

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT



EUT Description: Wireless module installed in Speaker
Applicant: Murata Manufacturing Co., Ltd.
1-10-1, Higashikotari, Nagaokakyo-shi, Kyoto 617-8555 Japan
Manufacturer: Murata Manufacturing Co., Ltd.
1-10-1, Higashikotari, Nagaokakyo-shi, Kyoto 617-8555 Japan
Brand Name: muRata
Model No.: LBEE5ZZ1XL
/ISED HVIN:
ISED PMN: LBEE5ZZ1XL
FCC Host Model: EX383
ISED HMN: EX383
Report Number: TERF2503001061E2
FCC ID VPYLBEE5ZZ1XL
IC: 772C-LBEE5ZZ1XL
Date of EUT Received: February 5, 2025
Date of Test: April 23, 2025~June 25, 2025
Issue Date: August 1, 2025

Vito Pei
Approved By _____

Vito Pei

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 C63.10:2013 and the energy emitted by the sample EUT comply with FCC rule part §15.247, ISED RSS-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
TERF2503001061E2	00	Original	August 1, 2025	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:	Wireless module installed in Speaker
Brand Name:	muRata
Model No.: /ISED HVIN:	LBEE5ZZ1XL
FCC Host Model:	EX383
ISED HMN:	EX383
Hardware Version:	Palma MADH v404B - PSU v404A
Firmware Version:	SDOS 2.1.0-rc2
EUT Series No.:	U04A30007PL50, U03A30007PL50
Power Supply:	110VAC from power cord
Test Software (Name/Version):	Dut Labtool v2.0.0.91

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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	22.92	20.59	DSSS
802.11g	2412~2462	11	26.49	21.71	OFDM
802.11n_HT20	2412~2462	11	26.44	20.76	OFDM
802.11n_HT40	2422~2452	7	26.16	18.83	OFDM
802.11ac_VHT20	2412~2462	11	26.38	20.68	OFDM
802.11ac_VHT40	2422~2452	7	26.08	18.71	OFDM
802.11ax_HE20	2412~2462	11	26.43	20.71	OFDMA
802.11ax_HE40	2422~2452	7	26.08	18.77	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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Mode	Frequency Range	Channels	Rated Power (dBm)		Rated Power in dBm (EIRP)	Modulation Technology
			Peak	Avg.		
802.11b	2412~2462	11	22.92	20.59	24.76	DSSS
802.11g	2412~2462	11	26.49	21.71	25.89	OFDM
802.11n_HT20	2412~2462	11	26.44	20.76	24.94	OFDM
802.11n_HT40	2422~2452	7	26.16	18.83	23.00	OFDM
802.11ac_VHT20	2412~2462	11	26.38	20.68	24.85	OFDM
802.11ac_VHT40	2422~2452	7	26.08	18.71	22.88	OFDM
802.11ax_HE20	2412~2462	11	26.43	20.71	24.88	OFDMA
802.11ax_HE40	2422~2452	7	26.08	18.77	22.94	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

Antenna Type	Supplier	Antenna Part No.	Ant. No.	Freq. (MHz)	Peak Antenna Gain (dBi)
DualBand PIFA	DEVIALET	Simple Antenna PALMA v103 WL0	WL0	2412~2462	4.6
DualBand PIFA	DEVIALET	Dual Antenna PALMA v103 WL1	WL1	2412~2462	3.7

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, and the laboratory shall not be held liable for the accuracy, completeness, or reliability of any applicant-supplied data.

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1.4 Test Methodology of Applied Standards

FCC Part 15, Subpart C §15.247
 FCC KDB 558074 D01 15.247 Meas Guidance v05r02
 FCC KDB 662911 D01 Multiple Transmitter Output v02r01
 RSS-247 issue 3 Aug. 2023
 RSS-Gen, Issue 5 April 2018, Amendment 2 (February 2021)
 ANSI C63.10:2013

1.5 Test Facility

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

Note: Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.

Temperature:	21.3~21.9	°C	Relative Humidity:	57~60	%
Test site	Conducted C		Test Start:	04/28/2025	
Test Engineer:	Joey You		Test Done:	06/25/2025	

1.6 Special Accessories

There are no special accessories used while test was conducted.

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1.7 Equipment Modifications

There was no modification incorporated into the EUT.

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2 SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 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.

2.3 Test Procedure

2.3.1 Conducted Emissions

The EUT is placed on a table which is 0.8 m above ground plane. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz. The CISPR Quasi-Peak and Average detector mode is employed. The two LISNs provide 50uH/50 ohm of coupling impedance for the measuring instrument. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

2.3.2 Conducted Test (RF)

The active antenna port of the unlicensed wireless device is connected to the spectrum analyzer with attenuator to protect the instrumentation. If a second antenna port is available, it is tested at one operating frequency, with other port(s) appropriately terminated, to verify it has similar output characteristics as the fully tested port.

2.3.3 Radiated Emissions

The EUT is placed on a turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

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2.4 Measurement Results Explanation Example

2.4.1 Radiated Emission Test Sites 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.

2.4.2 For all conducted test items:

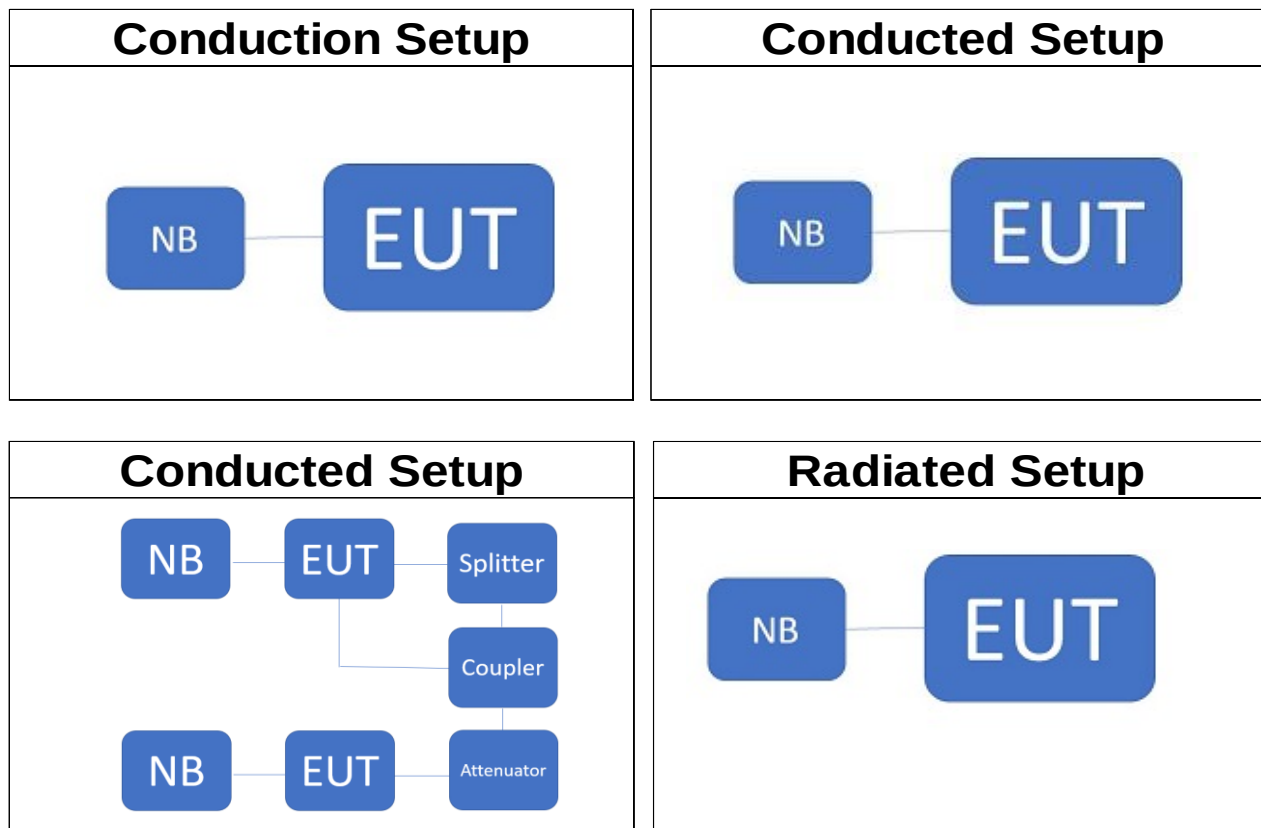
The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

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2.5 Test Configuration



2.6 Control Unit(s)

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)
Notebook	HP	HSN-Q35C-4	P0003859	N/A	N/A
LAN Cable	TATUNG	RJ-KT6-305	2420000052713	N/A	N/A
Power Line	Well Shin	WS-001	N/A	N/A	N/A
Conducted Emission Test Site: Conducted C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
LAN Cale	AMP	AMP-6e	N/A	N/A	N/A
LAN Cale	TATUNG	RJ-KT6-305	N/A	N/A	N/A
Notebook	Lenovo	T470	P0001293	N/A	N/A
Notebook	Lenovo	T14	P0003332	N/A	N/A
Radiated Emission Test Site: SAC D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Notebook	HP	HSN-Q35C-4	P0003859	N/A	N/A
LAN Cable	TATUNG	RJ-KT6-305	2420000052713	N/A	N/A
Power Line	Well Shin	WS-001	N/A	N/A	N/A

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3 SUMMARY OF TEST RESULTS

FCC Rules	ISED Rules	Description Of Test	Result
§15.207(a)	RSS-Gen §8.8	AC Power Line Conducted Emission	Compliant
§15.247(b) (3)	RSS-247 §5.4 d	Peak Output Power	Compliant
§15.209 §15.247(d)	RSS-247 §5.5	Radiated Band Edge and Spurious Emission	Compliant

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4 DESCRIPTION OF TEST MODES

4.1 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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4.2 The Worst Test Modes and Channel Details

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. Investigation has been done on all the possible configurations for searching the worst case.

The given UE is pre-scanned among below modes.

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

4. 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	1,2,6,10,11	DSSS	1	2TX
802.11g	1 to 11	1,2,6,8,9,10,11	OFDM	6	2TX
802.11n_HT20	1 to 11	1,2,6,9,10,11	OFDM	MCS0	2TX
802.11n_HT40	3 to 9	3,4,6,7,8,9	OFDM	MCS0	2TX

CONDUCTED TEST						
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	RU CONFIGURATION	DATA RATE (Mbps)	ANTENNA PORT
802.11ax_HE20	1 to 11	1,2,6,10,11	OFDMA	FULL RU 26/0,26/8 52/37,52/40 106/53,106/54	MCS0	2TX
802.11ax_HE40	3 to 9	3,4,6,8,9	OFDMA	FULL RU 242/61,242/62	MCS0	2TX

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TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz)

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11g	1 to 11	6	OFDM	6	2TX

TRANSMIT RADIATED EMISSION TEST (ABOVE 1 GHz)

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11b	1 to 11	1,2,6,10,11	CCK	1	2TX
802.11g	1 to 11	1,2,6,8,9,10,11	OFDM	6	2TX
802.11n20	1 to 11	1,2,6,10,11	OFDM	MCS0	2TX
802.11n40	3 to 9	1,3,4,6,7,8,9	OFDM	MCS0	2TX
802.11ax20	1 to 11	1,2,9,10,11	OFDMA	MCS0	2TX
802.11ax40	3 to 9	3,4,6,7,8,9	OFDMA	MCS0	2TX

Note:

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.

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5 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	+/- 0.6 °C
Humidity	+/- 3 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty			
Polarization: Vertical	+/-	1.89 dB	9kHz~30MHz
	+/-	4.1 dB	30MHz - 1000MHz
	+/-	3.37 dB	1GHz - 18GHz
	+/-	3.83 dB	18GHz - 40GHz
Polarization: Horizontal	+/-	1.89 dB	9kHz~30MHz
	+/-	4.1 dB	30MHz - 1000MHz
	+/-	3.37 dB	1GHz - 18GHz
	+/-	3.83 dB	18GHz - 40GHz
Radiated Spurious Emission	+/-	2 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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6 MEASUREMENT EQUIPMENT USED

6.1 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	Anritsu	N9038A	MY52260216	11/20/2024	11/19/2025
LISN	SCHWARZBECK Mess-Elektronik	NSLK8127	974	06/26/2024	06/25/2025
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

6.2 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	Woken	WATT-218FS-10	RF18	11/14/2024	11/13/2025
Attenuator	Woken	WATT-218FS-10	RF19	11/14/2024	11/13/2025
DC Block	PASTERNAK	PE8210	RF35	11/14/2024	11/13/2025
Coupler	narda	4226_10	RF69	11/14/2024	11/13/2025
Splitter	RF-LAMBDA	RFLT2W1G18G	RF55	11/14/2024	11/13/2025
Attenuator	KEYSIGHT	11716C	RF44	11/14/2024	11/13/2025
Power Meter	Anritsu	ML2496A	1512003	09/04/2024	09/03/2025
Power Sensor	Anritsu	MA2411B	1339378	09/04/2024	09/03/2025
Power Sensor	Anritsu	MA2411B	1339379	09/04/2024	09/03/2025
Spectrum Analyzer	KEYSIGHT	N9010B	MY59071573	05/24/2024	05/23/2025
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

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6.3 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)
Active Loop Antenna	COM-POWER	AL-130R	10160105	12/11/2024	12/10/2025
Attenuator	Woken	WATT-218FS-10	RF17	11/14/2024	11/13/2025
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-617	12/17/2024	12/16/2025
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+1 50707+MY969/4+1 6+190825+150702	11/14/2024	11/13/2025
High Pass Filter	Titan Microwave	T04H30001800070 S01	RF188	11/14/2024	11/13/2025
Horn Antenna	Schwarzbeck	BBHA9120D	1341	05/29/2025	05/28/2026
Horn Antenna	Schwarzbeck	BBHA9170	184	12/20/2024	12/19/2025
Pre-Amplifier	EMC Instruments	EMC12630SE	980273	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC184045SEE	980881	11/14/2024	11/13/2025
Pre-Amplifier	EMC Instruments	EMC9135	980234	11/14/2024	11/13/2025
Spectrum Analyzer	KEYSIGHT	N9010A	MY54510568	10/16/2024	10/15/2025
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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7 CONDUCTED EMISSION TEST

7.1 Standard Applicable

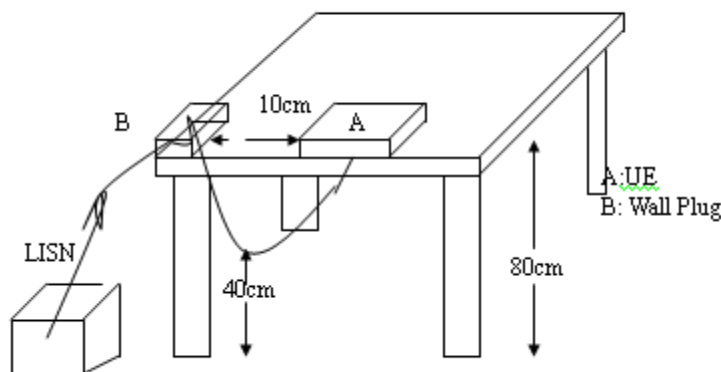
Frequency range within 150kHz to 30MHz shall not exceed the Limit table as below.

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.		

7.2 EUT Setup:

1. The conducted emission tests were performed in the test site, using the setup in accordance with the ANSI C63.10:2013.
2. The AC/DC Power adaptor of EUT was plug-in LISN. The EUT was placed flushed with the rear of the table.
3. The LISN was connected with 120Vac/60Hz power source.

7.3 Test Setup



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7.4 Measurement Procedure

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all phases of power being supplied by given UE are completed

7.5 Measurement Result

Level = Read Level + Factor

Factor = (LISN, ISN, or current probe)Factor + Cable Loss +Attenuator

Note: Refer to next page for measurement data and plots.

Note2: The * reveals the worst-case results that closest to the limit.

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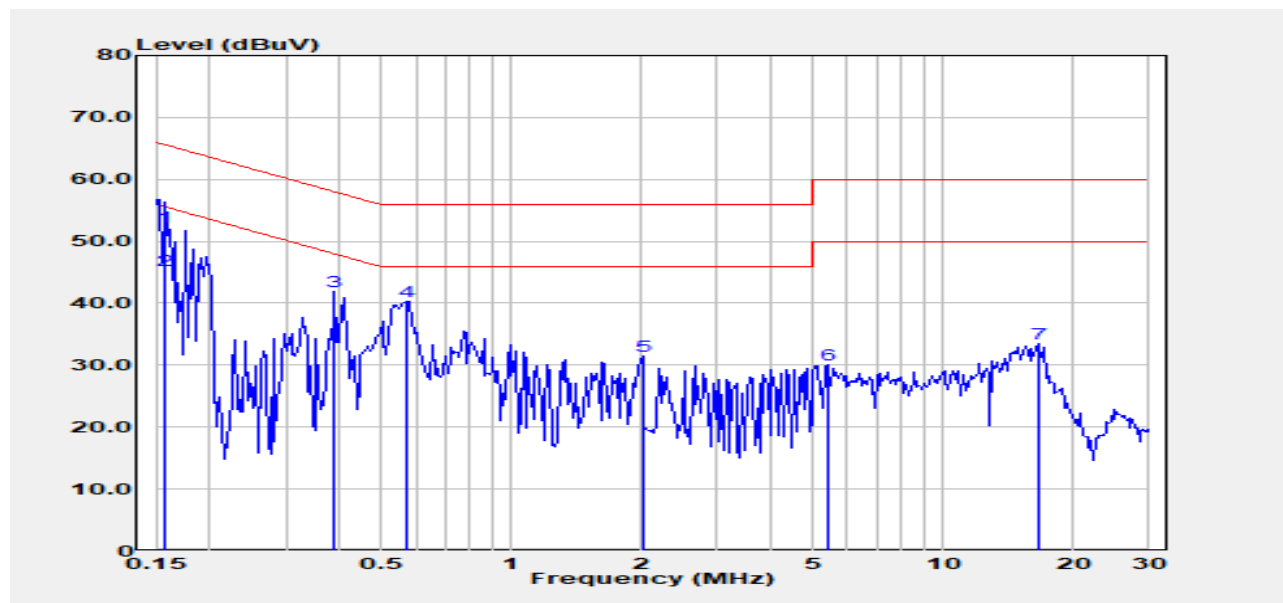
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AC POWER LINE CONDUCTED EMISSION TEST DATA

Report Number	:TERF2503001061E2	Test Site	:Conduction C
Test Mode	:WLAN 2.4GHz	Test Date	:2025-06-06
Power	:120V/60Hz	Temp./Humi.	:25°C/65%
Probe	:L1	Engineer	:Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS		
MHz	PK/QP/AV	dBμV	dB	dBμV	dBμV	dB
0.156	Average	41.60	10.65	52.25	55.65	-3.40
0.156	QP	34.60	10.65	45.25	65.65	-20.40
0.389	Peak	31.28	10.62	41.90	58.08	-16.18
0.570	Peak	29.69	10.63	40.32	56.00	-15.68
2.012	Peak	20.69	10.77	31.46	56.00	-24.54
5.390	Peak	19.16	10.95	30.12	60.00	-29.88
16.573	Peak	22.30	11.11	33.41	60.00	-26.59

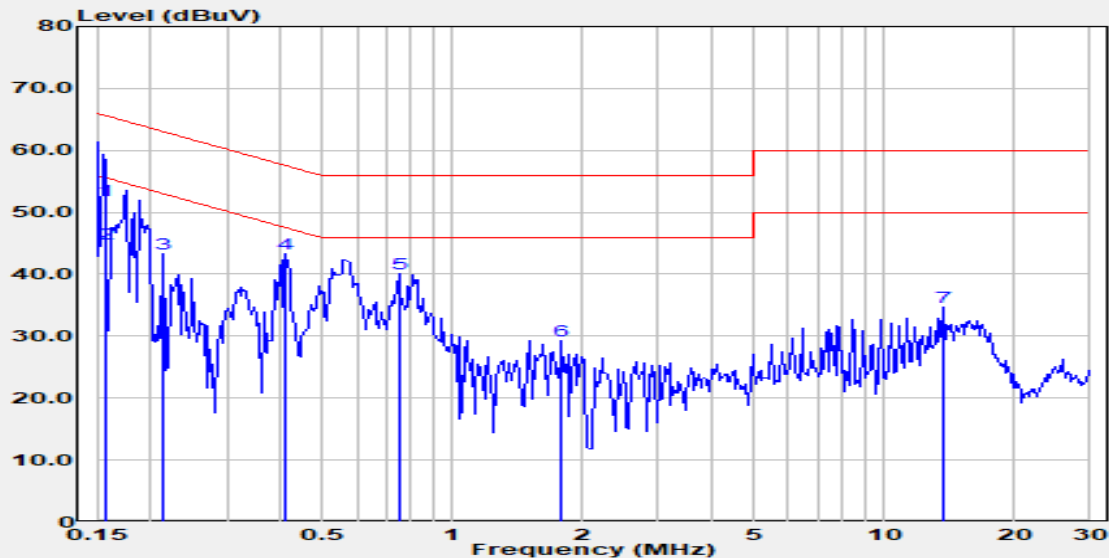
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Report Number :TERF2503001061E2
Test Mode :WLAN 2.4GHz
Power :120V/60Hz
Probe :N

Test Site :Conduction C
Test Date :2025-06-06
Temp./Humi. :25°C/65%
Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS		
MHz	PK/QP/AV	dBμV	dB	dBμV	dBμV	dB
0.156	Average	41.30	10.66	51.96	55.65	-3.69
0.156	QP	34.20	10.66	44.86	65.65	-20.79
0.213	Peak	32.66	10.65	43.30	63.10	-19.79
0.410	Peak	32.67	10.61	43.28	57.64	-14.36
0.751	Peak	29.46	10.64	40.10	56.00	-15.90
1.790	Peak	18.52	10.74	29.25	56.00	-26.75
13.695	Peak	23.71	11.05	34.75	60.00	-25.25

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8 PEAK OUTPUT POWER MEASUREMENT

8.1 Standard Applicable

8.1.1 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.

8.1.2 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.

8.1.3 ISCED

For systems using digital modulation in the 2400-2483.5 MHz bands, the limit for peak output power is 1Watt and the e.i.r.p. shall not exceed 4W.

Note:

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

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

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NSS = the number of independent spatial streams of data;

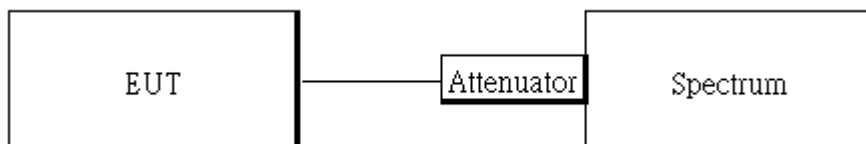
NANT = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

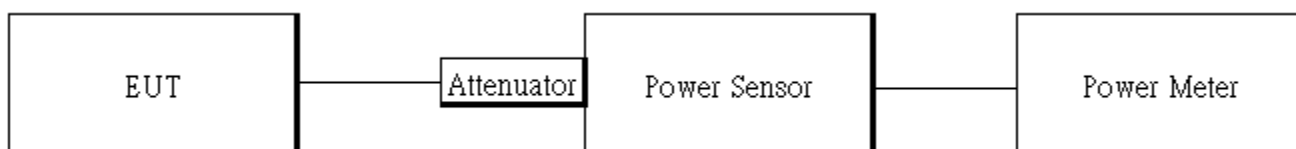
G_k is the gain in dBi of the kth antenna.

8.2 Test Setup

8.2.1 Duty Cycle



8.2.2 Output Power:



8.3 Measurement Procedure

8.3.1 Duty Cycle:

1. Set span = Zero
2. RBW = 8MHz
3. VBW = 8MHz,
4. Detector = Peak

8.3.2 Output Power

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter.

Power Meter:

It is used as the auxiliary test equipment to conduct the output power measurement.

4. Record the max. Reading as observed from Spectrum or Power Meter.
5. MIMO mode: offset is set with “measure and add 10 Log (N)” to measurement for MIMO mode. Offset = cable loss + 10 log (N), where N is number of transmitting antenna, cable loss is specified below.

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

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8.4 Measurement Result

8.4.1 Duty Cycle:

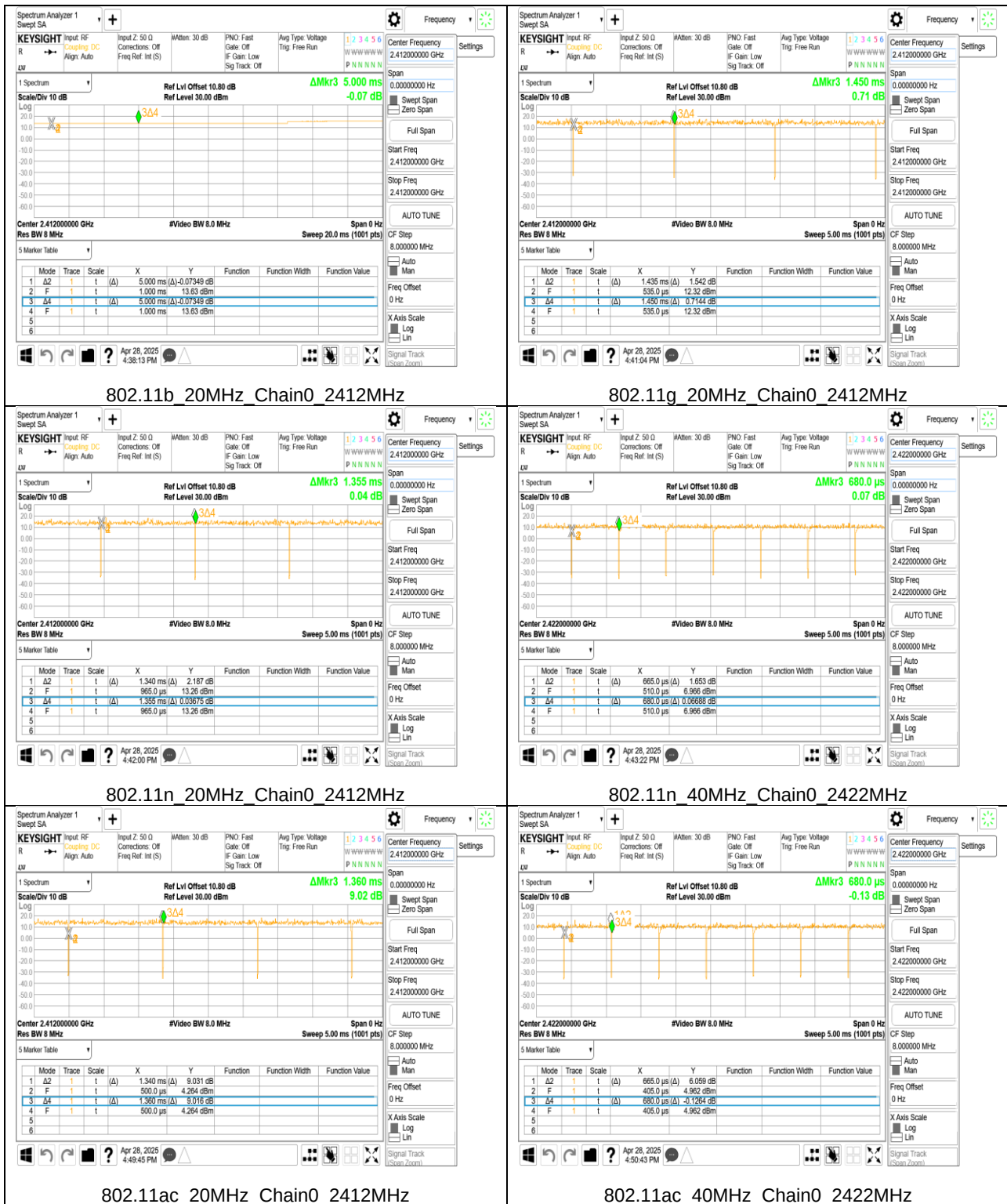
Mode		Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11b		100.00	0.00	0.00	0.01
802.11g		98.97	0.04	0.70	0.01
802.11n_20		98.89	0.05	0.75	0.01
802.11n_40		97.79	0.10	1.50	2.00
802.11ac_20		98.53	0.06	0.75	0.01
802.11ac_40		97.79	0.10	1.50	2.00
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	Full	98.82	0.05	0.75	0.01
	26 RU	82.42	0.84	0.74	1.00
	52 RU	82.42	0.84	0.74	1.00
	106 RU	82.42	0.84	0.74	1.00
802.11ax_40	Full	97.06	0.13	1.52	2.00
	242 RU	91.28	0.40	0.74	1.00

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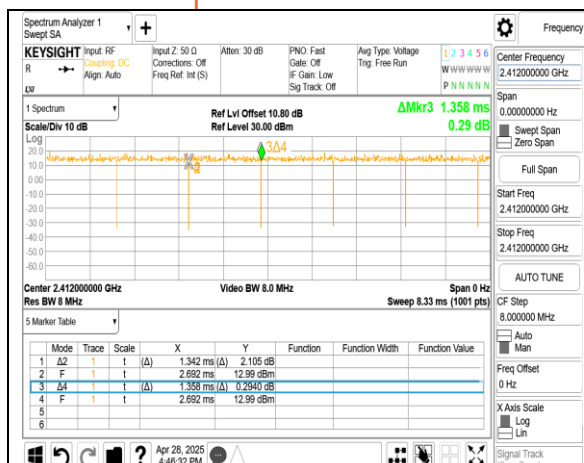
8.4.2 Duty Cycle test plots



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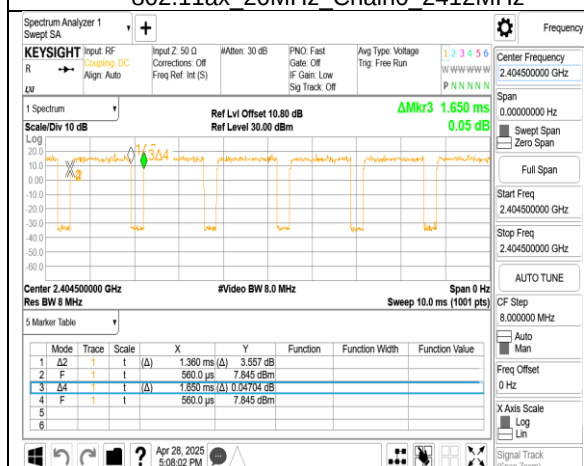
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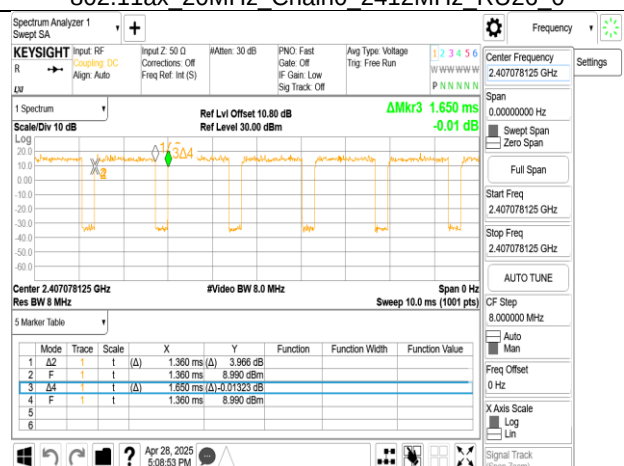
802.11ax 20MHz Chain0 2412MHz



802.11ax 20MHz Chain0 2412MHz RU26 0



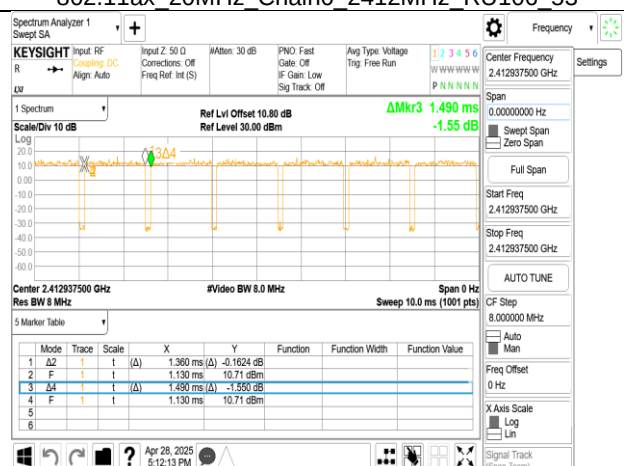
802.11ax 20MHz Chain0 2412MHz RU52 37



802.11ax 20MHz Chain0 2412MHz RU106 53



802.11ax 40MHz Chain0 2422MHz



802.11ax 40MHz Chain0 2422MHz RU242 61

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8.4.3 Output Power

802.11b Ch0							
CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	1	17	60.88	17.85	30.00	PASS
2	2417	1	19.5	104.23	20.18	30.00	PASS
6	2437	1	19.5	100.23	20.01	30.00	PASS
10	2457	1	19.5	103.04	20.13	30.00	PASS
11	2462	1	17	61.46	17.89	30.00	PASS
802.11b Ch0							
CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	1	17	36.39	15.61	30.00	PASS
2	2417	1	19.5	59.84	17.77	30.00	PASS
6	2437	1	19.5	58.21	17.65	30.00	PASS
10	2457	1	19.5	59.29	17.73	30.00	PASS
11	2462	1	17	36.48	15.62	30.00	PASS
802.11b Ch1							
CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	1	17	57.69	17.61	30.00	PASS
2	2417	1	19.5	102.57	20.11	30.00	PASS
6	2437	1	20	99.31	19.97	30.00	PASS
10	2457	1	19.5	100.69	20.03	30.00	PASS
11	2462	1	17	61.02	17.86	30.00	PASS
802.11b Ch1							
CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	1	17	35.74	15.53	30.00	PASS
2	2417	1	19.5	59.02	17.71	30.00	PASS
6	2437	1	20	57.94	17.63	30.00	PASS
10	2457	1	19.5	58.08	17.64	30.00	PASS
11	2462	1	17	35.48	15.50	30.00	PASS

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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	16.5	17.86	17.80	121.29	20.84	30.00	PASS
2	2417	1	19	20.10	19.61	193.74	22.87	30.00	PASS
6	2437	1	19	20.15	19.66	195.98	22.92	30.00	PASS
10	2457	1	19	20.06	19.55	191.55	22.82	30.00	PASS
11	2462	1	16.5	18.06	17.81	124.34	20.95	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	16.5	15.70	15.52	72.80	18.62	30.00	PASS
2	2417	1	19	17.68	17.37	113.19	20.54	30.00	PASS
6	2437	1	19	17.73	17.42	114.50	20.59	30.00	PASS
10	2457	1	19	17.66	17.33	112.42	20.51	30.00	PASS
11	2462	1	16.5	15.81	15.53	73.83	18.68	30.00	PASS

802.11g Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	6	12.5	153.64	21.87	30.00	PASS
2	2417	6	19.5	216.02	23.35	30.00	PASS
6	2437	6	19.5	223.10	23.49	30.00	PASS
8	2447	6	18.5	222.33	23.47	30.00	PASS
9	2452	6	18.5	205.12	23.12	30.00	PASS
10	2457	6	17	191.87	22.83	30.00	PASS
11	2462	6	12.5	151.98	21.82	30.00	PASS

802.11g Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	6	12.5	14.88	11.72	30.00	PASS
2	2417	6	19.5	73.37	18.65	30.00	PASS
6	2437	6	19.5	72.86	18.62	30.00	PASS
8	2447	6	18.5	74.05	18.69	30.00	PASS
9	2452	6	18.5	57.74	17.61	30.00	PASS
10	2457	6	17	42.32	16.26	30.00	PASS
11	2462	6	12.5	14.64	11.65	30.00	PASS

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802.11g Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	6	12.5	144.15	21.59	30.00	PASS
2	2417	6	19.5	202.58	23.07	30.00	PASS
6	2437	6	19.5	208.50	23.19	30.00	PASS
8	2447	6	19.5	209.41	23.21	30.00	PASS
9	2452	6	18.5	195.88	22.92	30.00	PASS
10	2457	6	17	185.35	22.68	30.00	PASS
11	2462	6	12.5	138.23	21.41	30.00	PASS

802.11g Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	6	12.5	14.17	11.51	30.00	PASS
2	2417	6	19.5	73.26	18.65	30.00	PASS
6	2437	6	19.5	70.88	18.50	30.00	PASS
8	2447	6	19.5	69.90	18.44	30.00	PASS
9	2452	6	18.5	54.39	17.35	30.00	PASS
10	2457	6	17	40.32	16.05	30.00	PASS
11	2462	6	12.5	14.05	11.48	30.00	PASS

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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	12.5	21.96	21.62	302.39	24.81	30.00	PASS
2	2417	6	19.5	23.44	23.16	427.47	26.31	30.00	PASS
6	2437	6	19.5	23.61	23.35	445.85	26.49	30.00	PASS
8	2447	6	19.5	23.54	23.27	438.27	26.42	30.00	PASS
9	2452	6	18.5	23.21	23.05	411.25	26.14	30.00	PASS
10	2457	6	17	22.98	22.77	387.84	25.89	30.00	PASS
11	2462	6	12.5	21.95	21.64	302.62	24.81	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	12.5	11.84	11.60	29.76	14.74	30.00	PASS
2	2417	6	19.5	18.72	18.60	146.95	21.67	30.00	PASS
6	2437	6	19.5	18.80	18.60	148.42	21.71	30.00	PASS
8	2447	6	19.5	18.75	18.52	146.28	21.65	30.00	PASS
9	2452	6	18.5	17.72	17.47	115.13	20.61	30.00	PASS
10	2457	6	17	16.35	16.14	84.36	19.26	30.00	PASS
11	2462	6	12.5	11.75	11.58	29.38	14.68	30.00	PASS

802.11n_HT_20M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	10.5	105.17	20.22	30.00	PASS
2	2417	MCS0	18.5	223.92	23.50	30.00	PASS
6	2437	MCS0	18.5	219.38	23.41	30.00	PASS
9	2452	MCS0	18.5	219.79	23.42	30.00	PASS
10	2457	MCS0	17	195.88	22.92	30.00	PASS
11	2462	MCS0	12.5	140.02	21.46	30.00	PASS

802.11n_HT_20M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	10.5	9.20	9.64	30.00	PASS
2	2417	MCS0	18.5	57.92	17.63	30.00	PASS
6	2437	MCS0	18.5	58.86	17.70	30.00	PASS
9	2452	MCS0	18.5	59.55	17.75	30.00	PASS
10	2457	MCS0	17	42.74	16.31	30.00	PASS
11	2462	MCS0	12.5	14.58	11.64	30.00	PASS

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802.11n_HT_20M Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	10.5	95.92	19.82	30.00	PASS
2	2417	MCS0	18.5	209.41	23.21	30.00	PASS
6	2437	MCS0	18.5	208.50	23.19	30.00	PASS
9	2452	MCS0	18.5	208.45	23.19	30.00	PASS
10	2457	MCS0	17	184.93	22.67	30.00	PASS
11	2462	MCS0	12.5	132.43	21.22	30.00	PASS

802.11n_HT_20M Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	10.5	9.18	9.63	30.00	PASS
2	2417	MCS0	18.5	55.93	17.48	30.00	PASS
6	2437	MCS0	18.5	56.18	17.50	30.00	PASS
9	2452	MCS0	18.5	56.73	17.54	30.00	PASS
10	2457	MCS0	17	41.10	16.14	30.00	PASS
11	2462	MCS0	12.5	13.93	11.44	30.00	PASS

802.11n_HT20M_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	10.5	20.29	19.93	205.35	23.12	30.00	PASS
2	2417	MCS0	18.5	23.57	23.26	438.94	26.42	30.00	PASS
6	2437	MCS0	18.5	23.55	23.30	440.46	26.44	30.00	PASS
9	2452	MCS0	18.5	23.49	23.25	434.71	26.38	30.00	PASS
10	2457	MCS0	17	22.97	22.73	385.65	25.86	30.00	PASS
11	2462	MCS0	12.5	21.59	21.26	278.00	24.44	30.00	PASS

802.11n_HT20M_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	10.5	9.95	9.58	18.97	12.78	30.00	PASS
2	2417	MCS0	18.5	17.77	17.65	118.01	20.72	30.00	PASS
6	2437	MCS0	18.5	17.88	17.62	119.24	20.76	30.00	PASS
9	2452	MCS0	18.5	17.82	17.57	117.64	20.71	30.00	PASS
10	2457	MCS0	17	16.37	16.19	84.91	19.29	30.00	PASS
11	2462	MCS0	12.5	11.73	11.64	29.51	14.70	30.00	PASS

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802.11n_HT_40M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	12	136.99	21.37	30.00	PASS
4	2427	MCS0	16.5	203.10	23.08	30.00	PASS
6	2437	MCS0	16.5	204.36	23.10	30.00	PASS
7	2442	MCS0	16.5	199.99	23.01	30.00	PASS
8	2447	MCS0	16.5	201.37	23.04	30.00	PASS
9	2452	MCS0	10.5	106.12	20.26	30.00	PASS

802.11n_HT_40M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	12	11.71	10.69	30.00	PASS
4	2427	MCS0	16.5	37.13	15.70	30.00	PASS
6	2437	MCS0	16.5	36.96	15.68	30.00	PASS
7	2442	MCS0	16.5	38.08	15.81	30.00	PASS
8	2447	MCS0	16.5	37.64	15.76	30.00	PASS
9	2452	MCS0	10.5	9.18	9.63	30.00	PASS

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802.11n_HT_40M Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	12	126.27	21.01	30.00	PASS
4	2427	MCS0	16.5	196.38	22.93	30.00	PASS
6	2437	MCS0	16.5	194.36	22.89	30.00	PASS
7	2442	MCS0	16.5	191.43	22.82	30.00	PASS
8	2447	MCS0	16.5	200.68	23.03	30.00	PASS
9	2452	MCS0	10.5	102.02	20.09	30.00	PASS

802.11n_HT_40M Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	12	11.20	10.49	30.00	PASS
4	2427	MCS0	16.5	35.87	15.55	30.00	PASS
6	2437	MCS0	16.5	36.90	15.67	30.00	PASS
7	2442	MCS0	16.5	34.97	15.44	30.00	PASS
8	2447	MCS0	16.5	36.20	15.59	30.00	PASS
9	2452	MCS0	10.5	8.93	9.51	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	11.5	21.38	21.06	264.83	24.23	30.00	PASS
4	2427	MCS0	16.5	23.14	23.04	407.25	26.10	30.00	PASS
6	2437	MCS0	16.5	23.11	22.95	401.89	26.04	30.00	PASS
7	2442	MCS0	16.5	23.06	22.89	396.84	25.99	30.00	PASS
8	2447	MCS0	16.5	23.27	23.03	412.95	26.16	30.00	PASS
9	2452	MCS0	10.5	20.36	20.14	212.09	23.27	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	11.5	10.84	10.55	23.48	13.71	30.00	PASS
4	2427	MCS0	16.5	15.96	15.60	75.67	18.79	30.00	PASS
6	2437	MCS0	16.5	15.92	15.55	74.95	18.75	30.00	PASS
7	2442	MCS0	16.5	15.87	15.50	74.07	18.70	30.00	PASS
8	2447	MCS0	16.5	16.00	15.63	76.37	18.83	30.00	PASS
9	2452	MCS0	10.5	9.77	9.60	18.60	12.69	30.00	PASS

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802.11ac_VHT_20M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	10.5	97.32	19.88	30.00	PASS
2	2417	MCS0	18.5	214.63	23.32	30.00	PASS
6	2437	MCS0	18.5	220.04	23.43	30.00	PASS
9	2452	MCS0	18.5	217.27	23.37	30.00	PASS
10	2457	MCS0	17	193.64	22.87	30.00	PASS
11	2462	MCS0	12.5	131.31	21.18	30.00	PASS

802.11ac_VHT_20M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	10.5	9.15	9.61	30.00	PASS
2	2417	MCS0	18.5	56.68	17.53	30.00	PASS
6	2437	MCS0	18.5	58.27	17.65	30.00	PASS
9	2452	MCS0	18.5	57.87	17.62	30.00	PASS
10	2457	MCS0	17	42.50	16.28	30.00	PASS
11	2462	MCS0	12.5	14.24	11.53	30.00	PASS

