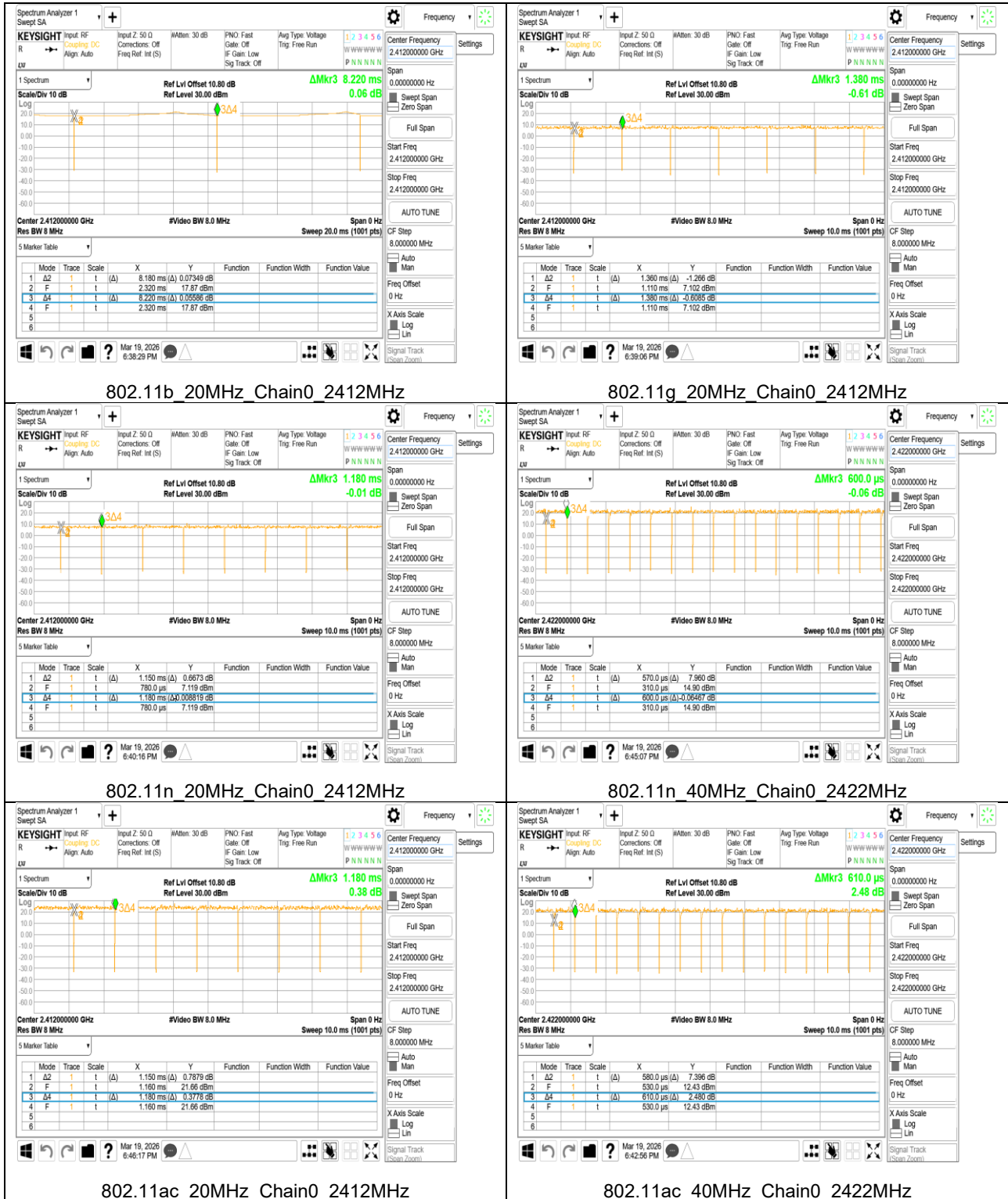
Mode		Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11b		99.51	0.02	0.12	0.01
802.11g		98.55	0.06	0.74	0.01
802.11n_20		97.46	0.11	0.87	1.00
802.11n_40		95.00	0.22	1.75	2.00
802.11ac_20		97.46	0.11	0.87	1.00
802.11ac_40		95.08	0.22	1.72	2.00
802.11ax_20_SU		97.06	0.13	1.01	2.00
802.11ax_40_SU		94.55	0.24	1.92	2.00
Mode	RU Config	Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11ax_20_RU	242	97.06	0.13	1.01	2.00
	26 RU	99.39	0.03	0.21	0.01
	52 RU	98.80	0.05	0.40	0.01
	106 RU	97.56	0.11	0.83	1.00
802.11ax_40_RU	484	94.55	0.24	1.92	2.00
	242 RU	94.92	0.23	1.79	2.00

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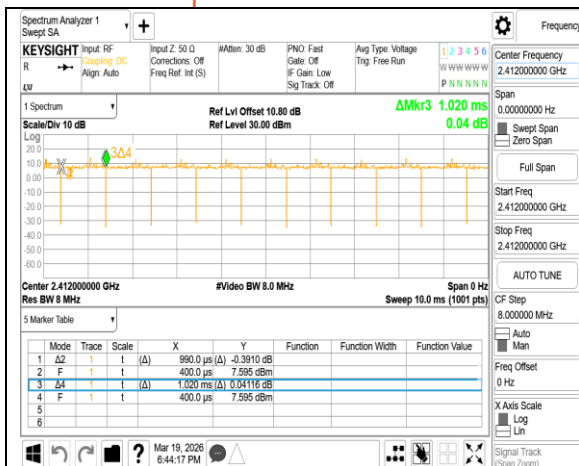
7.1.1 Duty Cycle test plots



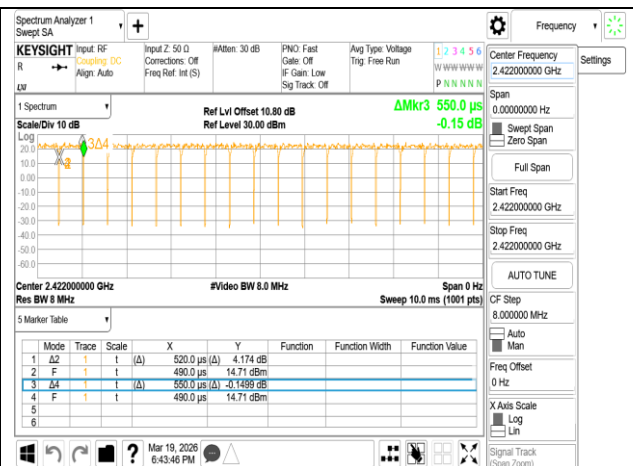
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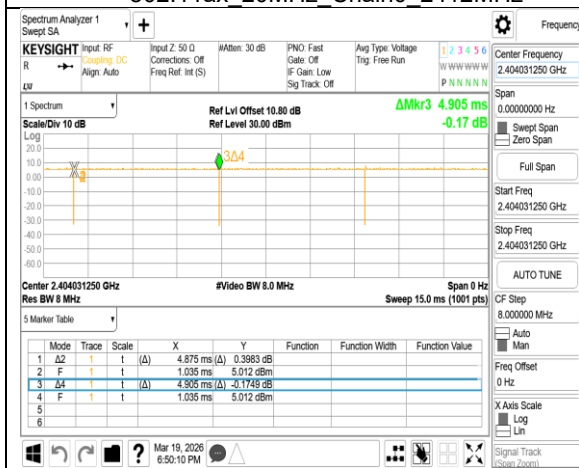
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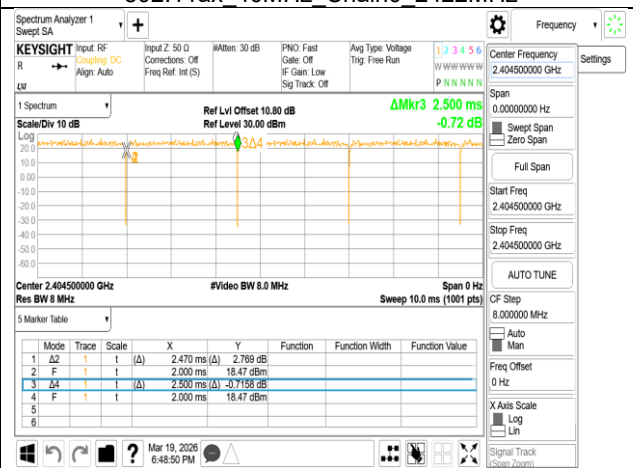
802.11ax_20MHz_Chain0_2412MHz



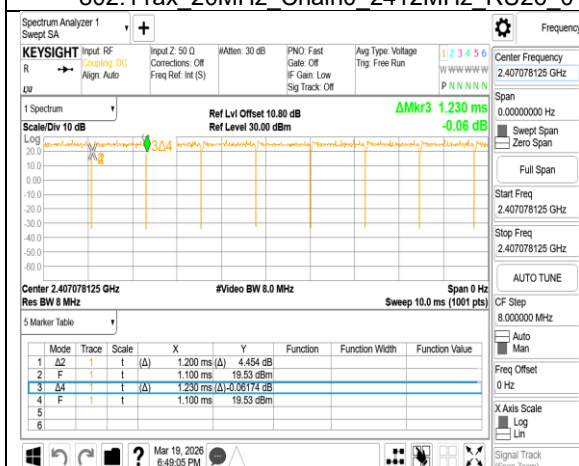
802.11ax_40MHz_Chain0_2422MHz



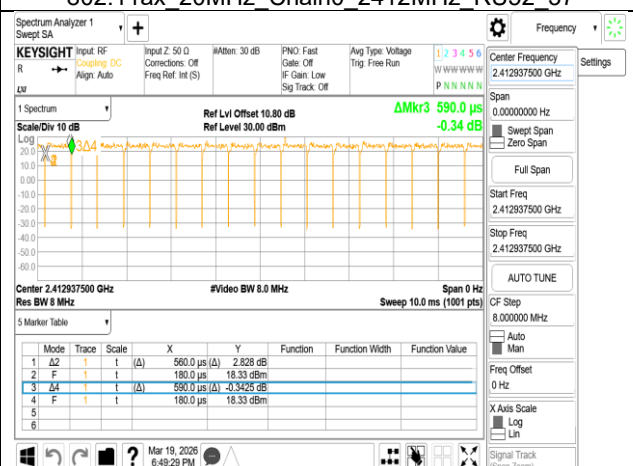
802.11ax_20MHz_Chain0_2412MHz_RU26_0



802.11ax_20MHz_Chain0_2412MHz_RU52_37



802.11ax_20MHz_Chain0_2412MHz_RU106_53



802.11ax_40MHz_Chain0_2422MHz_RU242_61

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7.2 Maximum Output Power

802.11b_2TX									
CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	1	13.25	18.33	17.97	130.74	21.16	30.00	PASS
6	2437	1	13.25	18.55	17.92	133.56	21.26	30.00	PASS
11	2462	1	13.25	18.26	18.06	130.96	21.17	30.00	PASS

802.11b_2TX									
CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	1	13.25	16.10	15.60	77.07	18.87	30.00	PASS
6	2437	1	13.25	16.25	15.56	78.17	18.93	30.00	PASS
11	2462	1	13.25	15.97	15.71	76.80	18.85	30.00	PASS

802.11g_2TX									
CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	6	14.25	24.89	23.64	539.53	27.32	30.00	PASS
6	2437	6	14.75	24.72	23.65	528.22	27.23	30.00	PASS
11	2462	6	14	24.29	24.27	535.84	27.29	30.00	PASS

802.11g_2TX									
CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	6	14.25	15.96	15.77	77.26	18.88	30.00	PASS
6	2437	6	14.75	15.79	15.58	74.13	18.70	30.00	PASS
11	2462	6	14	16.22	15.36	76.30	18.82	30.00	PASS

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802.11n_HT20_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	MCS0	14.5	24.87	23.83	548.45	27.39	30.00	PASS
6	2437	MCS0	15	24.94	23.92	558.49	27.47	30.00	PASS
11	2462	MCS0	14	24.48	24.34	552.19	27.42	30.00	PASS

802.11n_HT20_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	MCS0	14.5	15.82	15.64	74.87	18.74	30.00	PASS
6	2437	MCS0	15	15.91	15.73	76.44	18.83	30.00	PASS
11	2462	MCS0	14	16.36	15.41	78.04	18.92	30.00	PASS

802.11n_HT40M_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
3	2422	MCS0	14.5	25.73	24.36	647.01	28.11	30.00	PASS
6	2437	MCS0	15	25.77	24.19	639.99	28.06	30.00	PASS
9	2452	MCS0	14	25.39	24.54	630.39	28.00	30.00	PASS

802.11n_HT40M_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
3	2422	MCS0	14.5	15.90	15.72	76.28	18.82	30.00	PASS
6	2437	MCS0	15	15.93	15.75	76.81	18.85	30.00	PASS
9	2452	MCS0	14	16.19	15.47	76.88	18.86	30.00	PASS

802.11ac_VHT20_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	MCS0	14.5	24.81	23.77	540.92	27.33	30.00	PASS
6	2437	MCS0	15	24.90	23.85	551.69	27.42	30.00	PASS
11	2462	MCS0	14	24.44	24.28	545.89	27.37	30.00	PASS

802.11ac_VHT20_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	MCS0	14.5	15.76	15.57	73.76	18.68	30.00	PASS
6	2437	MCS0	15	15.85	15.68	75.47	18.78	30.00	PASS
11	2462	MCS0	14	16.27	15.35	76.67	18.85	30.00	PASS

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802.11ac_VHT40_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
3	2422	MCS0	14.5	25.68	24.31	639.60	28.06	30.00	PASS
6	2437	MCS0	15	25.72	24.15	633.27	28.02	30.00	PASS
9	2452	MCS0	14	25.35	24.49	623.96	27.95	30.00	PASS

