

**ELECTROMAGNETIC EMISSIONS
COMPLIANCE REPORT**

Applicant: Murata Manufacturing Co., Ltd.
10-1, Higashikotari 1-chome , Nagaokakyo-shi, Kyoto
617-8555 Japan

Manufacturer: Murata Manufacturing Co., Ltd.
10-1, Higashikotari 1-chome , Nagaokakyo-shi, Kyoto
617-8555 Japan

Product Name: Communication Module

Brand Name: muRata

Model No.: For FCC :
LBES5PL2EL, LBEE5PL2DL
For ISSED :
LBES5PL2EL-SANT, LBES5PL2EL-DANT,
LBEE5PL2DL-SANT, LBEE5PL2DL-DANT

Model Difference: Refer to section 1.8

Report Number: TERF2307001775E2

FCC ID VPYLBES5PL2EL

IC: 772C-LBES5PL2EL

Date of EUT Received: Jul. 19, 2023

Date of Test: Jul. 20, 2023~Aug. 03, 2023

Issue Date: Aug. 23, 2023

Approved By**Arno Hsieh****We hereby certify that:**

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT comply with FCC rule part §15.247, ISSED 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
TERF2307001775E2	00	Original	Aug. 23, 2023	Yami Kuo	

Note:

- 1、The remark "*" indicates modification of the report upon requests from certification body.
- 2、Variant information of model numbers is provided by the applicant, test results of this report are applicable to the sample EUT(s) received.

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1 GENERAL INFORMATION

1.1 Product Description

Product Name:	Communication Module	
Brand Name:	muRata	
Model No.:	For FCC	LBES5PL2EL, LBEE5PL2DL
	For ISCED	LBES5PL2EL-SANT, LBES5PL2EL-DANT, LBEE5PL2DL-SANT, LBEE5PL2DL-DANT
Model Difference:	Refer to section 1.8	
Hardware Version:	1	
Firmware Version:	LBES5PL2EL-SANT: 1.1.1.1 LBES5PL2EL-DANT: 1.1.1.2 LBEE5PL2DL-SANT: 1.1.1.1 LBEE5PL2DL-DANT: 1.1.1.2	
EUT Series No.:	L#4	
Power Supply:	3.3Vdc, 1.8Vdc	
Test Software (Name/Version)	Tera Term V4.106	

1.2 RF Specification

WLAN 2.4GHz

Wi-Fi	Frequency Range	Channels	Rated Power (dBm)		Modulation Technology
			Peak	Avg.	
802.11n40	2422~2452	7	22.05	12.90	OFDM
802.11ac20	2412~2462	11	22.83	16.89	OFDM
802.11ac40	2422~2452	7	22.10	12.98	OFDM
802.11ax40	2422~2452	7	22.66	12.82	OFDMA
Modulation type:		256 QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM			
		1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA			
Data Rate:		802.11 ac_20MHz: up to 86.7 Mbps			
		802.11 n_40MHz: up to 150Mbps			
		802.11 ac_40MHz: up to 200 Mbps			
		802.11 ax_40MHz: up to 286.8Mbps			

Note: The application addition n40 / ac20 / ac40 / ax40 by software enable, test report only include these.

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WLAN 2.4GHz for IC

Wi-Fi	Frequency Range	Channels	Rated Power (dBm)		Rated Power in dBm (EIRP)	Modulation Technology
			Peak	Avg.		
802.11n40	2422~2452	7	22.05	12.90	16.50	OFDM
802.11ac20	2412~2462	11	22.83	16.89	20.49	OFDM
802.11ac40	2422~2452	7	22.10	12.98	16.58	OFDM
802.11ax40	2422~2452	7	22.66	12.82	16.42	OFDMA
Modulation type:		256 QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM				
		1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA				
Data Rate:		802.11 ac_20MHz:up to 86.7 Mbps				
		802.11 n_40MHz:up to 150Mbps				
		802.11 ac_40MHz:up to 200 Mbps				
		802.11 ax_40MHz:up to 286.8Mbps				

Note: The application addition n40 / ac20 / ac40 / ax40 by software enable, test report only include these.

1.3 Antenna Designation

Antenna Type	Supplier	Antenna Part No.	Freq. (MHz)	Peak Antenna Gain (dBi)
Dipole	Molex	146153	2400~2500	3.2
	Molex	219611	2400~2500	2.67
	Unictron	WT32D1-KX	2400~2500	3
	Inventek	W24P-U	2400~2500	3.2
Monopole	Murata	Type2EL_Antenna	2400~2500	3.6

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. Antenna information is provided by the applicant.

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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

RSS-247 issue 2 Feb. 2017

RSS-Gen,issue 5 April, 2018

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.

1.6 Special Accessories

There are no special accessories used while test was conducted.

1.7 Equipment Modifications

There was no modification incorporated into the EUT.

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1.8 Model Difference

1. There are 4 HVINs with 2 PMNs as below

a. The LBES5PL2EL-SANT and LBES5PL2EL-DANT are electrically identical.

HVIN	PMN	Chip on C101	RF functions
LBES5PL2EL-SANT	LBES5PL2EL	IW612	WLAN 2.4GHz,5GHz, BT,BLE, IEEE802.15.4
LBES5PL2EL-DANT			

b. The LBEE5PL2DL-SANT and LBEE5PL2DL-DANT are electrically identical.

HVIN	PMN	Chip on C101	RF functions
LBEE5PL2DL-SANT	LBEE5PL2DL	IW611	WLAN 2.4GHz,5GHz, BT,BLE
LBEE5PL2DL-DANT			

2. In addition, there are 2 HMNs, the differences between the HMN(s) are

HMN	HVIN	Antenna connector(s)	WLAN	BT	BLE	IEEE802.15.4
P2ML10229-D	LBES5PL2EL-DANT	2 (ANT0, ANT1)	ANT0	ANT1	ANT1	ANT1
	LBEE5PL2DL-DANT					NA
P2ML10229-S	LBES5PL2EL-SANT	1 (ANT0)	ANT0	ANT0	ANT0	ANT0
	LBEE5PL2DL-SANT					NA

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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

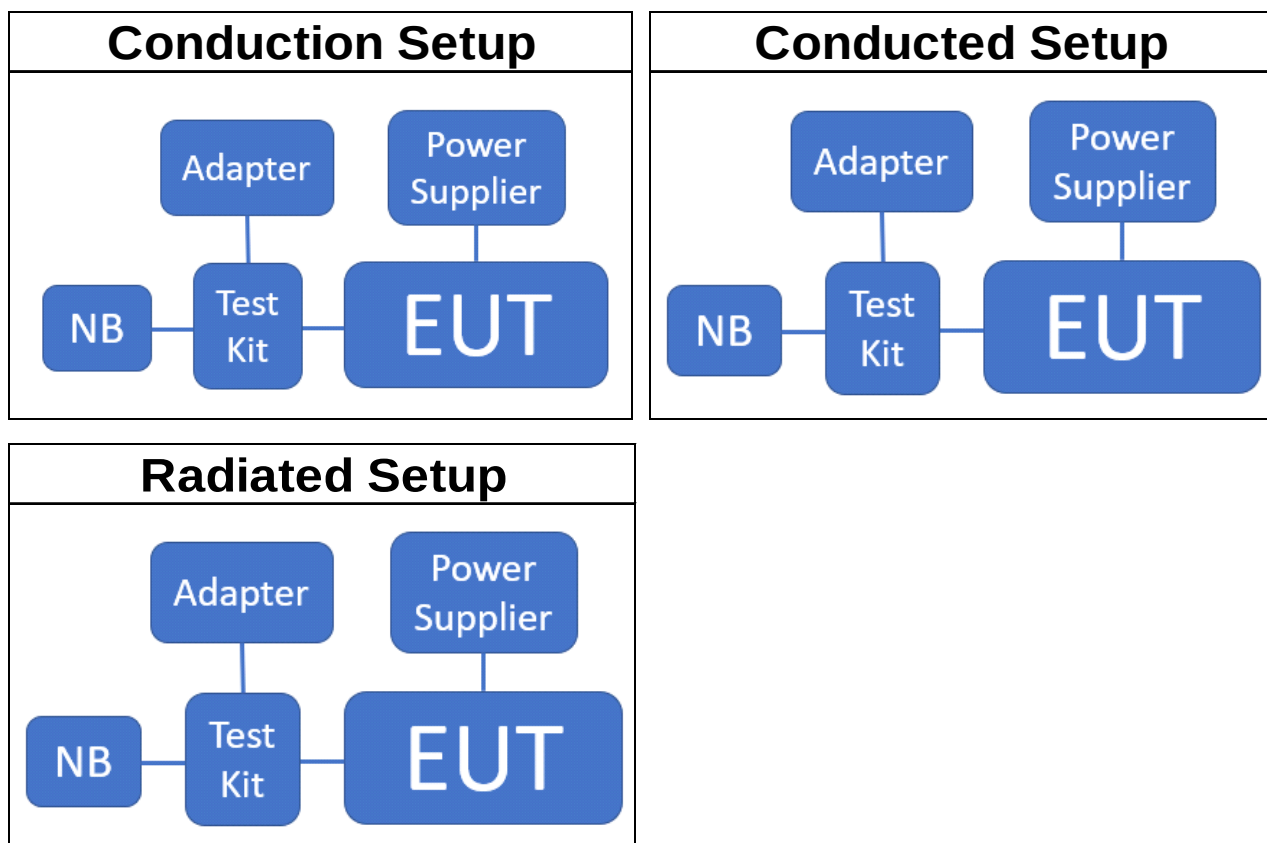
Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

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.

2.5 Test Configuration



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2.6 Control Unit(s)

AC Power-Line Conducted Emission Test Site: Conduction C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Notebook	Lenovo	T440p	P0000665	N/A	N/A
USB Cable	ZHUANG SHAN CHUAN	E333601	N/A	N/A	N/A
Adapter	EDACPOWER	EA1045CR	N/A	N/A	N/A
Conducted Emission Test Site: Conducted D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
USB Cable	ZHUANG SHAN CHUAN	E333601	N/A	N/A	N/A
Adapter	EDACPOWER	EA1045CR	N/A	N/A	N/A
Notebook	Lenovo	T420	S0012599	N/A	N/A
Radiated Emission Test Site: SAC C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Notebook	Lenovo	T440p	P0000665	N/A	N/A
USB Cable	ZHUANG SHAN CHUAN	E333601	N/A	N/A	N/A
Adapter	EDACPOWER	EA1045CR	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
§15.247(a)(2)	RSS-247 §5.2 a RSS-Gen §6.7	Emission Bandwidth	Compliant
§15.205 §15.209 §15.247(d)	RSS-247 §5.5 RSS-Gen §8.9 RSS-Gen §8.10 RSS-Gen §6.13	Radiated & Conducted Band Edge and Spurious Emission	Compliant
§15.247(e)	RSS-247 §5.2 b	Power Spectral Density	Compliant
§15.203	N/A	Antenna Requirement	Compliant

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4 DESCRIPTION OF TEST MODES

4.1 Operating Frequencies

Modulation of BW 20MHz		Modulation of BW 40MHz	
CHANNEL	FREQUENCY (MHz)	CHANNEL	FREQUENCY (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 gevin UE is pre-scanned among below modes.

Modulation	Transmission Chain				Single Transmission Spatial	Multiple Transmission Spatial
☒ 802.11 n	☒ Ch0	☐ Ch1	☐ Ch2	☐ Ch3	☒ 1TX	☐ 2TX
☒ 802.11 ac	☒ Ch0	☐ Ch1	☐ Ch2	☐ Ch3	☒ 1TX	☐ 2TX
☒ 802.11 ax	☒ Ch0	☐ Ch1	☐ Ch2	☐ Ch3	☒ 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.
5. Observations have been done for 802.11 ax available RU configurations below and found that the lowest, heighest and Full RU results higher emissions.
Only one RU can be enabled at any given time.

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802.11ax	20MHz				802.11ax	40MHz			
RU type	26-tone RU		52-tone RU		RU type	26-tone RU		52-tone RU	
RU index and subcarrier range	RU0	[-121: -96]	RU37	[-121: -70]	RU index and subcarrier range	RU0	[-243: -218]	RU37	[-243: -192]
	RU1	[-95: -70]	RU38	[-68: -17]		RU1	[-217: -192]	RU38	[-189: -138]
	RU2	[-68: -43]	RU39	[17: 68]		RU2	[-189: -164]	RU39	[-109: -58]
	RU3	[-42: -17]	RU40	[70: 121]		RU3	[-163: -138]	RU40	[-55: -4]
	RU4	[-16: -4, 4: 16]	RU41	N/A		RU4	[-136: -111]	RU41	[4: 55]
	RU5	[17: 42]	RU42	N/A		RU5	[-109: -84]	RU42	[58: 109]
	RU6	[43: 68]	RU43	N/A		RU6	[-83: -58]	RU43	[138: 189]
	RU7	[70: 95]	RU44	N/A		RU7	[-55: -30]	RU44	[192: 243]
	RU8	[96: 121]	RU45	N/A		RU8	[-29: -4]	RU45	N/A
	RU9	N/A	RU46	N/A		RU9	[4: 29]	RU46	N/A
	RU10	N/A	RU47	N/A		RU10	[30: 55]	RU47	N/A
	RU11	N/A	RU48	N/A		RU11	[58: 83]	RU48	N/A
	RU12	N/A	RU49	N/A		RU12	[84: 109]	RU49	N/A
	RU13	N/A	RU50	N/A		RU13	[111: 136]	RU50	N/A
	RU14	N/A	RU51	N/A		RU14	[138: 163]	RU51	N/A
	RU15	N/A	RU52	N/A		RU15	[164: 189]	RU52	N/A
	RU16	N/A				RU16	[192: 217]		
	RU17	N/A	106-tone RU			RU17	[218: 243]	106-tone RU	
	RU18	N/A	RU53	[-122: -17]		RU18	N/A	RU53	[-243: -138]
	RU19	N/A	RU54	[17: 122]		RU19	N/A	RU54	[-109: -4]
	RU20	N/A	RU55	N/A		RU20	N/A	RU55	[4: 109]
	RU21	N/A	RU56	N/A		RU21	N/A	RU56	[138: 243]
	RU22	N/A	RU57	N/A		RU22	N/A	RU57	N/A
	RU23	N/A	RU58	N/A		RU23	N/A	RU58	N/A
	RU24	N/A	RU59	N/A		RU24	N/A	RU59	N/A
	RU25	N/A	RU60	N/A		RU25	N/A	RU60	N/A
	RU26	N/A				RU26	N/A		
	RU27	N/A	242-tone RU			RU27	N/A	242-tone RU	
	RU28	N/A	RU61	[-122: -2, 2: 122]		RU28	N/A	RU61	[-244: -3]
	RU29	N/A	RU62	N/A		RU29	N/A	RU62	[3: 244]
	RU30	N/A	RU63	N/A		RU30	N/A	RU63	N/A
	RU31	N/A	RU64	N/A		RU31	N/A	RU64	N/A
	RU32	N/A				RU32	N/A		
	RU33	N/A				RU33	N/A	484-tone RU	
	RU34	N/A				RU34	N/A	RU65	[-244: -3, 3: 244]
	RU35	N/A				RU35	N/A	RU66	N/A
RU36	N/A			RU36	N/A				

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Conducted					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11ac (VHT20)	1 to 11	1,2,3,4,6,8,9,10,11	OFDM	MCS0	ch0
802.11n (HT40)	3 to 9	3,4,5,6,7,8,9	OFDM	MCS0	ch0
802.11ax (HE40)	3 to 9	3,4,5,6,7,8,9	OFDMA	MCS0	ch0

TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz)					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11ac_VHT20	1 to 11	6	OFDM	MCS0	ch0
802.11n40	3 to 9	6	OFDM	MCS0	ch0

TRANSMIT RADIATED EMISSION TEST (ABOVE 1 GHz)					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11ac_VHT20	1 to 11	1,6,11	OFDM	MCS0	ch0
802.11n40	3 to 9	3,4,5,6,7,8,9	OFDM	MCS0	ch0
802.11ax (HE40)	3 to 9	3,4,5,6,7,8,9	OFDMA	MCS0	ch0

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	+/- 2.32 dB
Output Power measurement	+/- 1 dB
Emission Bandwidth	+/- 1.53 Hz
Undesignable radiated emission measurement	+/- 1.68 dB
Peak Power Density	+/- 2.16 dB
Temperature	+/- 0.7 °C
Humidity	+/- 3 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty			
Polarization: Vertical	+/-	2.8 dB	9kHz~30MHz
	+/-	4.82 dB	30MHz - 1000MHz
	+/-	4.37 dB	1GHz - 18GHz
	+/-	4.21 dB	18GHz - 40GHz
Polarization: Horizontal	+/-	2.8 dB	9kHz~30MHz
	+/-	4.54 dB	30MHz - 1000MHz
	+/-	4.37 dB	1GHz - 18GHz
	+/-	4.21 dB	18GHz - 40GHz

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.	CAL DUE.
LISN	SCHWARZBECK Mess-Elektronik	NSLK8127	973	04/20/2023	04/19/2024
EMI Test Receiver	R&S	ESCI	101342	04/24/2023	04/23/2024
Coaxial Cable	EC Lab	RF-HY-CAB-250	RF-HY-CAB-250-01	03/27/2023	03/26/2024
Pulse Limiter	EC Lab	VTSD 9561F-N	485	03/27/2023	03/26/2024
DC Power Supply	Agilent	E3640A	MY53170008	09/12/2022	09/11/2023
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 D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010B	MY59071573	05/23/2023	05/22/2024
Power Meter	Anritsu	ML2496A	2138005	09/23/2022	09/22/2023
Power Sensor	Anritsu	MA2411B	1911395	09/23/2022	09/22/2023
Power Sensor	Anritsu	MA2411B	1911396	09/23/2022	09/22/2023
DC Power Supply	Agilent	E3640A	MY53140006	05/18/2023	05/17/2024
Test Software	SGS Taiwan	Radio Test Software	Ver.21	N.C.R	N.C.R
Attenuator	Woken	WATT-218FS-10	RF18	11/16/2022	11/15/2023
Attenuator	Woken	WATT-218FS-10	RF19	11/16/2022	11/15/2023
DC Block	PASTERNAK	PE8210	RF158	11/16/2022	11/15/2023

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6.3 Radiated Measurement

Radiated Emission Test Site: SAC C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
DC Power Supply	Agilent	E3640A	MY53170008	09/12/2022	09/11/2023
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-300	11/11/2022	11/10/2023
Horn Antenna	Schwarzbeck	BBHA9170	184	12/30/2022	12/29/2023
Horn Antenna	Schwarzbeck	BBHA9120D	1187	01/12/2023	01/11/2024
Loop Antenna	ETS.LINDGREN	6502	148045	10/05/2022	10/04/2023
3m Site NSA	SGS	966 chamber C	N/A	03/02/2023	03/01/2024
Spectrum Analyzer	KEYSIGHT	N9010A	MY57120200	03/29/2023	03/28/2024
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R
Pre-Amplifier	EMC Instruments	EMC330	980096	11/16/2022	11/15/2023
Pre-Amplifier	EMC Instruments	EMC0011830	980199	11/16/2022	11/15/2023
Pre-Amplifier	EMC Instruments	EMC18405SEE	980881	10/25/2022	10/24/2023
Attenuator	Woken	WATT-218FS-10	RF16	11/16/2022	11/15/2023
Coaxial Cable	Huber Suhner	EMC106-SM-SM-9100	150704	11/16/2022	11/15/2023
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17388/4	11/16/2022	11/15/2023
Coaxial Cable	Huber Suhner	RG 214/U	W22.03	11/16/2022	11/15/2023

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

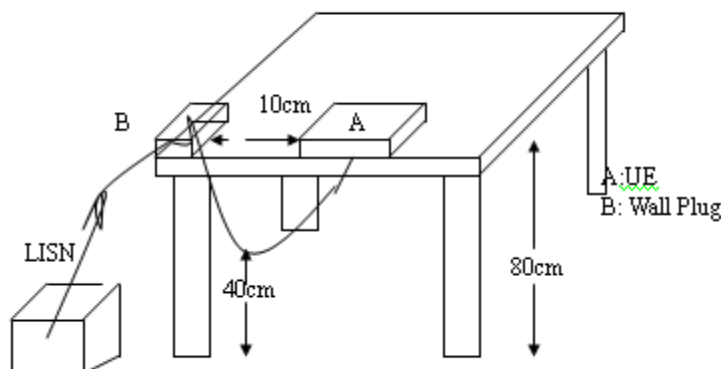
Note

- 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 120-240Vac/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

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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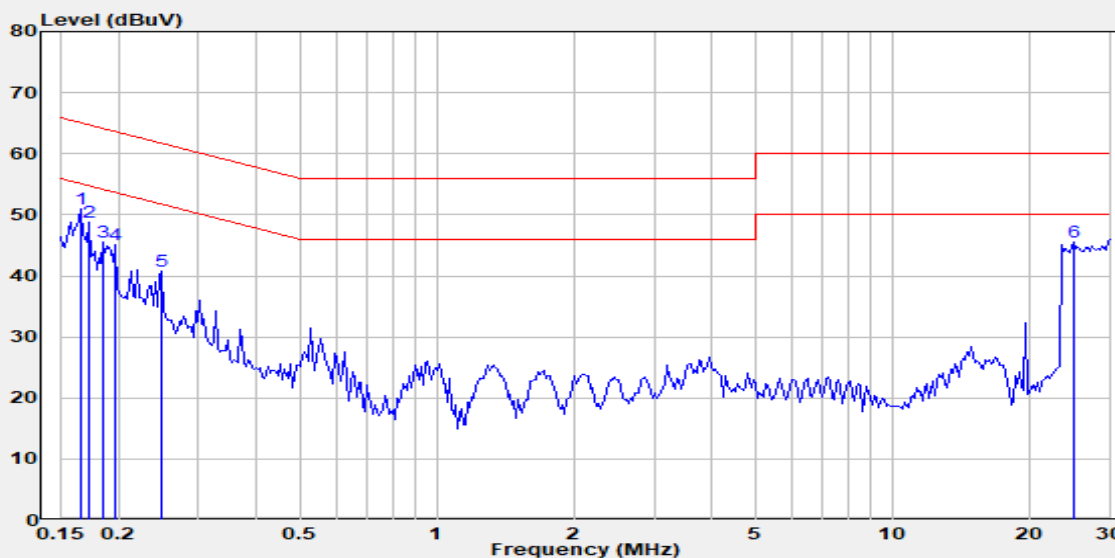
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AC POWER LINE CONDUCTED EMISSION TEST DATA

Report Number	:TERF2307001775E2	Test Site	:Conduction C
Test Mode	:2.4G	Test Date	:2023-08-02
Power	:120V/60Hz	Temp./Humi.	: 22.7°C/67%
Probe	:L1	Engineer	:Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS		
MHz	PK/QP/AV	dBμV	dB	dBμV	dBμV	dB
0.165	Peak	40.37	10.65	51.02	65.21	-14.19
0.172	Peak	38.16	10.65	48.81	64.86	-16.05
0.185	Peak	34.91	10.65	45.56	64.24	-18.68
0.198	Peak	34.40	10.65	45.05	63.71	-18.66
0.249	Peak	30.17	10.64	40.81	61.78	-20.97
25.055	Peak	34.22	11.28	45.50	60.00	-14.50

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Report Number :TERF2307001775E2

Test Site :Conduction C

Test Mode :2.4G

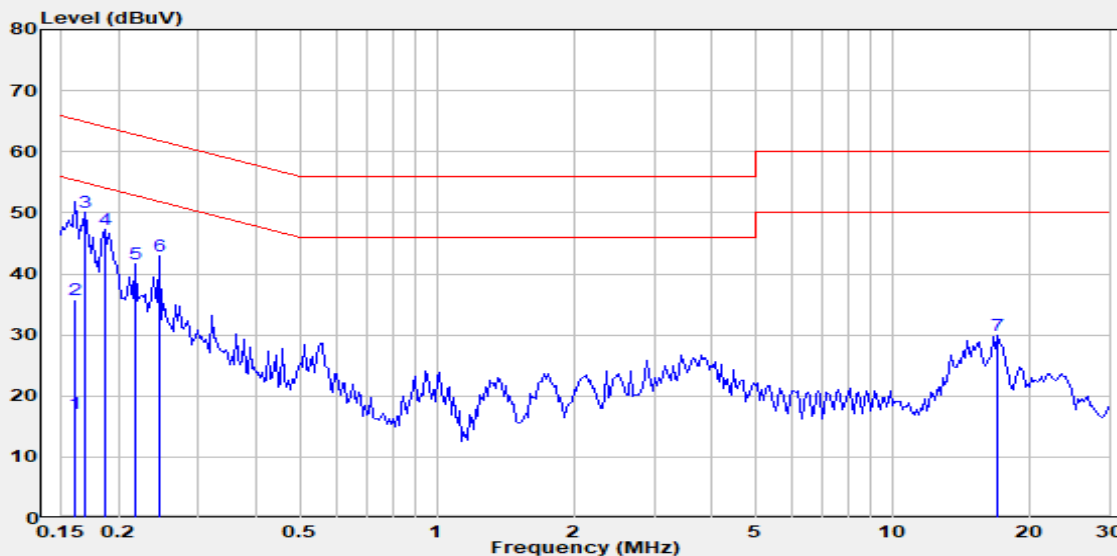
Test Date :2023-08-02

Power :120V/60Hz

Temp./Humi. :22.7°C/67%

Probe :N

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode	Reading Level	FS				
MHz	PK/QP/AV	dBμV	dB	dBμV	dBμV	dB
0.160	Average	6.40	10.66	17.06	55.47	-38.41
0.160	QP	25.20	10.66	35.86	65.47	-29.61
0.169	Peak	39.48	10.66	50.14	65.03	-14.89
0.187	Peak	36.61	10.65	47.27	64.15	-16.89
0.217	Peak	30.97	10.65	41.61	62.92	-21.31
0.247	Peak	32.27	10.64	42.91	61.86	-18.96
17.109	Peak	18.85	11.11	29.96	60.00	-30.04

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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.

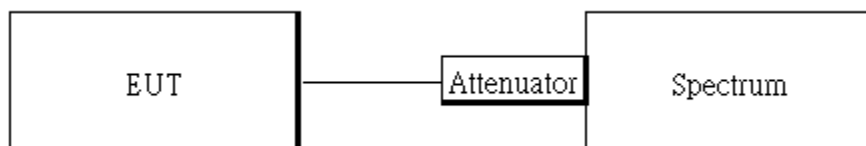
8.1.3 ISED

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 4 W (ISED only).

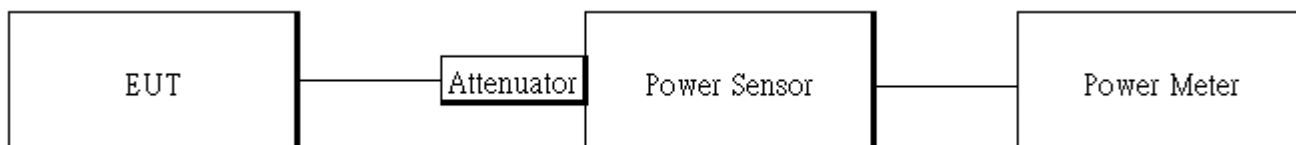
The antenna gain is not greater than 6 dBi. Therefore, reduction of power is not required.

8.2 Test Setup

8.2.1 Duty Cycle



8.2.2 Output Power:



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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.

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

8.4 Measurement Result

8.4.1 Duty Cycle:

	Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11n_40	97.79	0.10	1.51	2.00
802.11ac_20	98.75	0.05	0.74	0.01
802.11ac_40	97.67	0.10	1.49	2.00
802.11ax_40	97.35	0.12	1.81	2.00

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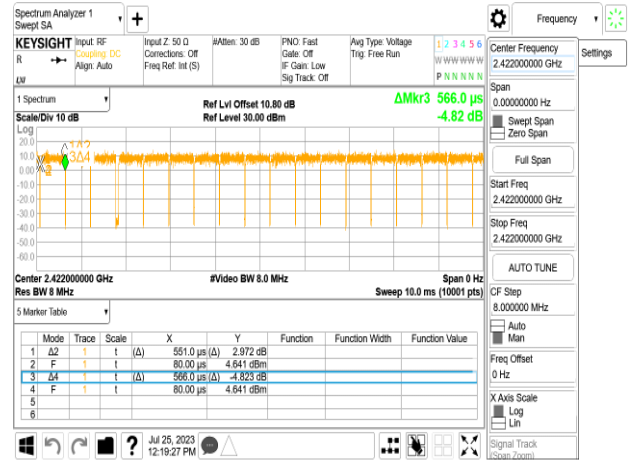
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8.4.2 Duty Cycle test plots

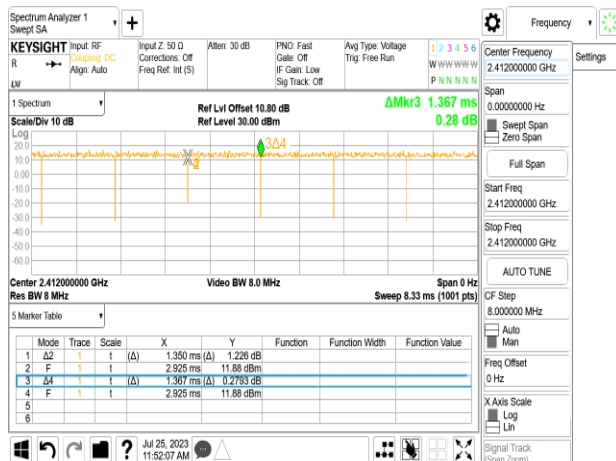
802.11n_40MHz_Chain0_2422MHz



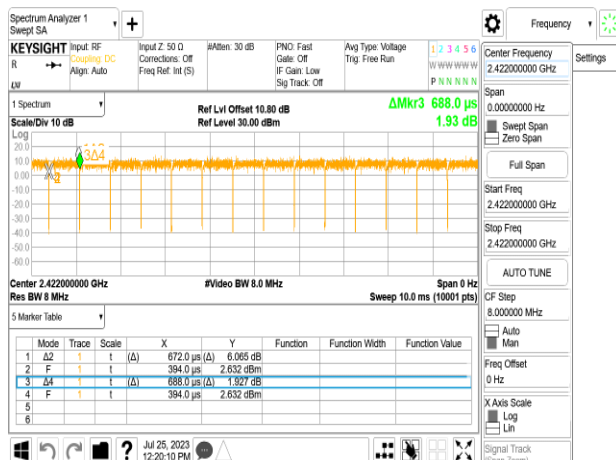
802.11ax_40MHz_Chain0_2422MHz



802.11ac_20MHz_Chain0_2412MHz



802.11ac_40MHz_Chain0_2422MHz



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8.4.3 Output Power

802.11n_HT_40M Ch0						
CH	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	12.75	21.75	30.00	PASS
4	2427	MCS0	14	21.97	30.00	PASS
5	2432	MCS0	14	22.02	30.00	PASS
6	2437	MCS0	14	21.95	30.00	PASS
7	2442	MCS0	13.75	22.05	30.00	PASS
8	2447	MCS0	12.75	21.70	30.00	PASS
9	2452	MCS0	13	21.57	30.00	PASS
802.11n_HT_40M Ch0						
CH	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	12.75	11.91	30.00	PASS
4	2427	MCS0	14	12.79	30.00	PASS
5	2432	MCS0	14	12.86	30.00	PASS
6	2437	MCS0	14	12.90	30.00	PASS
7	2442	MCS0	13.75	12.58	30.00	PASS
8	2447	MCS0	12.75	11.86	30.00	PASS
9	2452	MCS0	13	11.95	30.00	PASS

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802.11ac_VHT_20M Ch0

CH	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	14.25	22.30	30.00	PASS
2	2417	MCS0	14.5	22.81	30.00	PASS
3	2422	MCS0	16.5	22.72	30.00	PASS
4	2427	MCS0	17.75	22.83	30.00	PASS
6	2437	MCS0	18	22.47	30.00	PASS
8	2447	MCS0	18	22.78	30.00	PASS
9	2452	MCS0	17	22.59	30.00	PASS
10	2457	MCS0	15.5	22.51	30.00	PASS
11	2462	MCS0	13.75	22.14	30.00	PASS

802.11ac_VHT_20M Ch0

CH	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	14.25	12.80	30.00	PASS
2	2417	MCS0	14.5	13.73	30.00	PASS
3	2422	MCS0	16.5	15.56	30.00	PASS
4	2427	MCS0	17.75	16.72	30.00	PASS
6	2437	MCS0	18	16.84	30.00	PASS
8	2447	MCS0	18	16.89	30.00	PASS
9	2452	MCS0	17	15.79	30.00	PASS
10	2457	MCS0	15.5	14.73	30.00	PASS
11	2462	MCS0	13.75	12.79	30.00	PASS

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802.11ac_VHT_40M Ch0

CH	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	12.75	21.67	30.00	PASS
4	2427	MCS0	14	21.92	30.00	PASS
5	2432	MCS0	14.25	22.10	30.00	PASS
6	2437	MCS0	14	21.84	30.00	PASS
7	2442	MCS0	13.75	21.95	30.00	PASS
8	2447	MCS0	13	21.59	30.00	PASS
9	2452	MCS0	13	21.48	30.00	PASS

802.11ac_VHT_40M Ch0

CH	Freq. (MHz)	Data Rate	Power set	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	12.75	11.84	30.00	PASS
4	2427	MCS0	14	12.69	30.00	PASS
5	2432	MCS0	14.25	12.98	30.00	PASS
6	2437	MCS0	14	12.82	30.00	PASS
7	2442	MCS0	13.75	12.51	30.00	PASS
8	2447	MCS0	13	11.93	30.00	PASS
9	2452	MCS0	13	11.87	30.00	PASS

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802.11ax_HE_40M Ch0							
CH	Freq. (MHz)	Data Rate	RU Config	Power set	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	RU_Full	8.5	19.43	30.00	PASS
			SU	12.25	21.35	30.00	PASS
			26/0	12.5	22.07	30.00	PASS
			26/17	12.5	21.98	30.00	PASS
			52/37	12.5	22.21	30.00	PASS
			52/44	12.5	22.26	30.00	PASS
			106/53	12.5	22.47	30.00	PASS
			106/56	12.5	22.41	30.00	PASS
			242/61	12.25	22.50	30.00	PASS
4	2427	MCS0	RU_Full	10.25	21.05	30.00	PASS
			SU	13.5	21.97	30.00	PASS
			26/0	14.25	22.57	30.00	PASS
			26/17	14.5	22.45	30.00	PASS
			52/37	13.5	22.55	30.00	PASS
			52/44	13.5	22.51	30.00	PASS
			106/53	13.5	22.66	30.00	PASS
			106/56	13.5	22.57	30.00	PASS
			242/61	13.25	22.51	30.00	PASS
5	2432	MCS0	RU_Full	12.5	21.87	30.00	PASS
			SU	13.5	21.93	30.00	PASS
			26/0	14.5	22.21	30.00	PASS
			26/17	14.5	22.17	30.00	PASS
			52/37	13.5	22.44	30.00	PASS
			52/44	13.5	22.49	30.00	PASS
			106/53	13.5	22.53	30.00	PASS
			106/56	13.5	22.45	30.00	PASS
			242/61	13.25	22.41	30.00	PASS
6	2437	MCS0	RU_Full	13.5	22.16	30.00	PASS
			SU	13.5	22.25	30.00	PASS
			RU_Full	13.5	22.13	30.00	PASS
			SU	13.75	22.10	30.00	PASS
			26/0	14.5	22.44	30.00	PASS
			26/17	14.5	22.38	30.00	PASS
			52/37	13.5	22.58	30.00	PASS
			52/44	13.5	22.52	30.00	PASS
			106/53	13.5	22.42	30.00	PASS
7	2442	MCS0	106/56	13.5	22.46	30.00	PASS
			242/61	13.25	22.61	30.00	PASS
			242/62	13.25	22.52	30.00	PASS
			RU_Full	10.5	21.06	30.00	PASS
			SU	12.5	21.53	30.00	PASS
			26/0	13.5	22.39	30.00	PASS
			26/17	13.75	22.33	30.00	PASS
			52/37	12.5	22.41	30.00	PASS
			52/44	12.5	22.36	30.00	PASS
8	2447	MCS0	106/53	12.5	22.44	30.00	PASS
			106/56	12.5	22.35	30.00	PASS
			242/61	12.25	22.43	30.00	PASS
			242/62	12.25	22.36	30.00	PASS
			RU_Full	9.5	20.11	30.00	PASS
			SU	12.5	21.55	30.00	PASS
			26/0	13.5	22.27	30.00	PASS
			26/17	13.5	22.13	30.00	PASS
			52/37	12.5	22.37	30.00	PASS
9	2452	MCS0	52/44	12.5	22.32	30.00	PASS
			106/53	12.5	22.36	30.00	PASS
			106/56	12.5	22.30	30.00	PASS
			242/61	12.25	22.40	30.00	PASS
			242/62	12.25	22.34	30.00	PASS

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802.11ax_HE_40M Ch0							
CH	Freq. (MHz)	Data Rate	RU Config	Power set	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	RU_full	8.5	7.79	30.00	PASS
			SU	12.25	11.78	30.00	PASS
			26/0	12.5	10.71	30.00	PASS
			26/17	12.5	10.81	30.00	PASS
			52/37	12.5	11.74	30.00	PASS
			52/44	12.5	11.72	30.00	PASS
			106/53	12.5	11.75	30.00	PASS
			106/56	12.5	11.69	30.00	PASS
			242/61	12.25	11.68	30.00	PASS
4	2427	MCS0	RU_full	10.25	9.64	30.00	PASS
			SU	13.5	12.68	30.00	PASS
			26/0	14.25	12.62	30.00	PASS
			26/17	14.5	12.63	30.00	PASS
			52/37	13.5	12.65	30.00	PASS
			52/44	13.5	12.61	30.00	PASS
			106/53	13.5	12.64	30.00	PASS
			106/56	13.5	12.58	30.00	PASS
			242/61	13.25	12.60	30.00	PASS
5	2432	MCS0	RU_full	12.5	11.85	30.00	PASS
			SU	13.5	12.81	30.00	PASS
			26/0	14.5	12.77	30.00	PASS
			26/17	14.5	12.66	30.00	PASS
			52/37	13.5	12.68	30.00	PASS
			52/44	13.5	12.74	30.00	PASS
			106/53	13.5	12.79	30.00	PASS
			106/56	13.5	12.76	30.00	PASS
			242/61	13.25	12.78	30.00	PASS
6	2437	MCS0	RU_full	13.5	12.72	30.00	PASS
			SU	13.5	12.77	30.00	PASS
			RU_full	13.5	12.55	30.00	PASS
			SU	13.75	12.82	30.00	PASS
			26/0	14.5	12.74	30.00	PASS
			26/17	14.5	12.70	30.00	PASS
			52/37	13.5	12.79	30.00	PASS
			52/44	13.5	12.76	30.00	PASS
			106/53	13.5	12.72	30.00	PASS
7	2442	MCS0	106/56	13.5	12.78	30.00	PASS
			242/61	13.25	12.77	30.00	PASS
			242/62	13.25	12.72	30.00	PASS
			RU_full	10.5	9.77	30.00	PASS
			SU	12.5	11.87	30.00	PASS
			26/0	13.5	11.78	30.00	PASS
			26/17	13.75	11.71	30.00	PASS
			52/37	12.5	11.81	30.00	PASS
			52/44	12.5	11.82	30.00	PASS
8	2447	MCS0	106/53	12.5	11.75	30.00	PASS
			106/56	12.5	11.72	30.00	PASS
			242/61	12.25	11.77	30.00	PASS
			242/62	12.25	11.73	30.00	PASS
			RU_full	9.5	8.74	30.00	PASS
			SU	12.5	11.84	30.00	PASS
			26/0	13.5	11.74	30.00	PASS
			26/17	13.5	11.76	30.00	PASS
			52/37	12.5	11.80	30.00	PASS
9	2452	MCS0	52/44	12.5	11.76	30.00	PASS
			106/53	12.5	11.78	30.00	PASS
			106/56	12.5	11.73	30.00	PASS
			242/61	12.25	11.71	30.00	PASS
			242/62	12.25	11.68	30.00	PASS
			RU_full	9.5	8.74	30.00	PASS
			SU	12.5	11.84	30.00	PASS
			26/0	13.5	11.74	30.00	PASS
			26/17	13.5	11.76	30.00	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	11.91	3.60	15.51	36	PASS
4	2427	MCS0	12.79	3.60	16.39	36	PASS
5	2432	MCS0	12.86	3.60	16.46	36	PASS
6	2437	MCS0	12.90	3.60	16.50	36	PASS
7	2442	MCS0	12.58	3.60	16.18	36	PASS
8	2447	MCS0	11.86	3.60	15.46	36	PASS
9	2452	MCS0	11.95	3.60	15.55	36	PASS

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	12.80	3.60	16.40	36	PASS
2	2417	MCS0	13.73	3.60	17.33	36	PASS
3	2422	MCS0	15.56	3.60	19.16	36	PASS
4	2427	MCS0	16.72	3.60	20.32	36	PASS
6	2437	MCS0	16.84	3.60	20.44	36	PASS
8	2447	MCS0	16.89	3.60	20.49	36	PASS
9	2452	MCS0	15.79	3.60	19.39	36	PASS
10	2457	MCS0	14.73	3.60	18.33	36	PASS
11	2462	MCS0	12.79	3.60	16.39	36	PASS

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	11.84	3.60	15.44	36	PASS
4	2427	MCS0	12.69	3.60	16.29	36	PASS
5	2432	MCS0	12.98	3.60	16.58	36	PASS
6	2437	MCS0	12.82	3.60	16.42	36	PASS
7	2442	MCS0	12.51	3.60	16.11	36	PASS
8	2447	MCS0	11.93	3.60	15.53	36	PASS
9	2452	MCS0	11.87	3.60	15.47	36	PASS

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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	RU_Full	7.79	3.60	11.39	36	PASS
			SU	11.78	3.60	15.38	36	PASS
			26/0	10.71	3.60	14.31	36	PASS
			26/17	10.81	3.60	14.41	36	PASS
			52/37	11.74	3.60	15.34	36	PASS
			52/44	11.72	3.60	15.32	36	PASS
			106/53	11.75	3.60	15.35	36	PASS
			106/56	11.69	3.60	15.29	36	PASS
			242/61	11.68	3.60	15.28	36	PASS
			242/62	11.71	3.60	15.31	36	PASS
4	2427	MCS0	RU_Full	9.64	3.60	13.24	36	PASS
			SU	12.68	3.60	16.28	36	PASS
			26/0	12.62	3.60	16.22	36	PASS
			26/17	12.63	3.60	16.23	36	PASS
			52/37	12.65	3.60	16.25	36	PASS
			52/44	12.61	3.60	16.21	36	PASS
			106/53	12.64	3.60	16.24	36	PASS
			106/56	12.58	3.60	16.18	36	PASS
			242/61	12.60	3.60	16.20	36	PASS
			242/62	12.63	3.60	16.23	36	PASS
5	2432	MCS0	RU_Full	11.85	3.60	15.45	36	PASS
			SU	12.81	3.60	16.41	36	PASS
			26/0	12.77	3.60	16.37	36	PASS
			26/17	12.66	3.60	16.26	36	PASS
			52/37	12.68	3.60	16.28	36	PASS
			52/44	12.74	3.60	16.34	36	PASS
			106/53	12.79	3.60	16.39	36	PASS
			106/56	12.76	3.60	16.36	36	PASS
			242/61	12.78	3.60	16.38	36	PASS
			242/62	12.74	3.60	16.34	36	PASS
6	2437	MCS0	RU_Full	12.72	3.60	16.32	36	PASS
			SU	12.77	3.60	16.37	36	PASS
7	2442	MCS0	RU_Full	12.55	3.60	16.15	36	PASS
			SU	12.82	3.60	16.42	36	PASS
			26/0	12.74	3.60	16.34	36	PASS
			26/17	12.70	3.60	16.30	36	PASS
			52/37	12.79	3.60	16.39	36	PASS
			52/44	12.76	3.60	16.36	36	PASS
			106/53	12.72	3.60	16.32	36	PASS
			106/56	12.78	3.60	16.38	36	PASS
			242/61	12.77	3.60	16.37	36	PASS
			242/62	12.72	3.60	16.32	36	PASS
8	2447	MCS0	RU_Full	9.77	3.60	13.37	36	PASS
			SU	11.87	3.60	15.47	36	PASS
			26/0	11.78	3.60	15.38	36	PASS
			26/17	11.71	3.60	15.31	36	PASS
			52/37	11.81	3.60	15.41	36	PASS
			52/44	11.82	3.60	15.42	36	PASS
			106/53	11.75	3.60	15.35	36	PASS
			106/56	11.72	3.60	15.32	36	PASS
			242/61	11.77	3.60	15.37	36	PASS
			242/62	11.73	3.60	15.33	36	PASS
9	2452	MCS0	RU_Full	8.74	3.60	12.34	36	PASS
			SU	11.84	3.60	15.44	36	PASS
			26/0	11.74	3.60	15.34	36	PASS
			26/17	11.76	3.60	15.36	36	PASS
			52/37	11.80	3.60	15.40	36	PASS
			52/44	11.76	3.60	15.36	36	PASS
			106/53	11.78	3.60	15.38	36	PASS
			106/56	11.73	3.60	15.33	36	PASS
			242/61	11.71	3.60	15.31	36	PASS
			242/62	11.68	3.60	15.28	36	PASS

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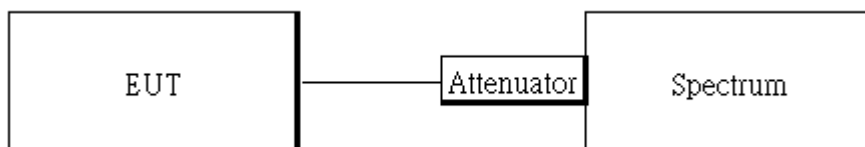
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9 EMISSION BANDWIDTH MEASUREMENT

9.1 Standard Applicable

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

9.2 Test Setup



9.3 Measurement Procedure:

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

9.3.1 FCC measurements

1. The testing follows the Measurement Procedure of the KDB 558074 D01.
2. Set the spectrum analyzer as
RBW= 100 kHz ,
VBW = 3 X RBW,
Span= 2 to 5 times of the OBW,
Sweep=auto, Detector = Peak, and Max hold.
3. Mark the upper and lower frequencies of -6dB.
4. Repeat above procedures until all test default channel is completed.

9.3.2 ISED measurements

1. The testing follows the Measurement Procedure of the RSS-Gen section 6.7.
2. Set the spectrum analyzer as
RBW= 1 % to 5% of 99% and -6dB Bandwidth ,
VBW $\geq$ 3 X RBW,
Span= large enough to capture all products of the modulation process
Sweep=auto, Detector = Peak, and Max hold.
3. Mark the upper and lower frequencies of 99% and -6dB.
4. Repeat above procedures until all test default channel is completed.

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9.4 6dB Bandwidth

802.11n_HT_40M Ch0

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2422	35860.00	≥ 500	PASS
2437	35780.00	≥ 500	PASS
2452	35820.00	≥ 500	PASS

802.11ac_VHT_20M Ch0

Freq. (MHz)	6dB BW (kHz)	Limit (kHz)	Result
2412	17560.00	≥ 500	PASS
2437	17530.00	≥ 500	PASS
2462	17550.00	≥ 500	PASS

802.11ax_HE_40M Ch0

Freq. (MHz)	RU Config	6dB BW (kHz)	Limit (kHz)	Result
2422	SU	37360.00	≥ 500	PASS
2437	SU	37170.00	≥ 500	PASS
2452	SU	37360.00	≥ 500	PASS

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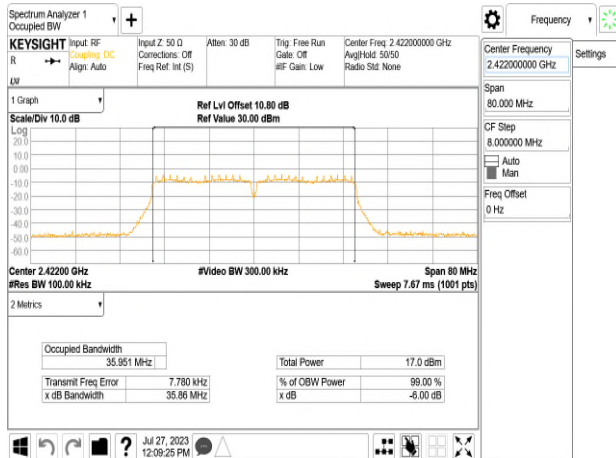
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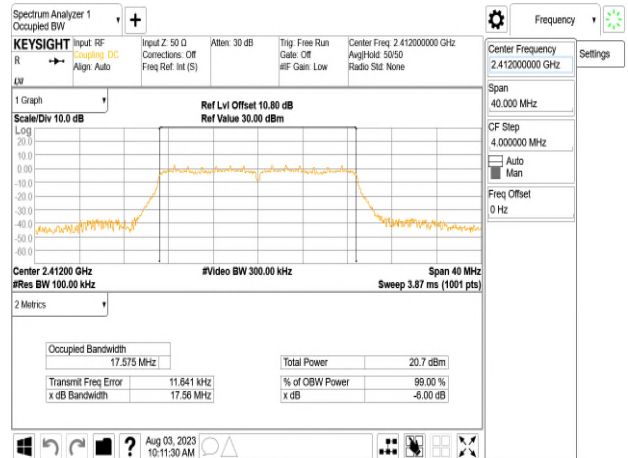
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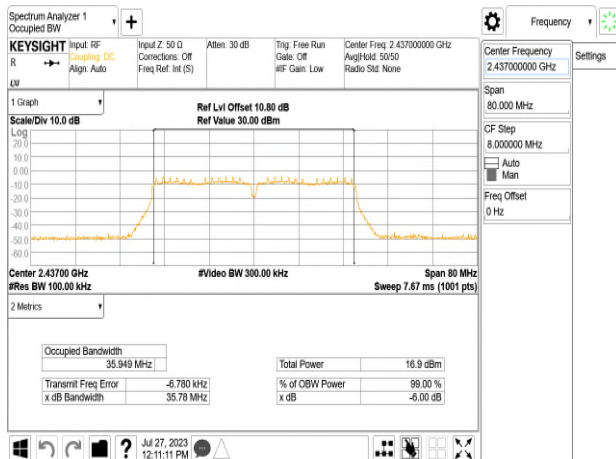
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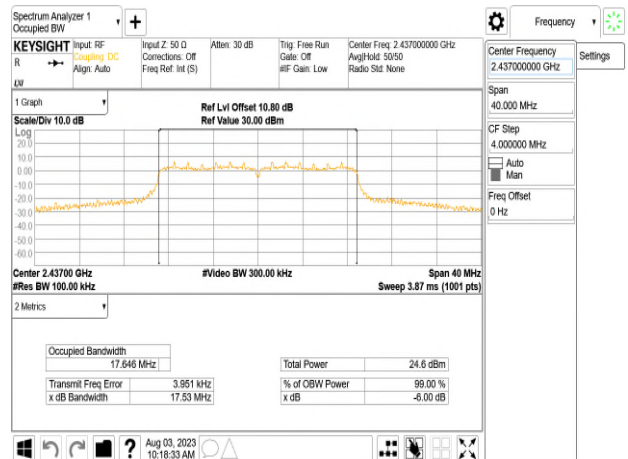
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802.11n_40MHz_Chain0_2437MHz



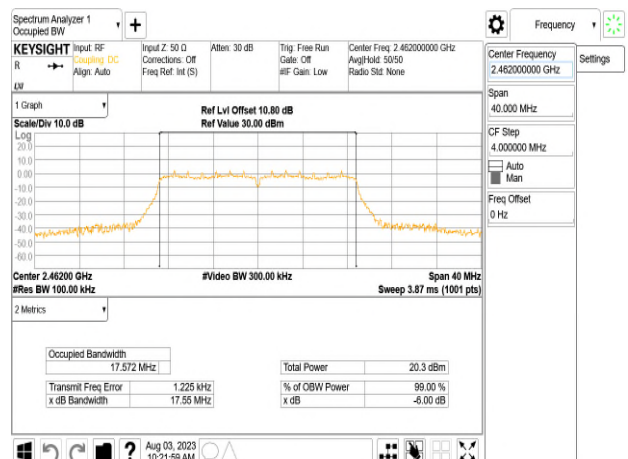
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802.11n_40MHz_Chain0_2452MHz



802.11ac_20MHz_Chain0_2462MHz

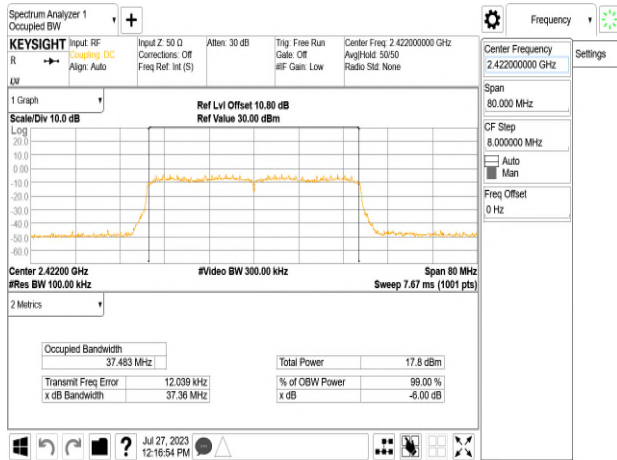


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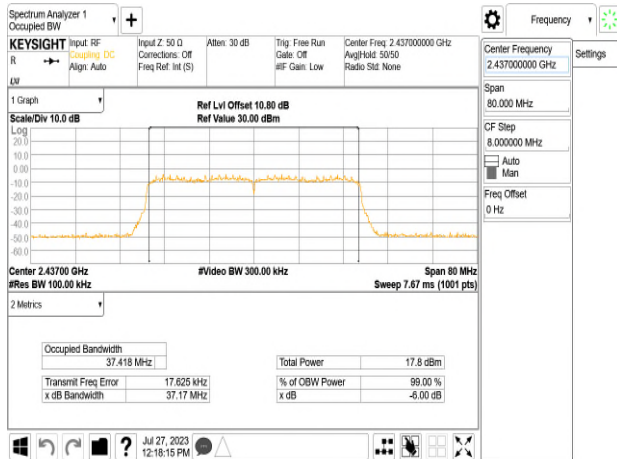
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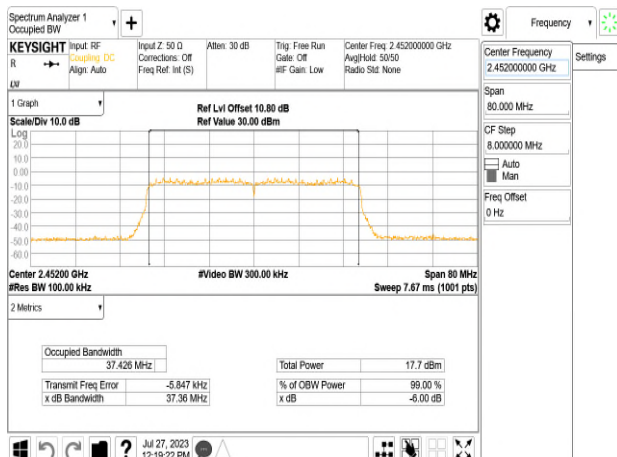
802.11ax_40MHz_Chain0_2422MHz



802.11ax_40MHz_Chain0_2437MHz



802.11ax_40MHz_Chain0_2452MHz



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9.5 99% Bandwidth

802.11n_HT40M Ch0

Freq. (MHz)	99% BW (MHz)
2422	36.189
2437	36.193
2452	36.191

802.11ac_VHT20M Ch0

Freq. (MHz)	99% BW (MHz)
2412	17.667
2437	17.914
2462	17.66

802.11ax_HE40M Ch0

Freq. (MHz)	RU Config	99% BW (MHz)
2422	SU	37.537
2437	SU	37.551
2452	SU	37.486

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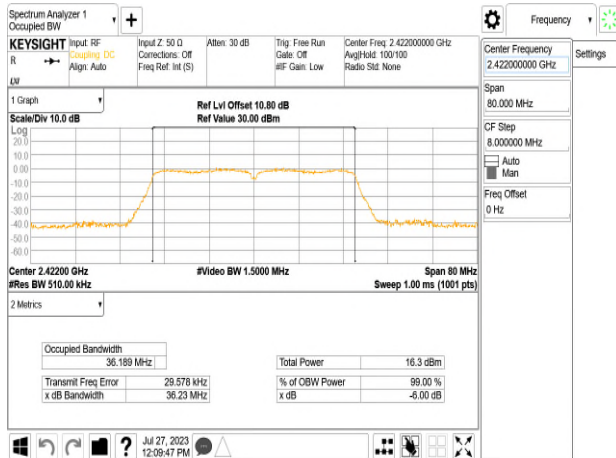
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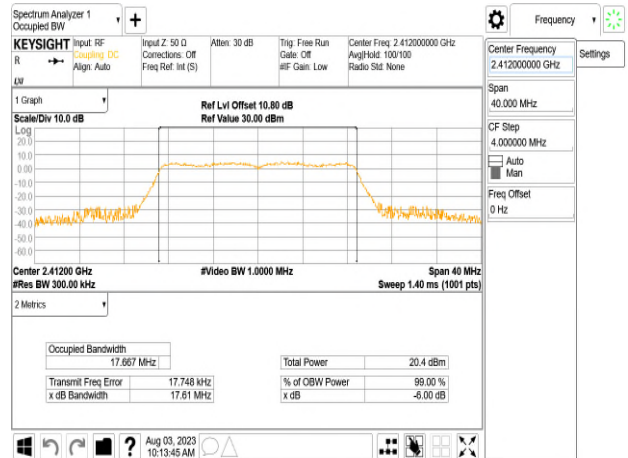
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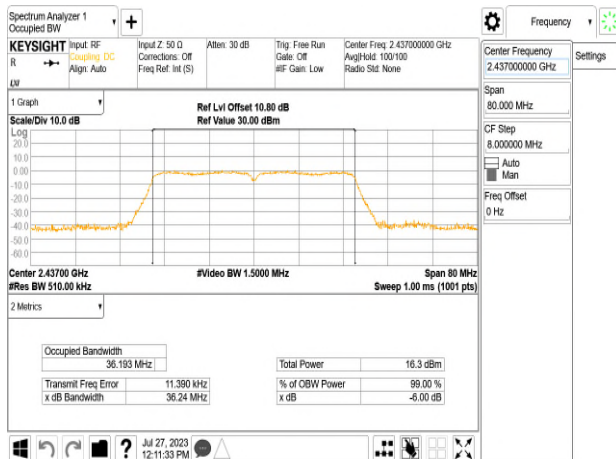
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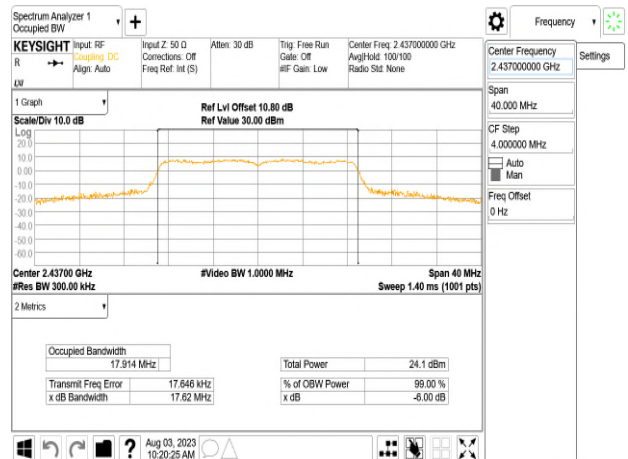
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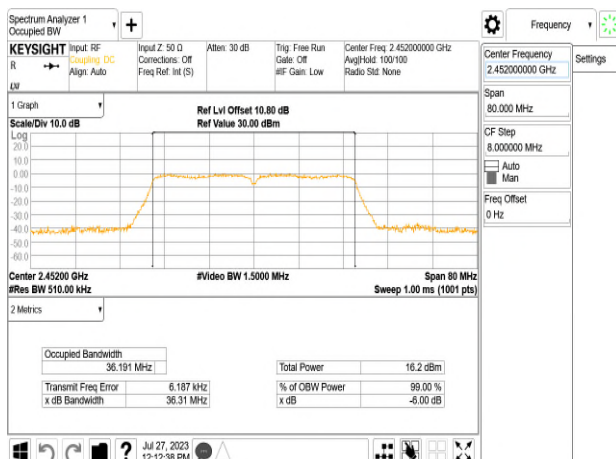
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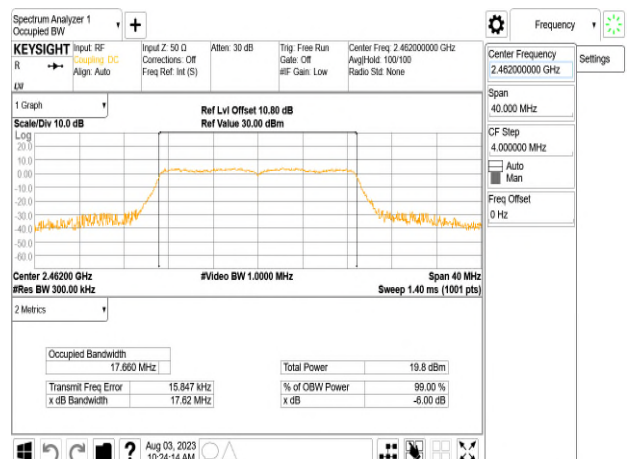
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802.11n_40MHz_Chain0_2452MHz



802.11ac_20MHz_Chain0_2462MHz

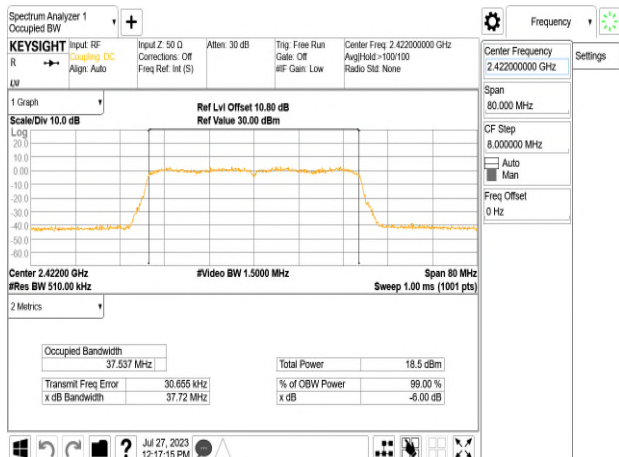


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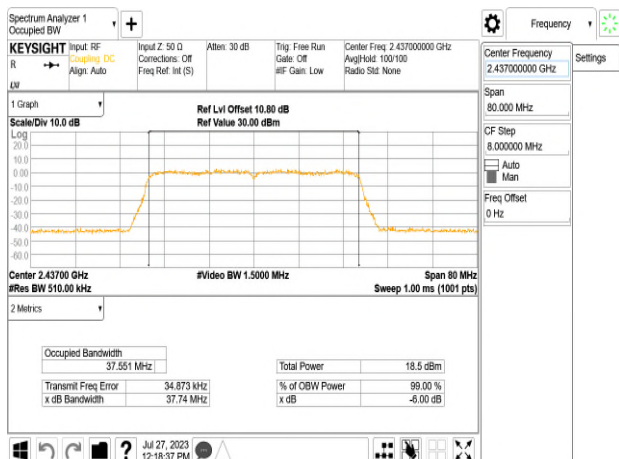
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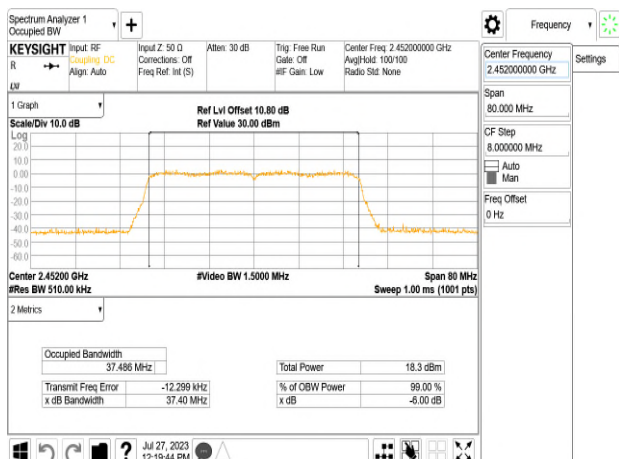
802.11ax_40MHz_Chain0_2422MHz



802.11ax_40MHz_Chain0_2437MHz



802.11ax_40MHz_Chain0_2452MHz



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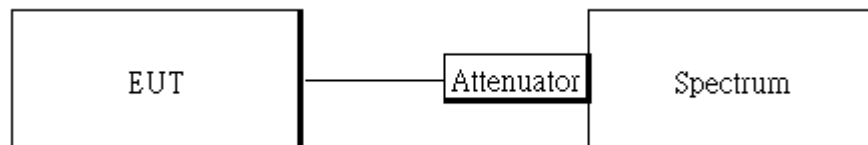
10 CONDUCTED BAND EDGES AND SPURIOUS EMISSION MEASUREMENT

10.1 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, as defined in §15.205(a) & RSS-Gen §8.10, must also comply with the radiated emission limits specified in §15.209(a) & RSS-Gen §8.9.