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802.11ac_VHT_20M Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	10.5	86.16	19.35	30.00	PASS
2	2417	MCS0	18.5	205.83	23.14	30.00	PASS
6	2437	MCS0	18.5	200.22	23.02	30.00	PASS
9	2452	MCS0	18.5	206.06	23.14	30.00	PASS
10	2457	MCS0	17	182.81	22.62	30.00	PASS
11	2462	MCS0	12.5	123.77	20.93	30.00	PASS

802.11ac_VHT_20M Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	10.5	8.81	9.45	30.00	PASS
2	2417	MCS0	18.5	56.15	17.49	30.00	PASS
6	2437	MCS0	18.5	55.86	17.47	30.00	PASS
9	2452	MCS0	18.5	56.03	17.48	30.00	PASS
10	2457	MCS0	17	40.50	16.07	30.00	PASS
11	2462	MCS0	12.5	13.77	11.39	30.00	PASS

802.11ac_VHT20M_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	10.5	20.02	19.49	189.36	22.77	30.00	PASS
2	2417	MCS0	18.5	23.38	23.15	424.02	26.27	30.00	PASS
6	2437	MCS0	18.5	23.55	23.19	434.67	26.38	30.00	PASS
9	2452	MCS0	18.5	23.42	23.20	428.72	26.32	30.00	PASS
10	2457	MCS0	17	22.92	22.68	381.24	25.81	30.00	PASS
11	2462	MCS0	12.5	21.24	21.10	261.78	24.18	30.00	PASS

802.11ac_VHT20M_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	10.5	9.83	9.54	18.63	12.70	30.00	PASS
2	2417	MCS0	18.5	17.61	17.38	112.49	20.51	30.00	PASS
6	2437	MCS0	18.5	17.70	17.49	115.10	20.61	30.00	PASS
9	2452	MCS0	18.5	17.79	17.53	116.86	20.68	30.00	PASS
10	2457	MCS0	17	16.33	16.14	84.15	19.25	30.00	PASS
11	2462	MCS0	12.5	11.59	11.47	28.43	14.54	30.00	PASS

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802.11ac_VHT_40M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	12	130.23	21.15	30.00	PASS
4	2427	MCS0	17	197.61	22.96	30.00	PASS
6	2437	MCS0	17	198.56	22.98	30.00	PASS
7	2442	MCS0	17	195.88	22.92	30.00	PASS
8	2447	MCS0	17	195.79	22.92	30.00	PASS
9	2452	MCS0	10.5	106.64	20.28	30.00	PASS

802.11ac_VHT_40M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	12	11.53	10.62	30.00	PASS
4	2427	MCS0	17	36.87	15.67	30.00	PASS
6	2437	MCS0	17	37.13	15.70	30.00	PASS
7	2442	MCS0	17	37.39	15.73	30.00	PASS
8	2447	MCS0	17	37.04	15.69	30.00	PASS
9	2452	MCS0	10.5	9.11	9.60	30.00	PASS

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802.11ac_VHT_40M Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	12	122.10	20.87	30.00	PASS
4	2427	MCS0	17	192.40	22.84	30.00	PASS
6	2437	MCS0	17	197.92	22.97	30.00	PASS
7	2442	MCS0	17	188.36	22.75	30.00	PASS
8	2447	MCS0	17	193.51	22.87	30.00	PASS
9	2452	MCS0	10.5	103.85	20.16	30.00	PASS

802.11ac_VHT_40M Ch1

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	12	11.27	10.52	30.00	PASS
4	2427	MCS0	17	35.79	15.54	30.00	PASS
6	2437	MCS0	17	35.54	15.51	30.00	PASS
7	2442	MCS0	17	34.41	15.37	30.00	PASS
8	2447	MCS0	17	35.23	15.47	30.00	PASS
9	2452	MCS0	10.5	8.84	9.47	30.00	PASS

802.11ac_VHT40M_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	11.5	21.24	21.12	262.55	24.19	30.00	PASS
4	2427	MCS0	16.5	23.01	22.87	393.41	25.95	30.00	PASS
6	2437	MCS0	16.5	23.09	23.06	405.96	26.08	30.00	PASS
7	2442	MCS0	16.5	23.01	22.82	391.41	25.93	30.00	PASS
8	2447	MCS0	16.5	23.01	22.94	396.73	25.98	30.00	PASS
9	2452	MCS0	10.5	20.44	20.11	213.27	23.29	30.00	PASS

802.11ac_VHT40M_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	11.5	10.70	10.57	23.13	13.64	30.00	PASS
4	2427	MCS0	16.5	15.72	15.54	73.19	18.64	30.00	PASS
6	2437	MCS0	16.5	15.77	15.63	74.28	18.71	30.00	PASS
7	2442	MCS0	16.5	15.82	15.44	73.14	18.64	30.00	PASS
8	2447	MCS0	16.5	15.80	15.51	73.54	18.67	30.00	PASS
9	2452	MCS0	10.5	9.66	9.55	18.26	12.62	30.00	PASS

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802.11ax_HE_20M Ch0

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	full	11	96.03	19.82	30.00	PASS
			26/0	13.5	110.46	20.43	30.00	PASS
			52/37	13.5	112.00	20.49	30.00	PASS
			106/53	13.5	108.04	20.34	30.00	PASS
2	2417	MCS0	full	18.5	208.50	23.19	30.00	PASS
6	2437	MCS0	full	18.5	213.99	23.30	30.00	PASS
10	2457	MCS0	full	16	181.55	22.59	30.00	PASS
11	2462	MCS0	full	13	134.93	21.30	30.00	PASS
			26/8	15.5	111.05	20.46	30.00	PASS
			52/40	15.5	109.24	20.38	30.00	PASS
			106/54	15.5	107.45	20.31	30.00	PASS

802.11ax_HE_20M Ch0

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	full	11	9.12	9.60	30.00	PASS
			26/0	13.5	8.65	9.37	30.00	PASS
			52/37	13.5	8.92	9.50	30.00	PASS
			106/53	13.5	8.57	9.33	30.00	PASS
2	2417	MCS0	full	18.5	58.10	17.64	30.00	PASS
6	2437	MCS0	full	18.5	56.51	17.52	30.00	PASS
10	2457	MCS0	full	16	34.21	15.34	30.00	PASS
11	2462	MCS0	full	13	14.66	11.66	30.00	PASS
			26/8	15.5	14.26	11.54	30.00	PASS
			52/40	15.5	14.05	11.48	30.00	PASS
			106/54	15.5	13.93	11.44	30.00	PASS

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802.11ax_HE_20M Ch1

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	full	11	92.21	19.65	30.00	PASS
			26/0	13.5	102.83	20.12	30.00	PASS
			52/37	13.5	106.05	20.26	30.00	PASS
			106/53	13.5	101.95	20.08	30.00	PASS
2	2417	MCS0	full	18.5	199.71	23.00	30.00	PASS
6	2437	MCS0	full	18.5	206.92	23.16	30.00	PASS
10	2457	MCS0	full	16	173.78	22.40	30.00	PASS
11	2462	MCS0	full	13	129.15	21.11	30.00	PASS
			26/8	15.5	107.72	20.32	30.00	PASS
			52/40	15.5	104.59	20.20	30.00	PASS
			106/54	15.5	104.93	20.21	30.00	PASS

802.11ax_HE_20M Ch1

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	full	11	8.81	9.45	30.00	PASS
			26/0	13.5	8.45	9.27	30.00	PASS
			52/37	13.5	8.67	9.38	30.00	PASS
			106/53	13.5	8.23	9.16	30.00	PASS
2	2417	MCS0	full	18.5	55.48	17.44	30.00	PASS
6	2437	MCS0	full	18.5	57.83	17.62	30.00	PASS
10	2457	MCS0	full	16	32.22	15.08	30.00	PASS
11	2462	MCS0	full	13	14.16	11.51	30.00	PASS
			26/8	15.5	13.39	11.27	30.00	PASS
			52/40	15.5	13.30	11.24	30.00	PASS
			106/54	15.5	13.08	11.17	30.00	PASS

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802.11ax_HE20M_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	full	10.5	20.09	19.76	196.72	22.94	30.00	PASS
			26/0	13	20.53	20.25	218.90	23.40	30.00	PASS
			52/37	13	20.55	20.29	220.41	23.43	30.00	PASS
			106/53	13	20.47	20.19	215.90	23.34	30.00	PASS
2	2417	MCS0	full	18.5	23.46	23.28	434.63	26.38	30.00	PASS
6	2437	MCS0	full	18.5	23.50	23.34	439.65	26.43	30.00	PASS
10	2457	MCS0	full	16	22.64	22.46	359.85	25.56	30.00	PASS
11	2462	MCS0	full	12.5	21.45	21.33	275.47	24.40	30.00	PASS
			26/8	15	20.54	20.35	221.63	23.46	30.00	PASS
			52/40	15	20.49	20.30	219.10	23.41	30.00	PASS
			106/54	15	20.43	20.24	216.09	23.35	30.00	PASS

802.11ax_HE20M_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	full	10.5	9.71	9.71	18.70	12.72	30.00	PASS
			26/0	13	9.53	9.37	17.62	12.46	30.00	PASS
			52/37	13	9.59	9.44	17.89	12.53	30.00	PASS
			106/53	13	9.48	9.33	17.44	12.42	30.00	PASS
2	2417	MCS0	full	18.5	17.79	17.50	116.41	20.66	30.00	PASS
6	2437	MCS0	full	18.5	17.79	17.61	117.71	20.71	30.00	PASS
10	2457	MCS0	full	16	15.40	15.15	67.43	18.29	30.00	PASS
11	2462	MCS0	full	12.5	11.78	11.67	29.76	14.74	30.00	PASS
			26/8	15	11.58	11.38	28.13	14.49	30.00	PASS
			52/40	15	11.54	11.33	27.84	14.45	30.00	PASS
			106/54	15	11.48	11.26	27.42	14.38	30.00	PASS

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802.11ax_HE_40M Ch0

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	full	12	125.89	21.00	30.00	PASS
			242/61	13.5	106.17	20.26	30.00	PASS
4	2427	MCS0	full	16.5	198.29	22.97	30.00	PASS
6	2437	MCS0	full	16.5	195.48	22.91	30.00	PASS
8	2447	MCS0	full	15	178.65	22.52	30.00	PASS
9	2452	MCS0	full	12	103.63	20.16	30.00	PASS
			242/62	11.5	79.73	19.02	30.00	PASS

802.11ax_HE_40M Ch0

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	full	12	11.75	10.70	30.00	PASS
			242/61	13.5	11.65	10.66	30.00	PASS
4	2427	MCS0	full	16.5	37.58	15.75	30.00	PASS
6	2437	MCS0	full	16.5	36.72	15.65	30.00	PASS
8	2447	MCS0	full	15	27.10	14.33	30.00	PASS
9	2452	MCS0	full	12	9.27	9.67	30.00	PASS
			242/62	11.5	5.90	7.71	30.00	PASS

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802.11ax_HE_40M Ch1

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	full	12	119.59	20.78	30.00	PASS
			242/61	13.5	105.46	20.23	30.00	PASS
4	2427	MCS0	full	16.5	191.21	22.82	30.00	PASS
6	2437	MCS0	full	16.5	190.59	22.80	30.00	PASS
8	2447	MCS0	full	15	172.58	22.37	30.00	PASS
9	2452	MCS0	full	12	95.02	19.78	30.00	PASS
			242/62	11.5	74.25	18.71	30.00	PASS

802.11ax_HE_40M Ch1

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	full	12	11.30	10.53	30.00	PASS
			242/61	13.5	11.05	10.43	30.00	PASS
4	2427	MCS0	full	16.5	36.00	15.56	30.00	PASS
6	2437	MCS0	full	16.5	36.14	15.58	30.00	PASS
8	2447	MCS0	full	15	25.70	14.10	30.00	PASS
9	2452	MCS0	full	12	8.94	9.51	30.00	PASS
			242/62	11.5	5.67	7.54	30.00	PASS

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802.11ax_HE40M_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	full	11.5	21.17	20.95	255.37	24.07	30.00	PASS
			242/61	13	20.44	20.26	216.83	23.36	30.00	PASS
4	2427	MCS0	full	16.5	23.14	22.99	405.13	26.08	30.00	PASS
6	2437	MCS0	full	16.5	23.07	22.92	398.65	26.01	30.00	PASS
8	2447	MCS0	full	15	22.57	22.43	355.70	25.51	30.00	PASS
9	2452	MCS0	full	12.5	20.29	19.98	206.45	23.15	30.00	PASS
			242/62	11	19.04	18.87	157.26	21.97	30.00	PASS

802.11ax_HE40M_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	full	11.5	10.83	10.73	23.93	13.79	30.00	PASS
			242/61	13	10.75	10.51	23.11	13.64	30.00	PASS
4	2427	MCS0	full	16.5	15.93	15.58	75.32	18.77	30.00	PASS
6	2437	MCS0	full	16.5	15.87	15.54	74.44	18.72	30.00	PASS
8	2447	MCS0	full	15	14.37	14.16	53.41	17.28	30.00	PASS
9	2452	MCS0	full	12.5	9.97	9.67	19.21	12.83	30.00	PASS
			242/62	11	7.76	7.58	11.69	10.68	30.00	PASS

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8.4.4 EIRP

802.11b Ch0									
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT		
1	2412	1	15.61	4.60	20.21	36	PASS		
2	2417	1	17.77	4.60	22.37	36	PASS		
6	2437	1	17.65	4.60	22.25	36	PASS		
10	2457	1	17.73	4.60	22.33	36	PASS		
11	2462	1	15.62	4.60	20.22	36	PASS		
802.11b Ch1									
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT		
1	2412	1	15.53	3.70	19.23	36	PASS		
2	2417	1	17.71	3.70	21.41	36	PASS		
6	2437	1	17.63	3.70	21.33	36	PASS		
10	2457	1	17.64	3.70	21.34	36	PASS		
11	2462	1	15.50	3.70	19.20	36	PASS		
802.11b_2TX									
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)		Total Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
			Ch0	Ch1					
1	2412	1	15.70	15.52	18.62	4.17	22.79	36	PASS
2	2417	1	17.68	17.37	20.54	4.17	24.71	36	PASS
6	2437	1	17.73	17.42	20.59	4.17	24.76	36	PASS
10	2457	1	17.66	17.33	20.51	4.17	24.68	36	PASS
11	2462	1	15.81	15.53	18.68	4.17	22.86	36	PASS

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802.11g Ch0

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
1	2412	6	11.72	4.60	16.32	36	PASS
2	2417	6	18.65	4.60	23.25	36	PASS
6	2437	6	18.62	4.60	23.22	36	PASS
8	2447	6	18.69	4.60	23.29	36	PASS
9	2452	6	17.61	4.60	22.21	36	PASS
10	2457	6	16.26	4.60	20.86	36	PASS
11	2462	6	11.65	4.60	16.25	36	PASS

802.11g Ch1

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
1	2412	6	11.51	3.70	15.21	36	PASS
2	2417	6	18.65	3.70	22.35	36	PASS
6	2437	6	18.50	3.70	22.20	36	PASS
8	2447	6	18.44	3.70	22.14	36	PASS
9	2452	6	17.35	3.70	21.05	36	PASS
10	2457	6	16.05	3.70	19.75	36	PASS
11	2462	6	11.48	3.70	15.18	36	PASS

802.11g_2TX

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)		Total Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
			Ch0	Ch1					
1	2412	6	11.84	11.60	14.74	4.17	18.91	36	PASS
2	2417	6	18.72	18.60	21.67	4.17	25.84	36	PASS
6	2437	6	18.80	18.60	21.71	4.17	25.89	36	PASS
8	2447	6	18.75	18.52	21.65	4.17	25.83	36	PASS
9	2452	6	17.72	17.47	20.61	4.17	24.79	36	PASS
10	2457	6	16.35	16.14	19.26	4.17	23.43	36	PASS
11	2462	6	11.75	11.58	14.68	4.17	18.85	36	PASS

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802.11n_HT_20M Ch0

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	9.64	4.60	14.24	36	PASS
2	2417	MCS0	17.63	4.60	22.23	36	PASS
6	2437	MCS0	17.70	4.60	22.30	36	PASS
9	2452	MCS0	17.75	4.60	22.35	36	PASS
10	2457	MCS0	16.31	4.60	20.91	36	PASS
11	2462	MCS0	11.64	4.60	16.24	36	PASS

802.11n_HT_20M Ch1

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	9.63	3.70	13.33	36	PASS
2	2417	MCS0	17.48	3.70	21.18	36	PASS
6	2437	MCS0	17.50	3.70	21.20	36	PASS
9	2452	MCS0	17.54	3.70	21.24	36	PASS
10	2457	MCS0	16.14	3.70	19.84	36	PASS
11	2462	MCS0	11.44	3.70	15.14	36	PASS

802.11n_HT20M_2TX

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)		Total Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
			Ch0	Ch1					
1	2412	MCS0	9.95	9.58	12.78	4.17	16.96	36	PASS
2	2417	MCS0	17.77	17.65	20.72	4.17	24.89	36	PASS
6	2437	MCS0	17.88	17.62	20.76	4.17	24.94	36	PASS
9	2452	MCS0	17.82	17.57	20.71	4.17	24.88	36	PASS
10	2457	MCS0	16.37	16.19	19.29	4.17	23.46	36	PASS
11	2462	MCS0	11.73	11.64	14.70	4.17	18.87	36	PASS

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802.11n_HT_40M Ch0

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	10.69	4.60	15.29	36	PASS
4	2427	MCS0	15.70	4.60	20.30	36	PASS
6	2437	MCS0	15.68	4.60	20.28	36	PASS
7	2442	MCS0	15.81	4.60	20.41	36	PASS
8	2447	MCS0	15.76	4.60	20.36	36	PASS
9	2452	MCS0	9.63	4.60	14.23	36	PASS

802.11n_HT_40M Ch1

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	10.49	3.70	14.19	36	PASS
4	2427	MCS0	15.55	3.70	19.25	36	PASS
6	2437	MCS0	15.67	3.70	19.37	36	PASS
7	2442	MCS0	15.44	3.70	19.14	36	PASS
8	2447	MCS0	15.59	3.70	19.29	36	PASS
9	2452	MCS0	9.51	3.70	13.21	36	PASS

802.11n_HT40M_2TX

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)		Total Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
			Ch0	Ch1					
3	2422	MCS0	10.84	10.55	13.71	4.17	17.88	36	PASS
4	2427	MCS0	15.96	15.60	18.79	4.17	22.96	36	PASS
6	2437	MCS0	15.92	15.55	18.75	4.17	22.92	36	PASS
7	2442	MCS0	15.87	15.50	18.70	4.17	22.87	36	PASS
8	2447	MCS0	16.00	15.63	18.83	4.17	23.00	36	PASS
9	2452	MCS0	9.77	9.60	12.69	4.17	16.87	36	PASS

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802.11ac_VHT_20M Ch0

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	9.61	4.60	14.21	36	PASS
2	2417	MCS0	17.53	4.60	22.13	36	PASS
6	2437	MCS0	17.65	4.60	22.25	36	PASS
9	2452	MCS0	17.62	4.60	22.22	36	PASS
10	2457	MCS0	16.28	4.60	20.88	36	PASS
11	2462	MCS0	11.53	4.60	16.13	36	PASS

802.11ac_VHT_20M Ch1

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	9.45	3.70	13.15	36	PASS
2	2417	MCS0	17.49	3.70	21.19	36	PASS
6	2437	MCS0	17.47	3.70	21.17	36	PASS
9	2452	MCS0	17.48	3.70	21.18	36	PASS
10	2457	MCS0	16.07	3.70	19.77	36	PASS
11	2462	MCS0	11.39	3.70	15.09	36	PASS

802.11ac_VHT20M_2TX

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)		Total Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
			Ch0	Ch1					
1	2412	MCS0	9.83	9.54	12.70	4.17	16.88	36	PASS
2	2417	MCS0	17.61	17.38	20.51	4.17	24.68	36	PASS
6	2437	MCS0	17.70	17.49	20.61	4.17	24.78	36	PASS
9	2452	MCS0	17.79	17.53	20.68	4.17	24.85	36	PASS
10	2457	MCS0	16.33	16.14	19.25	4.17	23.42	36	PASS
11	2462	MCS0	11.59	11.47	14.54	4.17	18.71	36	PASS

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802.11ac_VHT_40M Ch0

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	10.62	4.60	15.22	36	PASS
4	2427	MCS0	15.67	4.60	20.27	36	PASS
6	2437	MCS0	15.70	4.60	20.30	36	PASS
7	2442	MCS0	15.73	4.60	20.33	36	PASS
8	2447	MCS0	15.69	4.60	20.29	36	PASS
9	2452	MCS0	9.60	4.60	14.20	36	PASS

802.11ac_VHT_40M Ch1

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	10.52	3.70	14.22	36	PASS
4	2427	MCS0	15.54	3.70	19.24	36	PASS
6	2437	MCS0	15.51	3.70	19.21	36	PASS
7	2442	MCS0	15.37	3.70	19.07	36	PASS
8	2447	MCS0	15.47	3.70	19.17	36	PASS
9	2452	MCS0	9.47	3.70	13.17	36	PASS

802.11ac_VHT40M_2TX

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)		Total Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
			Ch0	Ch1					
3	2422	MCS0	10.70	10.57	13.64	4.17	17.81	36	PASS
4	2427	MCS0	15.72	15.54	18.64	4.17	22.82	36	PASS
6	2437	MCS0	15.77	15.63	18.71	4.17	22.88	36	PASS
7	2442	MCS0	15.82	15.44	18.64	4.17	22.81	36	PASS
8	2447	MCS0	15.80	15.51	18.67	4.17	22.84	36	PASS
9	2452	MCS0	9.66	9.55	12.62	4.17	16.79	36	PASS

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802.11ax_HE_20M Ch0

CH	Freq. (MHz)	Data Rate	RU Config	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit	RESULT
1	2412	MCS0	full	9.60	4.60	14.20	36	PASS
			26/0	9.37	4.60	13.97	36	PASS
			52/37	9.50	4.60	14.10	36	PASS
			106/53	9.33	4.60	13.93	36	PASS
2	2417	MCS0	full	17.64	4.60	22.24	36	PASS
6	2437	MCS0	full	17.52	4.60	22.12	36	PASS
10	2457	MCS0	full	15.34	4.60	19.94	36	PASS
11	2462	MCS0	full	11.66	4.60	16.26	36	PASS
			26/8	11.54	4.60	16.14	36	PASS
			52/40	11.48	4.60	16.08	36	PASS
			106/54	11.44	4.60	16.04	36	PASS

802.11ax_HE_20M Ch1

CH	Freq. (MHz)	Data Rate	RU Config	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit	RESULT
1	2412	MCS0	full	9.45	3.70	13.15	36	PASS
			26/0	9.27	3.70	12.97	36	PASS
			52/37	9.38	3.70	13.08	36	PASS
			106/53	9.16	3.70	12.86	36	PASS
2	2417	MCS0	full	17.44	3.70	21.14	36	PASS
6	2437	MCS0	full	17.62	3.70	21.32	36	PASS
10	2457	MCS0	full	15.08	3.70	18.78	36	PASS
11	2462	MCS0	full	11.51	3.70	15.21	36	PASS
			26/8	11.27	3.70	14.97	36	PASS
			52/40	11.24	3.70	14.94	36	PASS
			106/54	11.17	3.70	14.87	36	PASS

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802.11ax_HE20M_2TX

CH	Freq. (MHz)	Data Rate	RU Config	Avg. Output Power (dBm)		Total Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit	RESULT
				Ch0	Ch1					
1	2412	MCS0	full	9.71	9.71	12.72	4.17	16.89	36	PASS
			26/0	9.53	9.37	12.46	4.17	16.63	36	PASS
			52/37	9.59	9.44	12.53	4.17	16.70	36	PASS
			106/53	9.48	9.33	12.42	4.17	16.59	36	PASS
2	2417	MCS0	full	17.79	17.50	20.66	4.17	24.83	36	PASS
6	2437	MCS0	full	17.79	17.61	20.71	4.17	24.88	36	PASS
10	2457	MCS0	full	15.40	15.15	18.29	4.17	22.46	36	PASS
11	2462	MCS0	full	11.78	11.67	14.74	4.17	18.91	36	PASS
			26/8	11.58	11.38	14.49	4.17	18.66	36	PASS
			52/40	11.54	11.33	14.45	4.17	18.62	36	PASS
			106/54	11.48	11.26	14.38	4.17	18.55	36	PASS

802.11ax_HE_40M_Ch0

CH	Freq. (MHz)	Data Rate	RU Config	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit	RESULT
3	2422	MCS0	full	10.70	4.60	15.30	36	PASS
			242/61	10.66	4.60	15.26	36	PASS
4	2427	MCS0	full	15.75	4.60	20.35	36	PASS
6	2437	MCS0	full	15.65	4.60	20.25	36	PASS
8	2447	MCS0	full	14.33	4.60	18.93	36	PASS
9	2452	MCS0	full	9.67	4.60	14.27	36	PASS
			242/62	7.71	4.60	12.31	36	PASS

802.11ax_HE_40M_Ch1

CH	Freq. (MHz)	Data Rate	RU Config	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit	RESULT
3	2422	MCS0	full	10.53	3.70	14.23	36	PASS
			242/61	10.43	3.70	14.13	36	PASS
4	2427	MCS0	full	15.56	3.70	19.26	36	PASS
6	2437	MCS0	full	15.58	3.70	19.28	36	PASS
8	2447	MCS0	full	14.10	3.70	17.80	36	PASS
9	2452	MCS0	full	9.51	3.70	13.21	36	PASS
			242/62	7.54	3.70	11.24	36	PASS

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802.11ax_HE40M_2TX

CH	Freq. (MHz)	Data Rate	RU Config	Avg. Output Power (dBm)		Total Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit	RESULT
				Ch0	Ch1					
3	2422	MCS0	full	10.83	10.73	13.79	4.17	17.96	36	PASS
			242/61	10.75	10.51	13.64	4.17	17.81	36	PASS
4	2427	MCS0	full	15.93	15.58	18.77	4.17	22.94	36	PASS
6	2437	MCS0	full	15.87	15.54	18.72	4.17	22.89	36	PASS
8	2447	MCS0	full	14.37	14.16	17.28	4.17	21.45	36	PASS
9	2452	MCS0	full	9.97	9.67	12.83	4.17	17.01	36	PASS
			242/62	7.76	7.58	10.68	4.17	14.85	36	PASS

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9 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

9.1 Standard Applicable

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 §15.209 and RSS-Gen §8.9 Table 5 and 6 limit as below.

And according to §15.33(a) (1) & RSS-Gen §6.13.2.a, for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, 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:

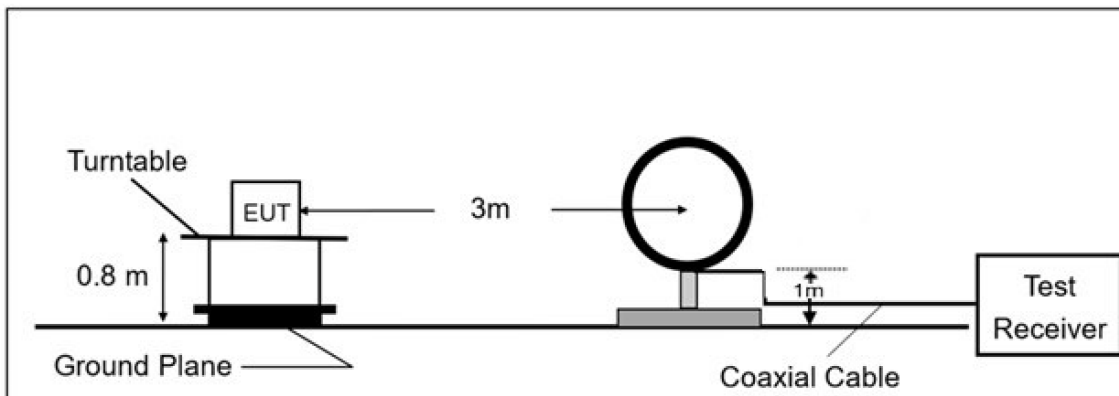
1. The lower limit shall apply at the transition frequencies.

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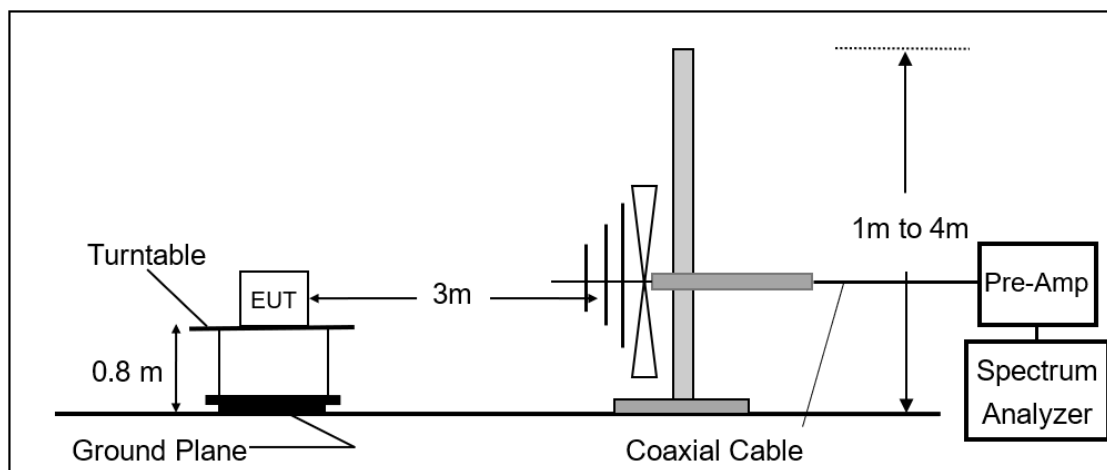
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9.2 Test Setup

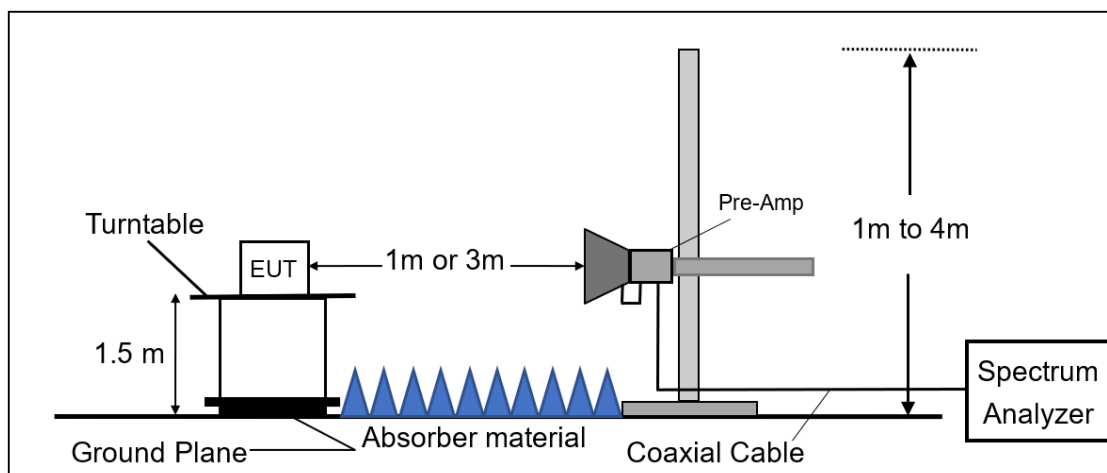
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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9.3 Measurement Procedure

1. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
2. The EUT was placed on a turn table with 0.8m for frequency < 1GHz and 1.5m for frequency > 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz.
6. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz, Detector= Peak for Maximum Emission Measurements at frequency above 1 GHz.
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 $\geq 1/T$ when $D < 98\%$ for Average Emission Measurements at frequency above 1 GHz.
10. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.
11. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
12. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
13. Repeat above procedures until all default test channel measured were complete.

9.4 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

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$$FS = RA + AF + CL - AG$$

Where *FS = Field Strength*

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

The limit of the emission level is expressed in dBuV/m, which converts $20 \cdot \log(uV/m)$

Actual FS(dBμV/m) = SPA. Reading level(dBμV) + Factor(dB)

Factor(dB) = Antenna Factor(dB/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

9.5 Test Results of Radiated Spurious Emissions from 9 kHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

9.6 Measurement Result

Note:

1. Refer to next page spectrum analyzer data chart and tabular data sheets.
2. Measurements are completed at peak and average level, the mark of average is the highest emission in restricted bands

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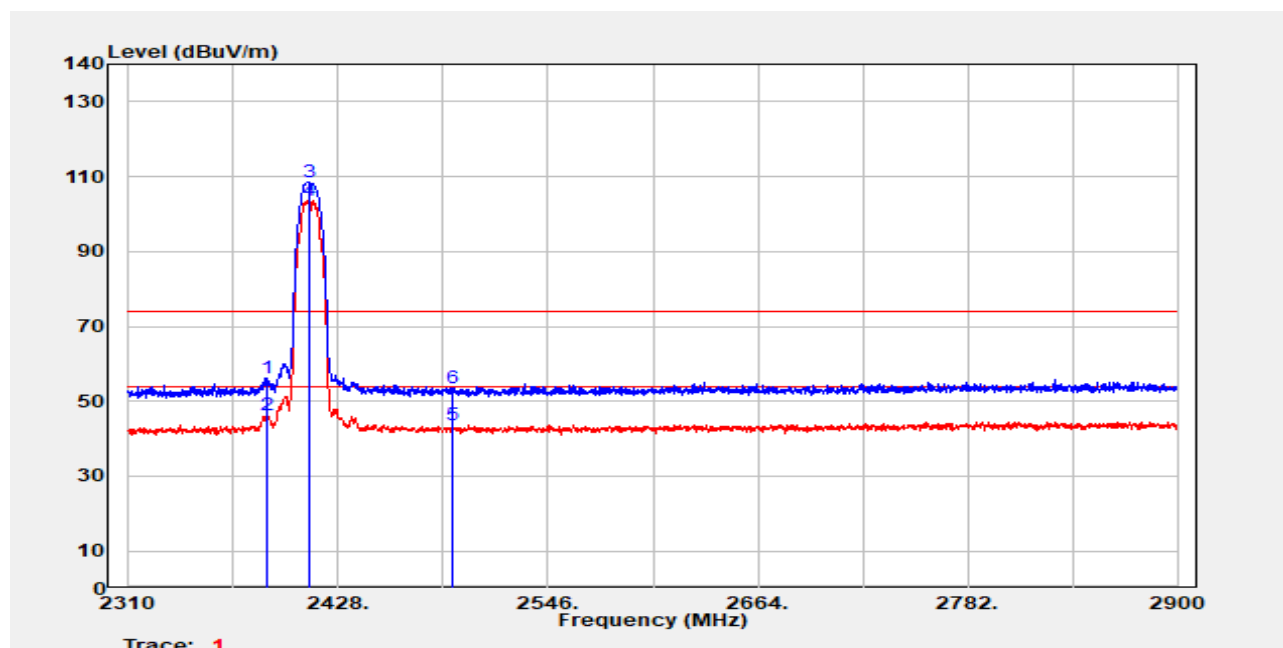
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9.6.1 Radiated Band Edge Measurement Result

Report Number :TERF2503001061E2
Operation Mode :802.11b
Test Frequency :2412 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-05-29
Temp./Humi. :20°C/56%
Antenna Pol. :Vertical
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
2387.51	Peak	53.41	2.93	56.34	74.00	-17.66
2387.91	Average	43.23	2.93	46.16	54.00	-7.84
2412.00	Peak	105.70	2.91	108.61	-	-
2412.00	Average	100.79	2.91	103.70	-	-
2491.78	Average	40.50	3.00	43.50	54.00	-10.50
2491.98	Peak	50.49	3.00	53.49	74.00	-20.51

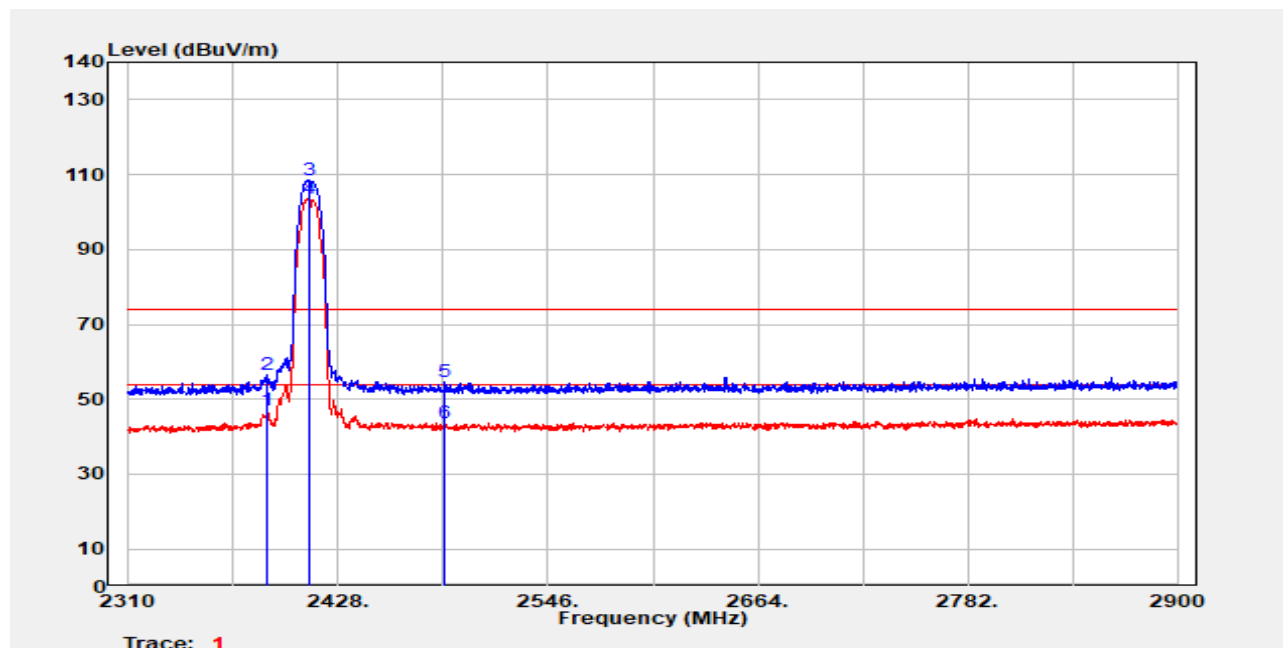
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Report Number :TERF2503001061E2
 Operation Mode :802.11b
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



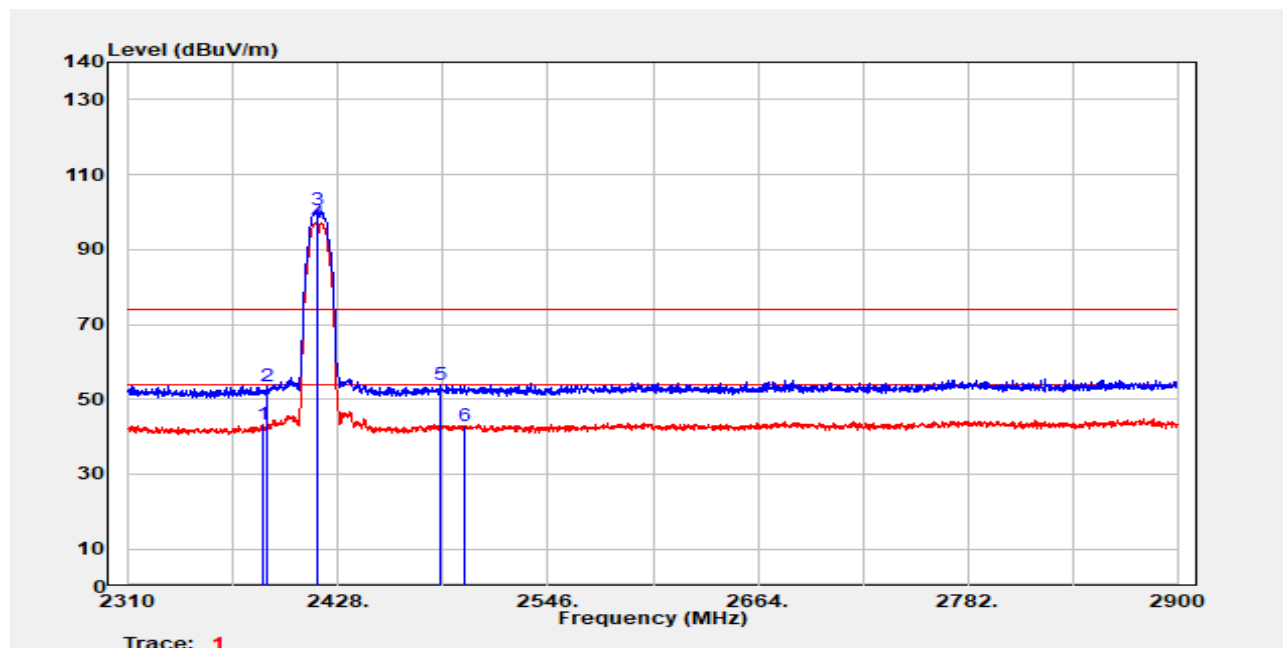
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2387.71	Average	44.17	2.93	47.10	54.00	-6.90
2387.91	Peak	53.45	2.93	56.38	74.00	-17.62
2412.00	Peak	105.58	2.91	108.49	-	-
2412.00	Average	100.48	2.91	103.39	-	-
2487.65	Peak	51.58	2.99	54.57	74.00	-19.43
2488.04	Average	40.47	2.99	43.46	54.00	-10.54

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Report Number :TERF2503001061E2
 Operation Mode :802.11b
 Test Frequency :2417 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :20.6°C /65%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



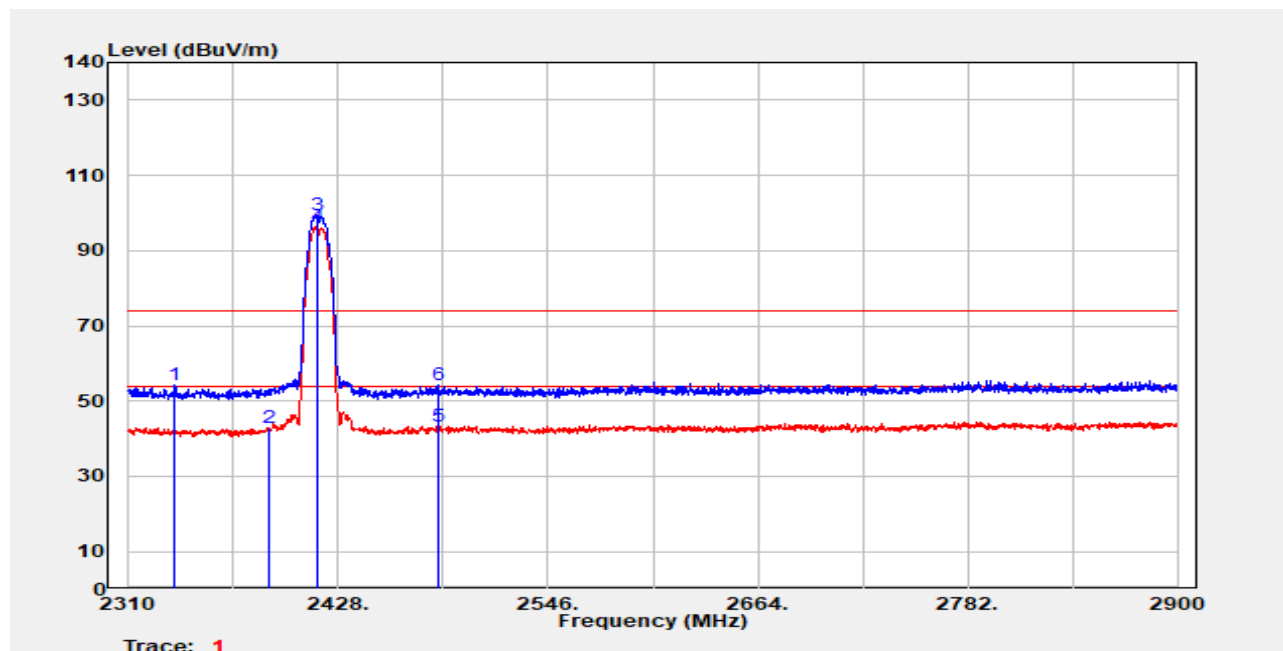
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2385.94	Average	40.36	2.91	43.27	54.00	-10.73
2387.91	Peak	50.66	2.93	53.59	74.00	-20.41
2415.84	Peak	97.48	2.92	100.40	-	-
2415.84	Average	94.28	2.92	97.20	-	-
2485.09	Peak	50.73	2.99	53.72	74.00	-20.28
2499.45	Average	40.00	3.02	43.02	54.00	-10.98