802.11ac_VHT40_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
3	2422	MCS0	14.5	15.84	15.66	75.17	18.76	30.00	PASS
6	2437	MCS0	15	15.87	15.69	75.69	18.79	30.00	PASS
9	2452	MCS0	14	16.14	15.42	75.93	18.80	30.00	PASS

802.11ax_HE20_SU_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	MCS0	14.75	24.97	23.88	558.39	27.47	30.00	PASS
6	2437	MCS0	15.25	24.91	23.85	552.40	27.42	30.00	PASS
11	2462	MCS0	14.25	24.45	24.38	552.77	27.43	30.00	PASS

802.11ax_HE20_SU_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
1	2412	MCS0	14.75	16.01	15.68	76.88	18.86	30.00	PASS
6	2437	MCS0	15.25	15.93	15.71	76.41	18.83	30.00	PASS
11	2462	MCS0	14.25	16.33	15.35	77.22	18.88	30.00	PASS

802.11ax_HE40_SU_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
3	2422	MCS0	14.5	25.02	23.94	565.43	27.52	30.00	PASS
6	2437	MCS0	15.25	25.16	23.83	569.64	27.56	30.00	PASS
9	2452	MCS0	14.25	24.58	24.16	547.69	27.39	30.00	PASS

802.11ax_HE40_SU_2TX

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
				Ch0	Ch1				
3	2422	MCS0	14.5	15.93	15.76	76.90	18.86	30.00	PASS
6	2437	MCS0	15.25	16.09	15.79	78.64	18.96	30.00	PASS
9	2452	MCS0	14.25	16.25	15.53	77.96	18.92	30.00	PASS

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802.11ax_HE20_RU_2TX

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
					Ch0	Ch1				
1	2412	MCS0	242	14.75	24.93	23.83	552.72	27.43	30.00	PASS
			26/0	18	24.90	23.81	549.47	27.40	30.00	PASS
			52/37	17	24.87	23.80	546.79	27.38	30.00	PASS
			106/53	15	24.69	23.96	543.33	27.35	30.00	PASS
6	2437	MCS0	242	15.25	24.87	23.80	546.79	27.38	30.00	PASS
11	2462	MCS0	242	14.25	24.40	24.33	546.44	27.38	30.00	PASS
			26/8	17.5	24.40	24.33	546.44	27.38	30.00	PASS
			52/40	16.5	24.32	24.25	536.47	27.30	30.00	PASS
			106/54	14.5	24.36	24.30	542.05	27.34	30.00	PASS

802.11ax_HE20_RU_2TX

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
					Ch0	Ch1				
1	2412	MCS0	242	14.75	15.96	15.63	76.00	18.81	30.00	PASS
			26/0	18	15.99	15.60	75.97	18.81	30.00	PASS
			52/37	17	15.89	15.56	74.83	18.74	30.00	PASS
			106/53	15	15.95	15.56	75.28	18.77	30.00	PASS
6	2437	MCS0	242	15.25	15.88	15.66	75.53	18.78	30.00	PASS
11	2462	MCS0	242	14.25	16.28	15.31	76.42	18.83	30.00	PASS
			26/8	17.5	15.95	15.69	76.36	18.83	30.00	PASS
			52/40	16.5	15.82	15.55	74.13	18.70	30.00	PASS
			106/54	14.5	15.91	15.64	75.59	18.78	30.00	PASS

802.11ax_HE40_RU_2TX

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Peak Output Power (dBm)		Total Peak Output Power (mW)	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
					Ch0	Ch1				
3	2422	MCS0	484	14.5	25.00	23.90	561.70	27.50	30.00	PASS
			242/61	14.5	24.21	23.40	482.41	26.83	30.00	PASS
6	2437	MCS0	484	15.25	15.11	13.78	56.31	17.51	30.00	PASS
9	2452	MCS0	484	14.25	24.53	24.11	541.42	27.34	30.00	PASS
			242/62	14.25	23.78	23.70	473.20	26.75	30.00	PASS

802.11ax_HE40_RU_2TX

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Avg. Output Power (dBm)		Total Avg. Output Power (mW)	Total Avg. Output Power (dBm)	Limit (dBm)	RESULT
					Ch0	Ch1				
3	2422	MCS0	484	14.5	15.87	15.72	76.02	18.81	30.00	PASS
			242/61	14.5	15.80	15.68	74.94	18.75	30.00	PASS
6	2437	MCS0	484	15.25	16.05	15.74	77.83	18.91	30.00	PASS
9	2452	MCS0	484	14.25	16.04	15.72	77.56	18.90	30.00	PASS
			242/62	14.25	16.27	15.35	76.58	18.84	30.00	PASS

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7.3 Unwanted Emissions

7.3.1 Radiated Band Edge Measurement Result

Report Number :TERF2603000804E2

Test Site :SAC D

Operation Mode :802.11b

Test Date :2026-03-19

Test Frequency :2412 MHz

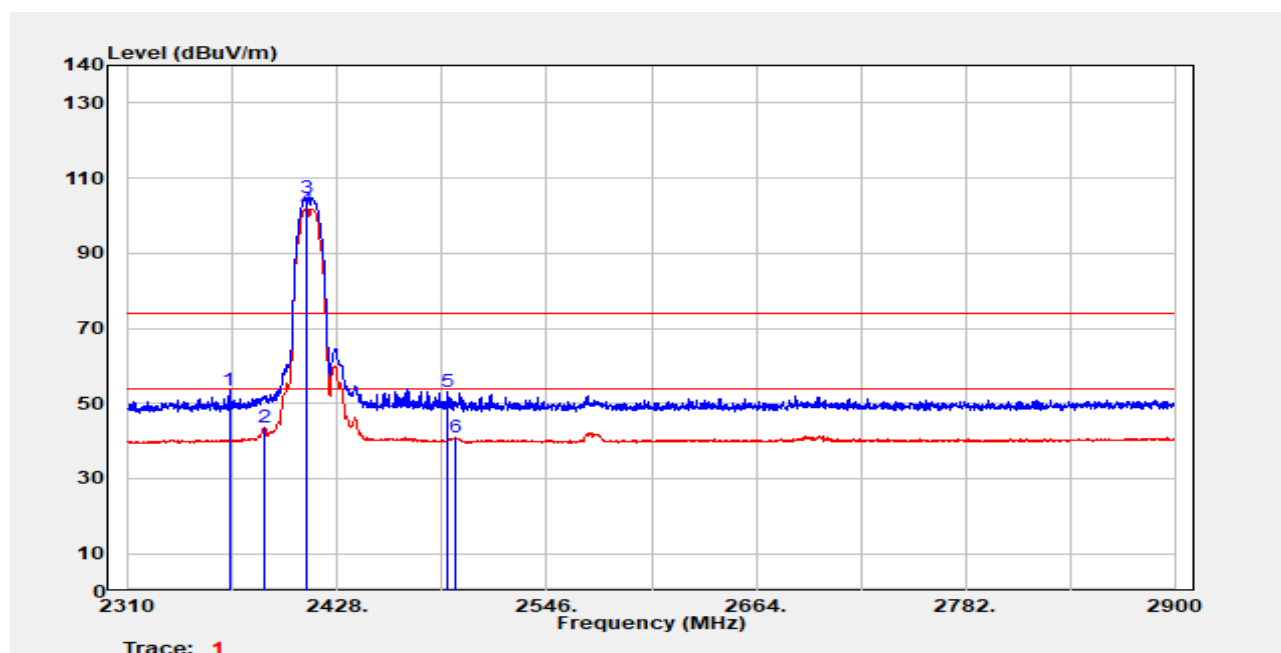
Temp./Humi. :22.6°C/56%

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	dBuV	dB	dBuV/m	dBuV/m	dB
2366.86	Peak	56.31	-2.99	53.32	74.00	-20.68
2386.73	Average	46.62	-3.00	43.62	54.00	-10.38
2410.73	Peak	107.95	-3.17	104.78	-	-
2410.73	Average	104.94	-3.17	101.77	-	-
2490.21	Peak	56.22	-3.13	53.09	74.00	-20.91
2494.14	Average	44.17	-3.18	40.99	54.00	-13.01

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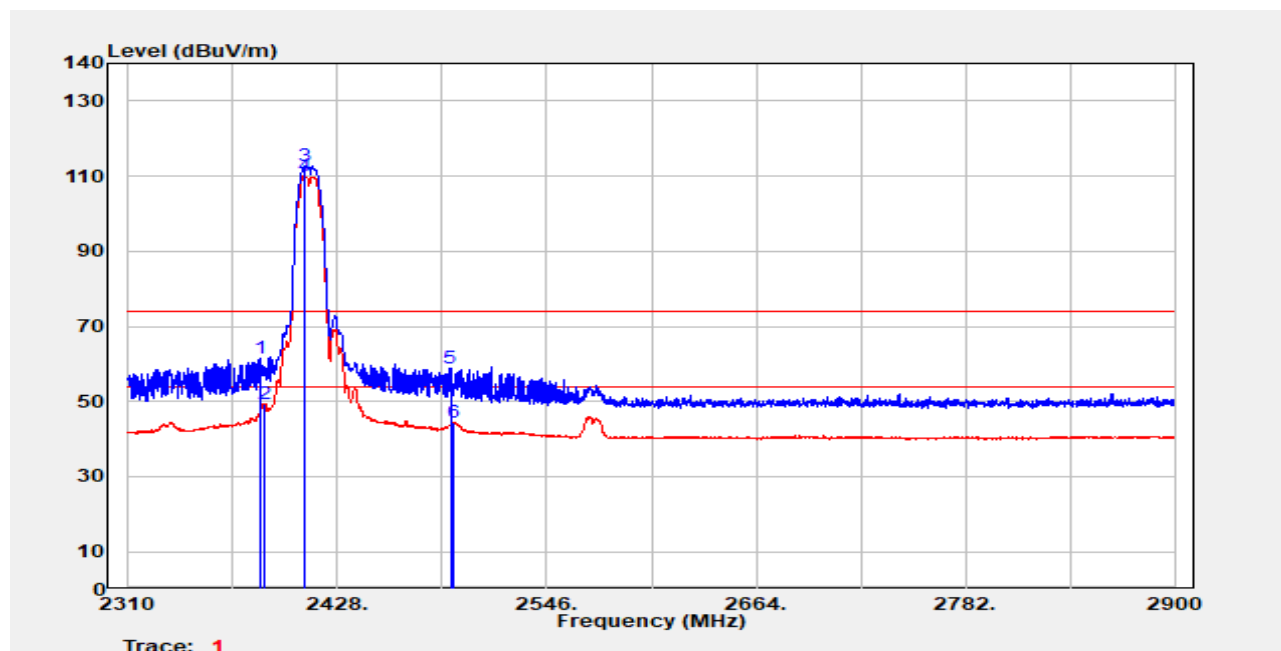
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Report Number :TERF2603000804E2
 Operation Mode :802.11b
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



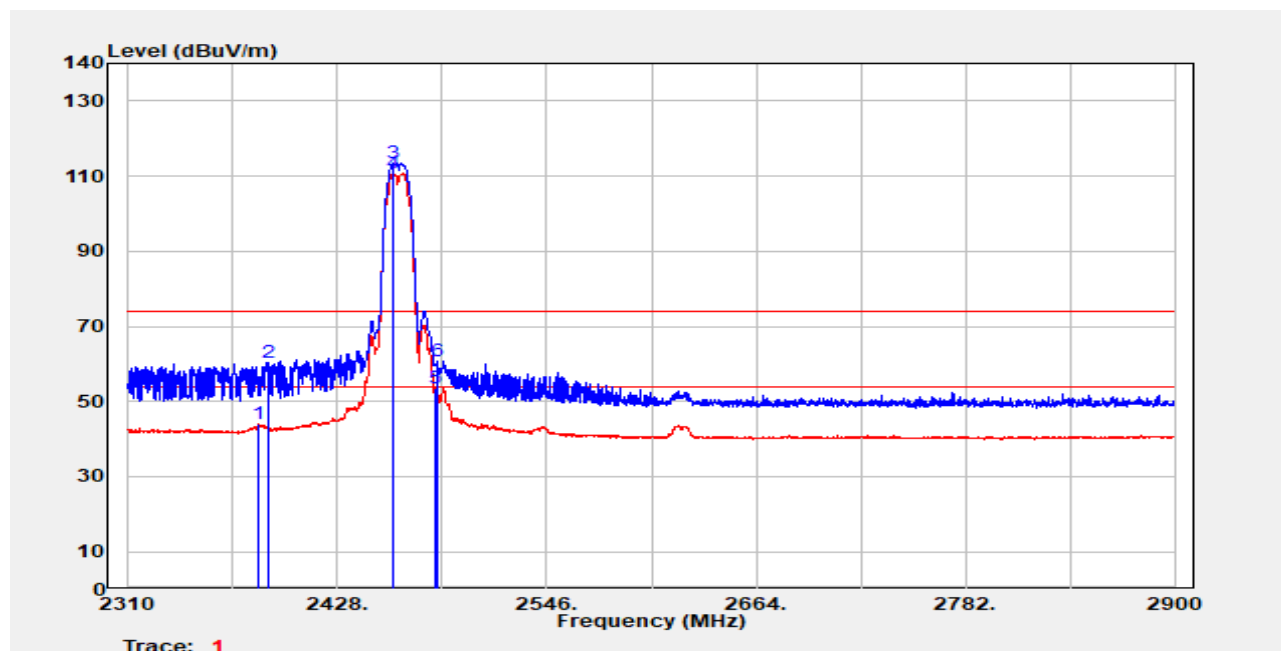
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2384.17	Peak	64.33	-3.00	61.33	74.00	-12.67
2386.33	Average	52.41	-3.00	49.41	54.00	-4.59
2409.35	Peak	115.82	-3.17	112.65	-	-
2409.35	Average	113.11	-3.17	109.94	-	-
2491.58	Peak	62.09	-3.15	58.94	74.00	-15.06
2493.75	Average	47.51	-3.18	44.33	54.00	-9.67