10.2 Test Setup



10.3 Measurement Procedure

10.3.1 Reference Level of Emission Limit:

1. Set analyzer center frequency to DTS channel center frequency.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Set the span to 1.5 times the DTS channel bandwidth.
4. Set the RBW = 100kHz & VBW = 300 kHz.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.

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10.3.2 Conducted Band Edge:

1. To connect Antenna Port of EUT to Spectrum.
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 spectrum analyzer.
4. Set start to edge frequency, and stop frequency of spectrum analyzer so as to encompass the spectrum to be examined.
5. Set the spectrum analyzer as RBW=100 kHz, VBW=300 kHz, Detector = Peak, Sweep = auto
6. Mark the highest reading of the emission as the reference level measurement.
7. Set DL as the limit = reading on marker of reference level measurement – 20dBm
8. Mark the highest readings of the emissions outside of 2400MHz~2483.5MHz.
9. Repeat above procedures until all default test channel (low, middle, and high) was complete.

Conducted Spurious Emission:

1. To connect Antenna Port of EUT to Spectrum
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Set RBW = 100 kHz & VBW= 300 kHz, Detector =Peak, Sweep = Auto.
4. Allow trace to fully stabilize.
5. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.
6. Repeat above procedures until all default test channel measured were complete.

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10.4 Measurement Result

802.11n_HT_40M Ch0

Reference Level of Limit		
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)
2422	-1.13	-21.13
2437	0.35	-19.65
2452	-1.46	-21.46

802.11ac_VHT_20M Ch0

Reference Level of Limit		
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)
2412	2.67	-17.33
2437	6.54	-13.46
2462	2.11	-17.89

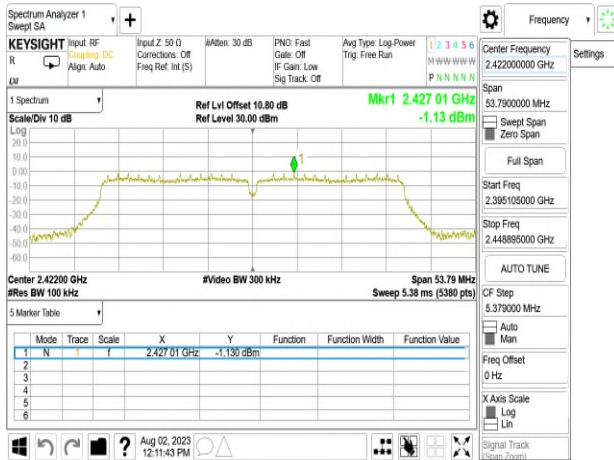
802.11ax_HE_40M Ch0

Reference Level of Limit		
Freq. (MHz)	PSD (dBm)	Reference Level of Limit (dBm)
2422	-1.3	-21.30
2437	-0.37	-20.37
2452	-1.5	-21.50

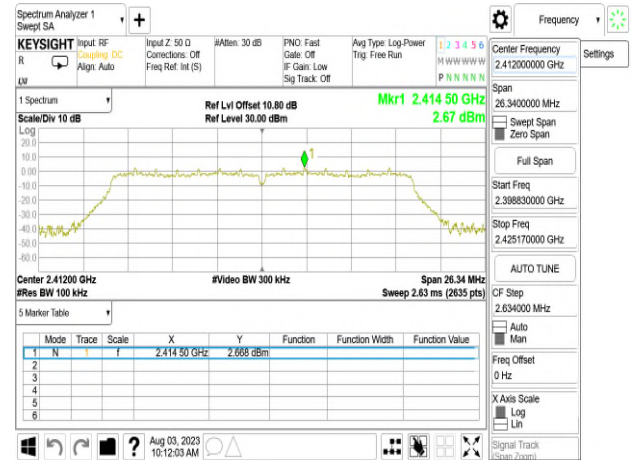
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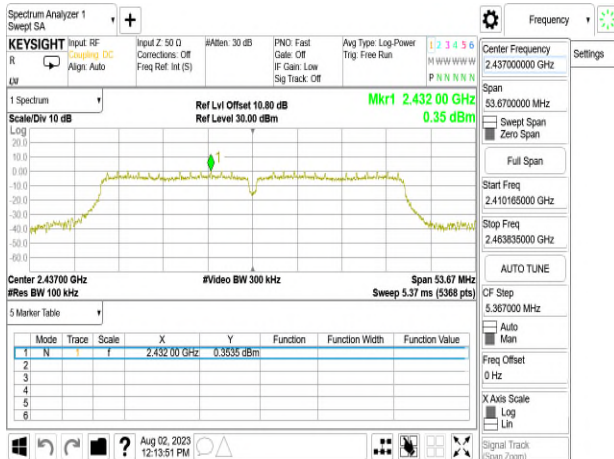
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802.11ac_20MHz_Chain0_2412MHz



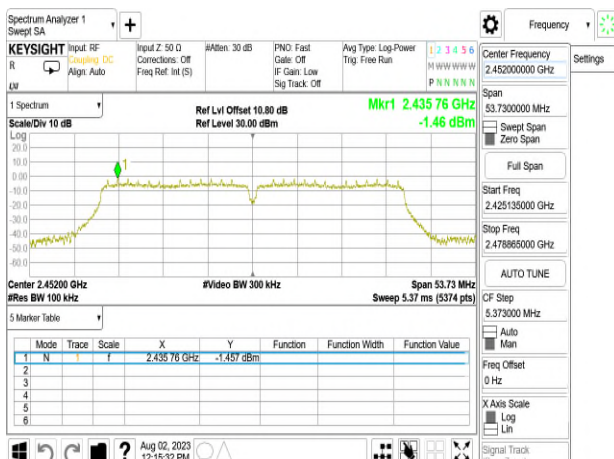
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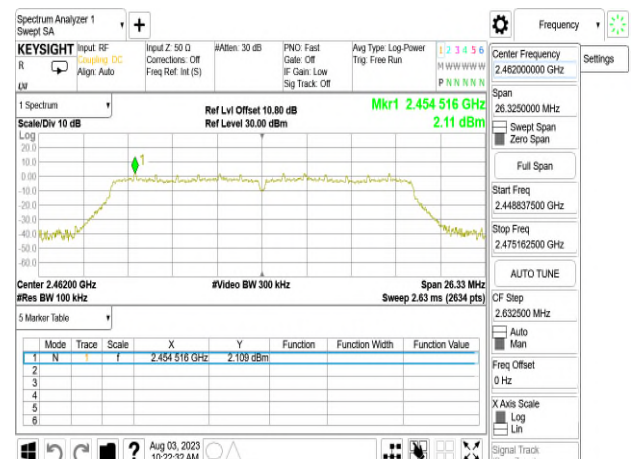
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802.11n_40MHz_Chain0_2452MHz



802.11ac_20MHz_Chain0_2462MHz

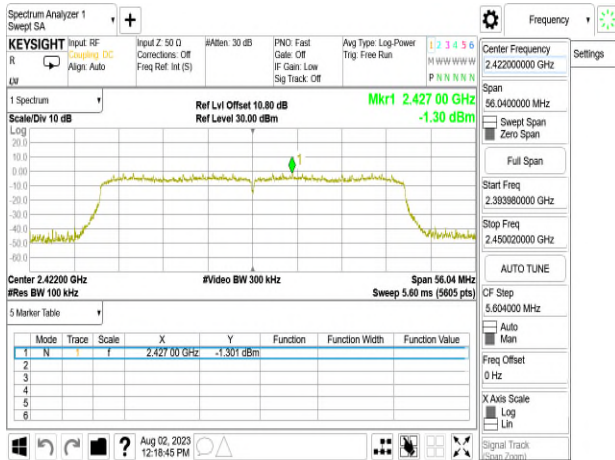


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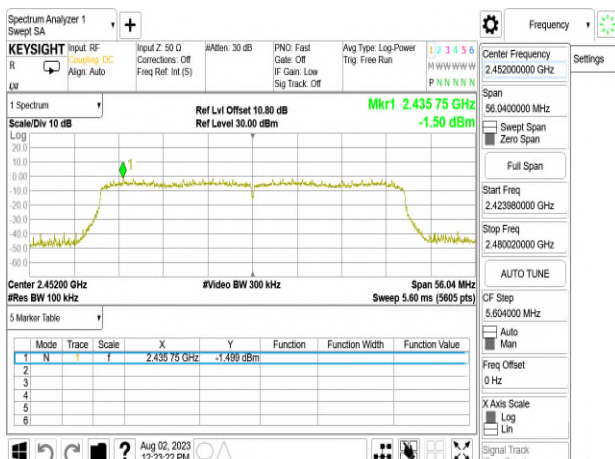
802.11ax_40MHz_Chain0_2422MHz



802.11ax_40MHz_Chain0_2437MHz



802.11ax_40MHz_Chain0_2452MHz



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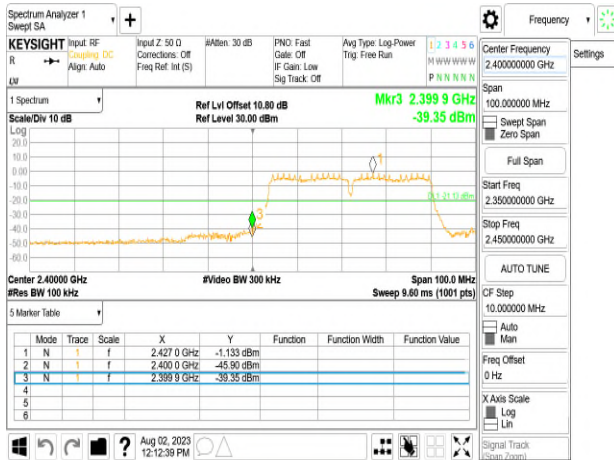
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802.11n_40MHz_Chain0_2422MHz



802.11ac_20MHz_Chain0_2462MHz



802.11n_40MHz_Chain0_2452MHz



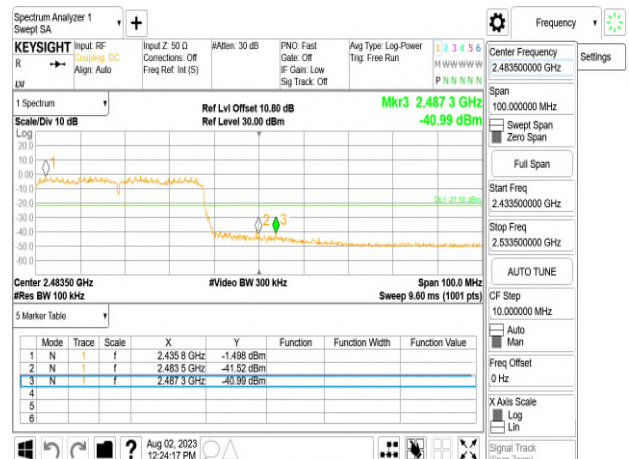
802.11ax_40MHz_Chain0_2422MHz



802.11ac_20MHz_Chain0_2412MHz



802.11ax_40MHz_Chain0_2452MHz



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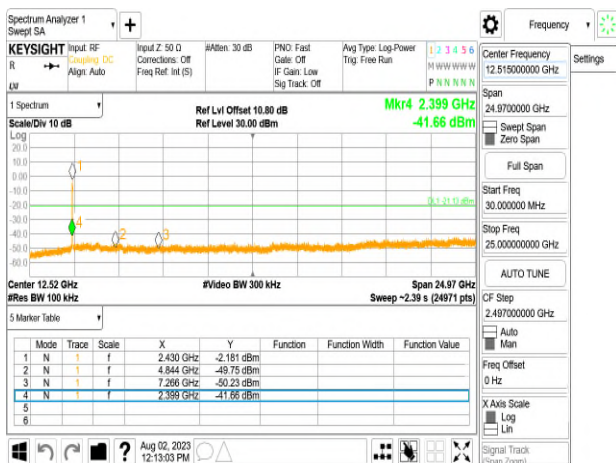
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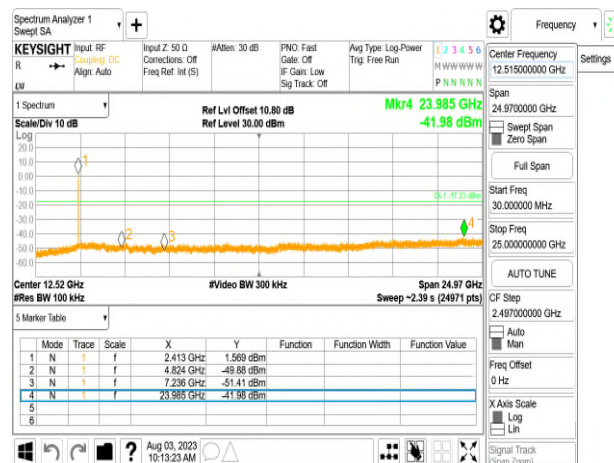
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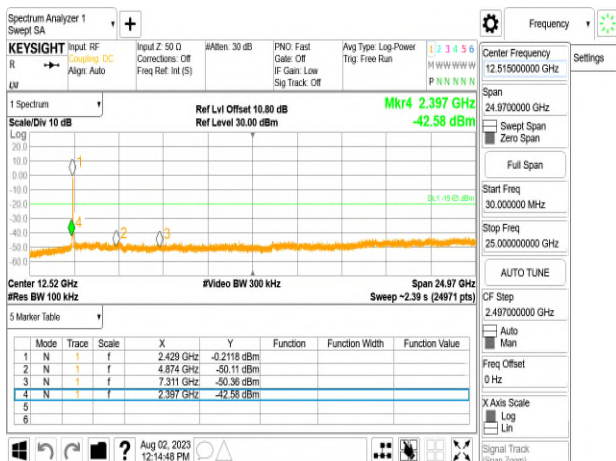
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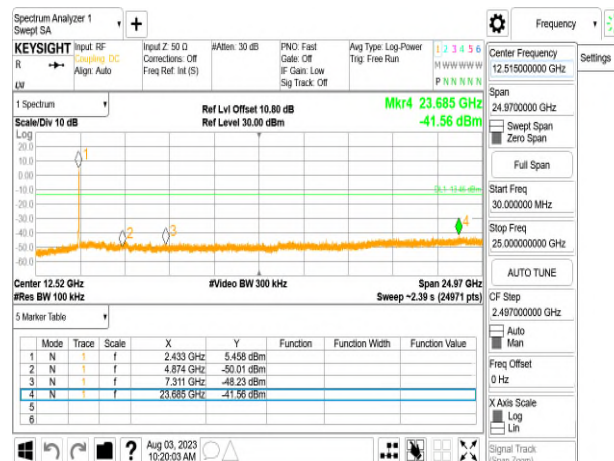
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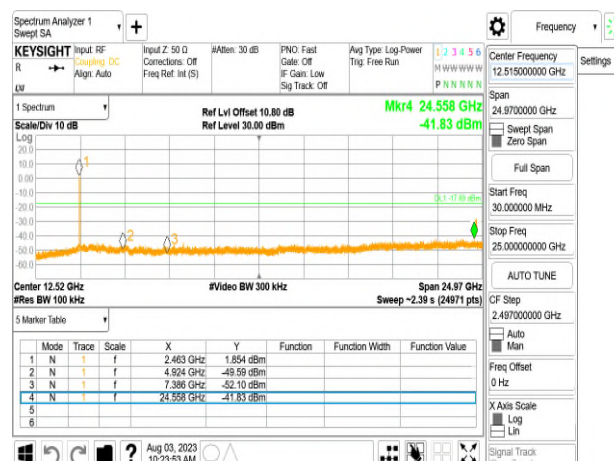
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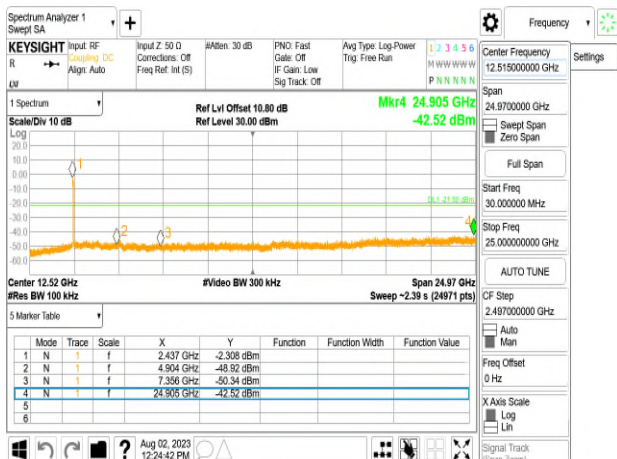
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802.11ax_40MHz_Chain0_2437MHz



802.11ax_40MHz_Chain0_2452MHz



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11 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

11.1 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:

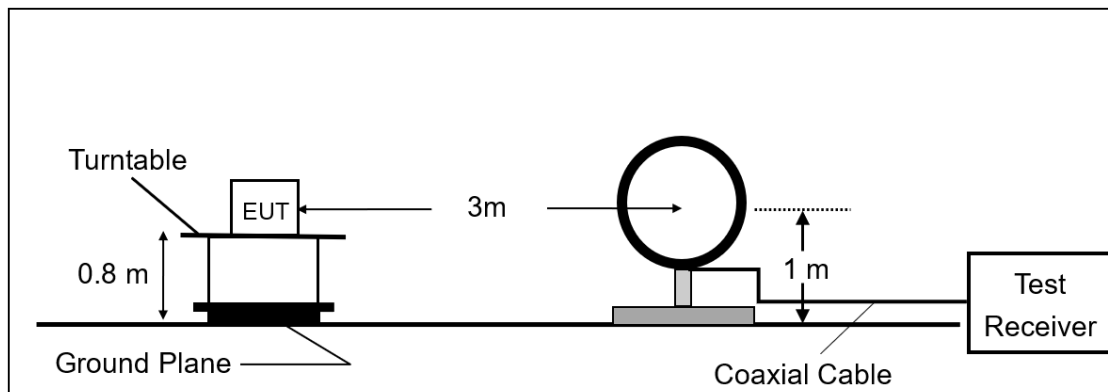
1. The lower limit shall apply at the transition frequencies.

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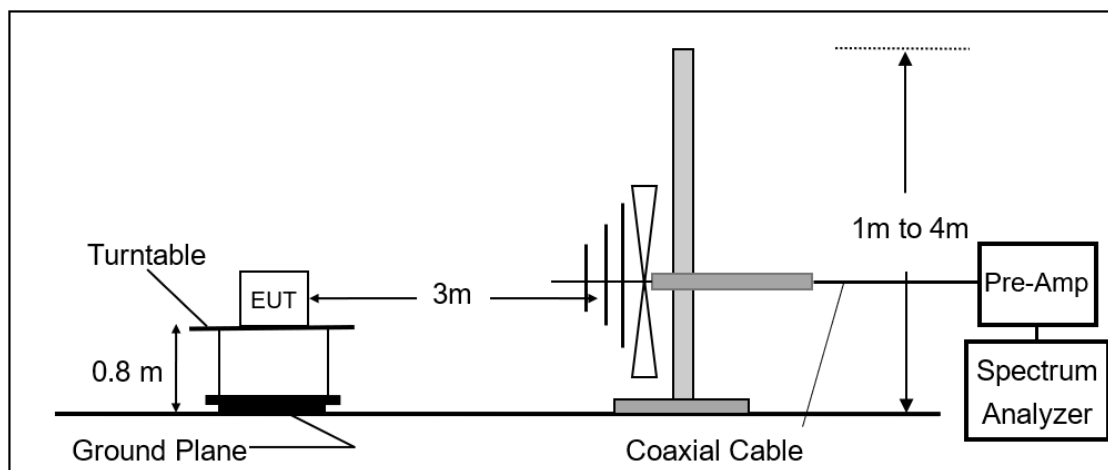
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11.2 Test Setup

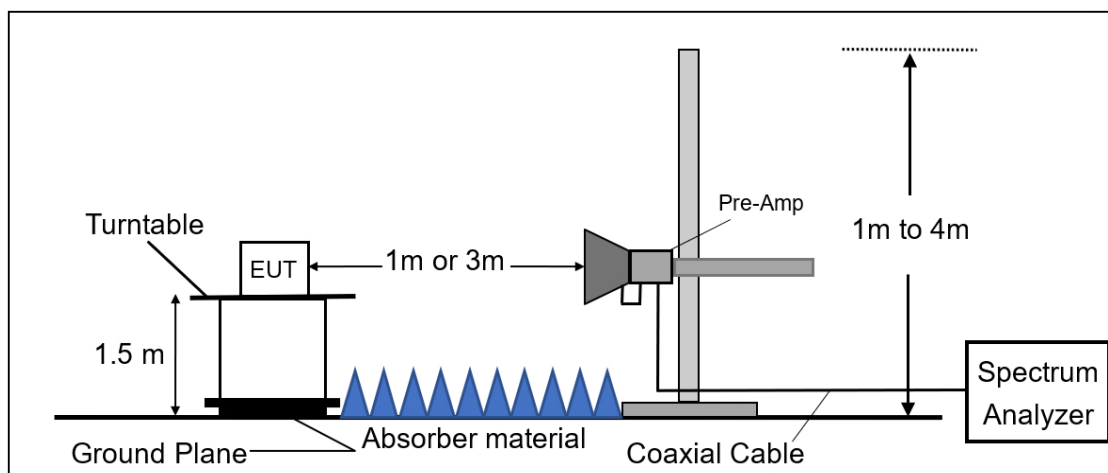
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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11.3 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 for Maximum Emission Measurements at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 1/T (Duty cycle < 98%) for Average Emission Measurements at frequency above 1 GHz.
9. 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.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
12. Repeat above procedures until all default test channel measured were complete.

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11.4 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:

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

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(dBμV/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

11.5 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.

11.6 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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11.6.1 Radiated Band Edge Measurement Result

ANT0(monopole)

Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-07-31

Test Frequency :2412 MHz

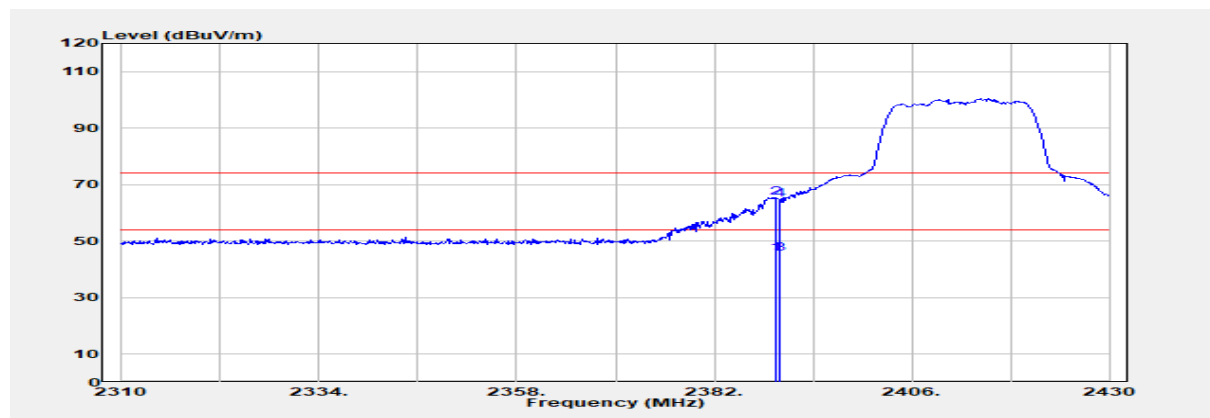
Temp./Humi. :22.5°C/59%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.440	Average	47.64	-2.15	45.48	54.00	-8.52
2389.440	Peak	67.59	-2.15	65.43	74.00	-8.57
2390.000	Average	47.79	-2.15	45.64	54.00	-8.36
2390.000	Peak	66.75	-2.15	64.60	74.00	-9.40

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-07-31

Test Frequency :2412 MHz

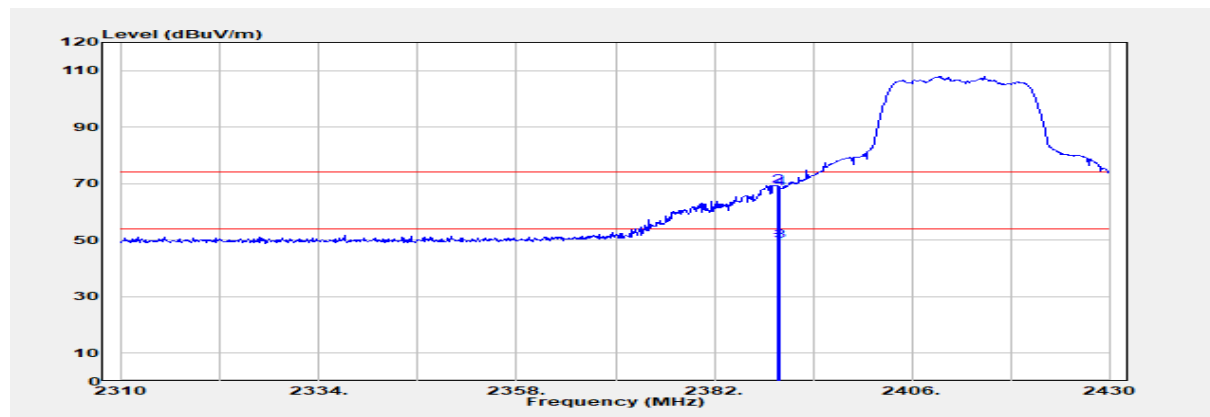
Temp./Humi. :22.5°C/59%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.680	Average	51.24	-2.15	49.09	54.00	-4.91
2389.680	Peak	71.50	-2.15	69.35	74.00	-4.65
2390.000	Average	51.79	-2.15	49.64	54.00	-4.36
2390.000	Peak	70.40	-2.15	68.25	74.00	-5.75

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-07-31

Test Frequency :2462 MHz

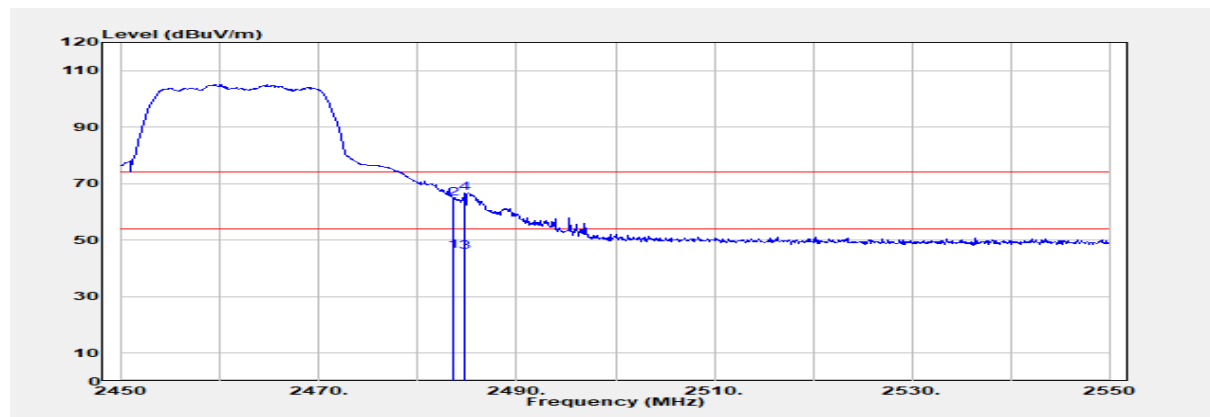
Temp./Humi. :22.5°C/59%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode	Reading Level			FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	48.35	-2.06	46.30	54.00	-7.70
2483.500	Peak	66.86	-2.06	64.80	74.00	-9.20
2484.800	Average	47.98	-2.06	45.93	54.00	-8.07
2484.800	Peak	68.75	-2.06	66.69	74.00	-7.31

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Operation Mode :802.11ac20

Test Date :2023-07-31

Test Frequency :2462 MHz

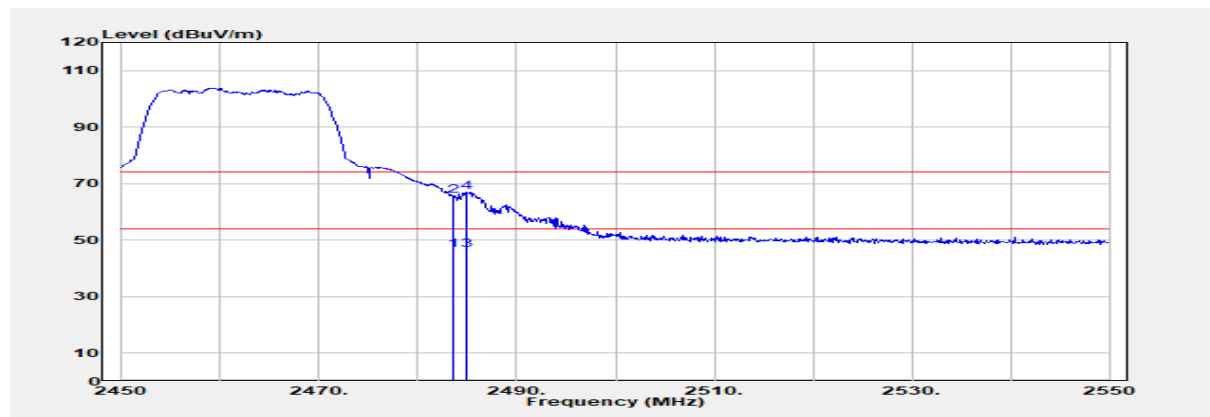
Temp./Humi. :22.5°C/59%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	48.64	-2.06	46.58	54.00	-7.42
2483.500	Peak	67.74	-2.06	65.68	74.00	-8.32
2485.000	Average	48.44	-2.06	46.38	54.00	-7.62
2485.000	Peak	69.06	-2.06	67.00	74.00	-7.00

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-31

Test Frequency :2422 MHz

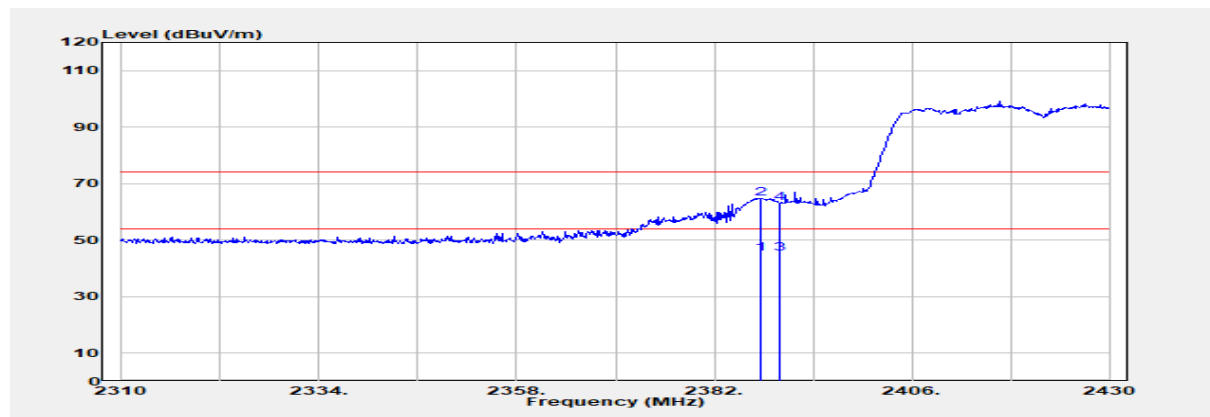
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2387.760	Average	47.22	-2.15	45.07	54.00	-8.93
2387.760	Peak	67.02	-2.15	64.87	74.00	-9.13
2390.000	Average	47.32	-2.15	45.17	54.00	-8.83
2390.000	Peak	65.27	-2.15	63.12	74.00	-10.88

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-31

Test Frequency :2422 MHz

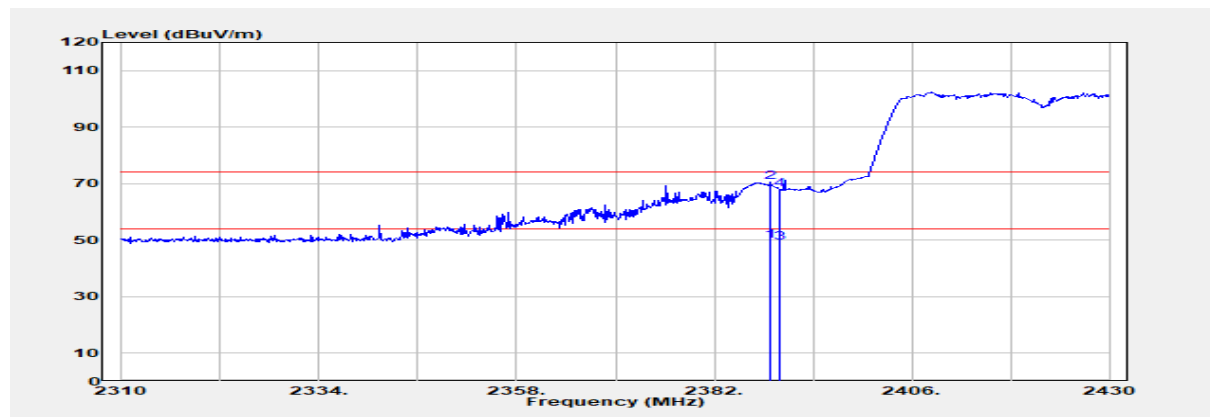
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.840	Average	51.95	-2.15	49.80	54.00	-4.20
2388.840	Peak	72.77	-2.15	70.62	74.00	-3.38
2390.000	Average	51.21	-2.15	49.06	54.00	-4.94
2390.000	Peak	70.16	-2.15	68.01	74.00	-5.99

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-31

Test Frequency :2427 MHz

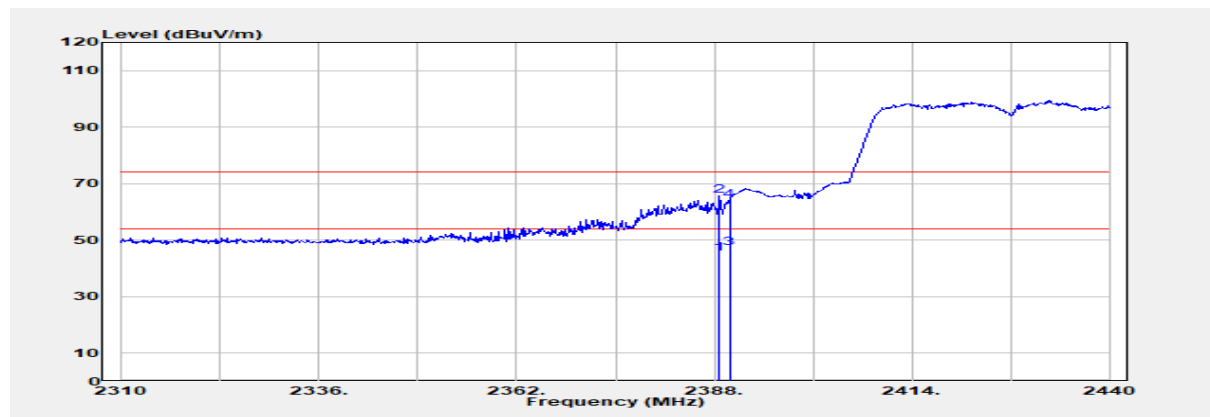
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.650	Average	47.25	-2.15	45.10	54.00	-8.90
2388.650	Peak	67.87	-2.15	65.72	74.00	-8.28
2390.000	Average	49.42	-2.15	47.26	54.00	-6.74
2390.000	Peak	66.10	-2.15	63.94	74.00	-10.06

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-31

Test Frequency :2427 MHz

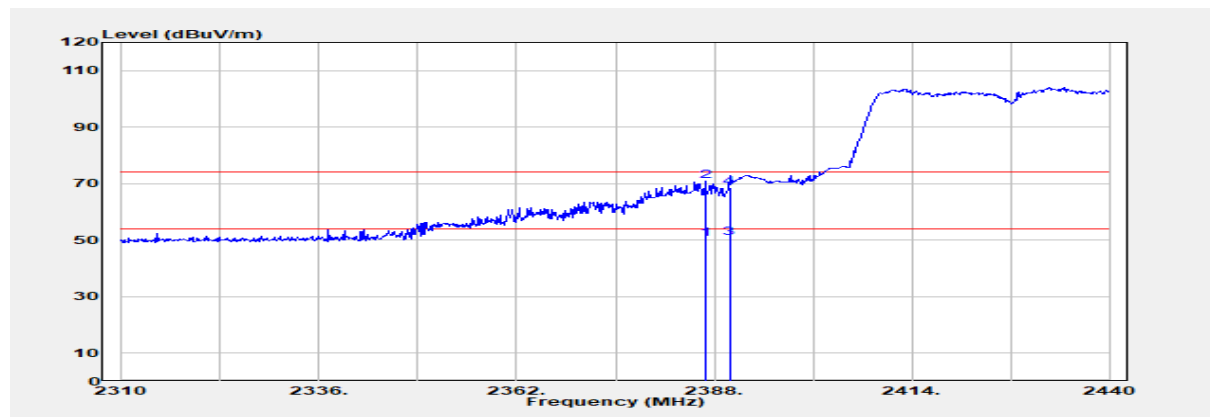
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2386.830	Average	52.54	-2.15	50.39	54.00	-3.61
2386.830	Peak	73.04	-2.15	70.89	74.00	-3.11
2390.000	Average	52.92	-2.15	50.77	54.00	-3.23
2390.000	Peak	70.88	-2.15	68.73	74.00	-5.27

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-31

Test Frequency :2432 MHz

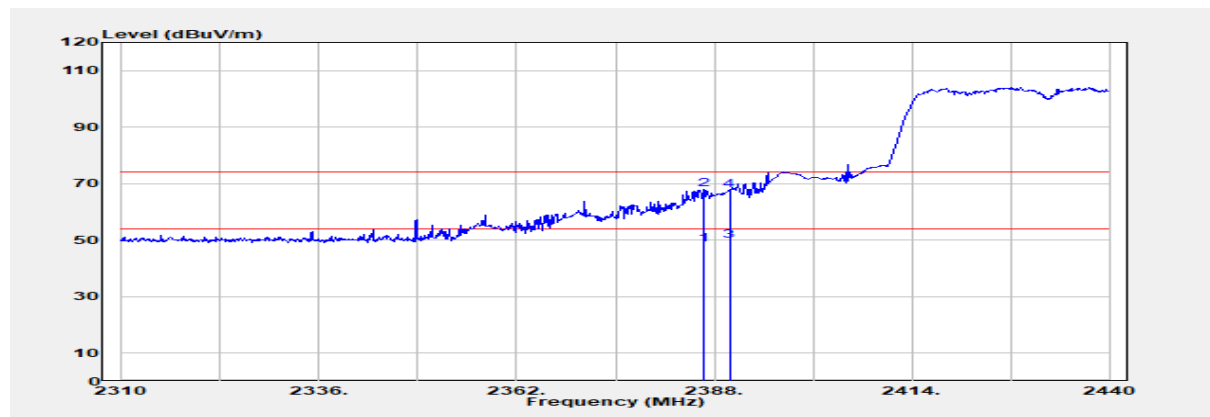
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2386.700	Average	50.45	-2.15	48.30	54.00	-5.70
2386.700	Peak	70.18	-2.15	68.03	74.00	-5.97
2390.000	Average	51.88	-2.15	49.73	54.00	-4.27
2390.000	Peak	69.66	-2.15	67.51	74.00	-6.49

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-31

Test Frequency :2432 MHz

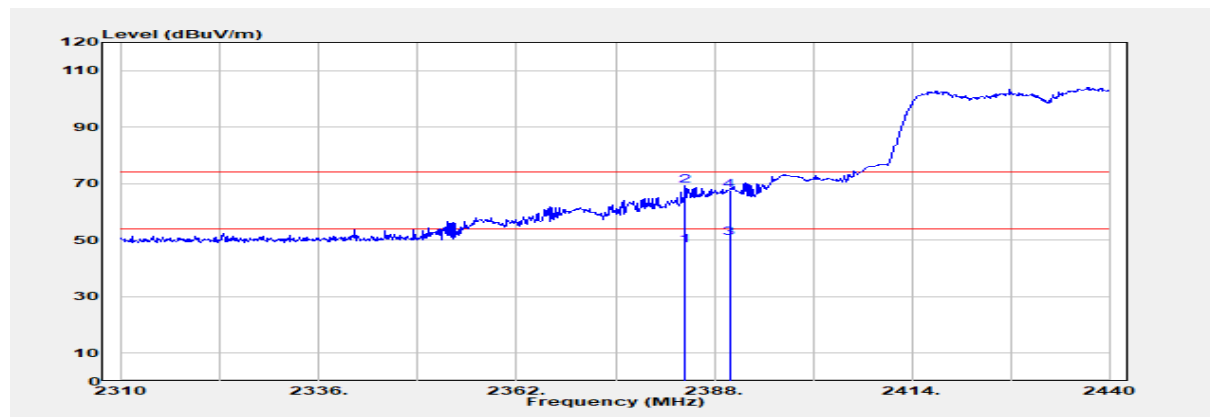
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2384.230	Average	50.14	-2.14	48.00	54.00	-6.00
2384.230	Peak	71.41	-2.14	69.27	74.00	-4.73
2390.000	Average	52.84	-2.15	50.69	54.00	-3.31
2390.000	Peak	69.84	-2.15	67.69	74.00	-6.31

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-31

Test Frequency :2437 MHz

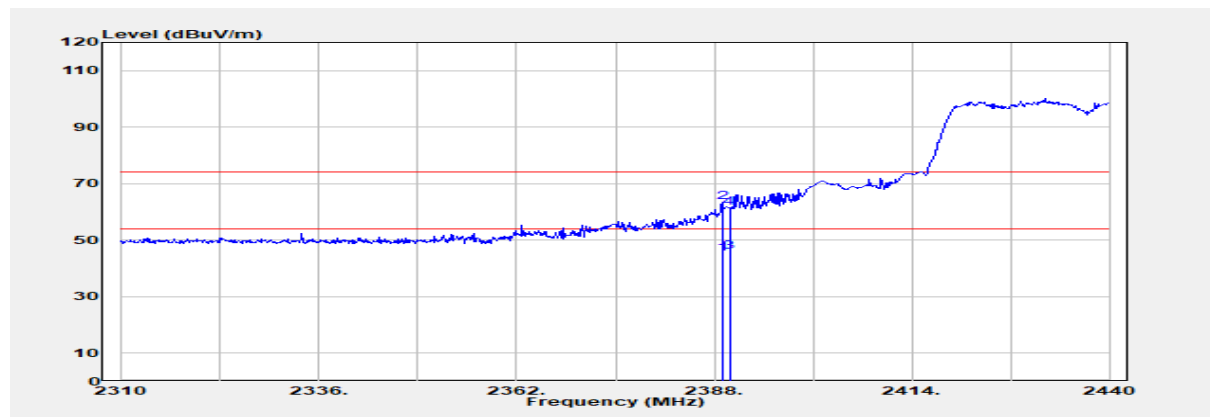
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.040	Average	47.40	-2.15	45.25	54.00	-8.75
2389.040	Peak	65.70	-2.15	63.55	74.00	-10.45
2390.000	Average	48.01	-2.15	45.85	54.00	-8.15
2390.000	Peak	63.73	-2.15	61.58	74.00	-12.42

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-31

Test Frequency :2437 MHz

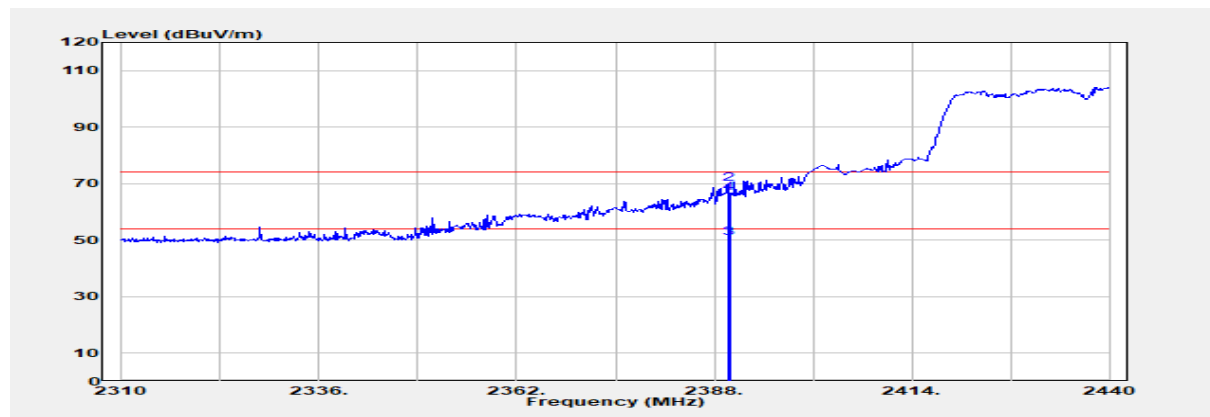
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.820	Average	52.73	-2.15	50.58	54.00	-3.42
2389.820	Peak	72.08	-2.15	69.93	74.00	-4.07
2390.000	Average	52.74	-2.15	50.58	54.00	-3.42
2390.000	Peak	68.79	-2.15	66.64	74.00	-7.36

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-31

Test Frequency :2442 MHz

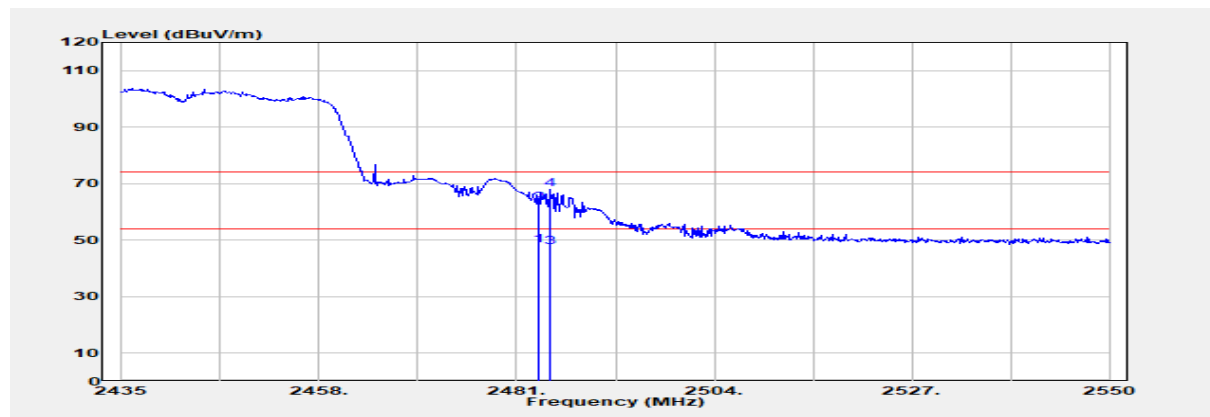
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	50.11	-2.06	48.05	54.00	-5.95
2483.500	Peak	65.14	-2.06	63.08	74.00	-10.92
2484.910	Average	49.58	-2.06	47.52	54.00	-6.48
2484.910	Peak	70.03	-2.06	67.97	74.00	-6.03

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-31

Test Frequency :2442 MHz

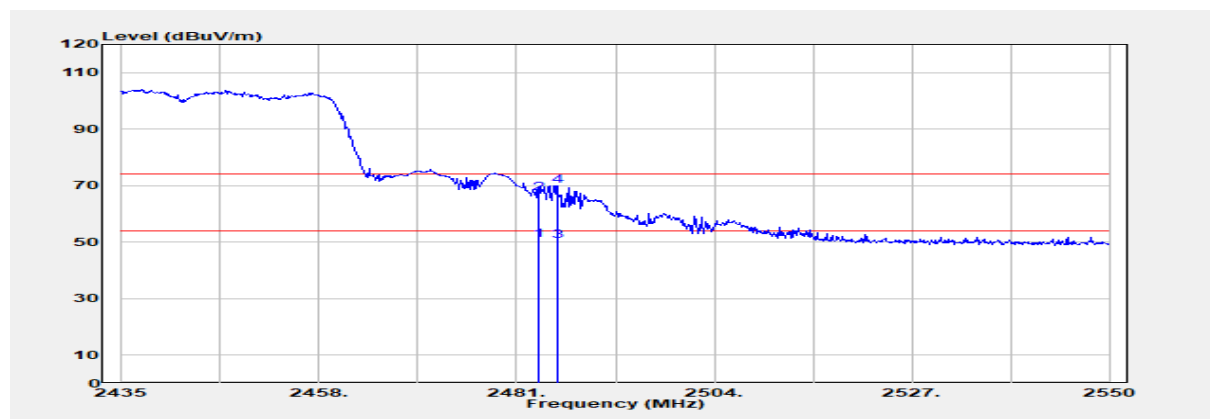
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	52.78	-2.06	50.72	54.00	-3.28
2483.500	Peak	69.35	-2.06	67.30	74.00	-6.70
2485.715	Average	52.54	-2.06	50.48	54.00	-3.52
2485.715	Peak	72.07	-2.06	70.01	74.00	-3.99