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Report Number :TERF2503001061E2
Operation Mode :802.11b
Test Frequency :2417 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-06-13
Temp./Humi. :20.6°C/65%
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
2336.17	Peak	51.18	2.96	54.14	74.00	-19.86
2389.09	Average	40.10	2.95	43.05	54.00	-10.95
2415.65	Peak	96.49	2.92	99.41	-	-
2415.65	Average	93.36	2.92	96.28	-	-
2483.72	Average	40.43	2.98	43.41	54.00	-10.59
2484.31	Peak	51.17	2.98	54.15	74.00	-19.85

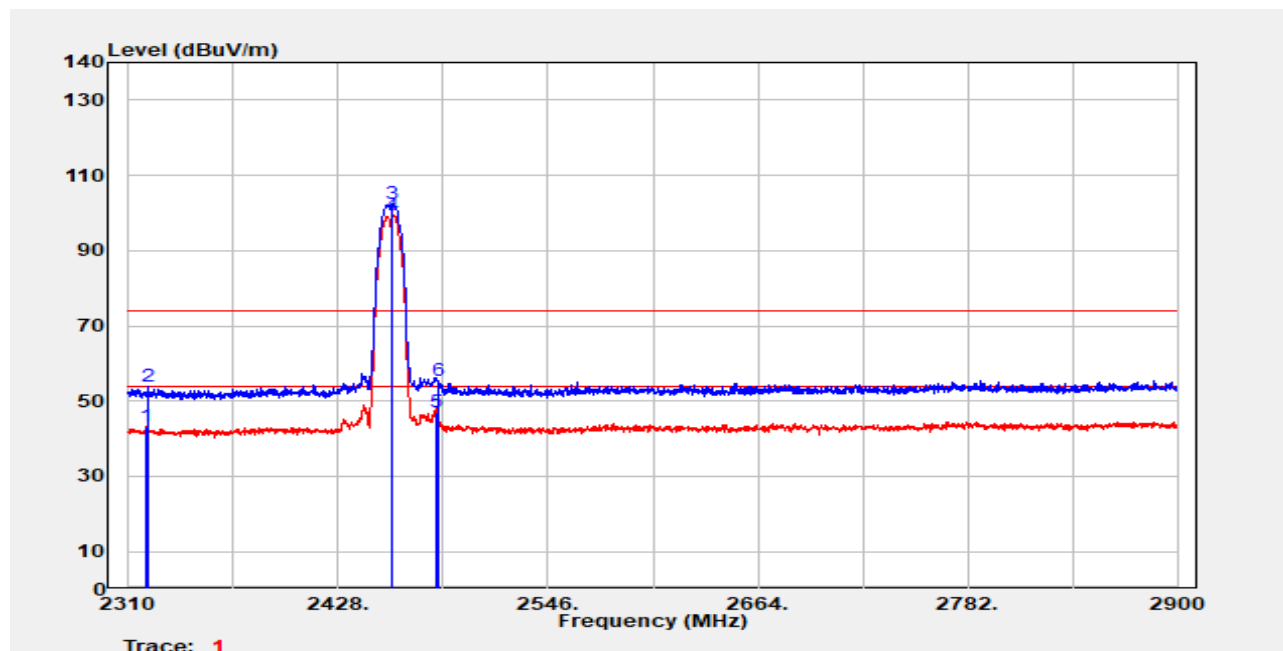
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Report Number :TERF2503001061E2
 Operation Mode :802.11b
 Test Frequency :2457 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :20.6°C/65%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



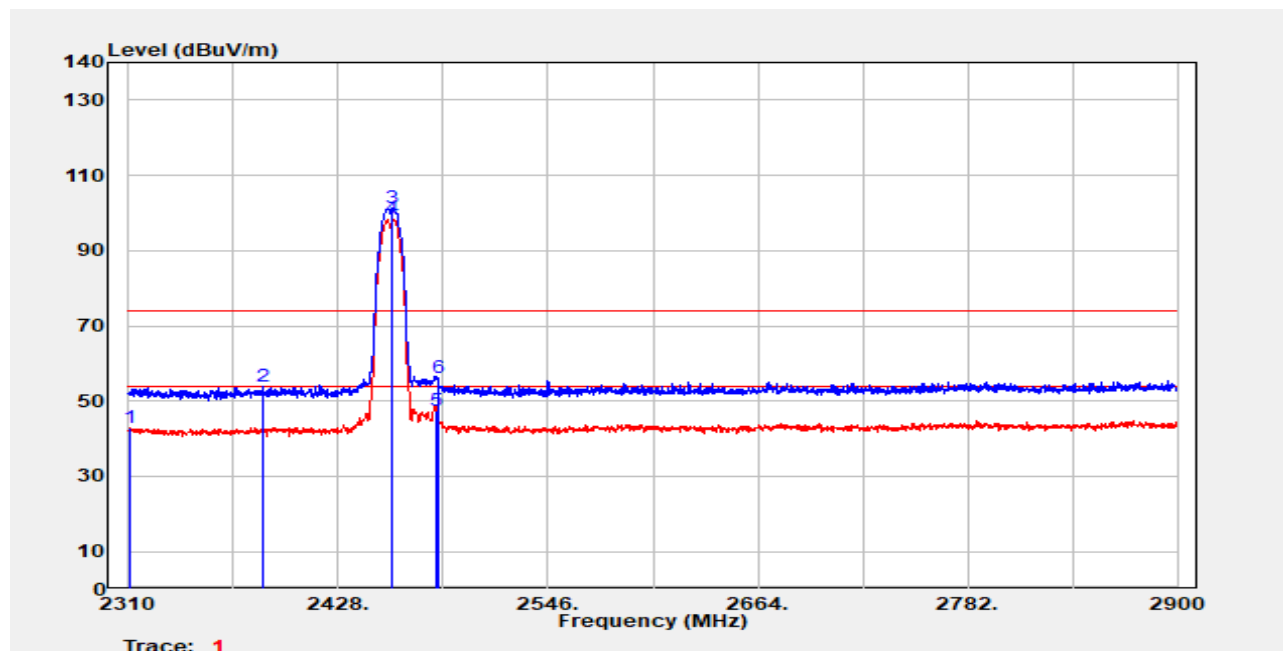
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2319.64	Average	39.99	3.12	43.11	54.00	-10.89
2320.62	Peak	50.89	3.11	54.00	74.00	-20.00
2458.53	Peak	99.62	2.83	102.45	-	-
2458.53	Average	96.59	2.83	99.42	-	-
2483.50	Average	43.90	2.98	46.88	54.00	-7.12
2483.91	Peak	52.31	2.98	55.29	74.00	-18.71

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Report Number :TERF2503001061E2
 Operation Mode :802.11b
 Test Frequency :2457 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :20.6°C/65%
 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
2310.39	Average	39.95	3.10	43.05	54.00	-10.95
2385.15	Peak	50.88	2.90	53.78	74.00	-20.22
2458.53	Peak	98.57	2.83	101.40	-	-
2458.53	Average	95.66	2.83	98.49	-	-
2483.50	Average	44.58	2.98	47.56	54.00	-6.44
2483.72	Peak	53.24	2.98	56.22	74.00	-17.78

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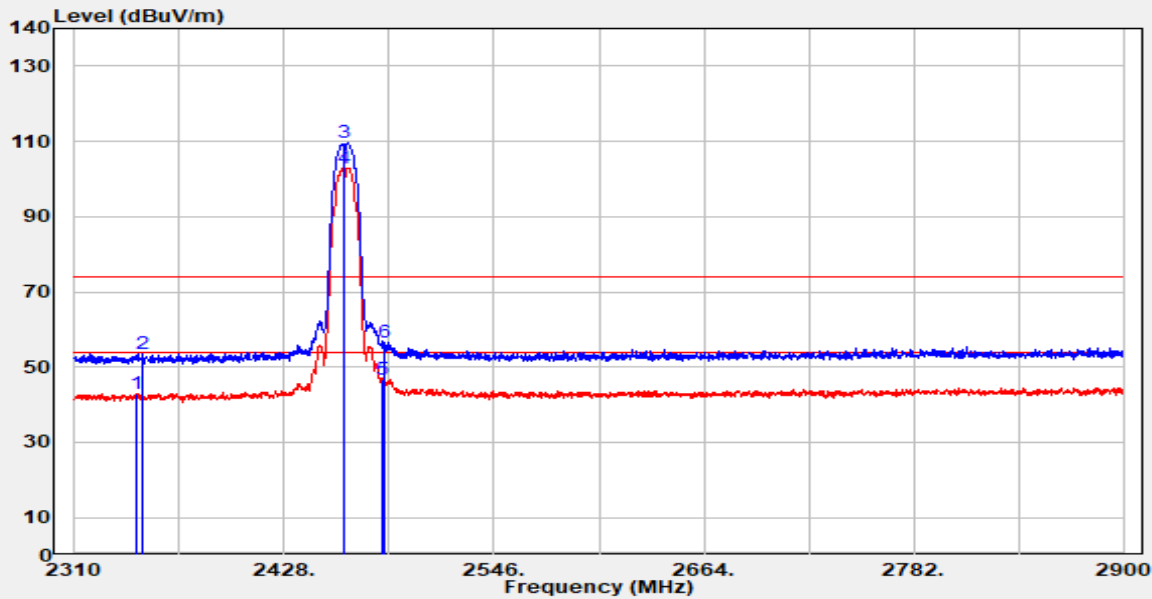
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Report Number :TERF2503001061E2
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



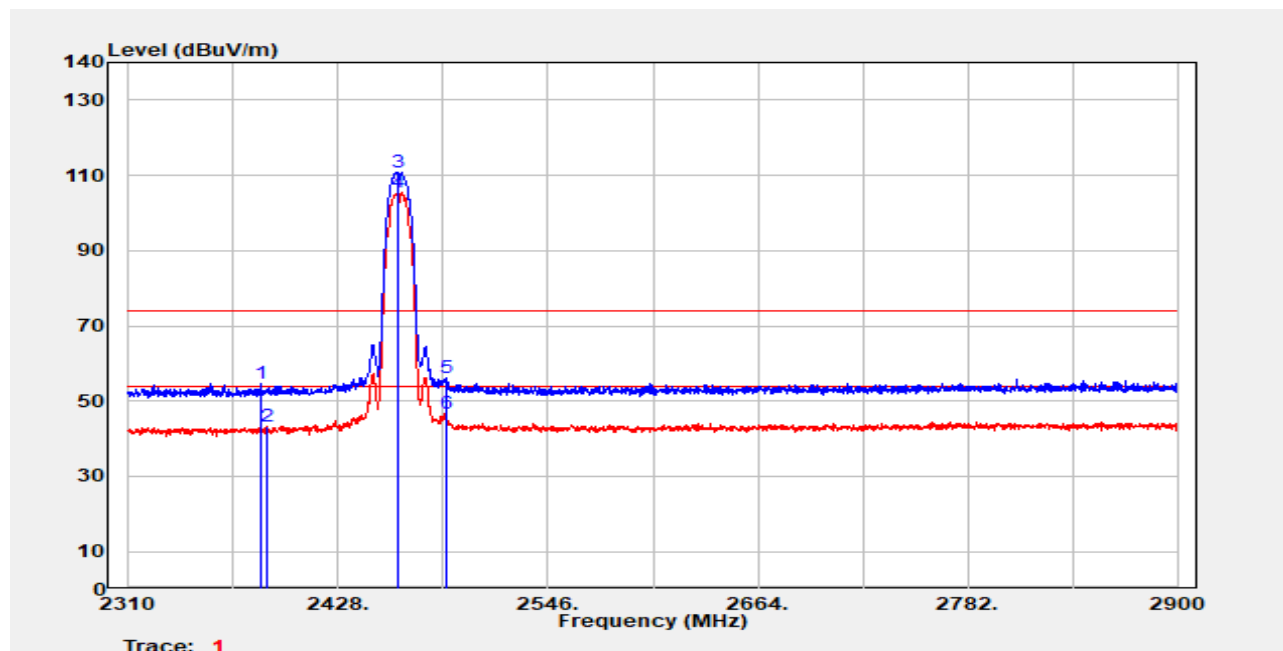
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2345.02	Average	40.04	2.97	43.01	54.00	-10.99
2348.56	Peak	50.66	2.97	53.63	74.00	-20.37
2462.00	Peak	106.78	2.83	109.61	-	-
2462.00	Average	100.07	2.83	102.90	-	-
2483.50	Average	43.72	2.98	46.70	54.00	-7.30
2484.50	Peak	53.56	2.99	56.55	74.00	-17.45

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Report Number :TERF2503001061E2
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



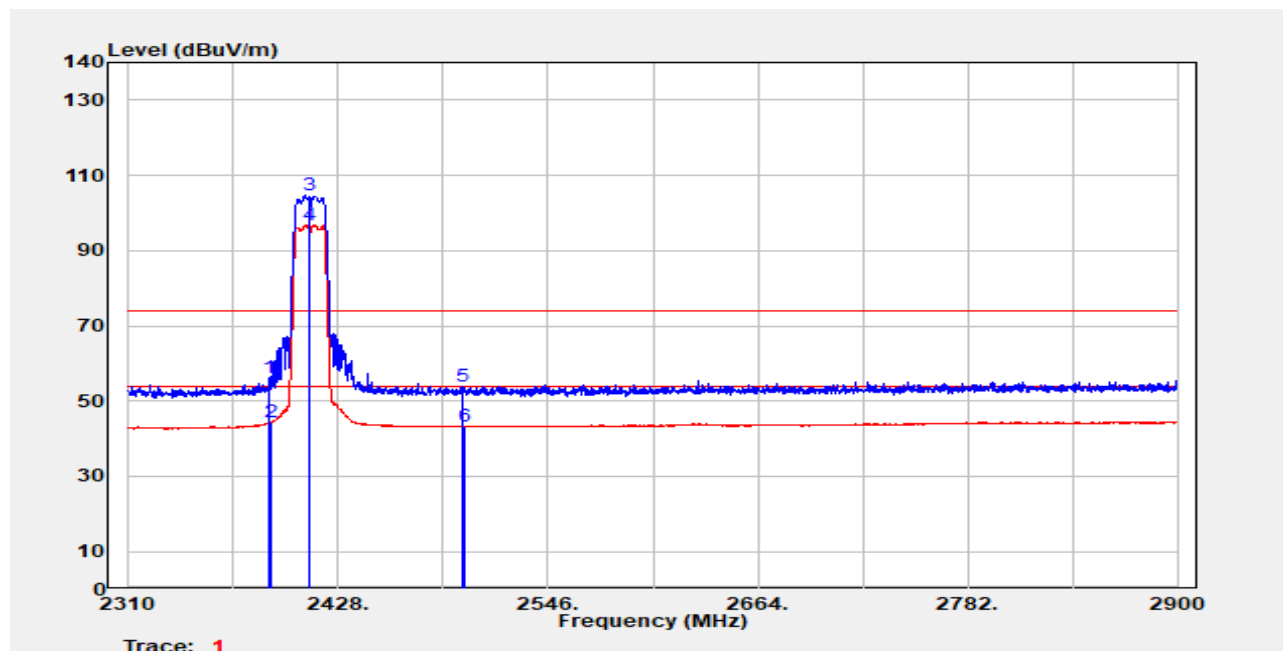
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2384.56	Peak	51.63	2.90	54.53	74.00	-19.47
2388.10	Average	40.20	2.93	43.13	54.00	-10.87
2462.00	Peak	107.94	2.83	110.77	-	-
2462.00	Average	102.49	2.83	105.32	-	-
2488.24	Peak	53.22	2.99	56.21	74.00	-17.79
2488.24	Average	43.77	2.99	46.76	54.00	-7.24

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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Vertical
 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
2389.09	Peak	53.29	2.95	56.24	74.00	-17.76
2389.87	Average	41.31	2.96	44.27	54.00	-9.73
2412.00	Peak	101.91	2.91	104.82	-	-
2412.00	Average	93.90	2.91	96.81	-	-
2498.27	Peak	50.67	3.02	53.69	74.00	-20.31
2498.47	Average	40.38	3.02	43.40	54.00	-10.60

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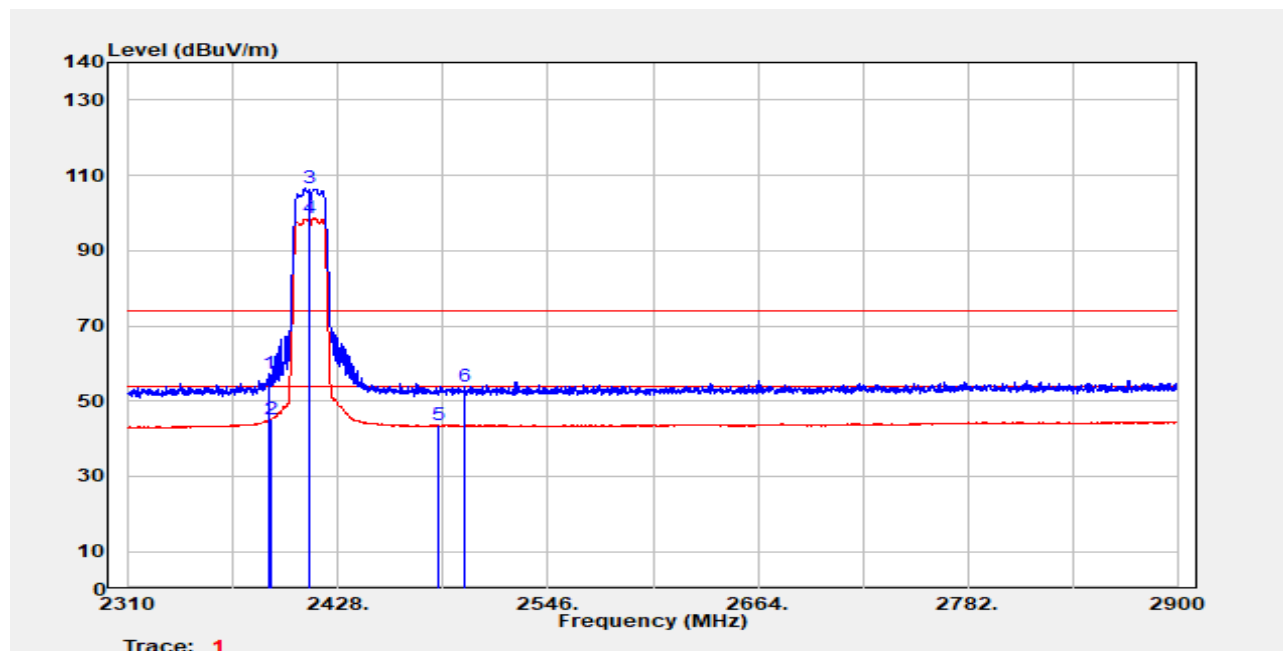
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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



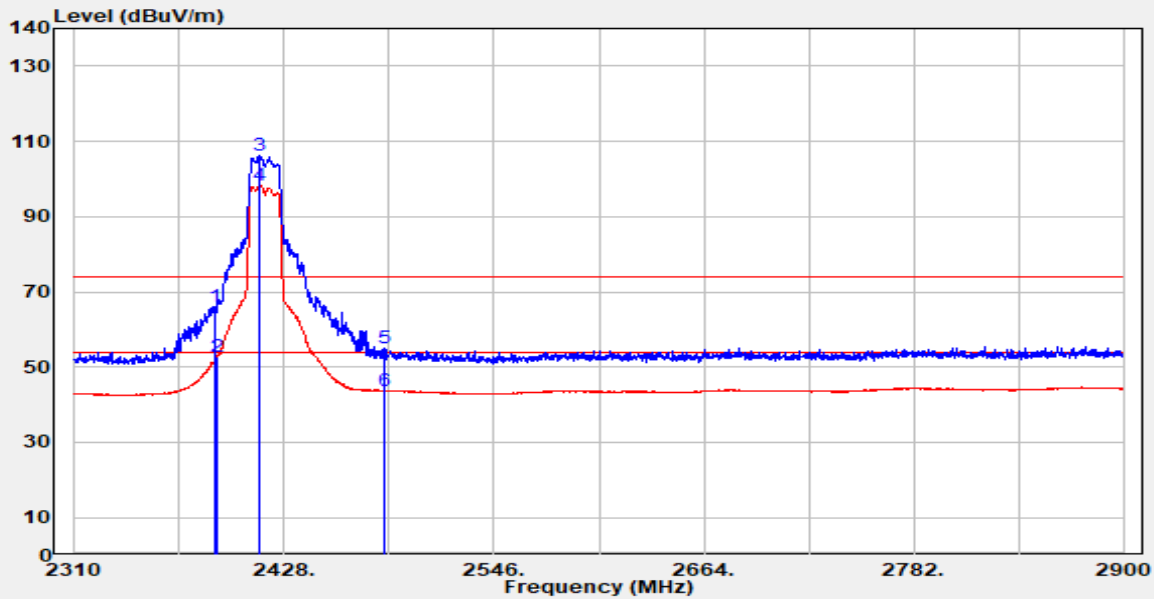
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.28	Peak	54.17	2.95	57.12	74.00	-16.88
2389.68	Average	42.17	2.96	45.13	54.00	-8.87
2412.00	Peak	103.61	2.91	106.52	-	-
2412.00	Average	95.78	2.91	98.69	-	-
2484.70	Average	40.66	2.99	43.65	54.00	-10.35
2498.67	Peak	50.85	3.02	53.87	74.00	-20.13

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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2417 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :20.6°C/65%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



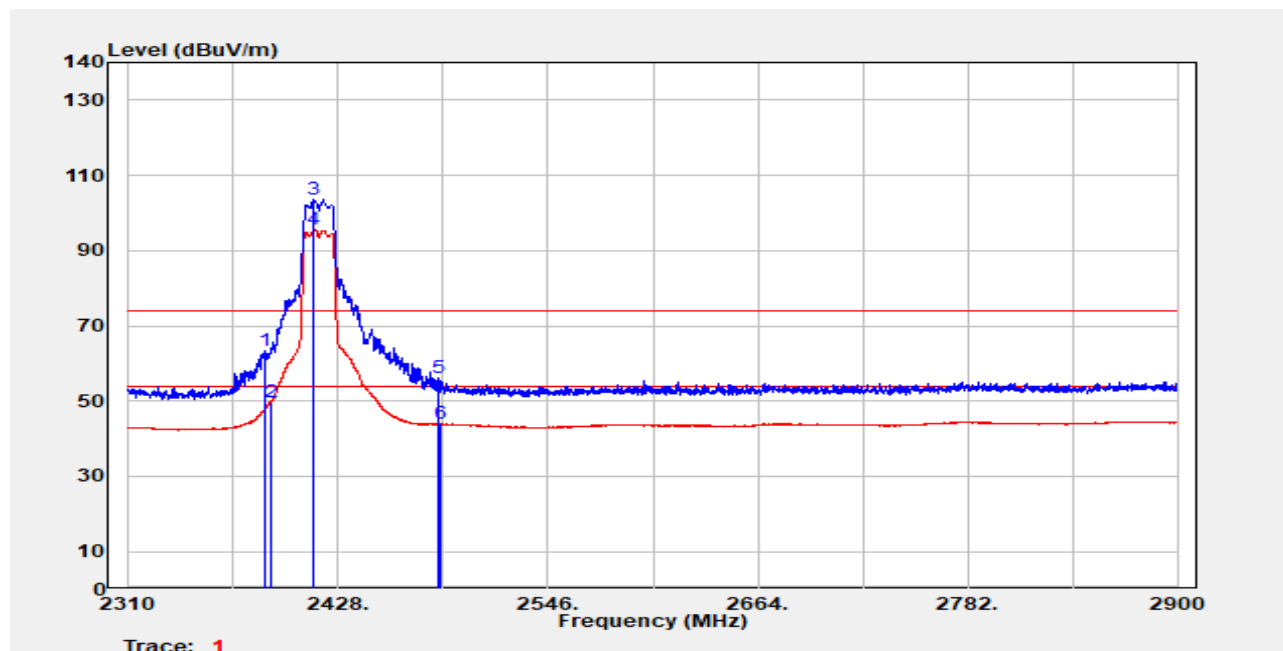
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.89	Peak	63.16	2.95	66.11	74.00	-7.89
2389.87	Average	49.87	2.96	52.83	54.00	-1.17
2413.48	Peak	103.28	2.91	106.19	-	-
2413.48	Average	95.19	2.91	98.10	-	-
2483.72	Peak	51.89	2.98	54.87	74.00	-19.13
2483.72	Average	40.76	2.98	43.74	54.00	-10.26

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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2417 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :20.6°C/65%
 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
2387.12	Peak	60.30	2.92	63.22	74.00	-10.78
2389.87	Average	46.83	2.96	49.79	54.00	-4.21
2413.88	Peak	100.62	2.91	103.53	-	-
2413.88	Average	92.53	2.91	95.44	-	-
2484.11	Peak	53.06	2.98	56.04	74.00	-17.96
2485.88	Average	40.90	2.99	43.89	54.00	-10.11

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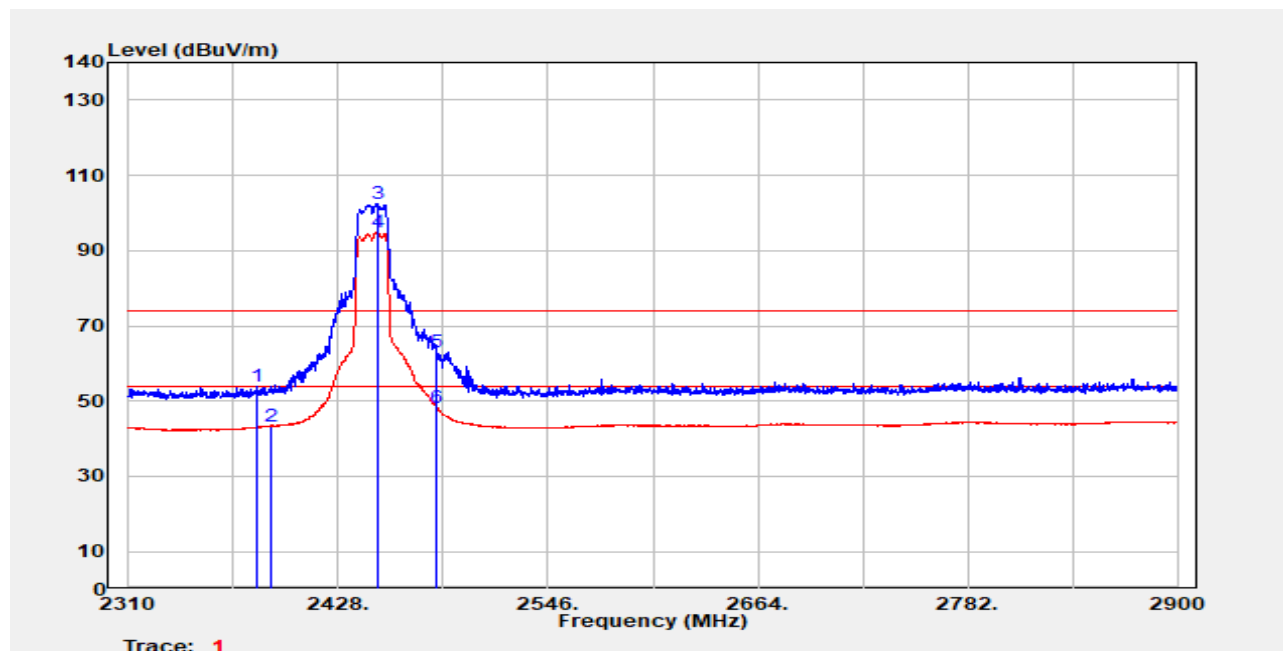
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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2447 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :20.6°C/65%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



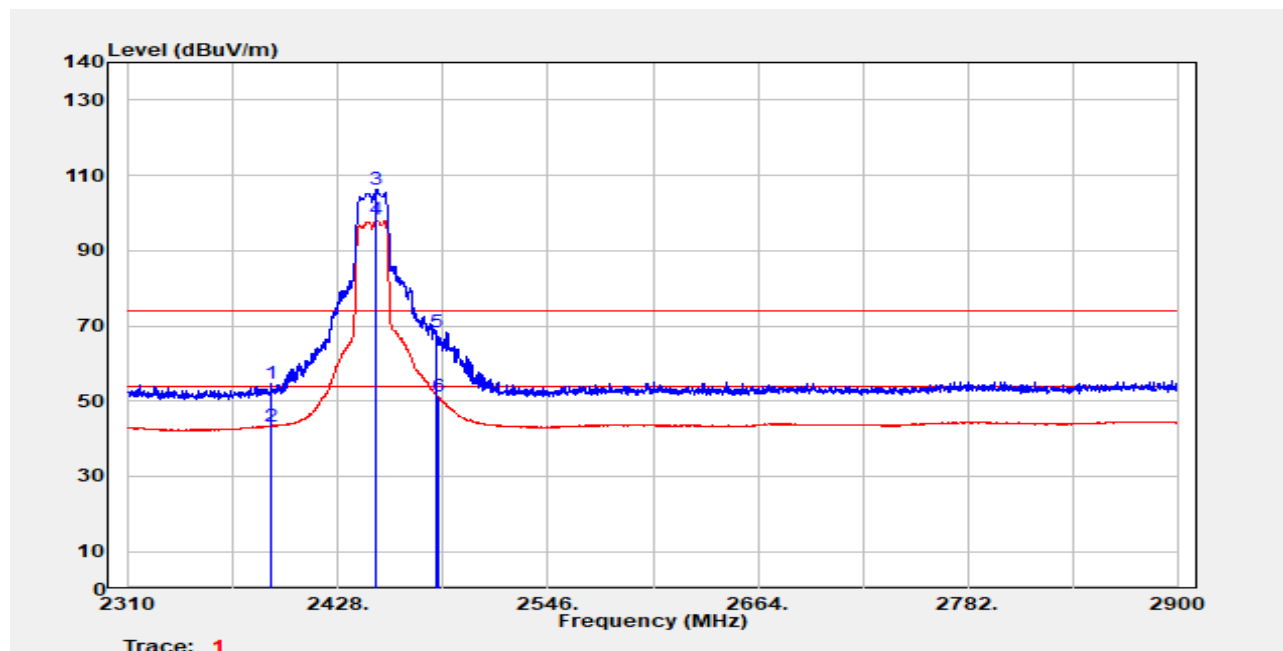
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2381.81	Peak	50.90	2.87	53.77	74.00	-20.23
2389.68	Average	40.45	2.96	43.41	54.00	-10.59
2449.68	Peak	99.54	2.90	102.44	-	-
2449.68	Average	92.00	2.90	94.90	-	-
2483.50	Peak	60.13	2.98	63.11	74.00	-10.89
2483.50	Average	45.24	2.98	48.22	54.00	-5.78

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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2447 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :20.6°C/65%
 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
2389.87	Peak	51.61	2.96	54.57	74.00	-19.43
2389.87	Average	40.43	2.96	43.39	54.00	-10.61
2449.48	Peak	103.33	2.91	106.24	-	-
2449.48	Average	95.21	2.91	98.12	-	-
2483.50	Peak	65.44	2.98	68.42	74.00	-5.58
2483.91	Average	48.35	2.98	51.33	54.00	-2.67

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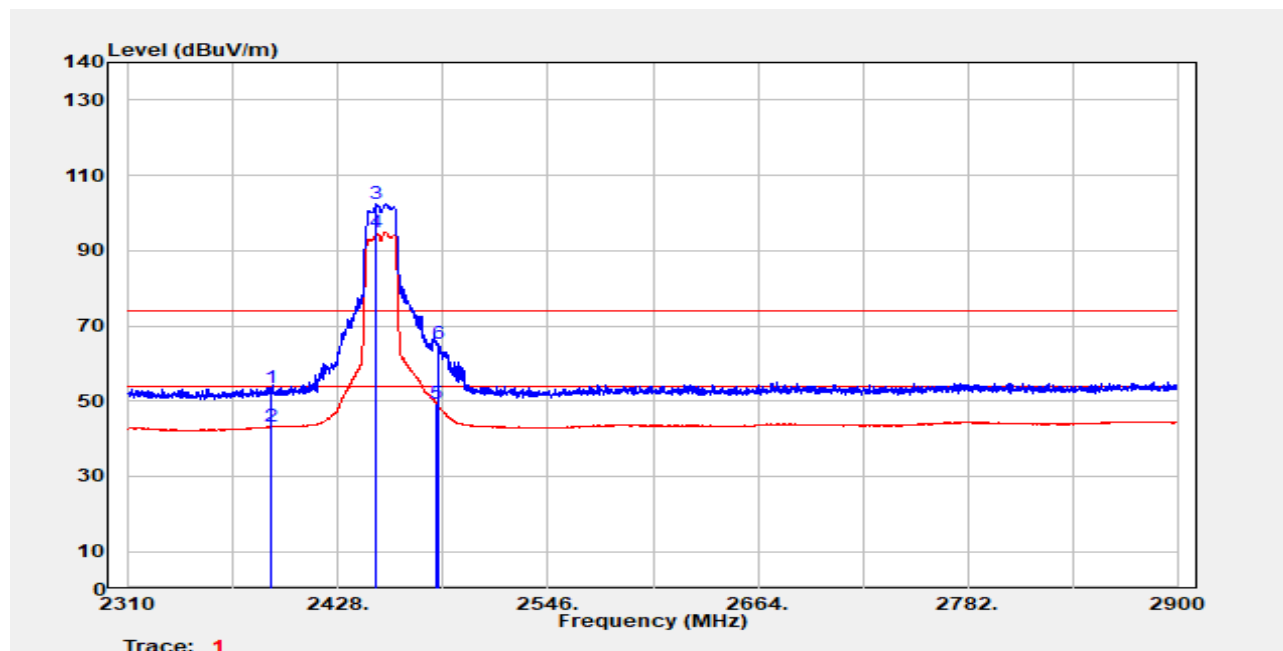
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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :20.6°C/65%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



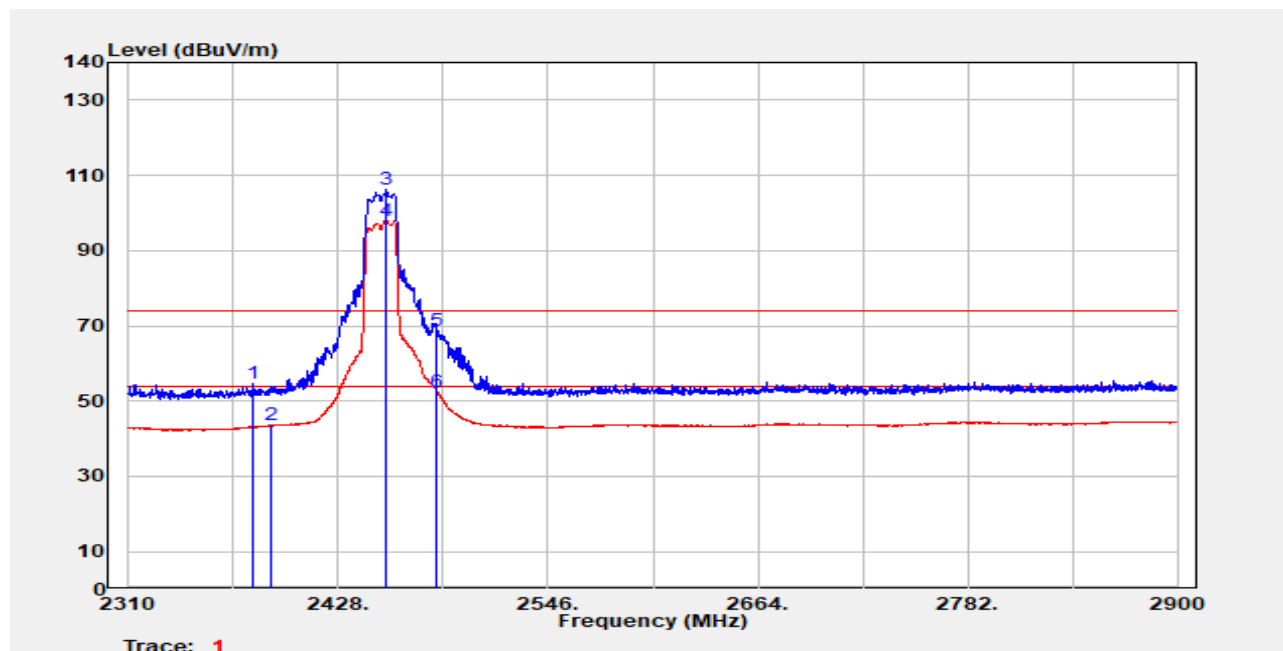
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.87	Peak	50.66	2.96	53.62	74.00	-20.38
2389.87	Average	40.22	2.96	43.18	54.00	-10.82
2449.09	Peak	99.48	2.91	102.39	-	-
2449.09	Average	91.93	2.91	94.84	-	-
2483.50	Average	46.23	2.98	49.21	54.00	-4.79
2484.70	Peak	62.44	2.99	65.43	74.00	-8.57

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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :20.6°C/65%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



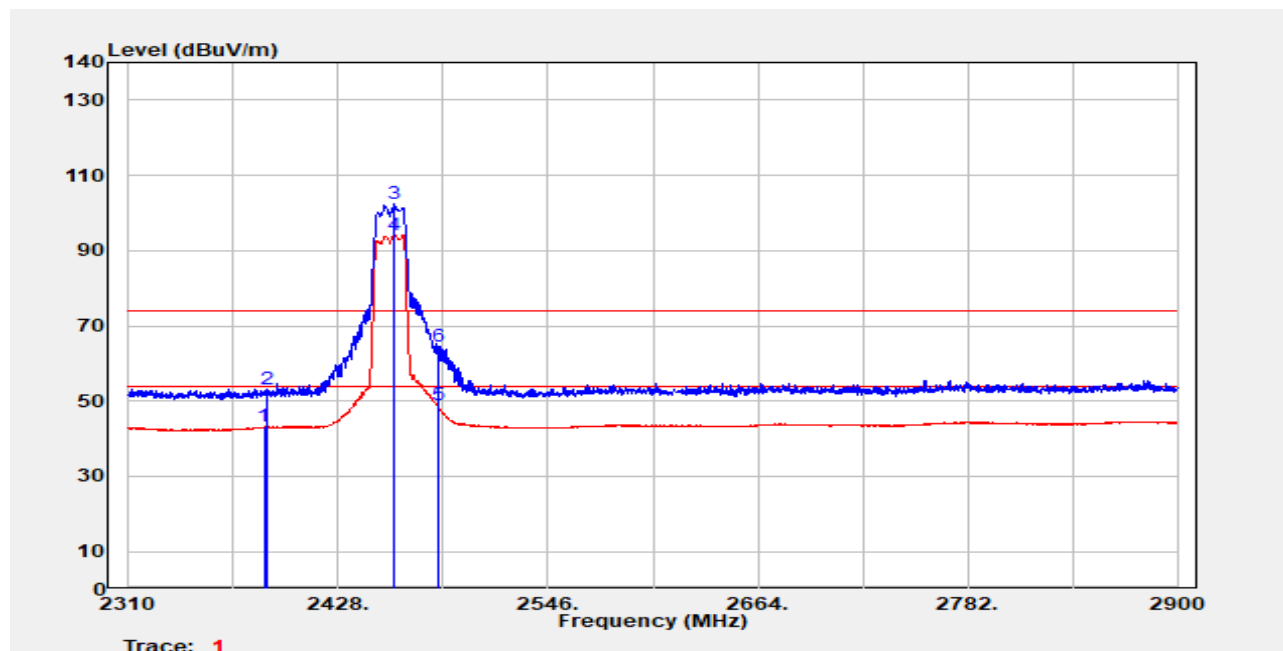
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2380.04	Peak	51.62	2.84	54.46	74.00	-19.54
2389.87	Average	40.63	2.96	43.59	54.00	-10.41
2454.60	Peak	103.32	2.86	106.18	-	-
2454.60	Average	95.08	2.86	97.94	-	-
2483.50	Peak	65.87	2.98	68.85	74.00	-5.15
2483.50	Average	49.47	2.98	52.45	54.00	-1.55

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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2457 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :20.6°C/65%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



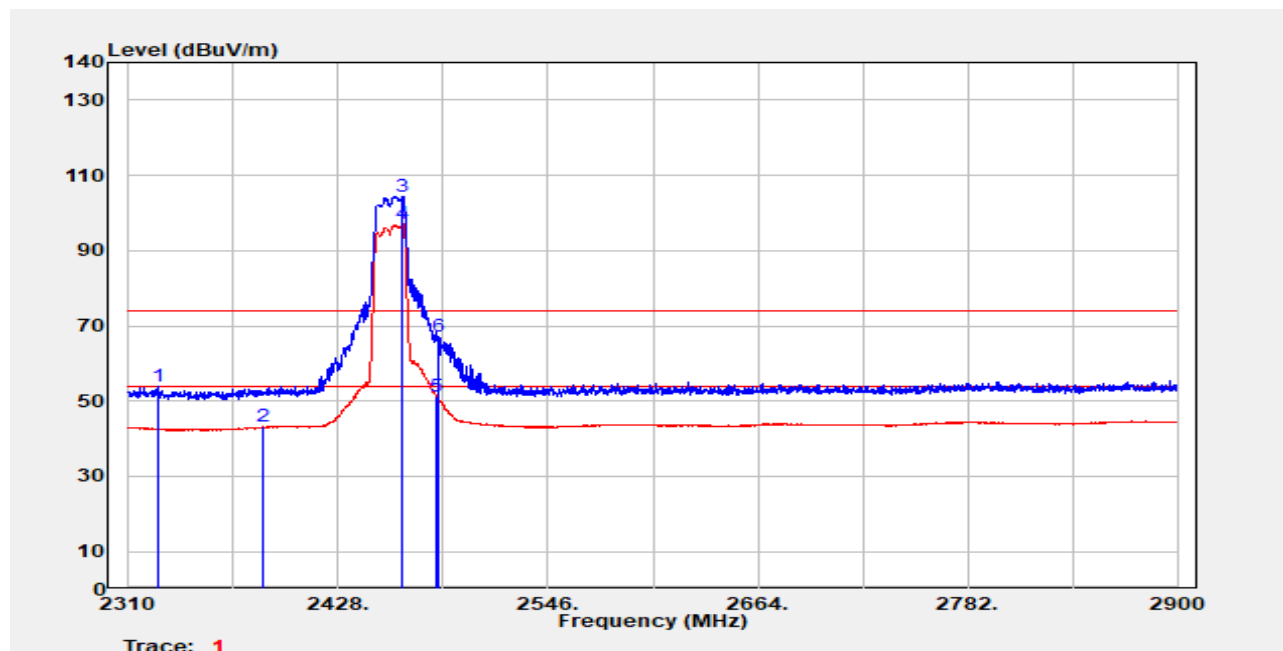
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2386.14	Average	40.22	2.91	43.13	54.00	-10.87
2387.32	Peak	50.28	2.92	53.20	74.00	-20.80
2459.52	Peak	99.58	2.83	102.41	-	-
2459.52	Average	91.38	2.83	94.21	-	-
2483.72	Average	45.90	2.98	48.88	54.00	-5.12
2484.70	Peak	61.65	2.99	64.64	74.00	-9.36