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Report Number :TERF2603000804E2
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 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
2383.78	Average	46.92	-3.00	43.92	54.00	-10.08
2388.69	Peak	63.32	-2.98	60.34	74.00	-13.66
2459.32	Peak	116.64	-3.21	113.43	-	-
2459.32	Average	113.87	-3.21	110.66	-	-
2483.50	Average	56.63	-3.13	53.50	54.00	-0.50
2483.72	Peak	63.79	-3.13	60.66	74.00	-13.34

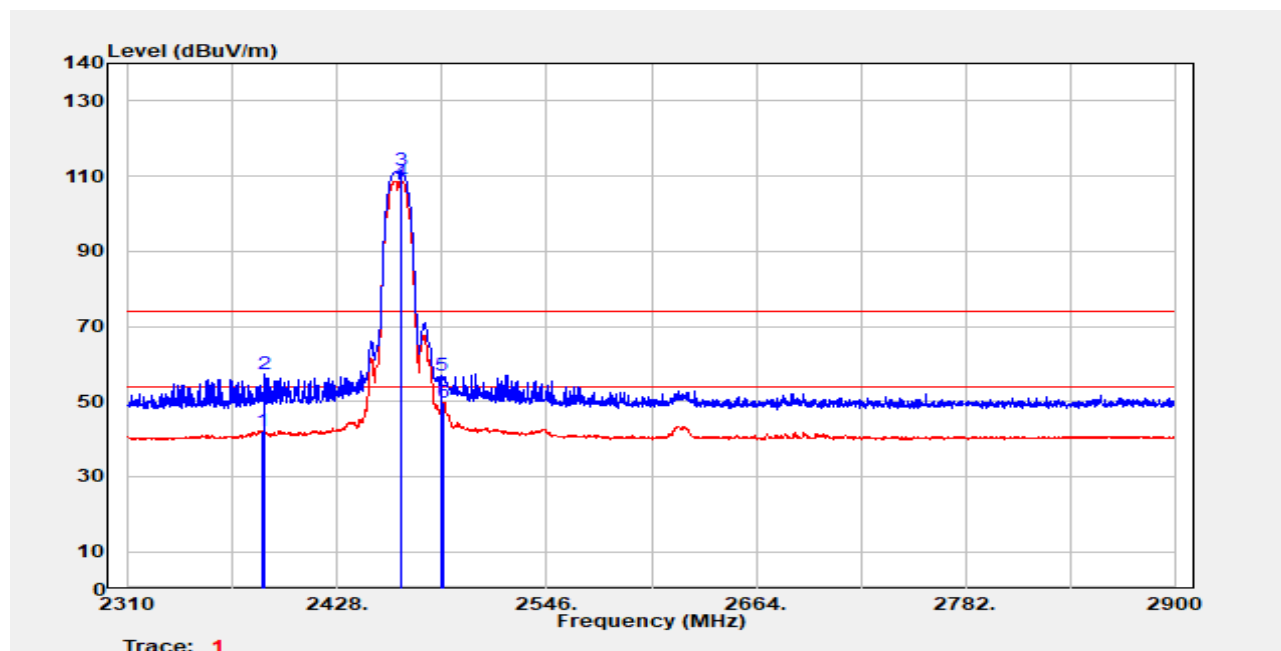
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Report Number :TERF2603000804E2
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



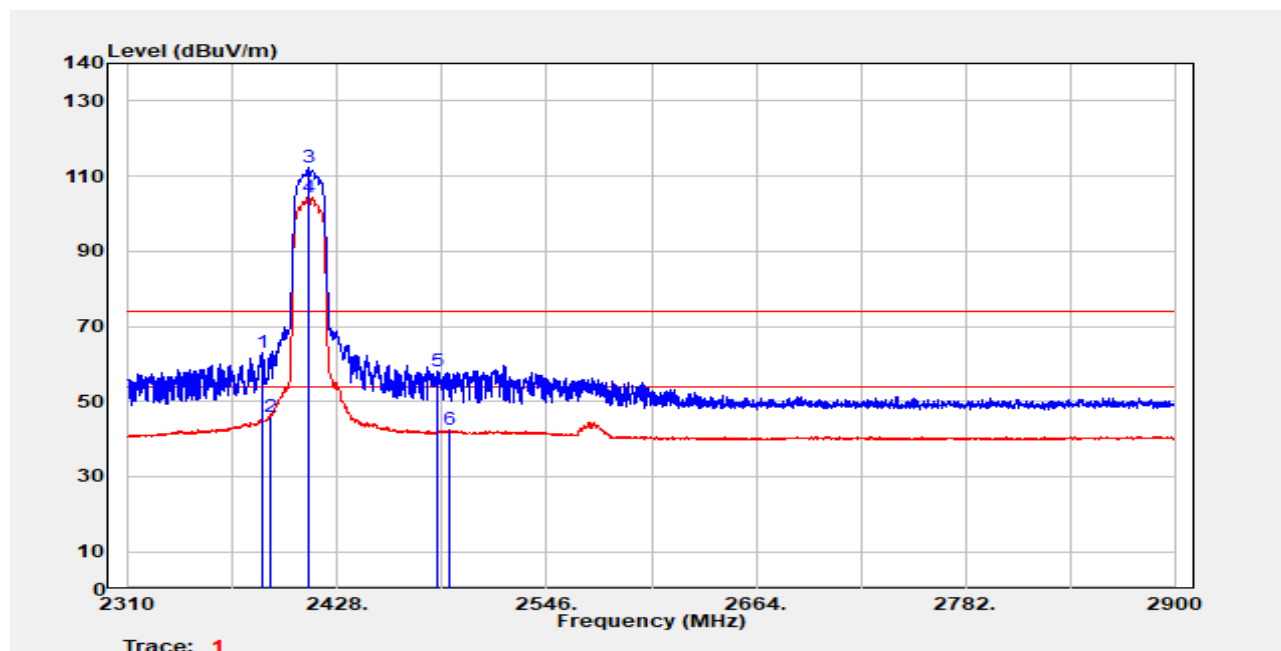
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2385.74	Average	45.06	-3.00	42.06	54.00	-11.94
2387.12	Peak	60.32	-3.00	57.32	74.00	-16.68
2463.65	Peak	114.64	-3.18	111.46	-	-
2463.65	Average	111.87	-3.18	108.69	-	-
2486.67	Peak	60.09	-3.13	56.96	74.00	-17.04
2487.85	Average	52.99	-3.14	49.85	54.00	-4.15

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Report Number :TERF2603000804E2
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



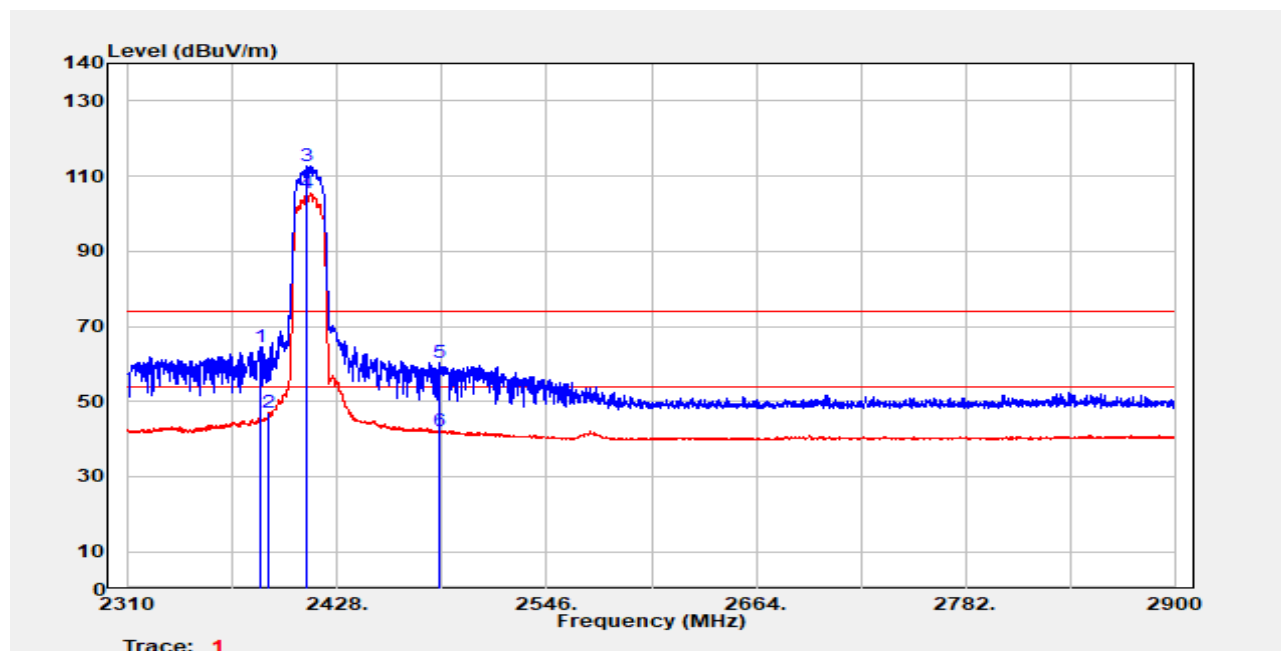
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2385.35	Peak	66.00	-3.00	63.00	74.00	-11.00
2389.68	Average	48.92	-2.98	45.94	54.00	-8.06
2411.51	Peak	115.50	-3.16	112.34	-	-
2411.51	Average	107.47	-3.16	104.31	-	-
2483.91	Peak	61.14	-3.13	58.01	74.00	-15.99
2491.39	Average	45.44	-3.14	42.30	54.00	-11.70

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Report Number :TERF2603000804E2
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



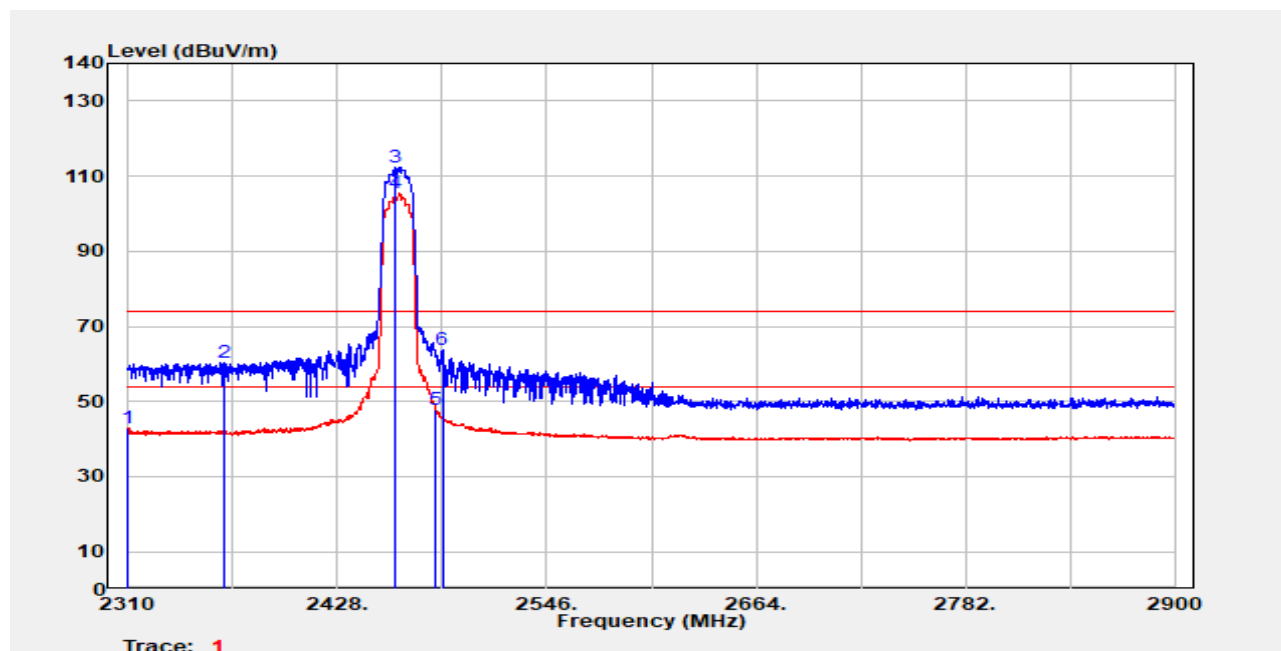
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2384.76	Peak	67.61	-3.00	64.61	74.00	-9.39
2389.28	Average	49.93	-2.98	46.95	54.00	-7.05
2410.73	Peak	115.86	-3.17	112.69	-	-
2410.73	Average	108.70	-3.17	105.53	-	-
2485.68	Peak	63.46	-3.13	60.33	74.00	-13.67
2485.88	Average	45.33	-3.13	42.20	54.00	-11.80

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Report Number :TERF2603000804E2
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 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
2310.00	Average	45.76	-2.92	42.84	54.00	-11.16
2364.10	Peak	63.46	-2.96	60.50	74.00	-13.50
2460.70	Peak	115.52	-3.20	112.32	-	-
2460.70	Average	108.52	-3.20	105.32	-	-
2483.50	Average	51.03	-3.13	47.90	54.00	-6.10
2487.06	Peak	66.88	-3.13	63.75	74.00	-10.25