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-31

Test Frequency :2447 MHz

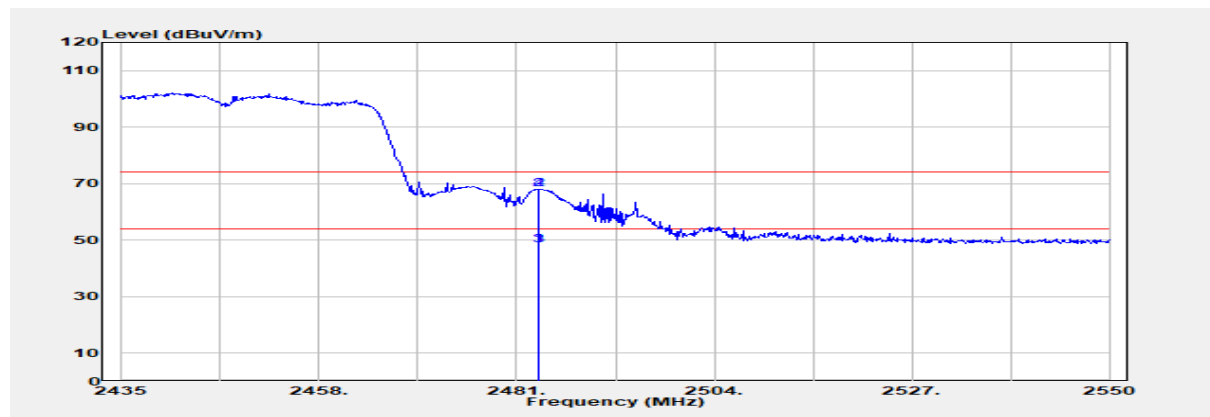
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	50.05	-2.06	47.99	54.00	-6.01
2483.500	Peak	70.11	-2.06	68.05	74.00	-5.95
2483.645	Average	50.12	-2.06	48.06	54.00	-5.94
2483.645	Peak	70.12	-2.06	68.06	74.00	-5.94

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-31

Test Frequency :2447 MHz

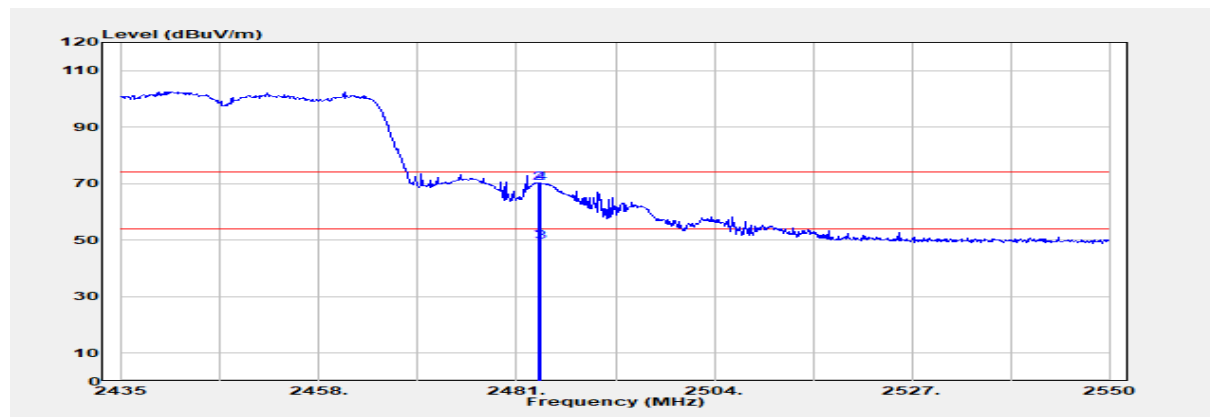
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	52.00	-2.06	49.94	54.00	-4.06
2483.500	Peak	72.28	-2.06	70.22	74.00	-3.78
2483.760	Average	51.64	-2.06	49.59	54.00	-4.41
2483.760	Peak	72.33	-2.06	70.27	74.00	-3.73

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-31

Test Frequency :2452 MHz

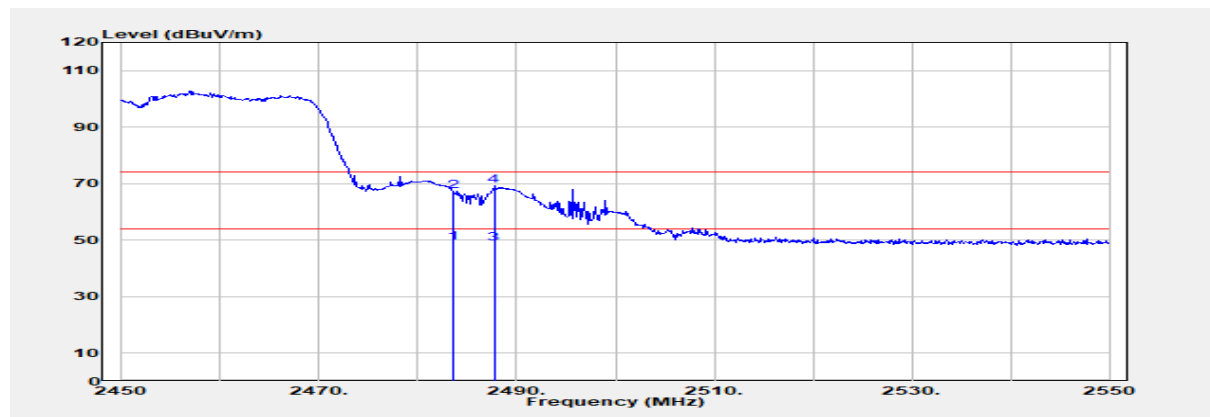
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	51.11	-2.06	49.06	54.00	-4.94
2483.500	Peak	69.52	-2.06	67.47	74.00	-6.53
2487.700	Average	50.86	-2.06	48.80	54.00	-5.20
2487.700	Peak	71.17	-2.06	69.11	74.00	-4.89

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-31

Test Frequency :2452 MHz

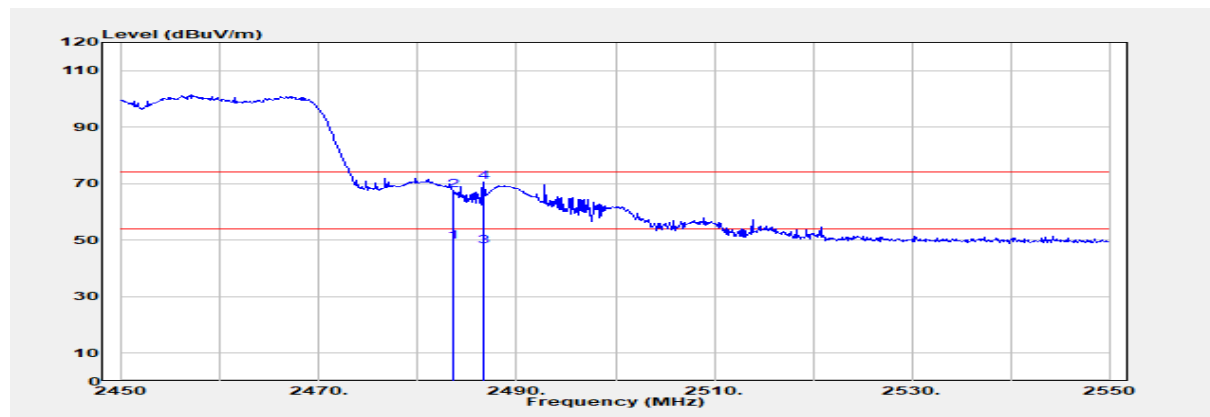
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	51.42	-2.06	49.36	54.00	-4.64
2483.500	Peak	69.64	-2.06	67.58	74.00	-6.42
2486.700	Average	49.72	-2.06	47.66	54.00	-6.34
2486.700	Peak	72.50	-2.06	70.45	74.00	-3.55

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2422 MHz

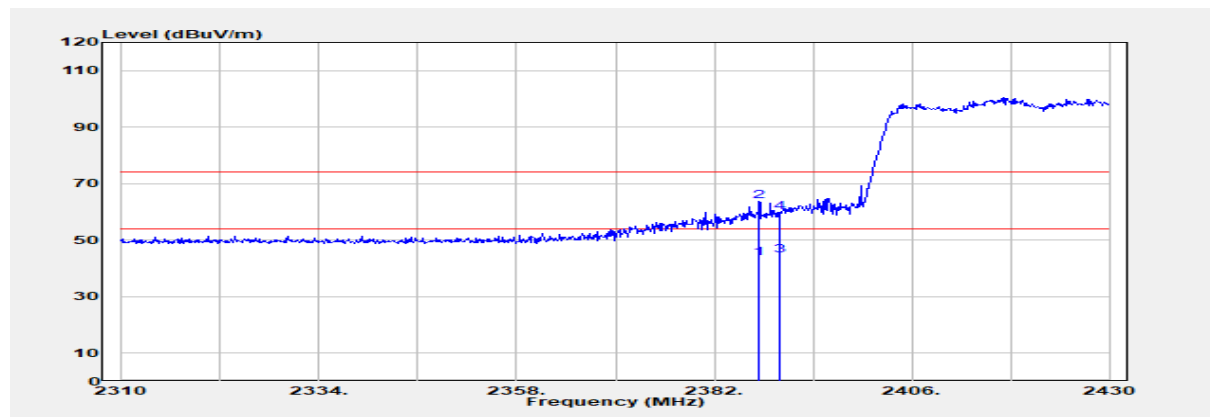
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2387.520	Average	45.89	-2.15	43.74	54.00	-10.26
2387.520	Peak	65.92	-2.15	63.77	74.00	-10.23
2390.000	Average	46.76	-2.15	44.61	54.00	-9.39
2390.000	Peak	62.11	-2.15	59.96	74.00	-14.04

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2422 MHz

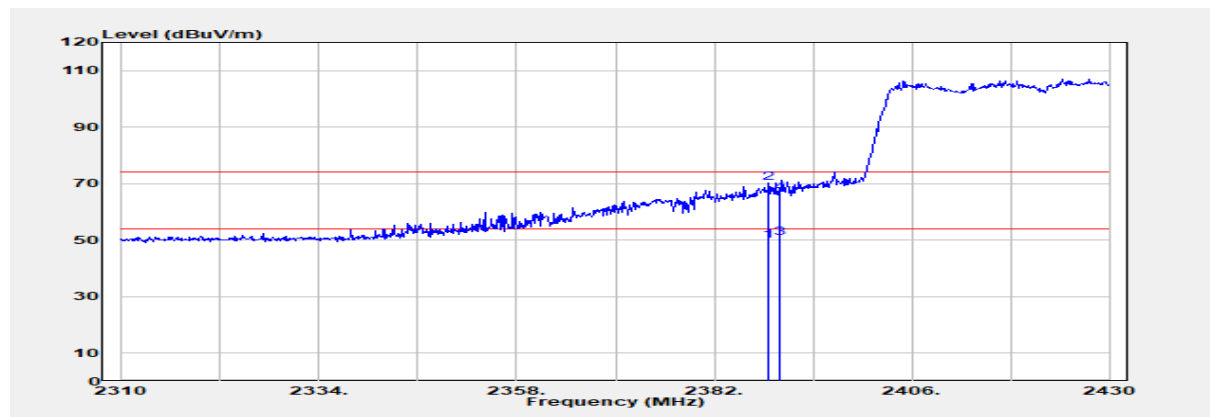
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.600	Average	51.90	-2.15	49.75	54.00	-4.25
2388.600	Peak	72.48	-2.15	70.33	74.00	-3.67
2390.000	Average	52.97	-2.15	50.82	54.00	-3.18
2390.000	Peak	68.80	-2.15	66.65	74.00	-7.35

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Member of SGS Group

Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2422 MHz

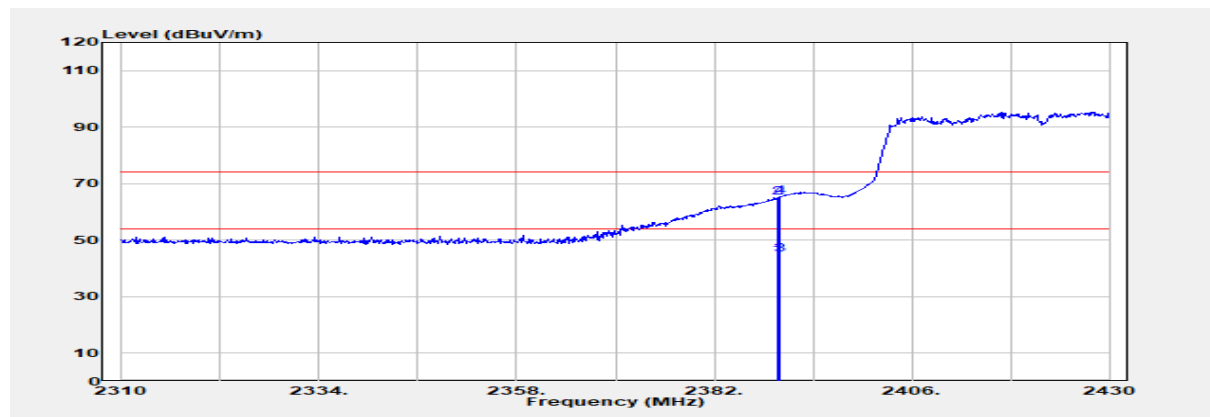
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.800	Average	46.82	-2.15	44.67	54.00	-9.33
2389.800	Peak	67.33	-2.15	65.17	74.00	-8.83
2390.000	Average	46.96	-2.15	44.81	54.00	-9.19
2390.000	Peak	67.46	-2.15	65.31	74.00	-8.69

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2422 MHz

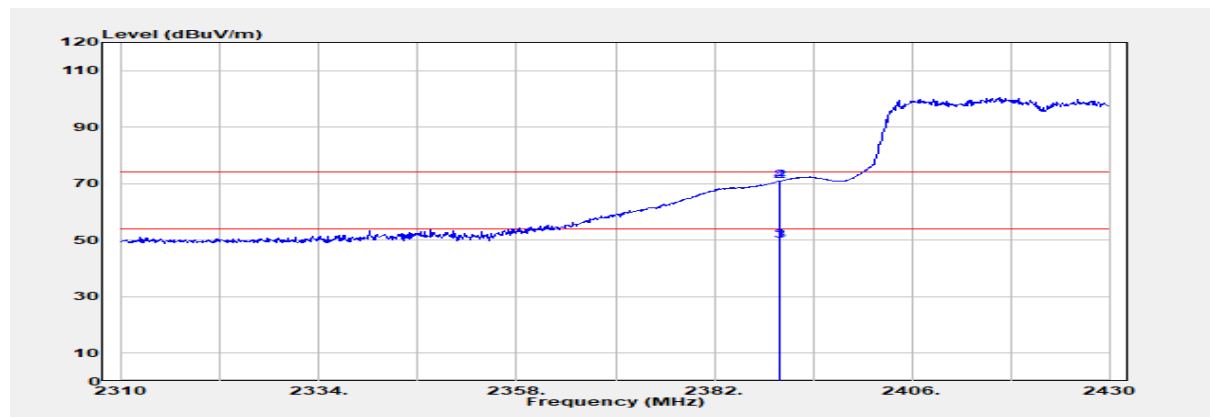
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.920	Average	51.80	-2.15	49.65	54.00	-4.35
2389.920	Peak	72.98	-2.15	70.83	74.00	-3.17
2390.000	Average	51.91	-2.15	49.75	54.00	-4.25
2390.000	Peak	73.14	-2.15	70.98	74.00	-3.02

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2422 MHz

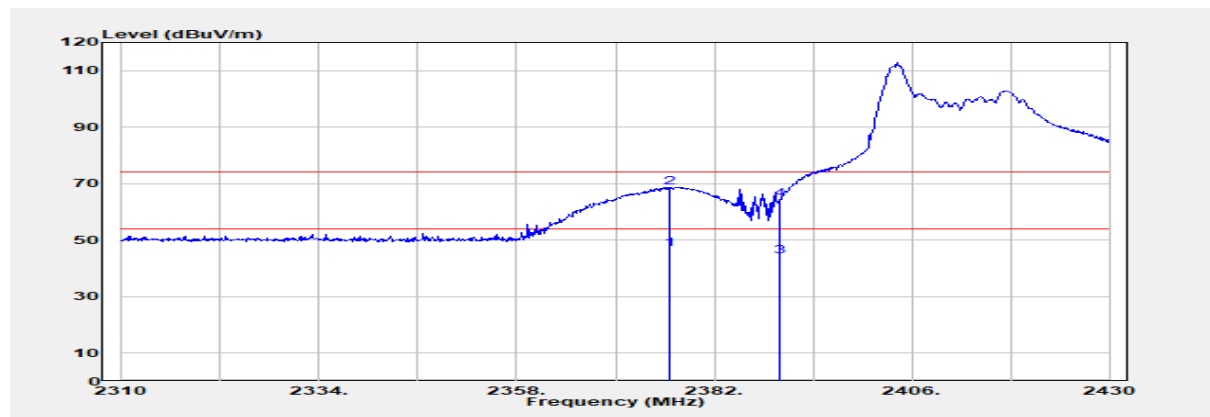
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU 26/0

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2376.480	Average	49.12	-2.13	46.99	54.00	-7.01
2376.480	Peak	70.89	-2.13	68.77	74.00	-5.23
2390.000	Average	46.34	-2.15	44.19	54.00	-9.81
2390.000	Peak	66.48	-2.15	64.33	74.00	-9.67

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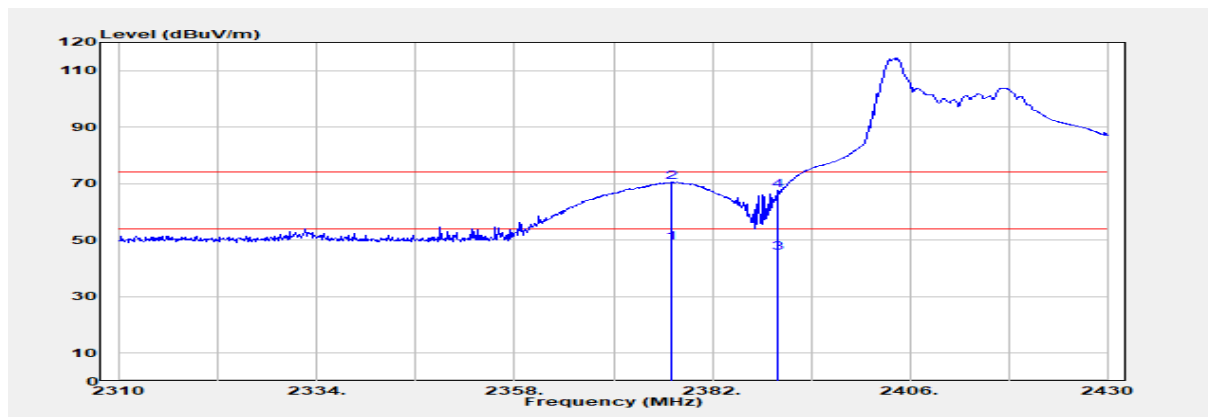
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU 26/0
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-31
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2376.960	Average	51.15	-2.13	49.02	54.00	-4.98
2376.960	Peak	72.59	-2.13	70.46	74.00	-3.54
2390.000	Average	47.83	-2.15	45.68	54.00	-8.32
2390.000	Peak	69.68	-2.15	67.53	74.00	-6.47

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2422 MHz

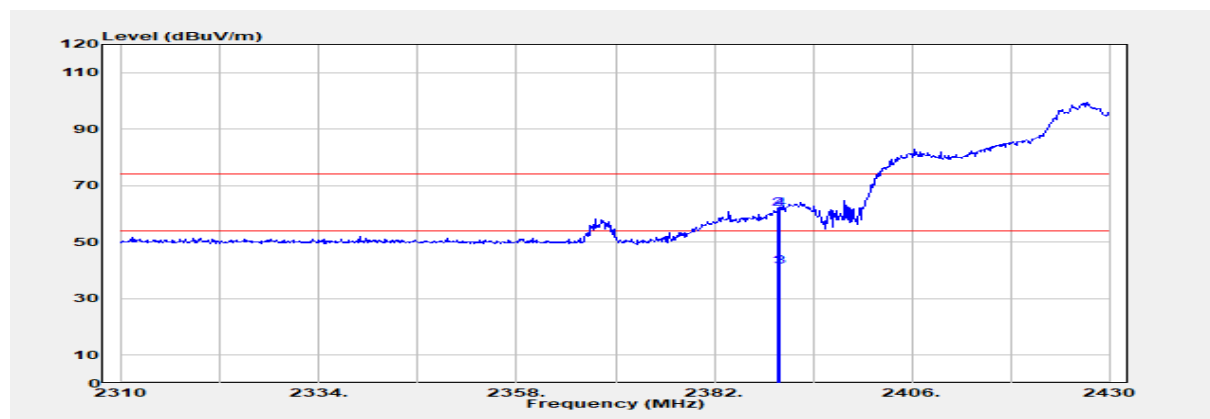
Temp./Humi. :23.1°C/53%

Test Mode :Bandedge RU 26/17

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



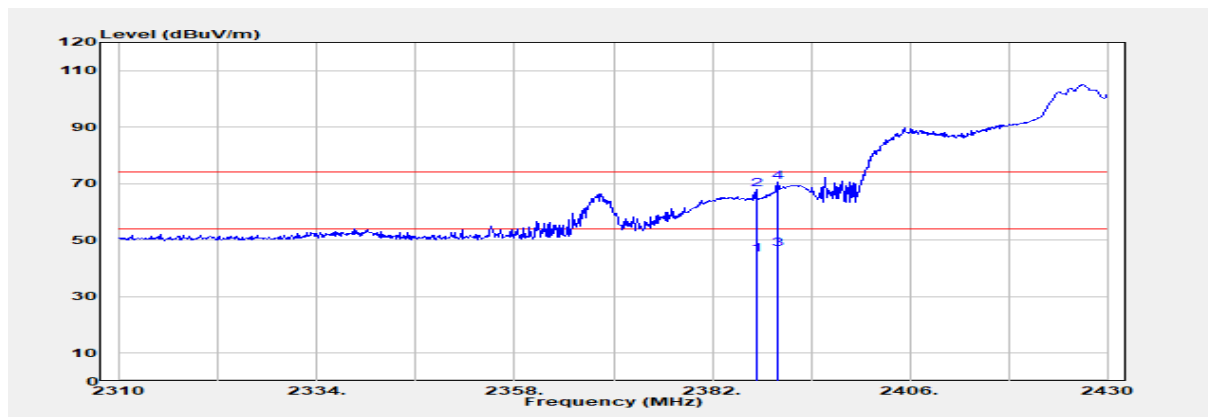
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.800	Average	43.40	-2.15	41.25	54.00	-12.75
2389.800	Peak	63.92	-2.15	61.77	74.00	-12.23
2390.000	Average	43.42	-2.15	41.27	54.00	-12.73
2390.000	Peak	63.83	-2.15	61.68	74.00	-12.32

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU 26/17
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :23.1°C/53%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2387.400	Average	46.87	-2.15	44.72	54.00	-9.28
2387.400	Peak	70.02	-2.15	67.87	74.00	-6.13
2390.000	Average	49.00	-2.15	46.85	54.00	-7.15
2390.000	Peak	72.81	-2.15	70.66	74.00	-3.34

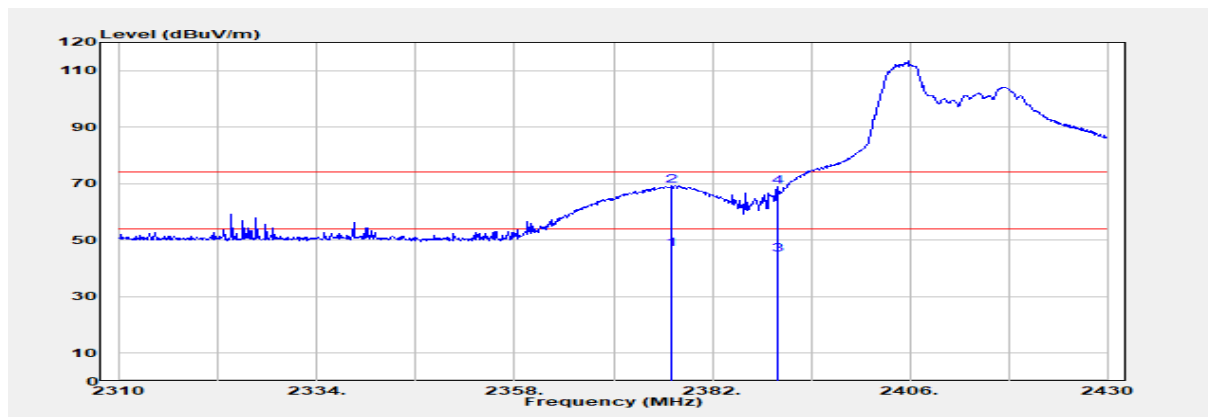
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Report Number :TERF2307001775E2
Operation Mode :802.11ax40
Test Frequency :2422 MHz
Test Mode :Bandedge RU 52/37
EUT Pol :E2 Plane

Test Site :SAC C
Test Date :2023-08-01
Temp./Humi. :23.1°C/53%
Antenna Pol. :Vertical
Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2377.080	Average	49.04	-2.13	46.91	54.00	-7.09
2377.080	Peak	71.31	-2.13	69.18	74.00	-4.82
2390.000	Average	47.15	-2.15	45.00	54.00	-9.00
2390.000	Peak	71.18	-2.15	69.02	74.00	-4.98

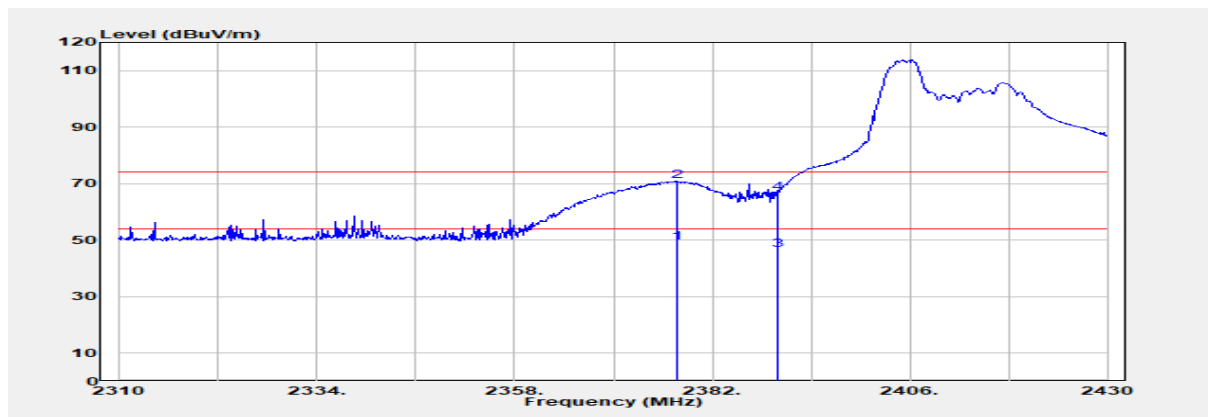
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU 52/37
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :23.1°C/53%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2377.800	Average	51.28	-2.13	49.15	54.00	-4.85
2377.800	Peak	73.01	-2.13	70.88	74.00	-3.12
2390.000	Average	48.61	-2.15	46.45	54.00	-7.55
2390.000	Peak	68.76	-2.15	66.61	74.00	-7.39

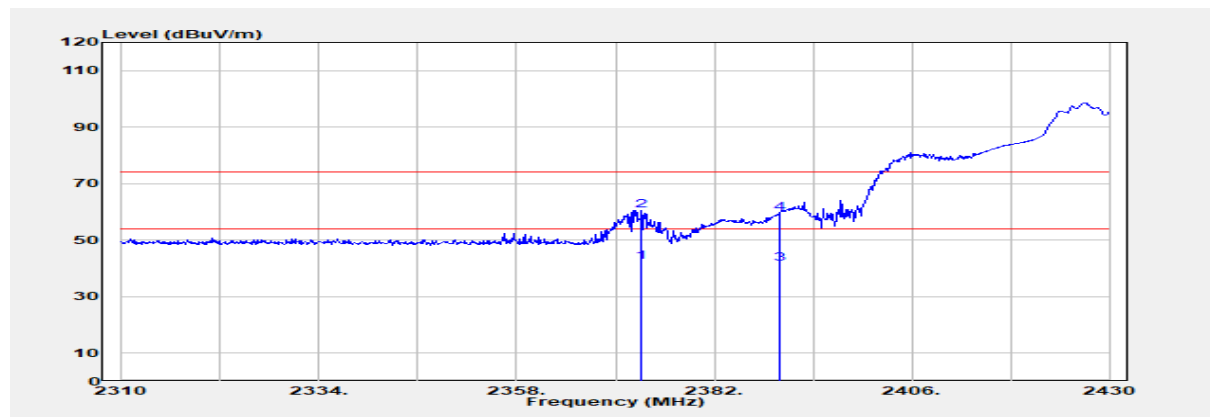
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU 52/44
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2373.120	Average	44.26	-2.12	42.14	54.00	-11.86
2373.120	Peak	62.69	-2.12	60.57	74.00	-13.43
2390.000	Average	43.88	-2.15	41.73	54.00	-12.27
2390.000	Peak	61.58	-2.15	59.42	74.00	-14.58

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t (886-2) 2299-3279

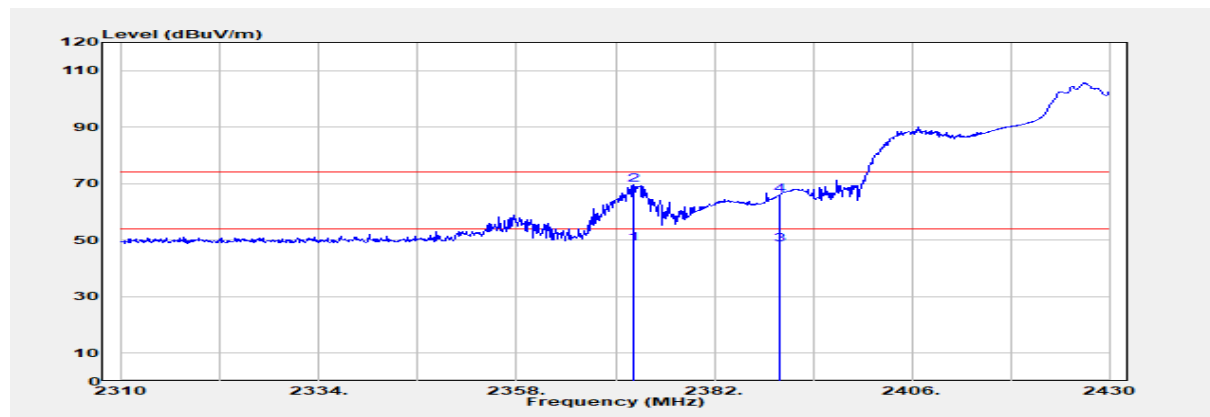
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU 52/44
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2372.280	Average	50.99	-2.12	48.86	54.00	-5.14
2372.280	Peak	71.71	-2.12	69.59	74.00	-4.41
2390.000	Average	50.61	-2.15	48.45	54.00	-5.55
2390.000	Peak	68.26	-2.15	66.11	74.00	-7.89

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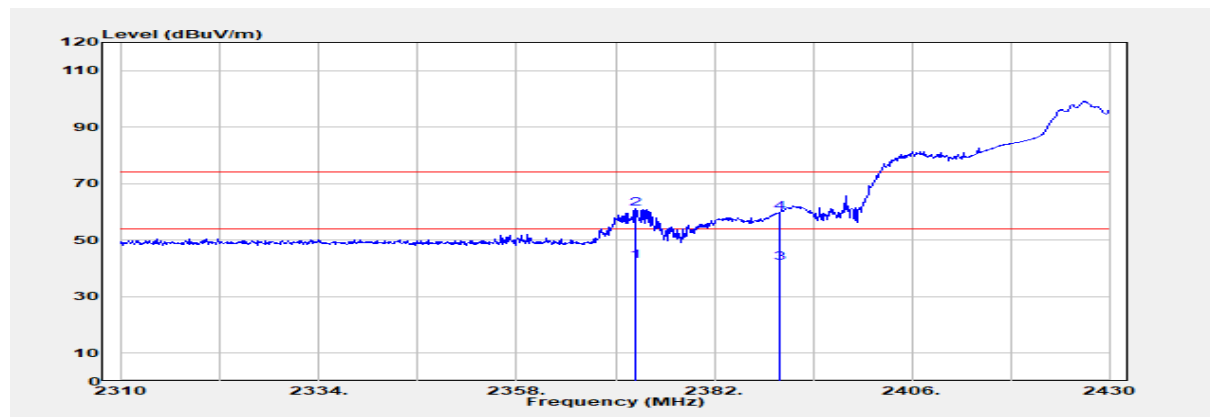
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Member of SGS Group

Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU 106/53
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2372.400	Average	44.59	-2.12	42.47	54.00	-11.53
2372.400	Peak	63.19	-2.12	61.07	74.00	-12.93
2390.000	Average	44.18	-2.15	42.03	54.00	-11.97
2390.000	Peak	62.00	-2.15	59.84	74.00	-14.16

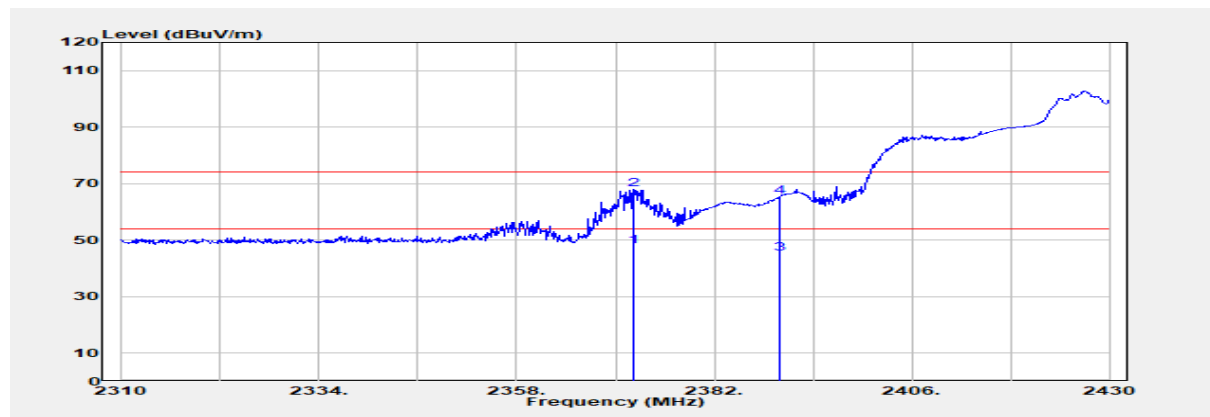
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU 106/53
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2372.280	Average	49.83	-2.12	47.71	54.00	-6.29
2372.280	Peak	70.15	-2.12	68.03	74.00	-5.97
2390.000	Average	47.44	-2.15	45.29	54.00	-8.71
2390.000	Peak	67.53	-2.15	65.38	74.00	-8.62

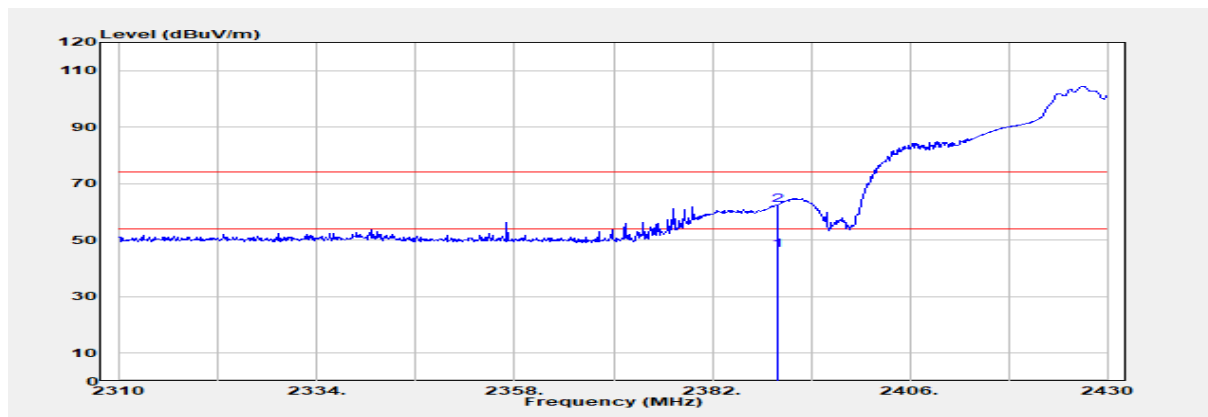
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Report Number :TERF2307001775E2
Operation Mode :802.11ax40
Test Frequency :2422 MHz
Test Mode :Bandedge RU 106/56
EUT Pol :E2 Plane

Test Site :SAC C
Test Date :2023-08-01
Temp./Humi. :25.4°C/54%
Antenna Pol. :Vertical
Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.000	Average	48.64	-2.15	46.49	54.00	-7.51
2390.000	Peak	64.47	-2.15	62.32	74.00	-11.68

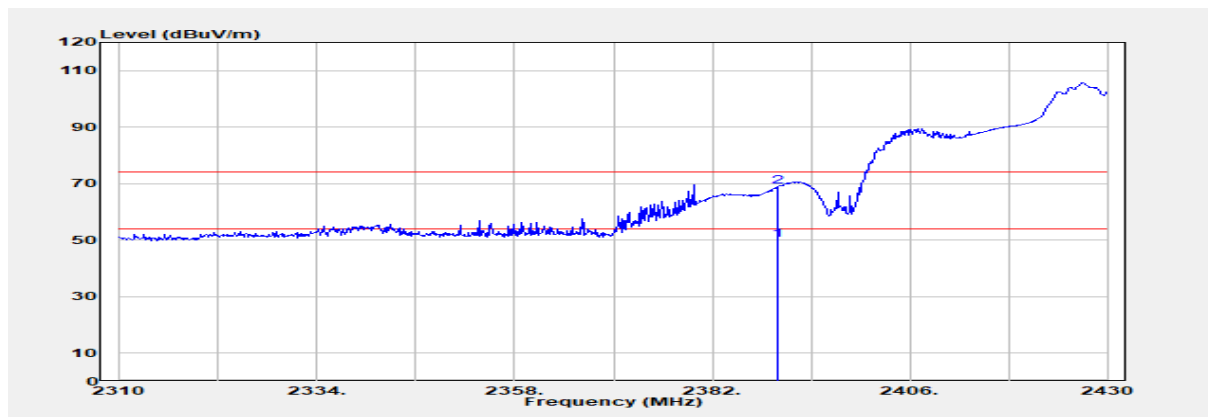
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU 106/56
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



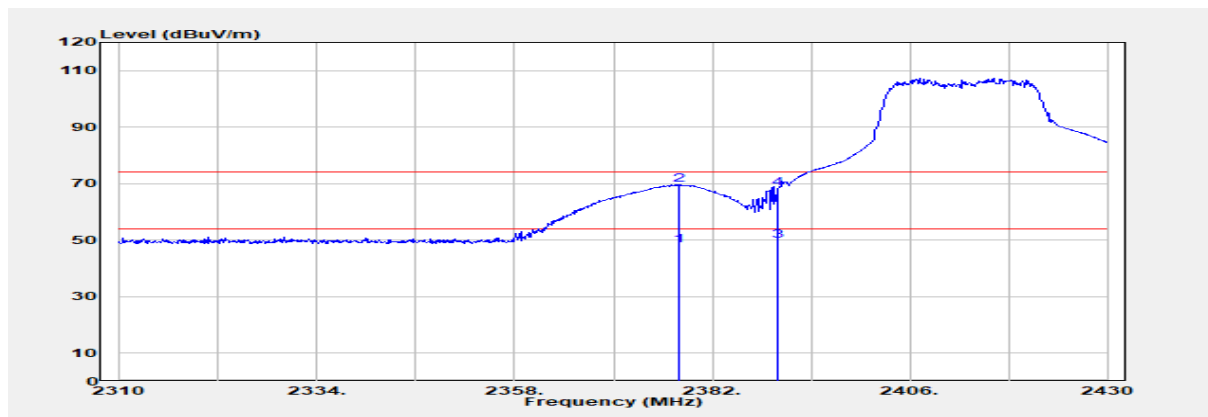
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.000	Average	52.18	-2.15	50.03	54.00	-3.97
2390.000	Peak	71.07	-2.15	68.92	74.00	-5.08

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU 242/61
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2377.920	Average	50.38	-2.13	48.25	54.00	-5.75
2377.920	Peak	71.83	-2.13	69.70	74.00	-4.30
2390.000	Average	51.82	-2.15	49.67	54.00	-4.33
2390.000	Peak	70.34	-2.15	68.19	74.00	-5.81

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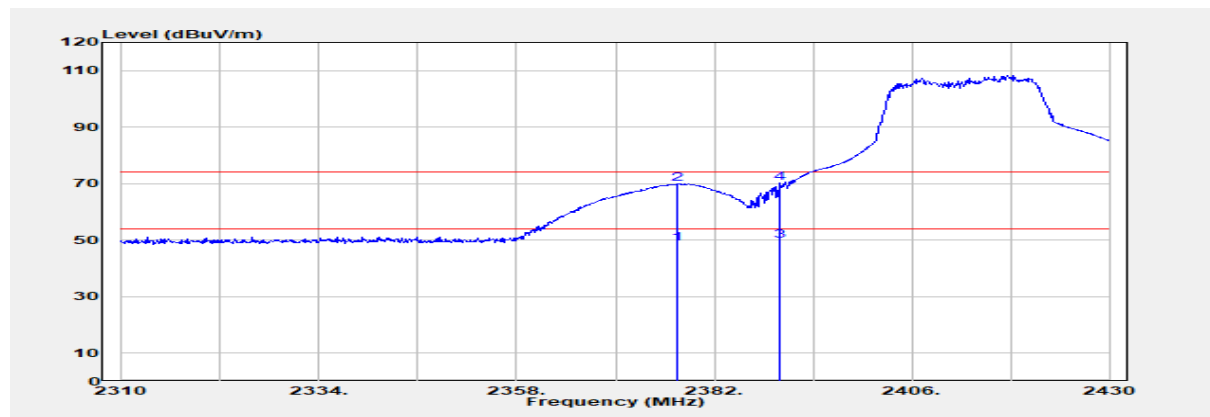
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU 242/61
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



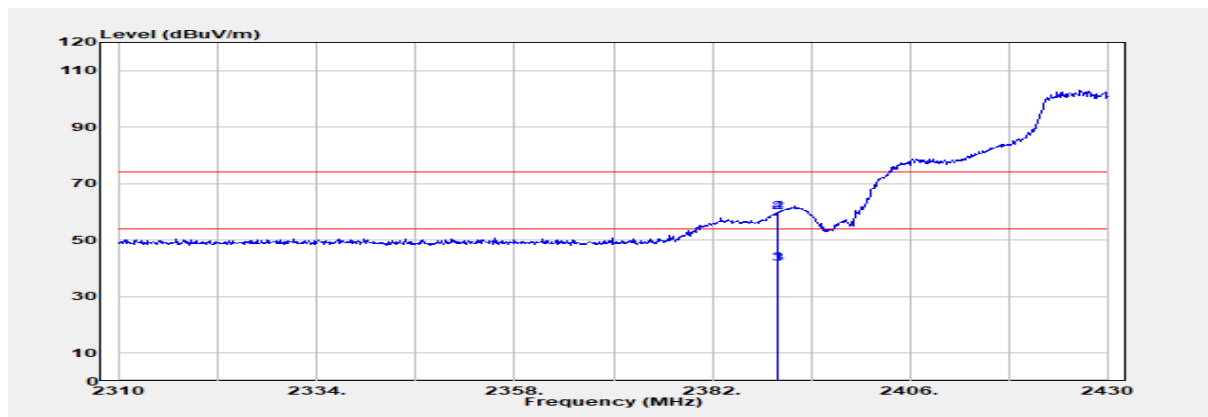
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2377.440	Average	50.97	-2.13	48.85	54.00	-5.15
2377.440	Peak	72.11	-2.13	69.98	74.00	-4.02
2390.000	Average	51.93	-2.15	49.78	54.00	-4.22
2390.000	Peak	72.40	-2.15	70.25	74.00	-3.75

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Report Number :TERF2307001775E2
Operation Mode :802.11ax40
Test Frequency :2422 MHz
Test Mode :Bandedge RU 242/62
EUT Pol :E2 Plane

Test Site :SAC C
Test Date :2023-08-01
Temp./Humi. :25.4°C/54%
Antenna Pol. :Vertical
Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.920	Average	43.67	-2.15	41.51	54.00	-12.49
2389.920	Peak	61.94	-2.15	59.78	74.00	-14.22
2390.000	Average	43.83	-2.15	41.67	54.00	-12.33
2390.000	Peak	62.00	-2.15	59.85	74.00	-14.15

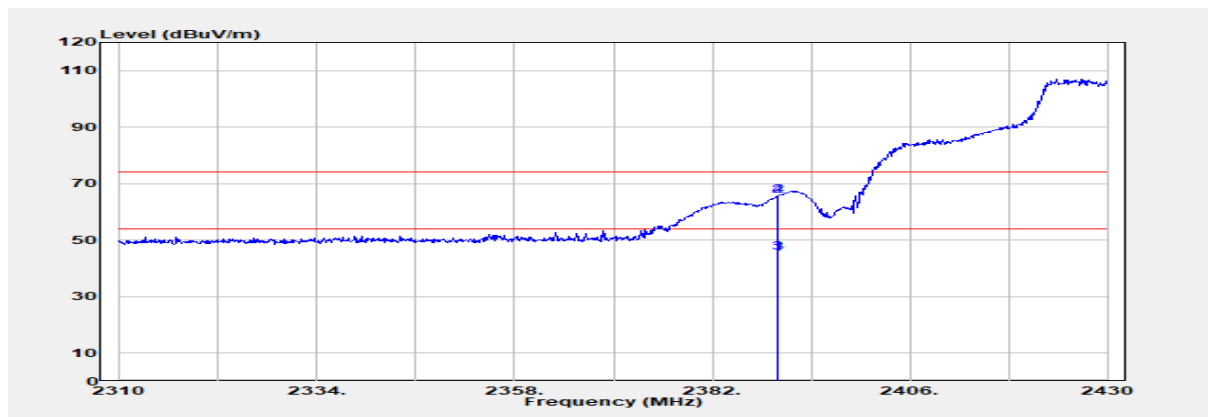
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Report Number :TERF2307001775E2
Operation Mode :802.11ax40
Test Frequency :2422 MHz
Test Mode :Bandedge RU 242/62
EUT Pol :E2 Plane

Test Site :SAC C
Test Date :2023-08-01
Temp./Humi. :25.4°C/54%
Antenna Pol. :Horizontal
Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.920	Average	47.51	-2.15	45.36	54.00	-8.64
2389.920	Peak	67.77	-2.15	65.62	74.00	-8.38
2390.000	Average	47.76	-2.15	45.61	54.00	-8.39
2390.000	Peak	67.81	-2.15	65.66	74.00	-8.34

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2427 MHz

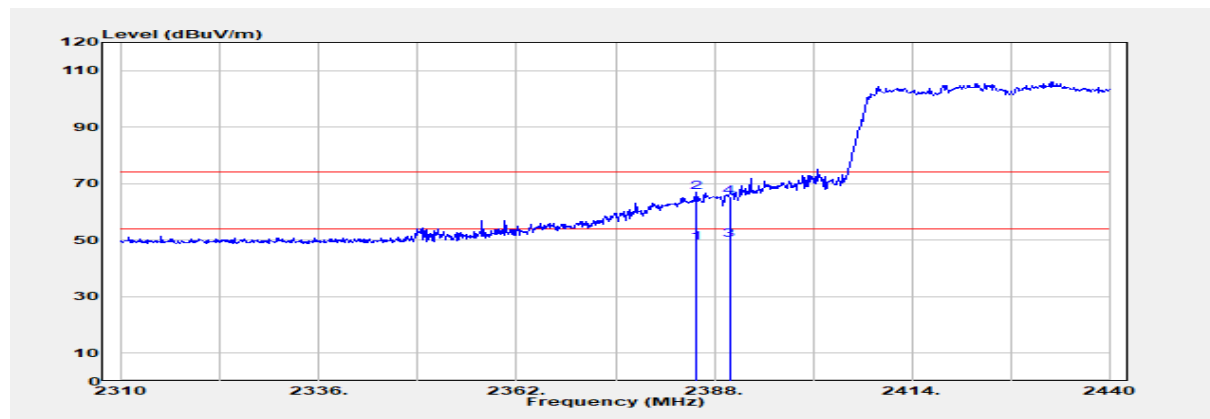
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2385.660	Average	51.11	-2.14	48.97	54.00	-5.03
2385.660	Peak	69.21	-2.14	67.07	74.00	-6.93
2390.000	Average	52.30	-2.15	50.15	54.00	-3.85
2390.000	Peak	67.48	-2.15	65.33	74.00	-8.67

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2427 MHz

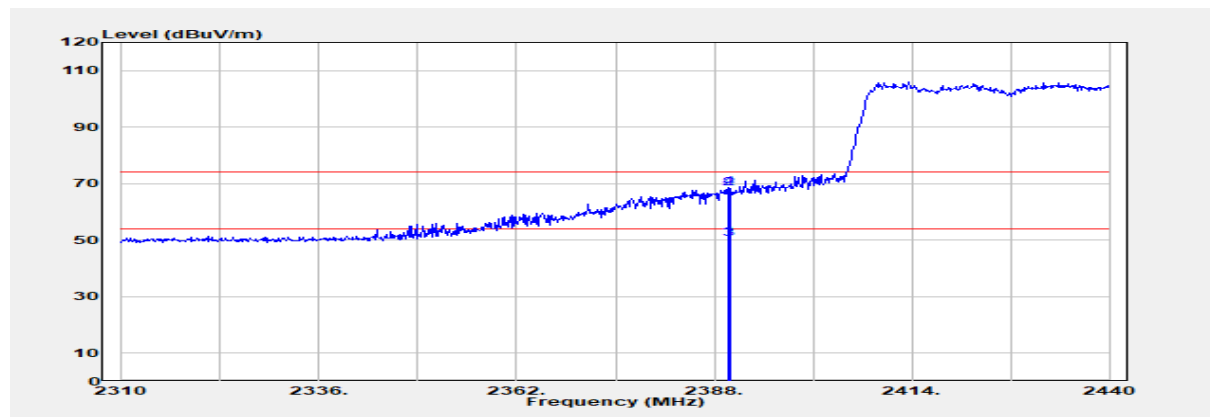
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.820	Average	52.75	-2.15	50.60	54.00	-3.40
2389.820	Peak	70.56	-2.15	68.40	74.00	-5.60
2390.000	Average	52.67	-2.15	50.52	54.00	-3.48
2390.000	Peak	70.64	-2.15	68.48	74.00	-5.52

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2427 MHz

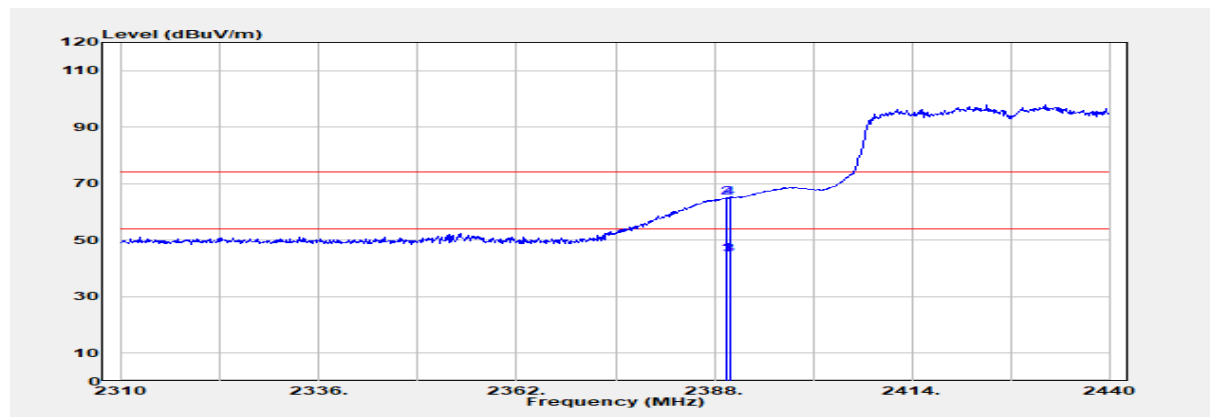
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.690	Average	46.89	-2.15	44.74	54.00	-9.26
2389.690	Peak	67.07	-2.15	64.91	74.00	-9.09
2390.000	Average	46.93	-2.15	44.78	54.00	-9.22
2390.000	Peak	67.30	-2.15	65.14	74.00	-8.86

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2427 MHz

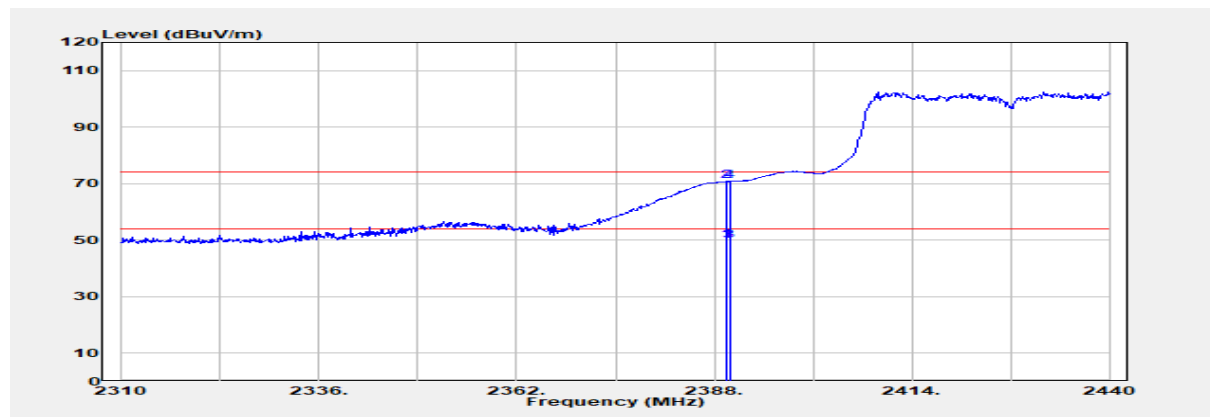
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.560	Average	51.90	-2.15	49.75	54.00	-4.25
2389.560	Peak	72.96	-2.15	70.80	74.00	-3.20
2390.000	Average	51.94	-2.15	49.79	54.00	-4.21
2390.000	Peak	73.03	-2.15	70.88	74.00	-3.12

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2432 MHz

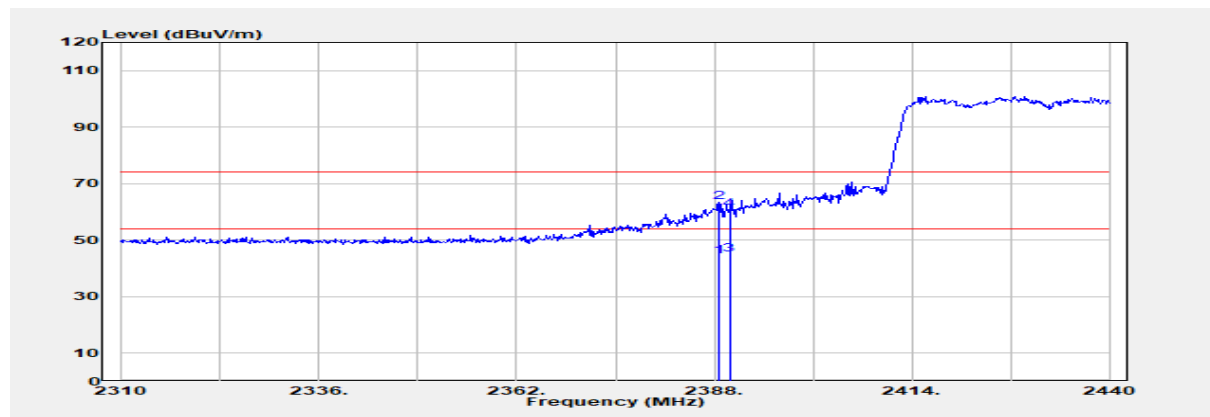
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2388.520	Average	46.36	-2.15	44.21	54.00	-9.79
2388.520	Peak	65.70	-2.15	63.55	74.00	-10.45
2390.000	Average	47.08	-2.15	44.93	54.00	-9.07
2390.000	Peak	63.08	-2.15	60.92	74.00	-13.08