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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2457 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :20.6°C/65%
 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
2326.13	Peak	50.78	3.01	53.79	74.00	-20.21
2385.94	Average	40.21	2.91	43.12	54.00	-10.88
2464.04	Peak	101.59	2.83	104.42	-	-
2464.04	Average	94.21	2.83	97.04	-	-
2483.50	Average	48.12	2.98	51.10	54.00	-2.90
2483.72	Peak	64.23	2.98	67.21	74.00	-6.79

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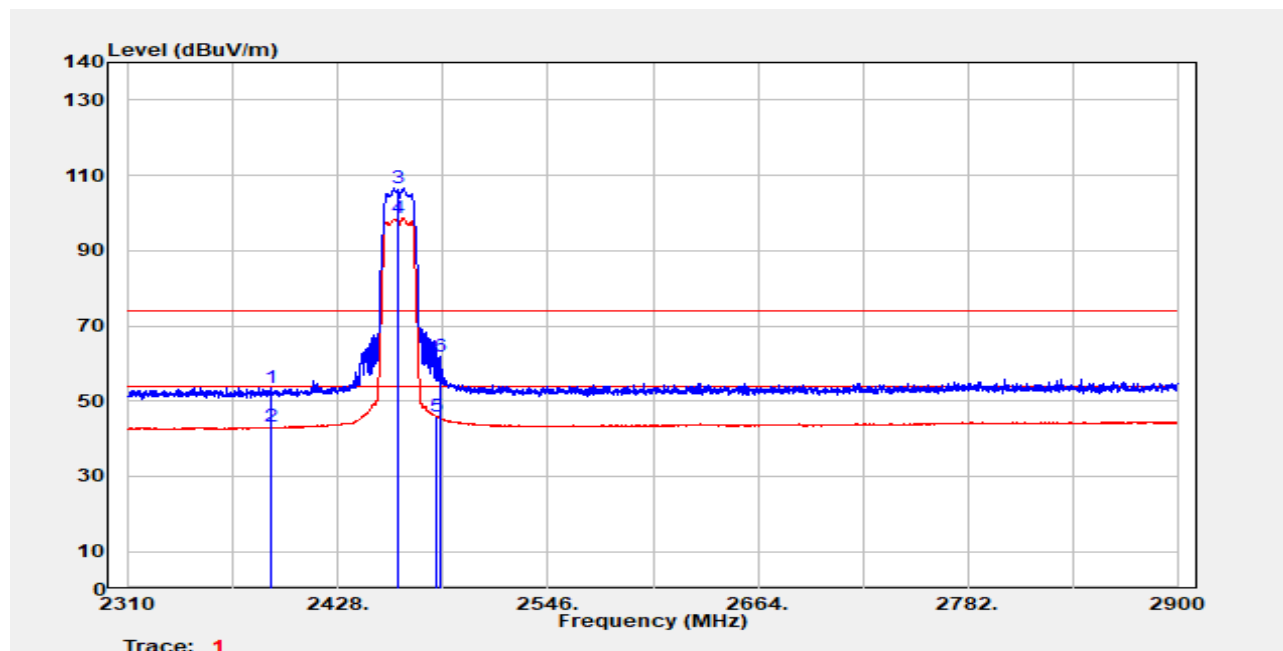
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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



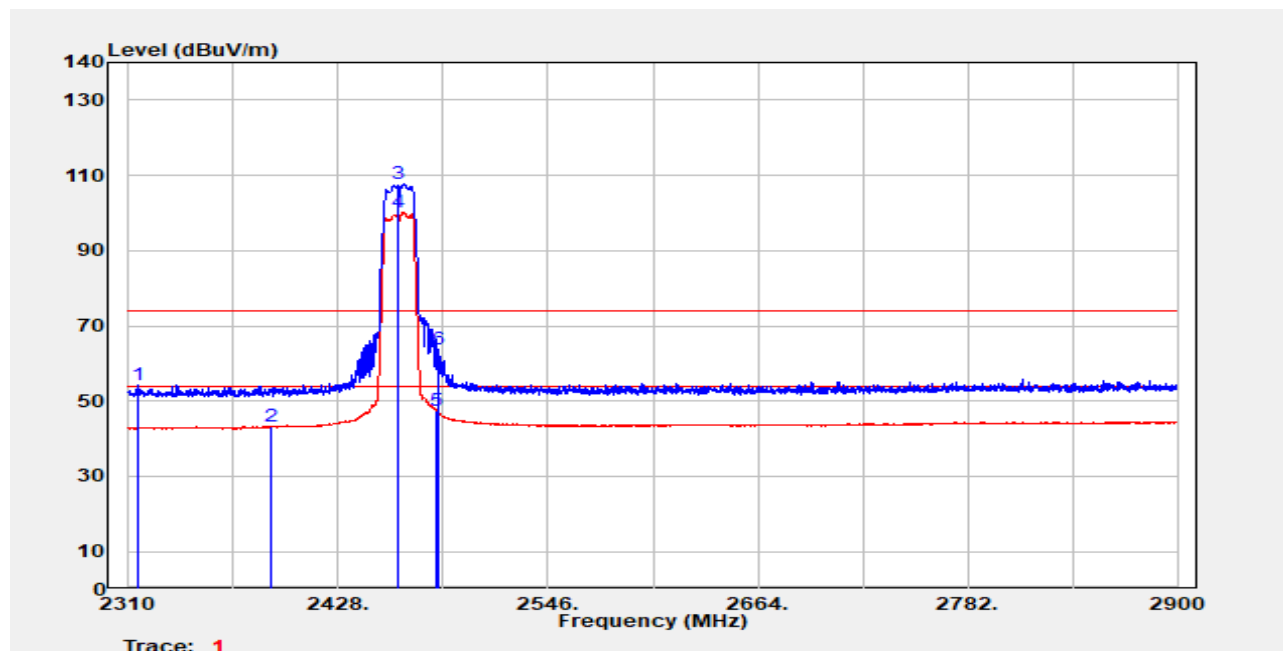
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.68	Peak	50.68	2.96	53.64	74.00	-20.36
2389.68	Average	40.13	2.96	43.09	54.00	-10.91
2462.00	Peak	103.95	2.83	106.78	-	-
2462.00	Average	95.67	2.83	98.50	-	-
2483.50	Average	42.79	2.98	45.77	54.00	-8.23
2485.29	Peak	58.86	2.99	61.85	74.00	-12.15

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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



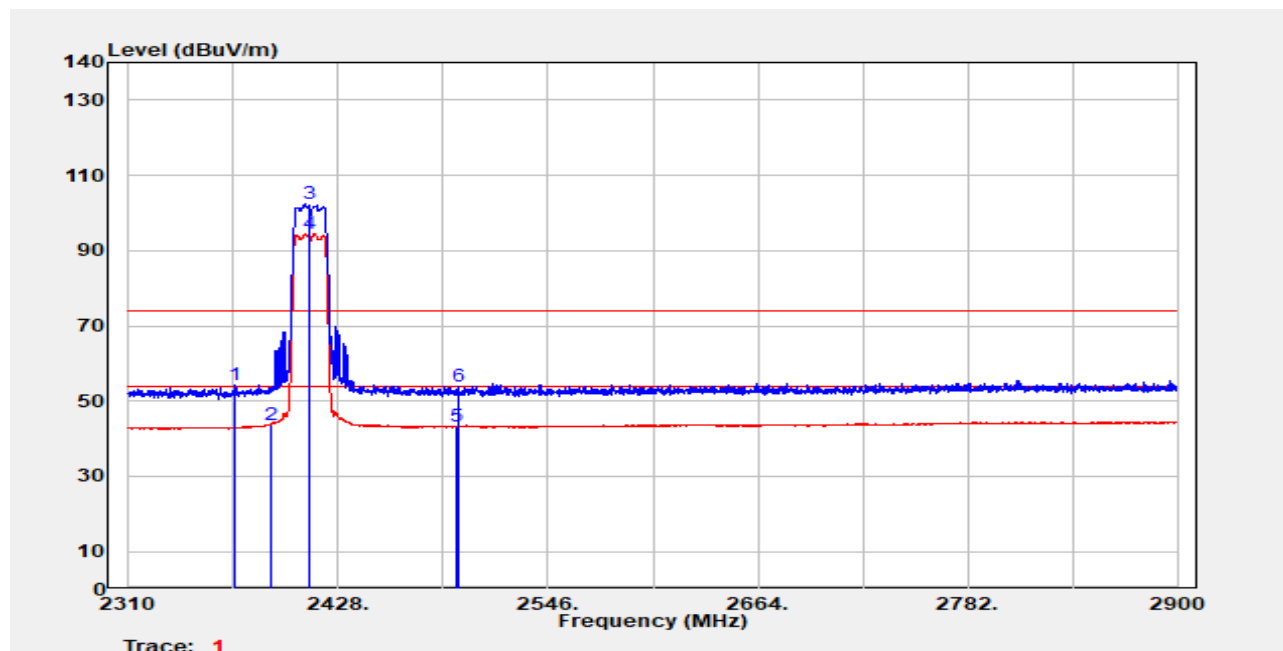
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2314.92	Peak	51.31	3.11	54.42	74.00	-19.58
2389.87	Average	40.28	2.96	43.24	54.00	-10.76
2462.00	Peak	104.79	2.83	107.62	-	-
2462.00	Average	97.25	2.83	100.08	-	-
2483.50	Average	44.31	2.98	47.29	54.00	-6.71
2483.72	Peak	60.85	2.98	63.83	74.00	-10.17

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Report Number :TERF2503001061E2
Operation Mode :802.11n20
Test Frequency :2412 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-05-29
Temp./Humi. :20°C/56%
Antenna Pol. :Vertical
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
2370.00	Peak	51.50	2.82	54.32	74.00	-19.68
2389.87	Average	40.83	2.96	43.79	54.00	-10.21
2412.00	Peak	99.65	2.91	102.56	-	-
2412.00	Average	91.46	2.91	94.37	-	-
2494.54	Average	40.34	3.01	43.35	54.00	-10.65
2495.13	Peak	50.95	3.01	53.96	74.00	-20.04

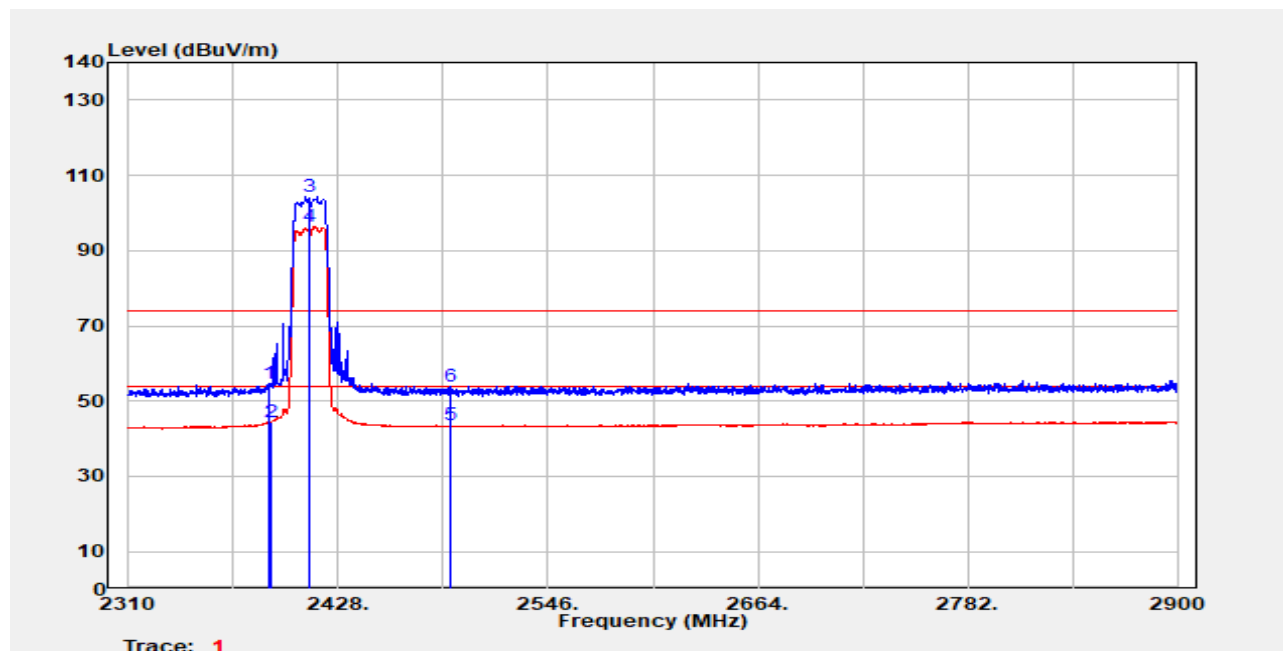
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Report Number :TERF2503001061E2
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



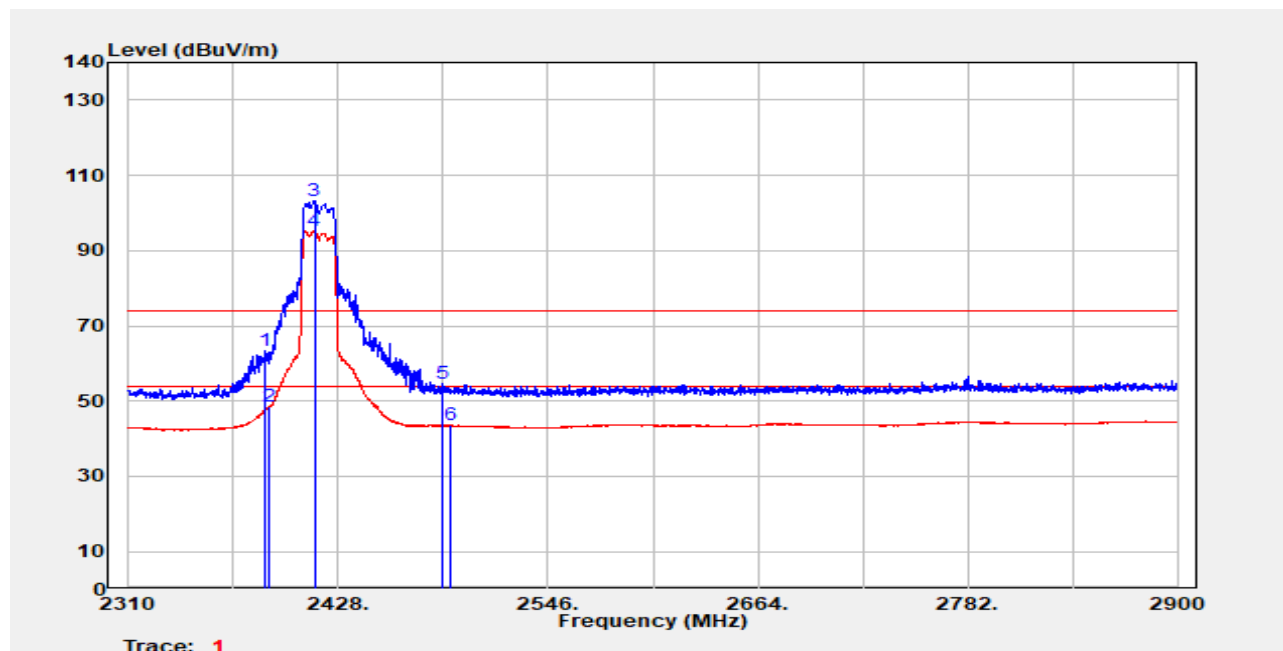
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.28	Peak	51.79	2.95	54.74	74.00	-19.26
2389.87	Average	41.49	2.96	44.45	54.00	-9.55
2412.00	Peak	101.45	2.91	104.36	-	-
2412.00	Average	93.31	2.91	96.22	-	-
2490.80	Average	40.44	3.00	43.44	54.00	-10.56
2491.39	Peak	50.78	3.00	53.78	74.00	-20.22

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Report Number :TERF2503001061E2
 Operation Mode :802.11n20
 Test Frequency :2417 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :20.6°C/65%
 Antenna Pol. :Vertical
 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
2386.92	Peak	60.41	2.92	63.33	74.00	-10.67
2389.48	Average	45.72	2.95	48.67	54.00	-5.33
2414.47	Peak	100.30	2.91	103.21	-	-
2414.47	Average	92.28	2.91	95.19	-	-
2486.47	Peak	51.51	2.99	54.50	74.00	-19.50
2490.80	Average	40.64	3.00	43.64	54.00	-10.36

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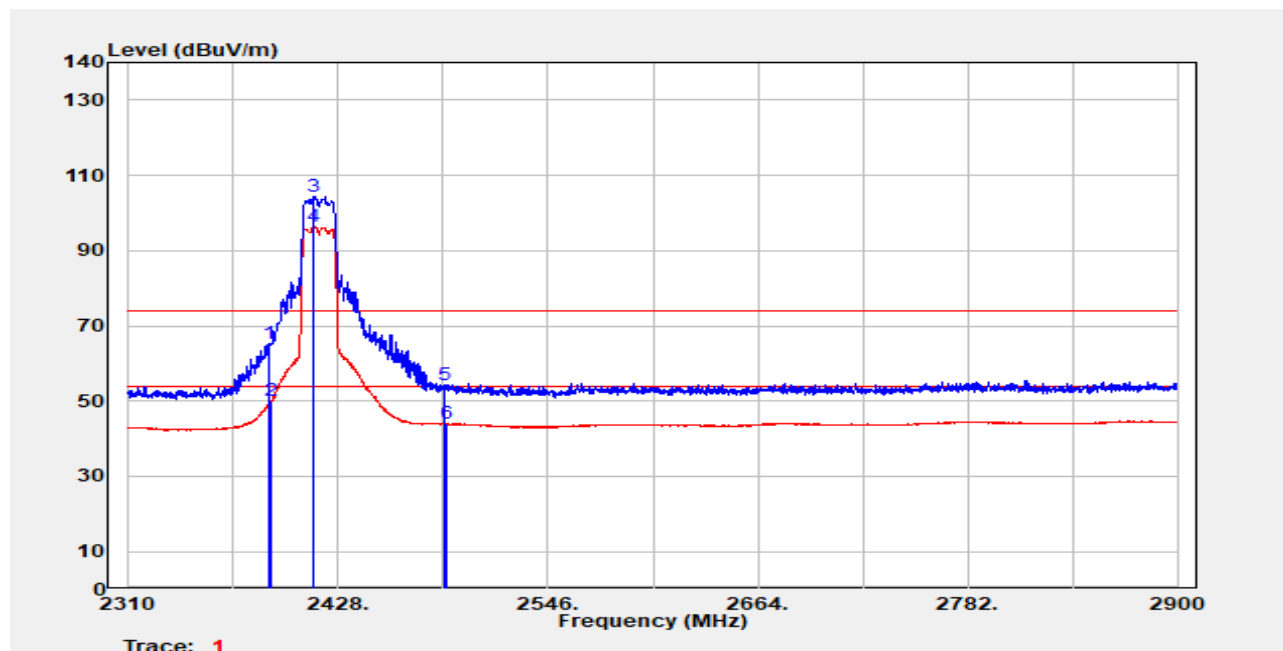
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Report Number :TERF2503001061E2
 Operation Mode :802.11n20
 Test Frequency :2417 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :20.6°C/65%
 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
2388.89	Peak	62.19	2.95	65.14	74.00	-8.86
2389.87	Average	46.95	2.96	49.91	54.00	-4.09
2414.27	Peak	101.56	2.91	104.47	-	-
2414.27	Average	93.52	2.91	96.43	-	-
2488.04	Peak	51.35	2.99	54.34	74.00	-19.66
2488.63	Average	40.96	2.99	43.95	54.00	-10.05

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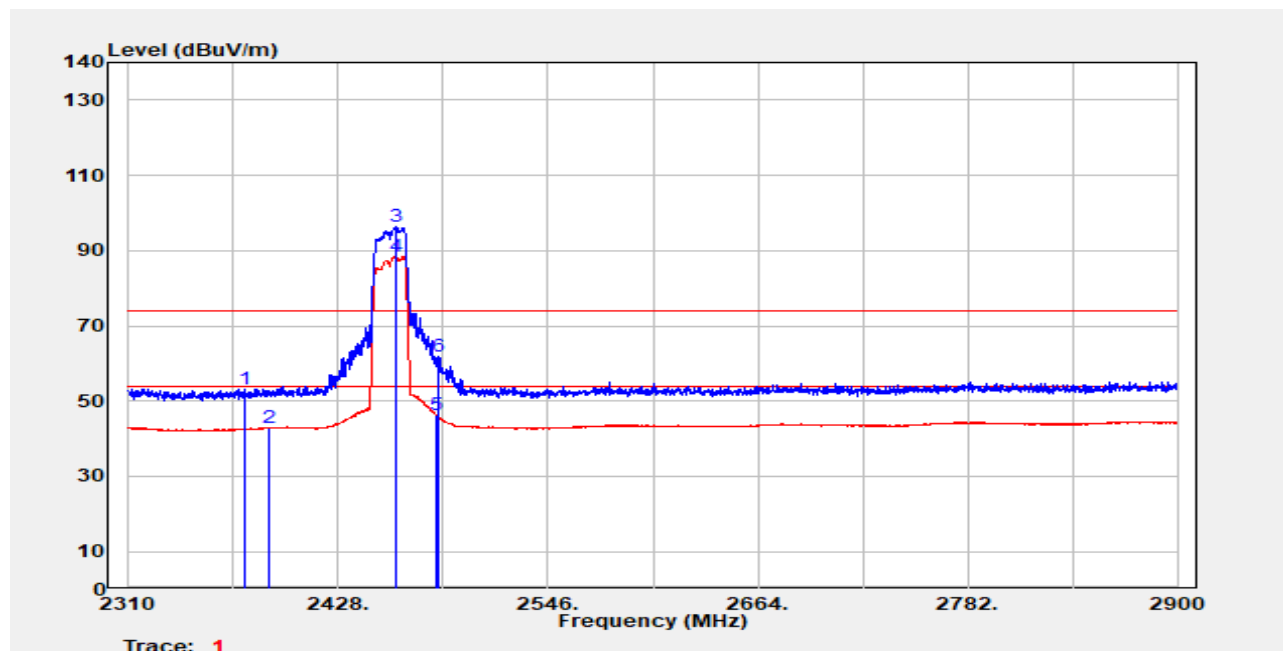
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Report Number :TERF2503001061E2
 Operation Mode :802.11n20
 Test Frequency :2457 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :20.6°C/65%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



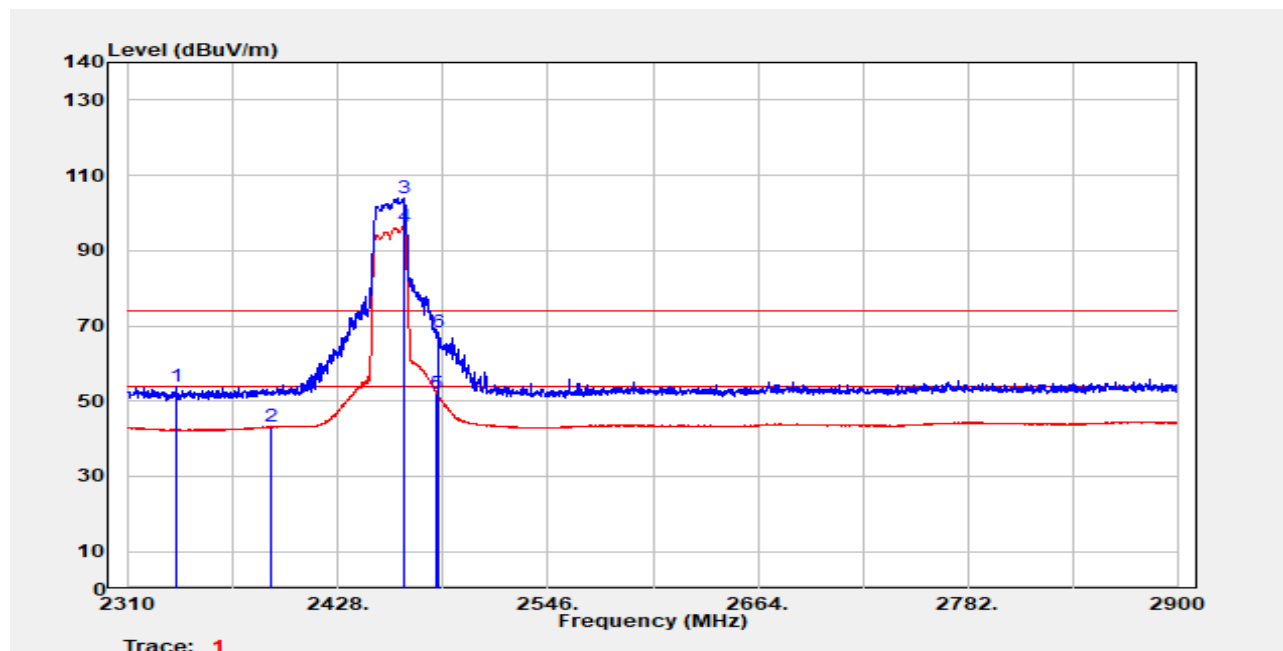
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2375.12	Peak	50.34	2.83	53.17	74.00	-20.83
2388.69	Average	40.00	2.95	42.95	54.00	-11.05
2460.89	Peak	93.41	2.83	96.24	-	-
2460.89	Average	85.76	2.83	88.59	-	-
2483.50	Average	43.13	2.98	46.11	54.00	-7.89
2484.11	Peak	58.73	2.98	61.71	74.00	-12.29

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Report Number :TERF2503001061E2
 Operation Mode :802.11n20
 Test Frequency :2457 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :20.6°C/65%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



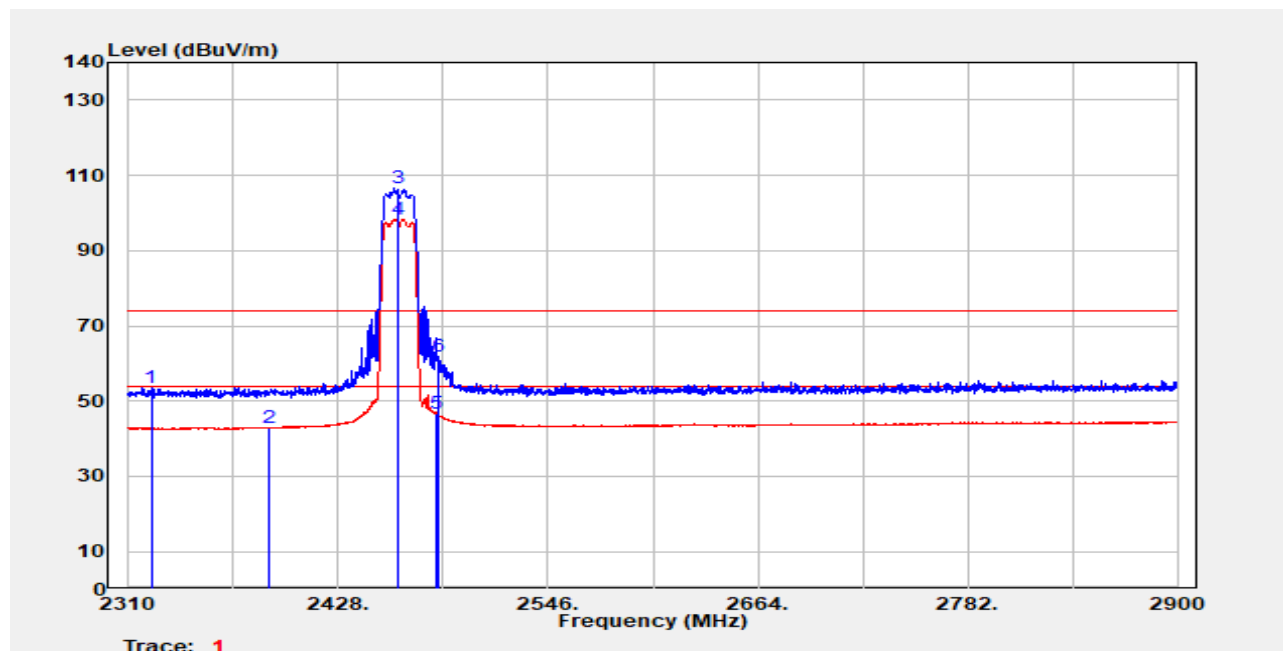
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2336.76	Peak	50.93	2.96	53.89	74.00	-20.11
2389.68	Average	40.19	2.96	43.15	54.00	-10.85
2464.83	Peak	100.99	2.83	103.82	-	-
2464.83	Average	93.56	2.83	96.39	-	-
2483.50	Average	48.83	2.98	51.81	54.00	-2.19
2483.91	Peak	65.46	2.98	68.44	74.00	-5.56

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Report Number :TERF2503001061E2
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



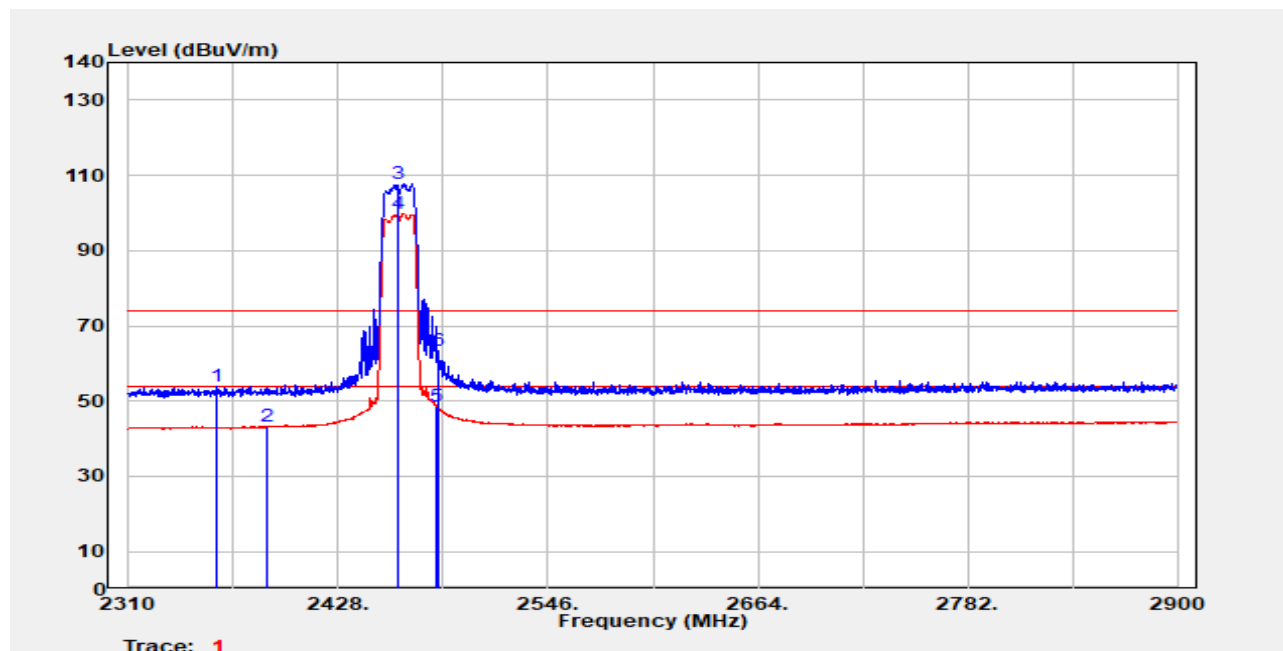
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2322.59	Peak	50.61	3.08	53.69	74.00	-20.31
2388.69	Average	40.10	2.95	43.05	54.00	-10.95
2462.00	Peak	103.96	2.83	106.79	-	-
2462.00	Average	95.42	2.83	98.25	-	-
2483.50	Average	43.73	2.98	46.71	54.00	-7.29
2483.72	Peak	59.01	2.98	61.99	74.00	-12.01

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Report Number :TERF2503001061E2
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°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
2359.38	Peak	50.90	2.91	53.81	74.00	-20.19
2388.30	Average	40.35	2.93	43.28	54.00	-10.72
2462.00	Peak	105.05	2.83	107.88	-	-
2462.00	Average	97.00	2.83	99.83	-	-
2483.50	Average	45.56	2.98	48.54	54.00	-5.46
2484.11	Peak	60.37	2.98	63.35	74.00	-10.65

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t (886-2) 2299-3279

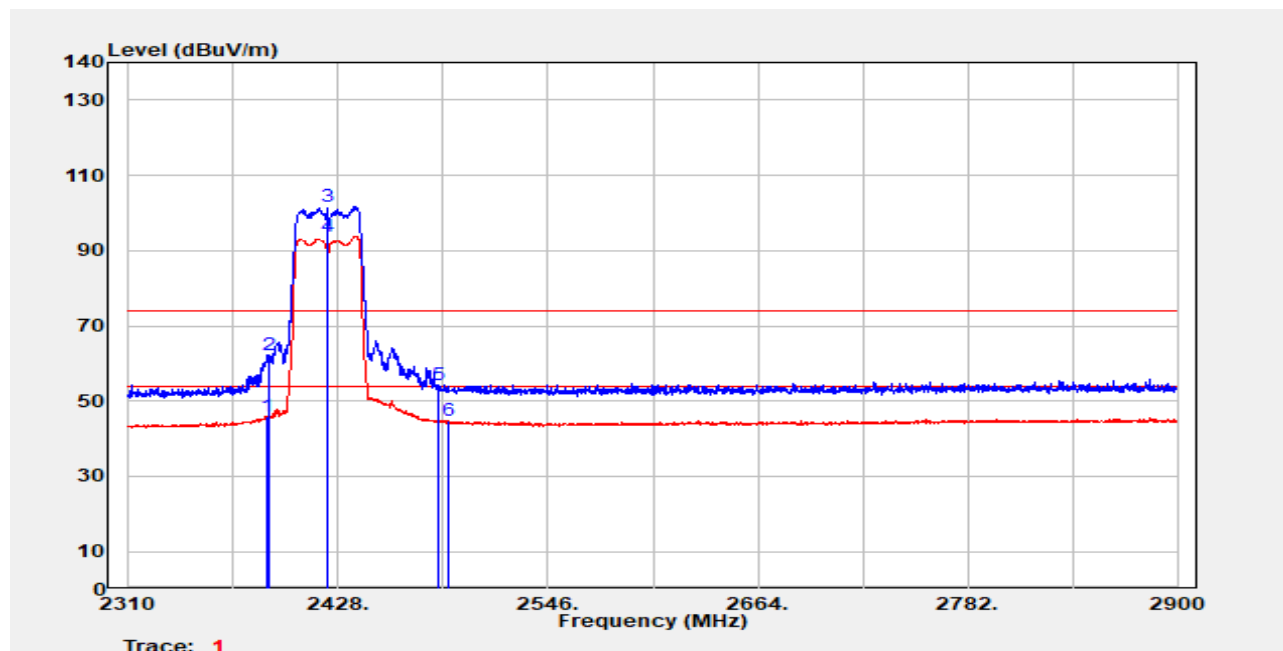
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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Vertical
 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
2387.51	Average	43.10	2.93	46.03	54.00	-7.97
2388.50	Peak	59.38	2.94	62.32	74.00	-11.68
2422.00	Peak	98.65	2.96	101.61	-	-
2422.00	Average	90.83	2.96	93.79	-	-
2484.31	Peak	51.27	2.98	54.25	74.00	-19.75
2489.81	Average	41.74	2.99	44.73	54.00	-9.27

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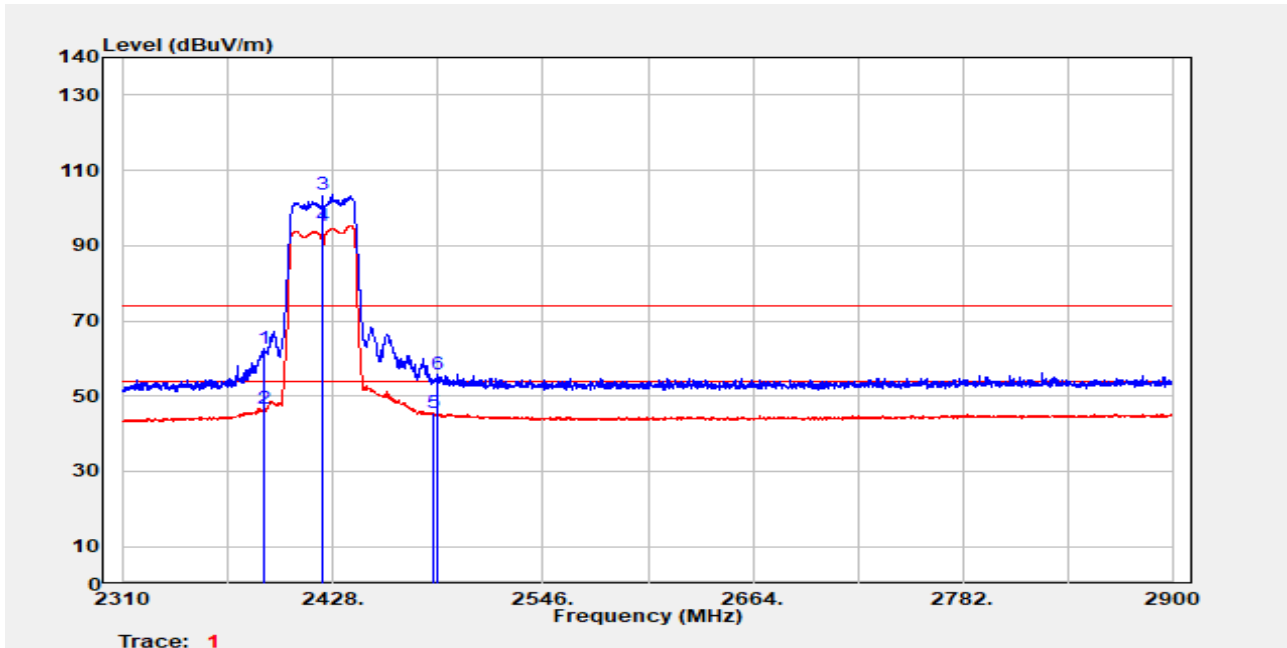
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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.28	Peak	59.53	2.95	62.48	74.00	-11.52
2389.28	Average	43.69	2.95	46.64	54.00	-7.36
2422.00	Peak	100.53	2.96	103.49	-	-
2422.00	Average	92.39	2.96	95.35	-	-
2483.72	Average	42.56	2.98	45.54	54.00	-8.46
2486.86	Peak	52.86	2.99	55.85	74.00	-18.15

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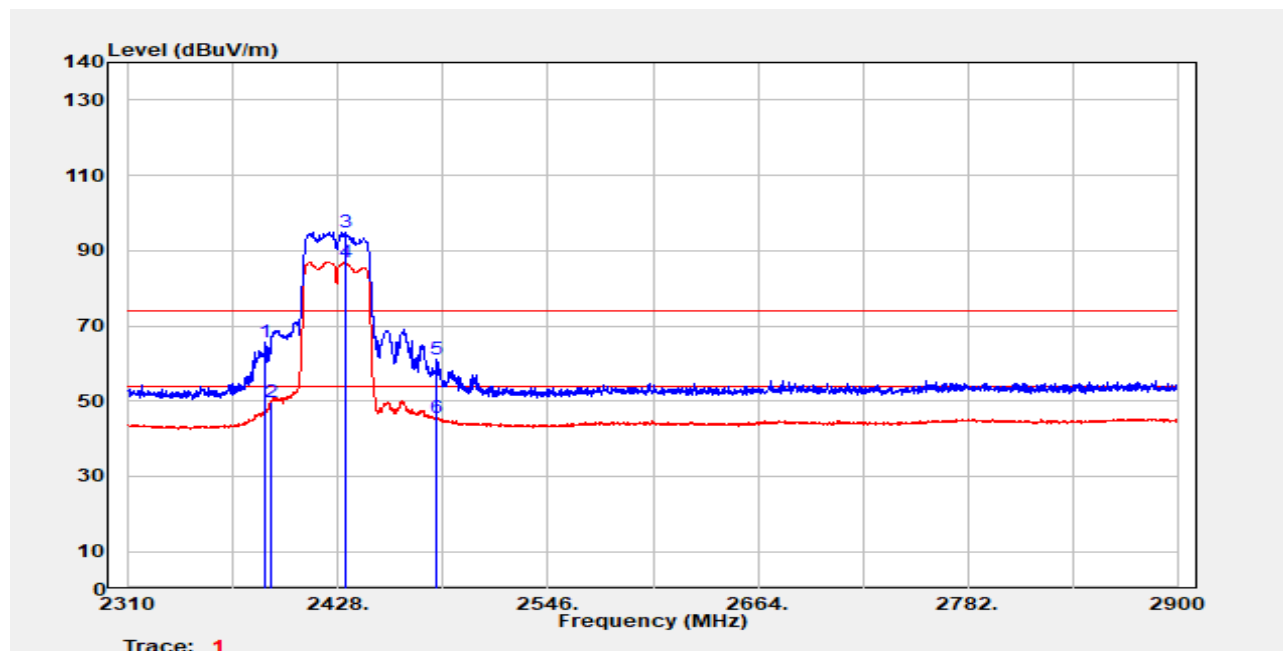
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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2427 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-16
 Temp./Humi. :22.2°C/71%
 Antenna Pol. :Vertical
 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
2387.12	Peak	62.84	2.92	65.76	74.00	-8.24
2389.87	Average	46.70	2.96	49.66	54.00	-4.34
2432.56	Peak	91.92	3.03	94.95	-	-
2432.56	Average	83.94	3.03	86.97	-	-
2483.50	Peak	57.99	2.98	60.97	74.00	-13.03
2483.50	Average	42.47	2.98	45.45	54.00	-8.55

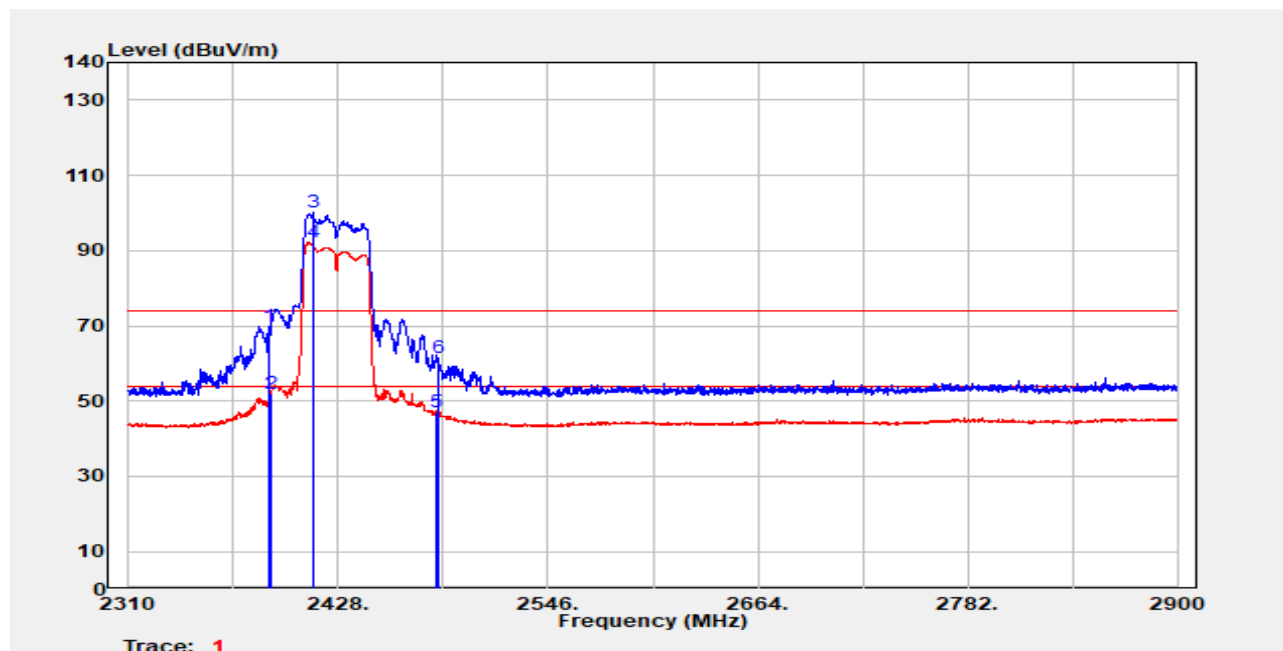
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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2427 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-16
 Temp./Humi. :22.2°C/71%
 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
2389.09	Peak	66.91	2.95	69.86	74.00	-4.14
2389.87	Average	49.14	2.96	52.10	54.00	-1.90
2413.48	Peak	97.19	2.91	100.10	-	-
2413.48	Average	89.32	2.91	92.23	-	-
2483.50	Average	44.20	2.98	47.18	54.00	-6.82
2483.72	Peak	58.40	2.98	61.38	74.00	-12.62