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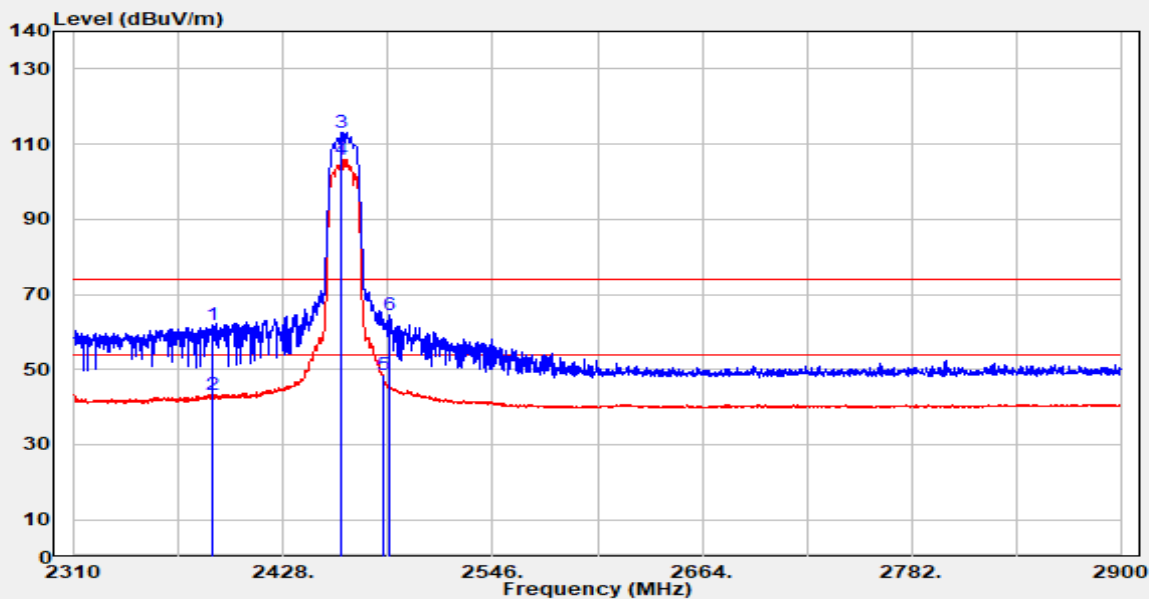
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Report Number :TERF2603000804E2
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2387.32	Peak	64.76	-3.00	61.76	74.00	-12.24
2387.51	Average	46.26	-2.98	43.28	54.00	-10.72
2460.89	Peak	116.33	-3.20	113.13	-	-
2460.89	Average	108.97	-3.20	105.77	-	-
2483.72	Average	51.87	-3.13	48.74	54.00	-5.26
2487.85	Peak	67.49	-3.14	64.35	74.00	-9.65

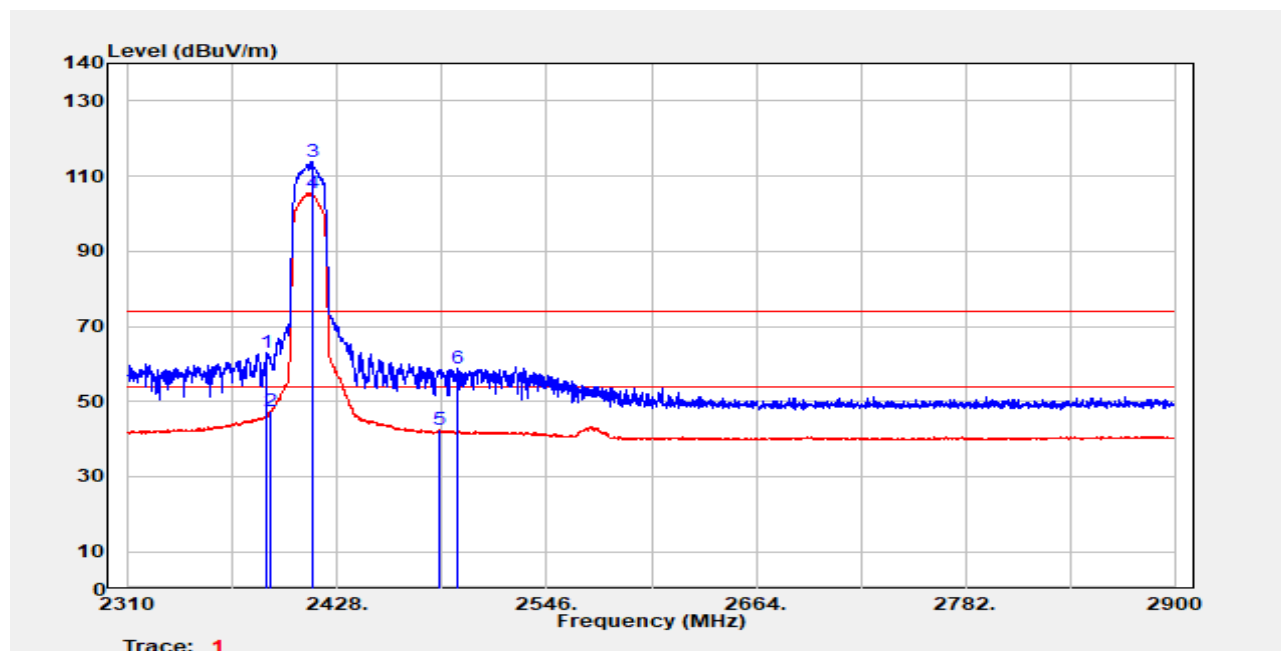
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Report Number :TERF2603000804E2
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 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
2387.71	Peak	65.86	-2.98	62.88	74.00	-11.12
2389.87	Average	50.35	-2.98	47.37	54.00	-6.63
2413.48	Peak	117.03	-3.15	113.88	-	-
2413.48	Average	108.48	-3.15	105.33	-	-
2485.49	Average	45.50	-3.13	42.37	54.00	-11.63
2495.91	Peak	61.87	-3.20	58.67	74.00	-15.33

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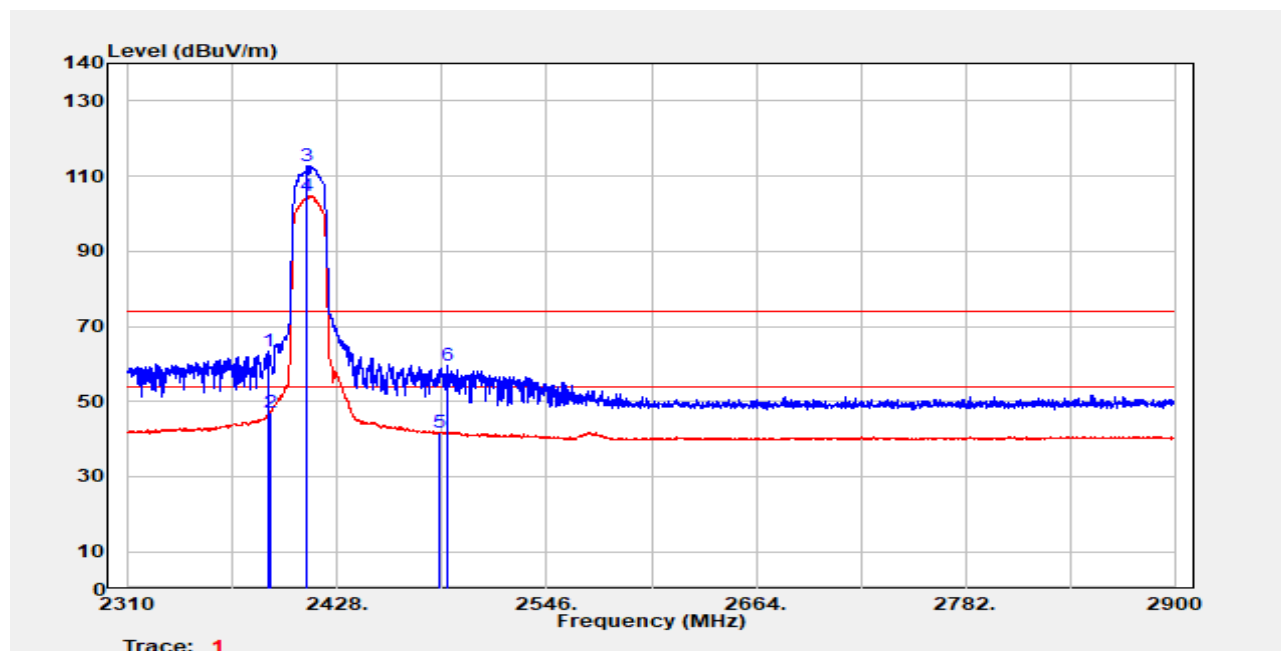
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Report Number :TERF2603000804E2
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Horizontal
 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
2388.69	Peak	66.34	-2.98	63.36	74.00	-10.64
2389.68	Average	50.17	-2.98	47.19	54.00	-6.81
2410.92	Peak	116.01	-3.17	112.84	-	-
2410.92	Average	107.97	-3.17	104.80	-	-
2484.90	Average	45.00	-3.13	41.87	54.00	-12.13
2489.62	Peak	62.53	-3.13	59.40	74.00	-14.60

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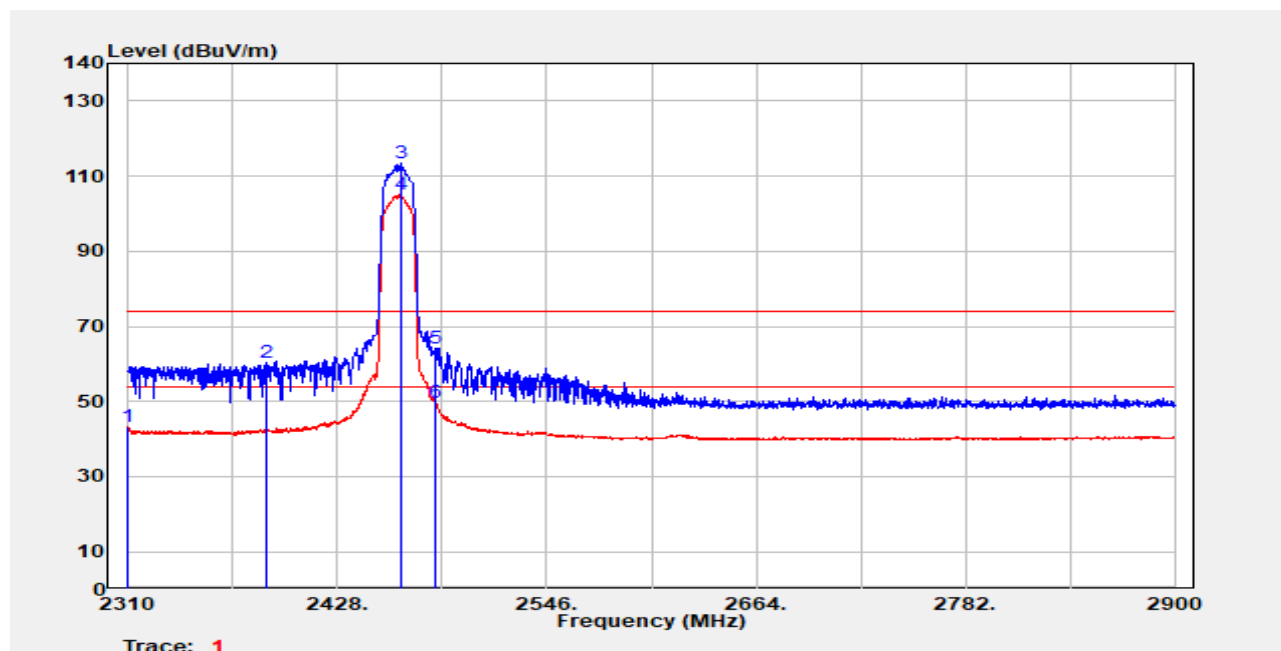
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Report Number :TERF2603000804E2
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



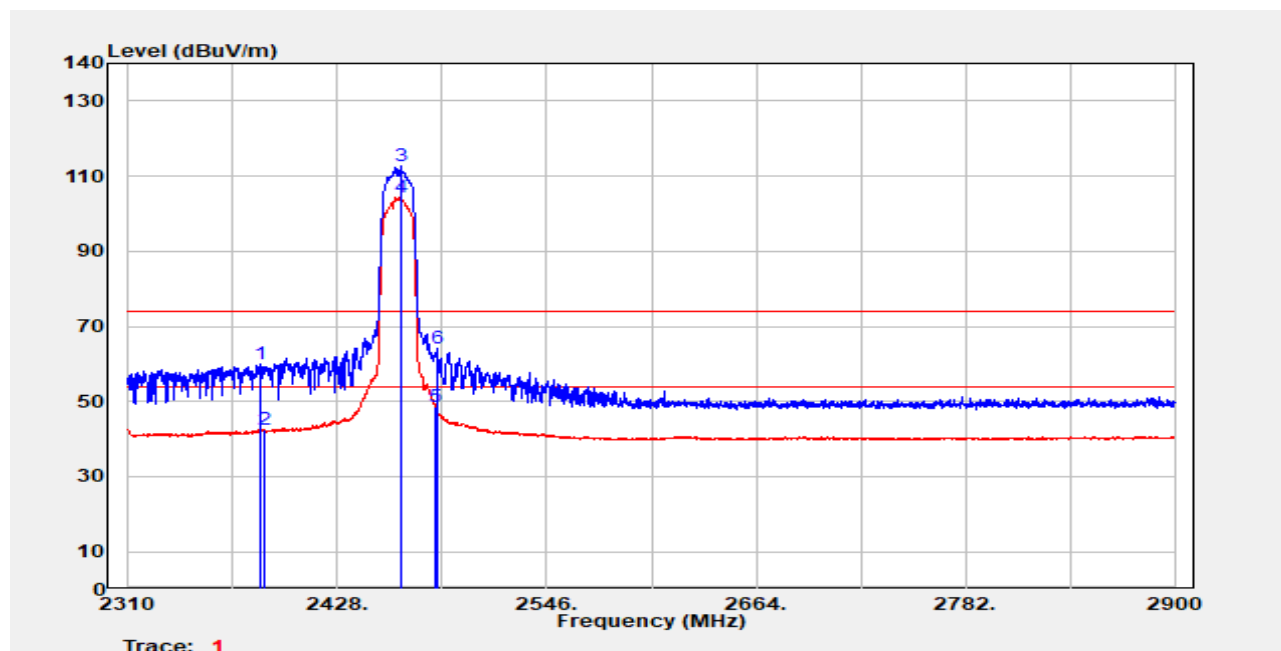
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2310.00	Average	46.29	-2.92	43.37	54.00	-10.63
2387.91	Peak	63.38	-2.98	60.40	74.00	-13.60
2463.45	Peak	116.68	-3.19	113.49	-	-
2463.45	Average	108.10	-3.19	104.91	-	-
2483.50	Peak	67.38	-3.13	64.25	74.00	-9.75
2483.50	Average	52.66	-3.13	49.53	54.00	-4.47