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2432 MHz

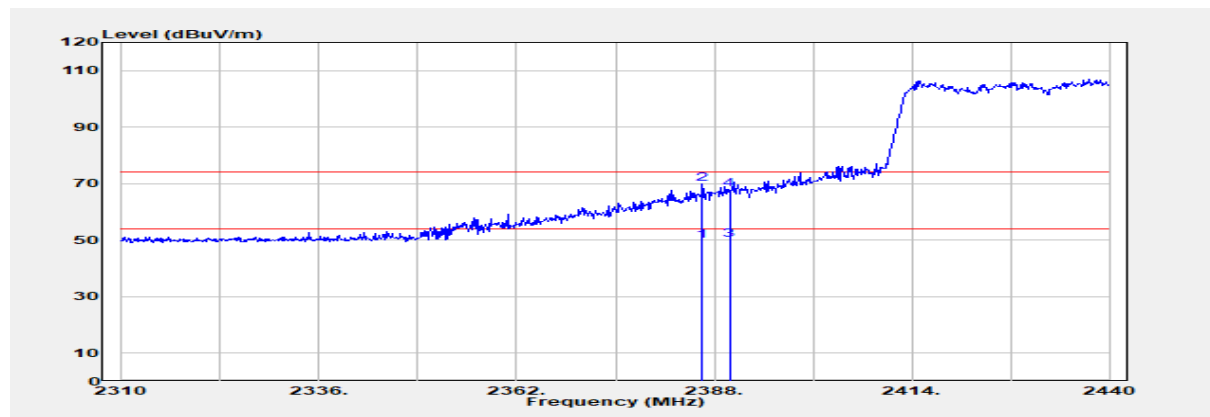
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2386.440	Average	51.95	-2.15	49.81	54.00	-4.19
2386.440	Peak	72.05	-2.15	69.91	74.00	-4.09
2390.000	Average	52.39	-2.15	50.24	54.00	-3.76
2390.000	Peak	70.10	-2.15	67.95	74.00	-6.05

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2432 MHz

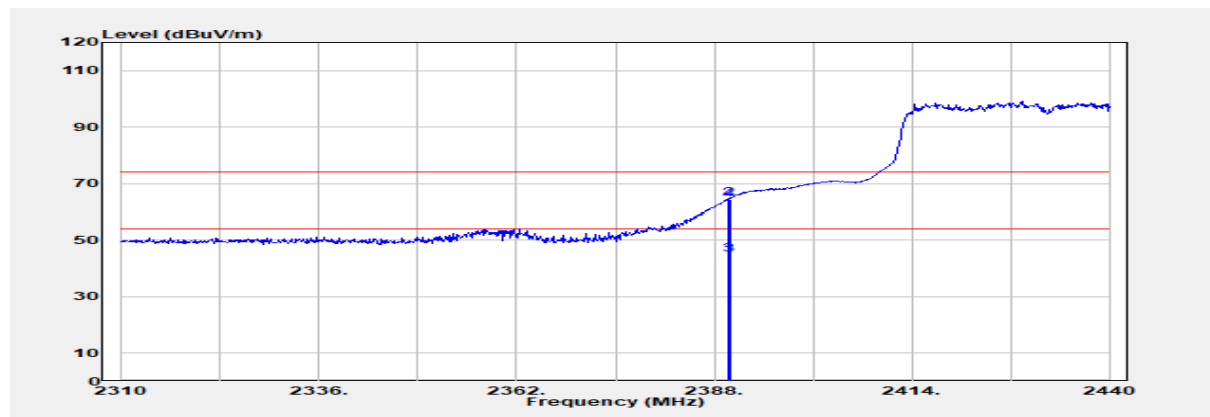
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.820	Average	46.85	-2.15	44.69	54.00	-9.31
2389.820	Peak	66.72	-2.15	64.57	74.00	-9.43
2390.000	Average	47.10	-2.15	44.95	54.00	-9.05
2390.000	Peak	66.66	-2.15	64.51	74.00	-9.49

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2432 MHz

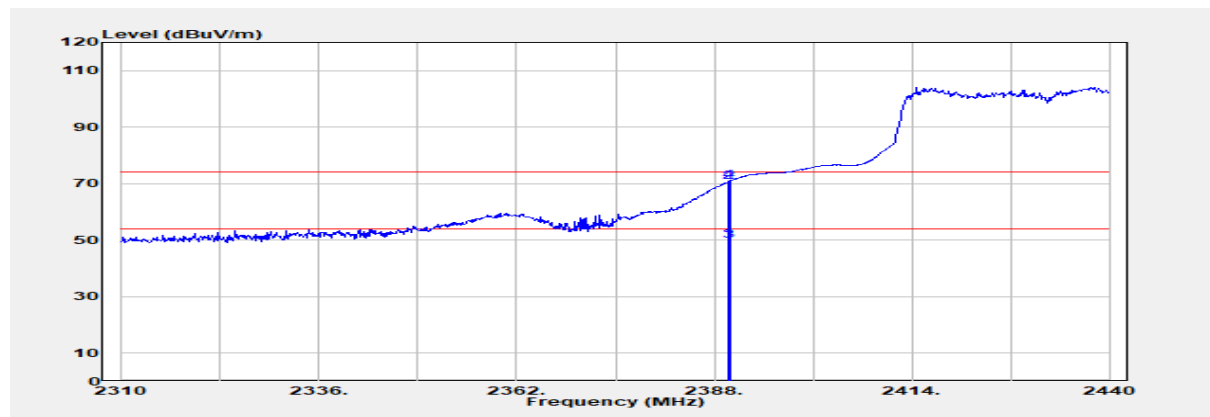
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.820	Average	51.94	-2.15	49.79	54.00	-4.21
2389.820	Peak	72.69	-2.15	70.54	74.00	-3.46
2390.000	Average	52.02	-2.15	49.87	54.00	-4.13
2390.000	Peak	72.89	-2.15	70.73	74.00	-3.27

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2437 MHz

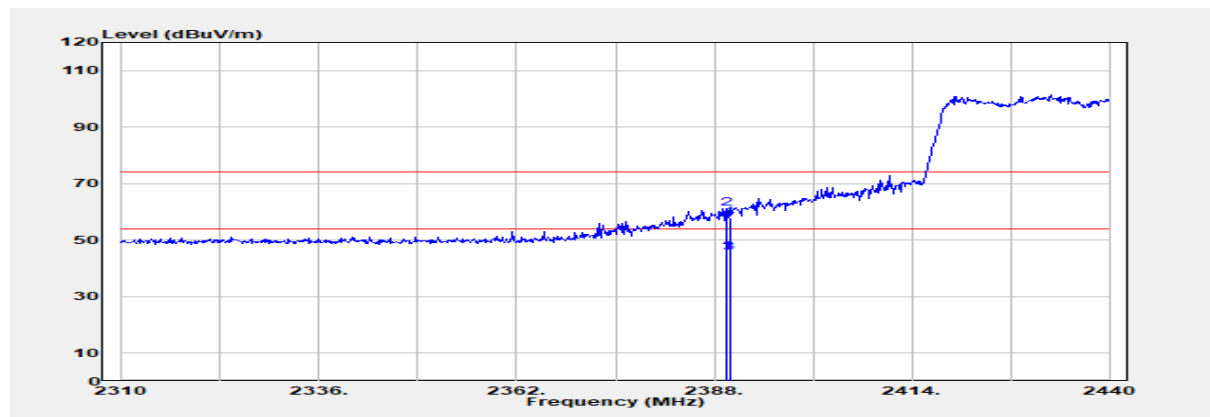
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.690	Average	47.67	-2.15	45.52	54.00	-8.48
2389.690	Peak	63.41	-2.15	61.26	74.00	-12.74
2390.000	Average	47.80	-2.15	45.64	54.00	-8.36
2390.000	Peak	60.19	-2.15	58.04	74.00	-15.96

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2437 MHz

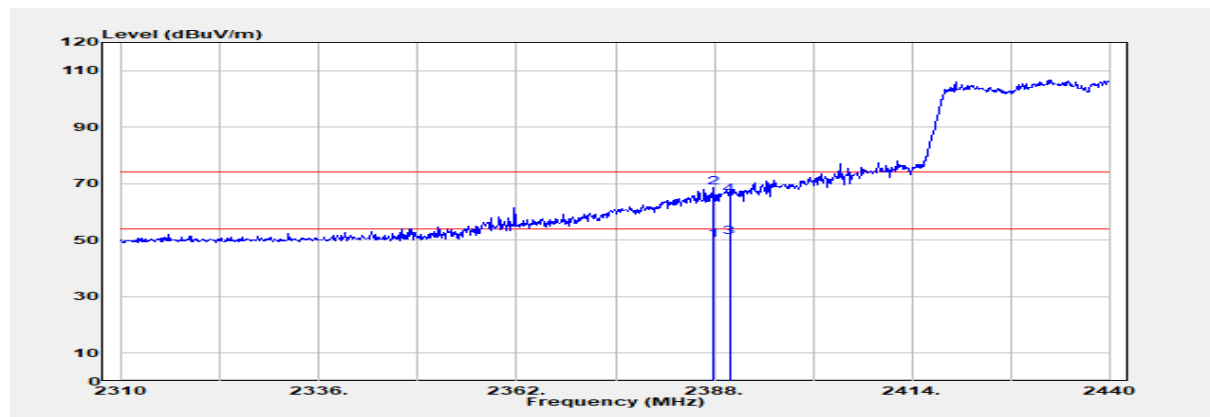
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2387.870	Average	52.18	-2.15	50.03	54.00	-3.97
2387.870	Peak	70.65	-2.15	68.51	74.00	-5.49
2390.000	Average	53.08	-2.15	50.93	54.00	-3.07
2390.000	Peak	68.32	-2.15	66.17	74.00	-7.83

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2437 MHz

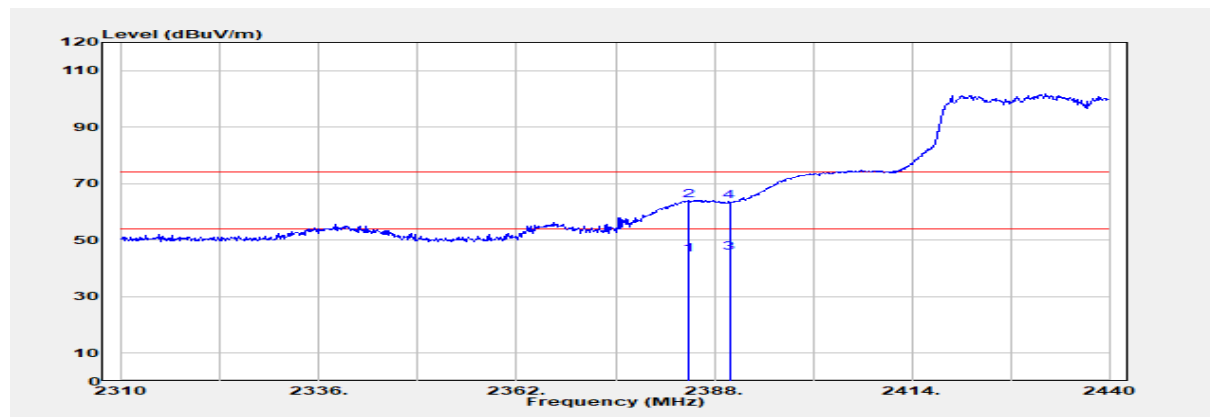
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode	Reading Level			FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2384.620	Average	47.09	-2.14	44.95	54.00	-9.05
2384.620	Peak	66.30	-2.14	64.16	74.00	-9.84
2390.000	Average	47.72	-2.15	45.57	54.00	-8.43
2390.000	Peak	65.85	-2.15	63.70	74.00	-10.30

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2437 MHz

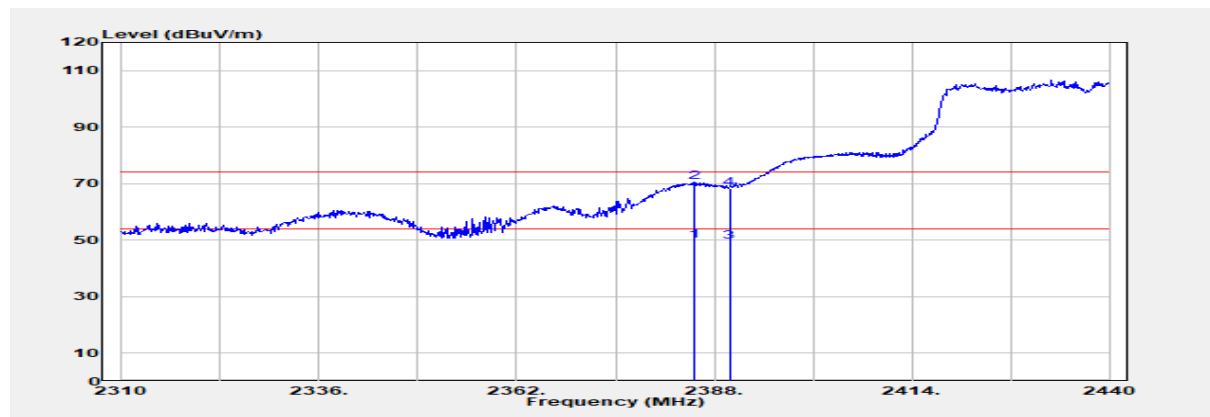
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2385.270	Average	51.86	-2.14	49.72	54.00	-4.28
2385.270	Peak	72.58	-2.14	70.44	74.00	-3.56
2390.000	Average	51.49	-2.15	49.34	54.00	-4.66
2390.000	Peak	70.47	-2.15	68.32	74.00	-5.68

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2442 MHz

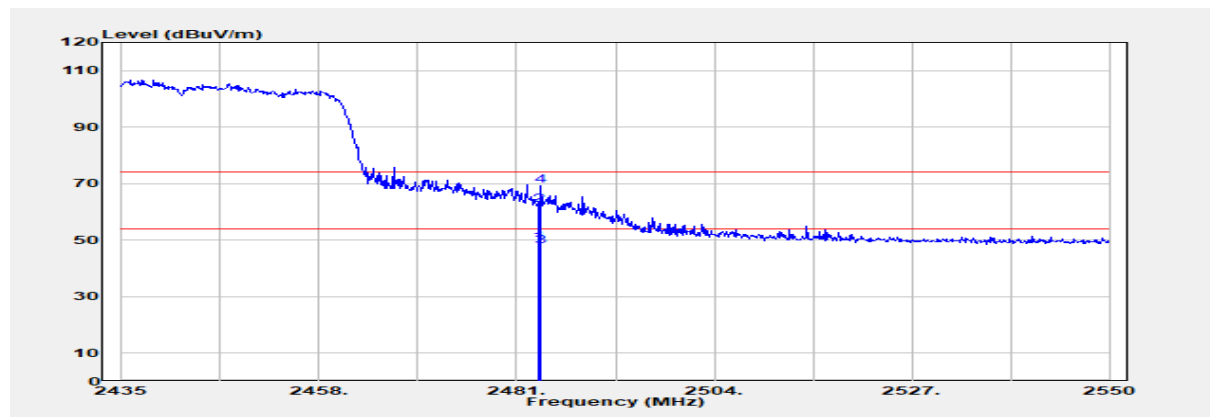
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	51.12	-2.06	49.06	54.00	-4.94
2483.500	Peak	64.36	-2.06	62.30	74.00	-11.70
2483.875	Average	49.84	-2.06	47.78	54.00	-6.22
2483.875	Peak	71.25	-2.06	69.20	74.00	-4.80

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2442 MHz

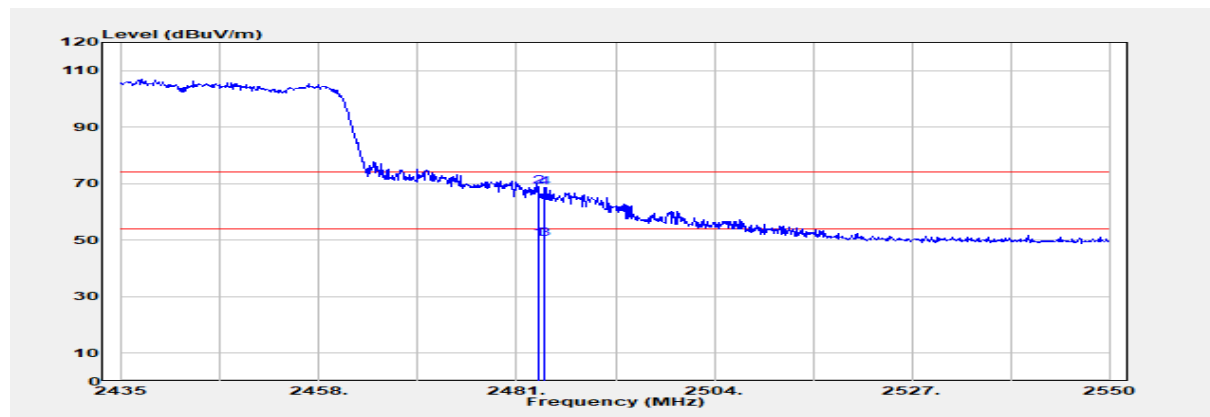
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	52.58	-2.06	50.53	54.00	-3.47
2483.500	Peak	70.86	-2.06	68.80	74.00	-5.20
2484.220	Average	52.36	-2.06	50.31	54.00	-3.69
2484.220	Peak	70.79	-2.06	68.73	74.00	-5.27

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2442 MHz

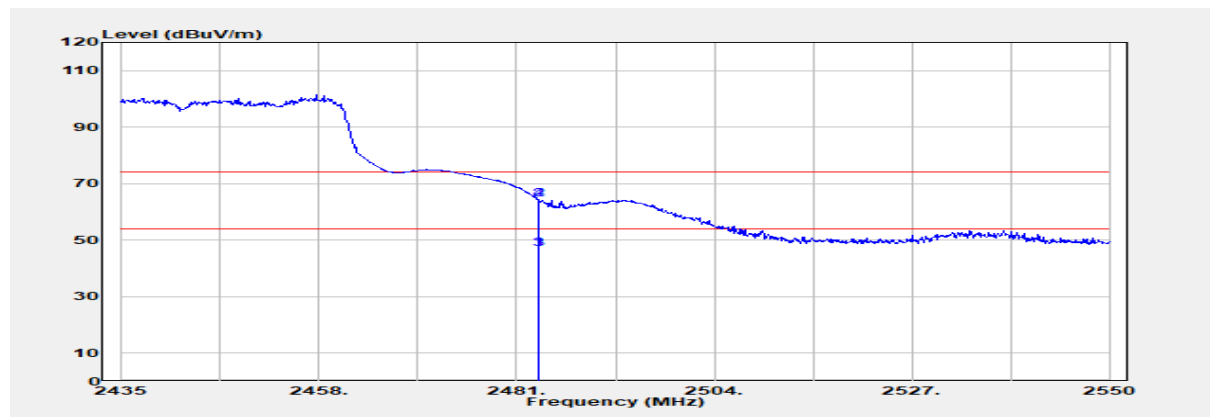
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	48.87	-2.06	46.81	54.00	-7.19
2483.500	Peak	66.34	-2.06	64.29	74.00	-9.71
2483.645	Average	48.91	-2.06	46.86	54.00	-7.14
2483.645	Peak	66.42	-2.06	64.36	74.00	-9.64

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2442 MHz

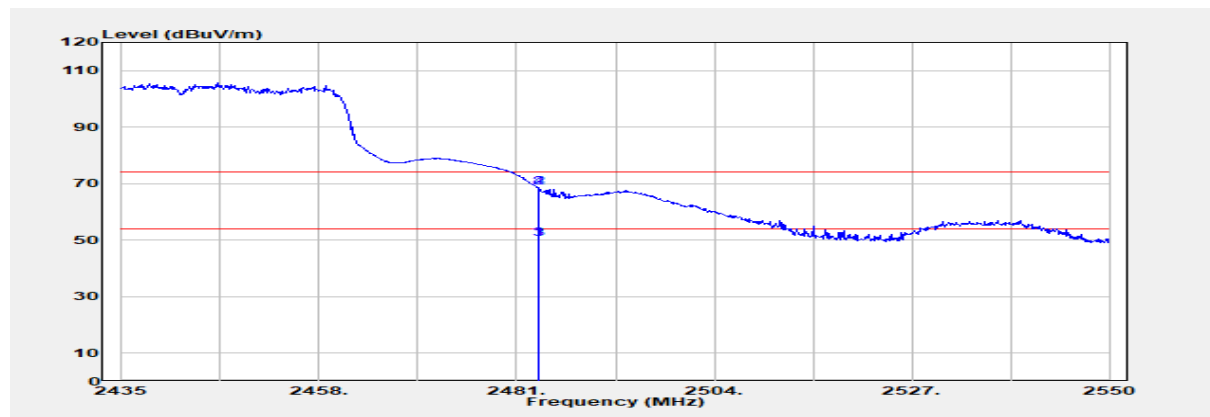
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	52.34	-2.06	50.28	54.00	-3.72
2483.500	Peak	70.52	-2.06	68.46	74.00	-5.54
2483.530	Average	52.34	-2.06	50.29	54.00	-3.71
2483.530	Peak	70.52	-2.06	68.46	74.00	-5.54

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2447 MHz

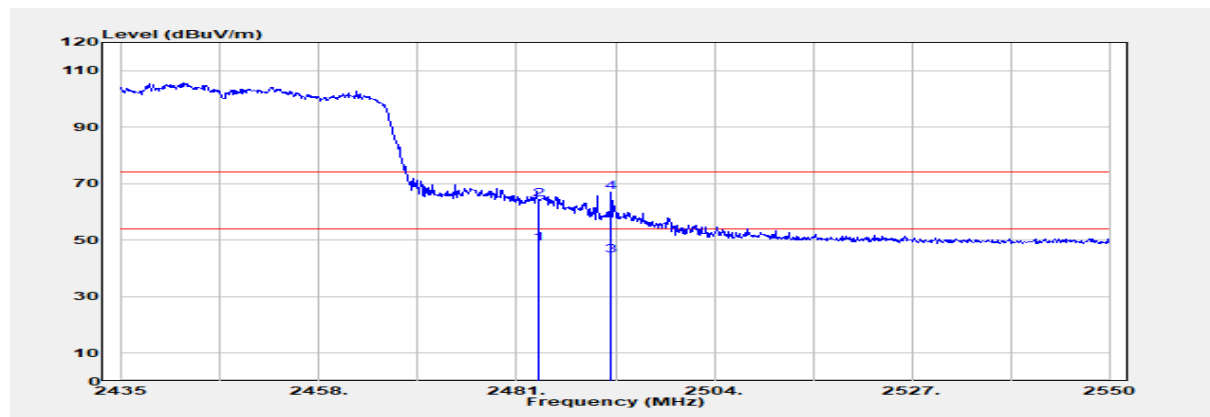
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	50.68	-2.06	48.62	54.00	-5.38
2483.500	Peak	66.42	-2.06	64.36	74.00	-9.64
2492.040	Average	46.46	-2.06	44.40	54.00	-9.60
2492.040	Peak	69.11	-2.06	67.05	74.00	-6.95

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2447 MHz

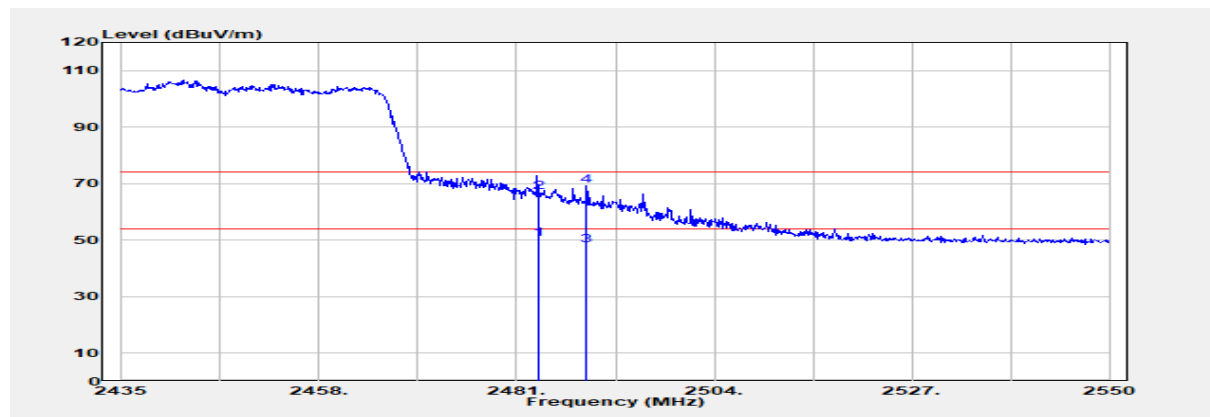
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	52.37	-2.06	50.31	54.00	-3.69
2483.500	Peak	69.05	-2.06	67.00	74.00	-7.00
2489.165	Average	50.26	-2.06	48.19	54.00	-5.81
2489.165	Peak	71.47	-2.06	69.41	74.00	-4.59

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2447 MHz

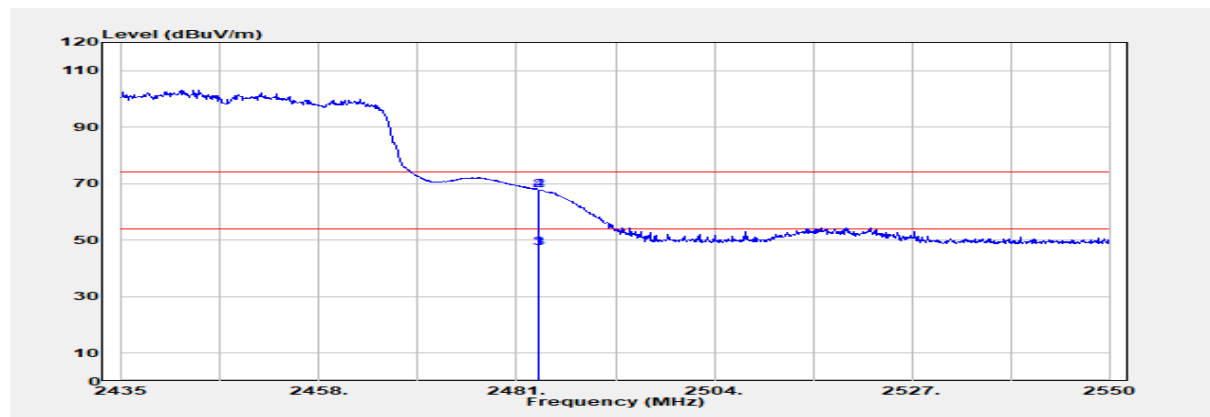
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	49.08	-2.06	47.02	54.00	-6.98
2483.500	Peak	69.83	-2.06	67.77	74.00	-6.23
2483.530	Average	49.12	-2.06	47.07	54.00	-6.93
2483.530	Peak	69.83	-2.06	67.77	74.00	-6.23

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2447 MHz

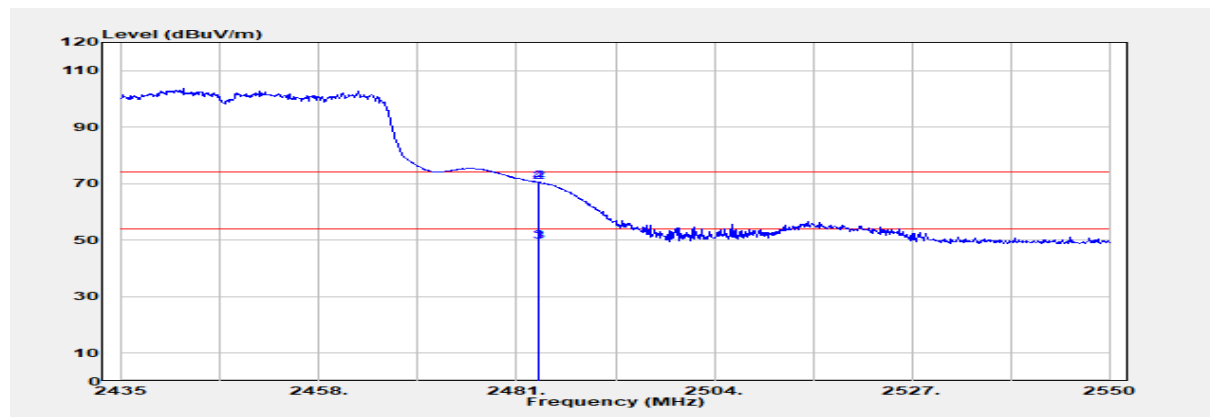
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	51.40	-2.06	49.34	54.00	-4.66
2483.500	Peak	72.50	-2.06	70.44	74.00	-3.56
2483.530	Average	51.42	-2.06	49.37	54.00	-4.63
2483.530	Peak	72.50	-2.06	70.44	74.00	-3.56

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2452 MHz

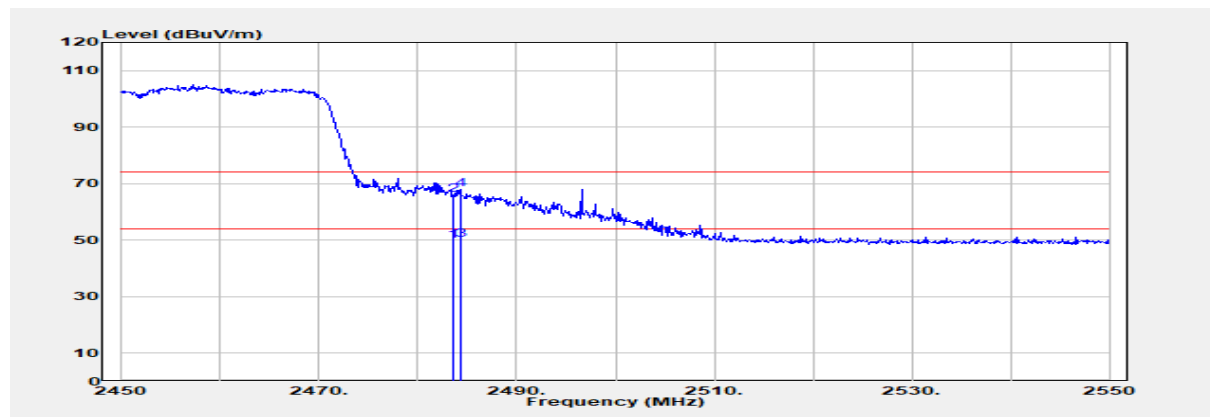
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	51.70	-2.06	49.65	54.00	-4.35
2483.500	Peak	68.11	-2.06	66.05	74.00	-7.95
2484.300	Average	52.25	-2.06	50.19	54.00	-3.81
2484.300	Peak	69.94	-2.06	67.88	74.00	-6.12

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台灣檢驗科技股份有限公司

t (886-2) 2299-3279

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www.sgs.com.tw

Member of SGS Group

Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2452 MHz

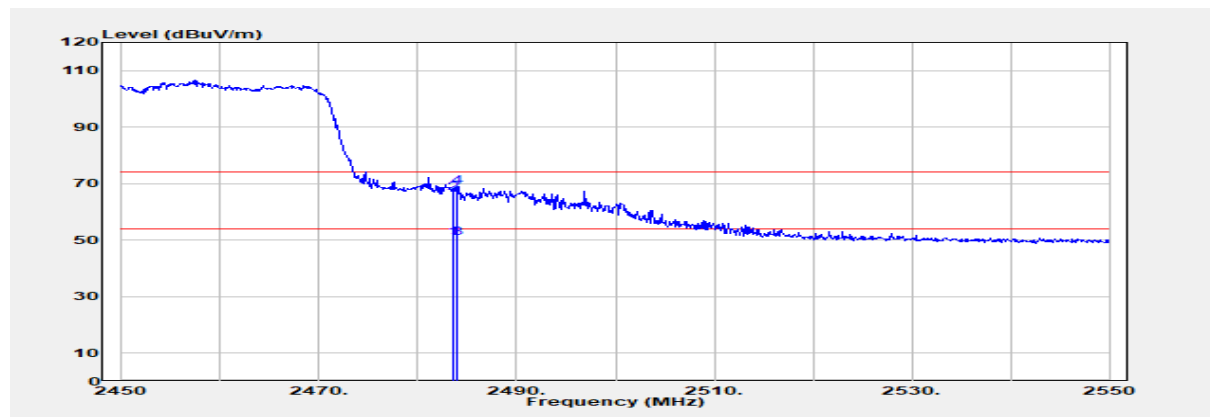
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	52.71	-2.06	50.65	54.00	-3.35
2483.500	Peak	68.67	-2.06	66.61	74.00	-7.39
2484.000	Average	52.95	-2.06	50.89	54.00	-3.11
2484.000	Peak	71.04	-2.06	68.98	74.00	-5.02

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2452 MHz

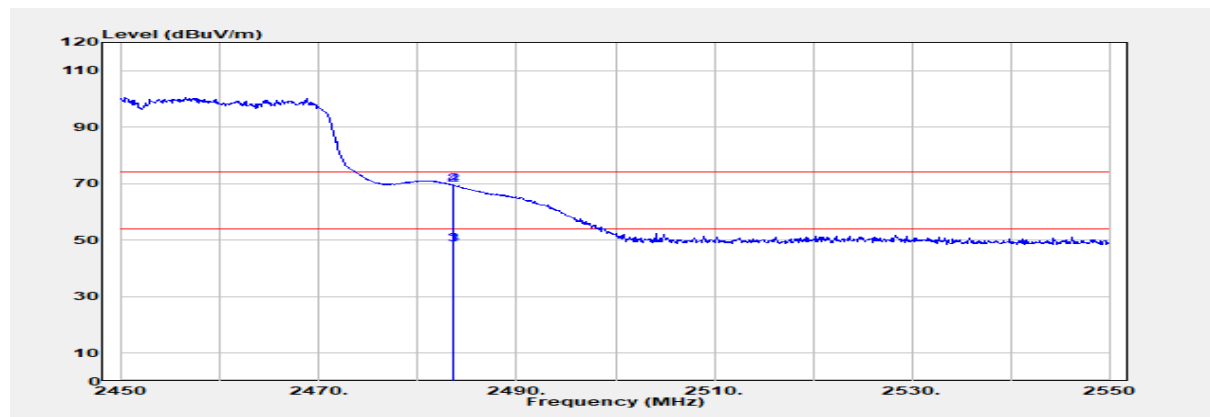
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	50.43	-2.06	48.37	54.00	-5.63
2483.500	Peak	71.50	-2.06	69.44	74.00	-4.56
2483.600	Average	50.49	-2.06	48.43	54.00	-5.57
2483.600	Peak	71.52	-2.06	69.46	74.00	-4.54

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-31

Test Frequency :2452 MHz

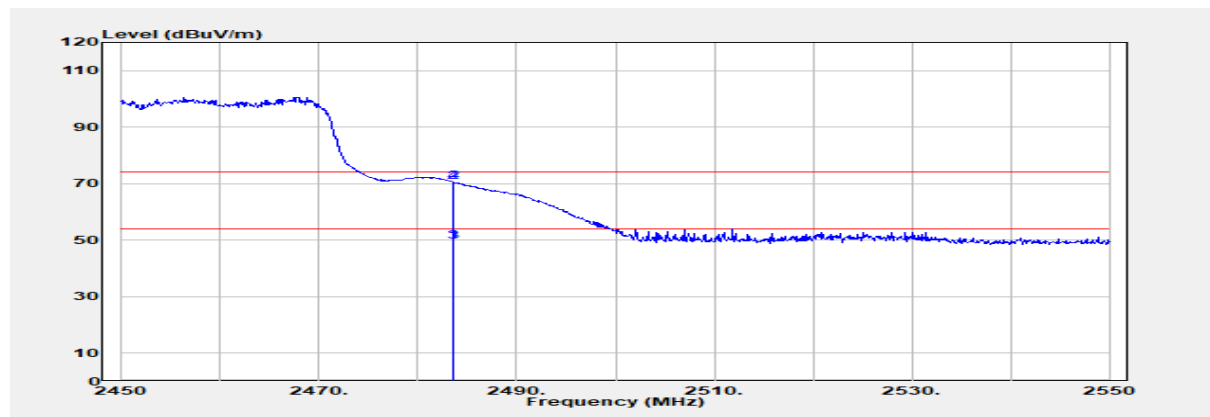
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	51.57	-2.06	49.51	54.00	-4.49
2483.500	Peak	72.77	-2.06	70.71	74.00	-3.29
2483.600	Average	51.59	-2.06	49.53	54.00	-4.47
2483.600	Peak	72.65	-2.06	70.59	74.00	-3.41

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Member of SGS Group

Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2452 MHz

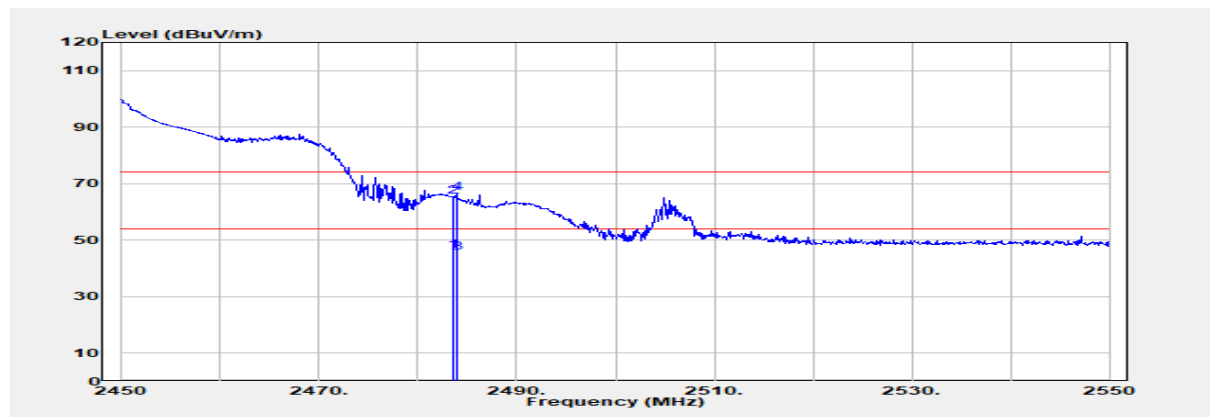
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU 26/0

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	48.15	-2.06	46.10	54.00	-7.90
2483.500	Peak	67.30	-2.06	65.24	74.00	-8.76
2483.900	Average	47.51	-2.06	45.45	54.00	-8.55
2483.900	Peak	68.61	-2.06	66.55	74.00	-7.45

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Member of SGS Group

Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2452 MHz

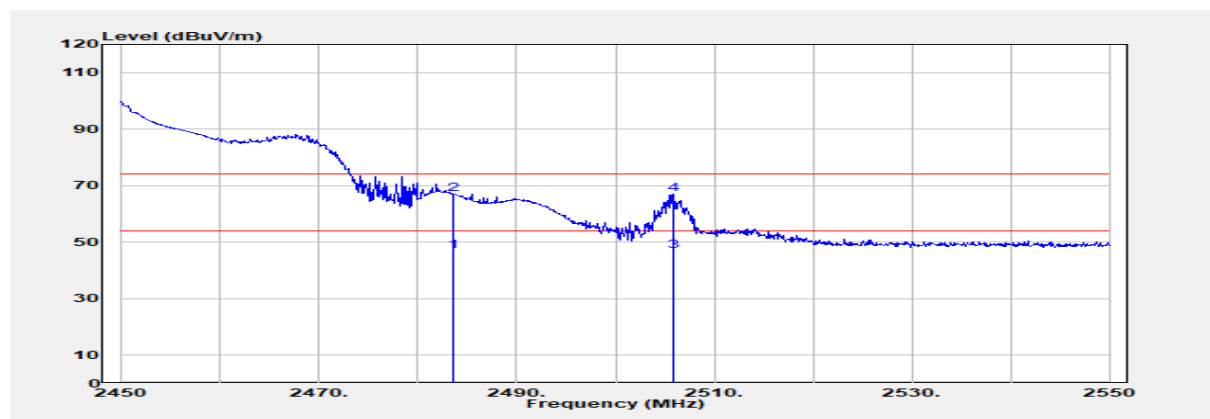
Temp./Humi. :25.4°C/54%

Test Mode :Bandedge RU 26/0

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



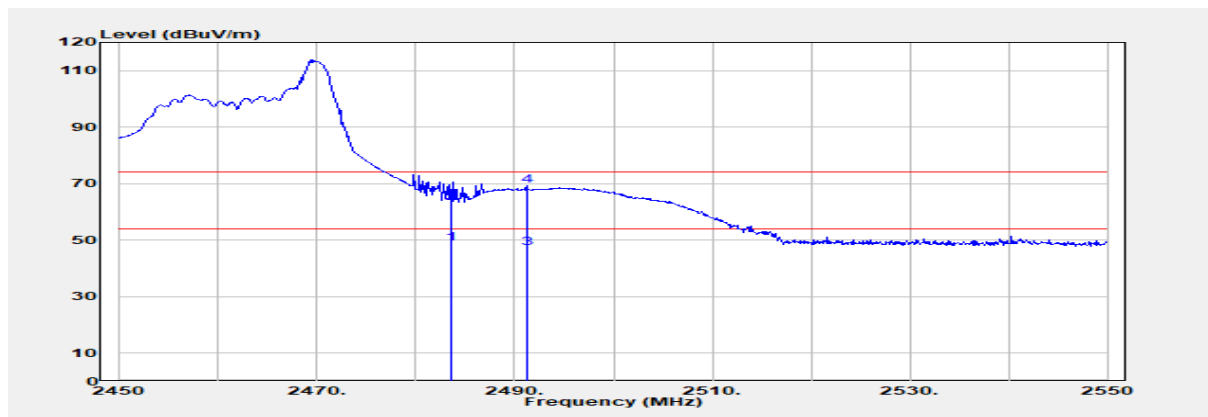
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	48.94	-2.06	46.89	54.00	-7.11
2483.500	Peak	69.21	-2.06	67.15	74.00	-6.85
2505.800	Average	48.99	-2.09	46.89	54.00	-7.11
2505.800	Peak	69.13	-2.09	67.04	74.00	-6.96

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU 26/17
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



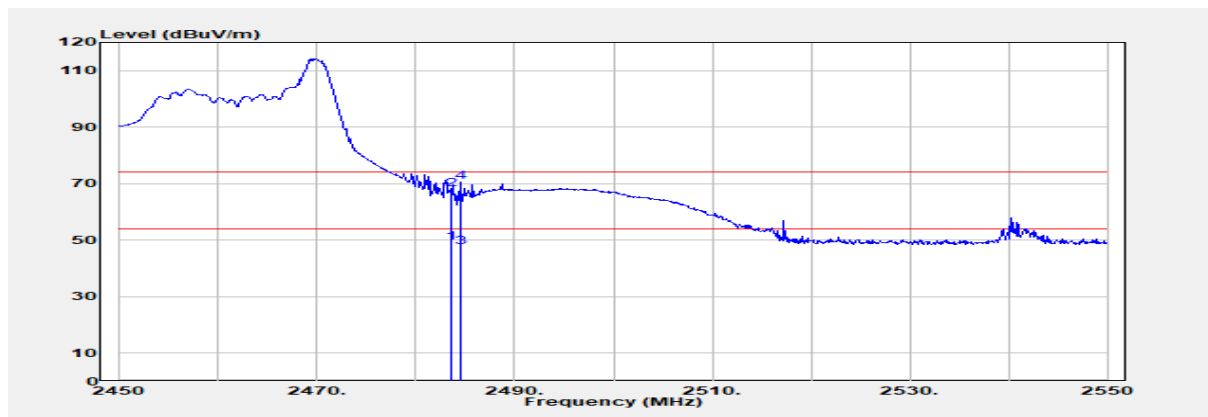
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	50.84	-2.06	48.79	54.00	-5.21
2483.500	Peak	65.26	-2.06	63.20	74.00	-10.80
2491.200	Average	49.38	-2.06	47.31	54.00	-6.69
2491.200	Peak	71.33	-2.06	69.27	74.00	-4.73

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU 26/17
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



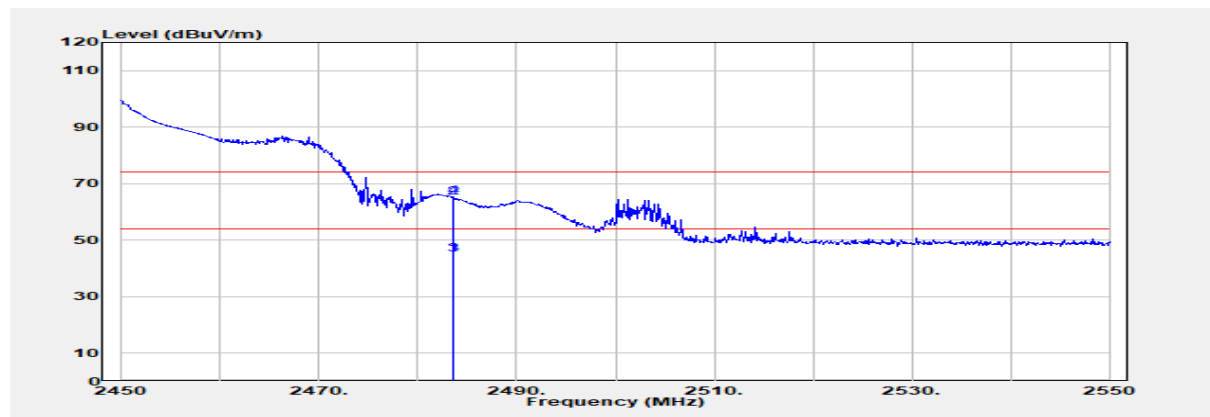
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	51.02	-2.06	48.97	54.00	-5.03
2483.500	Peak	69.99	-2.06	67.93	74.00	-6.07
2484.500	Average	49.42	-2.06	47.36	54.00	-6.64
2484.500	Peak	72.57	-2.06	70.52	74.00	-3.48

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU 52/37
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	46.97	-2.06	44.91	54.00	-9.09
2483.500	Peak	67.14	-2.06	65.08	74.00	-8.92
2483.600	Average	46.94	-2.06	44.88	54.00	-9.12
2483.600	Peak	67.29	-2.06	65.23	74.00	-8.77

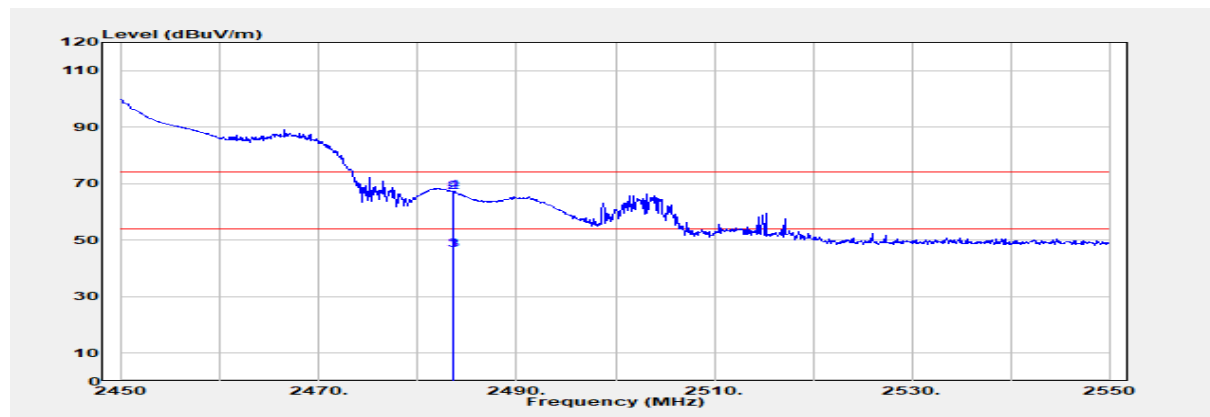
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU 52/37
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



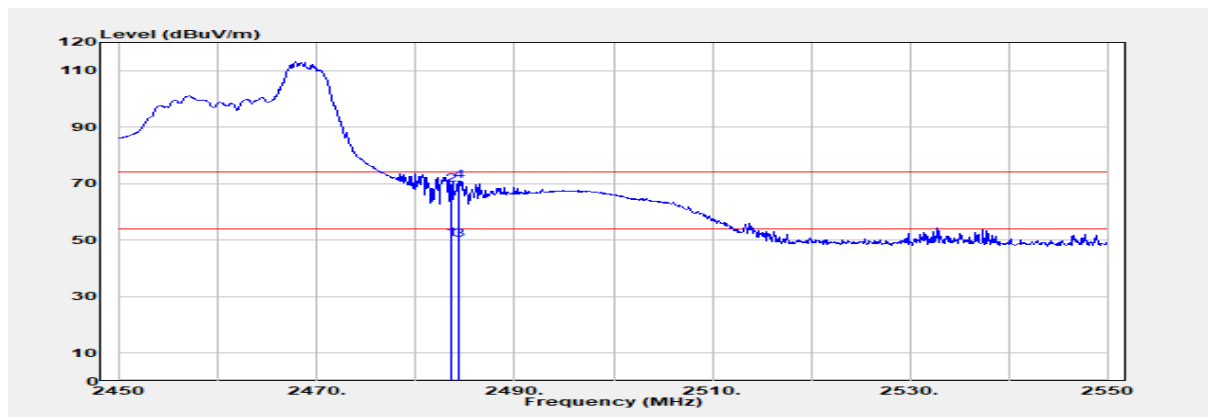
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	48.71	-2.06	46.65	54.00	-7.35
2483.500	Peak	69.20	-2.06	67.15	74.00	-6.85
2483.600	Average	48.63	-2.06	46.58	54.00	-7.42
2483.600	Peak	69.29	-2.06	67.23	74.00	-6.77

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU 52/44
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	52.43	-2.06	50.38	54.00	-3.62
2483.500	Peak	71.74	-2.06	69.68	74.00	-4.32
2484.400	Average	52.04	-2.06	49.99	54.00	-4.01
2484.400	Peak	72.84	-2.06	70.79	74.00	-3.21

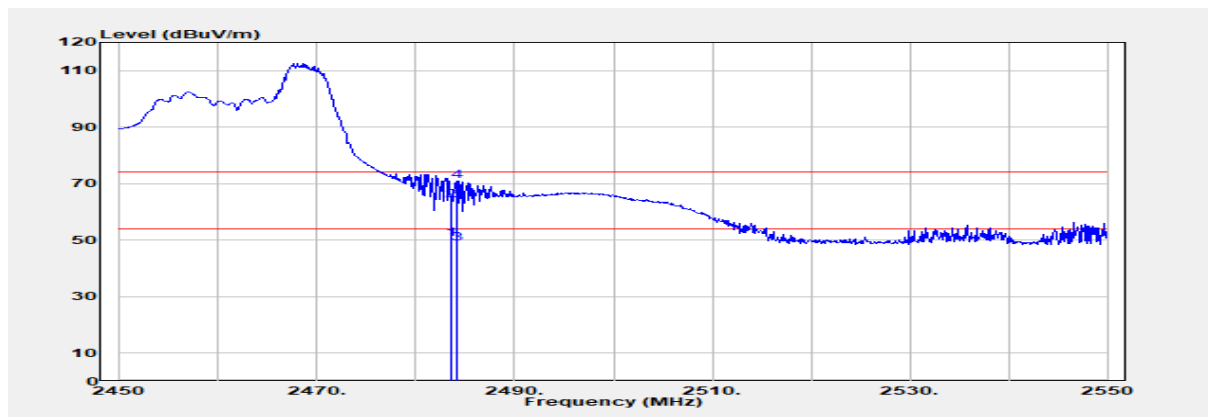
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU 52/44
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



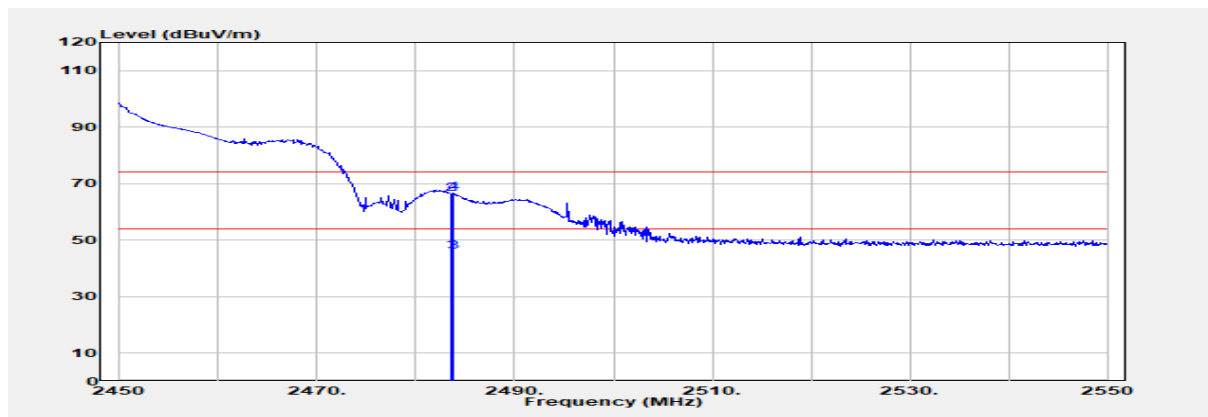
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	52.40	-2.06	50.35	54.00	-3.65
2483.500	Peak	66.26	-2.06	64.20	74.00	-9.80
2484.200	Average	50.82	-2.06	48.76	54.00	-5.24
2484.200	Peak	73.03	-2.06	70.97	74.00	-3.03

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU 106/53
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



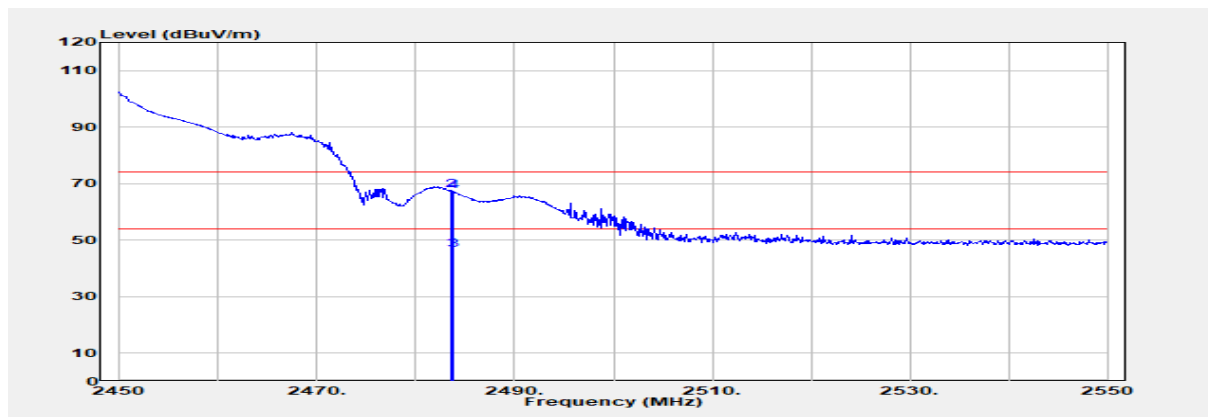
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	48.19	-2.06	46.13	54.00	-7.87
2483.500	Peak	68.46	-2.06	66.40	74.00	-7.60
2483.700	Average	47.94	-2.06	45.89	54.00	-8.11
2483.700	Peak	68.67	-2.06	66.62	74.00	-7.38

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU 106/53
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



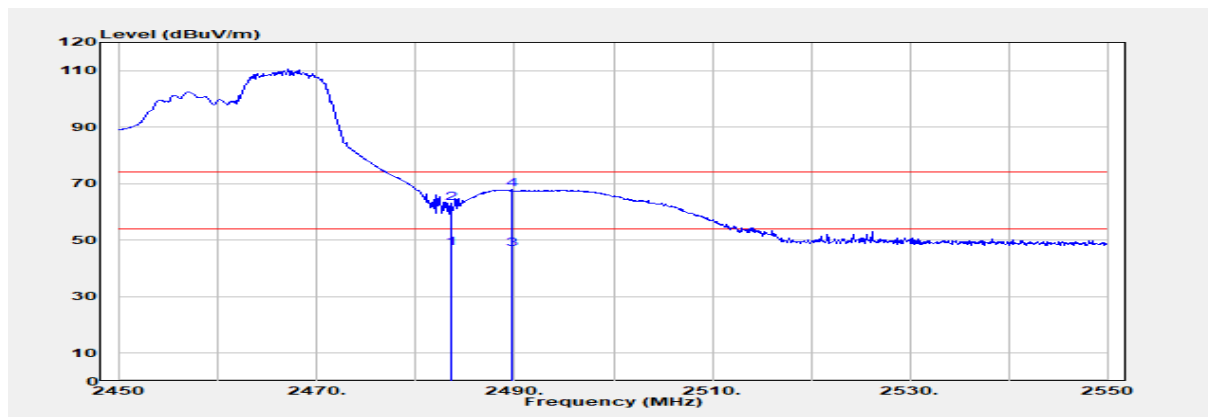
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	48.86	-2.06	46.80	54.00	-7.20
2483.500	Peak	69.57	-2.06	67.51	74.00	-6.49
2483.700	Average	48.61	-2.06	46.55	54.00	-7.45
2483.700	Peak	69.40	-2.06	67.35	74.00	-6.65

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Report Number :TERF2307001775E2
Operation Mode :802.11ax40
Test Frequency :2452 MHz
Test Mode :Bandedge RU 106/56
EUT Pol :E2 Plane