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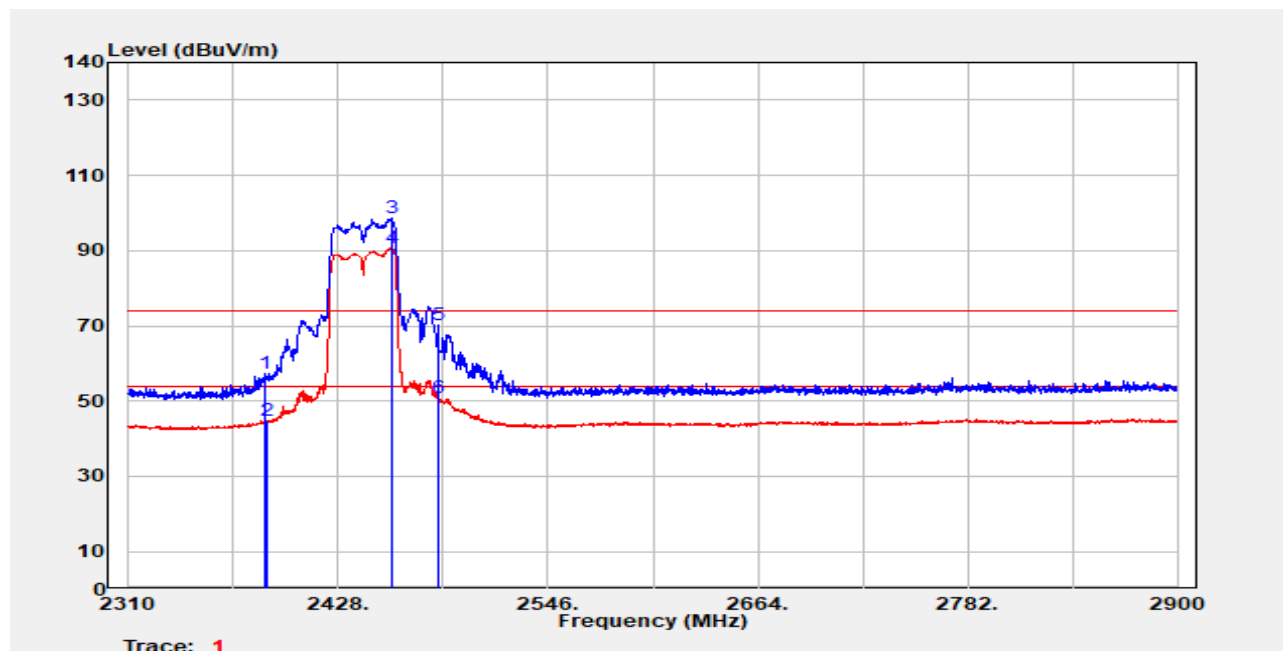
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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2442 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-16
 Temp./Humi. :22.2°C/71%
 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
2386.33	Peak	54.53	2.91	57.44	74.00	-16.56
2388.30	Average	41.95	2.93	44.88	54.00	-9.12
2457.94	Peak	95.89	2.84	98.73	-	-
2457.94	Average	87.91	2.84	90.75	-	-
2484.31	Peak	67.37	2.98	70.35	74.00	-3.65
2484.50	Average	48.01	2.99	51.00	54.00	-3.00

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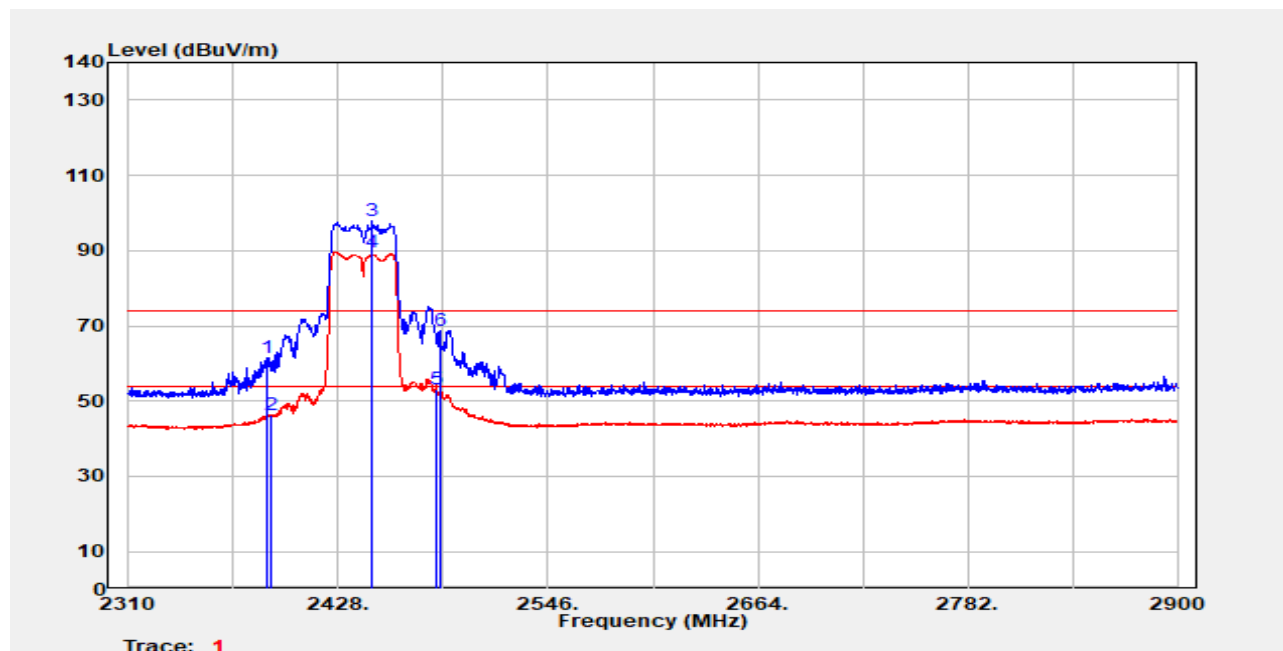
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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2442 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-16
 Temp./Humi. :22.2°C/71%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



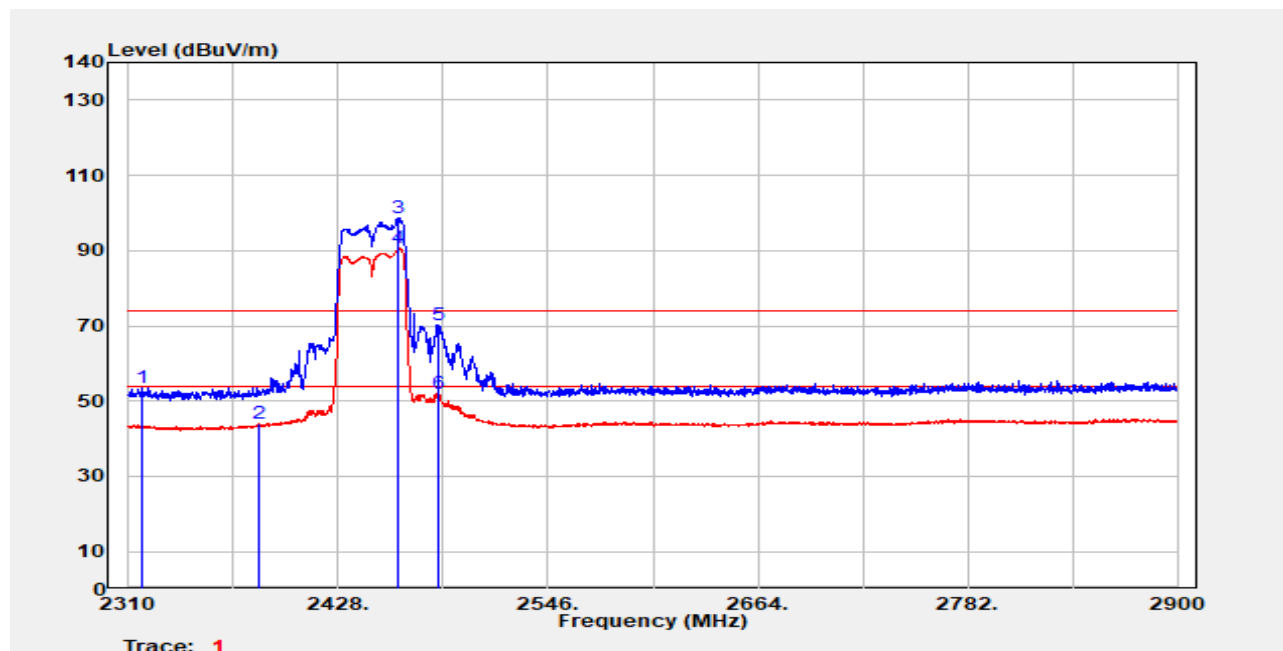
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2387.51	Peak	58.72	2.93	61.65	74.00	-12.35
2389.68	Average	43.37	2.96	46.33	54.00	-7.67
2446.93	Peak	94.83	2.93	97.76	-	-
2446.93	Average	86.77	2.93	89.70	-	-
2483.50	Average	50.02	2.98	53.00	54.00	-1.00
2485.29	Peak	65.85	2.99	68.84	74.00	-5.16

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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2447 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-16
 Temp./Humi. :22.2°C/71%
 Antenna Pol. :Vertical
 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
2317.08	Peak	50.53	3.11	53.64	74.00	-20.36
2383.18	Average	41.05	2.88	43.93	54.00	-10.07
2461.09	Peak	95.93	2.83	98.76	-	-
2461.09	Average	87.69	2.83	90.52	-	-
2483.72	Peak	67.21	2.98	70.19	74.00	-3.81
2483.72	Average	48.93	2.98	51.91	54.00	-2.09

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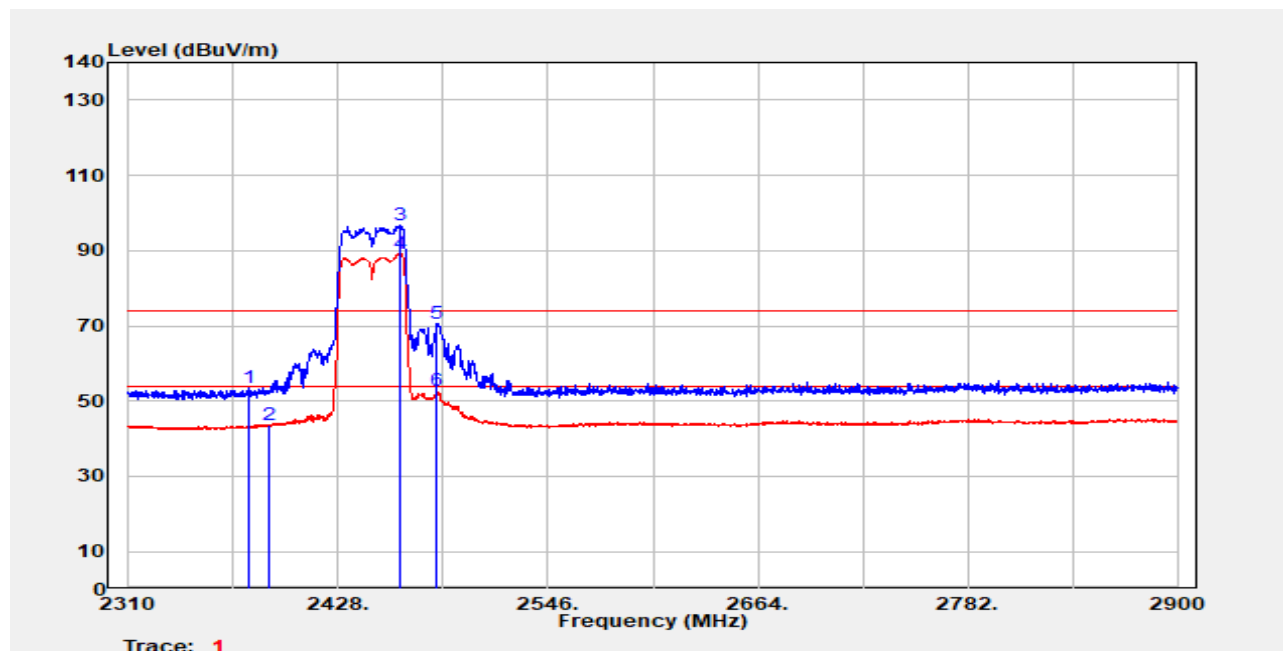
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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2447 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-16
 Temp./Humi. :22.2°C/71%
 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
2378.07	Peak	50.77	2.83	53.60	74.00	-20.40
2389.09	Average	40.85	2.95	43.80	54.00	-10.20
2462.86	Peak	94.10	2.83	96.93	-	-
2462.86	Average	86.39	2.83	89.22	-	-
2483.50	Peak	67.72	2.98	70.70	74.00	-3.30
2483.50	Average	49.62	2.98	52.60	54.00	-1.40

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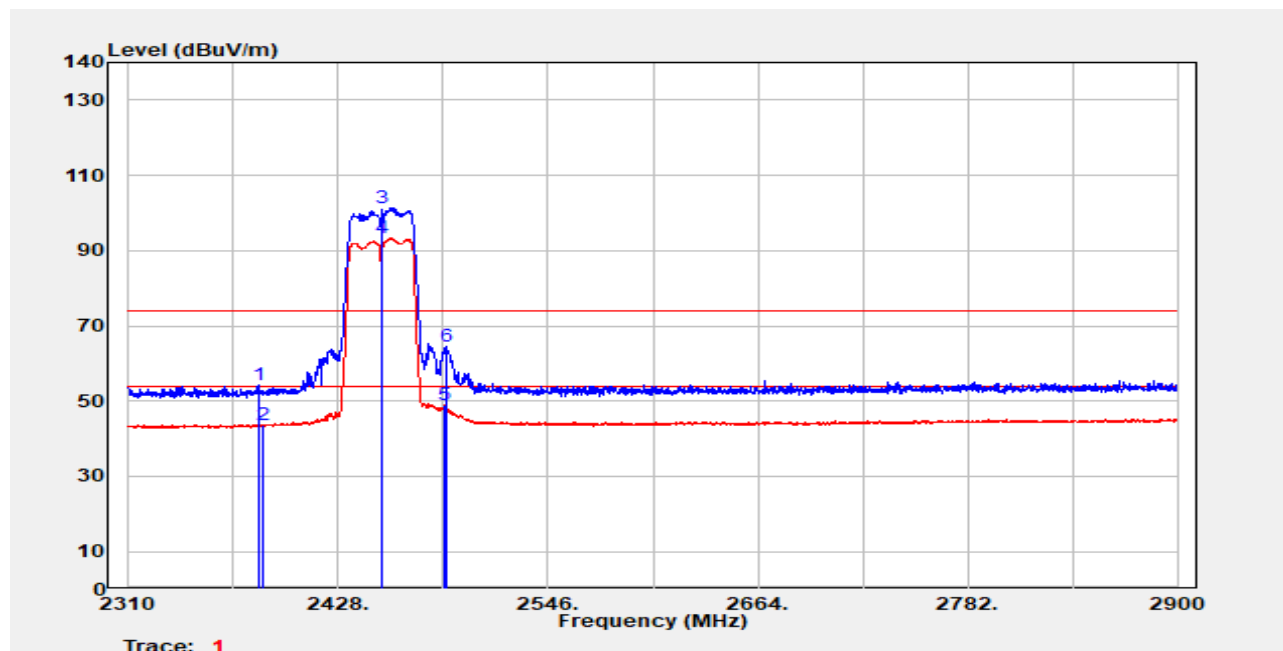
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Member of SGS Group

Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



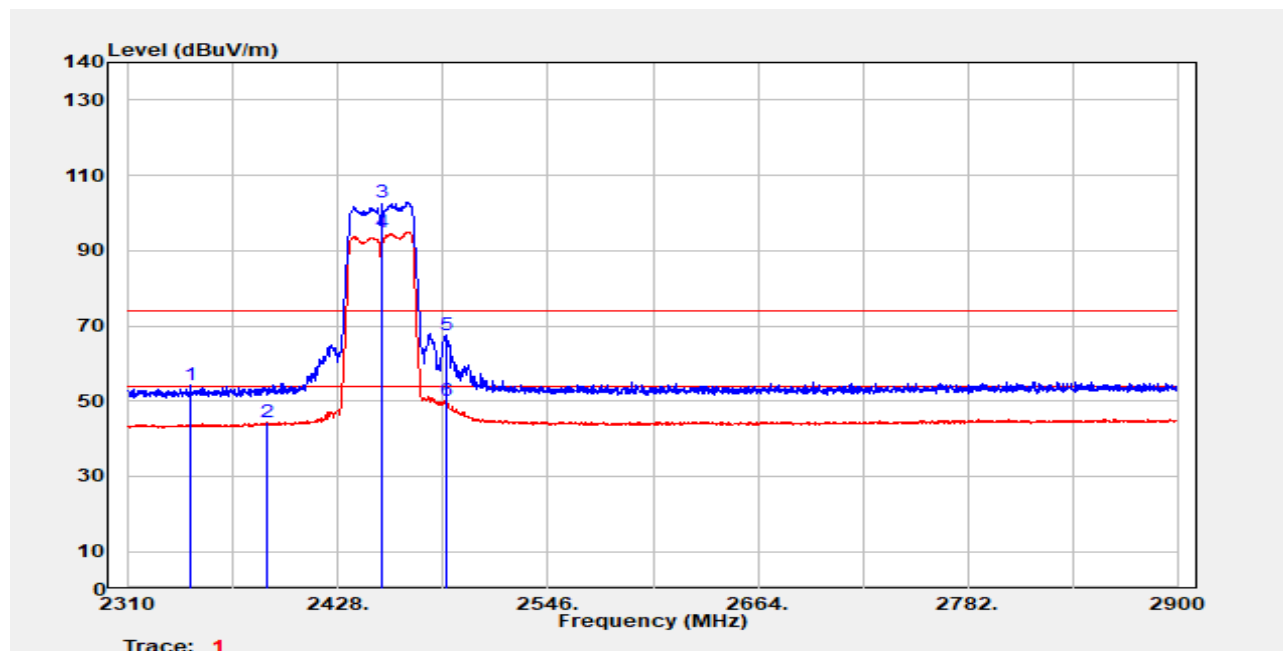
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2383.38	Peak	51.42	2.88	54.30	74.00	-19.70
2385.35	Average	40.86	2.90	43.76	54.00	-10.24
2452.00	Peak	98.42	2.88	101.30	-	-
2452.00	Average	90.35	2.88	93.23	-	-
2488.04	Average	45.98	2.99	48.97	54.00	-5.03
2488.24	Peak	61.55	2.99	64.54	74.00	-9.46

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Report Number :TERF2503001061E2
Operation Mode :802.11n40
Test Frequency :2452 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-05-29
Temp./Humi. :20°C/56%
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
2344.82	Peak	51.18	2.97	54.15	74.00	-19.85
2387.51	Average	41.37	2.93	44.30	54.00	-9.70
2452.00	Peak	99.94	2.88	102.82	-	-
2452.00	Average	92.02	2.88	94.90	-	-
2488.24	Peak	64.48	2.99	67.47	74.00	-6.53
2488.44	Average	47.10	2.99	50.09	54.00	-3.91

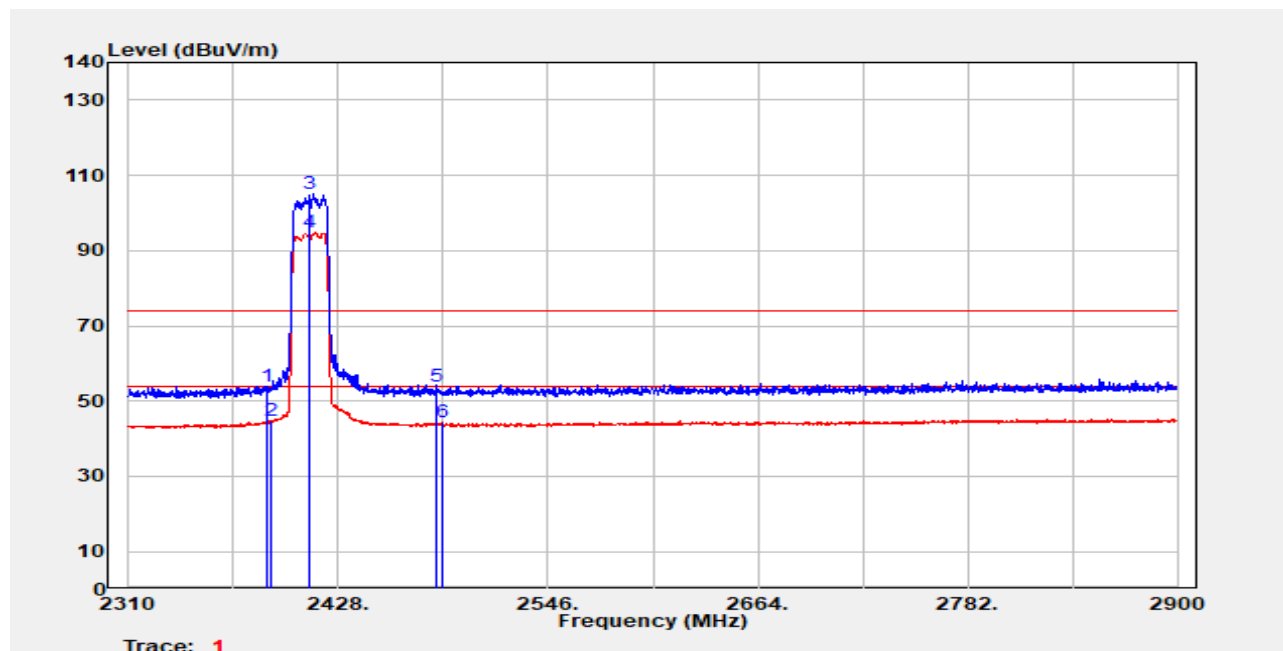
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Vertical
 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	Peak	51.03	2.93	53.96	74.00	-20.04
2389.68	Average	41.73	2.96	44.69	54.00	-9.31
2412.00	Peak	102.06	2.91	104.97	-	-
2412.00	Average	91.84	2.91	94.75	-	-
2483.50	Peak	50.91	2.98	53.89	74.00	-20.11
2486.67	Average	41.21	2.99	44.20	54.00	-9.80

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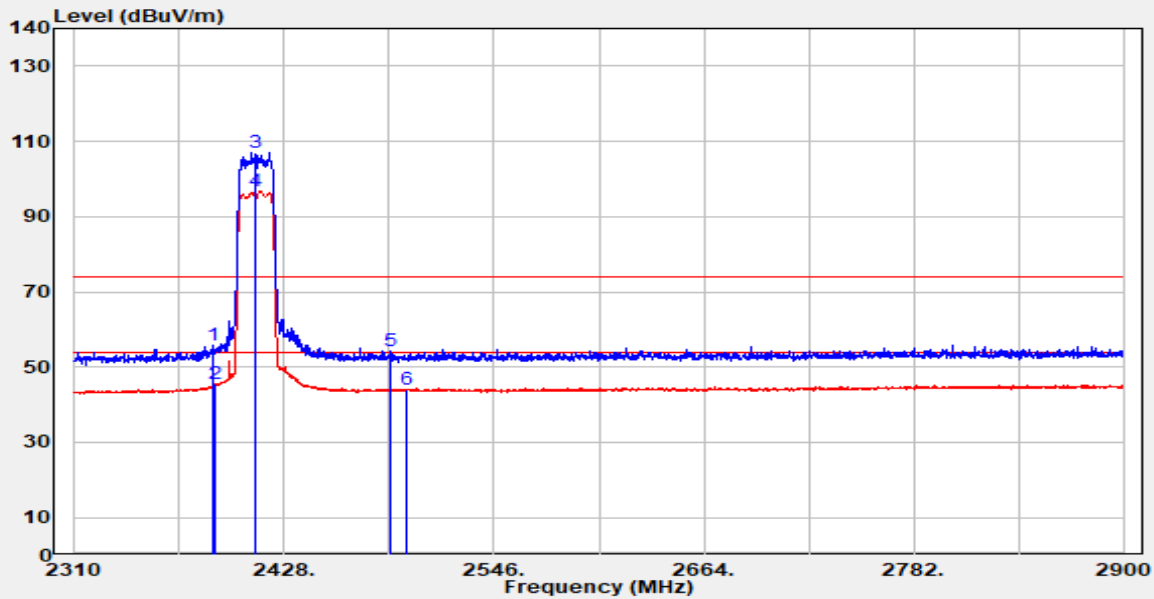
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



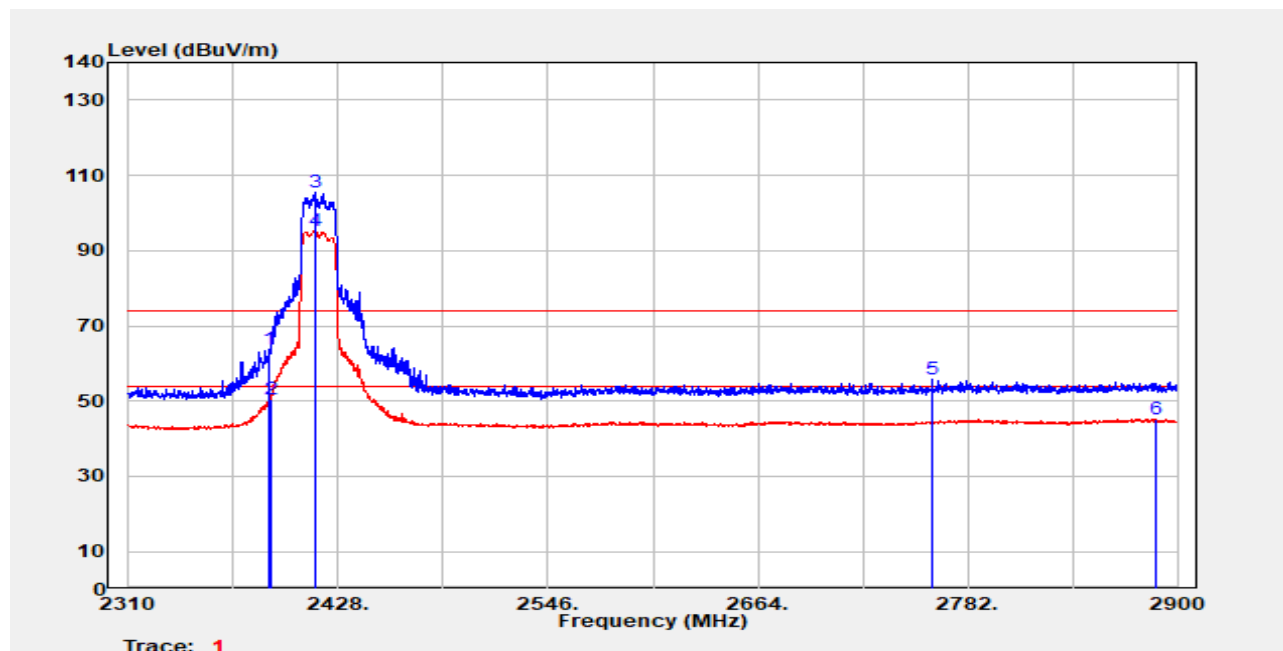
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2387.32	Peak	52.68	2.92	55.60	74.00	-18.40
2389.09	Average	42.73	2.95	45.68	54.00	-8.32
2412.00	Peak	104.10	2.91	107.01	-	-
2412.00	Average	93.71	2.91	96.62	-	-
2487.85	Peak	51.15	2.99	54.14	74.00	-19.86
2496.90	Average	41.10	3.02	44.12	54.00	-9.88

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Report Number :TERF2503001061E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2417 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-16
 Temp./Humi. :22.2°C/71%
 Antenna Pol. :Vertical
 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
2389.28	Peak	60.87	2.95	63.82	74.00	-10.18
2389.87	Average	47.64	2.96	50.60	54.00	-3.40
2414.66	Peak	102.50	2.91	105.41	-	-
2414.66	Average	92.34	2.91	95.25	-	-
2762.09	Peak	51.70	4.02	55.72	74.00	-18.28
2888.20	Average	40.55	4.63	45.18	54.00	-8.82

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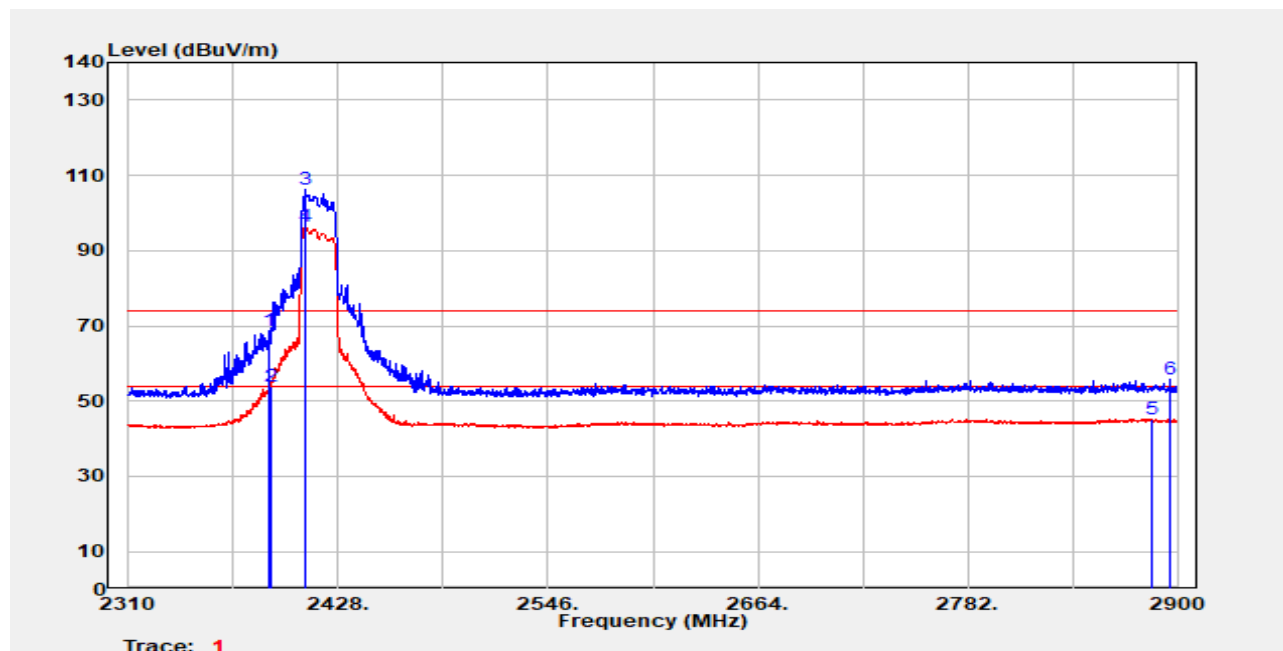
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Report Number :TERF2503001061E2
Operation Mode :802.11ax20 RU Full
Test Frequency :2417 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-06-16
Temp./Humi. :22.2°C/71%
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
2389.09	Peak	65.69	2.95	68.64	74.00	-5.36
2389.87	Average	50.82	2.96	53.78	54.00	-0.22
2409.55	Peak	103.28	2.91	106.19	-	-
2409.55	Average	93.38	2.91	96.29	-	-
2886.03	Average	40.56	4.63	45.19	54.00	-8.81
2895.67	Peak	50.94	4.64	55.58	74.00	-18.42

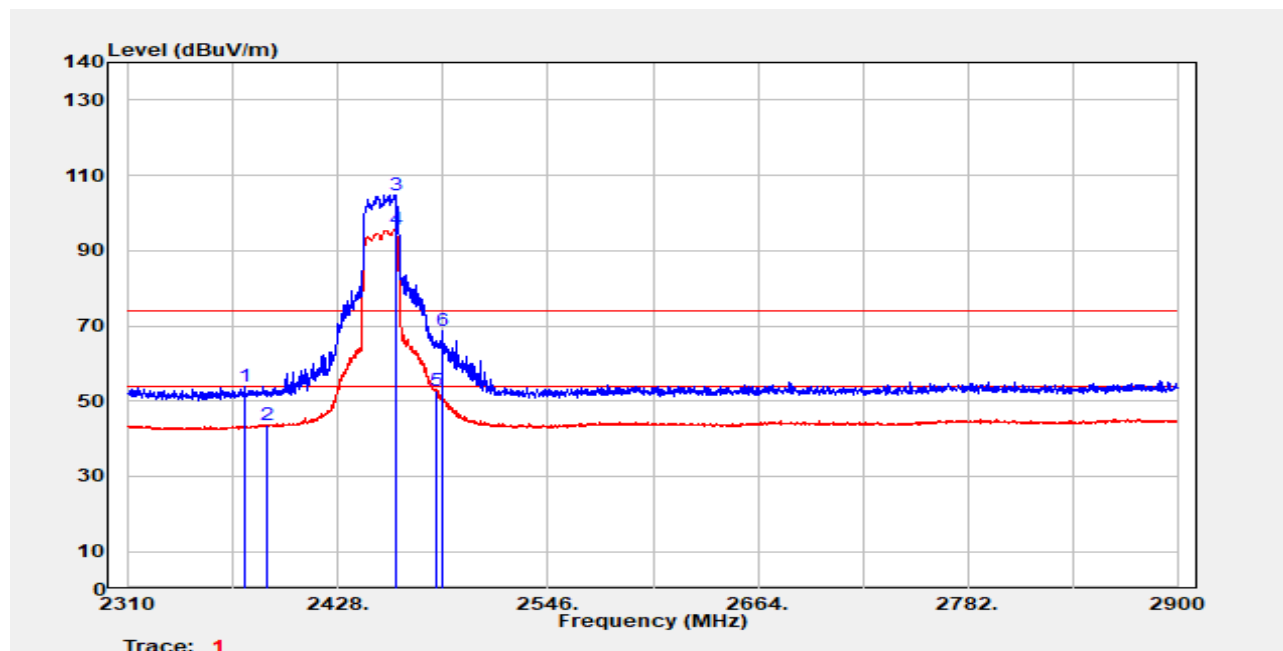
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-16
 Temp./Humi. :22.2°C/71%
 Antenna Pol. :Vertical
 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
2375.12	Peak	50.93	2.83	53.76	74.00	-20.24
2388.30	Average	40.88	2.93	43.81	54.00	-10.19
2460.30	Peak	101.97	2.83	104.80	-	-
2460.30	Average	92.86	2.83	95.69	-	-
2483.50	Average	49.91	2.98	52.89	54.00	-1.11
2486.27	Peak	65.82	2.99	68.81	74.00	-5.19

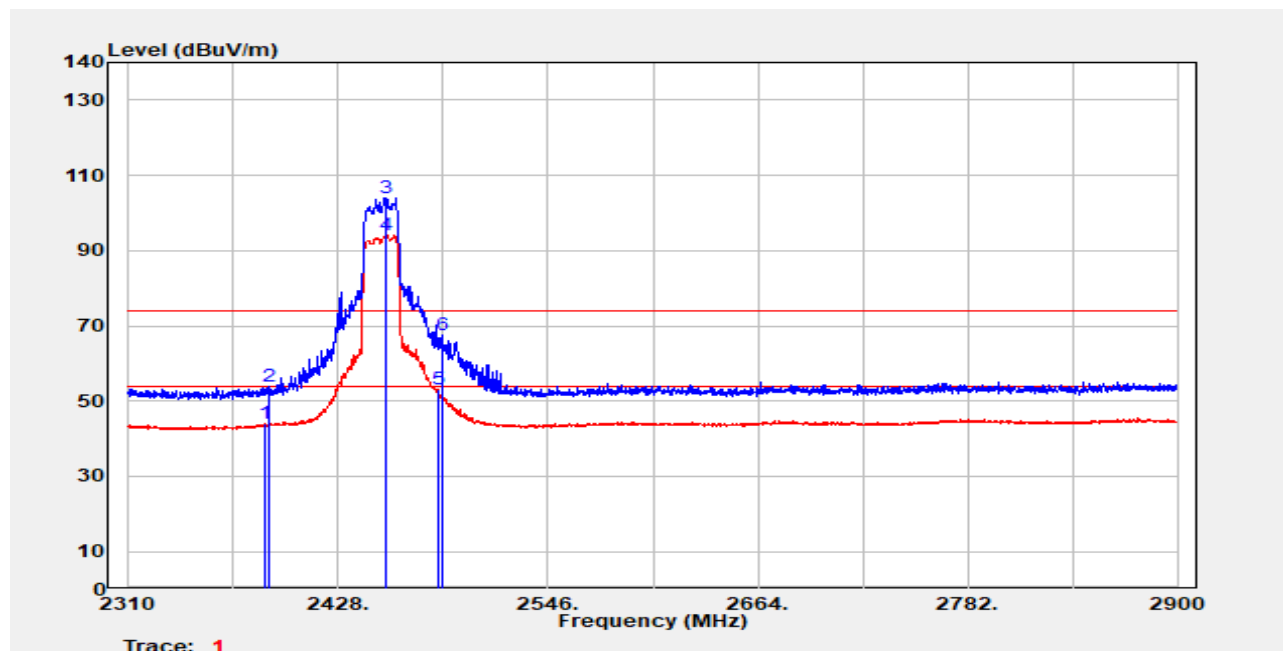
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-16
 Temp./Humi. :22.2°C/71%
 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
2386.73	Average	41.07	2.92	43.99	54.00	-10.01
2388.89	Peak	50.75	2.95	53.70	74.00	-20.30
2454.21	Peak	101.25	2.87	104.12	-	-
2454.21	Average	91.24	2.87	94.11	-	-
2483.72	Average	50.07	2.98	53.05	54.00	-0.95
2486.67	Peak	64.44	2.99	67.43	74.00	-6.57

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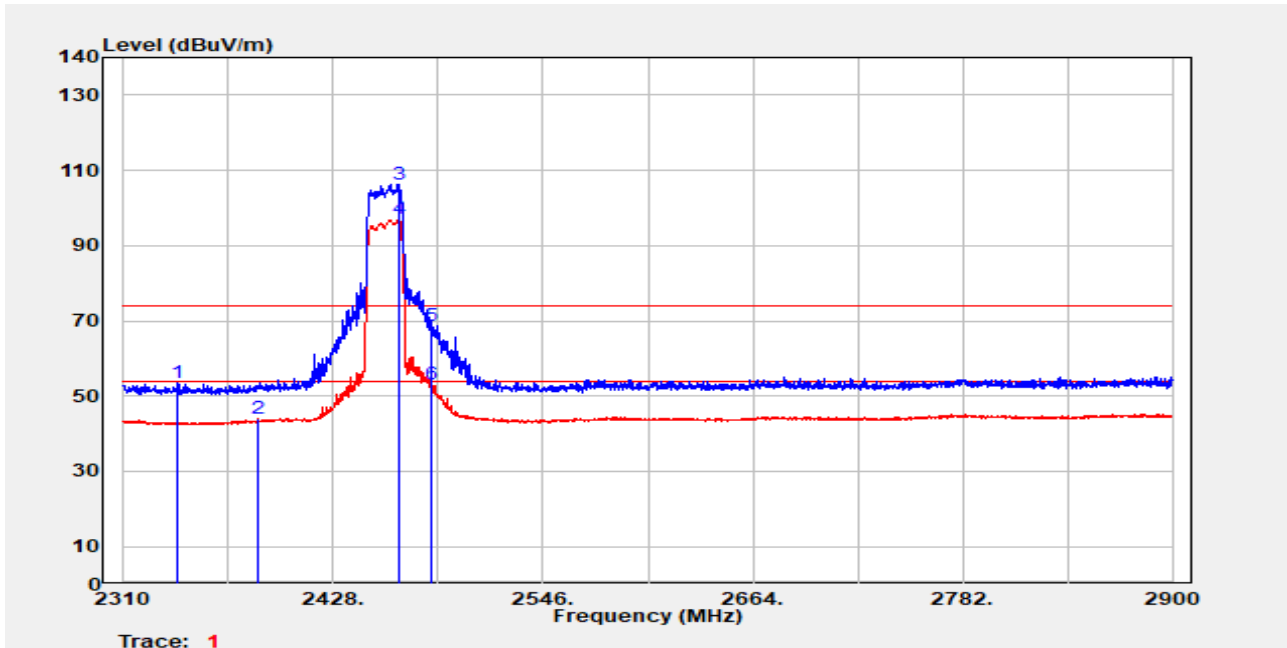
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2457 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-16
 Temp./Humi. :22.2°C/71%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



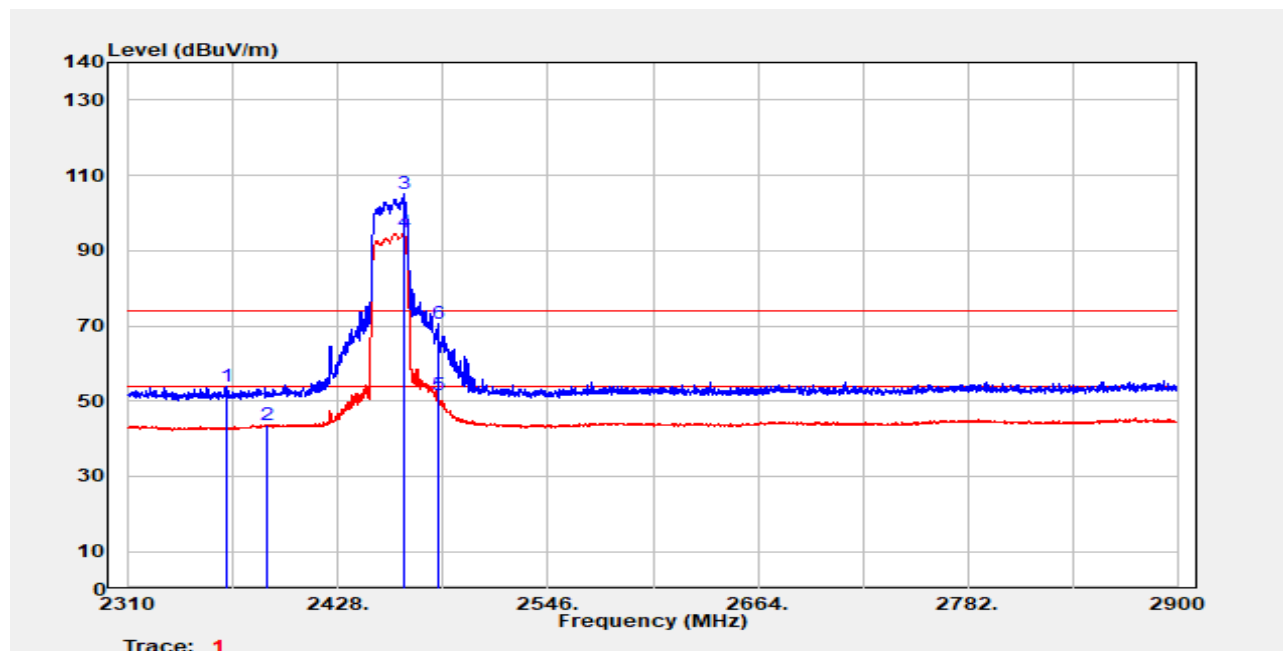
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2339.90	Peak	50.67	2.96	53.63	74.00	-20.37
2385.35	Average	40.98	2.90	43.88	54.00	-10.12
2465.22	Peak	103.50	2.83	106.33	-	-
2465.22	Average	94.25	2.83	97.08	-	-
2483.50	Peak	65.80	2.98	68.78	74.00	-5.22
2483.50	Average	50.17	2.98	53.15	54.00	-0.85