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Report Number :TERF2603000804E2
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



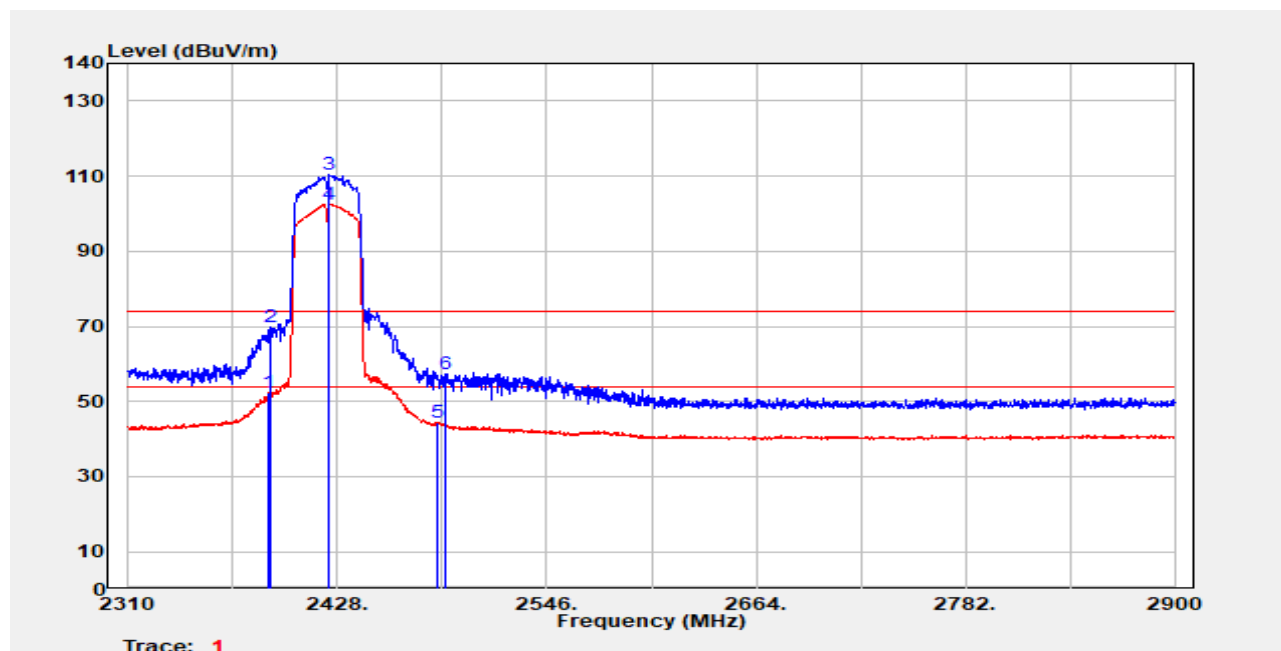
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2383.97	Peak	63.11	-3.00	60.11	74.00	-13.89
2386.92	Average	45.48	-3.00	42.48	54.00	-11.52
2463.45	Peak	115.96	-3.19	112.77	-	-
2463.45	Average	107.39	-3.19	104.20	-	-
2483.50	Average	51.72	-3.13	48.59	54.00	-5.41
2484.31	Peak	67.30	-3.13	64.17	74.00	-9.83

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Report Number :TERF2603000804E2
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



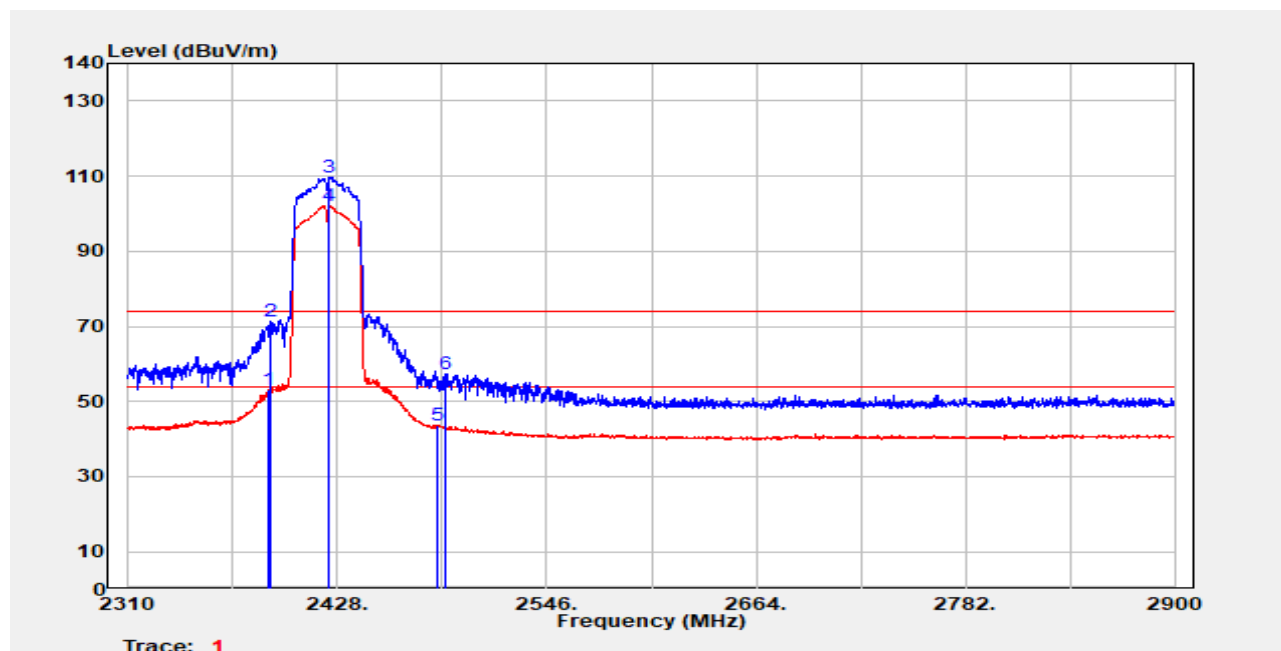
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2389.48	Average	55.45	-2.98	52.47	54.00	-1.53
2389.87	Peak	72.76	-2.98	69.78	74.00	-4.22
2423.51	Peak	113.35	-3.09	110.26	-	-
2423.51	Average	105.70	-3.09	102.61	-	-
2483.72	Average	47.44	-3.13	44.31	54.00	-9.69
2488.24	Peak	60.43	-3.14	57.29	74.00	-16.71

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Report Number :TERF2603000804E2
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



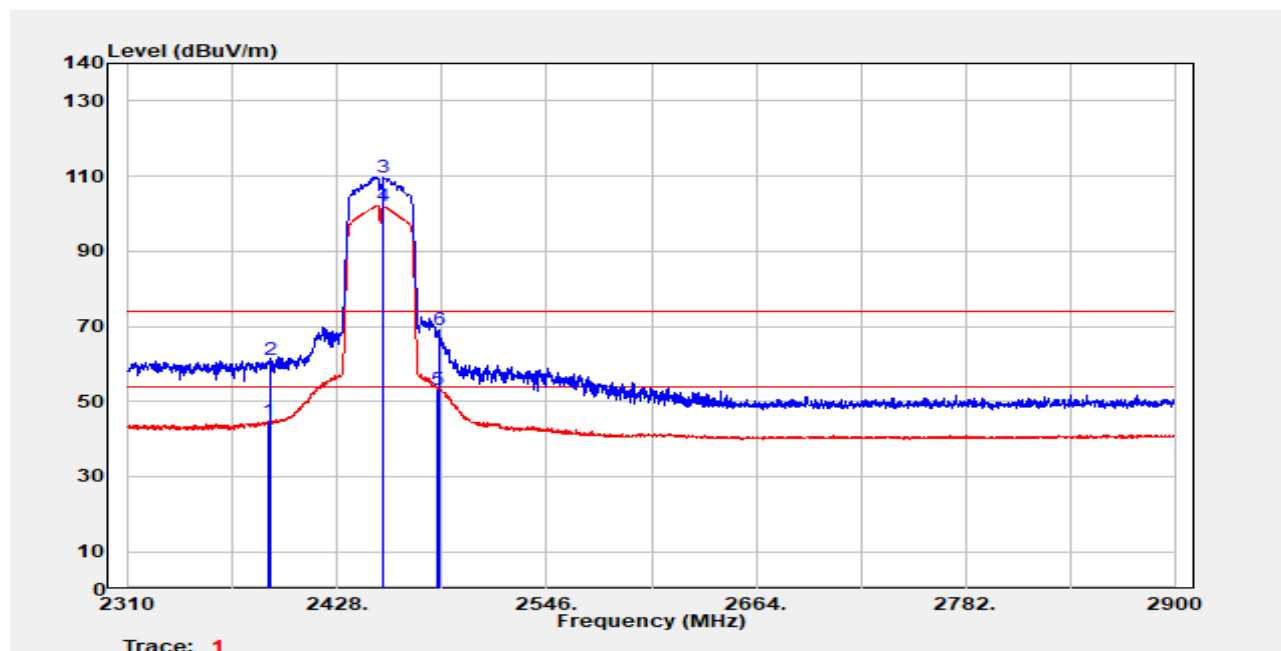
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.48	Average	56.11	-2.98	53.13	54.00	-0.87
2389.87	Peak	74.12	-2.98	71.14	74.00	-2.86
2423.51	Peak	112.76	-3.09	109.67	-	-
2423.51	Average	105.05	-3.09	101.96	-	-
2484.50	Average	46.62	-3.13	43.49	54.00	-10.51
2489.22	Peak	60.54	-3.13	57.41	74.00	-16.59

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Report Number :TERF2603000804E2
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



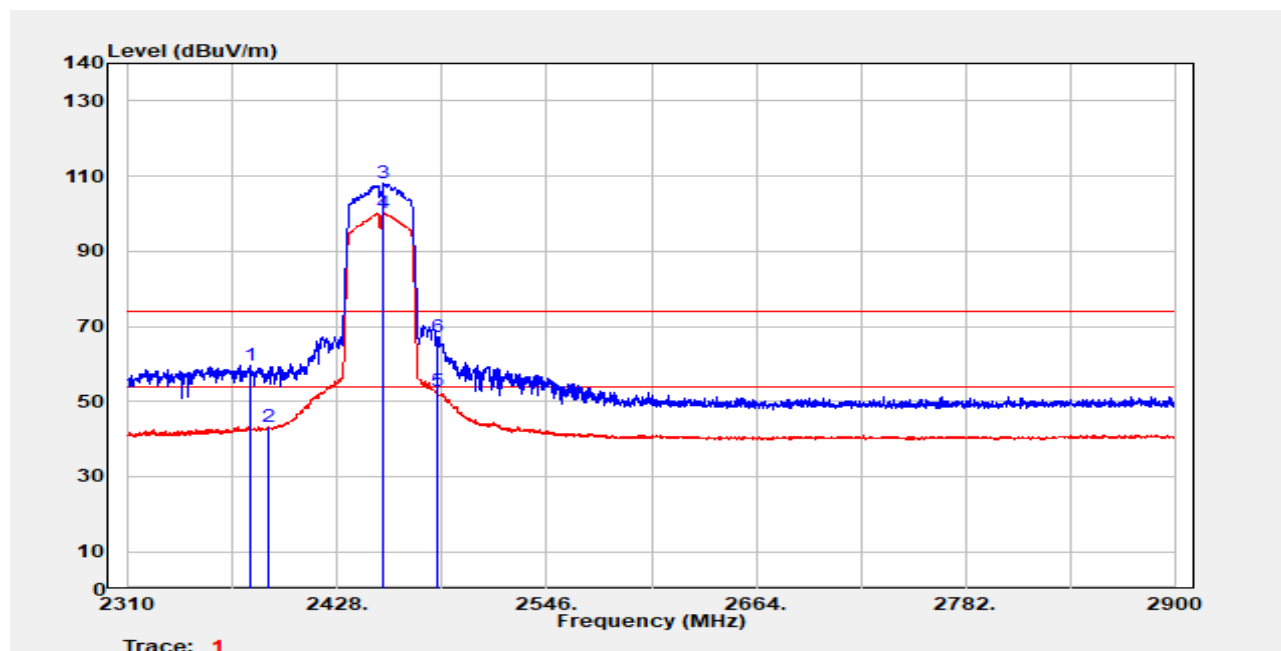
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.89	Average	47.71	-2.98	44.73	54.00	-9.27
2389.87	Peak	63.97	-2.98	60.99	74.00	-13.01
2453.42	Peak	112.94	-3.21	109.73	-	-
2453.42	Average	105.38	-3.21	102.17	-	-
2484.50	Average	56.23	-3.13	53.10	54.00	-0.90
2485.09	Peak	72.13	-3.13	69.00	74.00	-5.00

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Report Number :TERF2603000804E2
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