Test Site :SAC C
Test Date :2023-08-01
Temp./Humi. :25.4°C/54%
Antenna Pol. :Vertical
Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	49.12	-2.06	47.07	54.00	-6.93
2483.500	Peak	65.00	-2.06	62.94	74.00	-11.06
2489.700	Average	48.97	-2.06	46.91	54.00	-7.09
2489.700	Peak	69.89	-2.06	67.83	74.00	-6.17

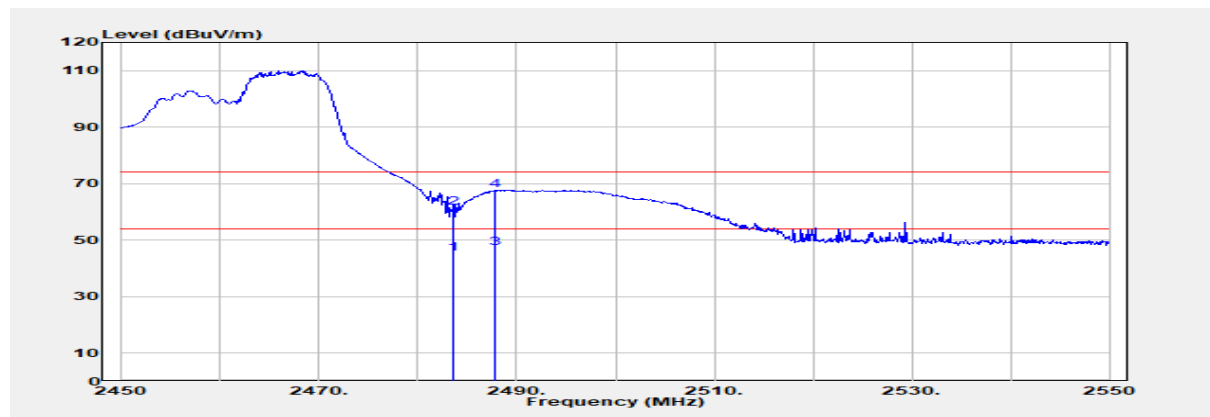
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU 106/56
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	47.39	-2.06	45.33	54.00	-8.67
2483.500	Peak	63.37	-2.06	61.31	74.00	-12.69
2487.800	Average	49.19	-2.06	47.13	54.00	-6.87
2487.800	Peak	69.82	-2.06	67.76	74.00	-6.24

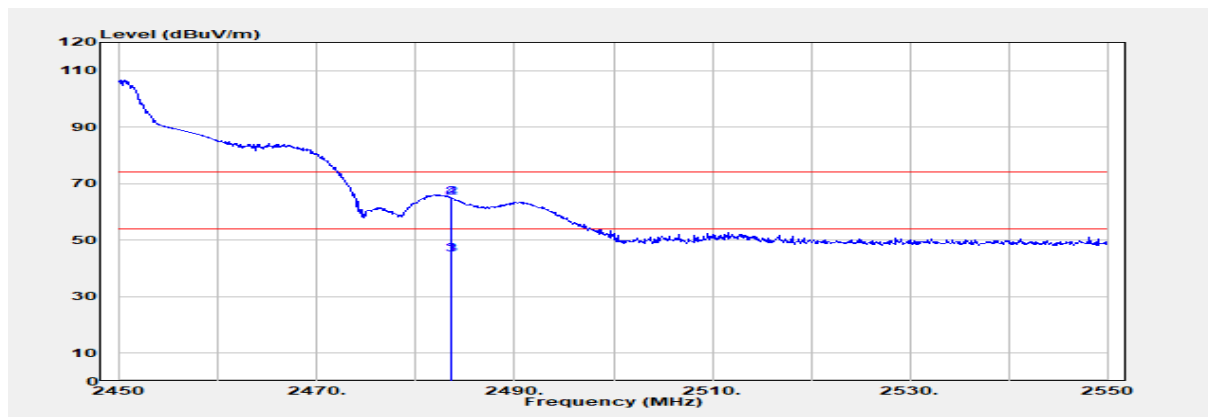
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU 242/61
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



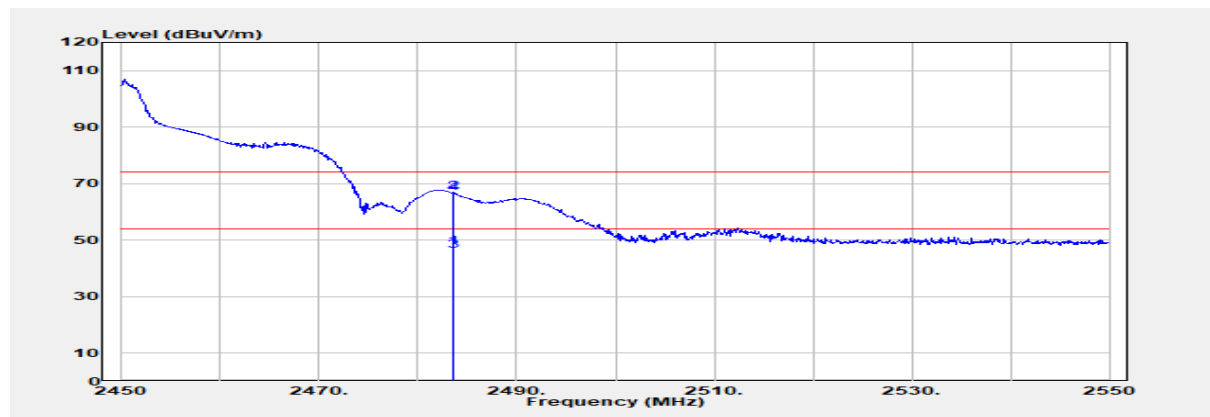
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	46.93	-2.06	44.87	54.00	-9.13
2483.500	Peak	67.02	-2.06	64.96	74.00	-9.04
2483.600	Average	46.90	-2.06	44.85	54.00	-9.15
2483.600	Peak	67.08	-2.06	65.03	74.00	-8.97

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU 242/61
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	49.52	-2.06	47.46	54.00	-6.54
2483.500	Peak	68.94	-2.06	66.88	74.00	-7.12
2483.600	Average	48.28	-2.06	46.23	54.00	-7.77
2483.600	Peak	68.88	-2.06	66.82	74.00	-7.18

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t (886-2) 2299-3279

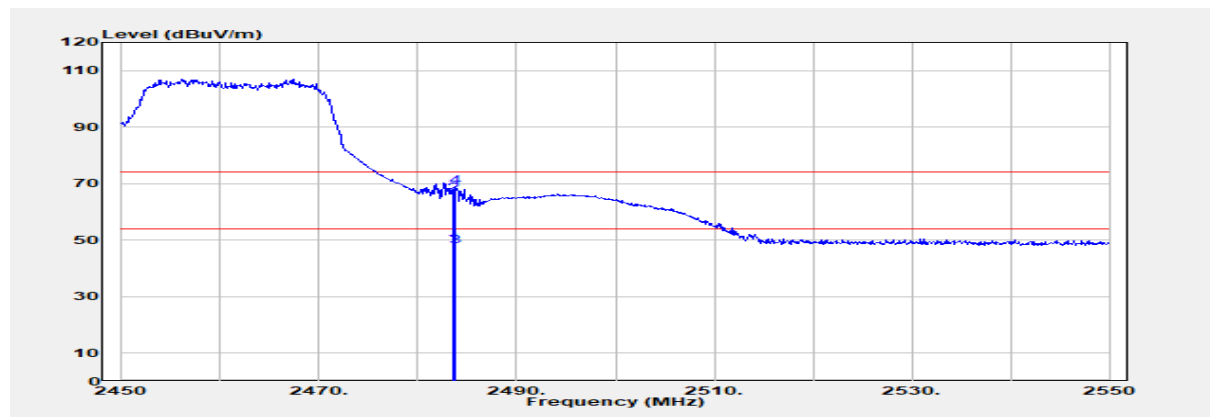
f (886-2) 2298-0488

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU 242/62
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	50.56	-2.06	48.51	54.00	-5.49
2483.500	Peak	68.43	-2.06	66.38	74.00	-7.62
2483.700	Average	49.93	-2.06	47.87	54.00	-6.13
2483.700	Peak	70.96	-2.06	68.90	74.00	-5.10

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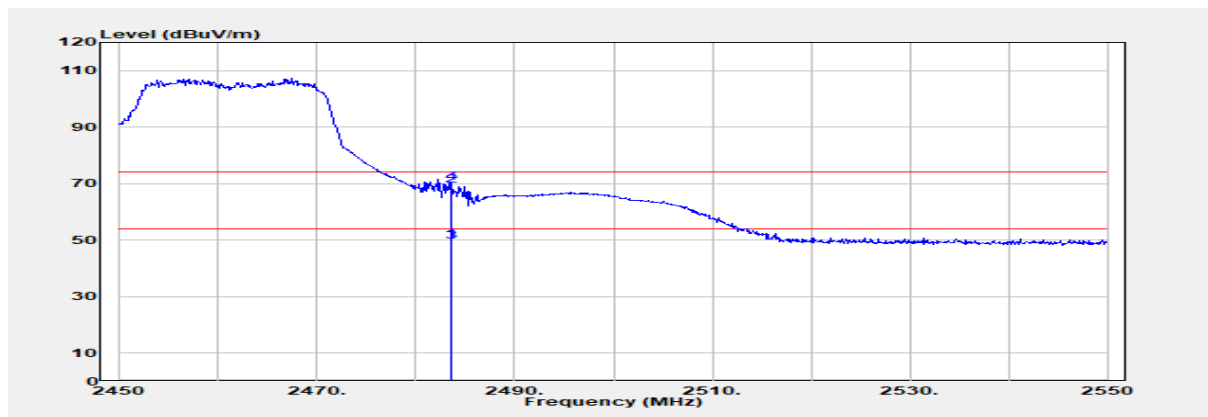
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www.sgs.com.tw

Member of SGS Group

Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU 242/62
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :25.4°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	51.74	-2.06	49.69	54.00	-4.31
2483.500	Peak	71.44	-2.06	69.38	74.00	-4.62
2483.600	Average	51.49	-2.06	49.43	54.00	-4.57
2483.600	Peak	72.22	-2.06	70.16	74.00	-3.84

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ANT0(dipole)

Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-07-27

Test Frequency :2412 MHz

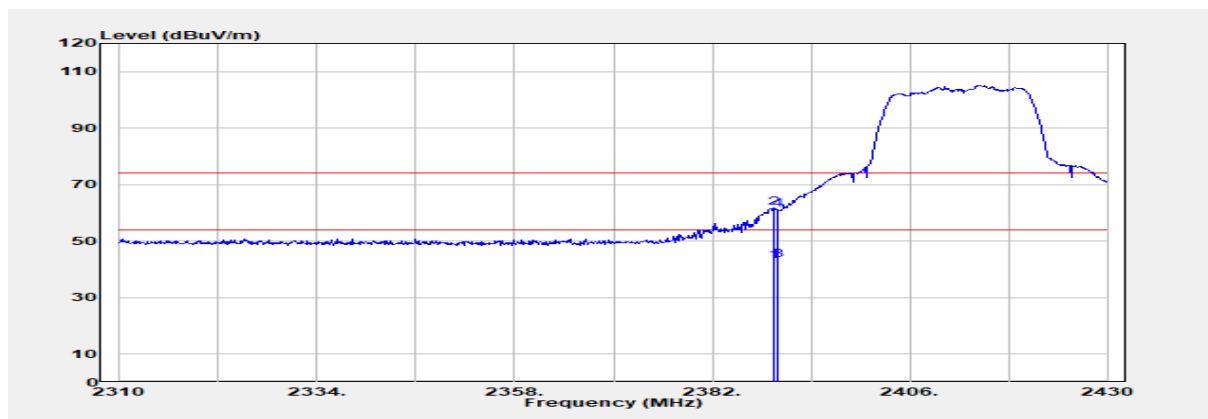
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.560	Average	45.19	-2.15	43.04	54.00	-10.96
2389.560	Peak	63.85	-2.15	61.70	74.00	-12.30
2390.000	Average	45.53	-2.15	43.38	54.00	-10.62
2390.000	Peak	63.37	-2.15	61.22	74.00	-12.78

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-07-27

Test Frequency :2412 MHz

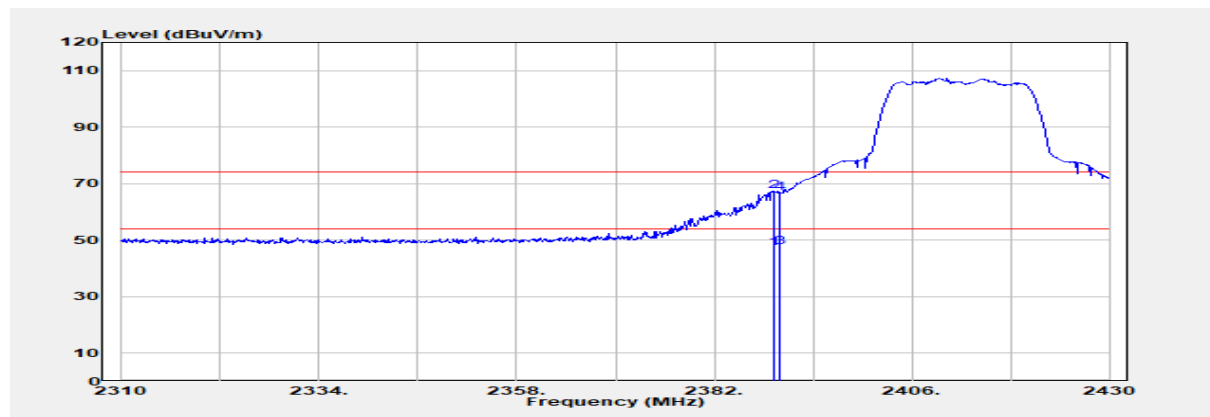
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.200	Average	49.39	-2.15	47.24	54.00	-6.76
2389.200	Peak	69.60	-2.15	67.44	74.00	-6.56
2390.000	Average	49.76	-2.15	47.60	54.00	-6.40
2390.000	Peak	68.91	-2.15	66.75	74.00	-7.25

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-07-27

Test Frequency :2462 MHz

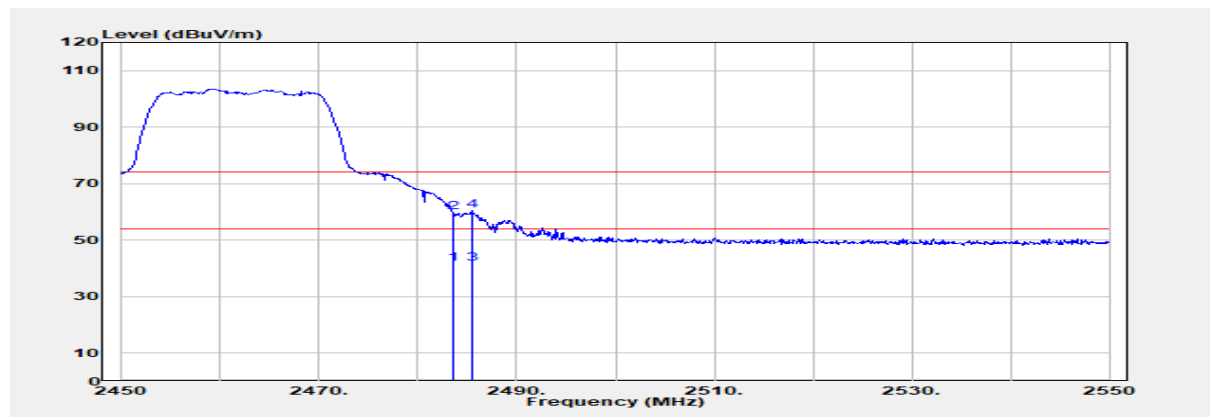
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	43.82	-2.06	41.77	54.00	-12.23
2483.500	Peak	61.91	-2.06	59.86	74.00	-14.14
2485.400	Average	43.72	-2.06	41.66	54.00	-12.34
2485.400	Peak	62.60	-2.06	60.55	74.00	-13.45

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Member of SGS Group

Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-07-27

Test Frequency :2462 MHz

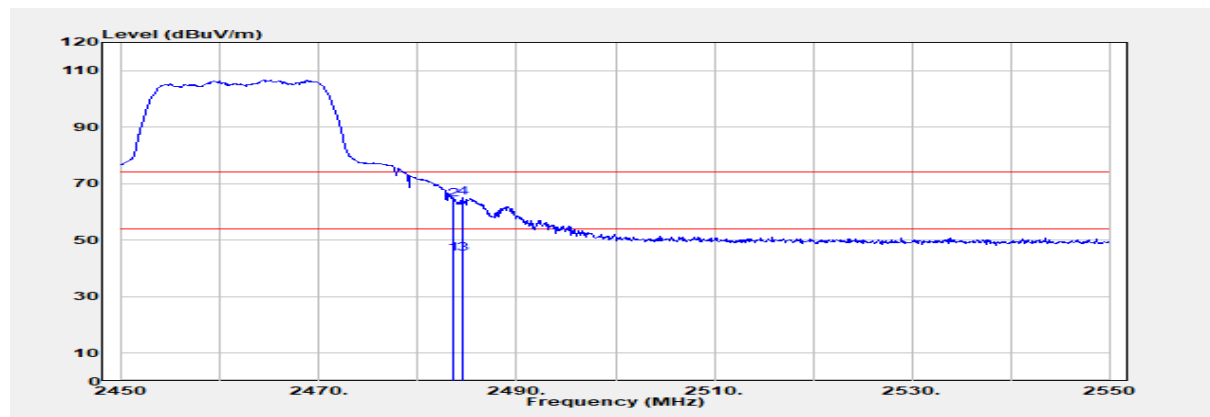
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	47.39	-2.06	45.34	54.00	-8.66
2483.500	Peak	66.60	-2.06	64.54	74.00	-9.46
2484.500	Average	47.28	-2.06	45.22	54.00	-8.78
2484.500	Peak	67.13	-2.06	65.08	74.00	-8.92

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-27

Test Frequency :2422 MHz

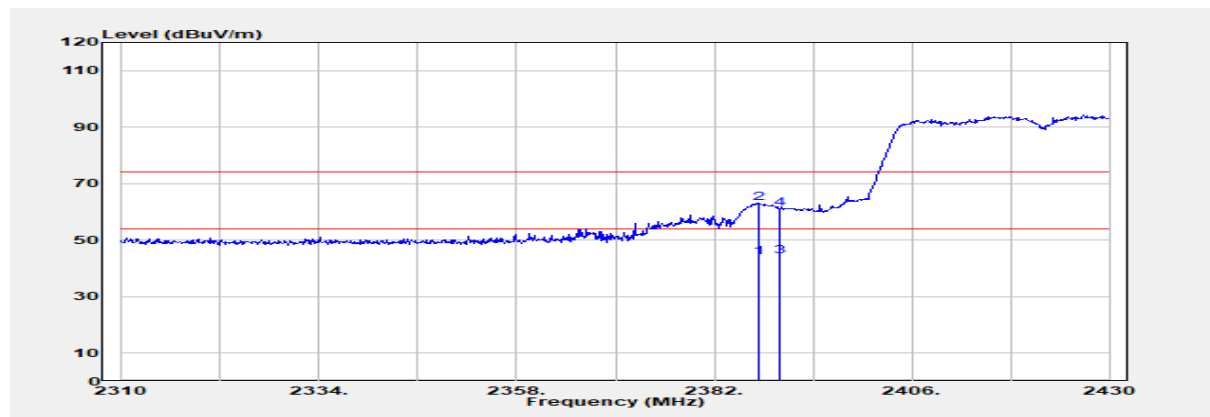
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2387.400	Average	46.02	-2.15	43.88	54.00	-10.12
2387.400	Peak	65.16	-2.15	63.01	74.00	-10.99
2390.000	Average	46.39	-2.15	44.23	54.00	-9.77
2390.000	Peak	63.33	-2.15	61.18	74.00	-12.82

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-27

Test Frequency :2422 MHz

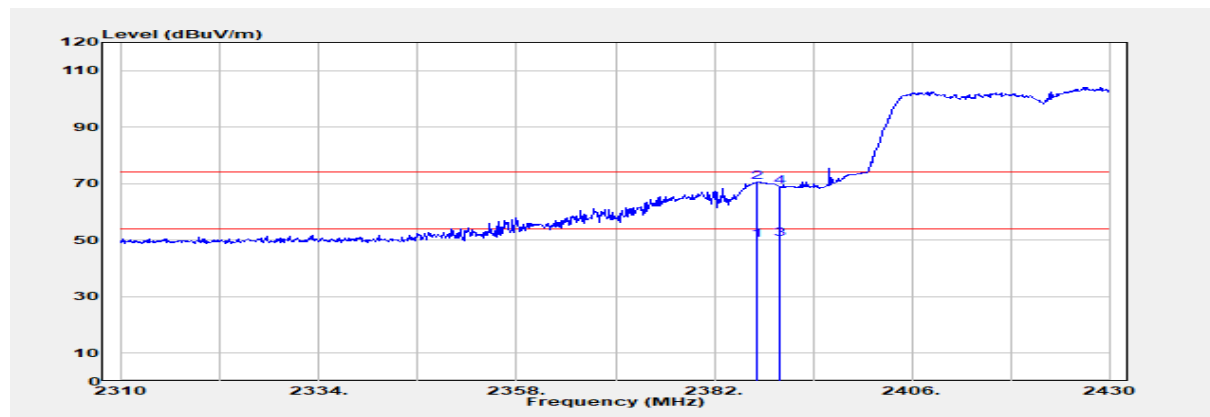
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2387.280	Average	52.27	-2.15	50.12	54.00	-3.88
2387.280	Peak	72.80	-2.15	70.65	74.00	-3.35
2390.000	Average	52.52	-2.15	50.37	54.00	-3.63
2390.000	Peak	70.93	-2.15	68.78	74.00	-5.22

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-28

Test Frequency :2427 MHz

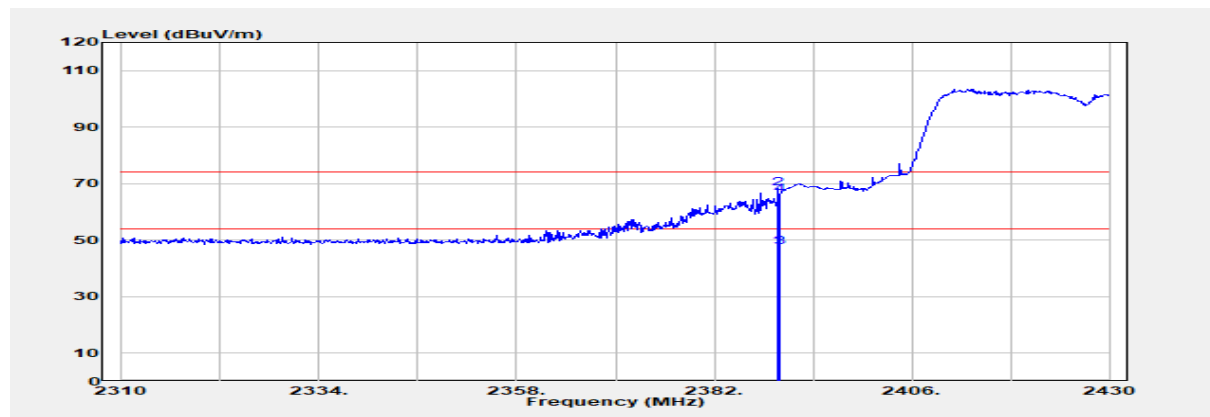
Temp./Humi. :22.2°C/60%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.800	Average	49.48	-2.15	47.33	54.00	-6.67
2389.800	Peak	70.56	-2.15	68.41	74.00	-5.59
2390.000	Average	49.58	-2.15	47.43	54.00	-6.57
2390.000	Peak	68.15	-2.15	66.00	74.00	-8.00

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Member of SGS Group

Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-28

Test Frequency :2427 MHz

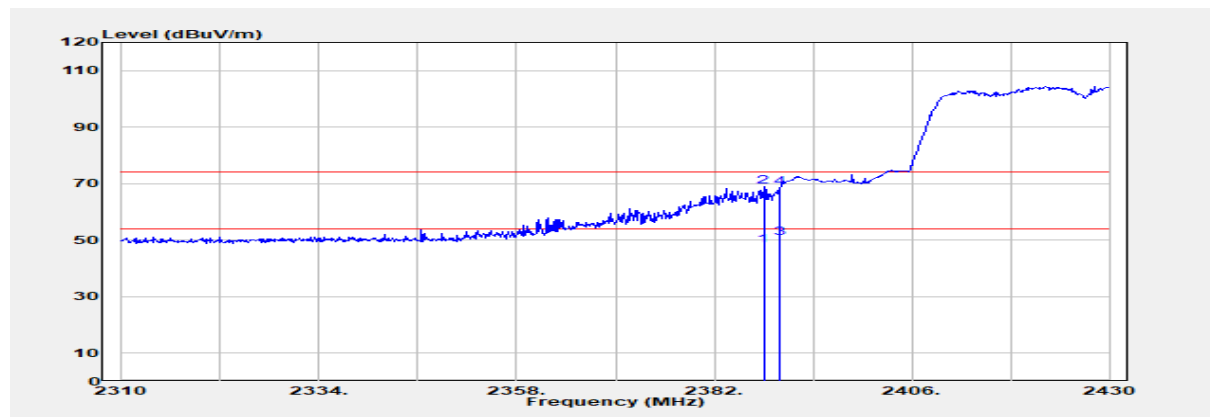
Temp./Humi. :22.2°C/60%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.000	Average	50.13	-2.15	47.98	54.00	-6.02
2388.000	Peak	71.11	-2.15	68.96	74.00	-5.04
2390.000	Average	52.89	-2.15	50.74	54.00	-3.26
2390.000	Peak	70.72	-2.15	68.57	74.00	-5.43

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-28

Test Frequency :2432 MHz

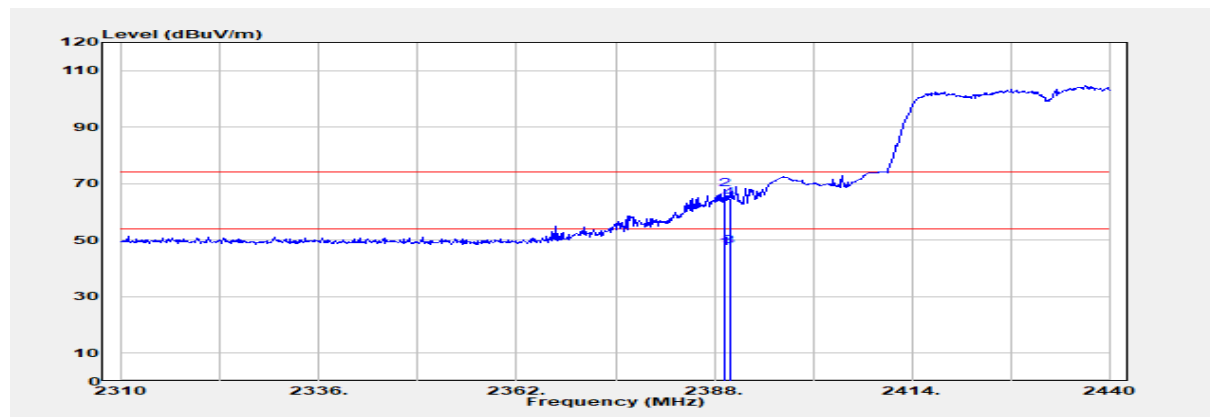
Temp./Humi. :22.2°C/60%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.430	Average	49.16	-2.15	47.01	54.00	-6.99
2389.430	Peak	70.18	-2.15	68.03	74.00	-5.97
2390.000	Average	49.94	-2.15	47.79	54.00	-6.21
2390.000	Peak	66.79	-2.15	64.64	74.00	-9.36

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-28

Test Frequency :2432 MHz

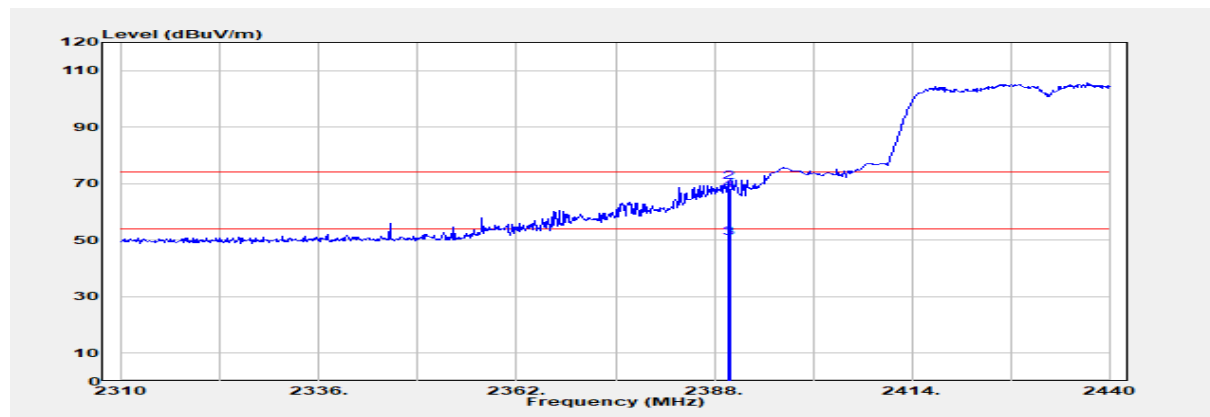
Temp./Humi. :22.2°C/60%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.820	Average	52.79	-2.15	50.64	54.00	-3.36
2389.820	Peak	72.57	-2.15	70.42	74.00	-3.58
2390.000	Average	52.73	-2.15	50.57	54.00	-3.43
2390.000	Peak	69.66	-2.15	67.51	74.00	-6.49

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-28

Test Frequency :2437 MHz

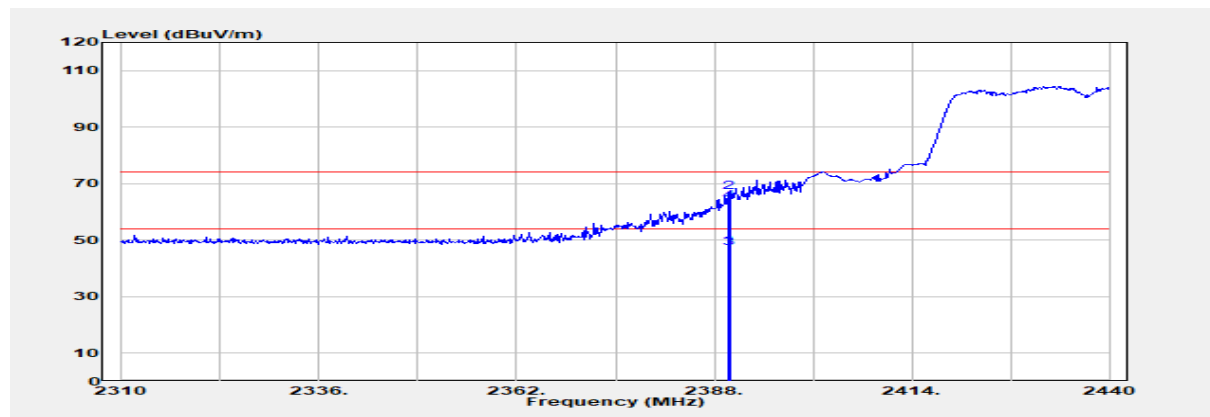
Temp./Humi. :22.2°C/60%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.820	Average	49.66	-2.15	47.51	54.00	-6.49
2389.820	Peak	69.05	-2.15	66.90	74.00	-7.10
2390.000	Average	49.45	-2.15	47.30	54.00	-6.70
2390.000	Peak	65.89	-2.15	63.74	74.00	-10.26

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-28

Test Frequency :2437 MHz

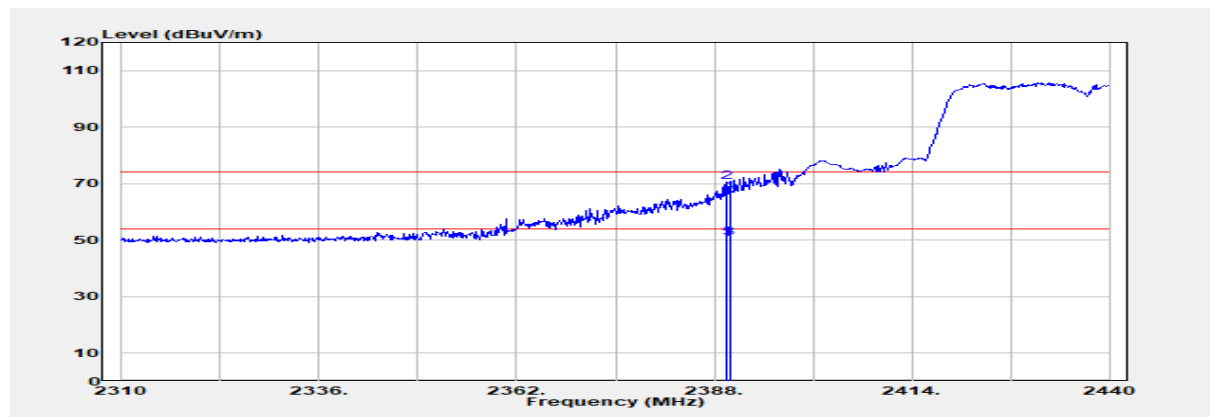
Temp./Humi. :22.2°C/60%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.690	Average	52.47	-2.15	50.32	54.00	-3.68
2389.690	Peak	72.58	-2.15	70.43	74.00	-3.57
2390.000	Average	52.73	-2.15	50.57	54.00	-3.43
2390.000	Peak	69.11	-2.15	66.96	74.00	-7.04

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-28

Test Frequency :2442 MHz

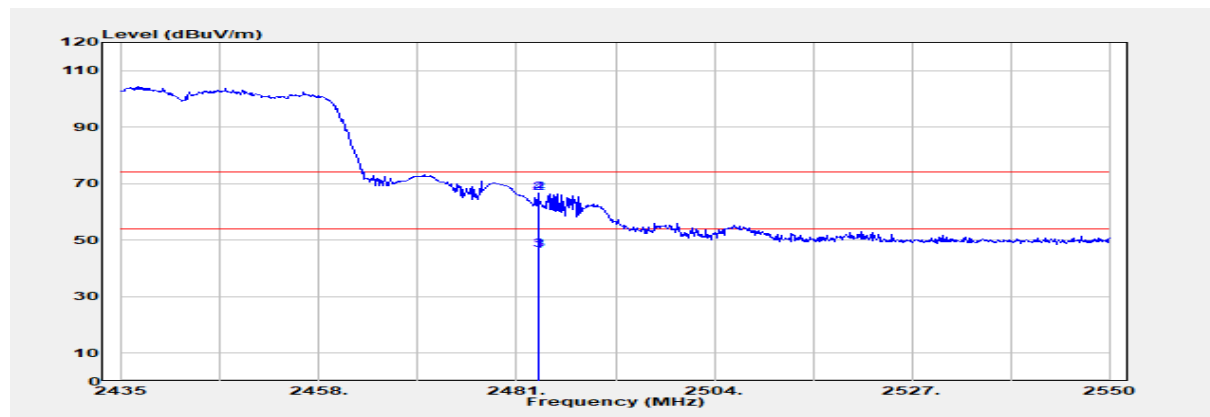
Temp./Humi. :22.2°C/60%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	48.33	-2.06	46.28	54.00	-7.72
2483.500	Peak	68.58	-2.06	66.53	74.00	-7.47
2483.530	Average	48.43	-2.06	46.37	54.00	-7.63
2483.530	Peak	68.59	-2.06	66.53	74.00	-7.47

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-28

Test Frequency :2442 MHz

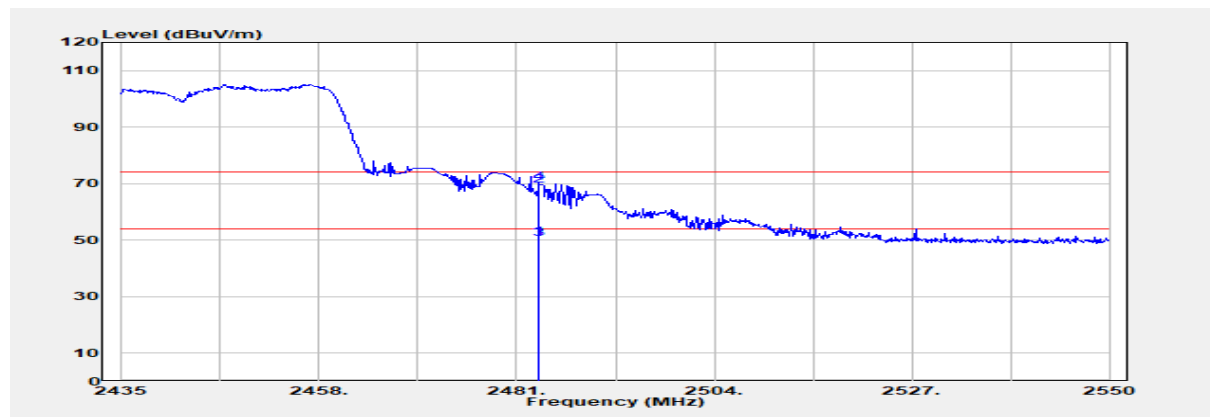
Temp./Humi. :22.2°C/60%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	52.77	-2.06	50.71	54.00	-3.29
2483.500	Peak	71.27	-2.06	69.21	74.00	-4.79
2483.645	Average	52.49	-2.06	50.43	54.00	-3.57
2483.645	Peak	72.29	-2.06	70.24	74.00	-3.76

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-28

Test Frequency :2447 MHz

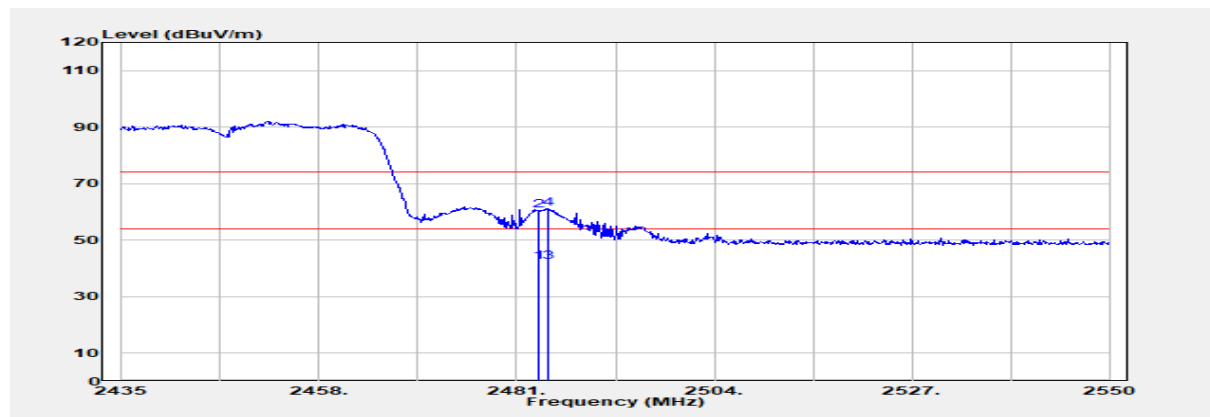
Temp./Humi. :22.2°C/60%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	44.31	-2.06	42.26	54.00	-11.74
2483.500	Peak	62.70	-2.06	60.65	74.00	-13.35
2484.565	Average	44.35	-2.06	42.30	54.00	-11.70
2484.565	Peak	63.17	-2.06	61.12	74.00	-12.88

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Member of SGS Group

Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-28

Test Frequency :2447 MHz

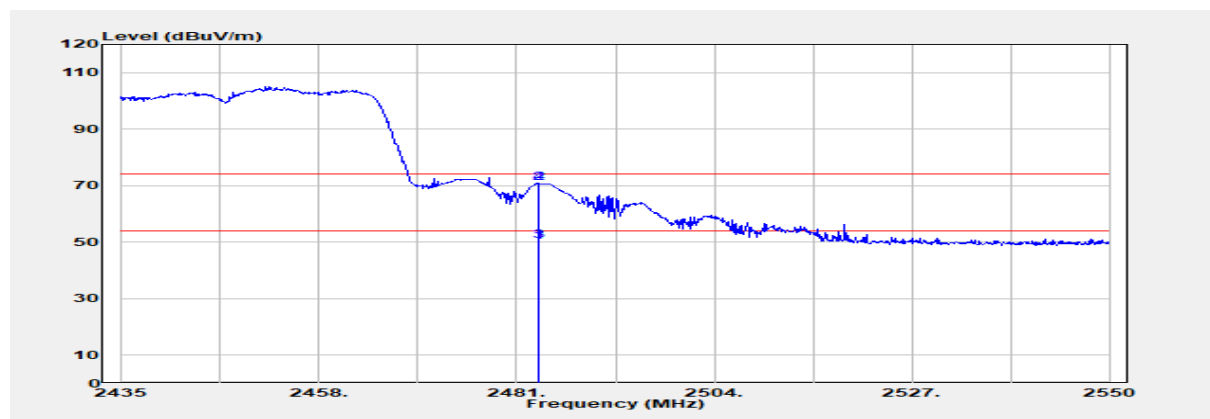
Temp./Humi. :22.2°C/60%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	52.05	-2.06	49.99	54.00	-4.01
2483.500	Peak	72.83	-2.06	70.77	74.00	-3.23
2483.645	Average	52.32	-2.06	50.26	54.00	-3.74
2483.645	Peak	72.85	-2.06	70.79	74.00	-3.21

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-28

Test Frequency :2452 MHz

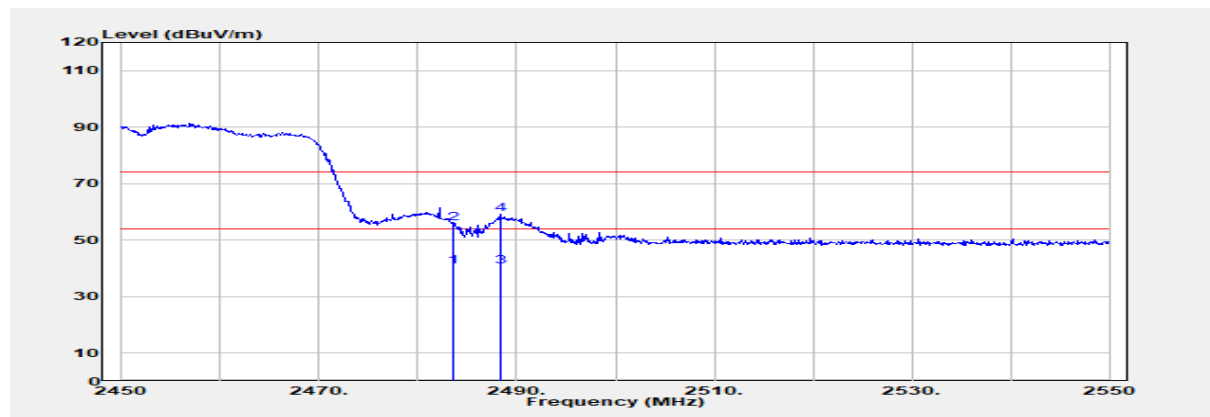
Temp./Humi. :22.2°C/60%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	42.58	-2.06	40.53	54.00	-13.47
2483.500	Peak	57.95	-2.06	55.89	74.00	-18.11
2488.300	Average	42.77	-2.06	40.71	54.00	-13.29
2488.300	Peak	61.19	-2.06	59.13	74.00	-14.87

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-07-28

Test Frequency :2452 MHz

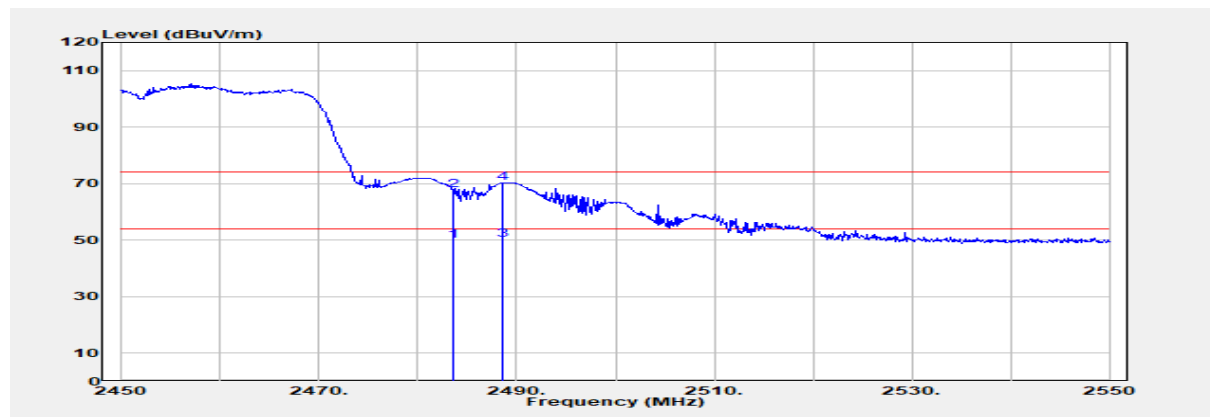
Temp./Humi. :22.2°C/60%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	51.71	-2.06	49.65	54.00	-4.35
2483.500	Peak	69.84	-2.06	67.78	74.00	-6.22
2488.500	Average	52.01	-2.06	49.95	54.00	-4.05
2488.500	Peak	72.40	-2.06	70.34	74.00	-3.66

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-27

Test Frequency :2422 MHz

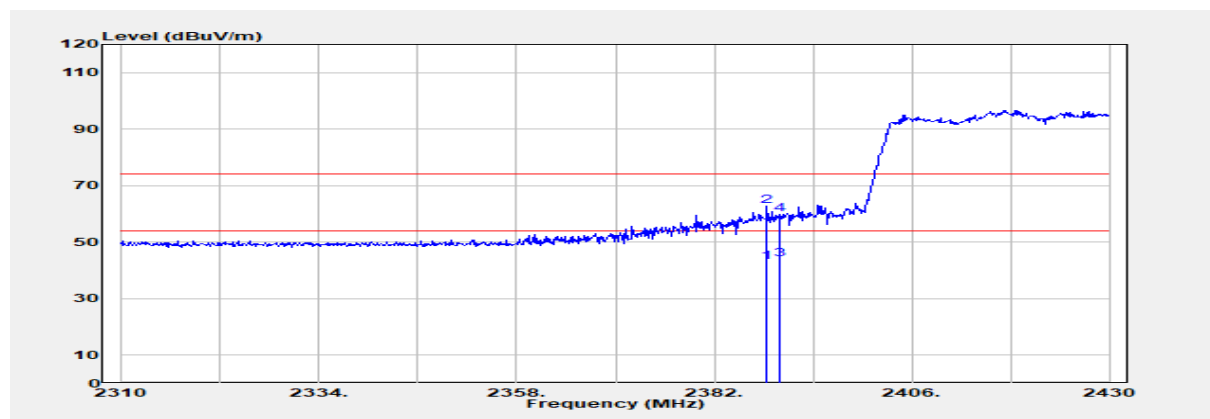
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2388.360	Average	45.05	-2.15	42.90	54.00	-11.10
2388.360	Peak	64.95	-2.15	62.80	74.00	-11.20
2390.000	Average	45.92	-2.15	43.77	54.00	-10.23
2390.000	Peak	62.12	-2.15	59.97	74.00	-14.03

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-27

Test Frequency :2422 MHz

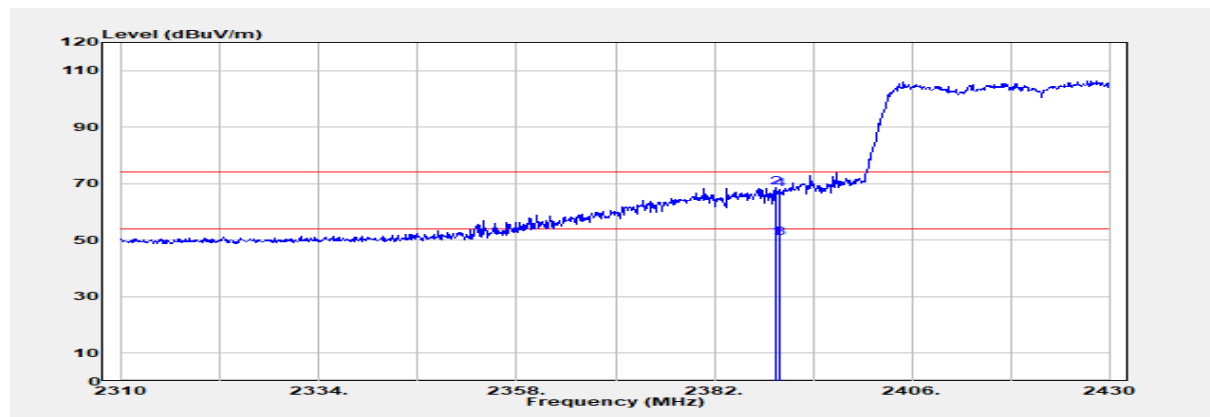
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.560	Average	53.03	-2.15	50.88	54.00	-3.12
2389.560	Peak	70.78	-2.15	68.62	74.00	-5.38
2390.000	Average	52.85	-2.15	50.69	54.00	-3.31
2390.000	Peak	69.97	-2.15	67.82	74.00	-6.18

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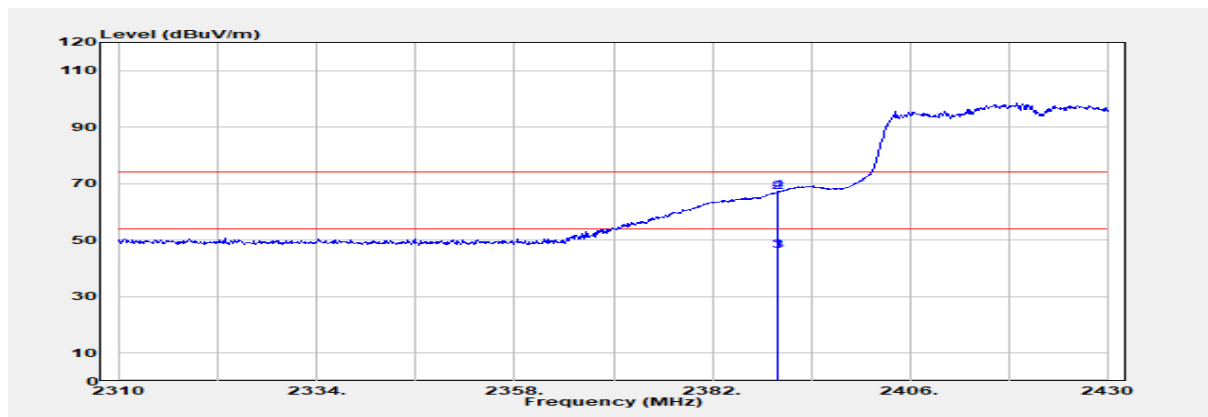
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge FULL RU
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-27
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2389.920	Average	48.38	-2.15	46.23	54.00	-7.77
2389.920	Peak	69.13	-2.15	66.98	74.00	-7.02
2390.000	Average	48.36	-2.15	46.21	54.00	-7.79
2390.000	Peak	69.32	-2.15	67.17	74.00	-6.83

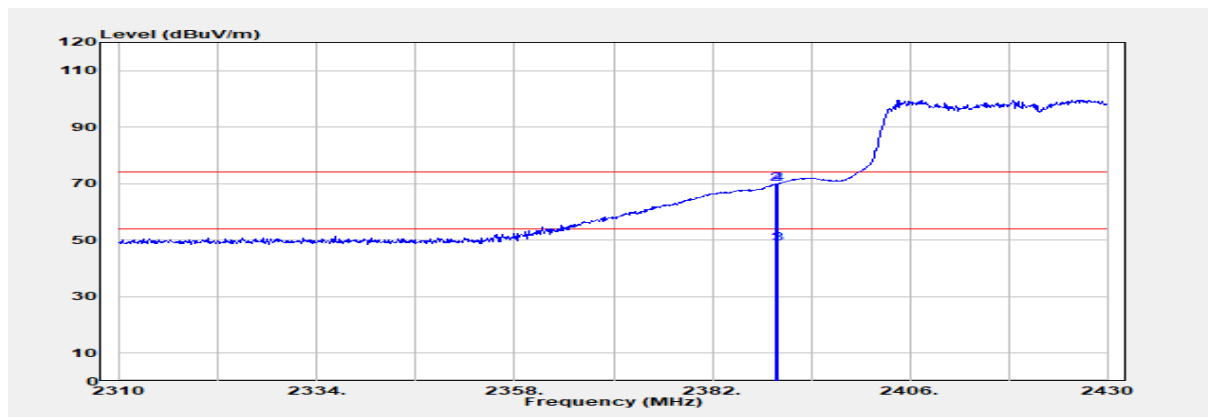
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge FULL RU
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-27
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.800	Average	50.92	-2.15	48.77	54.00	-5.23
2389.800	Peak	72.21	-2.15	70.06	74.00	-3.94
2390.000	Average	50.88	-2.15	48.72	54.00	-5.28
2390.000	Peak	72.16	-2.15	70.01	74.00	-3.99

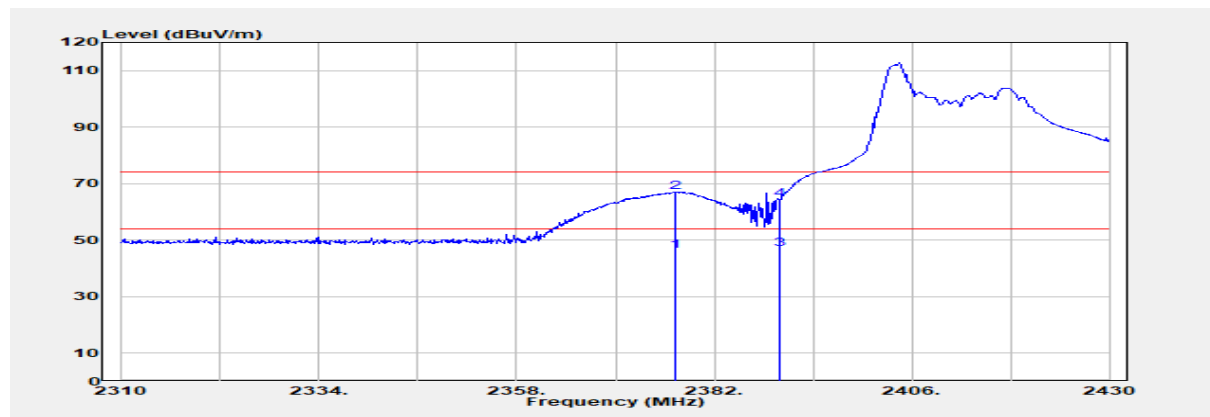
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU26/0
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2377.200	Average	48.25	-2.13	46.12	54.00	-7.88
2377.200	Peak	69.23	-2.13	67.10	74.00	-6.90
2390.000	Average	49.11	-2.15	46.96	54.00	-7.04
2390.000	Peak	66.44	-2.15	64.29	74.00	-9.71

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-28

Test Frequency :2422 MHz

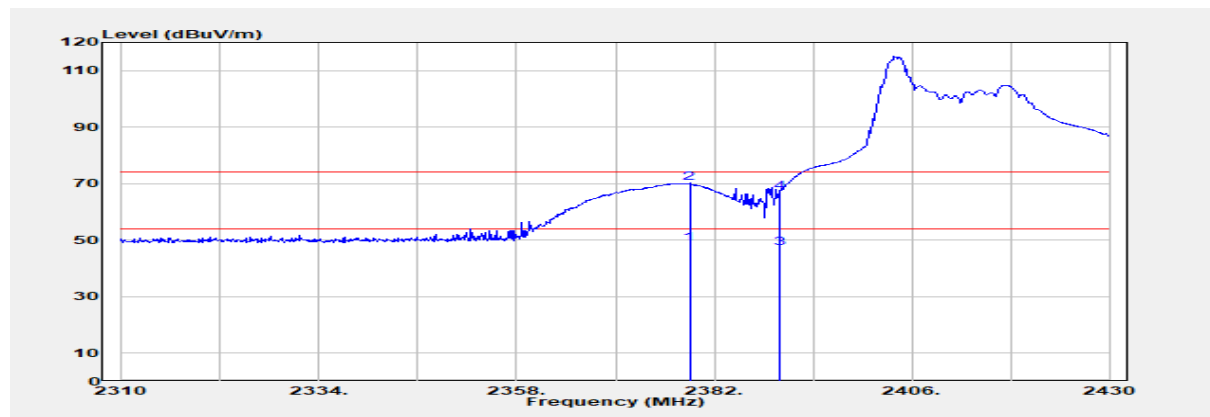
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge RU26/0

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2379.000	Average	50.95	-2.13	48.82	54.00	-5.18
2379.000	Peak	72.22	-2.13	70.09	74.00	-3.91
2390.000	Average	49.36	-2.15	47.21	54.00	-6.79
2390.000	Peak	69.12	-2.15	66.97	74.00	-7.03