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Report Number :TERF2503001061E2
Operation Mode :802.11ax20 RU Full
Test Frequency :2457 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-06-16
Temp./Humi. :22.2°C/71%
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
2364.69	Peak	50.90	2.86	53.76	74.00	-20.24
2387.32	Average	40.73	2.92	43.65	54.00	-10.35
2464.83	Peak	102.27	2.83	105.10	-	-
2464.83	Average	91.85	2.83	94.68	-	-
2483.72	Average	48.52	2.98	51.50	54.00	-2.50
2483.91	Peak	67.45	2.98	70.43	74.00	-3.57

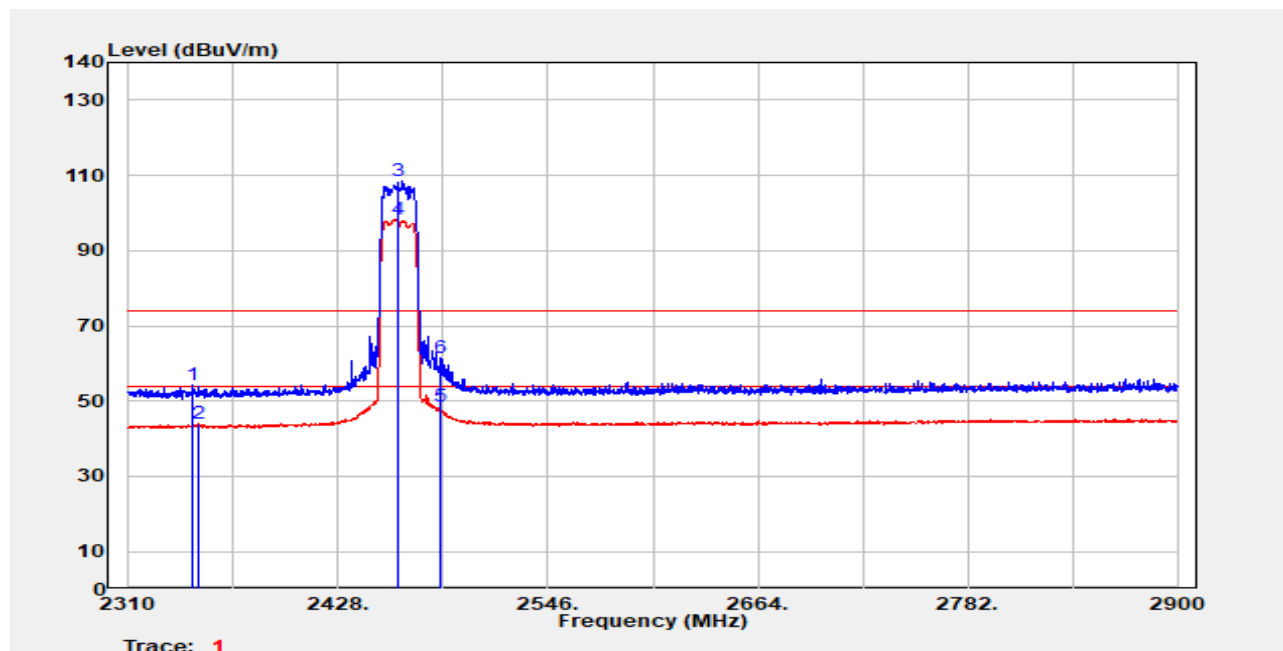
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



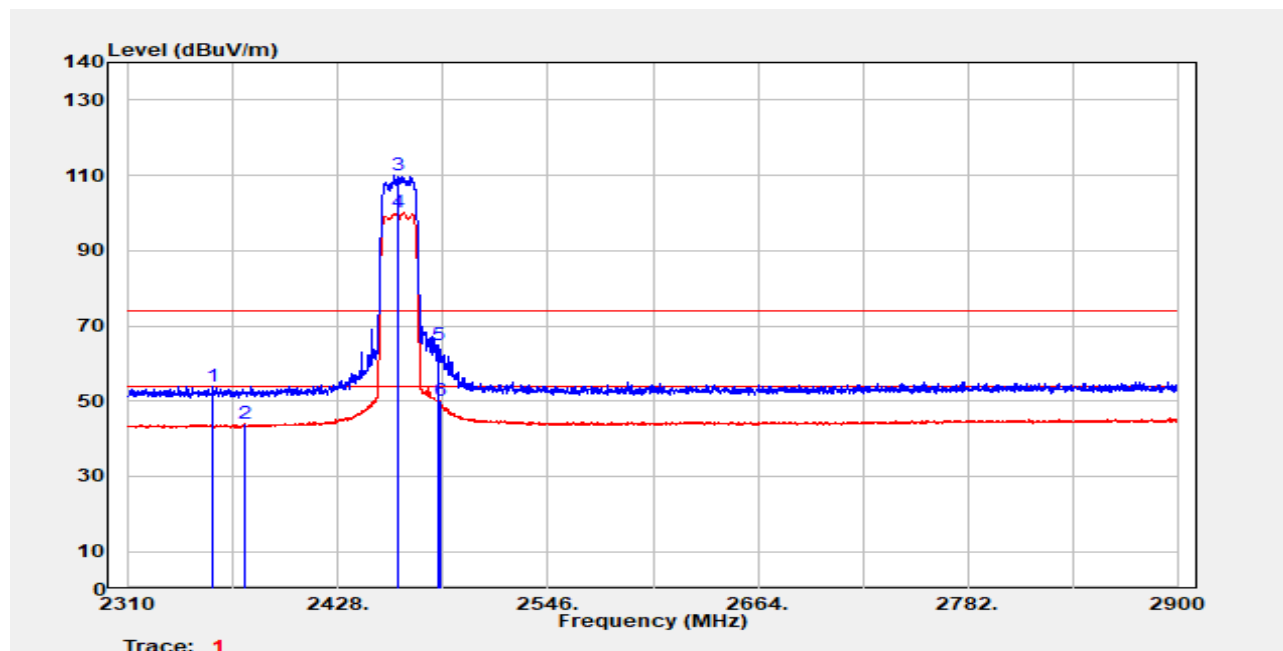
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2346.00	Peak	51.46	2.97	54.43	74.00	-19.57
2349.54	Average	40.92	2.97	43.89	54.00	-10.11
2462.00	Peak	105.58	2.83	108.41	-	-
2462.00	Average	95.52	2.83	98.35	-	-
2484.90	Average	45.43	2.99	48.42	54.00	-5.58
2485.88	Peak	58.36	2.99	61.35	74.00	-12.65

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Report Number :TERF2503001061E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°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
2356.82	Peak	50.87	2.92	53.79	74.00	-20.21
2374.92	Average	41.03	2.83	43.86	54.00	-10.14
2462.00	Peak	107.36	2.83	110.19	-	-
2462.00	Average	97.23	2.83	100.06	-	-
2484.70	Peak	62.02	2.99	65.01	74.00	-8.99
2485.09	Average	47.27	2.99	50.26	54.00	-3.74

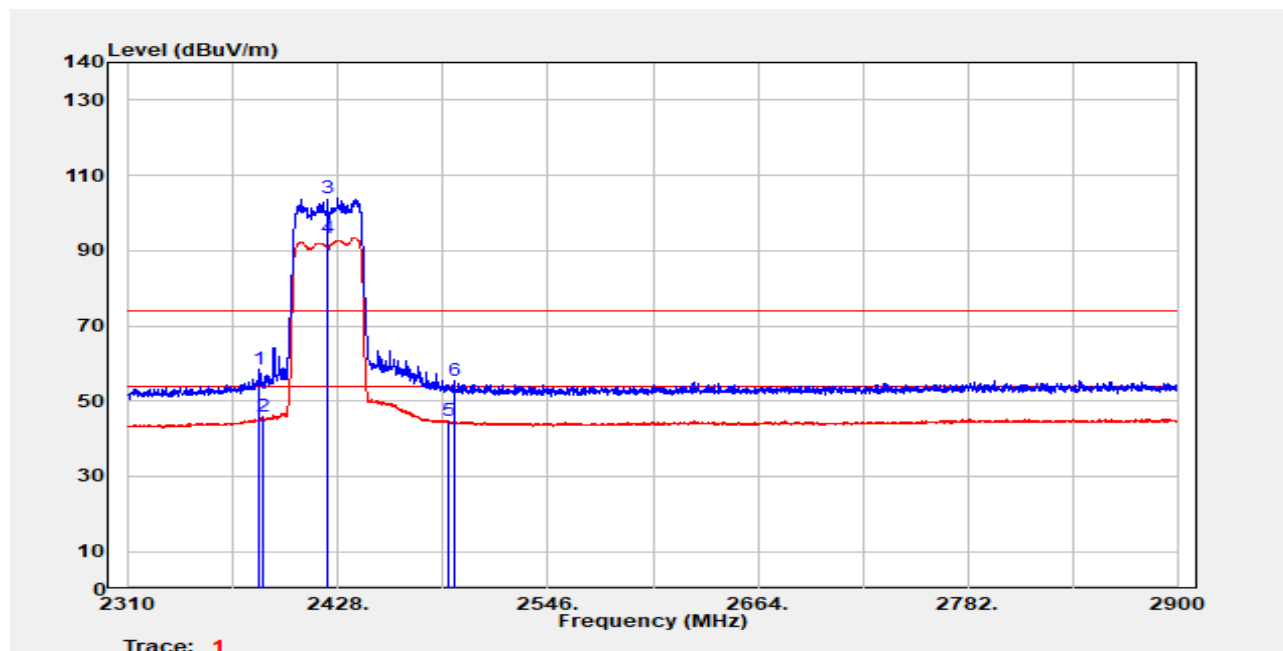
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2422 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°C/56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



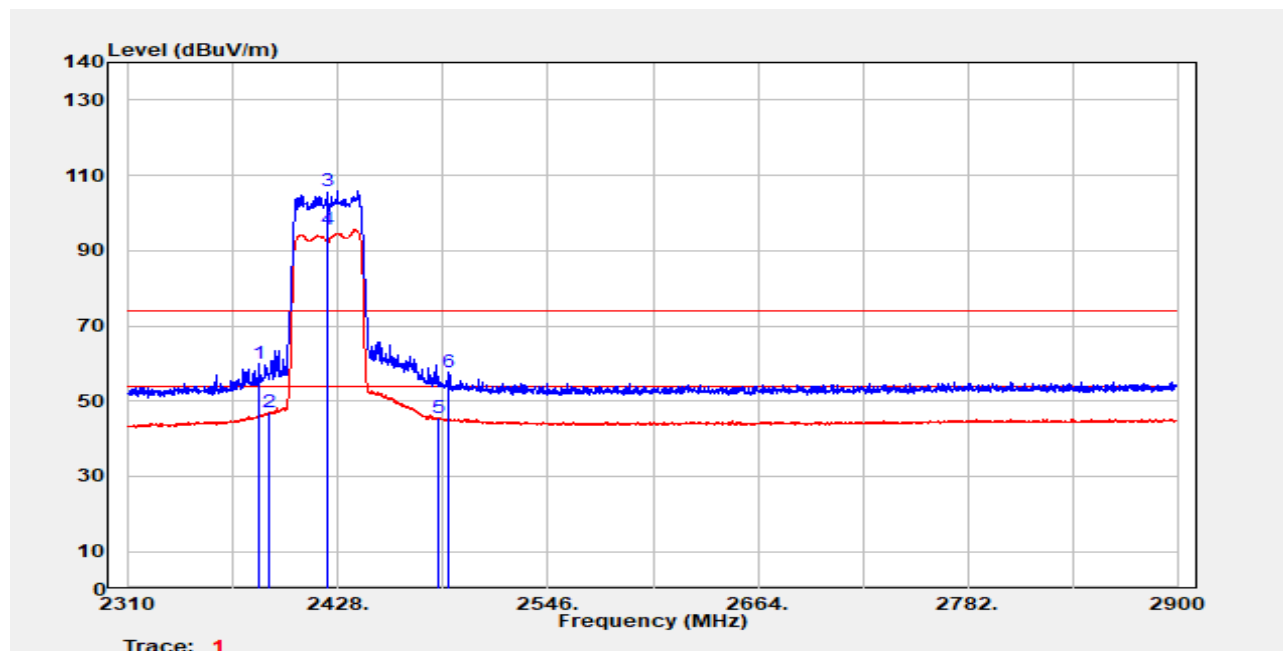
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2383.38	Peak	55.39	2.88	58.27	74.00	-15.73
2385.55	Average	42.95	2.91	45.86	54.00	-8.14
2422.00	Peak	100.93	2.96	103.89	-	-
2422.00	Average	90.41	2.96	93.37	-	-
2489.81	Average	41.89	2.99	44.88	54.00	-9.12
2493.35	Peak	52.57	3.00	55.57	74.00	-18.43

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Report Number :TERF2503001061E2
Operation Mode :802.11ax40 RU Full
Test Frequency :2422 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-05-29
Temp./Humi. :20°C/56%
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
2383.18	Peak	57.12	2.88	60.00	74.00	-14.00
2389.09	Average	44.00	2.95	46.95	54.00	-7.05
2422.00	Peak	102.88	2.96	105.84	-	-
2422.00	Average	92.63	2.96	95.59	-	-
2484.31	Average	42.68	2.98	45.66	54.00	-8.34
2490.40	Peak	54.74	2.99	57.73	74.00	-16.27

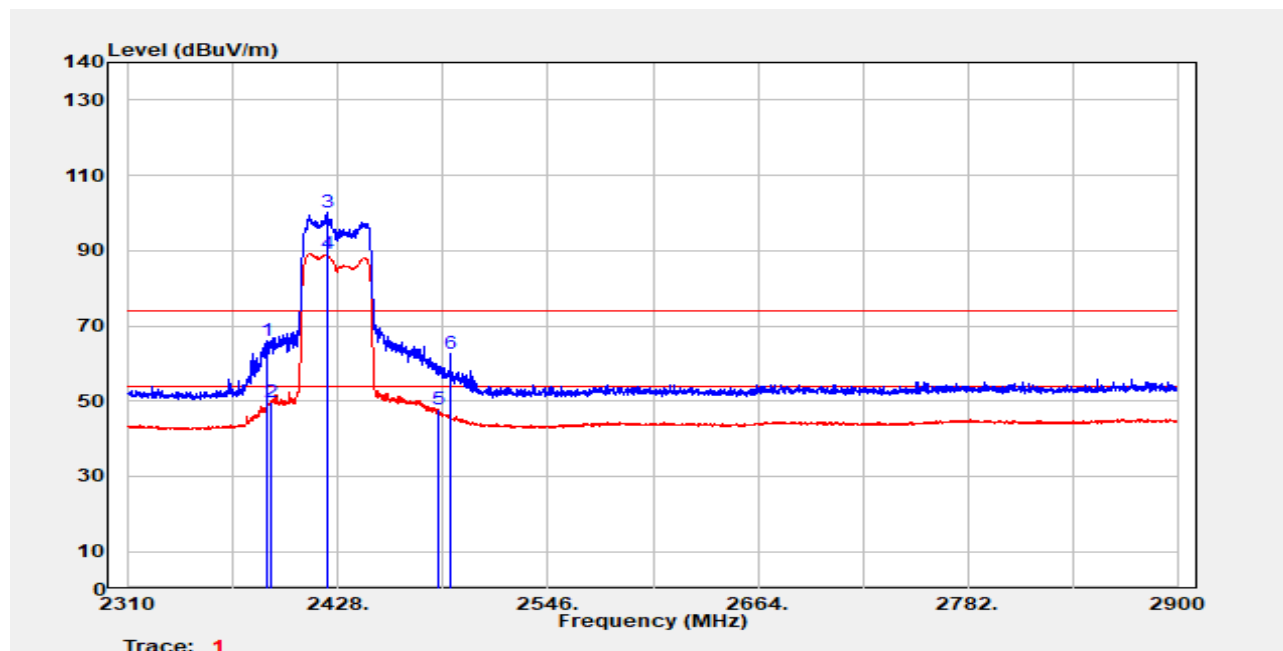
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2427 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-16
 Temp./Humi. :22.2°C/71%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



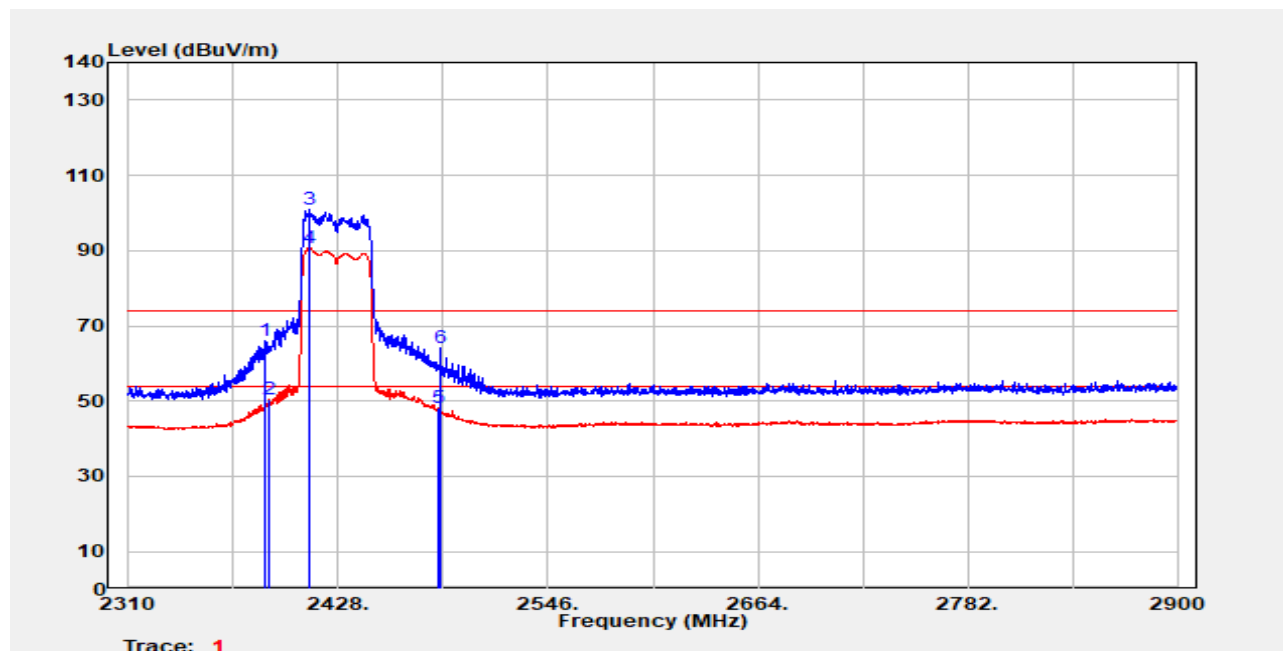
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.10	Peak	63.17	2.93	66.10	74.00	-7.90
2389.87	Average	46.85	2.96	49.81	54.00	-4.19
2422.14	Peak	97.08	2.96	100.04	-	-
2422.14	Average	86.23	2.96	89.19	-	-
2483.91	Average	44.76	2.98	47.74	54.00	-6.26
2491.19	Peak	59.57	3.00	62.57	74.00	-11.43

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Report Number :TERF2503001061E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2427 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-16
 Temp./Humi. :22.2°C/71%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



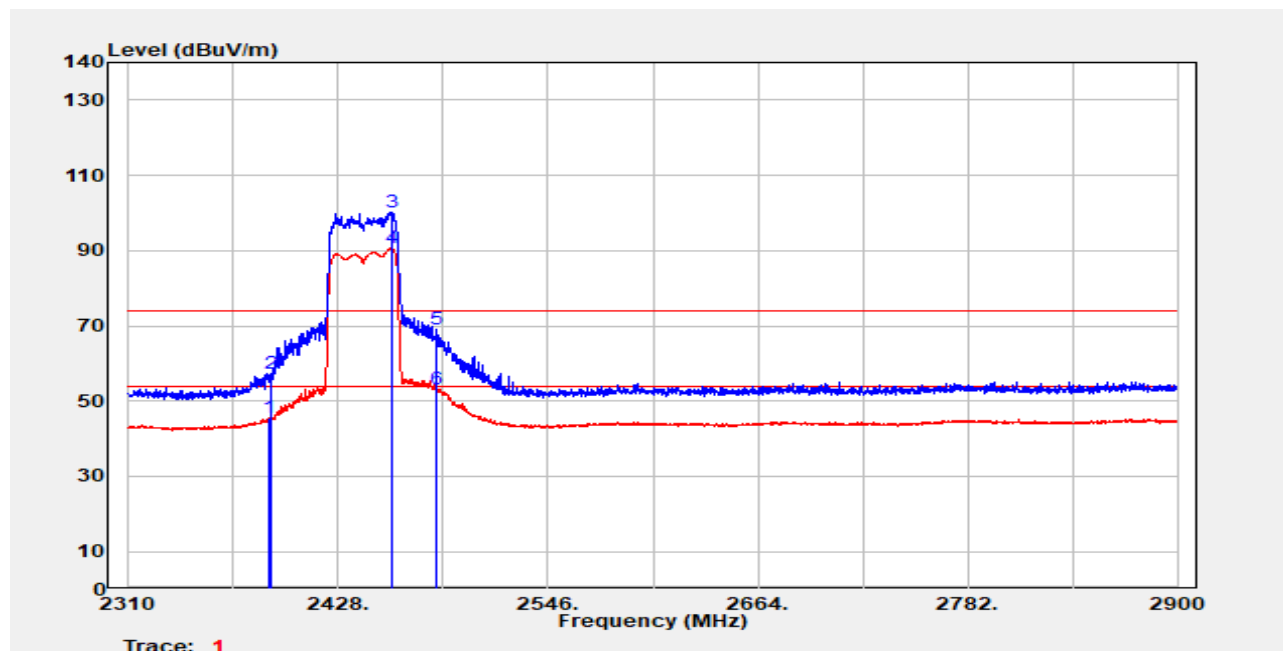
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2387.12	Peak	63.08	2.92	66.00	74.00	-8.00
2388.69	Average	47.36	2.95	50.31	54.00	-3.69
2411.71	Peak	98.18	2.91	101.09	-	-
2411.71	Average	87.83	2.91	90.74	-	-
2484.11	Average	45.22	2.98	48.20	54.00	-5.80
2485.68	Peak	61.02	2.99	64.01	74.00	-9.99

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Report Number :TERF2503001061E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2442 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-16
 Temp./Humi. :22.2°C/71%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



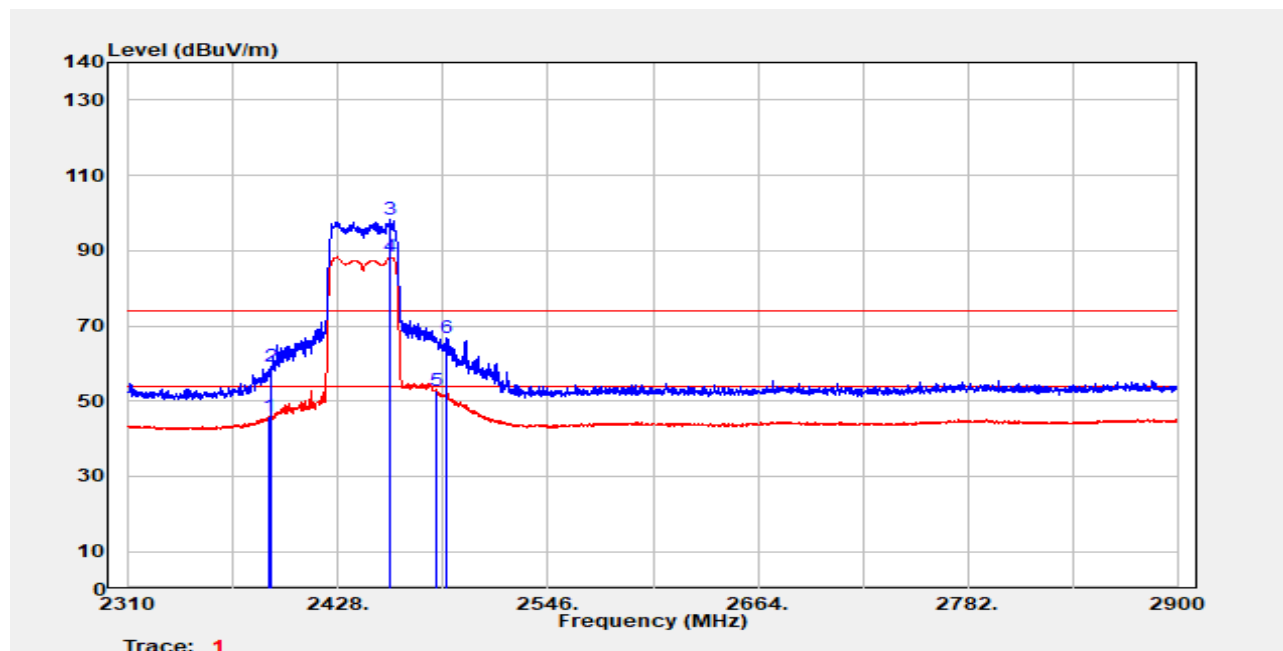
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.89	Average	42.65	2.95	45.60	54.00	-8.40
2389.87	Peak	54.48	2.96	57.44	74.00	-16.56
2458.53	Peak	97.38	2.83	100.21	-	-
2458.53	Average	87.93	2.83	90.76	-	-
2483.50	Peak	66.08	2.98	69.06	74.00	-4.94
2483.50	Average	50.09	2.98	53.07	54.00	-0.93

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Report Number :TERF2503001061E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2442 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-16
 Temp./Humi. :22.2°C/71%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



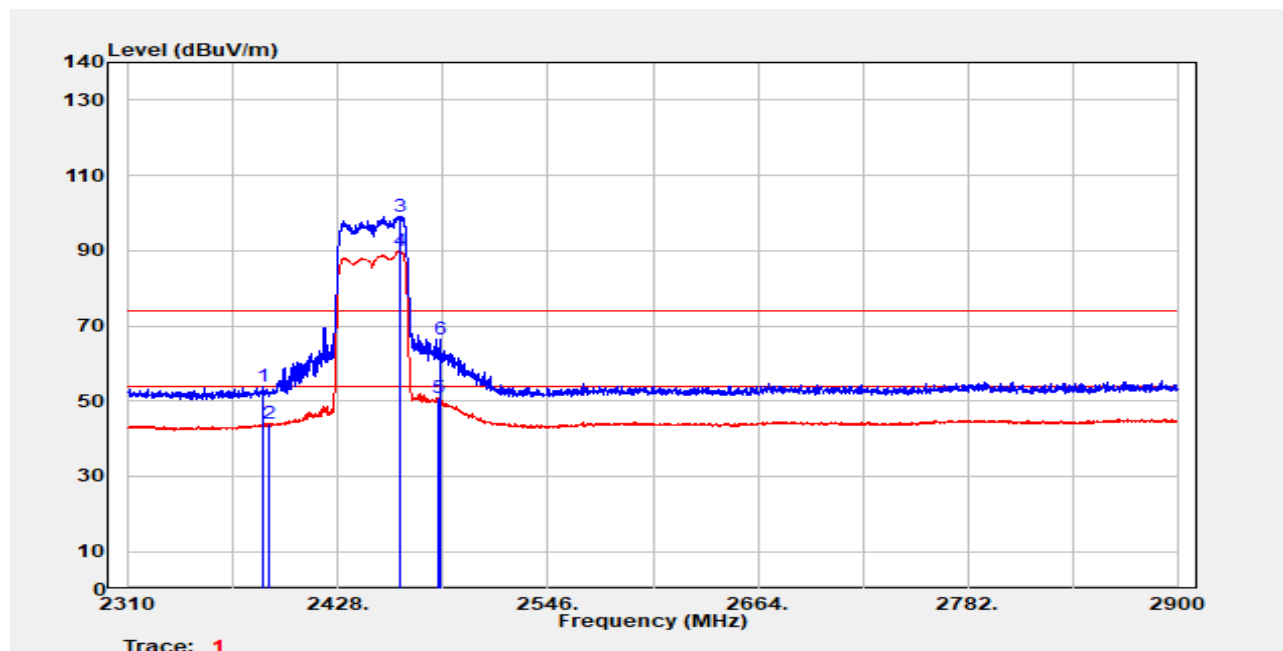
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.48	Average	42.84	2.95	45.79	54.00	-8.21
2389.87	Peak	56.09	2.96	59.05	74.00	-14.95
2457.16	Peak	95.27	2.85	98.12	-	-
2457.16	Average	85.61	2.85	88.46	-	-
2483.50	Average	49.60	2.98	52.58	54.00	-1.42
2488.83	Peak	63.97	2.99	66.96	74.00	-7.04

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Report Number :TERF2503001061E2
Operation Mode :802.11ax40 RU Full
Test Frequency :2447 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2025-06-16
Temp./Humi. :22.2°C/71%
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
2385.55	Peak	51.10	2.91	54.01	74.00	-19.99
2388.69	Average	40.99	2.95	43.94	54.00	-10.06
2463.06	Peak	96.36	2.83	99.19	-	-
2463.06	Average	87.03	2.83	89.86	-	-
2484.31	Average	47.73	2.98	50.71	54.00	-3.29
2484.90	Peak	63.45	2.99	66.44	74.00	-7.56

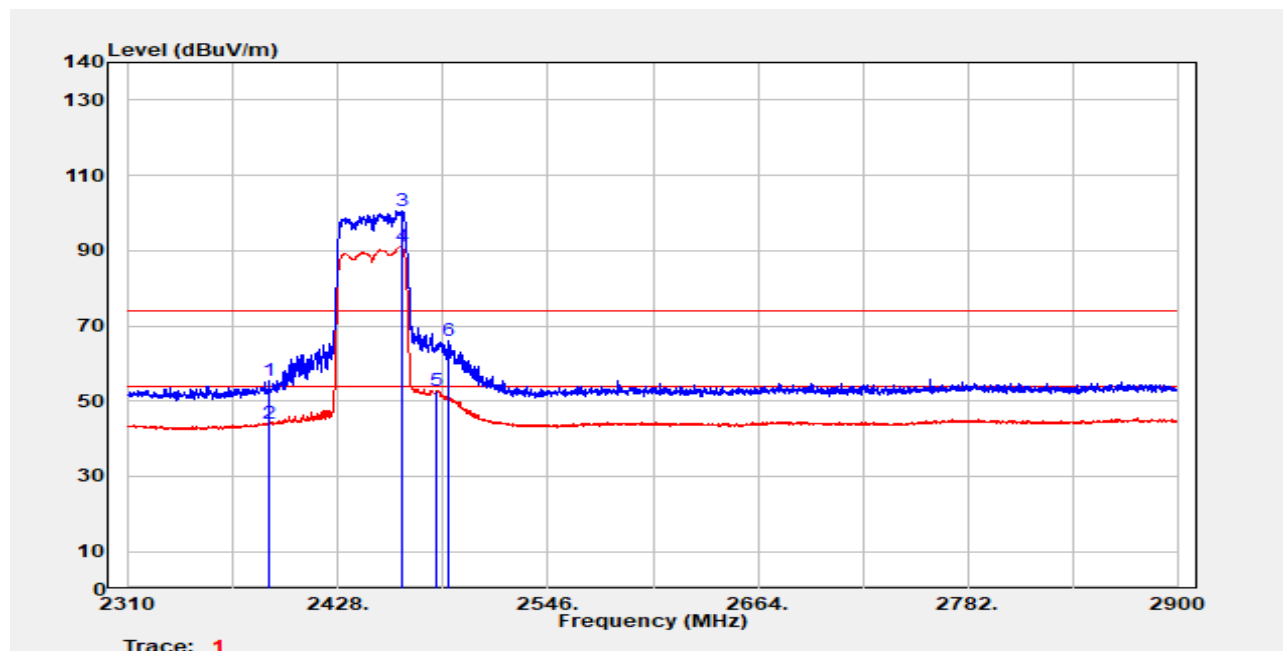
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2447 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-16
 Temp./Humi. :22.2°C/71%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



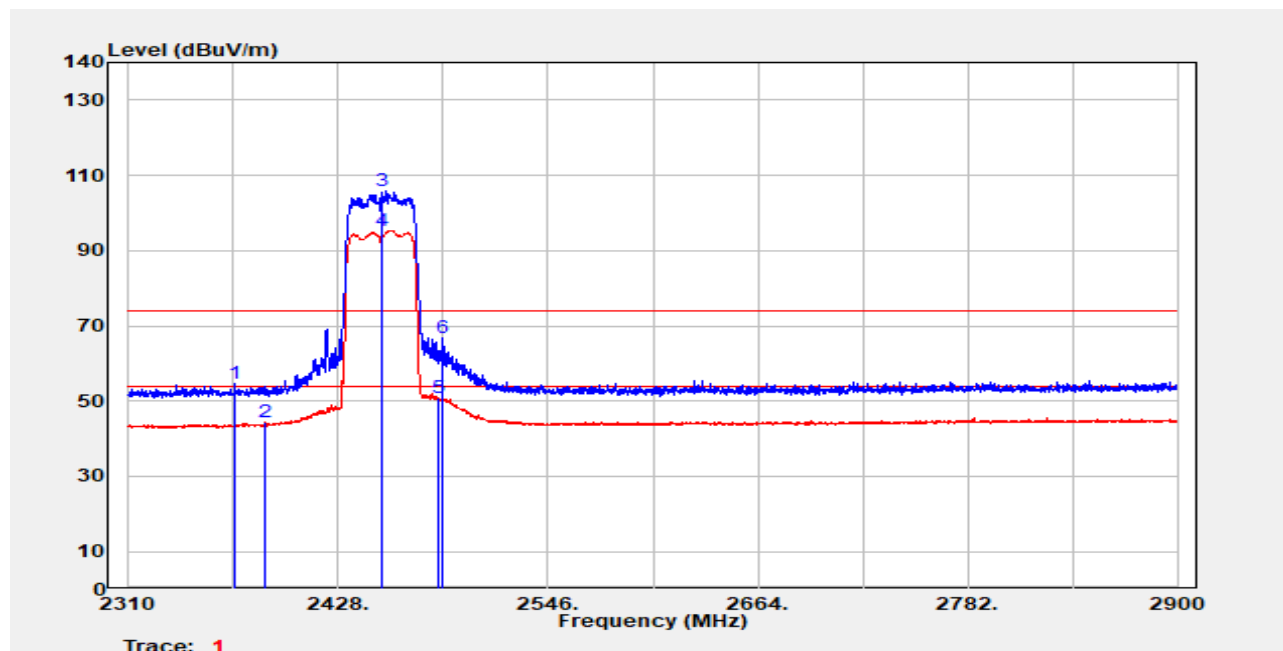
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.09	Peak	52.52	2.95	55.47	74.00	-18.53
2389.48	Average	41.22	2.95	44.17	54.00	-9.83
2464.24	Peak	97.58	2.83	100.41	-	-
2464.24	Average	88.18	2.83	91.01	-	-
2483.50	Average	49.85	2.98	52.83	54.00	-1.17
2490.40	Peak	62.95	2.99	65.94	74.00	-8.06

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Report Number :TERF2503001061E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°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
2369.81	Peak	51.83	2.82	54.65	74.00	-19.35
2386.92	Average	41.32	2.92	44.24	54.00	-9.76
2452.00	Peak	102.86	2.88	105.74	-	-
2452.00	Average	92.37	2.88	95.25	-	-
2484.50	Average	47.95	2.99	50.94	54.00	-3.06
2486.86	Peak	63.73	2.99	66.72	74.00	-7.28

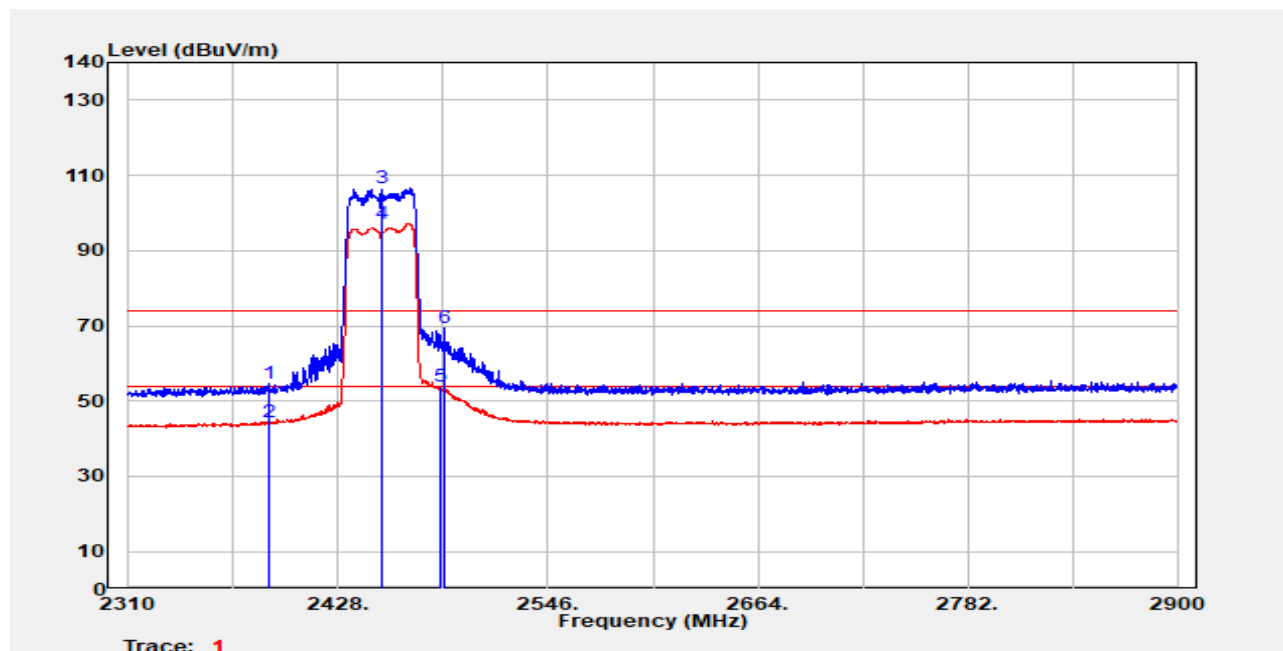
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-05-29
 Temp./Humi. :20°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
2389.09	Peak	51.83	2.95	54.78	74.00	-19.22
2389.48	Average	41.38	2.95	44.33	54.00	-9.67
2452.00	Peak	103.78	2.88	106.66	-	-
2452.00	Average	94.34	2.88	97.22	-	-
2485.68	Average	50.73	2.99	53.72	54.00	-0.28
2487.85	Peak	66.49	2.99	69.48	74.00	-4.52

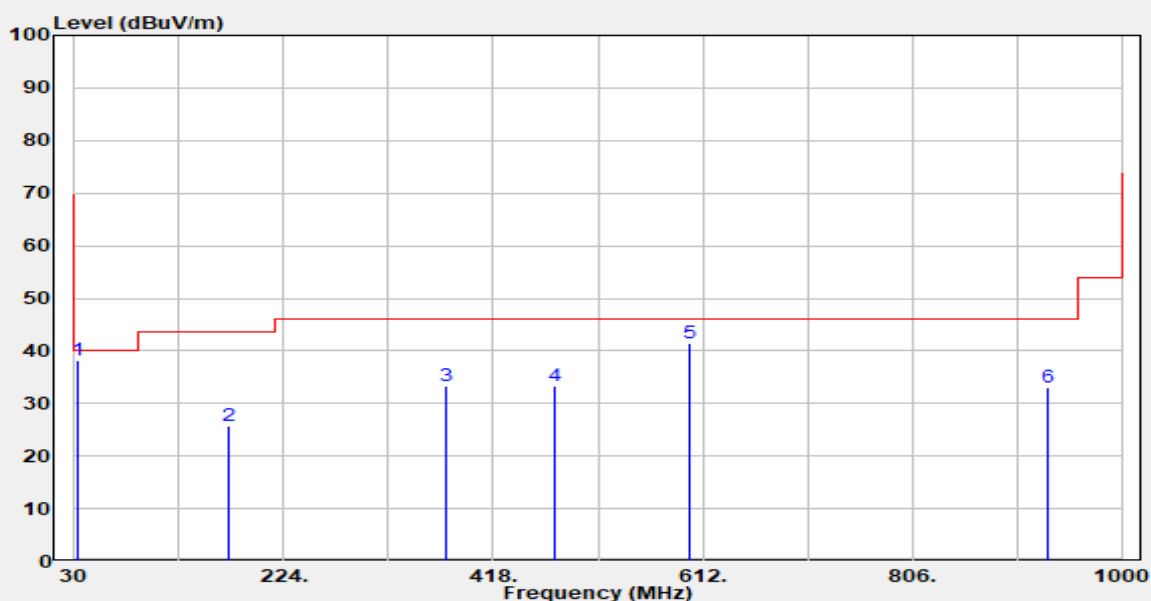
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9.6.2 Spurious Emission:

Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-19
 Temp./Humi. :24.5°C /56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



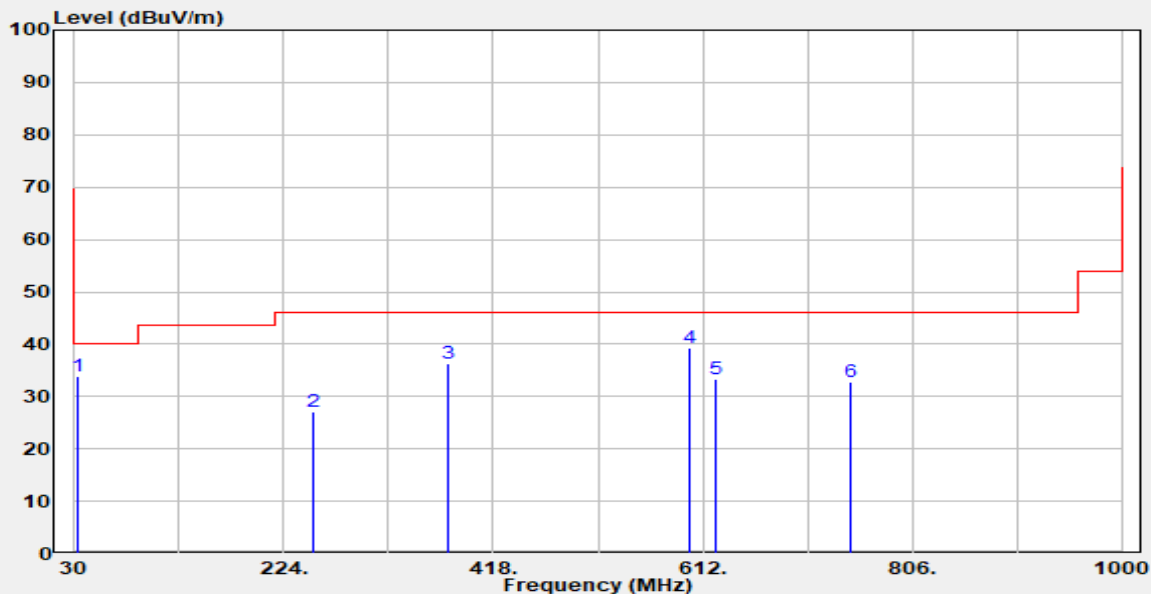
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
33.88	QP	57.51	-19.20	38.31	40.00	-1.69
172.38	Peak	42.71	-17.07	25.64	43.50	-17.86
374.92	Peak	47.55	-14.12	33.43	46.00	-12.57
474.37	Peak	45.17	-11.85	33.32	46.00	-12.68
600.02	QP	50.70	-9.35	41.35	46.00	-4.65
931.11	Peak	37.72	-4.70	33.02	46.00	-12.98

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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-19
 Temp./Humi. :24.5°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