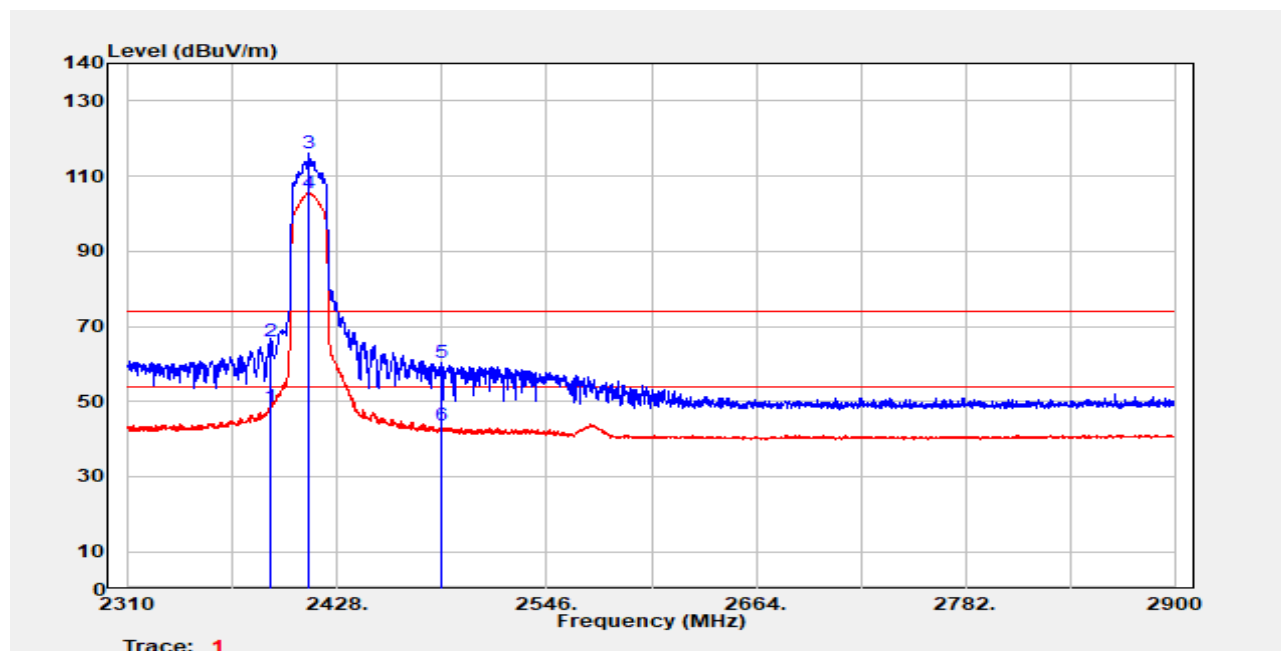
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2378.86	Peak	62.66	-3.01	59.65	74.00	-14.35
2389.48	Average	46.40	-2.98	43.42	54.00	-10.58
2453.62	Peak	111.18	-3.21	107.97	-	-
2453.62	Average	103.40	-3.21	100.19	-	-
2483.72	Average	55.75	-3.13	52.62	54.00	-1.38
2484.50	Peak	70.31	-3.13	67.18	74.00	-6.82

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Report Number :TERF2603000804E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-19
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



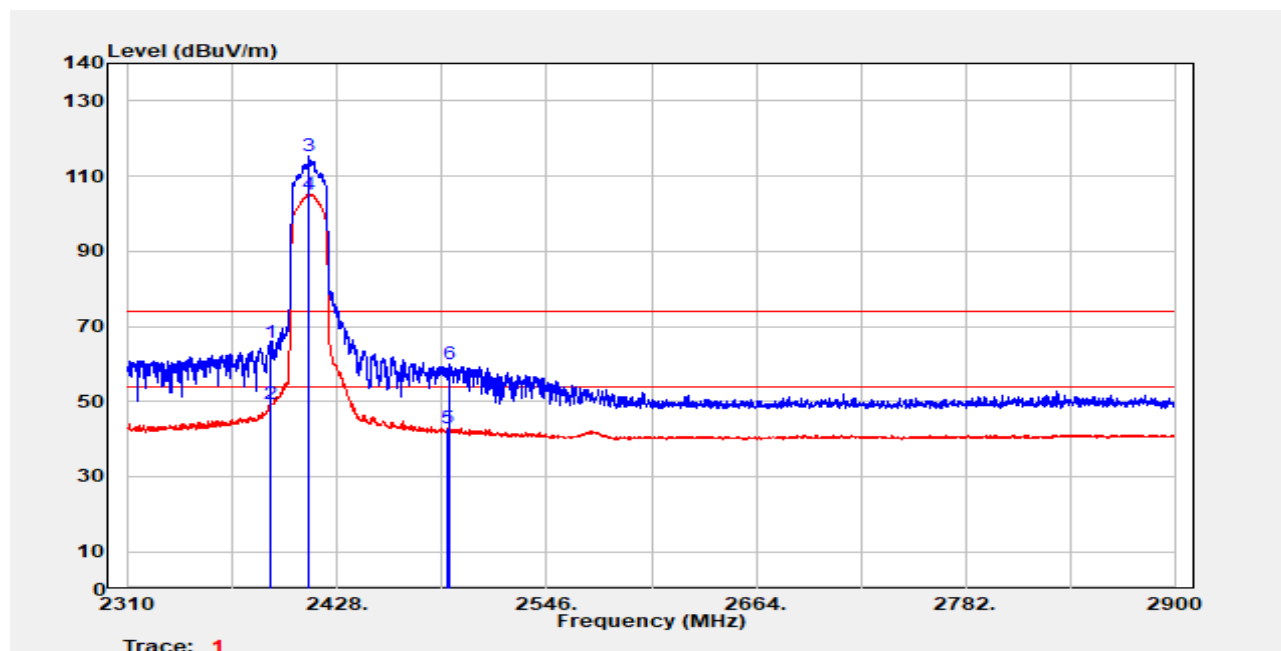
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.68	Average	51.68	-2.98	48.70	54.00	-5.30
2389.87	Peak	69.04	-2.98	66.06	74.00	-7.94
2411.91	Peak	119.09	-3.15	115.94	-	-
2411.91	Average	108.72	-3.15	105.57	-	-
2486.86	Peak	63.28	-3.13	60.15	74.00	-13.85
2486.86	Average	46.79	-3.13	43.66	54.00	-10.34

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Report Number :TERF2603000804E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-20
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



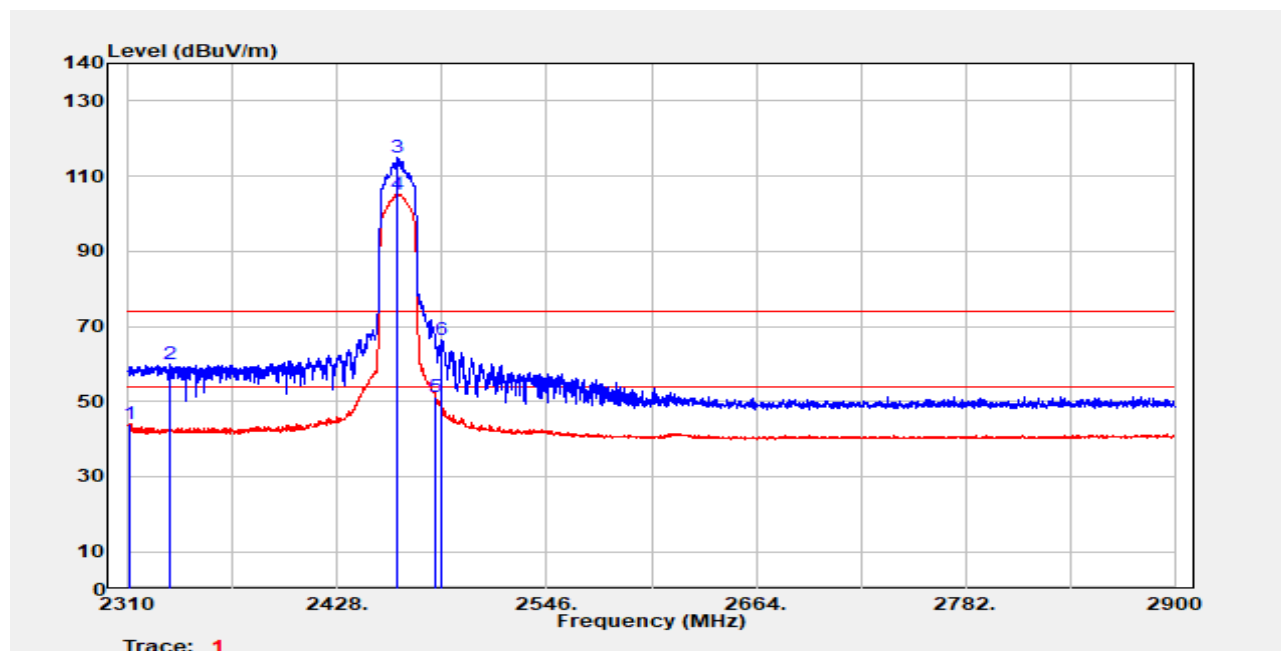
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2389.87	Peak	68.67	-2.98	65.69	74.00	-8.31
2389.87	Average	52.35	-2.98	49.37	54.00	-4.63
2411.51	Peak	118.51	-3.16	115.35	-	-
2411.51	Average	108.41	-3.16	105.25	-	-
2489.42	Average	45.92	-3.13	42.79	54.00	-11.21
2491.19	Peak	63.08	-3.14	59.94	74.00	-14.06

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Report Number :TERF2603000804E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-20
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



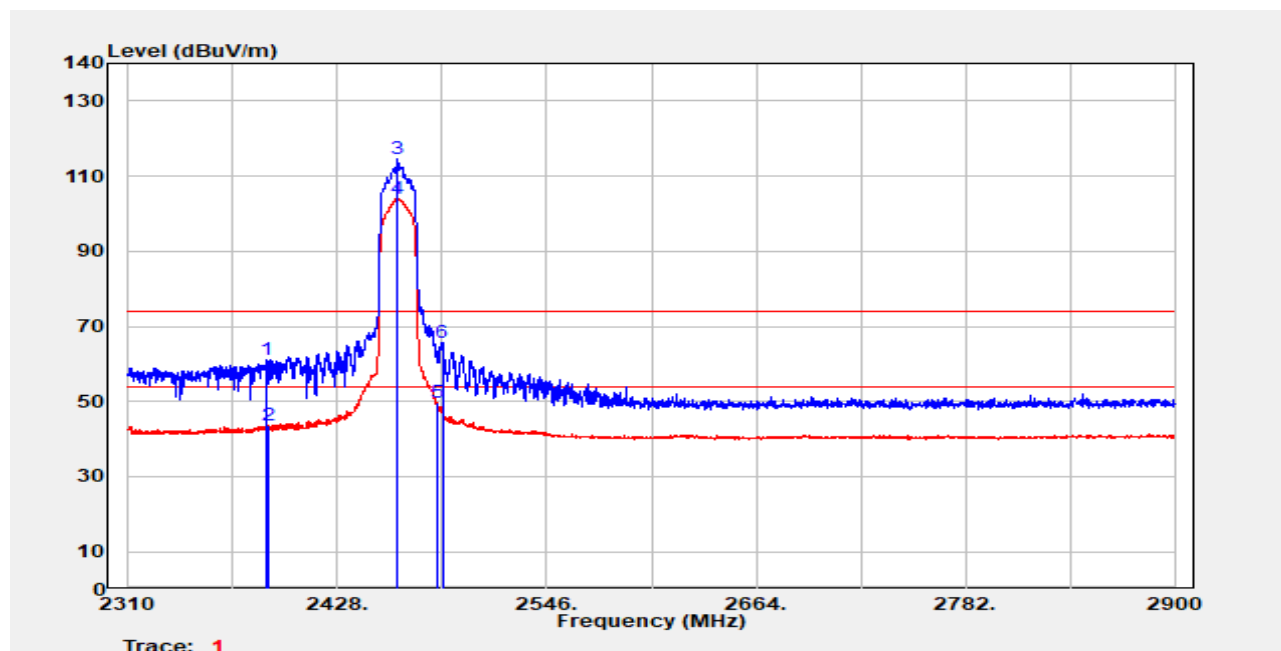
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2310.39	Average	46.93	-2.92	44.01	54.00	-9.99
2333.02	Peak	62.86	-2.98	59.88	74.00	-14.12
2462.07	Peak	118.21	-3.19	115.02	-	-
2462.07	Average	108.43	-3.19	105.24	-	-
2483.50	Average	54.17	-3.13	51.04	54.00	-2.96
2486.86	Peak	69.66	-3.13	66.53	74.00	-7.47

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Report Number :TERF2603000804E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-20
 Temp./Humi. :22.6°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



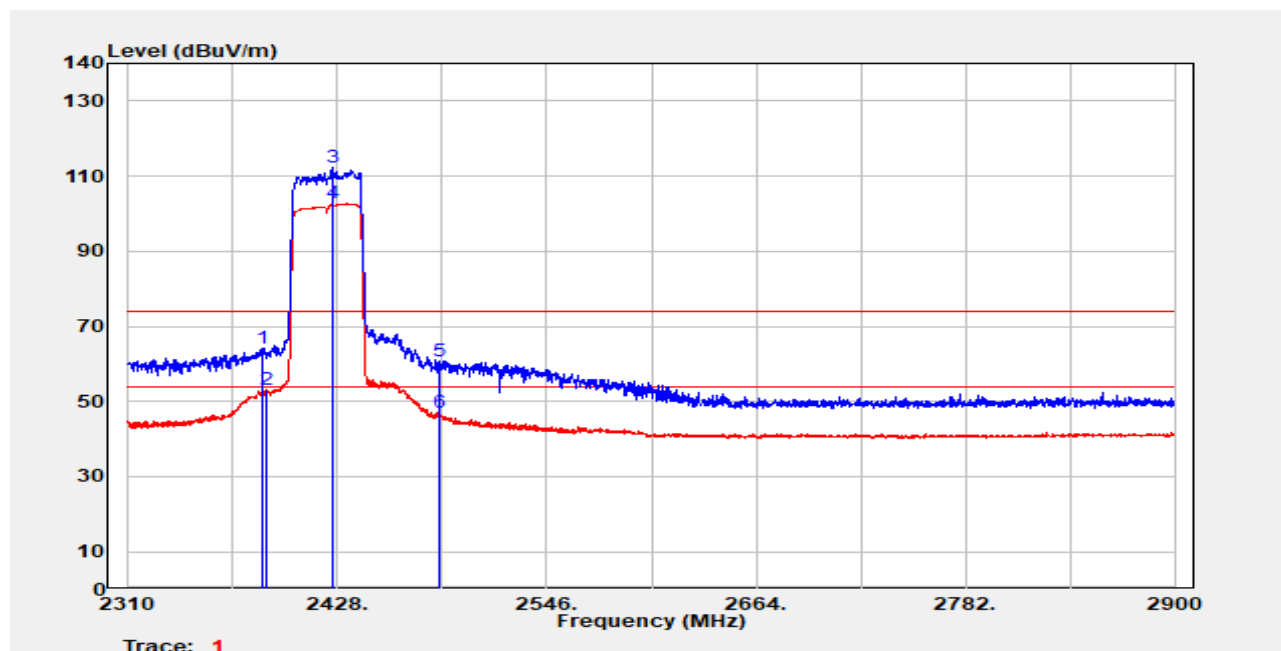
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.10	Peak	63.91	-2.98	60.93	74.00	-13.07
2389.28	Average	46.52	-2.98	43.54	54.00	-10.46
2461.68	Peak	117.68	-3.19	114.49	-	-
2461.68	Average	107.22	-3.19	104.03	-	-
2483.72	Average	52.74	-3.13	49.61	54.00	-4.39
2487.06	Peak	68.93	-3.13	65.80	74.00	-8.20