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-28

Test Frequency :2422 MHz

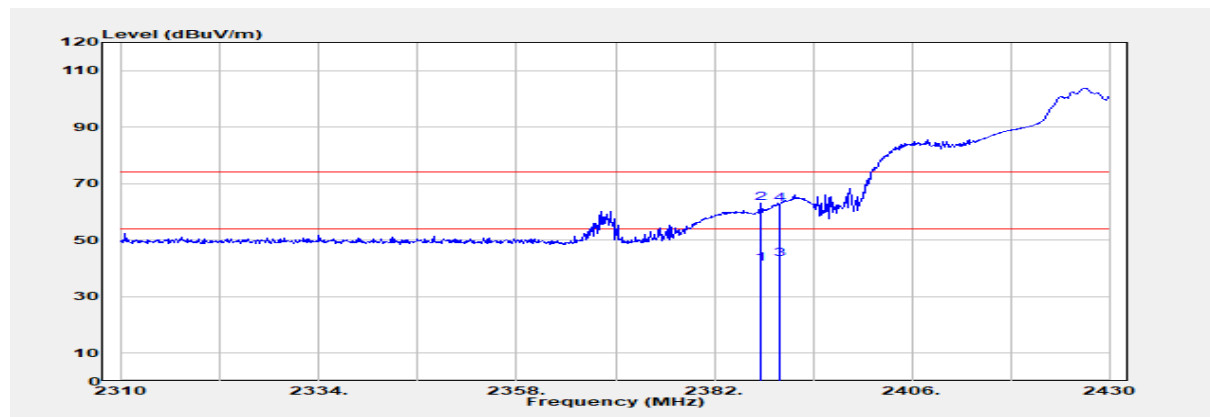
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge RU26/17

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2387.760	Average	43.74	-2.15	41.59	54.00	-12.41
2387.760	Peak	65.24	-2.15	63.09	74.00	-10.91
2390.000	Average	45.50	-2.15	43.34	54.00	-10.66
2390.000	Peak	64.96	-2.15	62.81	74.00	-11.19

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-28

Test Frequency :2422 MHz

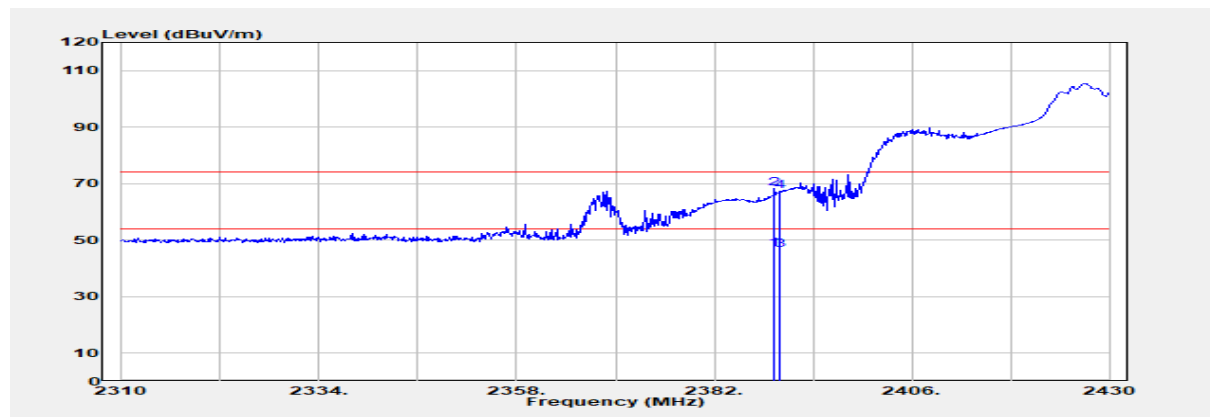
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge RU26/17

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.320	Average	48.94	-2.15	46.79	54.00	-7.21
2389.320	Peak	70.45	-2.15	68.29	74.00	-5.71
2390.000	Average	48.64	-2.15	46.49	54.00	-7.51
2390.000	Peak	69.57	-2.15	67.42	74.00	-6.58

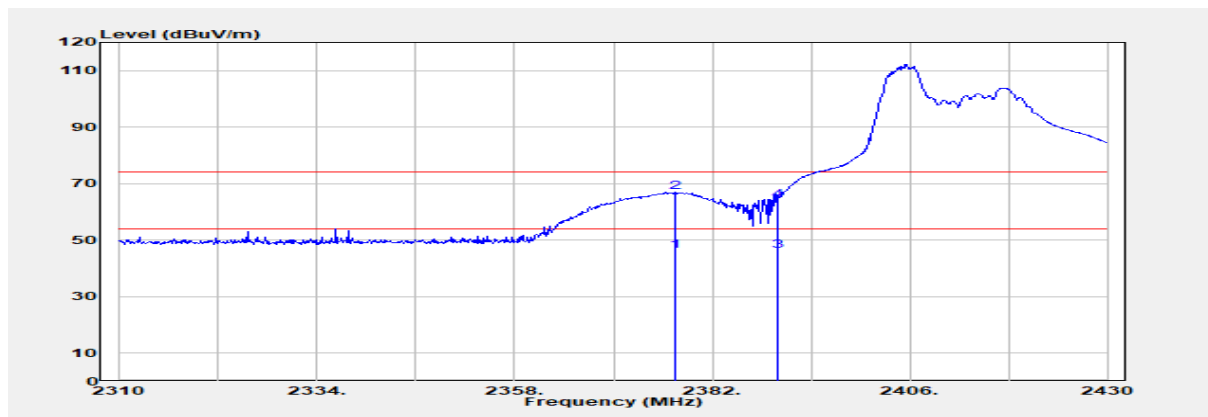
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU52/37
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2377.560	Average	48.20	-2.13	46.07	54.00	-7.93
2377.560	Peak	69.15	-2.13	67.02	74.00	-6.98
2390.000	Average	48.44	-2.15	46.29	54.00	-7.71
2390.000	Peak	66.26	-2.15	64.10	74.00	-9.90

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-28

Test Frequency :2422 MHz

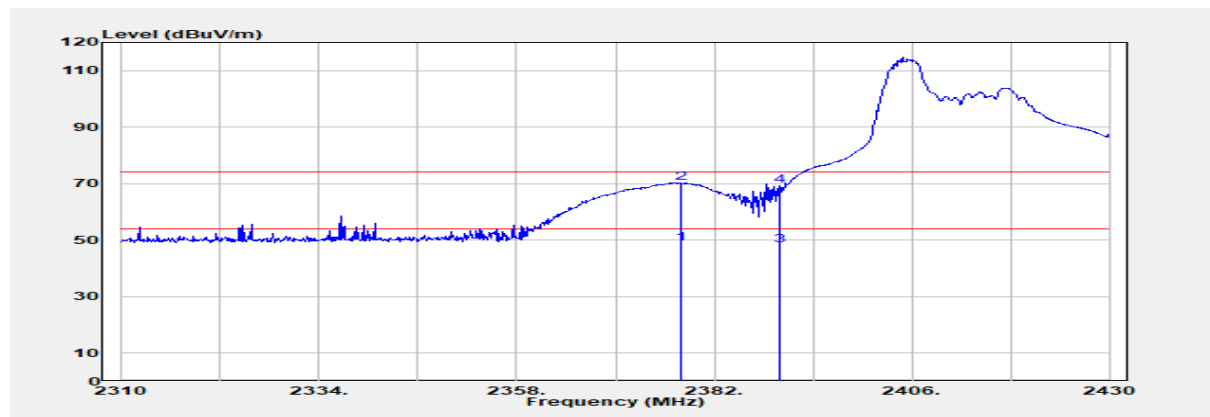
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge RU52/37

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2377.920	Average	51.04	-2.13	48.91	54.00	-5.09
2377.920	Peak	72.42	-2.13	70.29	74.00	-3.71
2390.000	Average	50.18	-2.15	48.03	54.00	-5.97
2390.000	Peak	71.29	-2.15	69.14	74.00	-4.86

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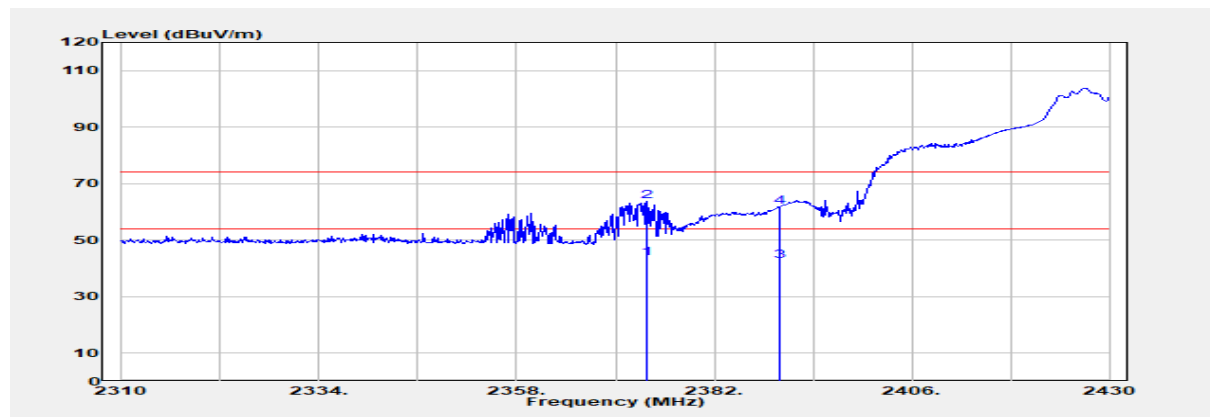
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU52/44
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2373.720	Average	45.71	-2.12	43.59	54.00	-10.41
2373.720	Peak	65.75	-2.12	63.63	74.00	-10.37
2390.000	Average	44.84	-2.15	42.69	54.00	-11.31
2390.000	Peak	63.92	-2.15	61.77	74.00	-12.23

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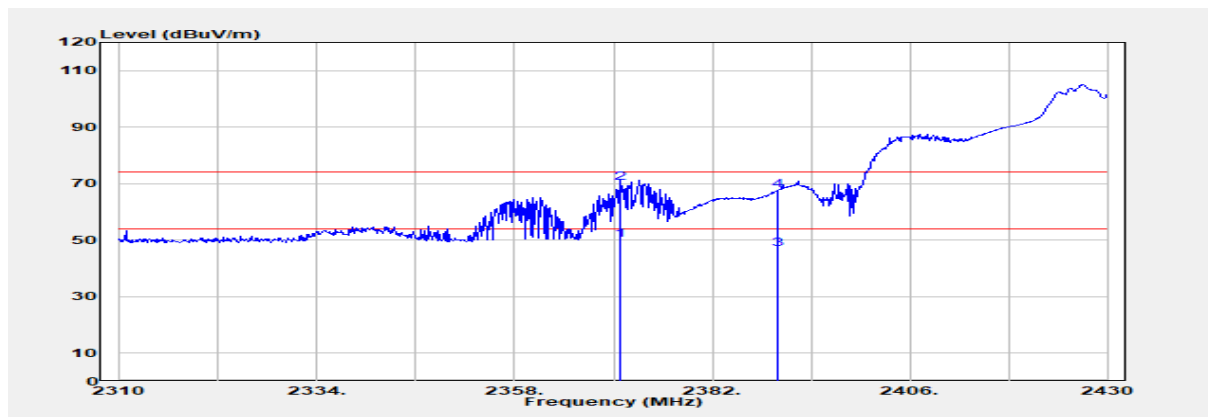
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Member of SGS Group

Report Number :TERF2307001775E2
Operation Mode :802.11ax40
Test Frequency :2422 MHz
Test Mode :Bandedge RU52/44
EUT Pol :E2 Plane

Test Site :SAC C
Test Date :2023-07-28
Temp./Humi. :21.8°C/54%
Antenna Pol. :Horizontal
Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2370.840	Average	52.11	-2.12	50.00	54.00	-4.00
2370.840	Peak	72.49	-2.12	70.37	74.00	-3.63
2390.000	Average	48.99	-2.15	46.84	54.00	-7.16
2390.000	Peak	69.93	-2.15	67.77	74.00	-6.23

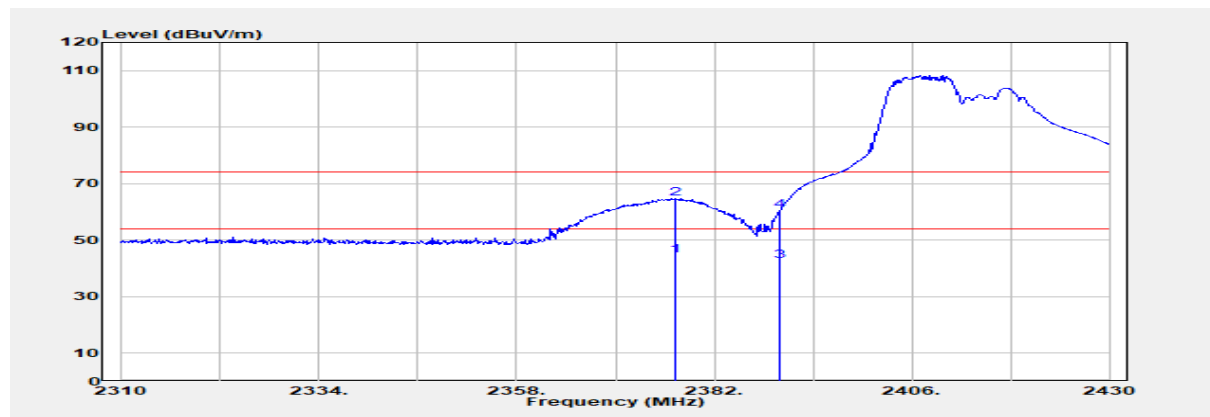
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU106/53
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2377.200	Average	46.69	-2.13	44.56	54.00	-9.44
2377.200	Peak	66.86	-2.13	64.73	74.00	-9.27
2390.000	Average	44.61	-2.15	42.46	54.00	-11.54
2390.000	Peak	62.48	-2.15	60.33	74.00	-13.67

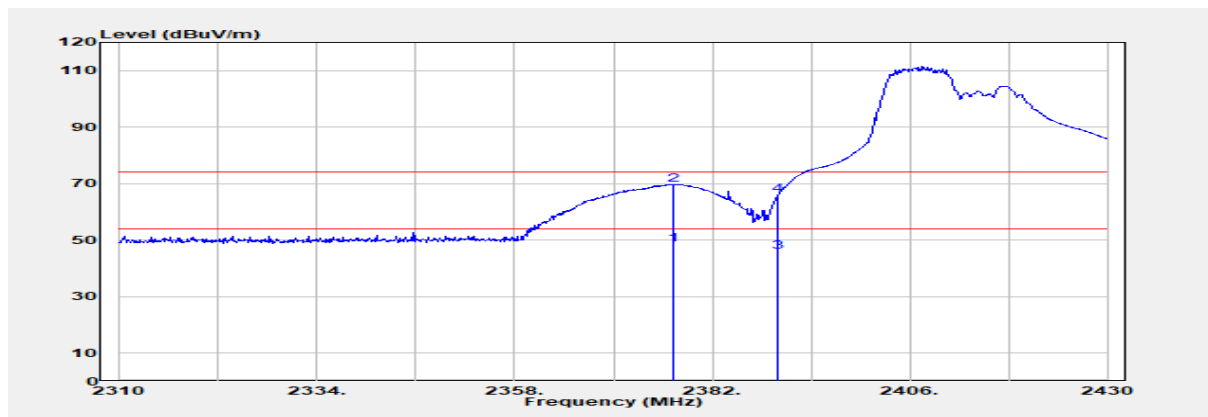
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU106/53
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2377.200	Average	50.70	-2.13	48.57	54.00	-5.43
2377.200	Peak	71.87	-2.13	69.74	74.00	-4.26
2390.000	Average	47.98	-2.15	45.83	54.00	-8.17
2390.000	Peak	68.06	-2.15	65.90	74.00	-8.10

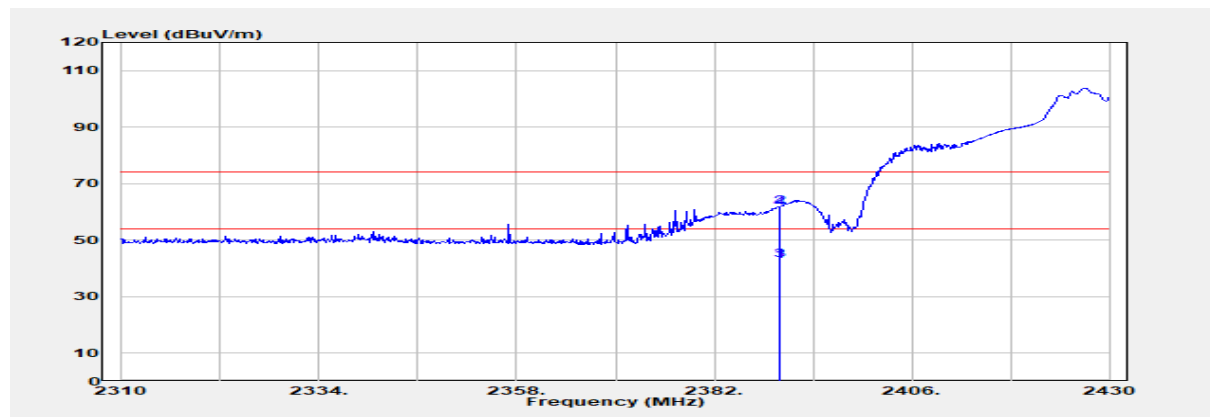
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU106/56
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.920	Average	44.71	-2.15	42.56	54.00	-11.44
2389.920	Peak	64.00	-2.15	61.85	74.00	-12.15
2390.000	Average	45.12	-2.15	42.97	54.00	-11.03
2390.000	Peak	63.74	-2.15	61.59	74.00	-12.41

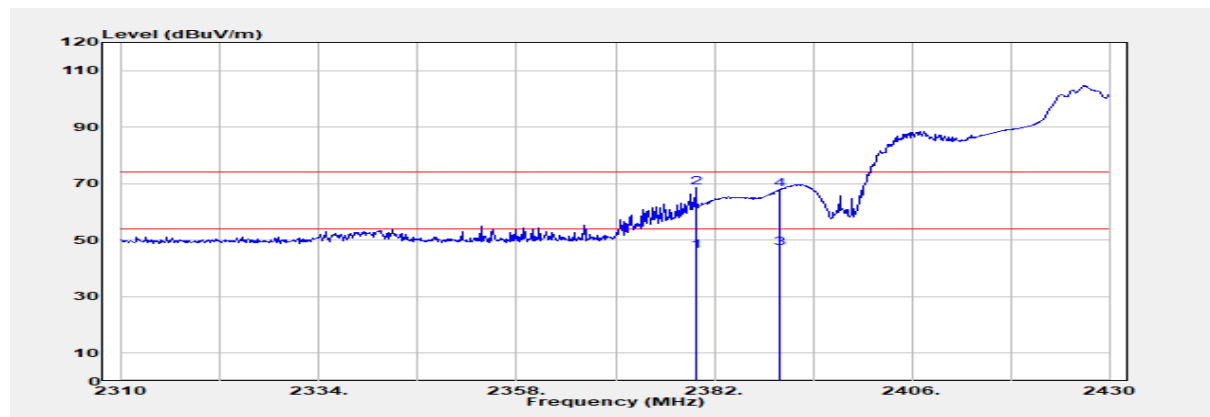
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU106/56
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2379.720	Average	48.38	-2.13	46.24	54.00	-7.76
2379.720	Peak	70.84	-2.13	68.71	74.00	-5.29
2390.000	Average	49.24	-2.15	47.09	54.00	-6.91
2390.000	Peak	70.07	-2.15	67.92	74.00	-6.08

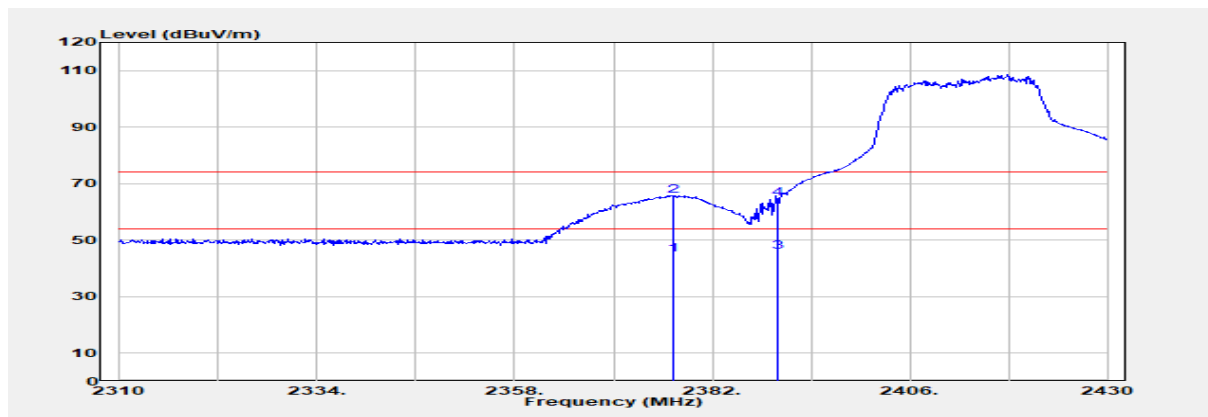
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU242/61
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2377.320	Average	47.14	-2.13	45.01	54.00	-8.99
2377.320	Peak	67.97	-2.13	65.84	74.00	-8.16
2390.000	Average	48.13	-2.15	45.98	54.00	-8.02
2390.000	Peak	66.81	-2.15	64.66	74.00	-9.34

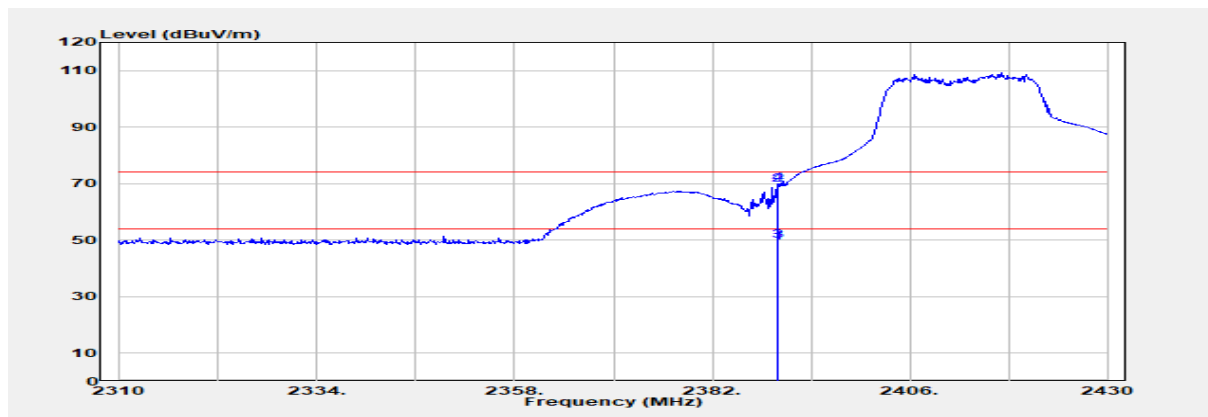
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Report Number :TERF2307001775E2
Operation Mode :802.11ax40
Test Frequency :2422 MHz
Test Mode :Bandedge RU242/61
EUT Pol :E2 Plane

Test Site :SAC C
Test Date :2023-07-28
Temp./Humi. :21.8°C/54%
Antenna Pol. :Horizontal
Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.920	Average	51.35	-2.15	49.20	54.00	-4.80
2389.920	Peak	71.82	-2.15	69.67	74.00	-4.33
2390.000	Average	51.75	-2.15	49.60	54.00	-4.40
2390.000	Peak	72.04	-2.15	69.89	74.00	-4.11

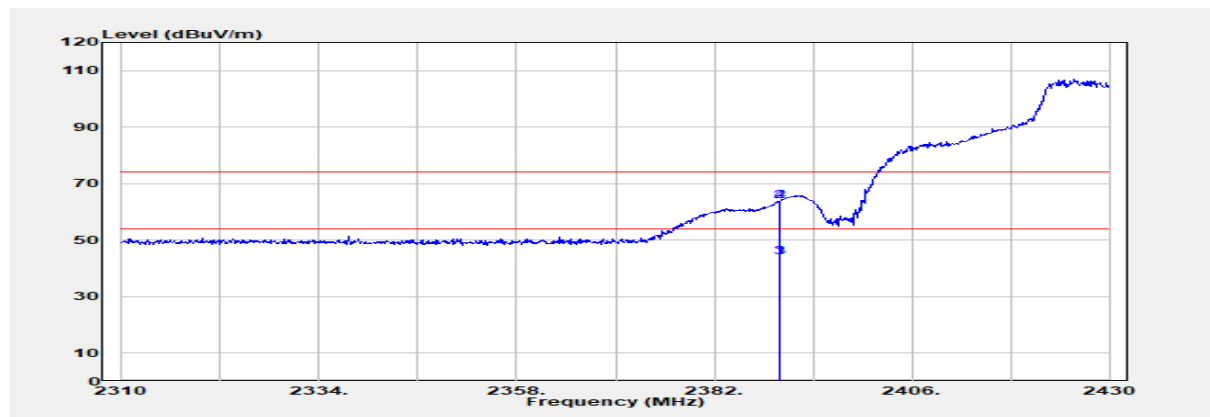
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU242/62
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.920	Average	46.00	-2.15	43.84	54.00	-10.16
2389.920	Peak	65.88	-2.15	63.73	74.00	-10.27
2390.000	Average	45.94	-2.15	43.79	54.00	-10.21
2390.000	Peak	65.91	-2.15	63.76	74.00	-10.24

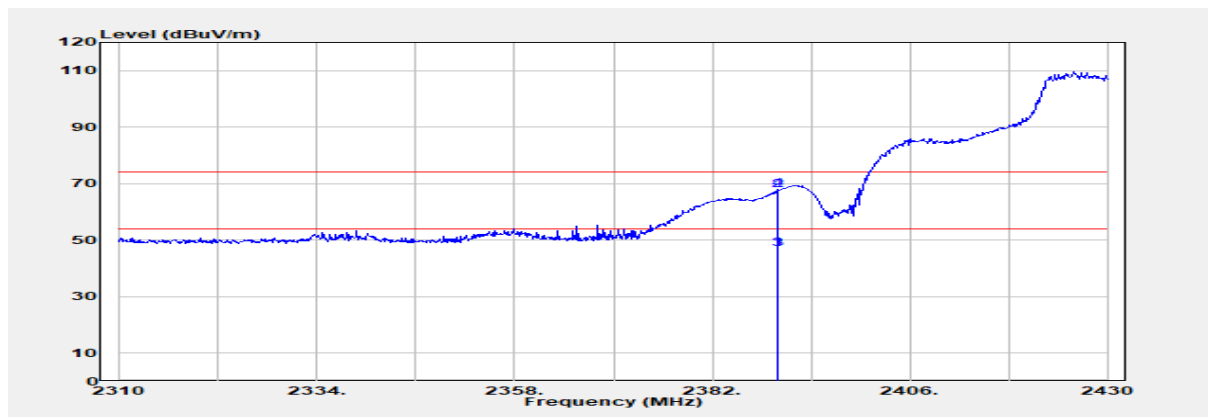
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Bandedge RU242/62
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.920	Average	48.97	-2.15	46.81	54.00	-7.19
2389.920	Peak	69.71	-2.15	67.56	74.00	-6.44
2390.000	Average	48.96	-2.15	46.80	54.00	-7.20
2390.000	Peak	69.99	-2.15	67.84	74.00	-6.16

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-27

Test Frequency :2427 MHz

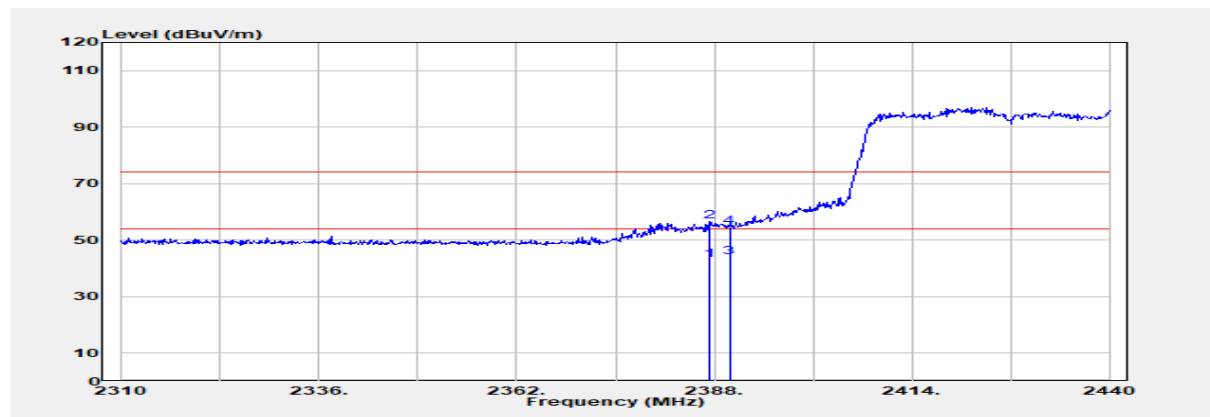
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2387.350	Average	44.96	-2.15	42.81	54.00	-11.19
2387.350	Peak	58.74	-2.15	56.59	74.00	-17.41
2390.000	Average	46.12	-2.15	43.97	54.00	-10.03
2390.000	Peak	56.66	-2.15	54.51	74.00	-19.49

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-27

Test Frequency :2427 MHz

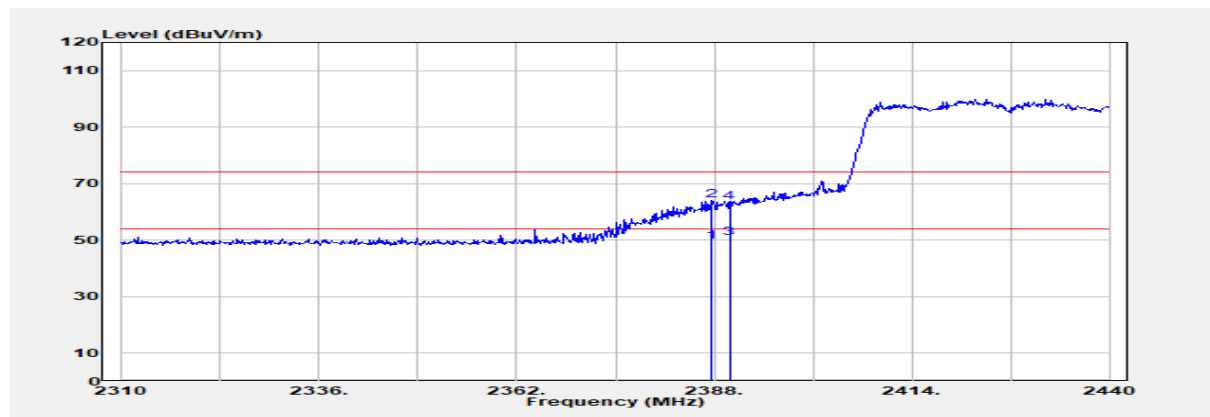
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2387.740	Average	51.46	-2.15	49.31	54.00	-4.69
2387.740	Peak	66.17	-2.15	64.02	74.00	-9.98
2390.000	Average	53.02	-2.15	50.86	54.00	-3.14
2390.000	Peak	65.68	-2.15	63.53	74.00	-10.47

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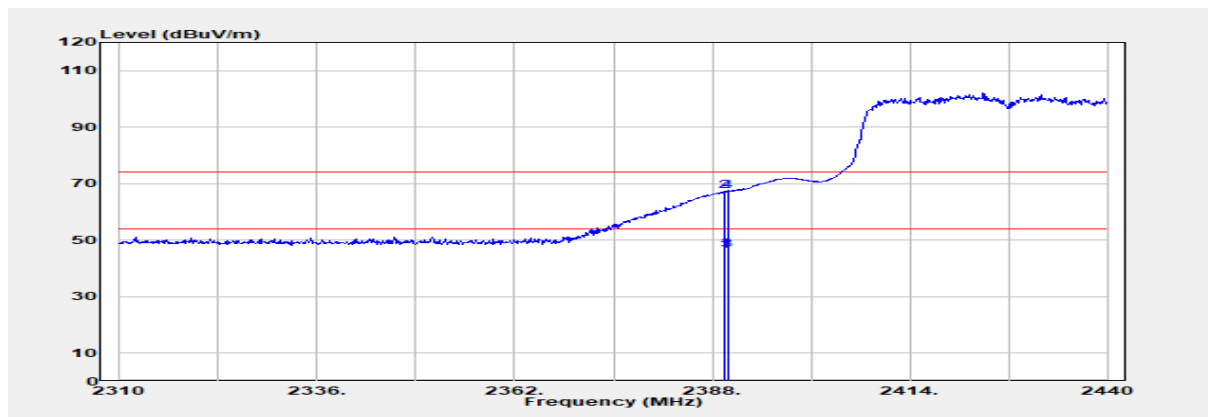
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Report Number :TERF2307001775E2
Operation Mode :802.11ax40
Test Frequency :2427 MHz
Test Mode :Bandedge FULL RU
EUT Pol :E2 Plane

Test Site :SAC C
Test Date :2023-07-27
Temp./Humi. :21.8°C/54%
Antenna Pol. :Vertical
Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.560	Average	48.41	-2.15	46.26	54.00	-7.74
2389.560	Peak	69.47	-2.15	67.32	74.00	-6.68
2390.000	Average	48.81	-2.15	46.66	54.00	-7.34
2390.000	Peak	69.57	-2.15	67.41	74.00	-6.59

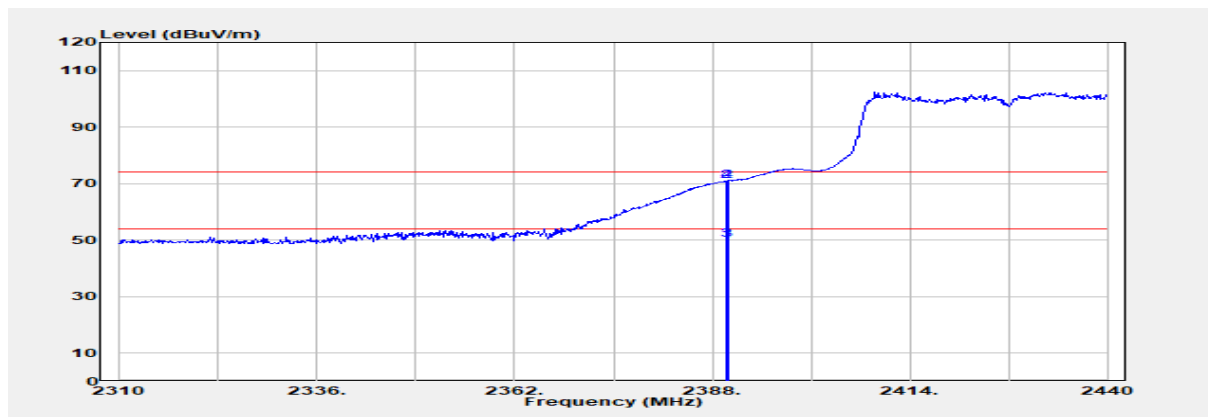
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2427 MHz
 Test Mode :Bandedge FULL RU
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-27
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.820	Average	52.05	-2.15	49.90	54.00	-4.10
2389.820	Peak	73.01	-2.15	70.86	74.00	-3.14
2390.000	Average	52.08	-2.15	49.92	54.00	-4.08
2390.000	Peak	73.13	-2.15	70.98	74.00	-3.02

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-27

Test Frequency :2432 MHz

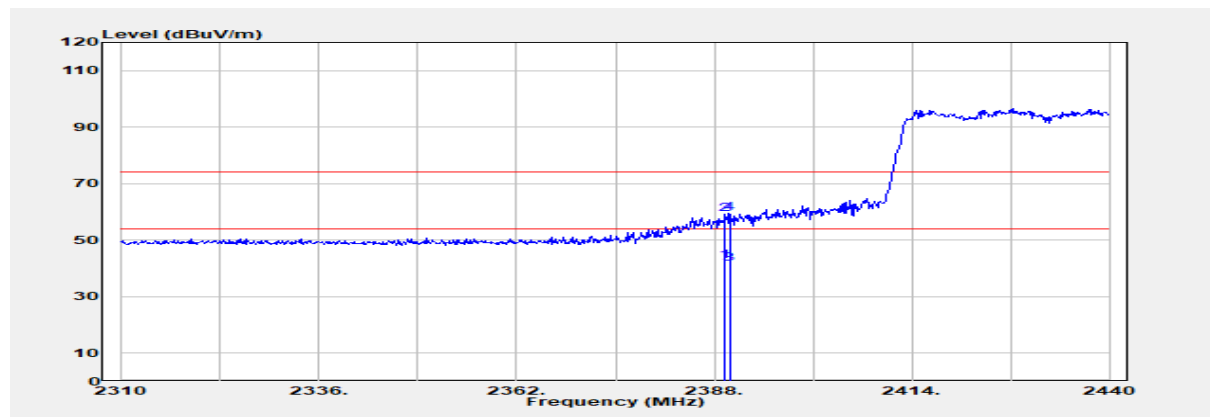
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.430	Average	44.76	-2.15	42.61	54.00	-11.39
2389.430	Peak	61.38	-2.15	59.23	74.00	-14.77
2390.000	Average	43.80	-2.15	41.65	54.00	-12.35
2390.000	Peak	61.82	-2.15	59.67	74.00	-14.33

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-27

Test Frequency :2432 MHz

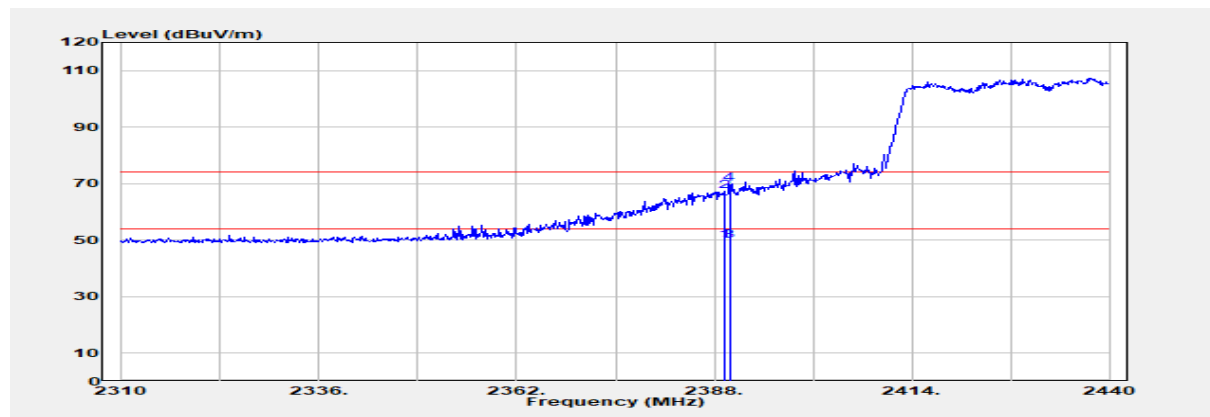
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.300	Average	51.98	-2.15	49.83	54.00	-4.17
2389.300	Peak	69.34	-2.15	67.19	74.00	-6.81
2390.000	Average	51.77	-2.15	49.61	54.00	-4.39
2390.000	Peak	72.21	-2.15	70.06	74.00	-3.94

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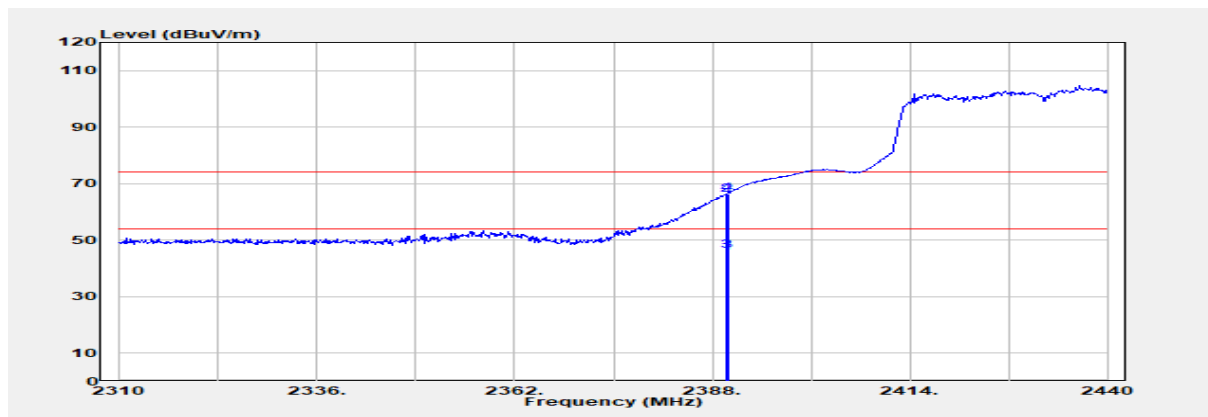
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2432 MHz
 Test Mode :Bandedge FULL RU
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-27
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.820	Average	47.82	-2.15	45.67	54.00	-8.33
2389.820	Peak	68.29	-2.15	66.14	74.00	-7.86
2390.000	Average	48.26	-2.15	46.11	54.00	-7.89
2390.000	Peak	68.52	-2.15	66.37	74.00	-7.63

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t (886-2) 2299-3279

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Member of SGS Group

Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-27

Test Frequency :2432 MHz

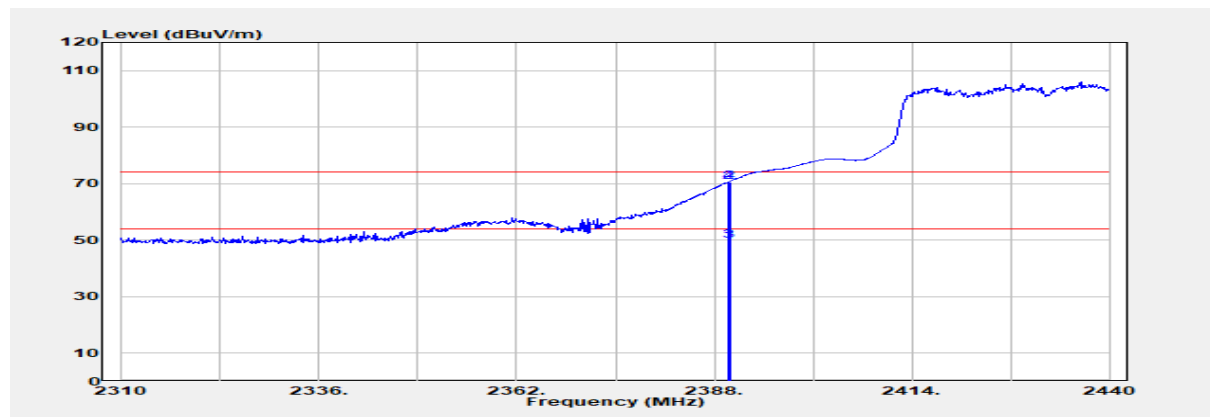
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge FULL RU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.820	Average	51.58	-2.15	49.42	54.00	-4.58
2389.820	Peak	72.69	-2.15	70.53	74.00	-3.47
2390.000	Average	51.77	-2.15	49.62	54.00	-4.38
2390.000	Peak	72.88	-2.15	70.73	74.00	-3.27

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Member of SGS Group

Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-27

Test Frequency :2437 MHz

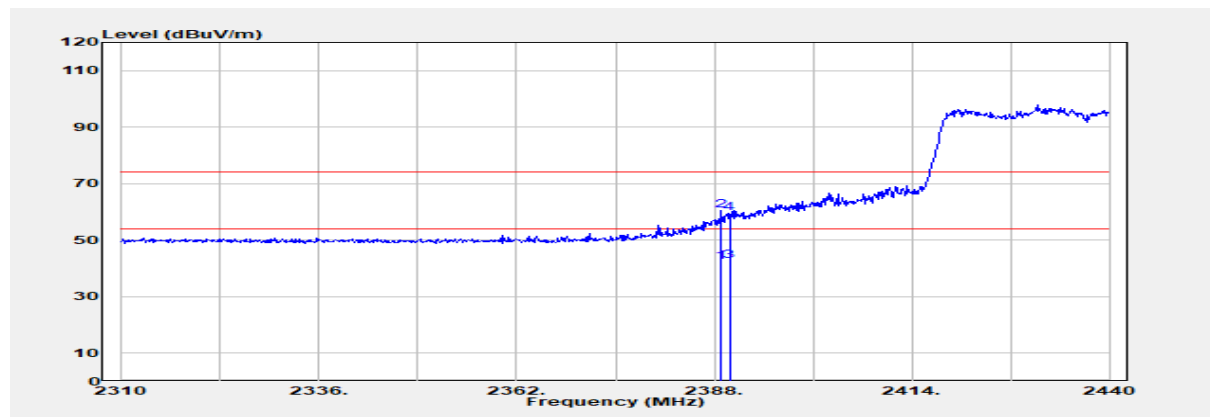
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.910	Average	44.56	-2.15	42.41	54.00	-11.59
2388.910	Peak	62.71	-2.15	60.56	74.00	-13.44
2390.000	Average	44.80	-2.15	42.65	54.00	-11.35
2390.000	Peak	61.73	-2.15	59.57	74.00	-14.43

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-27

Test Frequency :2437 MHz

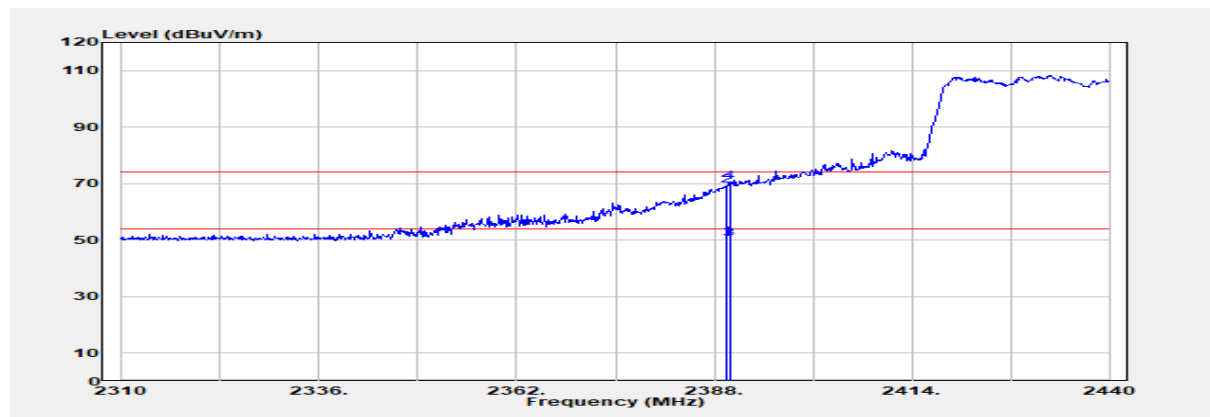
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.690	Average	52.82	-2.15	50.66	54.00	-3.34
2389.690	Peak	71.55	-2.15	69.40	74.00	-4.60
2390.000	Average	52.56	-2.15	50.40	54.00	-3.60
2390.000	Peak	72.80	-2.15	70.64	74.00	-3.36

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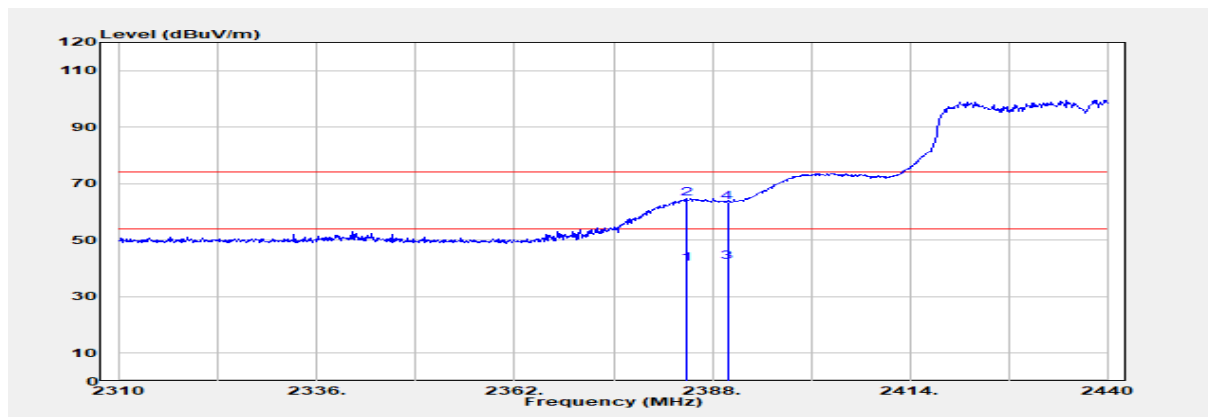
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2437 MHz
 Test Mode :Bandedge FULL RU
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



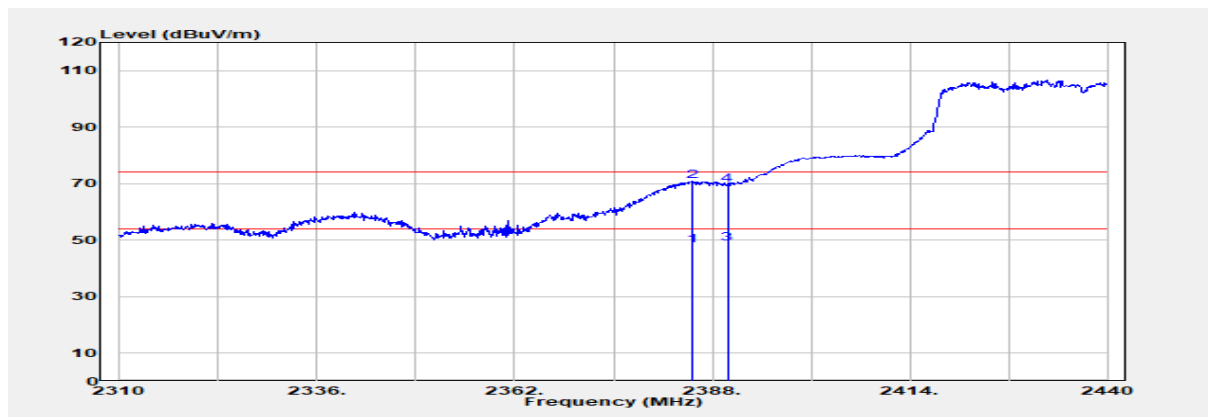
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2384.620	Average	43.78	-2.14	41.63	54.00	-12.37
2384.620	Peak	66.78	-2.14	64.63	74.00	-9.37
2390.000	Average	44.55	-2.15	42.39	54.00	-11.61
2390.000	Peak	65.72	-2.15	63.57	74.00	-10.43

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2437 MHz
 Test Mode :Bandedge FULL RU
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2385.400	Average	50.28	-2.14	48.14	54.00	-5.86
2385.400	Peak	73.06	-2.14	70.92	74.00	-3.08
2390.000	Average	51.04	-2.15	48.89	54.00	-5.11
2390.000	Peak	71.62	-2.15	69.46	74.00	-4.54

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-27

Test Frequency :2442 MHz

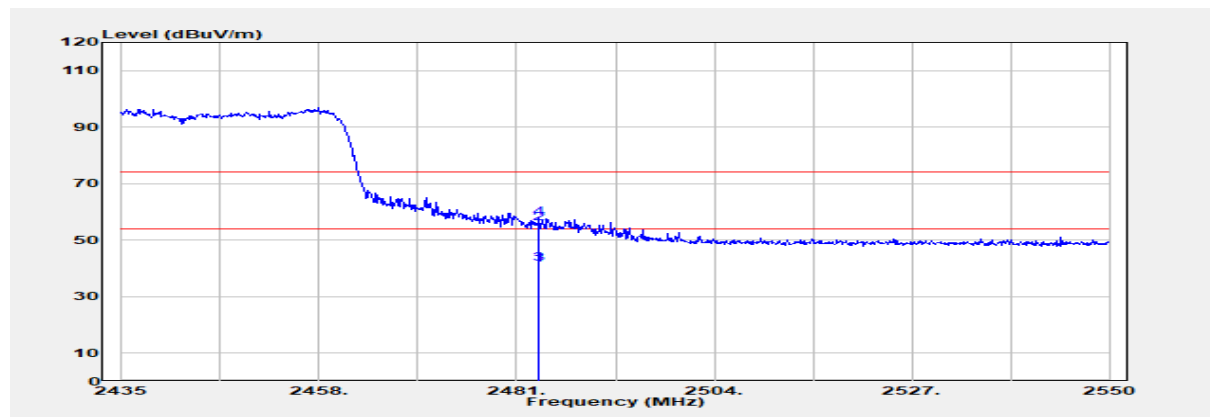
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	43.52	-2.06	41.46	54.00	-12.54
2483.500	Peak	57.96	-2.06	55.91	74.00	-18.09
2483.645	Average	43.62	-2.06	41.57	54.00	-12.43
2483.645	Peak	59.92	-2.06	57.86	74.00	-16.14

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2442 MHz

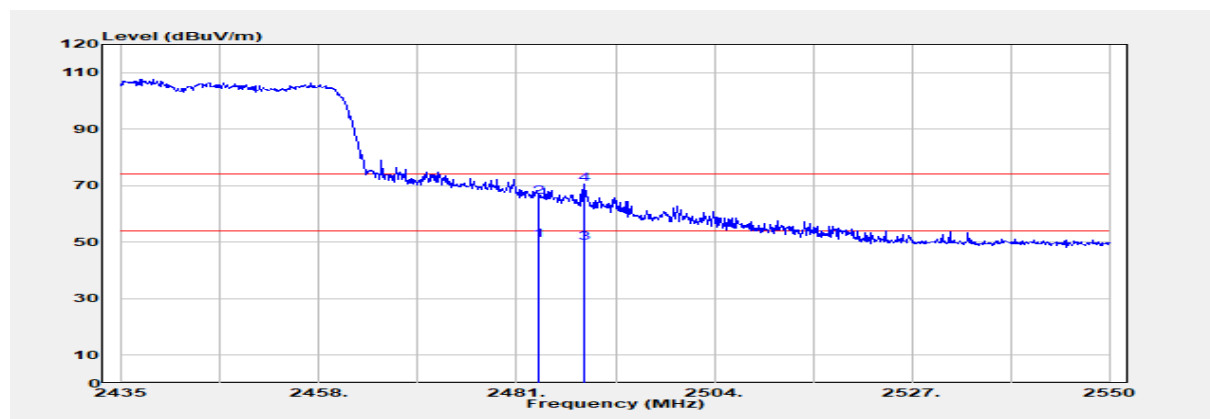
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	52.92	-2.06	50.86	54.00	-3.14
2483.500	Peak	68.13	-2.06	66.07	74.00	-7.93
2488.935	Average	51.87	-2.06	49.81	54.00	-4.19
2488.935	Peak	72.69	-2.06	70.63	74.00	-3.37

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-28

Test Frequency :2442 MHz

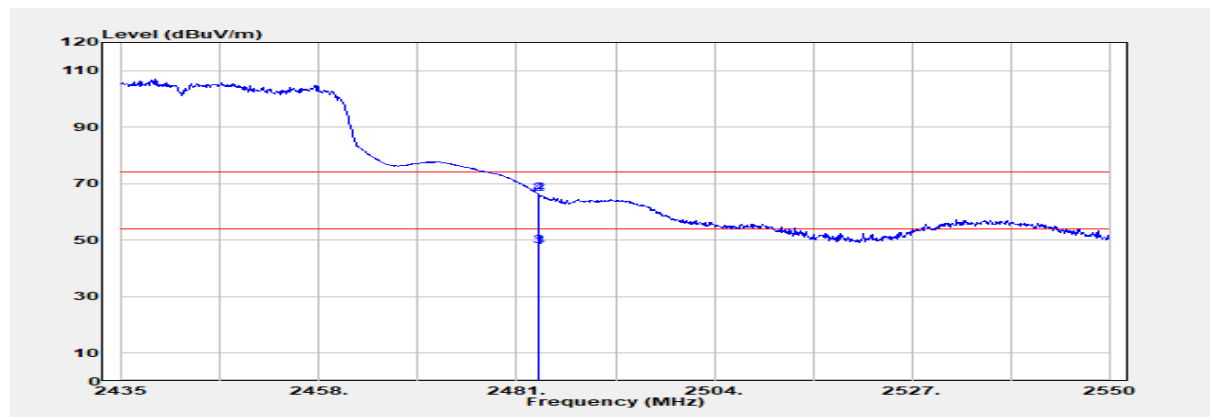
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge FULL RU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	49.62	-2.06	47.56	54.00	-6.44
2483.500	Peak	68.46	-2.06	66.40	74.00	-7.60
2483.530	Average	49.77	-2.06	47.71	54.00	-6.29
2483.530	Peak	68.46	-2.06	66.40	74.00	-7.60