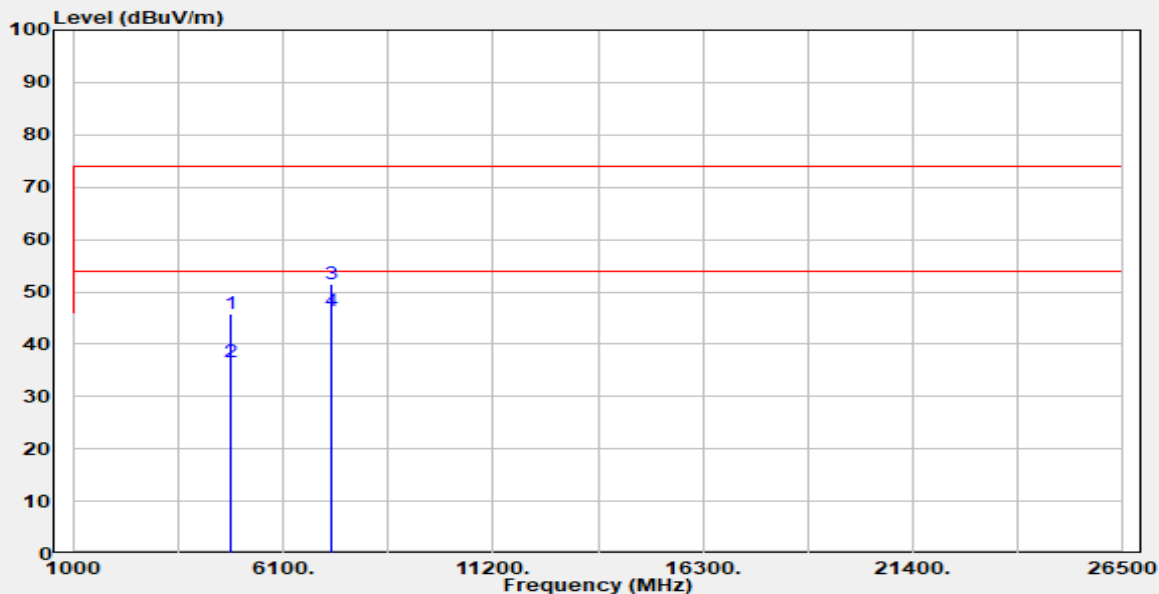
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
32.91	Peak	53.24	-19.31	33.93	40.00	-6.07
251.16	Peak	45.00	-17.90	27.10	46.00	-18.90
375.32	Peak	50.35	-14.09	36.26	46.00	-9.74
600.36	Peak	48.71	-9.34	39.37	46.00	-6.63
624.61	Peak	42.26	-9.05	33.21	46.00	-12.79
749.74	Peak	39.70	-6.93	32.77	46.00	-13.23

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Report Number :TERF2503001061E2
 Operation Mode :802.11b
 Test Frequency :2412 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-05
 Temp./Humi. :20.6°C/65%
 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
4824.00	Peak	36.45	9.48	45.93	74.00	-28.07
4824.00	Average	27.00	9.48	36.48	54.00	-17.52
7236.00	Peak	34.61	16.98	51.59	74.00	-22.41
7236.00	Average	29.50	16.98	46.48	54.00	-7.52

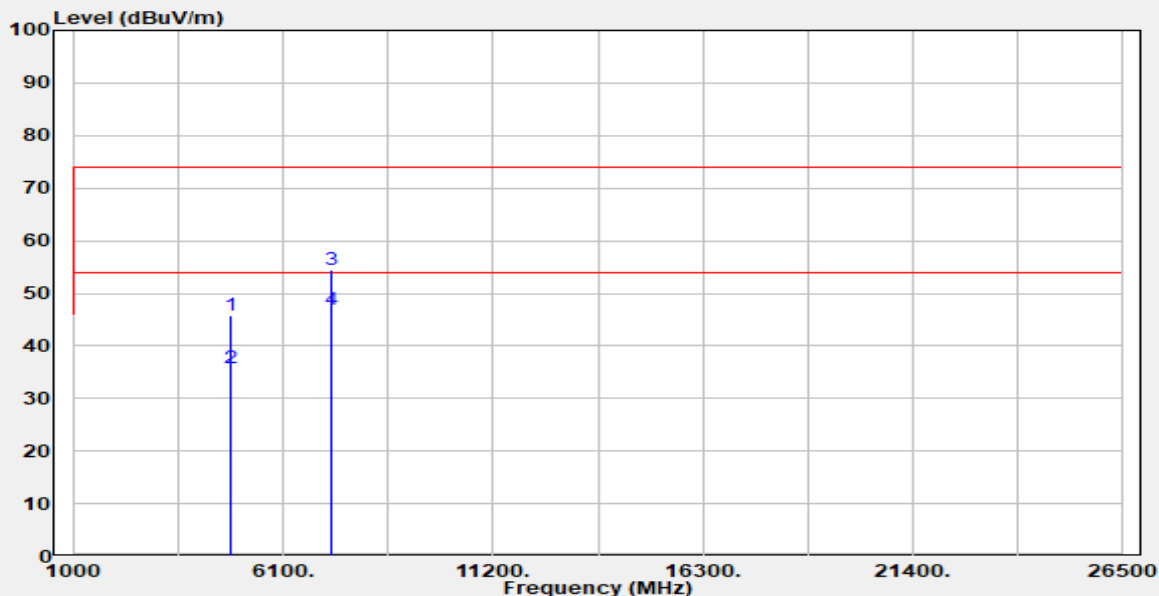
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Report Number :TERF2503001061E2
 Operation Mode :802.11b
 Test Frequency :2412 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-05
 Temp./Humi. :20.6°C/65%
 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
4824.00	Peak	36.28	9.48	45.76	74.00	-28.24
4824.00	Average	26.31	9.48	35.79	54.00	-18.21
7236.00	Peak	37.61	16.98	54.59	74.00	-19.41
7236.00	Average	29.93	16.98	46.91	54.00	-7.09

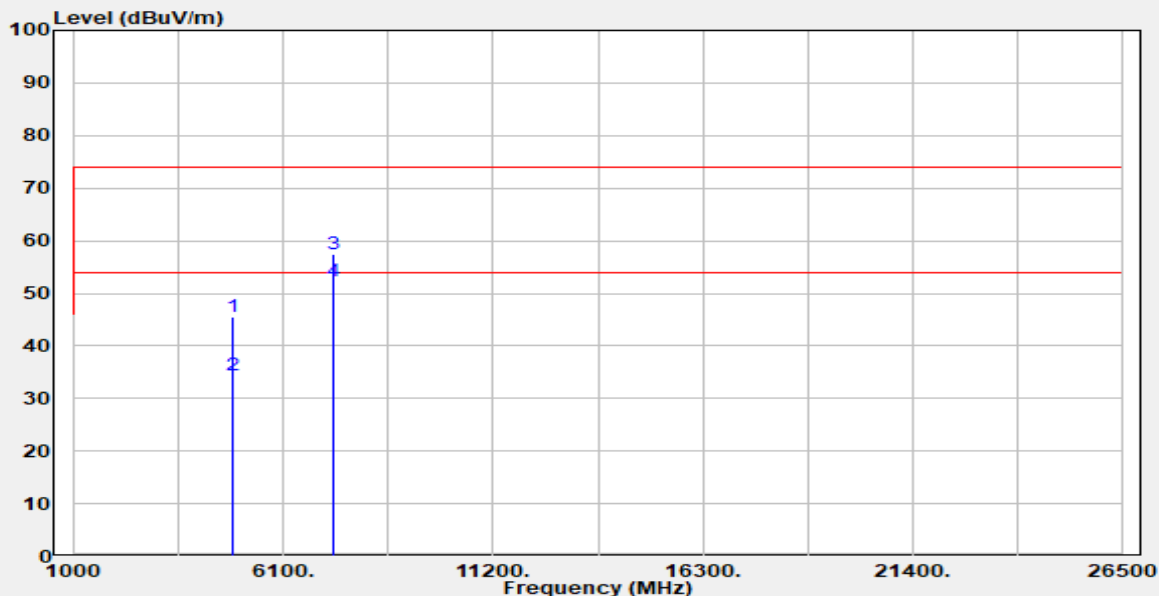
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Report Number :TERF2503001061E2
 Operation Mode :802.11b
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-05
 Temp./Humi. :20.6°C/65%
 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
4874.00	Peak	35.92	9.53	45.45	74.00	-28.55
4874.00	Average	24.94	9.53	34.47	54.00	-19.53
7311.00	Peak	40.11	17.45	57.56	74.00	-16.44
7311.00	Average	34.83	17.45	52.28	54.00	-1.72

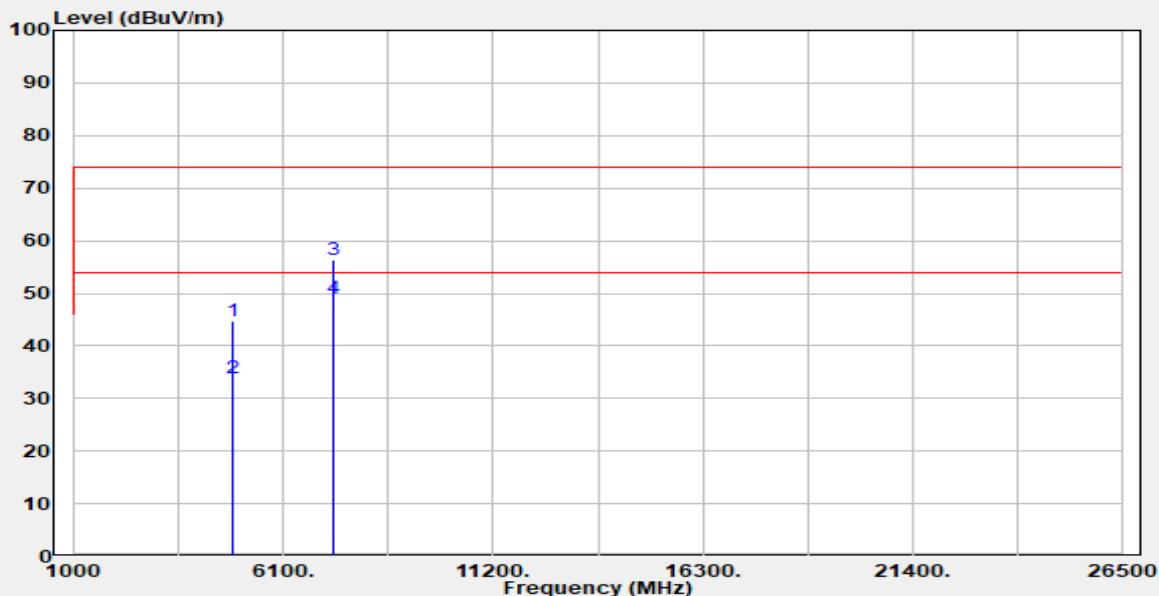
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Report Number :TERF2503001061E2
 Operation Mode :802.11b
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-05
 Temp./Humi. :20.6°C/65%
 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
4874.00	Peak	35.05	9.53	44.58	74.00	-29.42
4874.00	Average	24.28	9.53	33.81	54.00	-20.19
7311.00	Peak	39.00	17.45	56.45	74.00	-17.55
7311.00	Average	31.70	17.45	49.15	54.00	-4.85

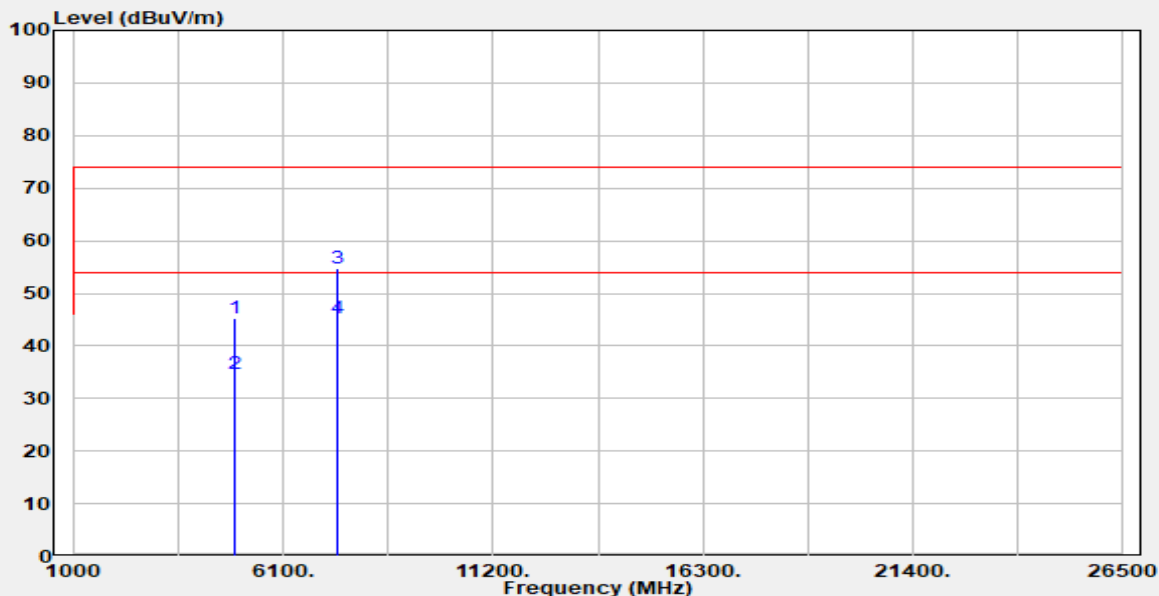
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Report Number :TERF2503001061E2
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-05
 Temp./Humi. :20.6°C/65%
 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
4924.00	Peak	35.60	9.72	45.32	74.00	-28.68
4924.00	Average	24.95	9.72	34.67	54.00	-19.33
7386.00	Peak	37.31	17.54	54.85	74.00	-19.15
7386.00	Average	27.63	17.54	45.17	54.00	-8.83

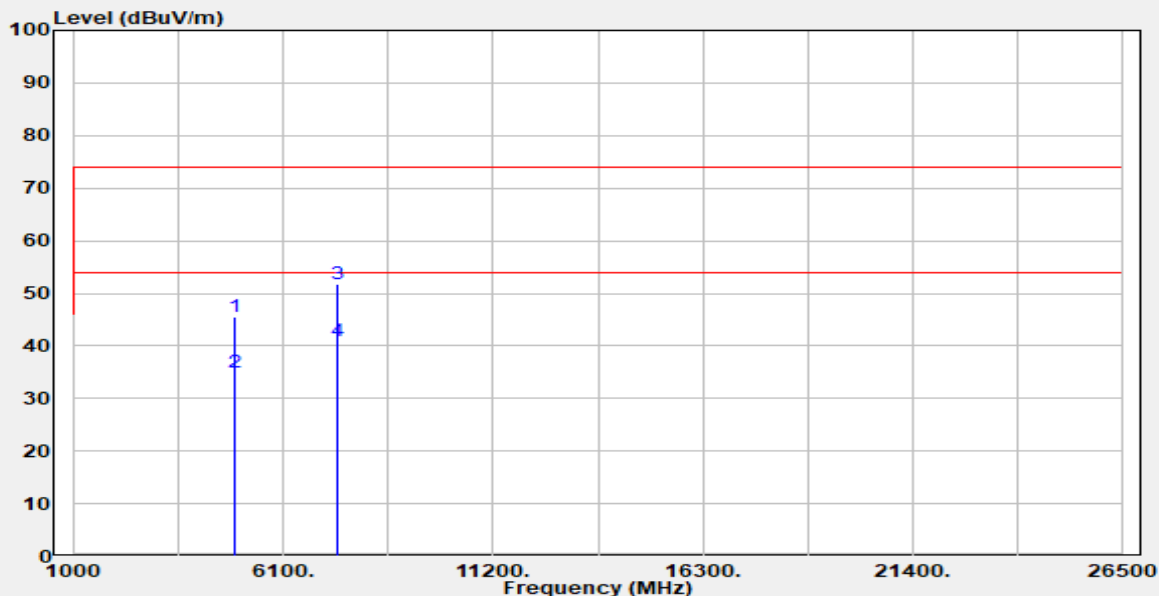
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Report Number :TERF2503001061E2
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-05
 Temp./Humi. :20.6°C/65%
 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
4924.00	Peak	35.79	9.72	45.51	74.00	-28.49
4924.00	Average	25.32	9.72	35.04	54.00	-18.96
7386.00	Peak	34.18	17.54	51.72	74.00	-22.28
7386.00	Average	23.37	17.54	40.91	54.00	-13.09

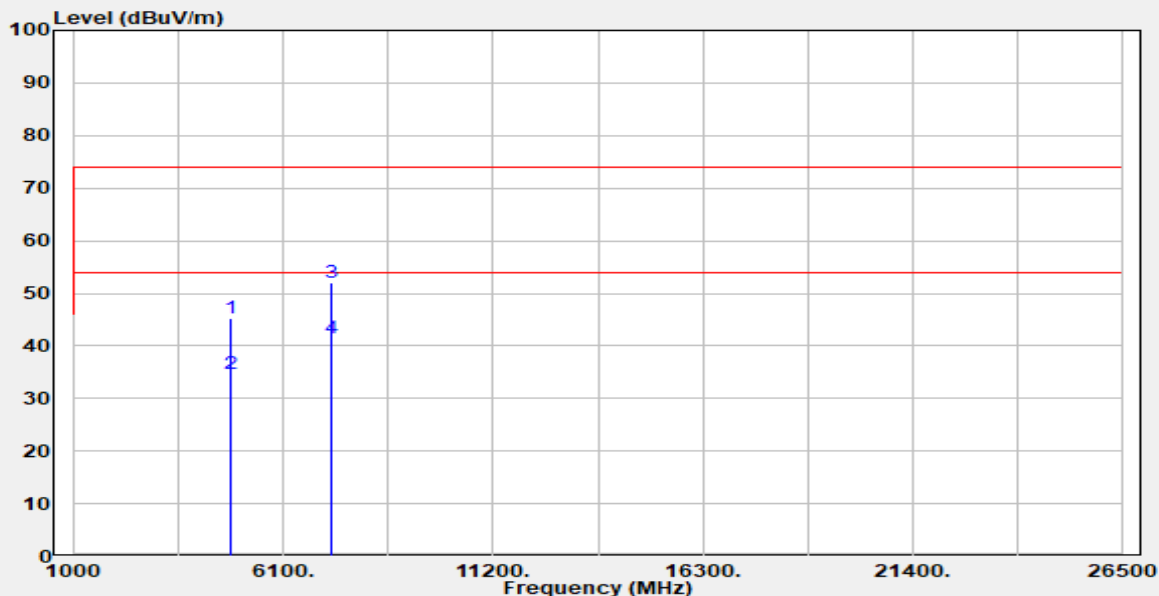
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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-05
 Temp./Humi. :20.6°C/65%
 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
4824.00	Peak	35.82	9.48	45.30	74.00	-28.70
4824.00	Average	25.25	9.48	34.73	54.00	-19.27
7236.00	Peak	34.92	16.98	51.90	74.00	-22.10
7236.00	Average	24.48	16.98	41.46	54.00	-12.54

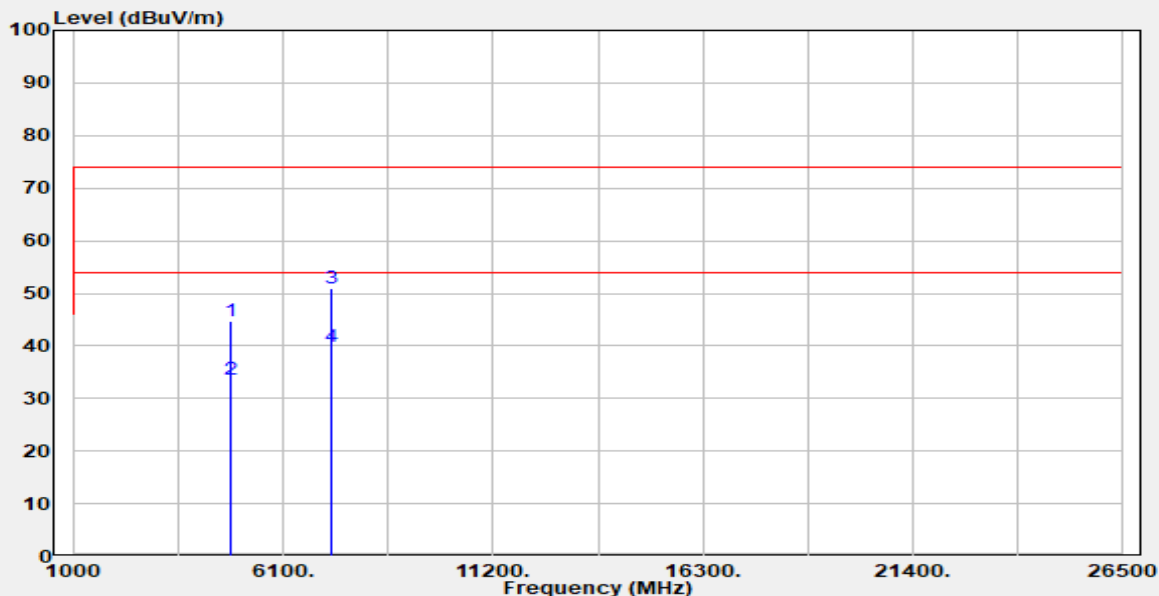
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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-05
 Temp./Humi. :20.6°C/65%
 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
4824.00	Peak	35.34	9.48	44.82	74.00	-29.18
4824.00	Average	24.23	9.48	33.71	54.00	-20.29
7236.00	Peak	34.03	16.98	51.01	74.00	-22.99
7236.00	Average	22.92	16.98	39.90	54.00	-14.10

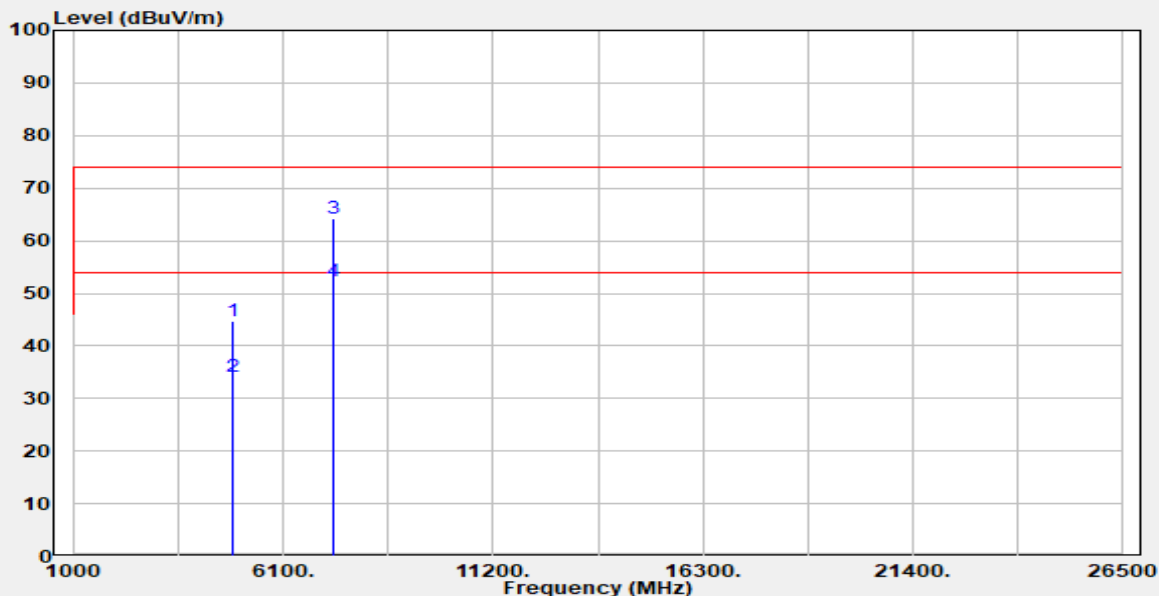
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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-12
 Temp./Humi. :24.5°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
4874.00	Peak	35.23	9.53	44.76	74.00	-29.24
4874.00	Average	24.58	9.53	34.11	54.00	-19.89
7311.00	Peak	46.83	17.45	64.28	74.00	-9.72
7311.00	Average	34.89	17.45	52.34	54.00	-1.66

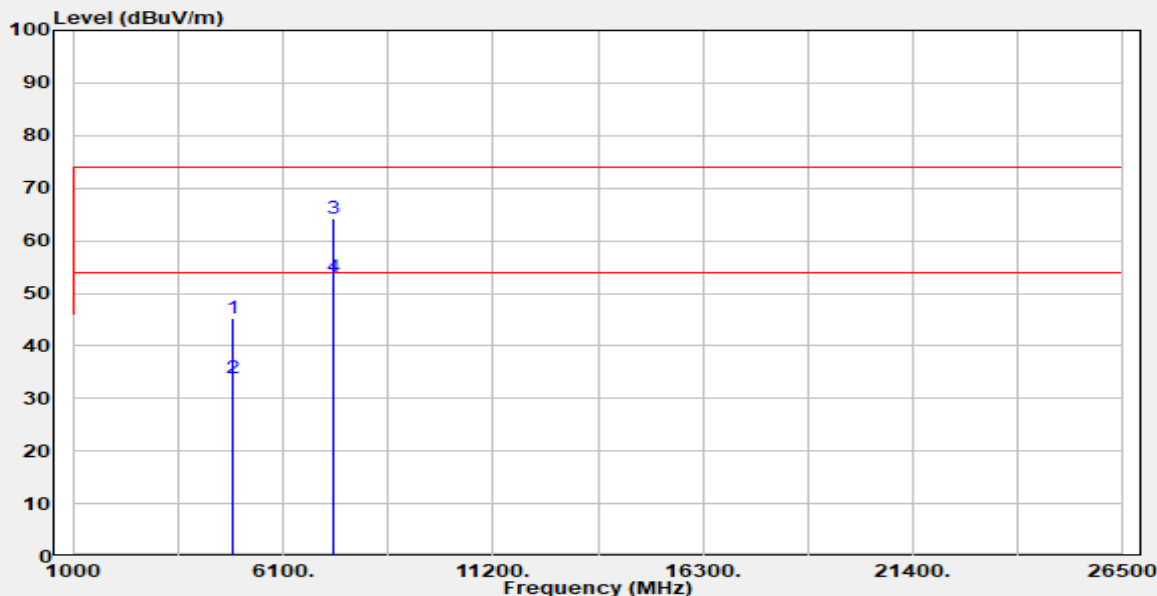
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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-12
 Temp./Humi. :24.5°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
4874.00	Peak	35.61	9.53	45.14	74.00	-28.86
4874.00	Average	24.39	9.53	33.92	54.00	-20.08
7311.00	Peak	46.89	17.45	64.34	74.00	-9.66
7311.00	Average	35.55	17.45	53.00	54.00	-1.00

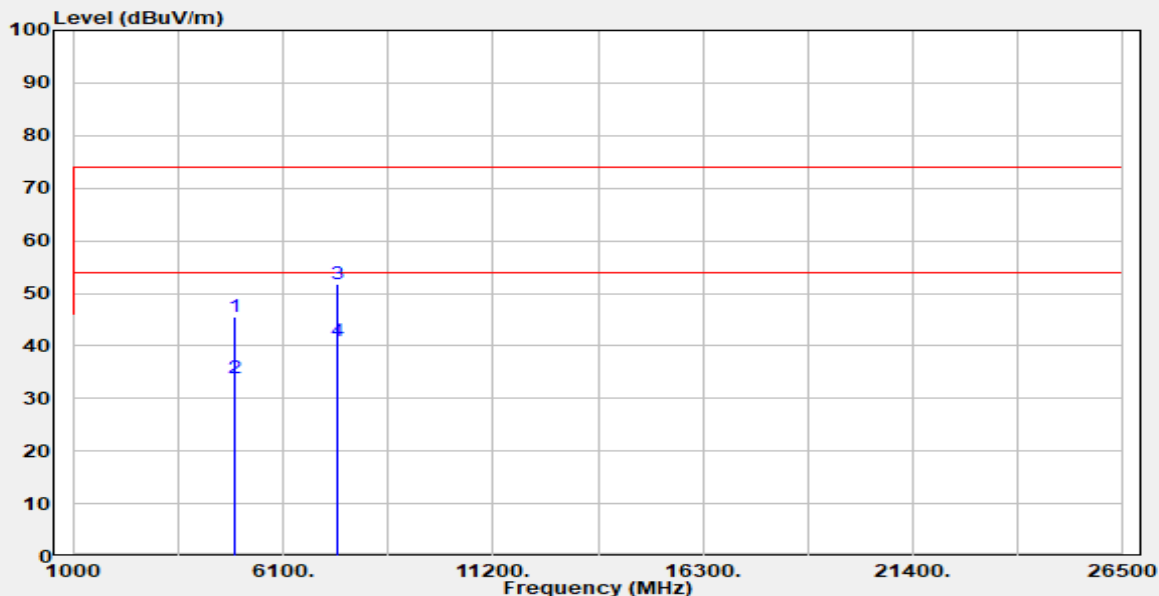
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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-12
 Temp./Humi. :24.5°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
4924.00	Peak	35.91	9.72	45.63	74.00	-28.37
4924.00	Average	24.27	9.72	33.99	54.00	-20.01
7386.00	Peak	34.11	17.54	51.65	74.00	-22.35
7386.00	Average	23.38	17.54	40.92	54.00	-13.08

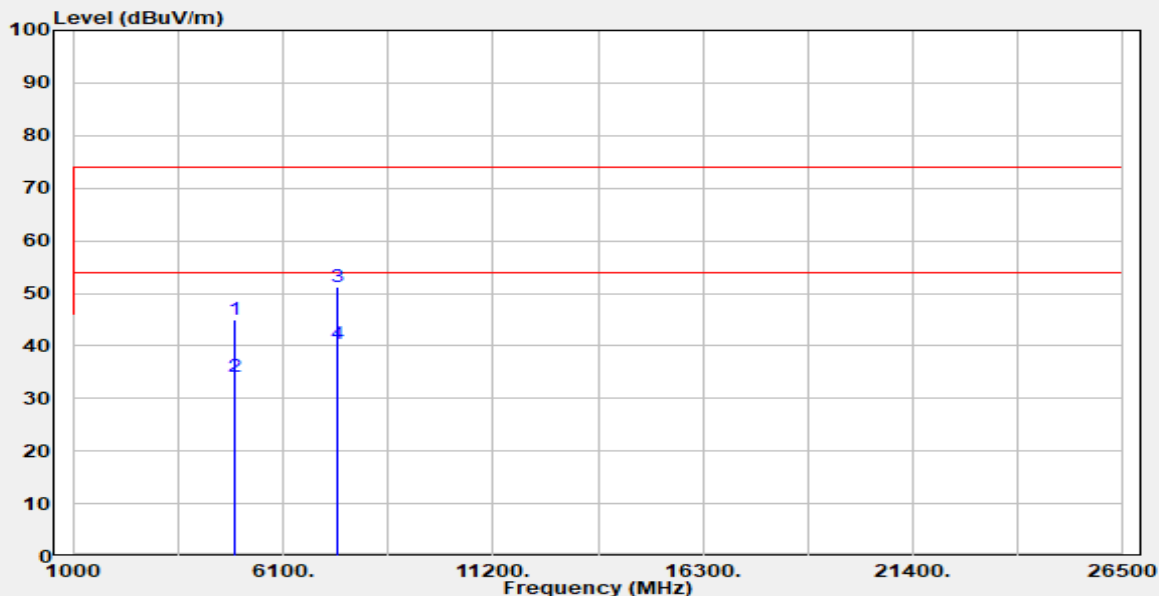
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Report Number :TERF2503001061E2
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-12
 Temp./Humi. :24.5°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
4924.00	Peak	35.28	9.72	45.00	74.00	-29.00
4924.00	Average	24.33	9.72	34.05	54.00	-19.95
7386.00	Peak	33.57	17.54	51.11	74.00	-22.89
7386.00	Average	22.88	17.54	40.42	54.00	-13.58

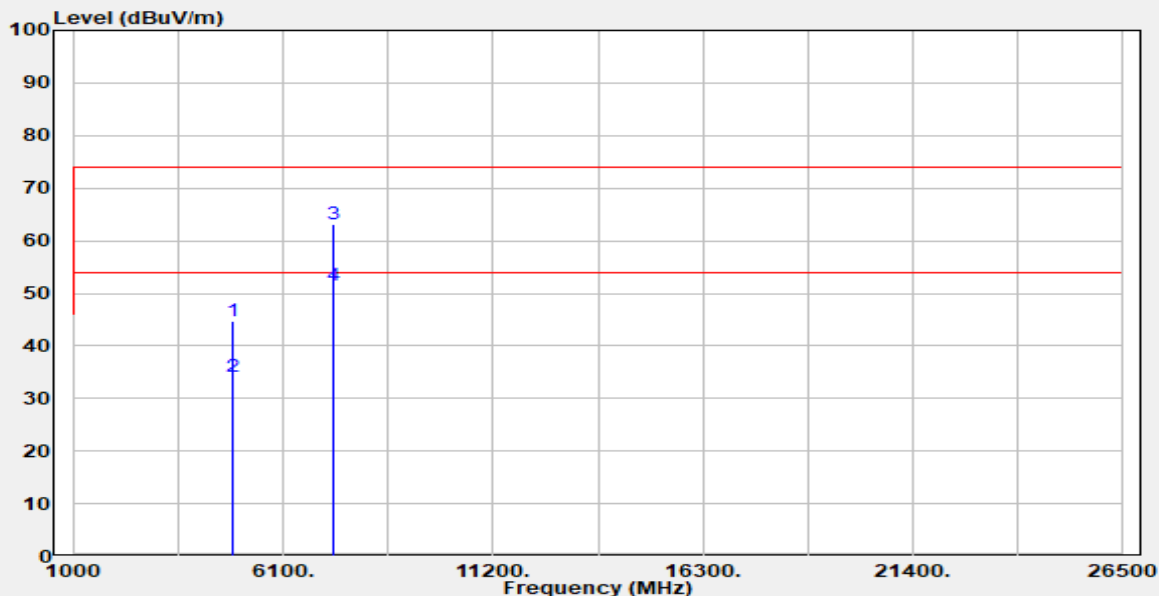
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Report Number :TERF2503001061E2
 Operation Mode :802.11n20
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-12
 Temp./Humi. :24.5°C/56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



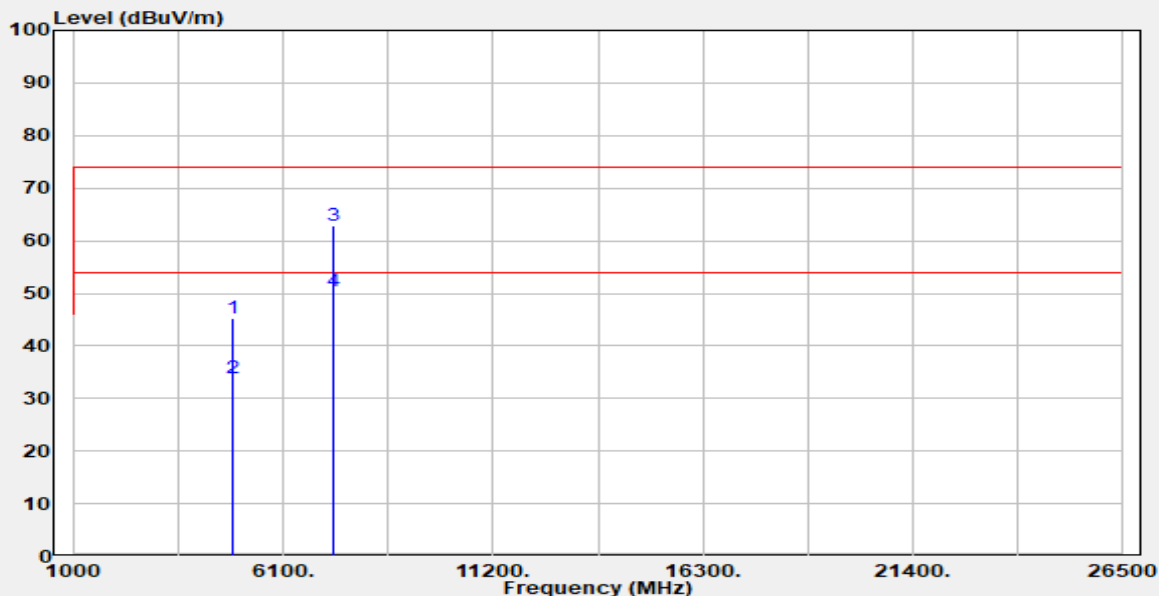
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4874.00	Peak	35.05	9.53	44.58	74.00	-29.42
4874.00	Average	24.70	9.53	34.23	54.00	-19.77
7311.00	Peak	45.62	17.45	63.07	74.00	-10.93
7311.00	Average	34.03	17.45	51.48	54.00	-2.52

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Report Number :TERF2503001061E2
 Operation Mode :802.11n20
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-12
 Temp./Humi. :24.5°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
4874.00	Peak	35.69	9.53	45.22	74.00	-28.78
4874.00	Average	24.35	9.53	33.88	54.00	-20.12
7311.00	Peak	45.40	17.45	62.85	74.00	-11.15
7311.00	Average	32.91	17.45	50.36	54.00	-3.64

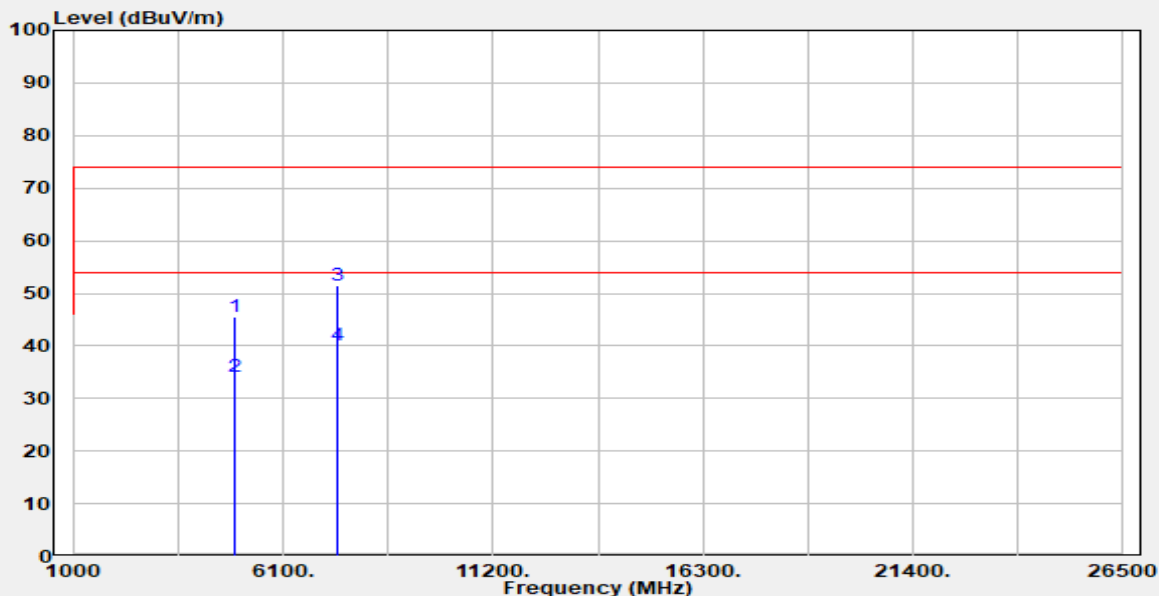
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Report Number :TERF2503001061E2
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-12
 Temp./Humi. :24.5°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
4924.00	Peak	35.71	9.72	45.43	74.00	-28.57
4924.00	Average	24.38	9.72	34.10	54.00	-19.90
7386.00	Peak	33.96	17.54	51.50	74.00	-22.50
7386.00	Average	22.56	17.54	40.10	54.00	-13.90

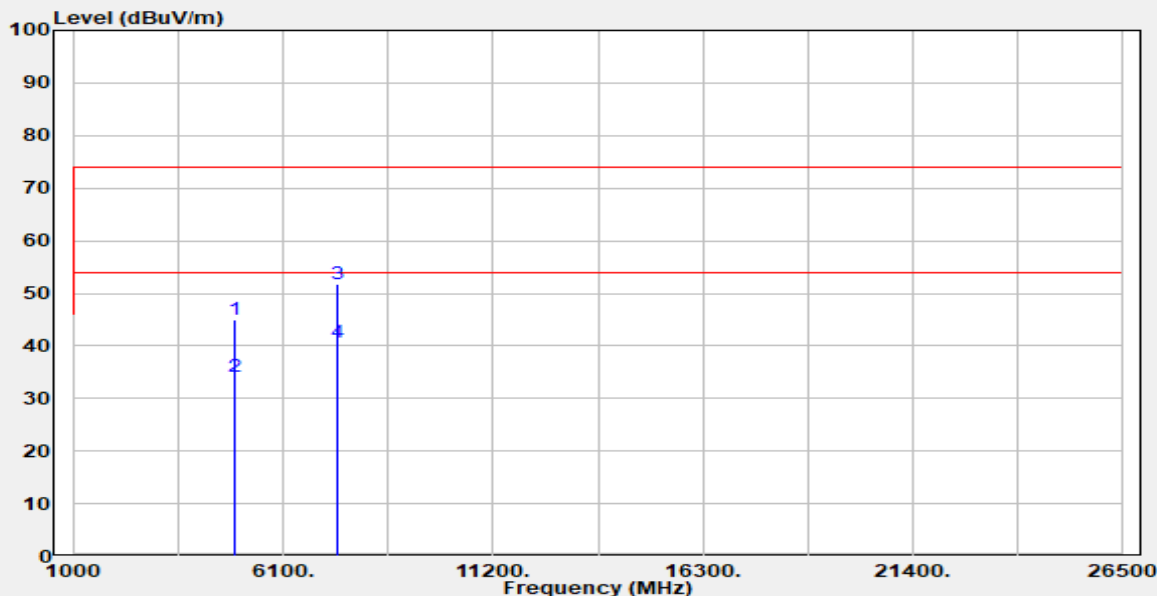
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Report Number :TERF2503001061E2
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-12
 Temp./Humi. :24.5°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
4924.00	Peak	35.34	9.72	45.06	74.00	-28.94
4924.00	Average	24.38	9.72	34.10	54.00	-19.90
7386.00	Peak	34.33	17.54	51.87	74.00	-22.13
7386.00	Average	23.06	17.54	40.60	54.00	-13.40

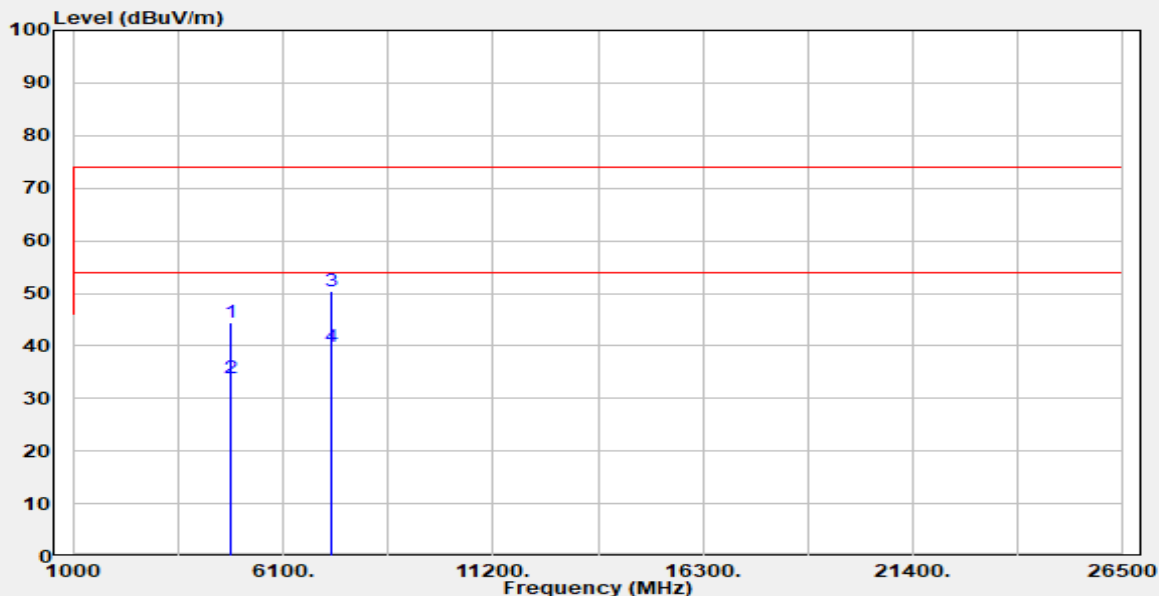
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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2412 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-12
 Temp./Humi. :24.5°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
4824.00	Peak	34.89	9.48	44.37	74.00	-29.63
4824.00	Average	24.35	9.48	33.83	54.00	-20.17
7236.00	Peak	33.41	16.98	50.39	74.00	-23.61
7236.00	Average	22.85	16.98	39.83	54.00	-14.17