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Report Number :TERF2603000804E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2422 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-20
 Temp./Humi. :22.7°C/55%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



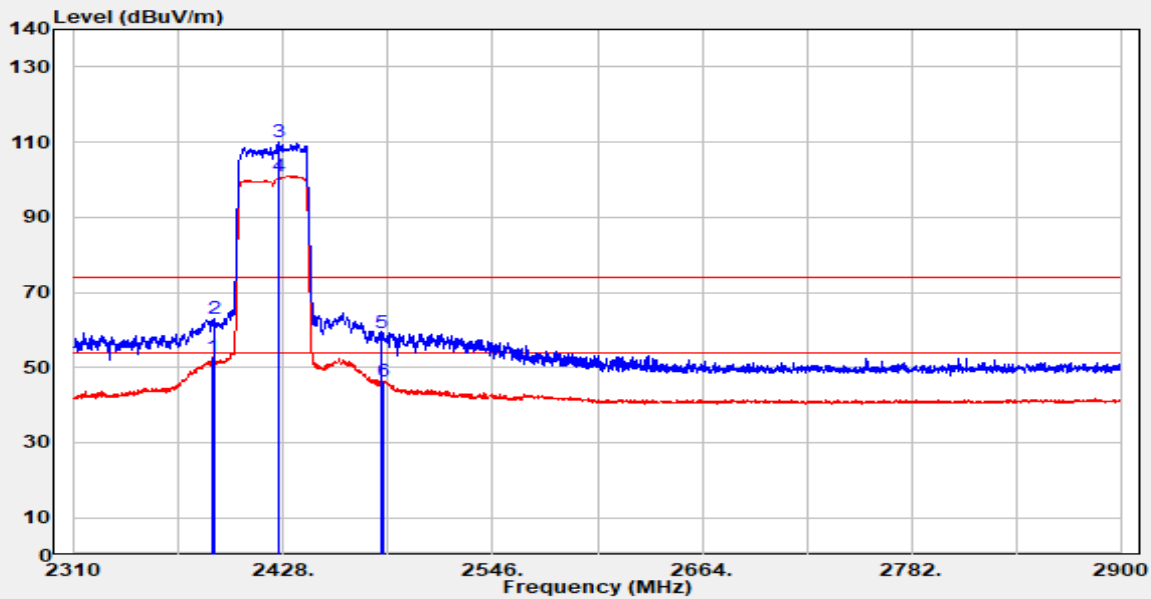
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2385.35	Peak	67.07	-3.00	64.07	74.00	-9.93
2387.51	Average	55.94	-2.98	52.96	54.00	-1.04
2424.89	Peak	115.29	-3.09	112.20	-	-
2424.89	Average	105.74	-3.09	102.65	-	-
2484.90	Peak	63.91	-3.13	60.78	74.00	-13.22
2485.29	Average	50.34	-3.13	47.21	54.00	-6.79

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Report Number :TERF2603000804E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2422 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-20
 Temp./Humi. :22.7°C/55%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



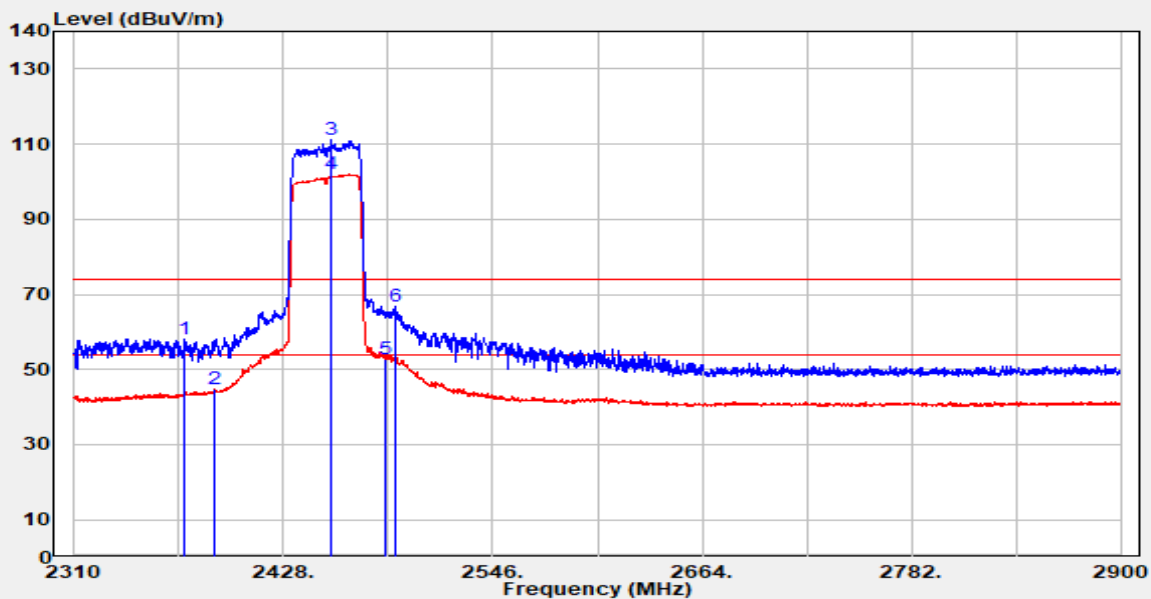
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2387.91	Average	55.68	-2.98	52.70	54.00	-1.30
2388.50	Peak	65.99	-2.98	63.01	74.00	-10.99
2425.09	Peak	113.09	-3.09	110.00	-	-
2425.09	Average	103.96	-3.09	100.87	-	-
2483.50	Peak	62.47	-3.13	59.34	74.00	-14.66
2484.50	Average	49.60	-3.13	46.47	54.00	-7.53

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Report Number :TERF2603000804E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-20
 Temp./Humi. :22.7°C/55%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2372.36	Peak	61.21	-3.01	58.20	74.00	-15.80
2389.48	Average	47.60	-2.98	44.62	54.00	-9.38
2454.80	Peak	114.45	-3.21	111.24	-	-
2454.80	Average	105.15	-3.21	101.94	-	-
2485.88	Average	55.69	-3.13	52.56	54.00	-1.44
2490.60	Peak	69.88	-3.14	66.74	74.00	-7.26

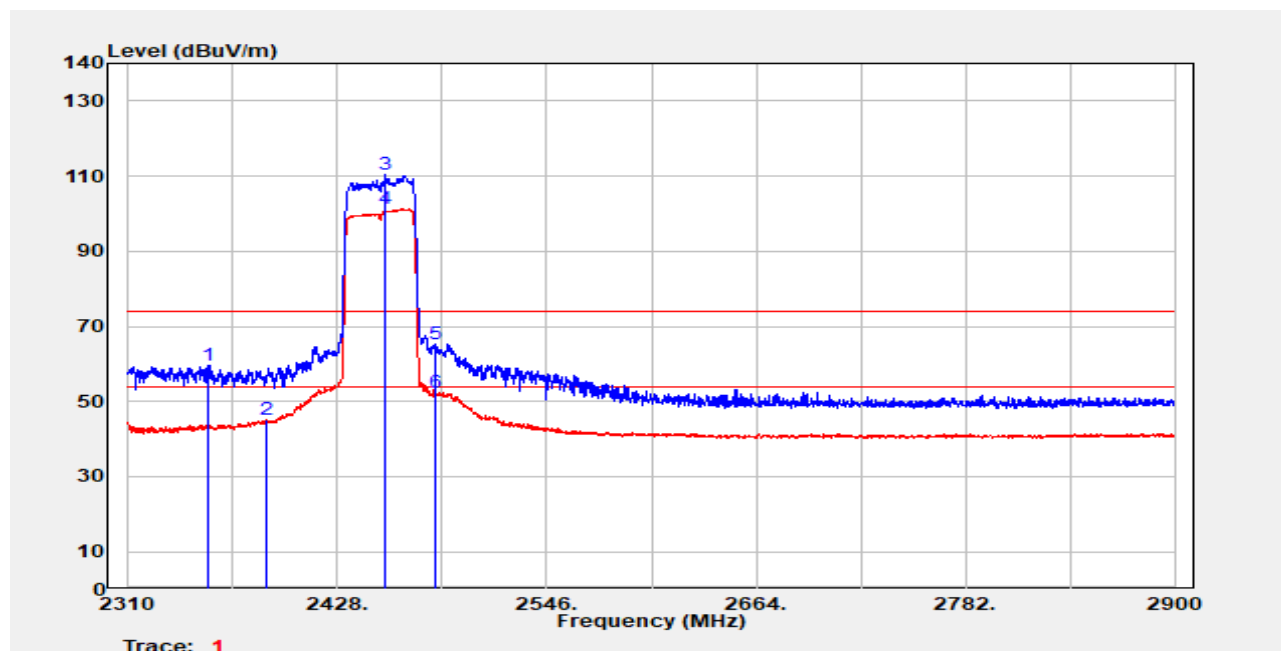
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Report Number :TERF2603000804E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :NB Mode

Test Site :SAC D
 Test Date :2026-03-20
 Temp./Humi. :22.7°C/55%
 Antenna Pol. :Horizontal
 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
2355.45	Peak	62.48	-2.94	59.54	74.00	-14.46
2388.10	Average	48.31	-2.98	45.33	54.00	-8.67
2454.80	Peak	113.64	-3.21	110.43	-	-
2454.80	Average	104.55	-3.21	101.34	-	-
2483.50	Peak	68.33	-3.13	65.20	74.00	-8.80
2483.50	Average	55.41	-3.13	52.28	54.00	-1.72

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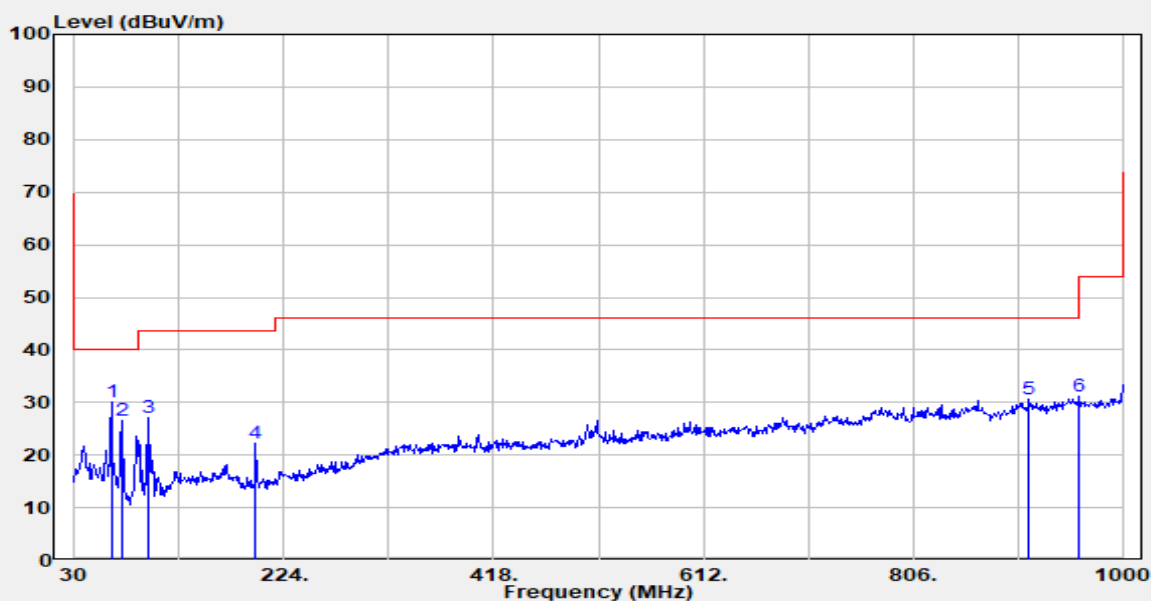
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7.3.2 Spurious Emission

Report Number :TERF2603000804E2
 Operation Mode :802.11b
 Test Frequency :2437 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