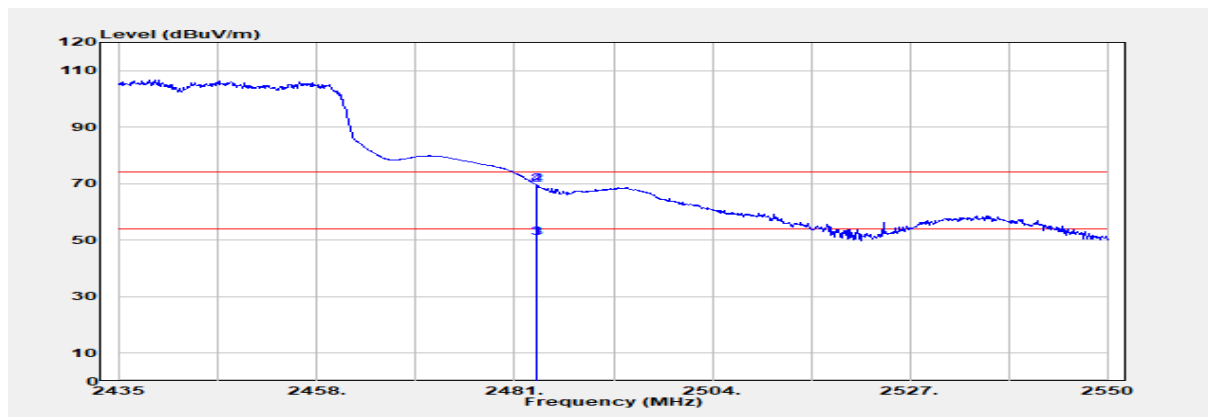
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2442 MHz
 Test Mode :Bandedge FULL RU
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	52.80	-2.06	50.74	54.00	-3.26
2483.500	Peak	71.71	-2.06	69.65	74.00	-4.35
2483.530	Average	52.92	-2.06	50.87	54.00	-3.13
2483.530	Peak	71.71	-2.06	69.65	74.00	-4.35

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-27

Test Frequency :2447 MHz

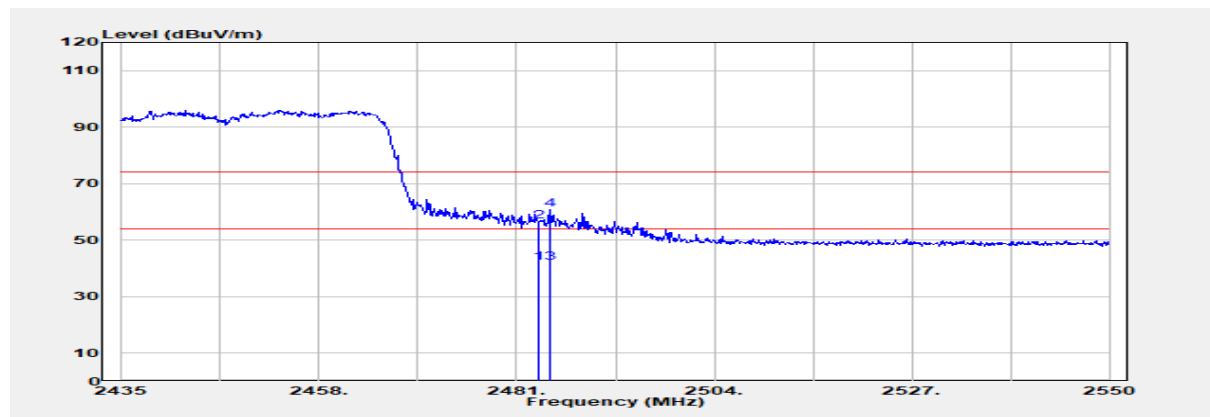
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	43.96	-2.06	41.90	54.00	-12.10
2483.500	Peak	58.69	-2.06	56.64	74.00	-17.36
2484.910	Average	44.13	-2.06	42.07	54.00	-11.93
2484.910	Peak	62.94	-2.06	60.88	74.00	-13.12

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-27

Test Frequency :2447 MHz

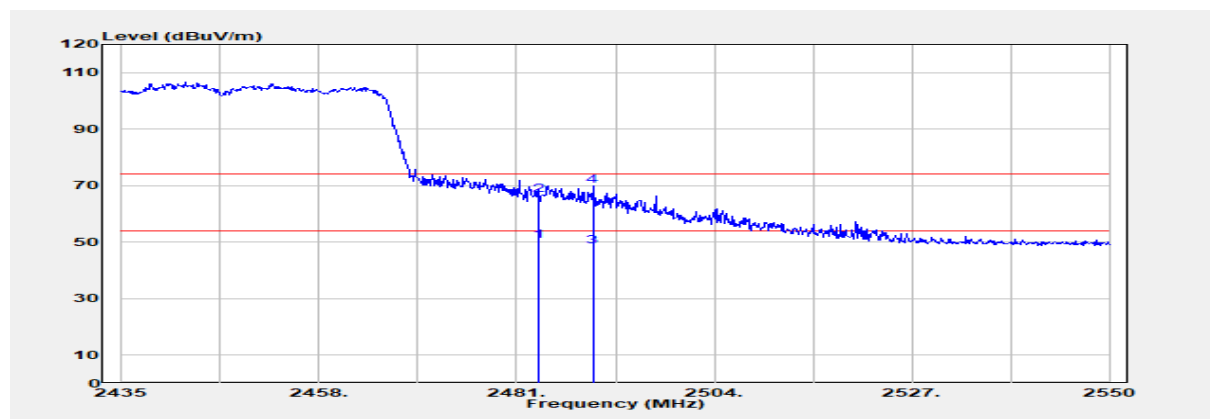
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	52.53	-2.06	50.47	54.00	-3.53
2483.500	Peak	68.67	-2.06	66.61	74.00	-7.39
2489.855	Average	50.36	-2.06	48.30	54.00	-5.70
2489.855	Peak	72.04	-2.06	69.98	74.00	-4.02

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-28

Test Frequency :2447 MHz

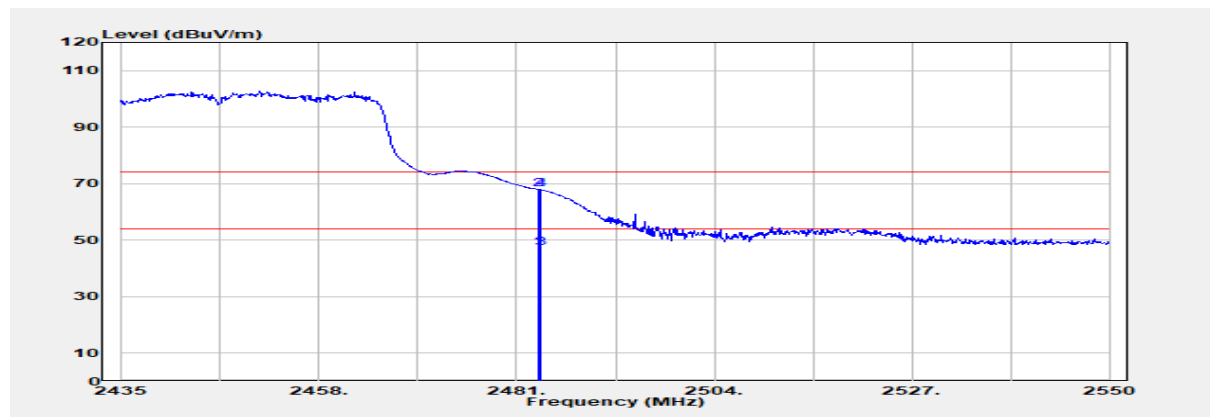
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge FULL RU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	49.27	-2.06	47.21	54.00	-6.79
2483.500	Peak	69.90	-2.06	67.84	74.00	-6.16
2483.760	Average	49.30	-2.06	47.24	54.00	-6.76
2483.760	Peak	70.03	-2.06	67.98	74.00	-6.02

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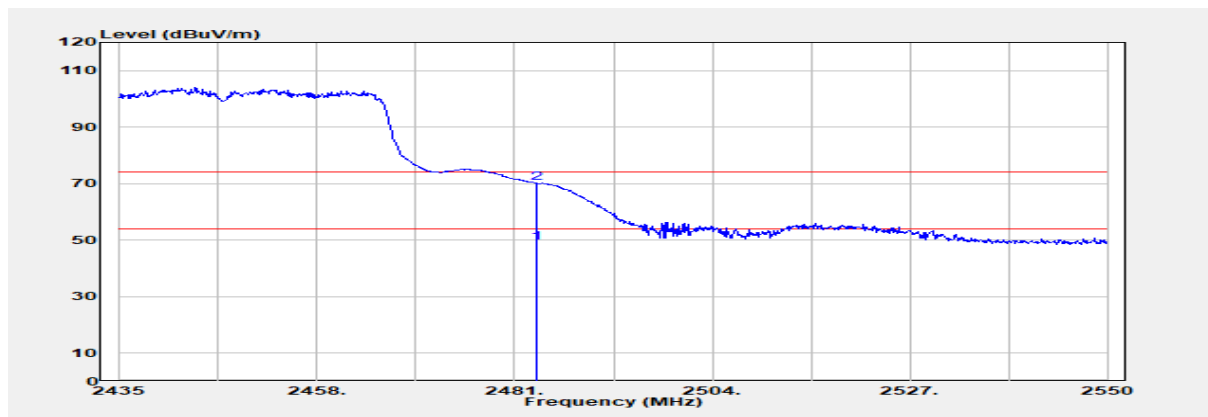
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Member of SGS Group

Report Number :TERF2307001775E2
Operation Mode :802.11ax40
Test Frequency :2447 MHz
Test Mode :Bandedge FULL RU
EUT Pol :E2 Plane

Test Site :SAC C
Test Date :2023-07-28
Temp./Humi. :21.8°C/54%
Antenna Pol. :Horizontal
Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	51.18	-2.06	49.12	54.00	-4.88
2483.500	Peak	72.33	-2.06	70.27	74.00	-3.73

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-27

Test Frequency :2452 MHz

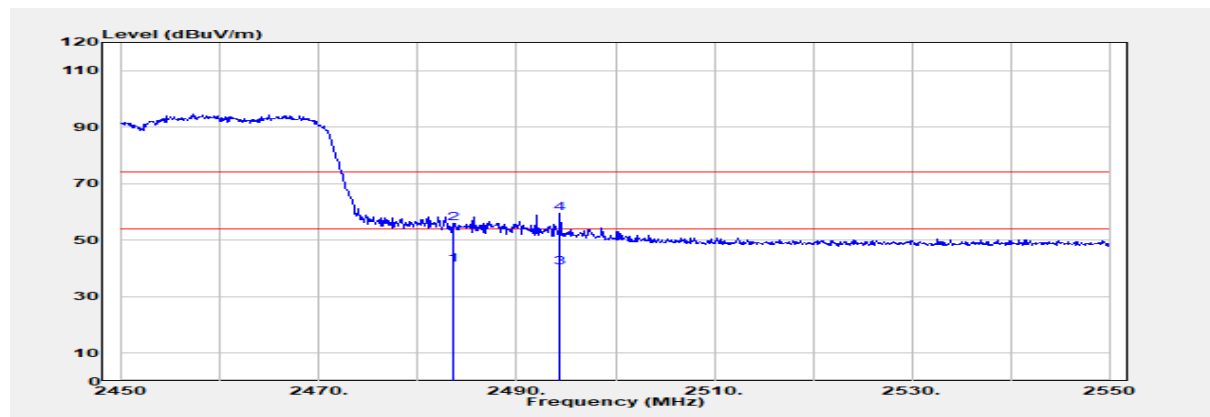
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	43.43	-2.06	41.38	54.00	-12.62
2483.500	Peak	57.93	-2.06	55.87	74.00	-18.13
2494.400	Average	42.51	-2.07	40.44	54.00	-13.56
2494.400	Peak	61.48	-2.07	59.42	74.00	-14.58

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-27

Test Frequency :2452 MHz

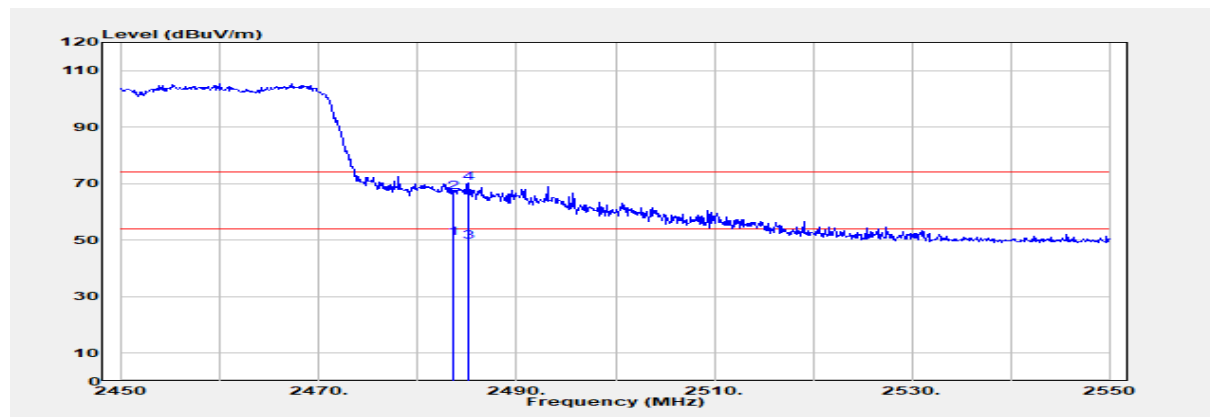
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge SU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	52.80	-2.06	50.75	54.00	-3.25
2483.500	Peak	69.18	-2.06	67.13	74.00	-6.87
2485.100	Average	51.39	-2.06	49.34	54.00	-4.66
2485.100	Peak	72.22	-2.06	70.16	74.00	-3.84

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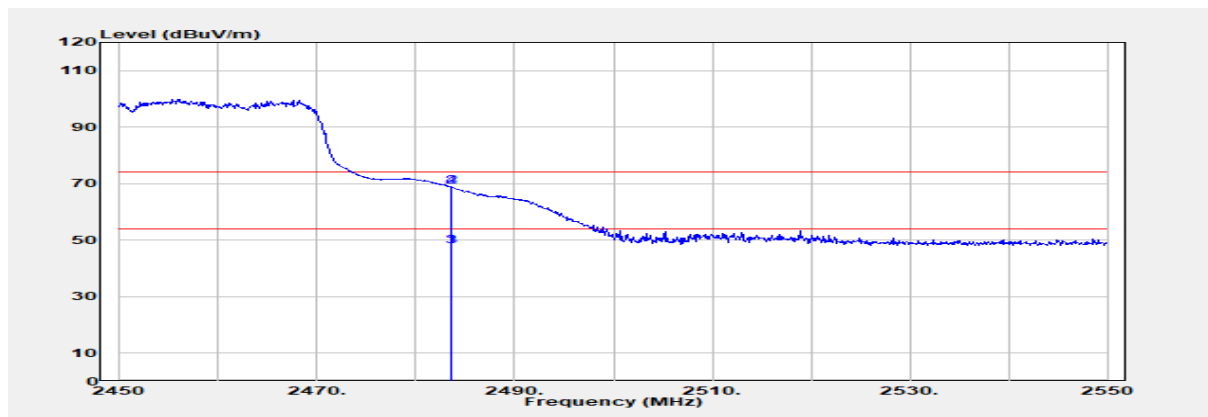
f (886-2) 2298-0488

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Report Number :TERF2307001775E2
Operation Mode :802.11ax40
Test Frequency :2452 MHz
Test Mode :Bandedge FULL RU
EUT Pol :E2 Plane

Test Site :SAC C
Test Date :2023-07-28
Temp./Humi. :21.8°C/54%
Antenna Pol. :Vertical
Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	49.81	-2.06	47.75	54.00	-6.25
2483.500	Peak	70.87	-2.06	68.81	74.00	-5.19
2483.600	Average	49.77	-2.06	47.72	54.00	-6.28
2483.600	Peak	70.84	-2.06	68.79	74.00	-5.21

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-28

Test Frequency :2452 MHz

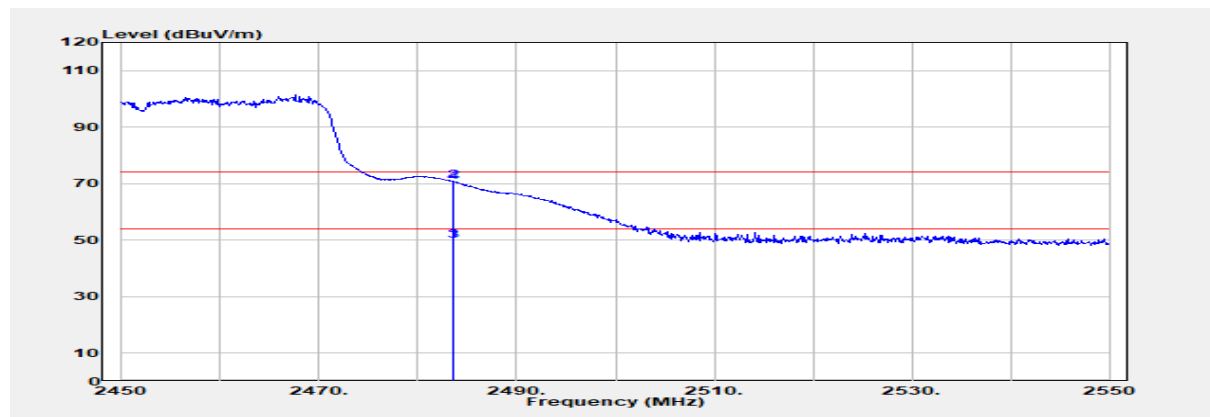
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge FULL RU

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	51.68	-2.06	49.62	54.00	-4.38
2483.500	Peak	72.91	-2.06	70.85	74.00	-3.15
2483.600	Average	51.70	-2.06	49.64	54.00	-4.36
2483.600	Peak	72.79	-2.06	70.73	74.00	-3.27

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-28

Test Frequency :2452 MHz

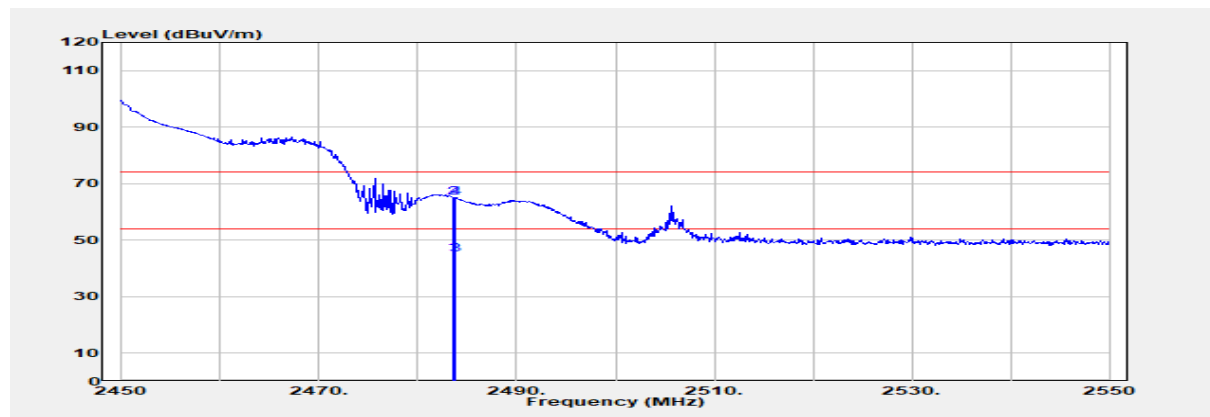
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge RU26/0

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	47.16	-2.06	45.11	54.00	-8.89
2483.500	Peak	67.17	-2.06	65.12	74.00	-8.88
2483.700	Average	46.84	-2.06	44.79	54.00	-9.21
2483.700	Peak	67.10	-2.06	65.05	74.00	-8.95

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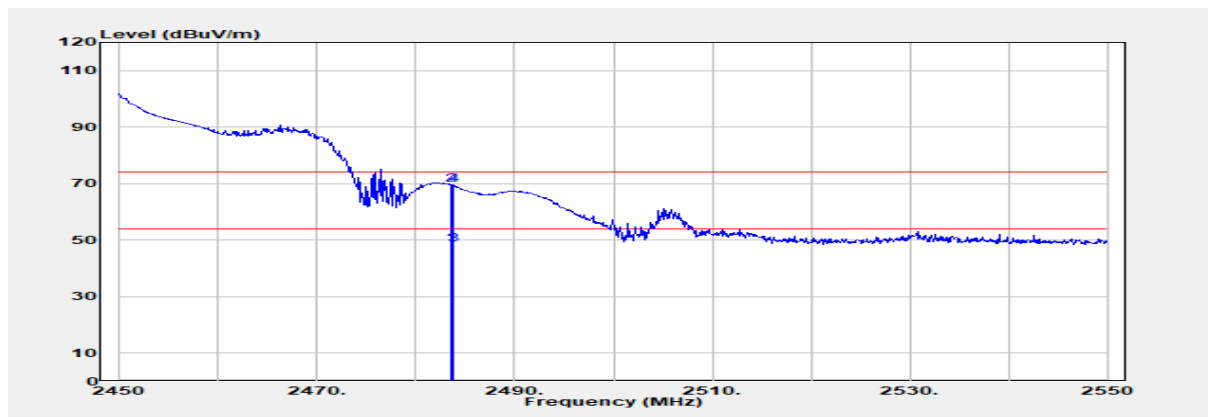
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU26/0
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	50.58	-2.06	48.52	54.00	-5.48
2483.500	Peak	71.54	-2.06	69.49	74.00	-4.51
2483.800	Average	50.45	-2.06	48.39	54.00	-5.61
2483.800	Peak	71.49	-2.06	69.44	74.00	-4.56

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-28

Test Frequency :2452 MHz

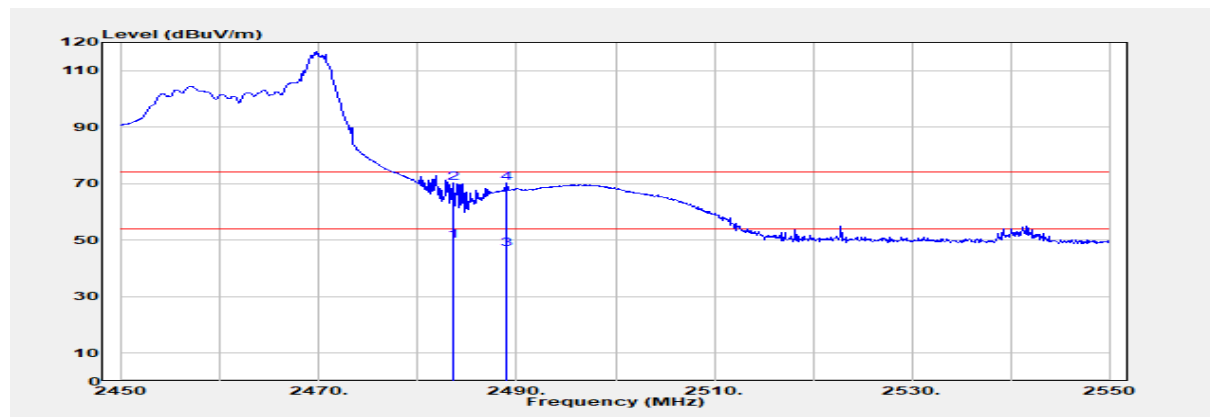
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge RU26/17

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	51.97	-2.06	49.91	54.00	-4.09
2483.500	Peak	72.43	-2.06	70.37	74.00	-3.63
2488.900	Average	48.77	-2.06	46.71	54.00	-7.29
2488.900	Peak	72.37	-2.06	70.31	74.00	-3.69

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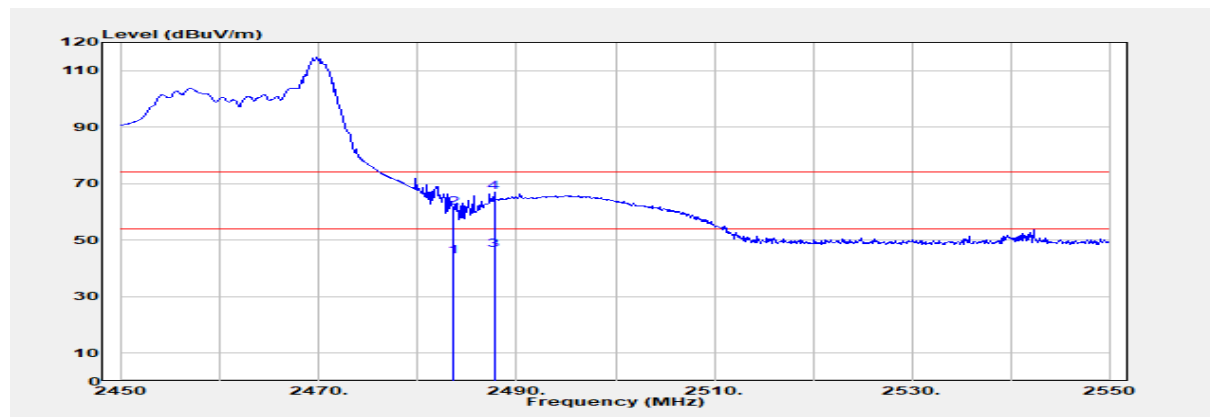
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU26/17
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	46.34	-2.06	44.28	54.00	-9.72
2483.500	Peak	63.59	-2.06	61.53	74.00	-12.47
2487.700	Average	48.71	-2.06	46.65	54.00	-7.35
2487.700	Peak	69.07	-2.06	67.01	74.00	-6.99

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-28

Test Frequency :2452 MHz

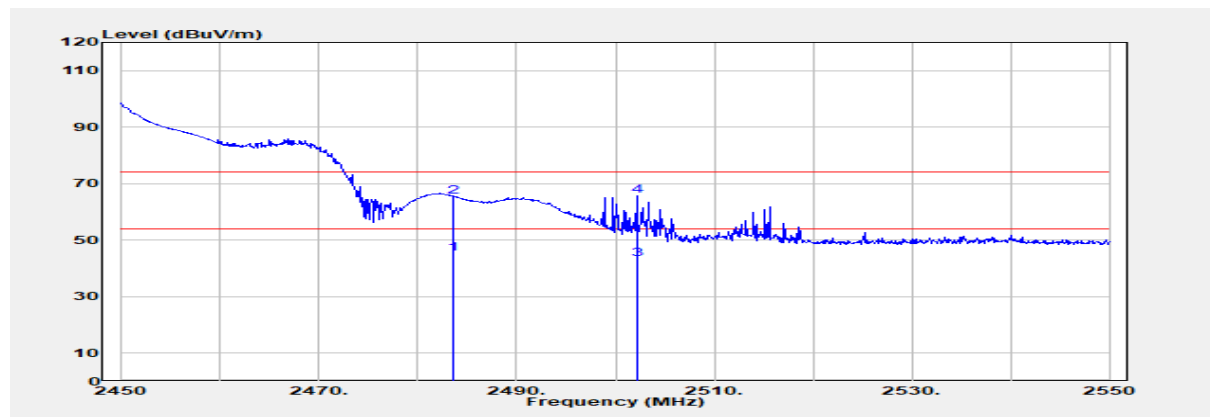
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge RU52/37

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	47.16	-2.06	45.10	54.00	-8.90
2483.500	Peak	67.57	-2.06	65.51	74.00	-8.49
2502.200	Average	45.22	-2.08	43.14	54.00	-10.86
2502.200	Peak	67.92	-2.08	65.84	74.00	-8.16

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t (886-2) 2299-3279

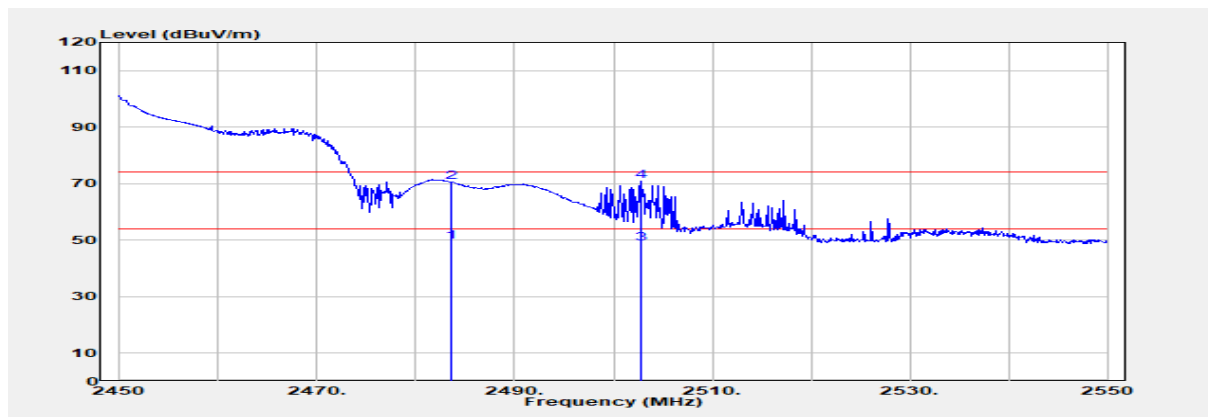
f (886-2) 2298-0488

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU52/37
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



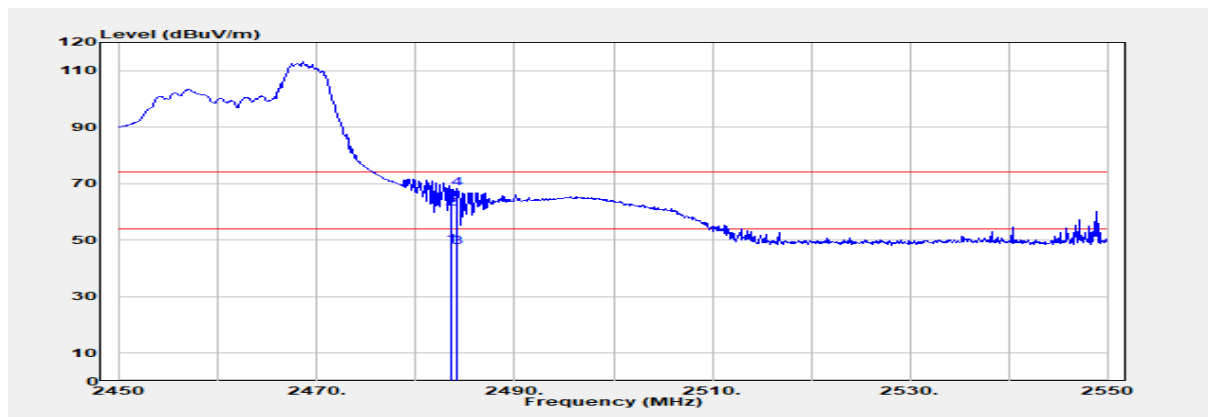
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	51.43	-2.06	49.37	54.00	-4.63
2483.500	Peak	72.54	-2.06	70.48	74.00	-3.52
2502.700	Average	51.02	-2.08	48.94	54.00	-5.06
2502.700	Peak	72.85	-2.08	70.77	74.00	-3.23

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU52/44
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :21.8°C/54%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	50.14	-2.06	48.08	54.00	-5.92
2483.500	Peak	63.19	-2.06	61.14	74.00	-12.86
2484.200	Average	49.43	-2.06	47.38	54.00	-6.62
2484.200	Peak	70.45	-2.06	68.39	74.00	-5.61

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-07-28

Test Frequency :2452 MHz

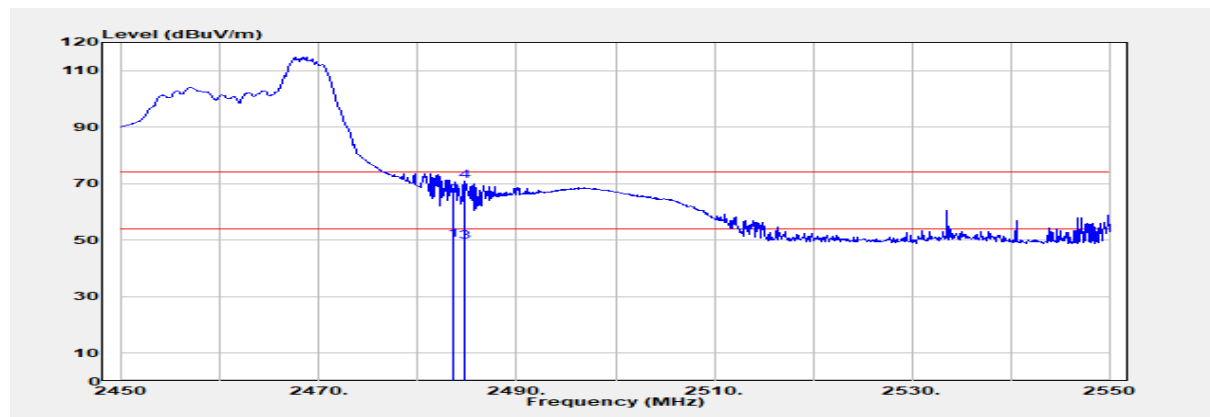
Temp./Humi. :21.8°C/54%

Test Mode :Bandedge RU52/44

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



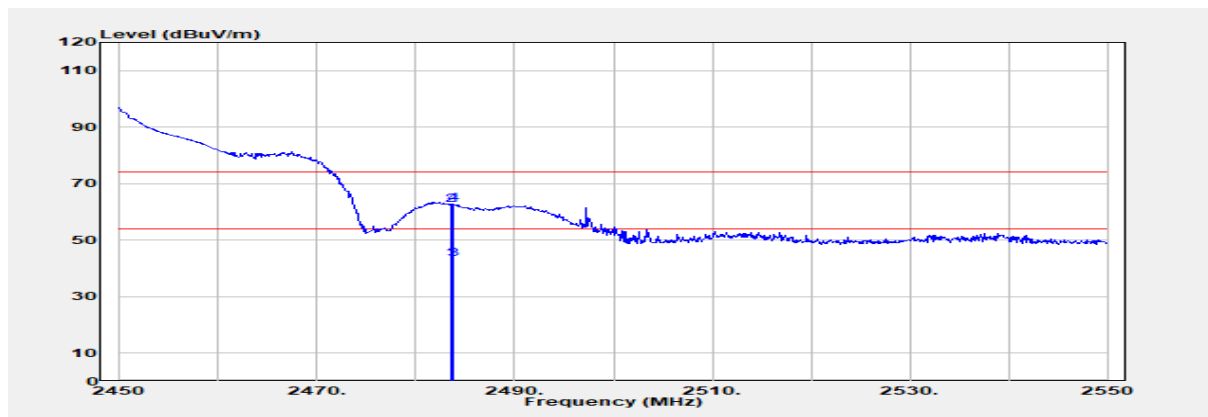
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	52.03	-2.06	49.98	54.00	-4.02
2483.500	Peak	67.78	-2.06	65.73	74.00	-8.27
2484.800	Average	51.51	-2.06	49.45	54.00	-4.55
2484.800	Peak	72.83	-2.06	70.77	74.00	-3.23

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU106/53
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :22.2°C/60%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	45.23	-2.06	43.18	54.00	-10.82
2483.500	Peak	64.60	-2.06	62.54	74.00	-11.46
2483.700	Average	45.24	-2.06	43.18	54.00	-10.82
2483.700	Peak	64.72	-2.06	62.66	74.00	-11.34

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t (886-2) 2299-3279

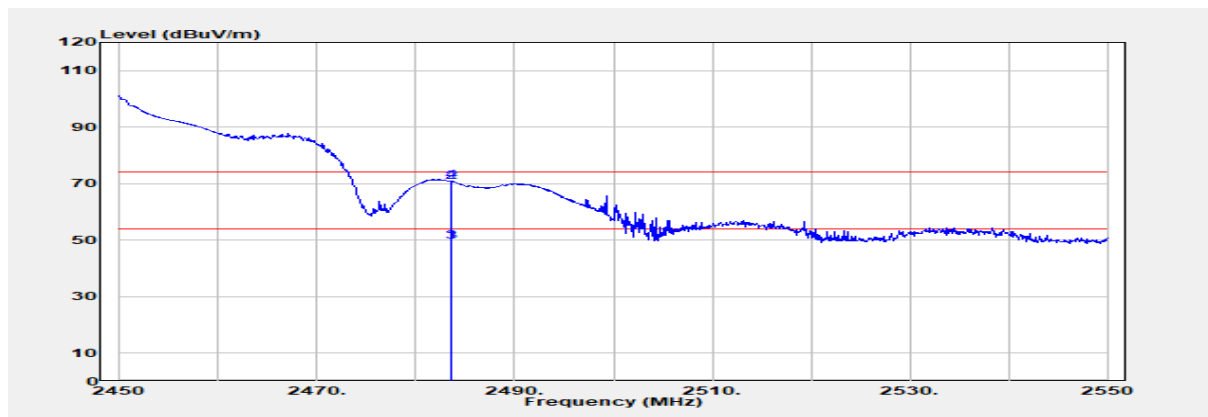
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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU106/53
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :22.2°C/60%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



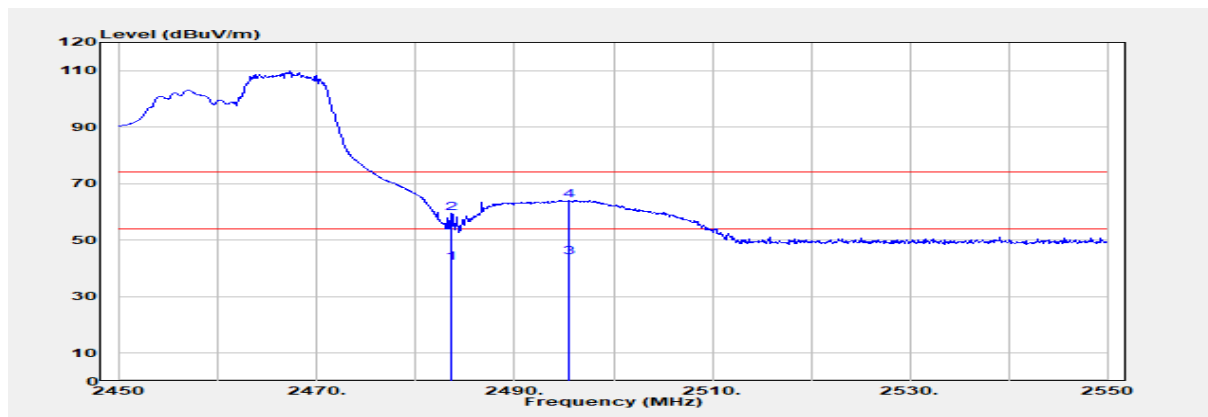
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	51.41	-2.06	49.35	54.00	-4.65
2483.500	Peak	72.73	-2.06	70.67	74.00	-3.33
2483.600	Average	51.62	-2.06	49.56	54.00	-4.44
2483.600	Peak	73.01	-2.06	70.95	74.00	-3.05

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU106/56
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :22.2°C/60%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



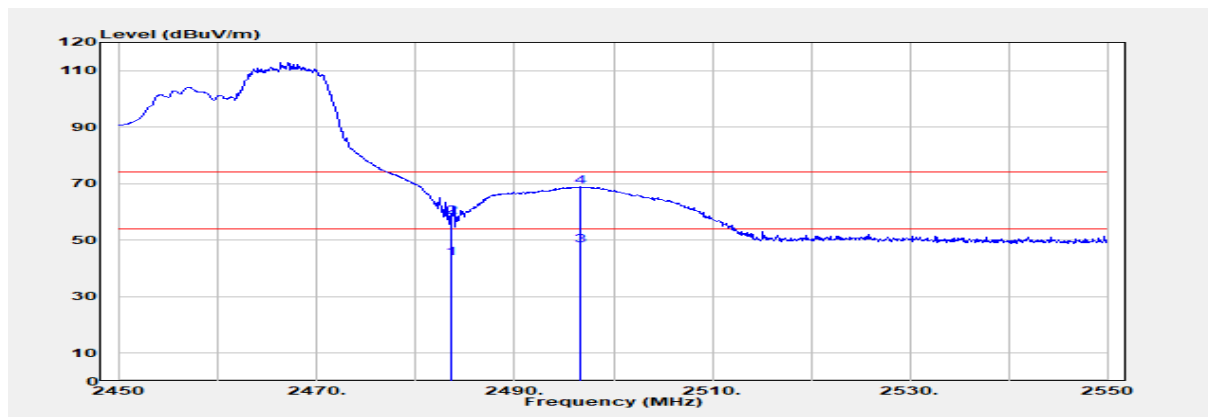
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	44.14	-2.06	42.08	54.00	-11.92
2483.500	Peak	61.69	-2.06	59.64	74.00	-14.36
2495.500	Average	45.98	-2.07	43.92	54.00	-10.08
2495.500	Peak	66.21	-2.07	64.14	74.00	-9.86

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU106/56
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :22.2°C/60%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



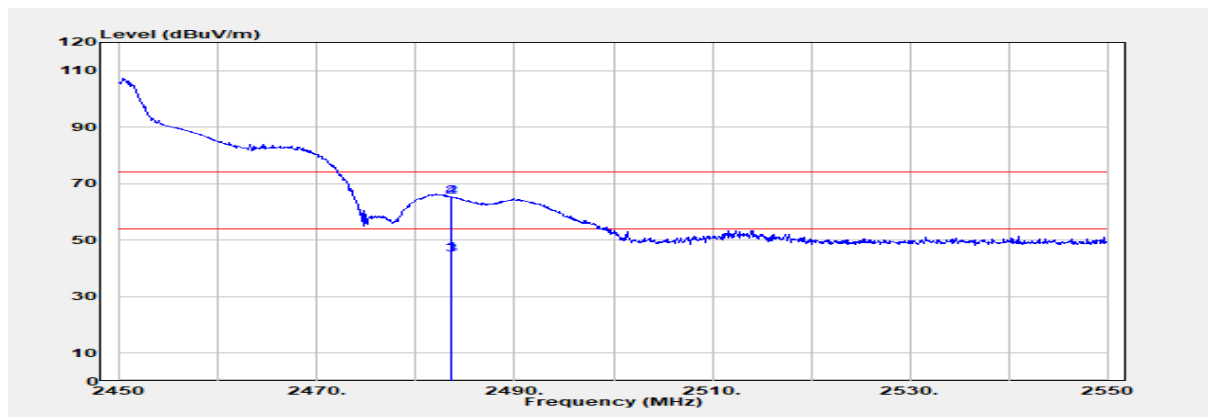
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	45.75	-2.06	43.69	54.00	-10.31
2483.500	Peak	60.18	-2.06	58.12	74.00	-15.88
2496.700	Average	50.07	-2.07	48.01	54.00	-5.99
2496.700	Peak	71.16	-2.07	69.10	74.00	-4.90

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU242/61
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :22.2°C/60%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



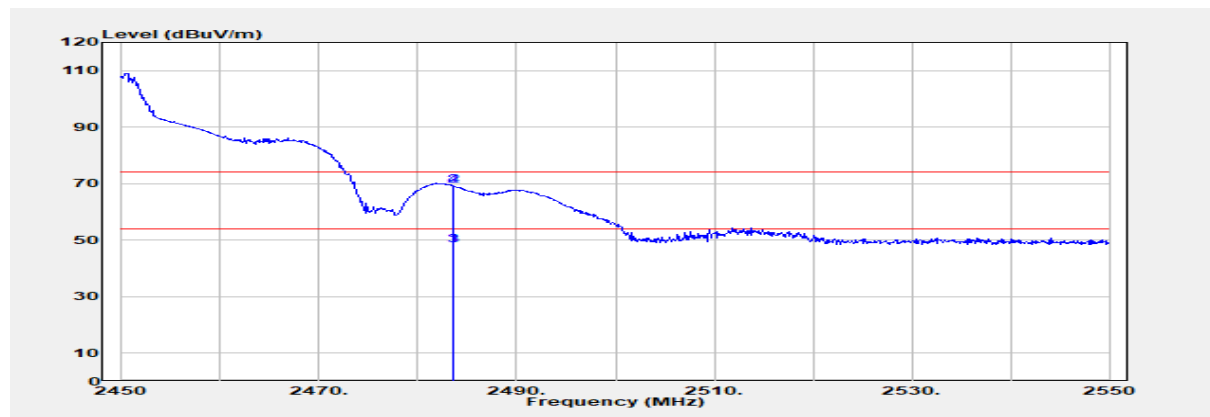
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	47.21	-2.06	45.15	54.00	-8.85
2483.500	Peak	67.42	-2.06	65.36	74.00	-8.64
2483.600	Average	47.07	-2.06	45.02	54.00	-8.98
2483.600	Peak	67.35	-2.06	65.29	74.00	-8.71

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU242/61
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :22.2°C/60%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



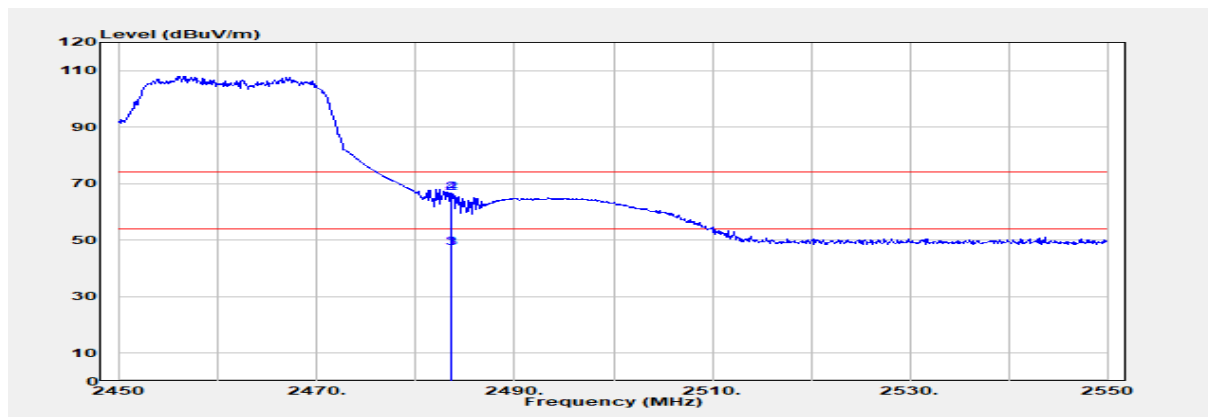
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	50.19	-2.06	48.14	54.00	-5.86
2483.500	Peak	71.25	-2.06	69.19	74.00	-4.81
2483.600	Average	50.18	-2.06	48.12	54.00	-5.88
2483.600	Peak	71.29	-2.06	69.23	74.00	-4.77

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU242/62
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :22.2°C/60%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



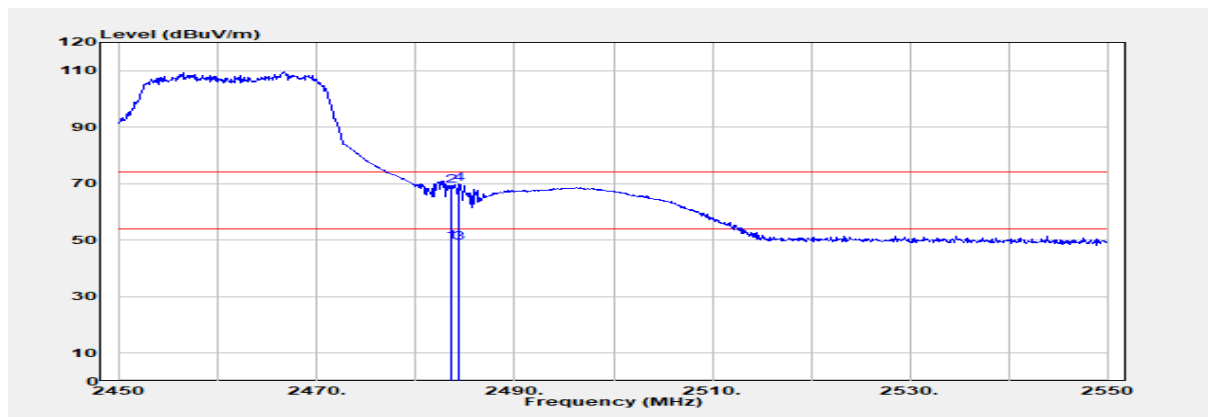
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	49.24	-2.06	47.18	54.00	-6.82
2483.500	Peak	68.86	-2.06	66.80	74.00	-7.20
2483.600	Average	49.10	-2.06	47.05	54.00	-6.95
2483.600	Peak	68.61	-2.06	66.56	74.00	-7.44

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Report Number :TERF2307001775E2
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge RU242/62
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-07-28
 Temp./Humi. :22.2°C/60%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	51.48	-2.06	49.43	54.00	-4.57
2483.500	Peak	71.21	-2.06	69.15	74.00	-4.85
2484.400	Average	51.17	-2.06	49.11	54.00	-4.89
2484.400	Peak	71.85	-2.06	69.79	74.00	-4.21

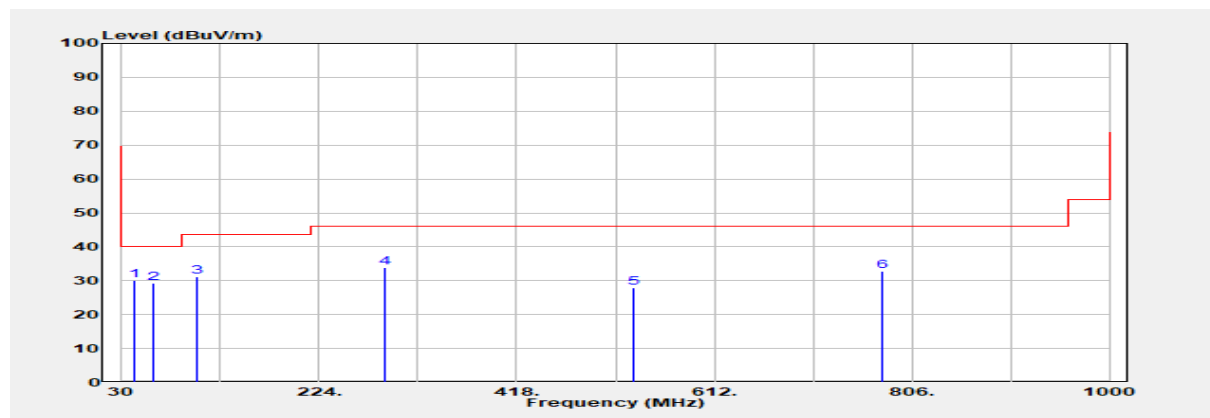
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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11.6.2 Spurious Emission: ANT0(monopole)

Report Number :TERF2307001775E2
 Operation Mode :802.11ac20
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC C
 Test Date :2023-08-01
 Temp./Humi. :22.9°C/52%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
42.610	Peak	43.83	-13.84	29.99	40.00	-10.01
61.040	Peak	43.60	-14.25	29.35	40.00	-10.65
103.720	Peak	48.44	-17.33	31.12	43.50	-12.38
288.020	Peak	46.85	-12.96	33.90	46.00	-12.10
532.460	Peak	34.41	-6.43	27.98	46.00	-18.02
776.900	Peak	34.16	-1.28	32.88	46.00	-13.12

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-08-01

Test Frequency :2437 MHz

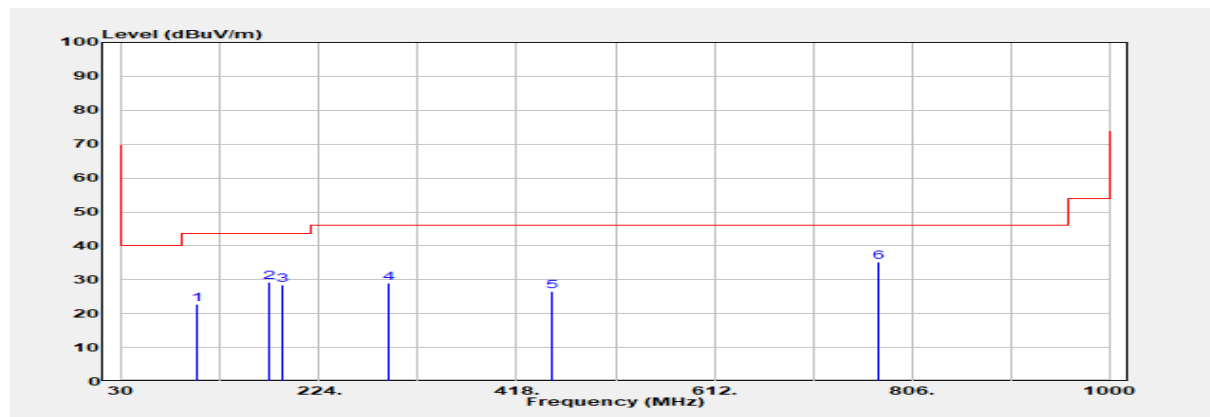
Temp./Humi. :22.9°C/52%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
103.720	Peak	40.13	-17.33	22.81	43.50	-20.69
175.500	Peak	43.71	-14.35	29.36	43.50	-14.14
188.110	Peak	44.04	-15.62	28.42	43.50	-15.08
292.870	Peak	41.92	-12.91	29.01	46.00	-16.99
452.920	Peak	35.18	-8.50	26.69	46.00	-19.31
773.990	Peak	36.45	-1.28	35.17	46.00	-10.83

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台灣檢驗科技股份有限公司

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Member of SGS Group

Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2437 MHz

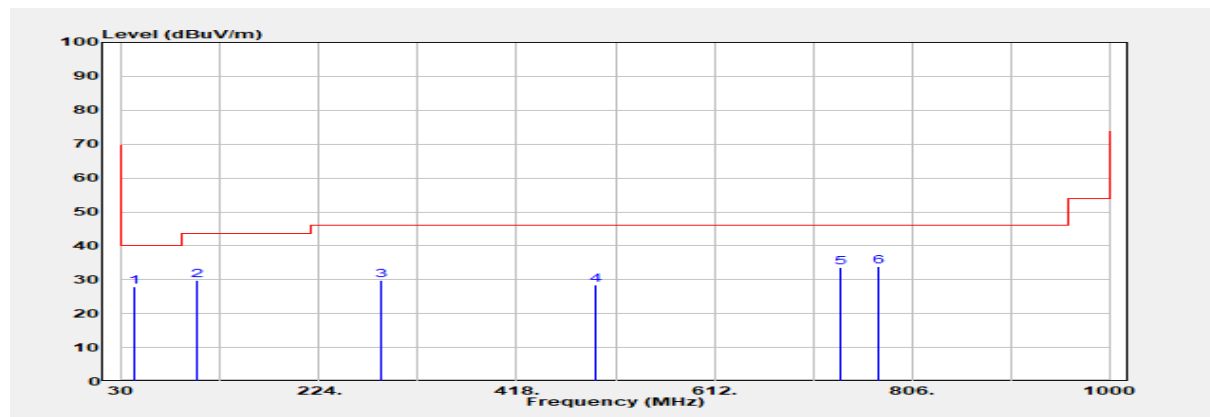
Temp./Humi. :22.9°C/52%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
41.640	Peak	41.92	-14.02	27.90	40.00	-12.10
103.720	Peak	47.18	-17.33	29.85	43.50	-13.65
285.110	Peak	42.86	-12.95	29.91	46.00	-16.09
494.630	Peak	35.78	-7.44	28.34	46.00	-17.66
736.160	Peak	36.46	-2.78	33.67	46.00	-12.33
773.990	Peak	35.03	-1.28	33.75	46.00	-12.25

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2437 MHz

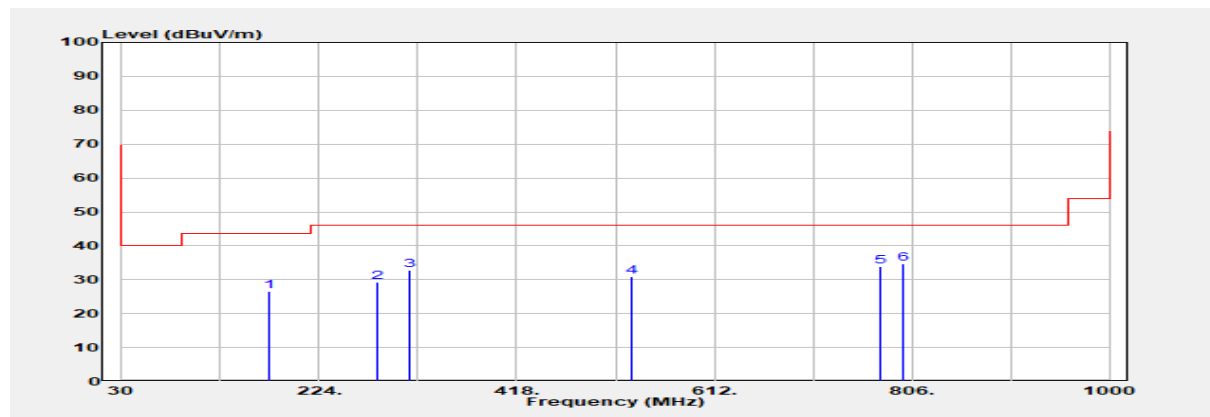
Temp./Humi. :22.9°C/52%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
175.500	Peak	41.03	-14.35	26.68	43.50	-16.82
281.230	Peak	42.44	-13.21	29.24	46.00	-16.76
313.240	Peak	44.81	-12.00	32.81	46.00	-13.19
531.490	Peak	37.39	-6.39	31.00	46.00	-15.00
775.930	Peak	35.12	-1.31	33.82	46.00	-12.18
798.240	Peak	36.78	-2.07	34.70	46.00	-11.30