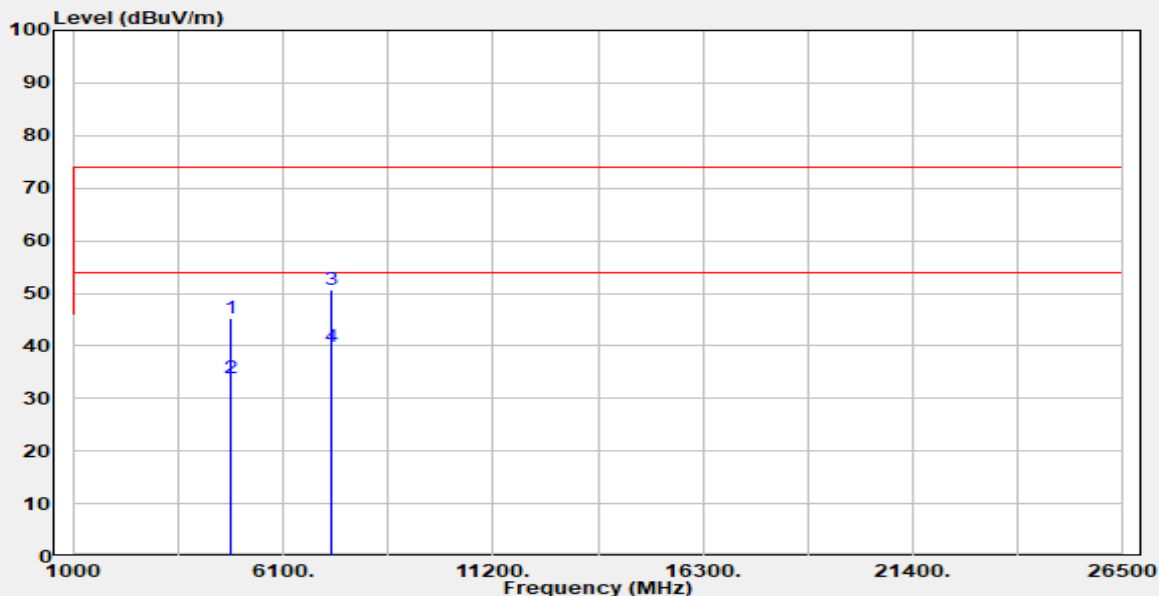
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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2412 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-12
 Temp./Humi. :24.5°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
4824.00	Peak	35.78	9.48	45.26	74.00	-28.74
4824.00	Average	24.41	9.48	33.89	54.00	-20.11
7236.00	Peak	33.75	16.98	50.73	74.00	-23.27
7236.00	Average	22.93	16.98	39.91	54.00	-14.09

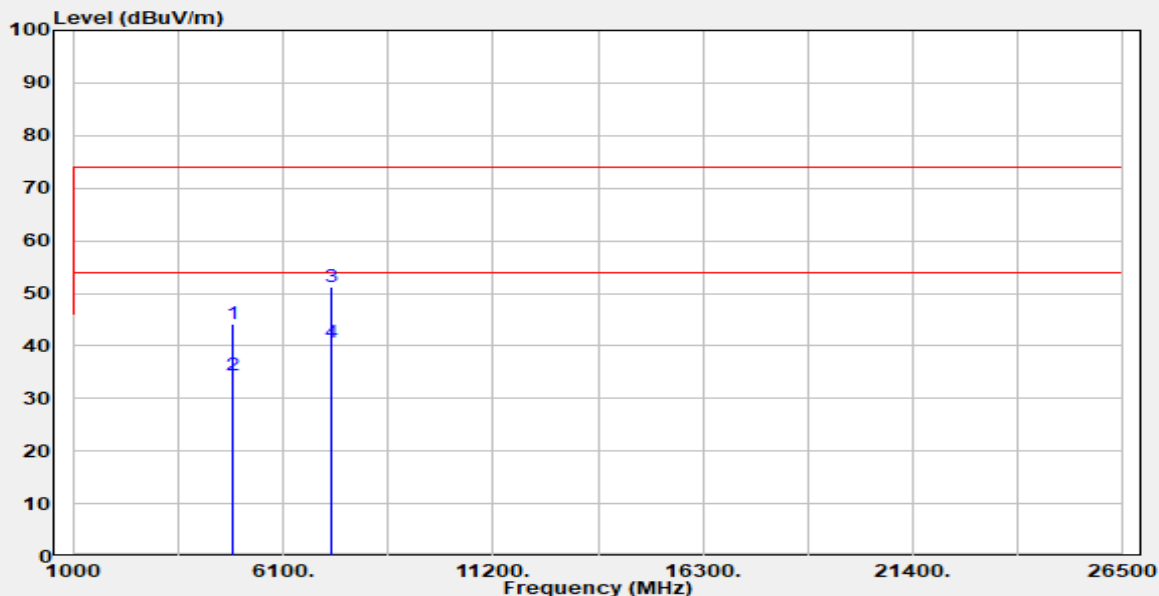
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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°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
4844.00	Peak	34.56	9.48	44.04	74.00	-29.96
4844.00	Average	24.87	9.48	34.35	54.00	-19.65
7266.00	Peak	33.94	17.18	51.12	74.00	-22.88
7266.00	Average	23.49	17.18	40.67	54.00	-13.33

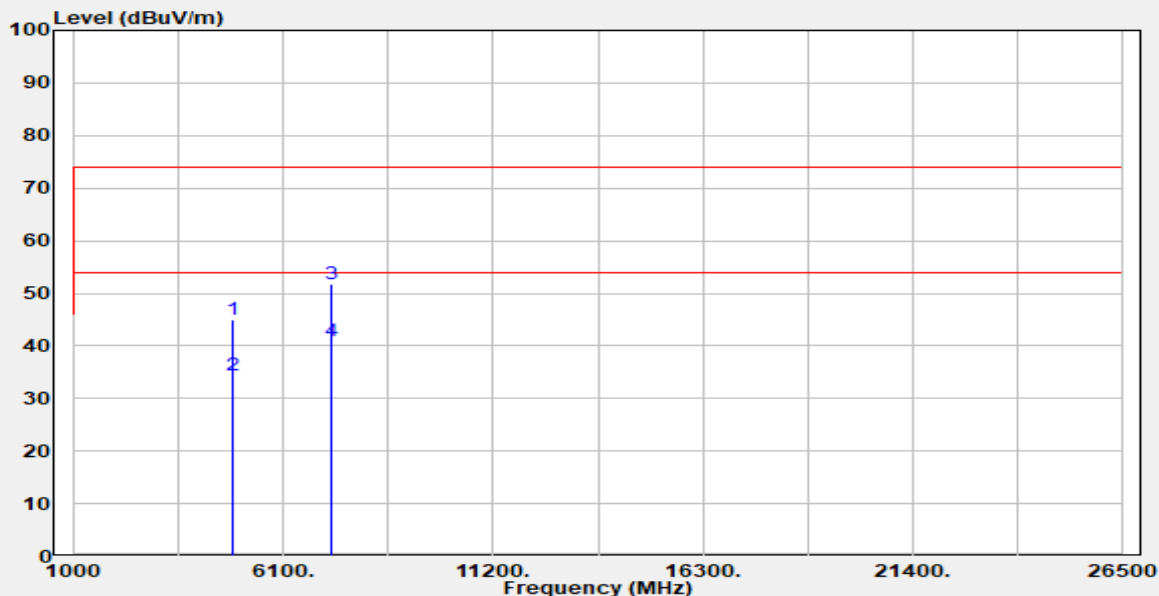
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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°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
4844.00	Peak	35.51	9.48	44.99	74.00	-29.01
4844.00	Average	24.83	9.48	34.31	54.00	-19.69
7266.00	Peak	34.55	17.18	51.73	74.00	-22.27
7266.00	Average	23.61	17.18	40.79	54.00	-13.21

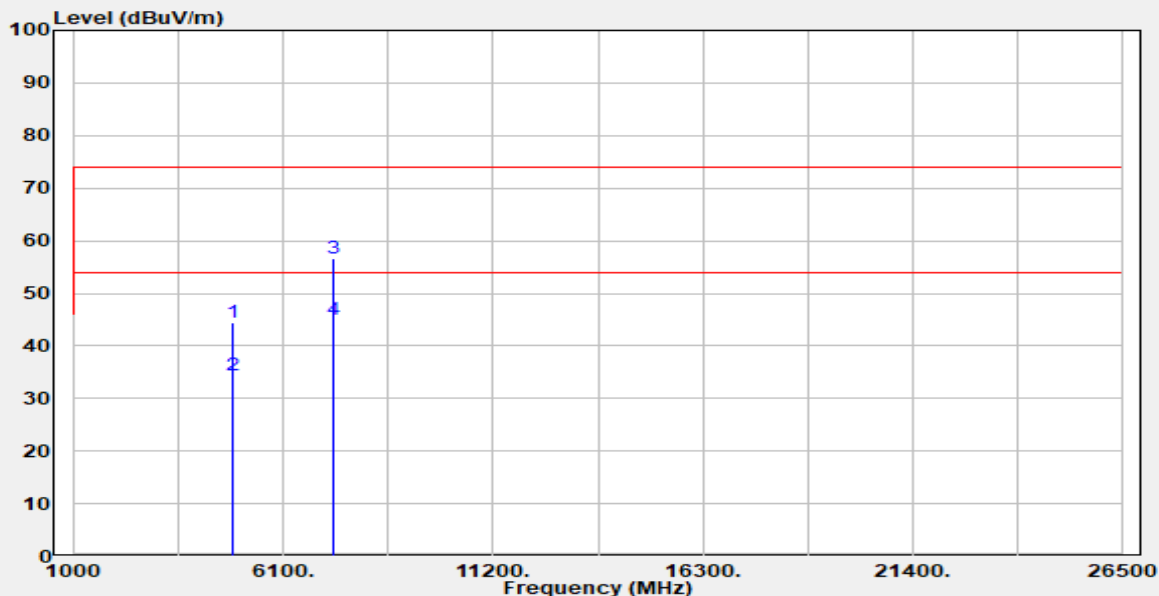
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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°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
4874.00	Peak	34.99	9.53	44.52	74.00	-29.48
4874.00	Average	24.77	9.53	34.30	54.00	-19.70
7311.00	Peak	39.09	17.45	56.54	74.00	-17.46
7311.00	Average	27.67	17.45	45.12	54.00	-8.88

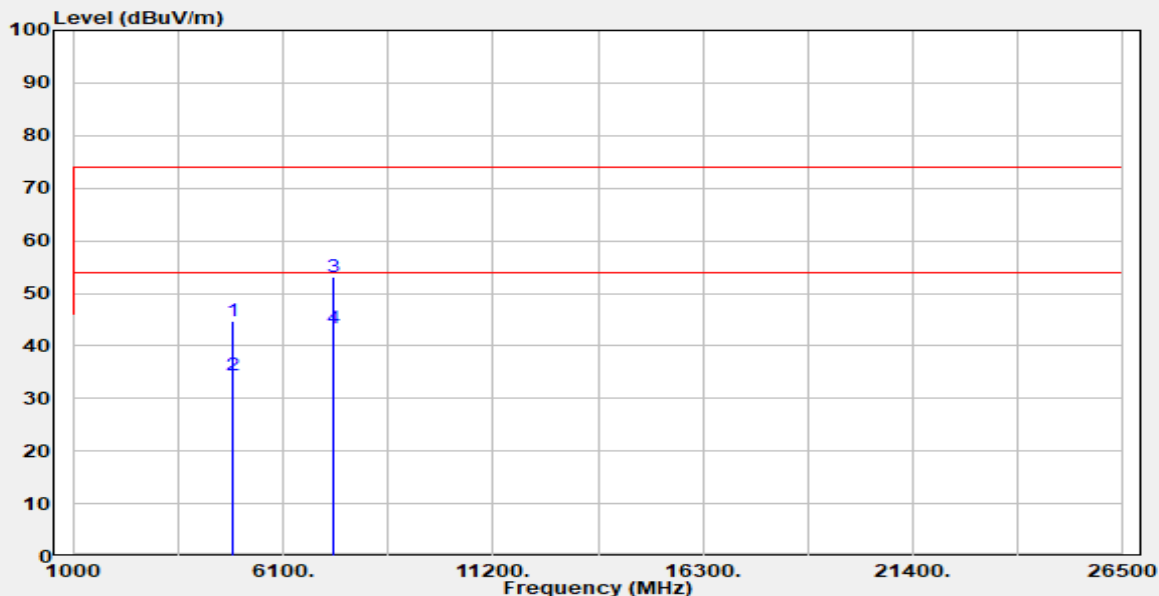
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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



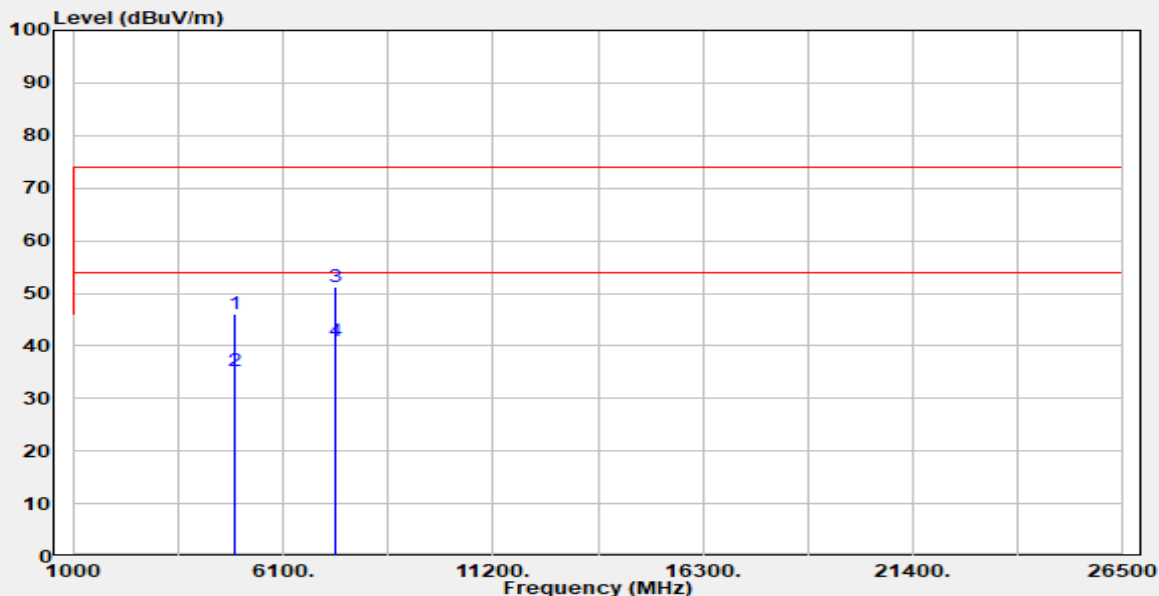
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4874.00	Peak	35.08	9.53	44.61	74.00	-29.39
4874.00	Average	24.82	9.53	34.35	54.00	-19.65
7311.00	Peak	35.57	17.45	53.02	74.00	-20.98
7311.00	Average	25.96	17.45	43.41	54.00	-10.59

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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°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
4904.00	Peak	36.52	9.60	46.12	74.00	-27.88
4904.00	Average	25.51	9.60	35.11	54.00	-18.89
7356.00	Peak	33.70	17.44	51.14	74.00	-22.86
7356.00	Average	23.38	17.44	40.82	54.00	-13.18

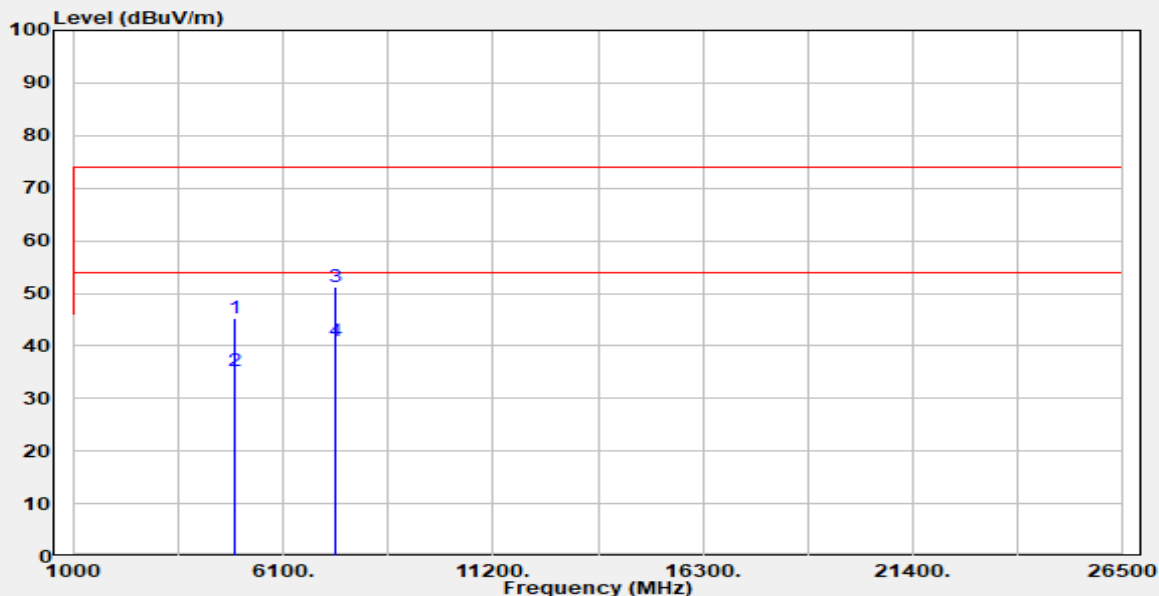
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Report Number :TERF2503001061E2
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°C/56%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



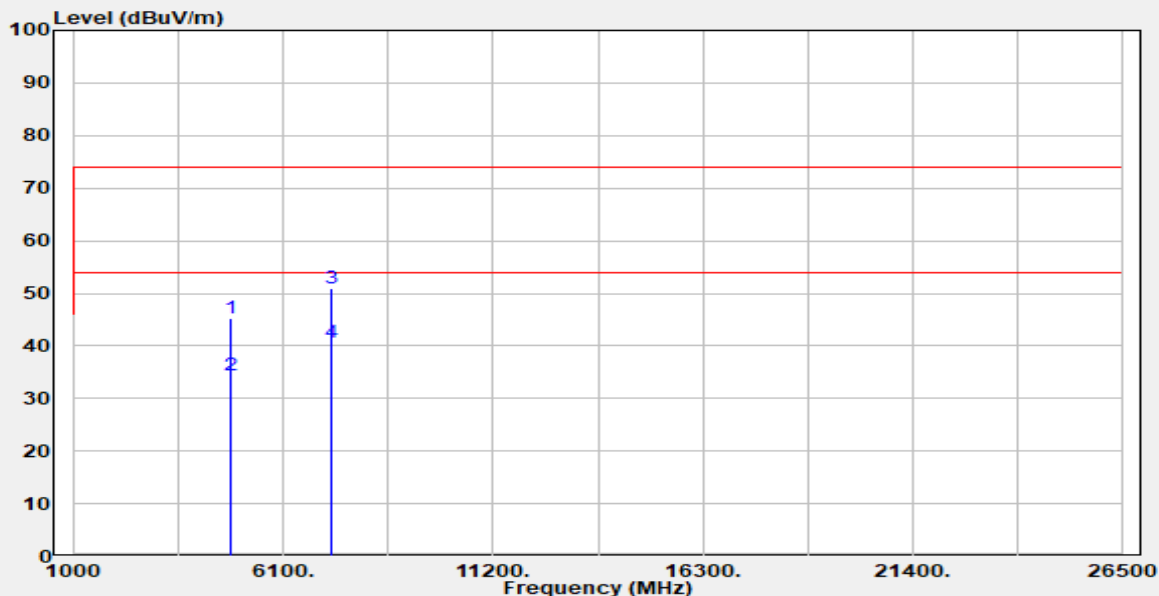
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4904.00	Peak	35.61	9.60	45.21	74.00	-28.79
4904.00	Average	25.50	9.60	35.10	54.00	-18.90
7356.00	Peak	33.66	17.44	51.10	74.00	-22.90
7356.00	Average	23.45	17.44	40.89	54.00	-13.11

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Report Number :TERF2503001061E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2412 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°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
4824.00	Peak	35.69	9.48	45.17	74.00	-28.83
4824.00	Average	24.94	9.48	34.42	54.00	-19.58
7236.00	Peak	34.03	16.98	51.01	74.00	-22.99
7236.00	Average	23.72	16.98	40.70	54.00	-13.30

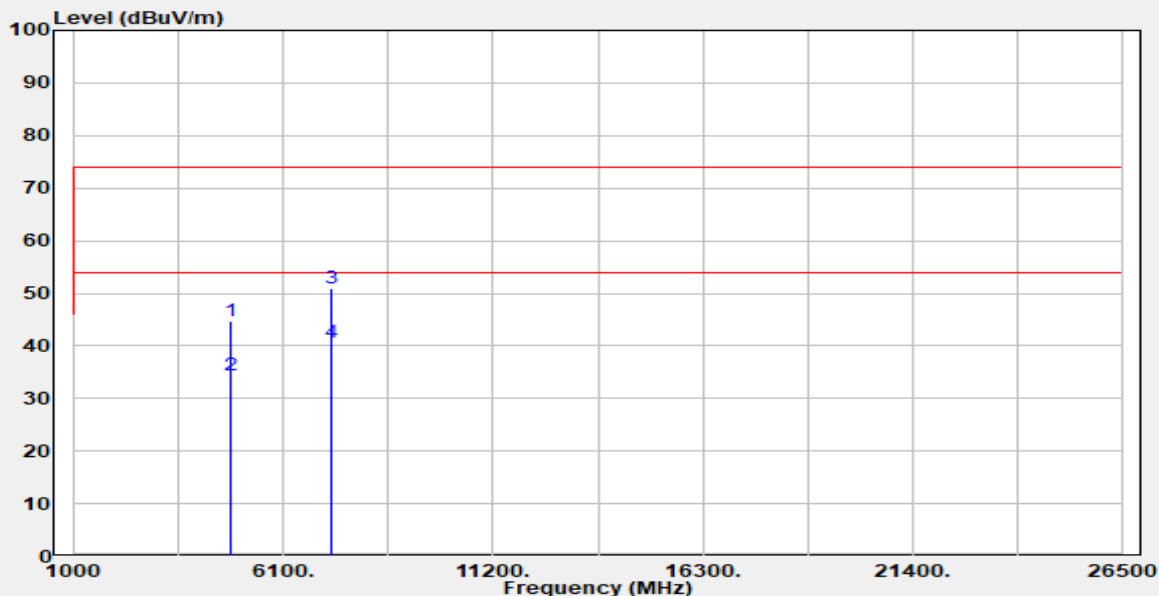
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2412 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°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
4824.00	Peak	35.18	9.48	44.66	74.00	-29.34
4824.00	Average	24.90	9.48	34.38	54.00	-19.62
7236.00	Peak	33.96	16.98	50.94	74.00	-23.06
7236.00	Average	23.79	16.98	40.77	54.00	-13.23

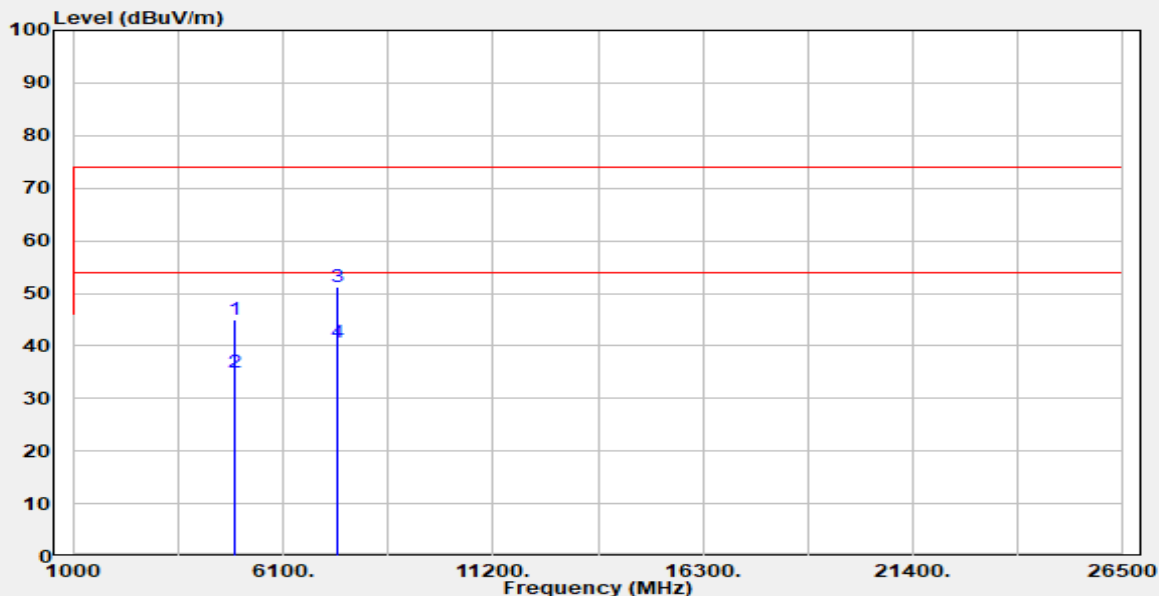
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2462 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°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
4924.00	Peak	35.33	9.72	45.05	74.00	-28.95
4924.00	Average	25.13	9.72	34.85	54.00	-19.15
7386.00	Peak	33.55	17.54	51.09	74.00	-22.91
7386.00	Average	23.14	17.54	40.68	54.00	-13.32

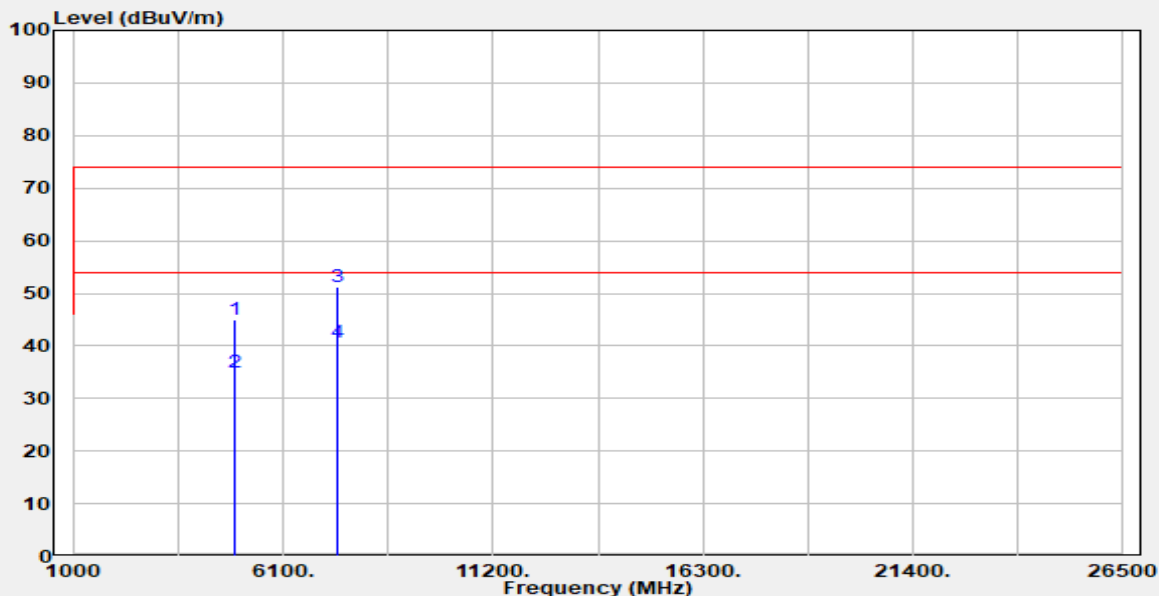
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax20 RU Full
 Test Frequency :2462 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°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
4924.00	Peak	35.36	9.72	45.08	74.00	-28.92
4924.00	Average	25.11	9.72	34.83	54.00	-19.17
7386.00	Peak	33.56	17.54	51.10	74.00	-22.90
7386.00	Average	23.20	17.54	40.74	54.00	-13.26

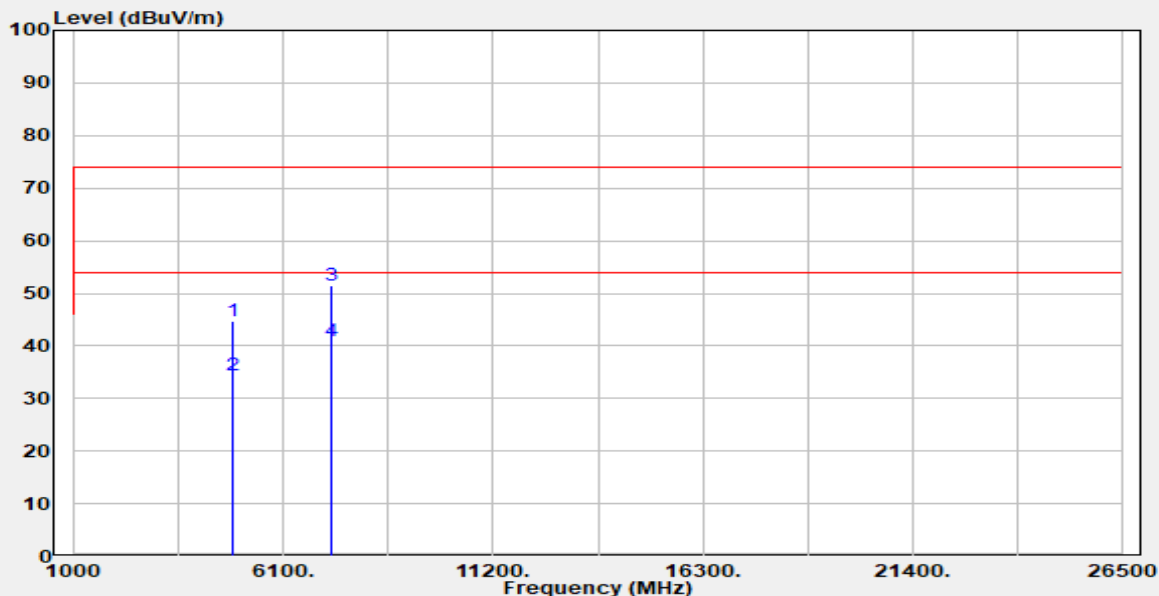
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2422 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°C/56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



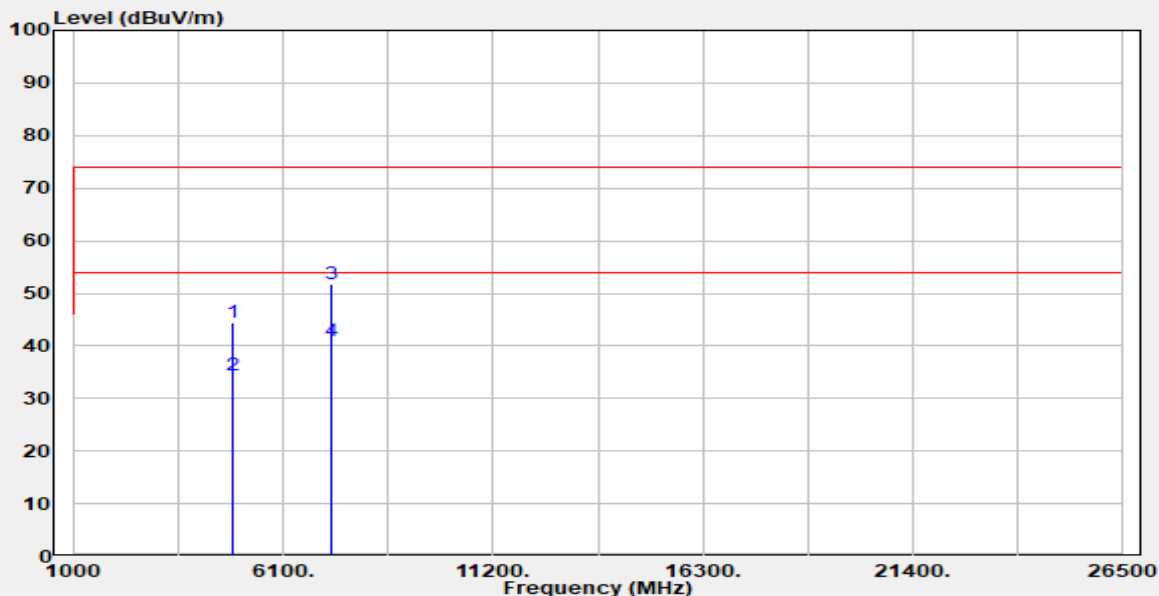
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4844.00	Peak	35.20	9.48	44.68	74.00	-29.32
4844.00	Average	24.83	9.48	34.31	54.00	-19.69
7266.00	Peak	34.34	17.18	51.52	74.00	-22.48
7266.00	Average	23.85	17.18	41.03	54.00	-12.97

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Report Number :TERF2503001061E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2422 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°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
4844.00	Peak	34.94	9.48	44.42	74.00	-29.58
4844.00	Average	24.95	9.48	34.43	54.00	-19.57
7266.00	Peak	34.47	17.18	51.65	74.00	-22.35
7266.00	Average	23.75	17.18	40.93	54.00	-13.07

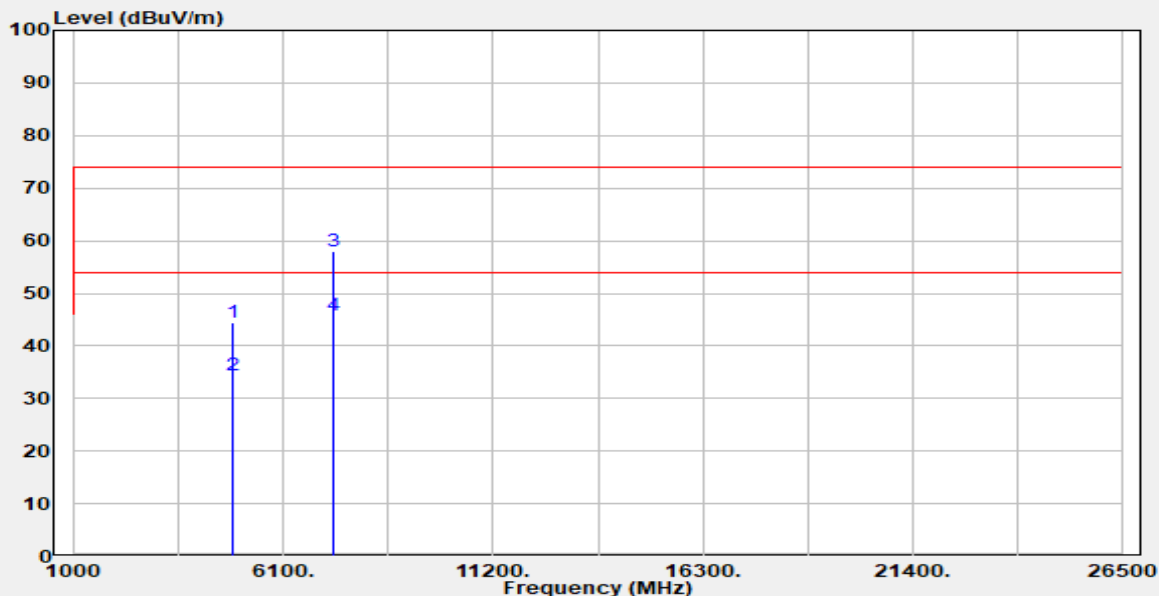
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°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
4874.00	Peak	34.87	9.53	44.40	74.00	-29.60
4874.00	Average	25.00	9.53	34.53	54.00	-19.47
7311.00	Peak	40.53	17.45	57.98	74.00	-16.02
7311.00	Average	28.37	17.45	45.82	54.00	-8.18

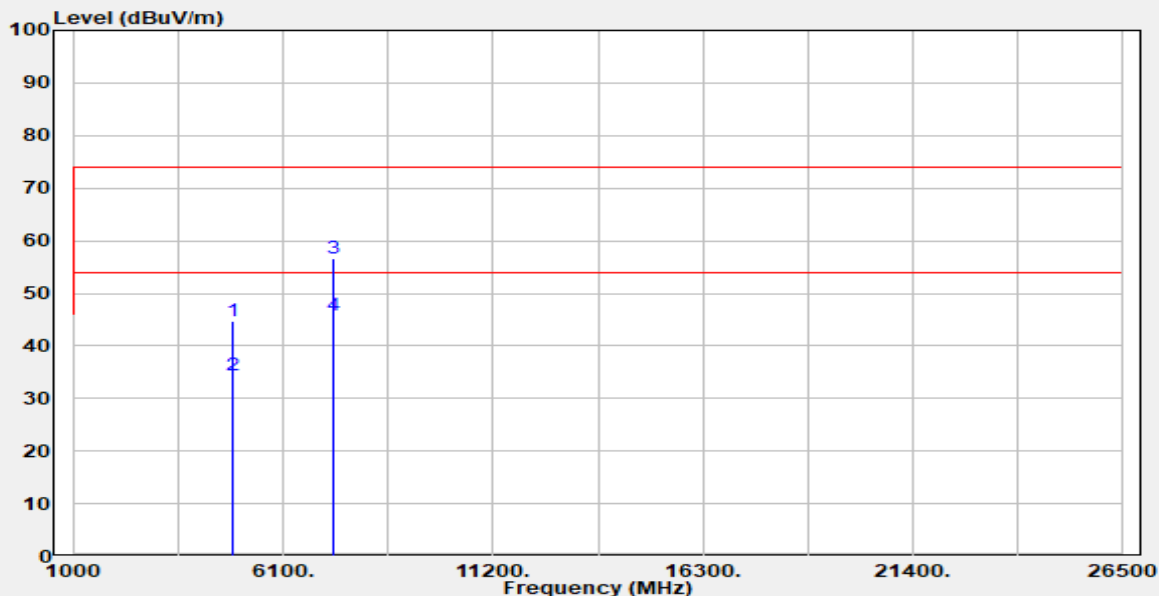
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Report Number :TERF2503001061E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°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
4874.00	Peak	35.13	9.53	44.66	74.00	-29.34
4874.00	Average	24.97	9.53	34.50	54.00	-19.50
7311.00	Peak	39.11	17.45	56.56	74.00	-17.44
7311.00	Average	28.33	17.45	45.78	54.00	-8.22

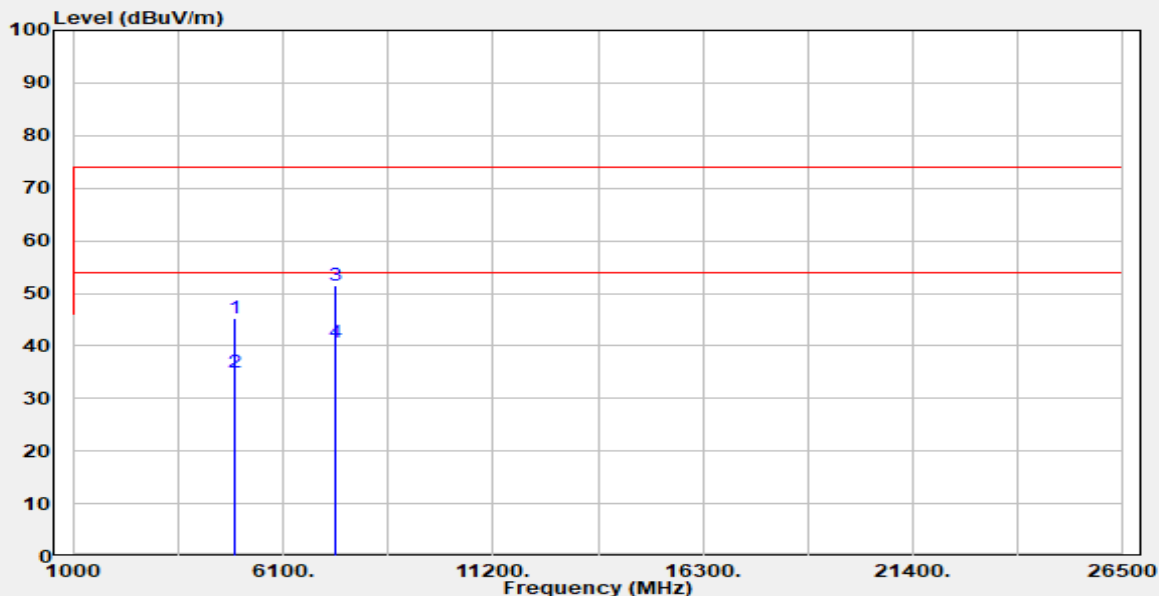
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Report Number :TERF2503001061E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2452 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°C/56%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



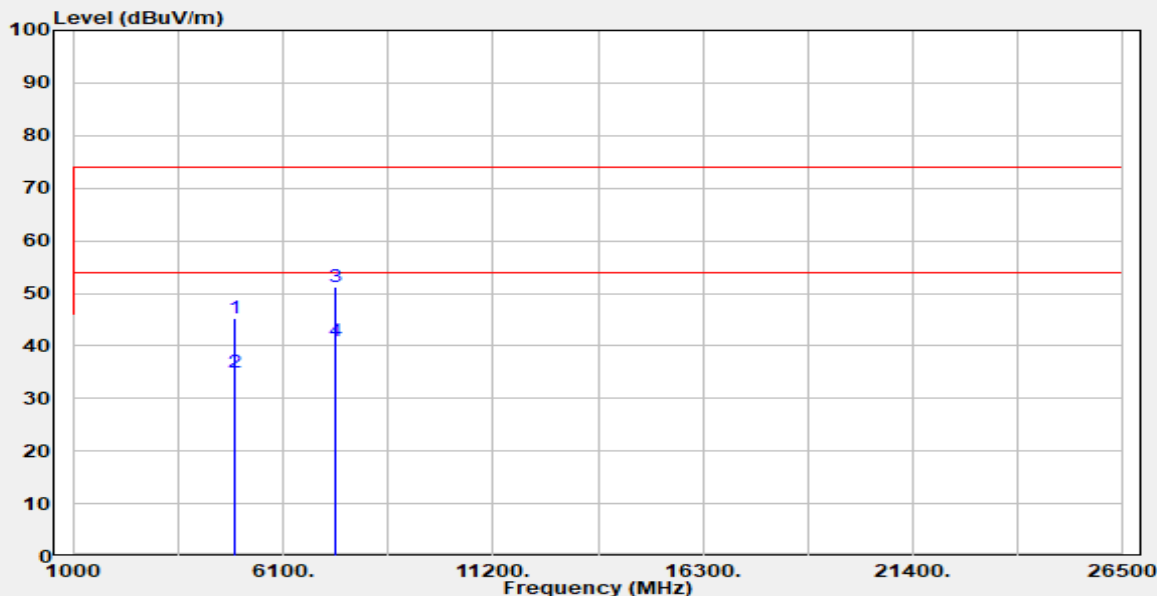
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4904.00	Peak	35.74	9.60	45.34	74.00	-28.66
4904.00	Average	25.35	9.60	34.95	54.00	-19.05
7356.00	Peak	33.98	17.44	51.42	74.00	-22.58
7356.00	Average	23.31	17.44	40.75	54.00	-13.25

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Report Number :TERF2503001061E2
 Operation Mode :802.11ax40 RU Full
 Test Frequency :2452 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC D
 Test Date :2025-06-13
 Temp./Humi. :24.5°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
4904.00	Peak	35.66	9.60	45.26	74.00	-28.74
4904.00	Average	25.44	9.60	35.04	54.00	-18.96
7356.00	Peak	33.71	17.44	51.15	74.00	-22.85
7356.00	Average	23.56	17.44	41.00	54.00	-13.00

~ End of Report ~

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