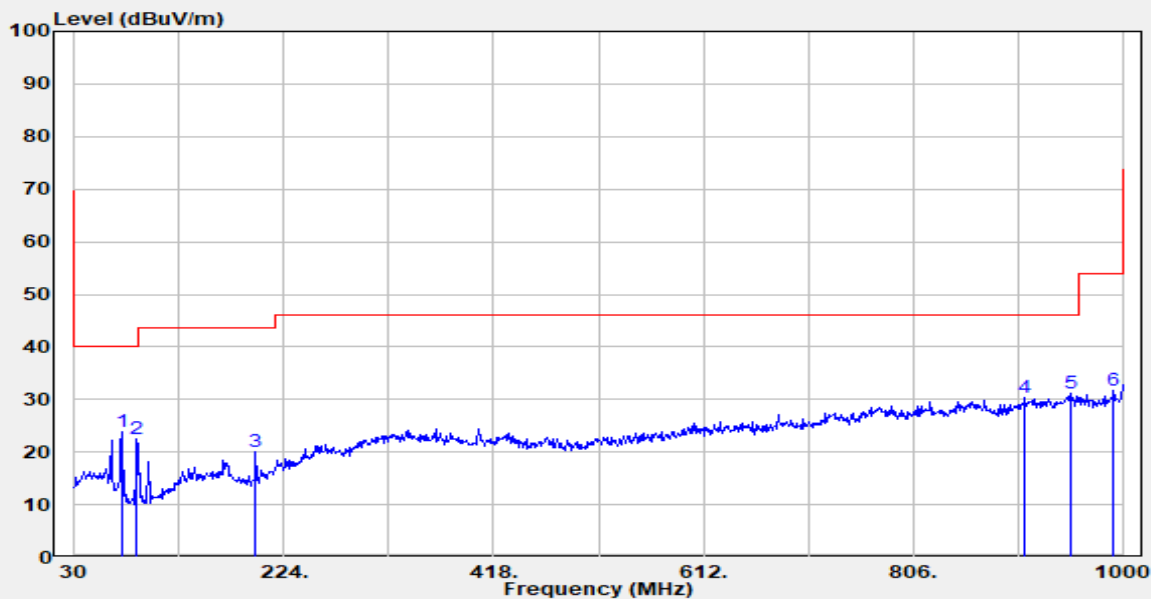
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
63.95	Peak	48.25	-18.14	30.11	40.00	-9.89
73.65	Peak	46.82	-20.23	26.59	40.00	-13.41
98.87	Peak	48.97	-21.86	27.11	43.50	-16.39
197.81	Peak	41.71	-19.38	22.33	43.50	-21.17
913.67	Peak	35.56	-4.84	30.72	46.00	-15.28
960.23	Peak	35.21	-4.02	31.19	54.00	-22.81

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Report Number :TERF2603000804E2
 Operation Mode :802.11b
 Test Frequency :2437 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 dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
73.65	Peak	44.07	-20.23	23.84	40.00	-16.16
87.23	Peak	45.50	-22.90	22.60	40.00	-17.40
197.81	Peak	39.54	-19.38	20.16	43.50	-23.34
909.79	Peak	35.34	-4.92	30.42	46.00	-15.58
951.50	Peak	35.16	-4.08	31.08	46.00	-14.92
992.24	Peak	35.48	-3.81	31.67	54.00	-22.33

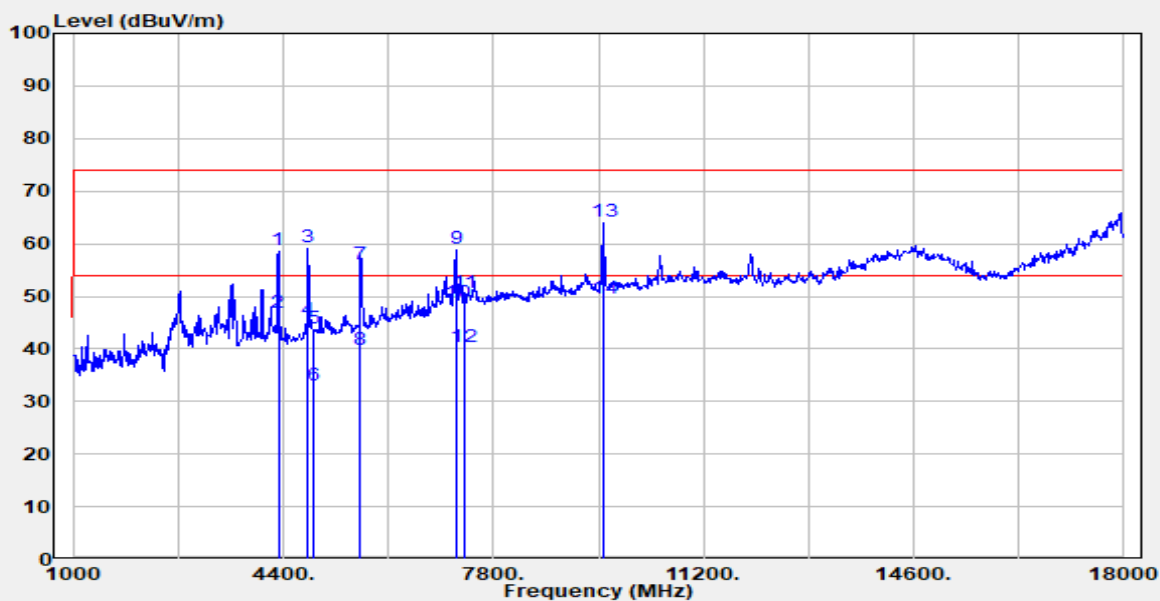
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Report Number :TERF2603000804E2
 Operation Mode :802.11b
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :NB Mode

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 PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4305.00	Peak	56.10	2.71	58.81	74.00	-15.19
4305.00	Average	44.24	2.71	46.95	54.00	-7.05
4785.00	Peak	55.40	3.87	59.27	74.00	-14.73
4785.00	Average	41.64	3.87	45.51	54.00	-8.49
4874.00	Peak	40.21	3.80	44.01	74.00	-29.99
4874.00	Average	29.38	3.80	33.18	54.00	-20.82
5640.00	Peak	51.64	4.50	56.14	74.00	-17.86
5640.00	Average	35.22	4.50	39.72	54.00	-14.28
7185.00	Peak	49.05	10.07	59.12	74.00	-14.88
7185.00	Average	38.59	10.07	48.66	54.00	-5.34
7311.00	Peak	40.35	10.30	50.65	74.00	-23.35
7311.00	Average	30.01	10.30	40.31	54.00	-13.69

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9570.00	Peak	50.91	13.36	64.27	74.00	-9.73
9570.00	Average	36.25	13.36	49.61	54.00	-4.39

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SGS Taiwan Ltd.

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台灣檢驗科技股份有限公司

t (886-2) 2299-3279

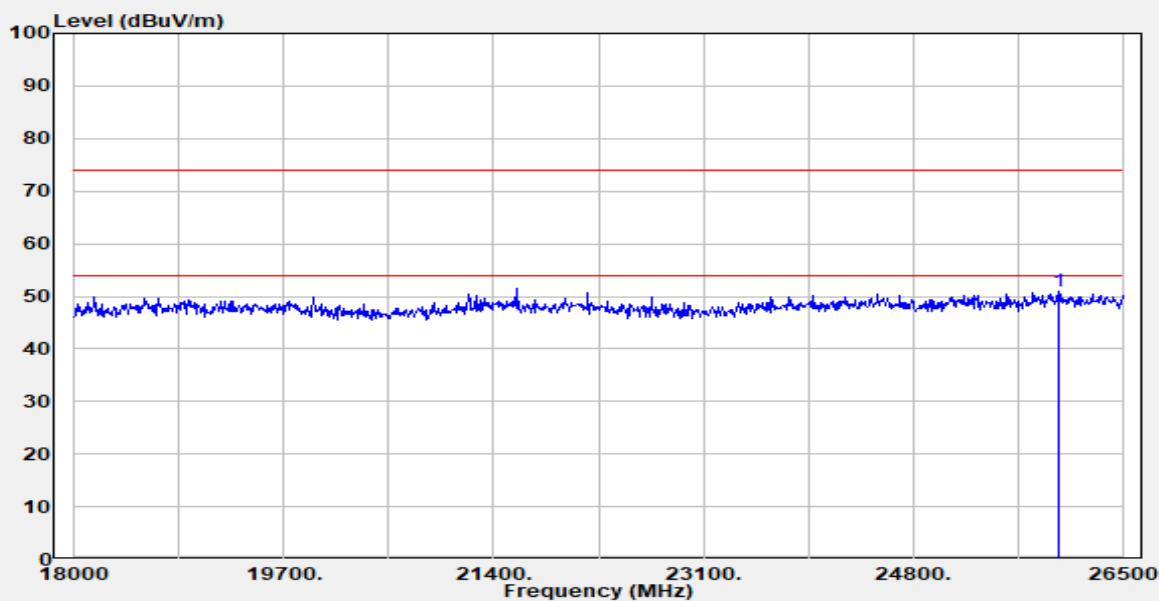
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2603000804E2
 Operation Mode :802.11b
 Test Frequency :2437 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



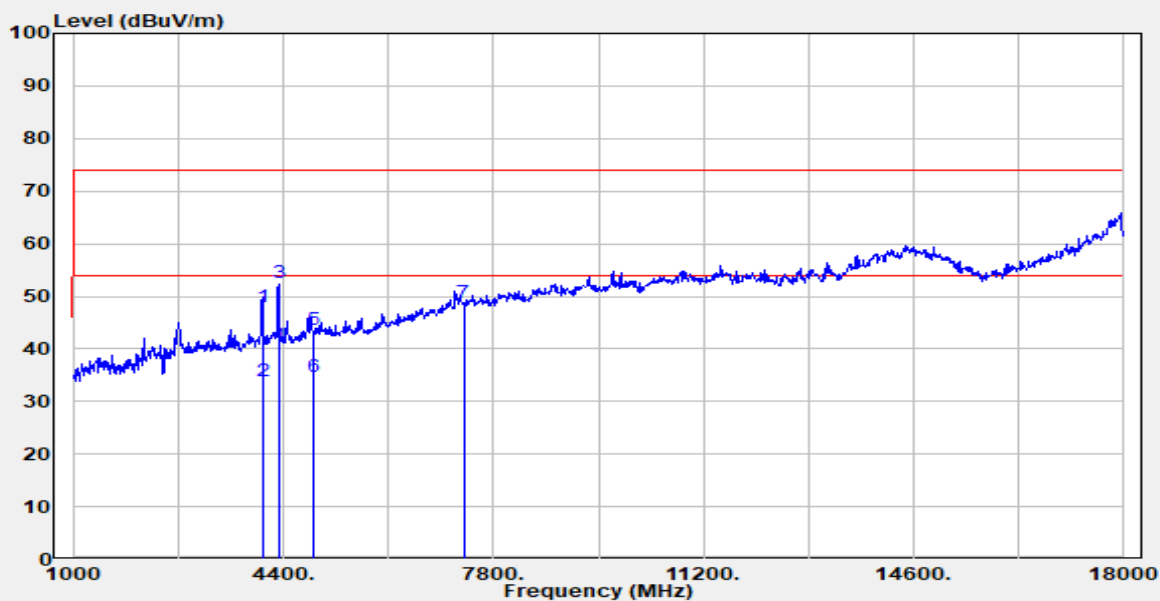
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
25981.50	Peak	42.91	8.16	51.07	74.00	-22.93

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Report Number :TERF2603000804E2
 Operation Mode :802.11b
 Test Frequency :2437 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



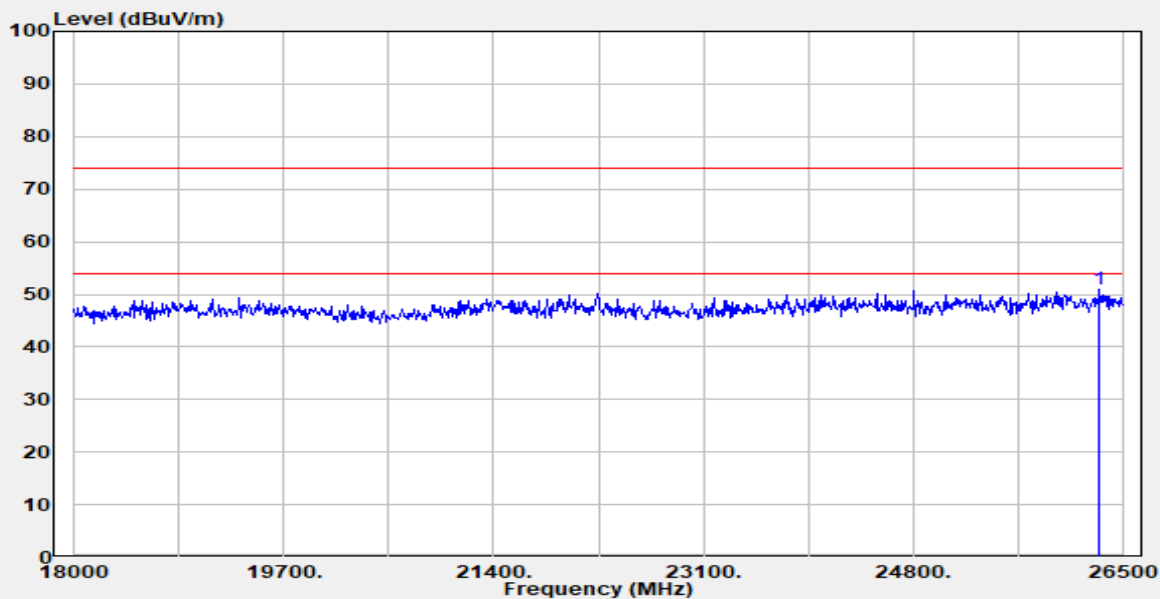
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4050.00	Peak	45.95	2.14	48.09	74.00	-25.91
4050.00	Average	31.75	2.14	33.89	54.00	-20.11
4320.00	Peak	49.82	2.73	52.55	74.00	-21.45
4320.00	Average	37.84	2.73	40.57	54.00	-13.43
4874.00	Peak	39.79	3.80	43.59	74.00	-30.41
4874.00	Average	30.95	3.80	34.75	54.00	-19.25
7311.00	Peak	38.35	10.30	48.65	74.00	-25.35

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Report Number :TERF2603000804E2
 Operation Mode :802.11b
 Test Frequency :2437 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	dBμV	dB	dBμV/m	dBμV/m	dB
26313.00	Peak	42.38	8.44	50.82	74.00	-23.18

~ End of Report ~

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