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-08-01

Test Frequency :2412 MHz

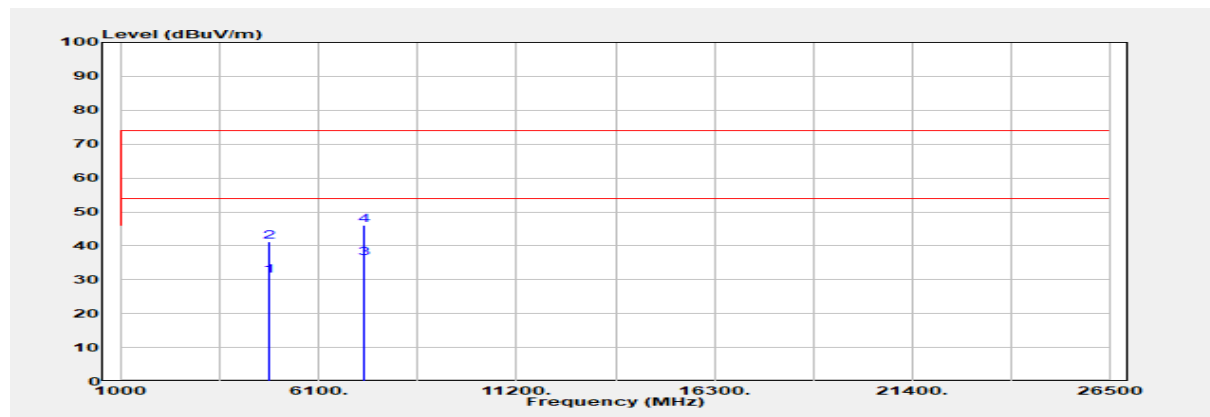
Temp./Humi. :22.9/59

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4824.000	Average	27.90	3.35	31.25	54.00	-22.75
4824.000	Peak	37.78	3.35	41.13	74.00	-32.87
7236.000	Average	25.95	10.34	36.29	54.00	-17.71
7236.000	Peak	35.72	10.34	46.06	74.00	-27.94

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-08-01

Test Frequency :2412 MHz

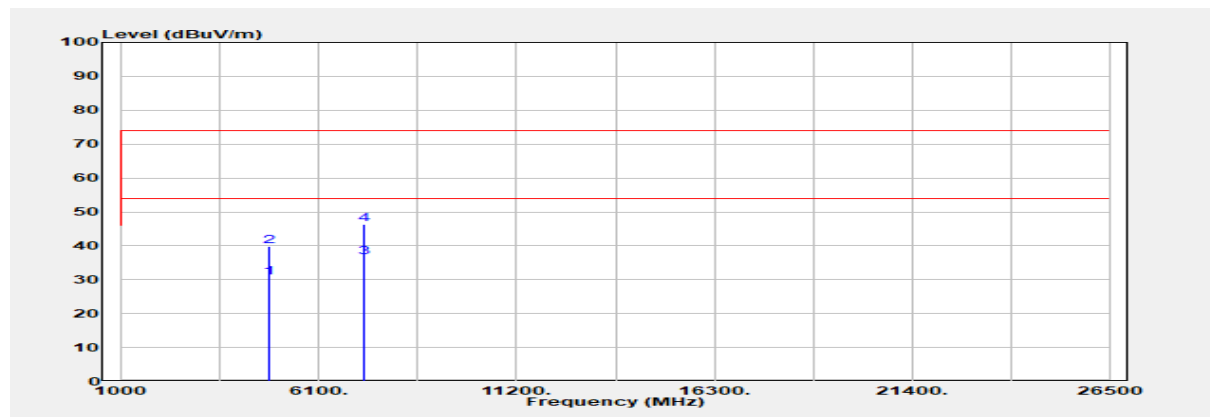
Temp./Humi. :22.9/59

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4824.000	Average	27.39	3.35	30.74	54.00	-23.26
4824.000	Peak	36.47	3.35	39.82	74.00	-34.18
7236.000	Average	26.21	10.34	36.56	54.00	-17.44
7236.000	Peak	35.92	10.34	46.26	74.00	-27.74

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-08-01

Test Frequency :2437 MHz

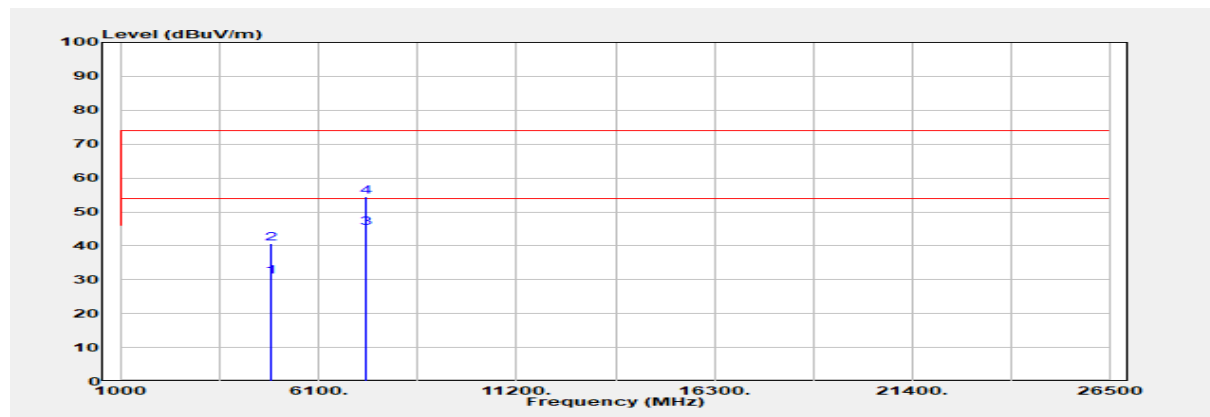
Temp./Humi. :22.9/59

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	27.52	3.30	30.83	54.00	-23.17
4874.000	Peak	37.45	3.30	40.76	74.00	-33.24
7311.000	Average	35.13	10.13	45.26	54.00	-8.74
7311.000	Peak	44.43	10.13	54.57	74.00	-19.43

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-08-01

Test Frequency :2437 MHz

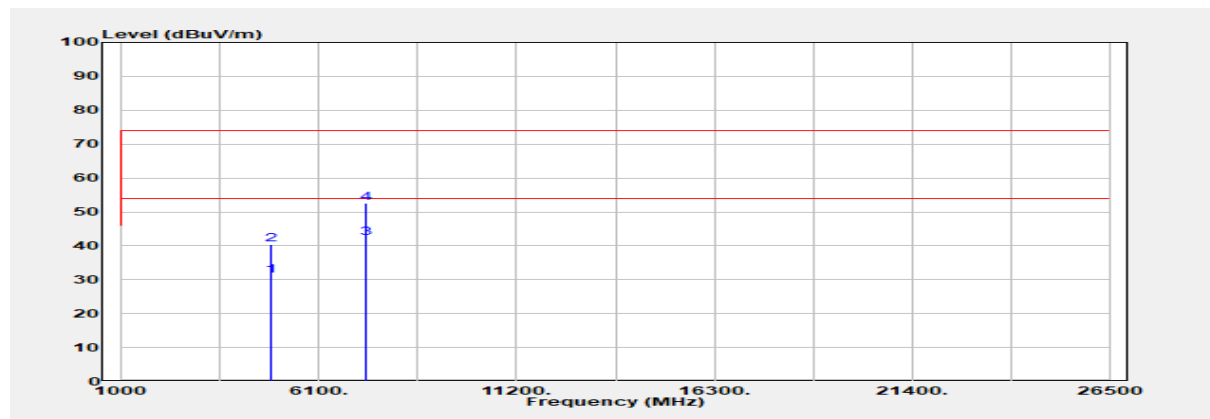
Temp./Humi. :22.9/59

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	27.77	3.30	31.08	54.00	-22.92
4874.000	Peak	37.12	3.30	40.42	74.00	-33.58
7311.000	Average	32.19	10.13	42.32	54.00	-11.68
7311.000	Peak	42.45	10.13	52.58	74.00	-21.42

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-08-01

Test Frequency :2462 MHz

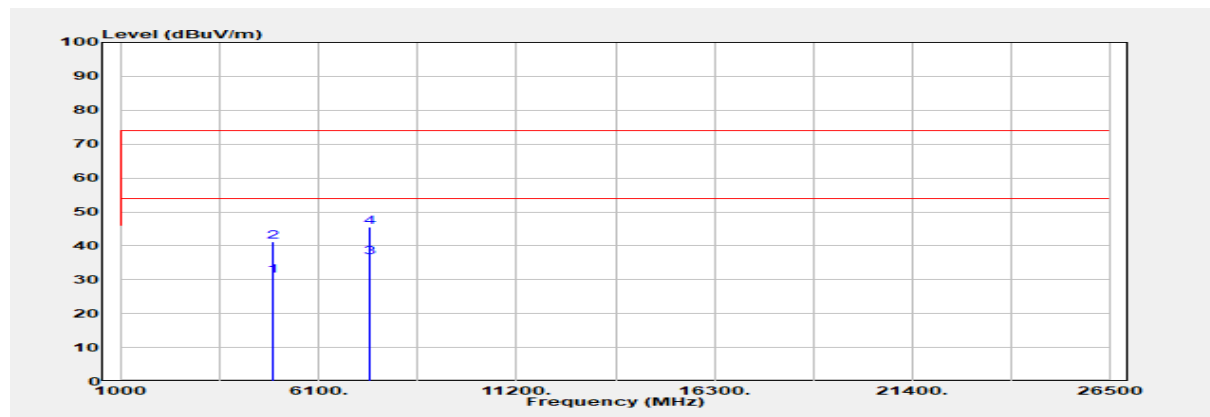
Temp./Humi. :22.9/59

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.000	Average	28.04	3.25	31.29	54.00	-22.71
4924.000	Peak	37.86	3.25	41.11	74.00	-32.89
7386.000	Average	26.11	10.60	36.71	54.00	-17.30
7386.000	Peak	34.96	10.60	45.56	74.00	-28.44

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-08-01

Test Frequency :2462 MHz

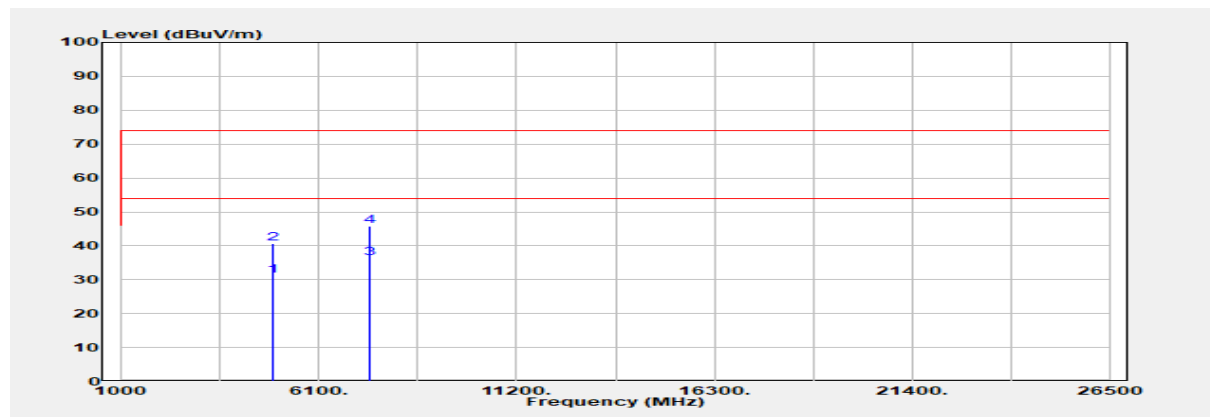
Temp./Humi. :22.9/59

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.000	Average	27.79	3.25	31.04	54.00	-22.96
4924.000	Peak	37.28	3.25	40.53	74.00	-33.47
7386.000	Average	25.75	10.60	36.35	54.00	-17.66
7386.000	Peak	35.11	10.60	45.71	74.00	-28.29

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SGS Taiwan Ltd.

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Member of SGS Group

Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2422 MHz

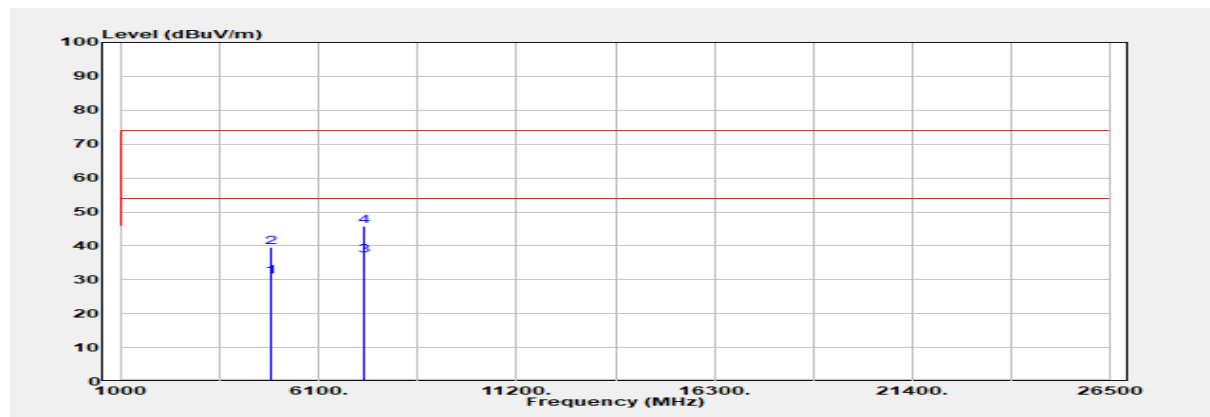
Temp./Humi. :22.9°C/52%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.000	Average	27.62	3.39	31.01	54.00	-22.99
4844.000	Peak	36.13	3.39	39.52	74.00	-34.48
7266.000	Average	26.57	10.61	37.18	54.00	-16.82
7266.000	Peak	35.24	10.61	45.85	74.00	-28.15

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2422 MHz

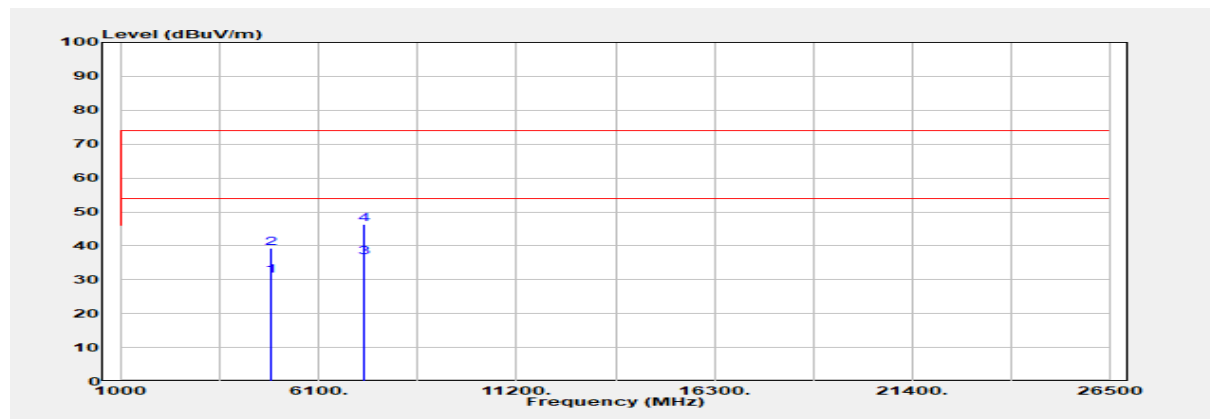
Temp./Humi. :22.9°C/52%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.000	Average	27.70	3.39	31.09	54.00	-22.91
4844.000	Peak	36.01	3.39	39.40	74.00	-34.60
7266.000	Average	26.06	10.61	36.67	54.00	-17.33
7266.000	Peak	35.68	10.61	46.29	74.00	-27.71

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2437 MHz

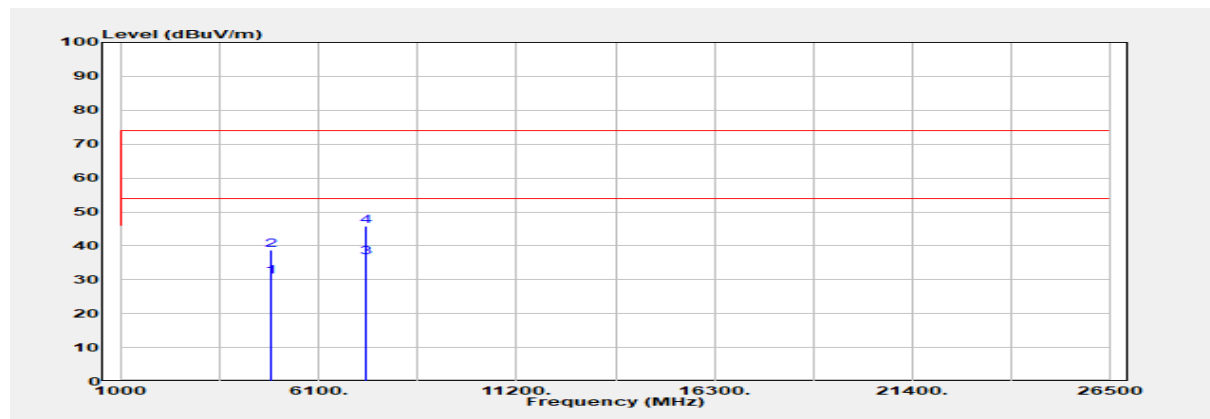
Temp./Humi. :22.9°C/52%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4874.000	Average	27.65	3.30	30.95	54.00	-23.05
4874.000	Peak	35.40	3.30	38.70	74.00	-35.30
7311.000	Average	26.50	10.13	36.63	54.00	-17.37
7311.000	Peak	35.54	10.13	45.68	74.00	-28.32

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2437 MHz

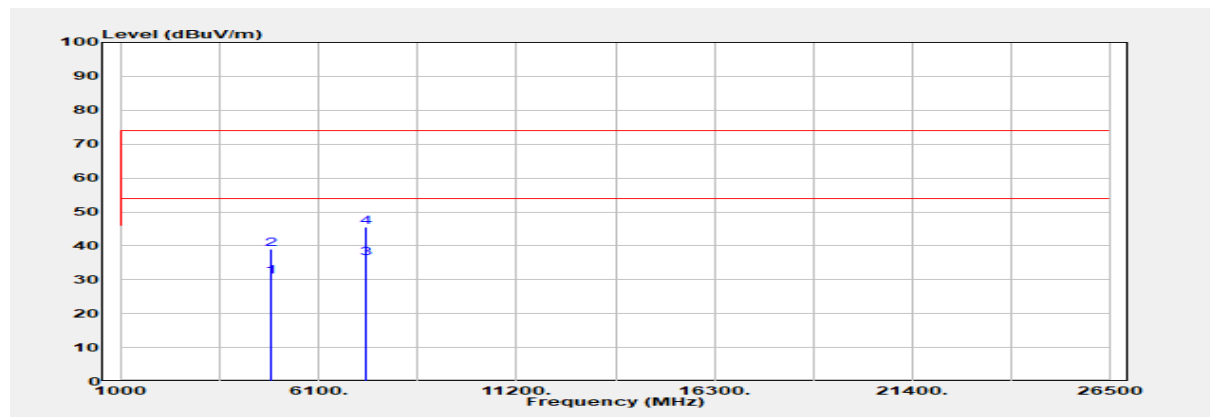
Temp./Humi. :22.9°C/52%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	27.67	3.30	30.98	54.00	-23.02
4874.000	Peak	35.59	3.30	38.89	74.00	-35.11
7311.000	Average	26.30	10.13	36.43	54.00	-17.57
7311.000	Peak	35.46	10.13	45.60	74.00	-28.40

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2452 MHz

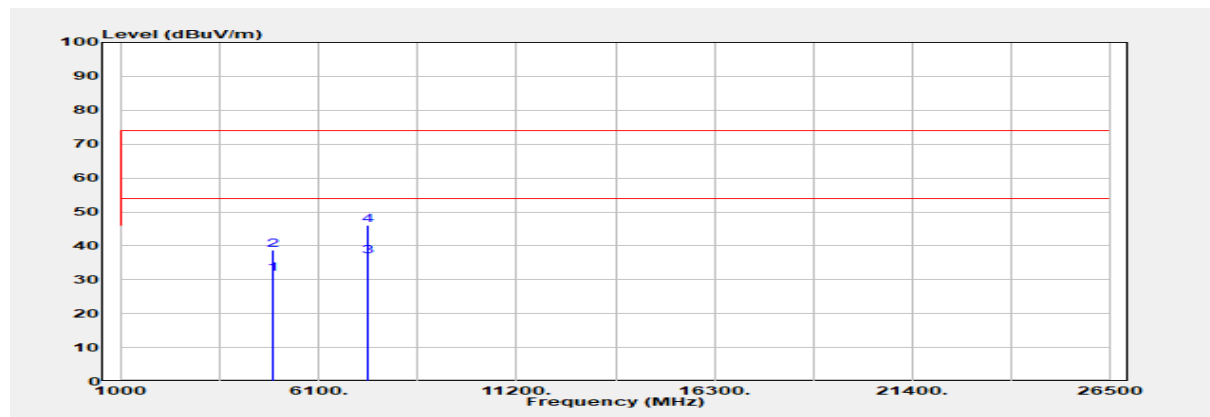
Temp./Humi. :22.9°C/52%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.000	Average	28.42	3.21	31.62	54.00	-22.38
4904.000	Peak	35.61	3.21	38.81	74.00	-35.19
7356.000	Average	26.21	10.60	36.81	54.00	-17.19
7356.000	Peak	35.47	10.60	46.07	74.00	-27.93

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2452 MHz

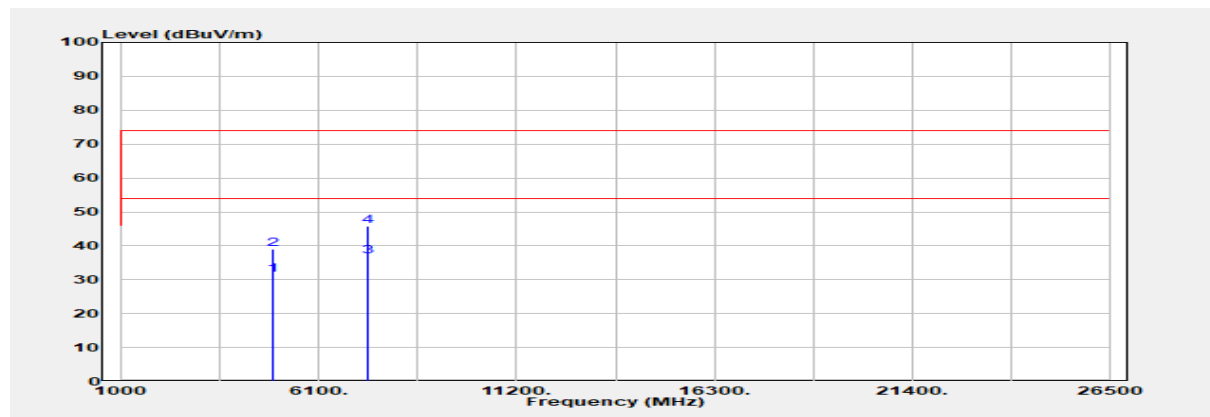
Temp./Humi. :22.9°C/52%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.000	Average	28.29	3.21	31.49	54.00	-22.51
4904.000	Peak	35.84	3.21	39.05	74.00	-34.95
7356.000	Average	26.22	10.60	36.82	54.00	-17.19
7356.000	Peak	35.32	10.60	45.92	74.00	-28.08

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2422 MHz

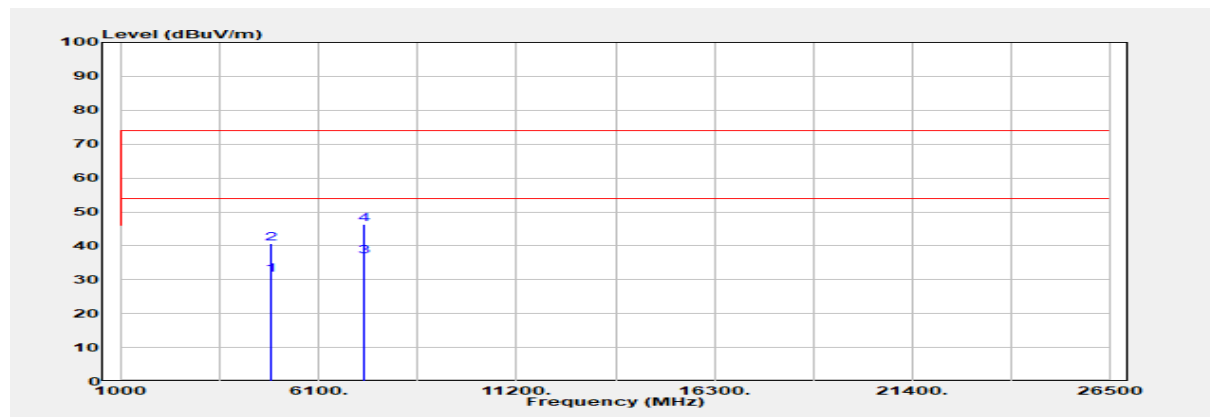
Temp./Humi. :22.9°C/52%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.000	Average	28.06	3.39	31.45	54.00	-22.55
4844.000	Peak	37.22	3.39	40.61	74.00	-33.39
7266.000	Average	26.32	10.61	36.93	54.00	-17.07
7266.000	Peak	35.61	10.61	46.22	74.00	-27.78

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2422 MHz

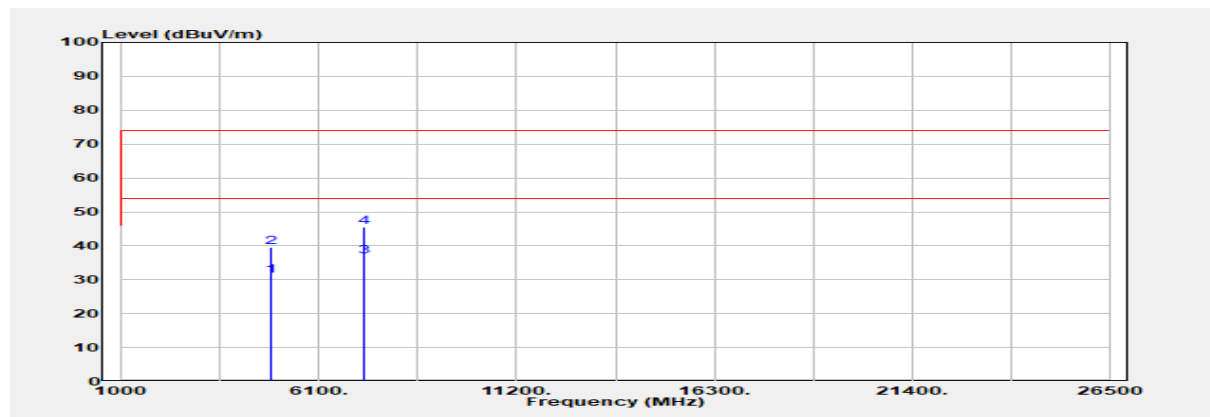
Temp./Humi. :22.9°C/52%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.000	Average	27.83	3.39	31.22	54.00	-22.78
4844.000	Peak	36.14	3.39	39.53	74.00	-34.47
7266.000	Average	26.27	10.61	36.88	54.00	-17.12
7266.000	Peak	34.90	10.61	45.51	74.00	-28.49

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2437 MHz

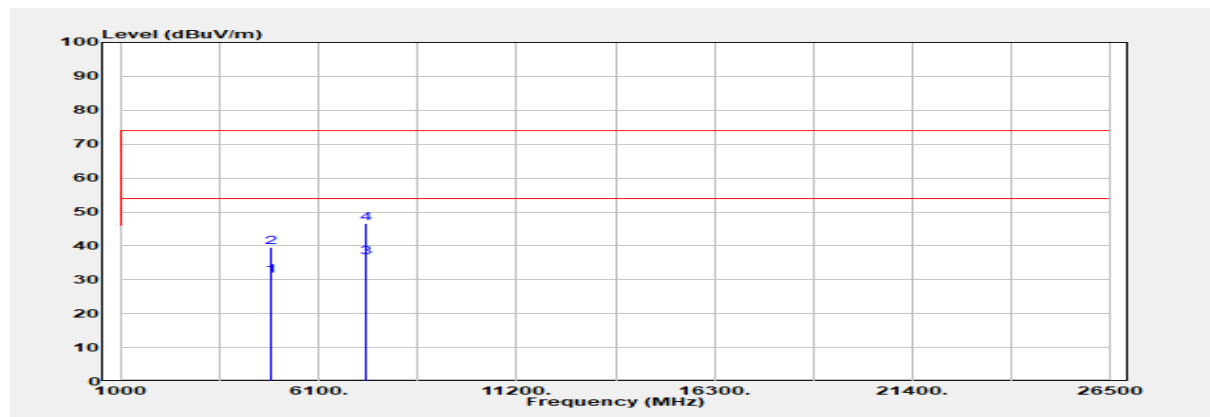
Temp./Humi. :22.9°C/52%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4874.000	Average	27.77	3.30	31.07	54.00	-22.93
4874.000	Peak	36.33	3.30	39.64	74.00	-34.36
7311.000	Average	26.42	10.13	36.55	54.00	-17.45
7311.000	Peak	36.43	10.13	46.56	74.00	-27.44

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2437 MHz

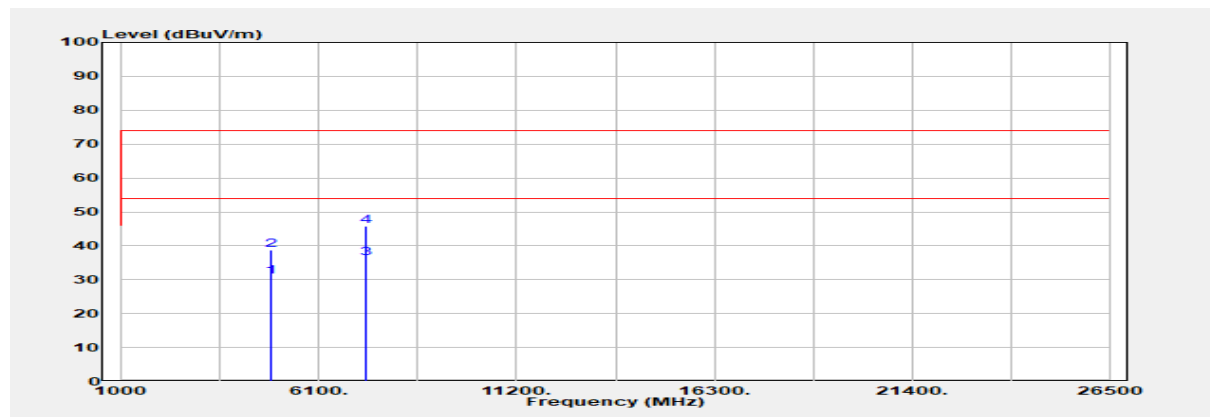
Temp./Humi. :22.9°C/52%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	27.66	3.30	30.96	54.00	-23.04
4874.000	Peak	35.58	3.30	38.88	74.00	-35.12
7311.000	Average	26.20	10.13	36.33	54.00	-17.67
7311.000	Peak	35.78	10.13	45.91	74.00	-28.09

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2452 MHz

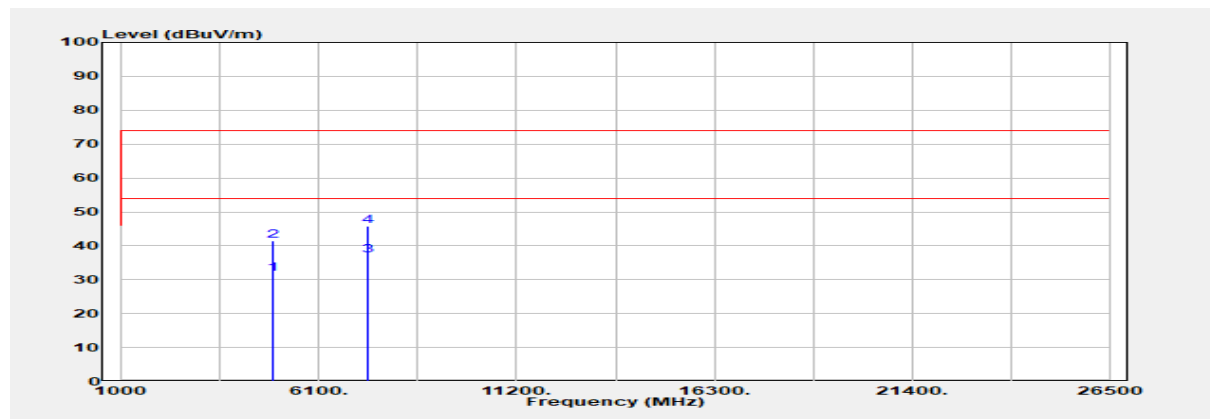
Temp./Humi. :22.9°C/52%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.000	Average	28.37	3.21	31.58	54.00	-22.42
4904.000	Peak	38.27	3.21	41.48	74.00	-32.52
7356.000	Average	26.50	10.60	37.10	54.00	-16.90
7356.000	Peak	35.15	10.60	45.75	74.00	-28.25

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2452 MHz

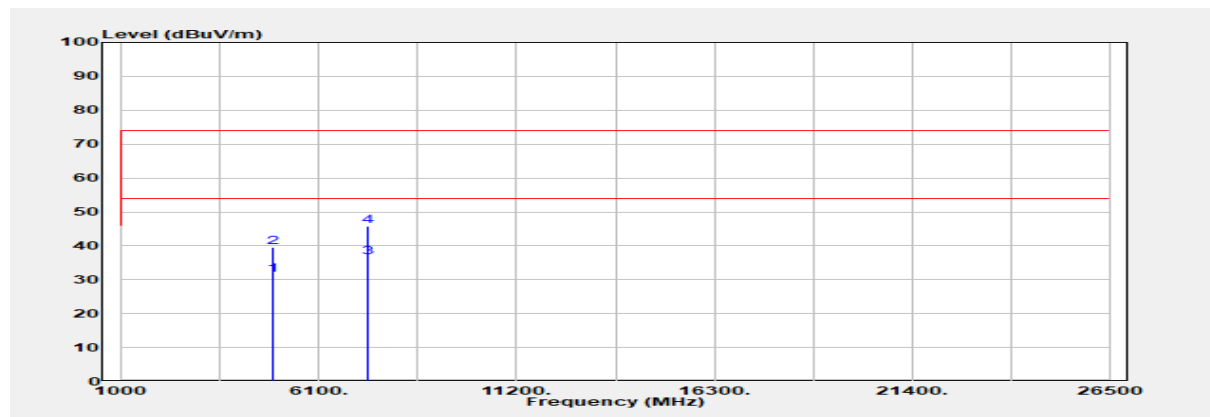
Temp./Humi. :22.9°C/52%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.000	Average	28.19	3.21	31.40	54.00	-22.60
4904.000	Peak	36.22	3.21	39.43	74.00	-34.57
7356.000	Average	25.93	10.60	36.53	54.00	-17.47
7356.000	Peak	35.27	10.60	45.87	74.00	-28.13

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ANT0(dipole)

Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-08-01

Test Frequency :2437 MHz

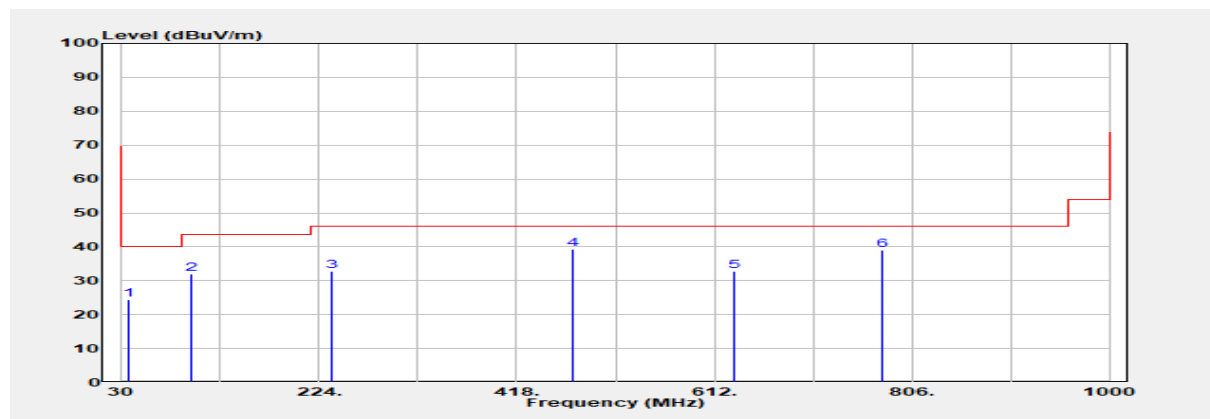
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
36.790	Peak	39.08	-14.70	24.38	40.00	-15.62
97.900	Peak	50.20	-18.29	31.90	43.50	-11.60
236.610	Peak	47.97	-15.06	32.91	46.00	-13.09
473.290	Peak	47.56	-8.40	39.16	46.00	-6.84
631.400	Peak	36.60	-3.78	32.81	46.00	-13.19
776.900	Peak	40.19	-1.28	38.90	46.00	-7.10

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-08-01

Test Frequency :2437 MHz

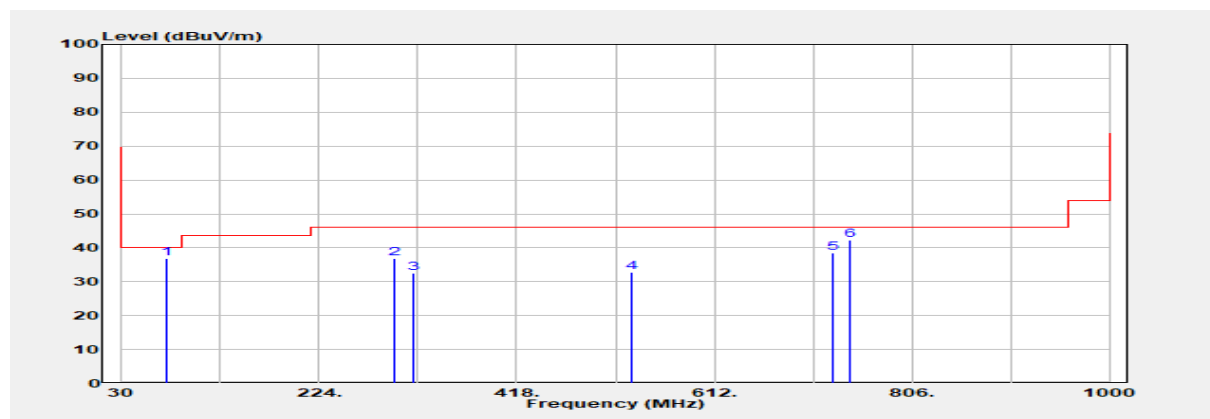
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
74.620	Peak	53.71	-16.76	36.95	40.00	-3.05
297.720	Peak	49.65	-12.67	36.97	46.00	-9.03
317.120	Peak	44.66	-12.10	32.56	46.00	-13.44
531.490	Peak	39.20	-6.39	32.81	46.00	-13.19
729.370	Peak	41.20	-2.66	38.54	46.00	-7.46
744.890	Peak	45.12	-2.94	42.18	46.00	-3.82

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2437 MHz

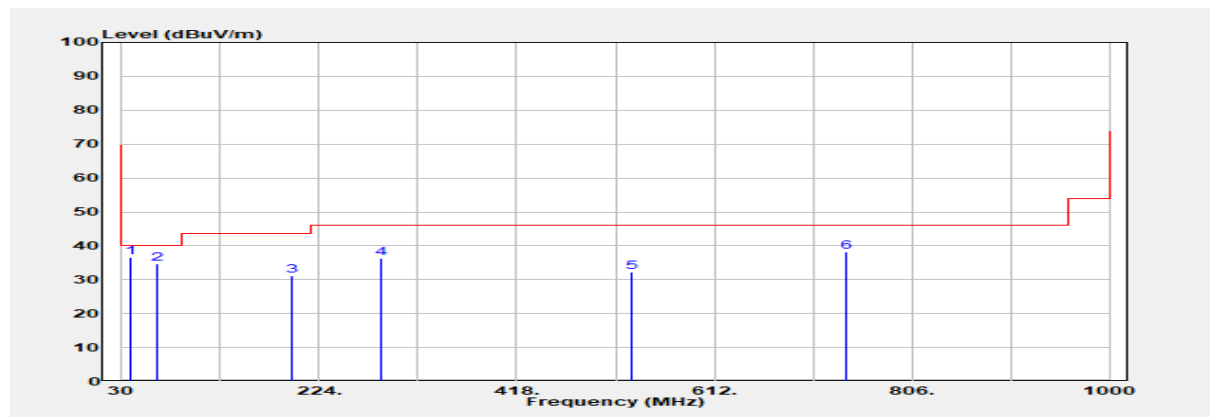
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
37.760	Peak	51.10	-14.52	36.58	40.00	-3.42
64.920	Peak	49.43	-14.86	34.57	40.00	-5.43
197.810	Peak	47.74	-16.49	31.25	43.50	-12.25
284.140	Peak	49.27	-13.01	36.26	46.00	-9.74
531.490	Peak	38.72	-6.39	32.32	46.00	-13.68
741.010	Peak	41.25	-2.93	38.32	46.00	-7.68

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2437 MHz

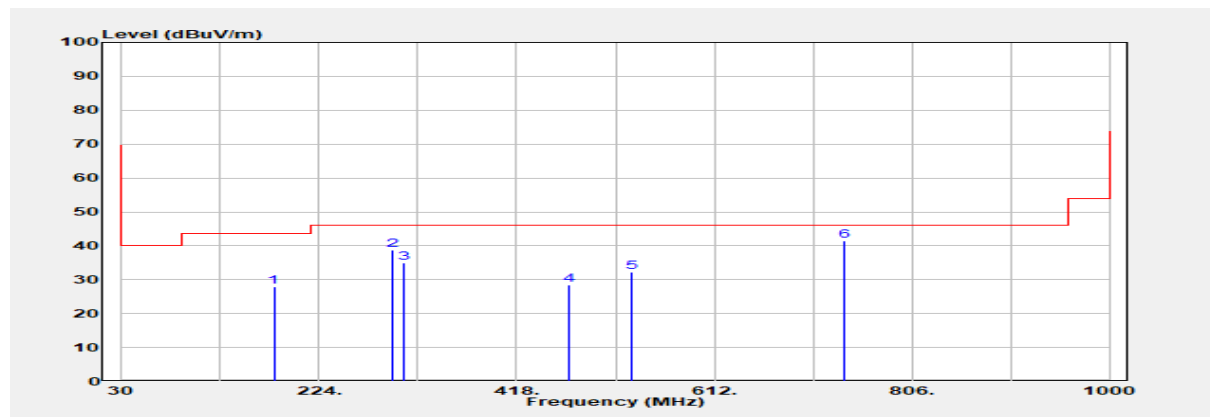
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
179.380	Peak	42.55	-14.68	27.87	43.50	-15.63
295.780	Peak	51.59	-12.82	38.77	46.00	-7.23
306.450	Peak	47.25	-12.37	34.88	46.00	-11.12
469.410	Peak	36.94	-8.37	28.57	46.00	-17.43
530.520	Peak	38.53	-6.35	32.17	46.00	-13.83
739.070	Peak	44.49	-2.89	41.59	46.00	-4.41

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-08-01

Test Frequency :2412 MHz

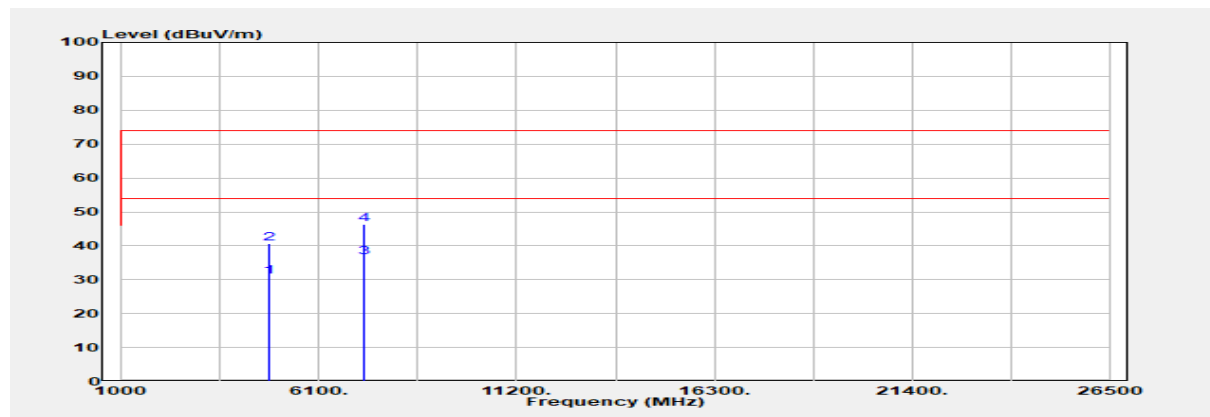
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4824.000	Average	27.65	3.35	30.99	54.00	-23.01
4824.000	Peak	37.29	3.35	40.64	74.00	-33.36
7236.000	Average	26.14	10.34	36.48	54.00	-17.52
7236.000	Peak	35.88	10.34	46.22	74.00	-27.78

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-08-01

Test Frequency :2412 MHz

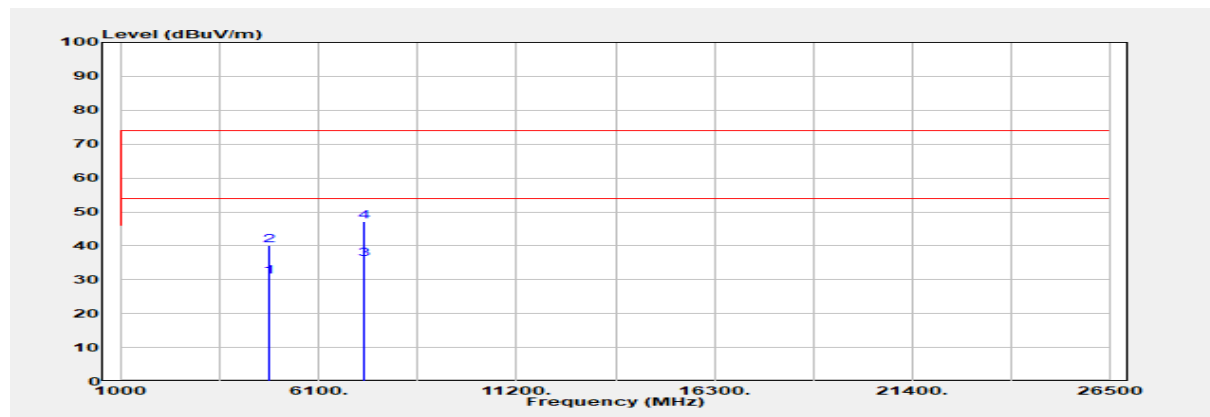
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.000	Average	27.51	3.35	30.86	54.00	-23.14
4824.000	Peak	36.86	3.35	40.20	74.00	-33.80
7236.000	Average	25.82	10.34	36.17	54.00	-17.83
7236.000	Peak	36.76	10.34	47.11	74.00	-26.89

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-08-01

Test Frequency :2437 MHz

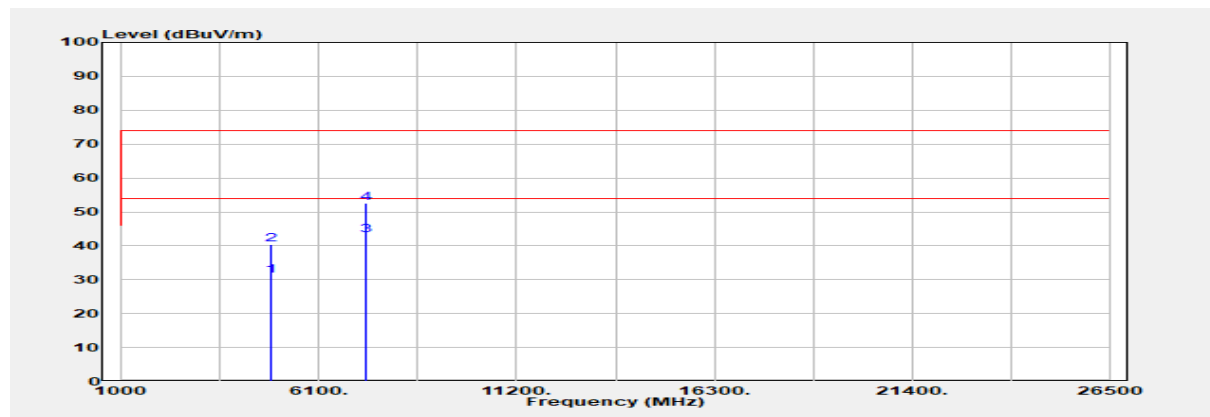
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	27.87	3.30	31.17	54.00	-22.83
4874.000	Peak	37.06	3.30	40.37	74.00	-33.63
7311.000	Average	32.84	10.13	42.97	54.00	-11.03
7311.000	Peak	42.48	10.13	52.61	74.00	-21.39

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-08-01

Test Frequency :2437 MHz

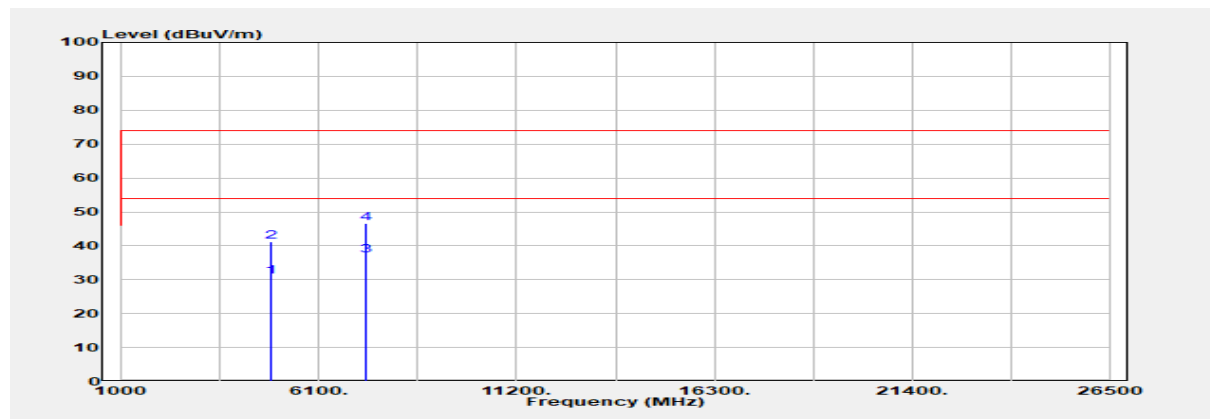
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	27.62	3.30	30.93	54.00	-23.07
4874.000	Peak	37.94	3.30	41.24	74.00	-32.76
7311.000	Average	27.12	10.13	37.25	54.00	-16.75
7311.000	Peak	36.60	10.13	46.73	74.00	-27.27

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-08-01

Test Frequency :2462 MHz

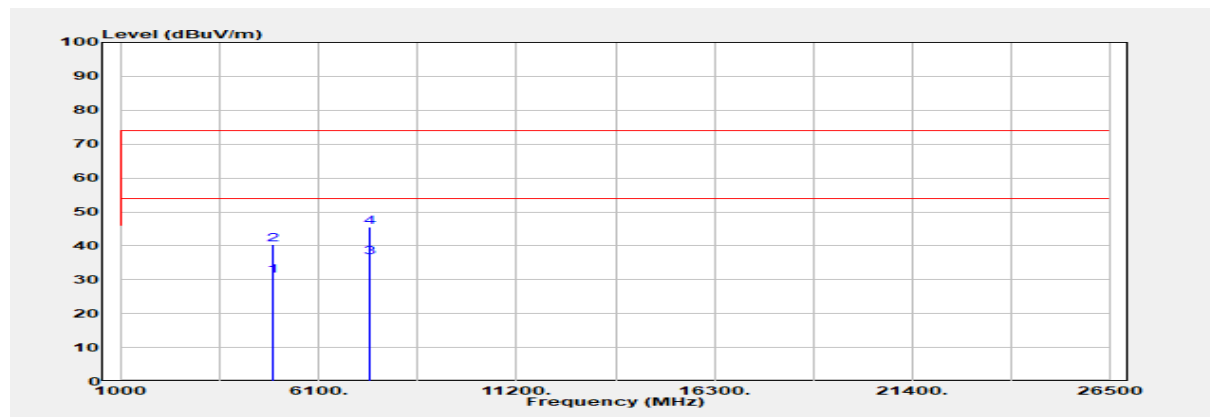
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.000	Average	27.83	3.25	31.08	54.00	-22.92
4924.000	Peak	37.12	3.25	40.37	74.00	-33.63
7386.000	Average	26.03	10.60	36.63	54.00	-17.38
7386.000	Peak	34.96	10.60	45.56	74.00	-28.44

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ac20

Test Date :2023-08-02

Test Frequency :2462 MHz

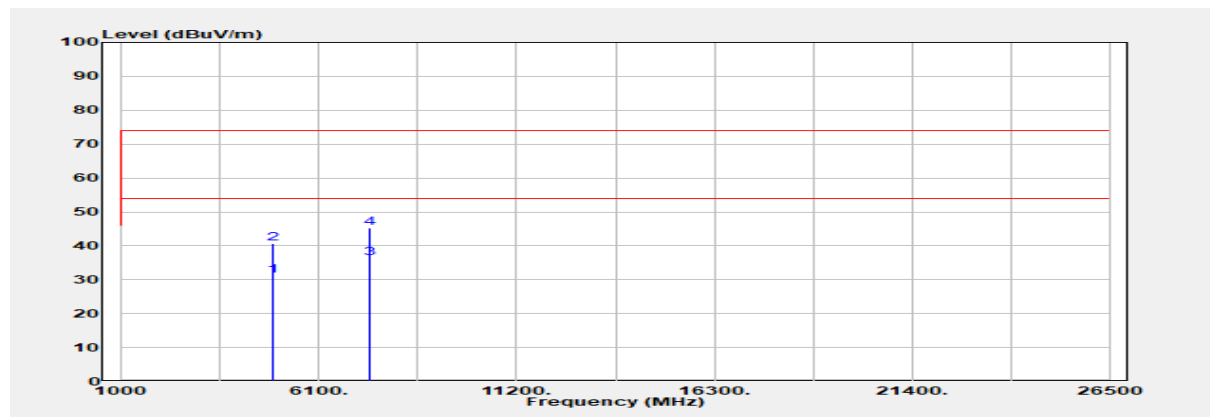
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.000	Average	27.93	3.25	31.18	54.00	-22.82
4924.000	Peak	37.52	3.25	40.76	74.00	-33.24
7386.000	Average	25.68	10.60	36.28	54.00	-17.72
7386.000	Peak	34.76	10.60	45.36	74.00	-28.64

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2422 MHz

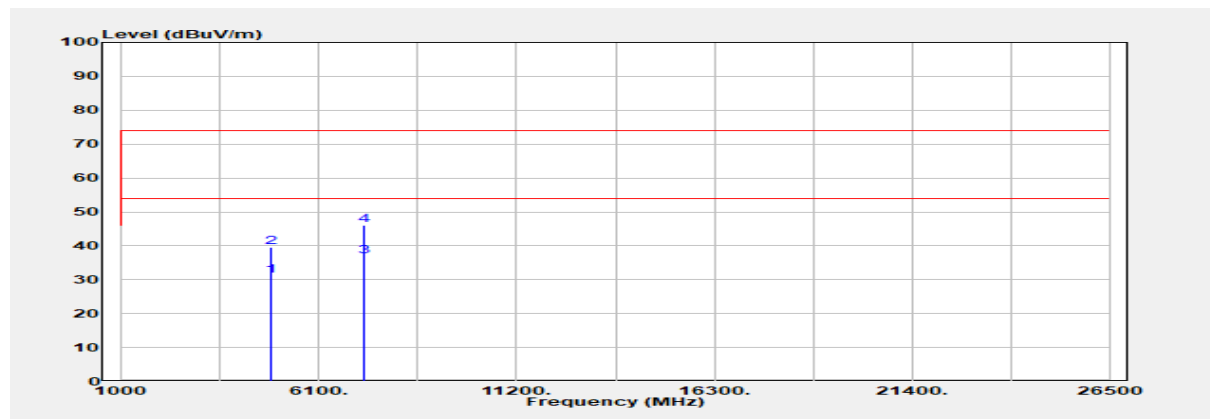
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4844.000	Average	27.73	3.39	31.12	54.00	-22.88
4844.000	Peak	36.22	3.39	39.61	74.00	-34.39
7266.000	Average	26.29	10.61	36.90	54.00	-17.10
7266.000	Peak	35.53	10.61	46.14	74.00	-27.86

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2422 MHz

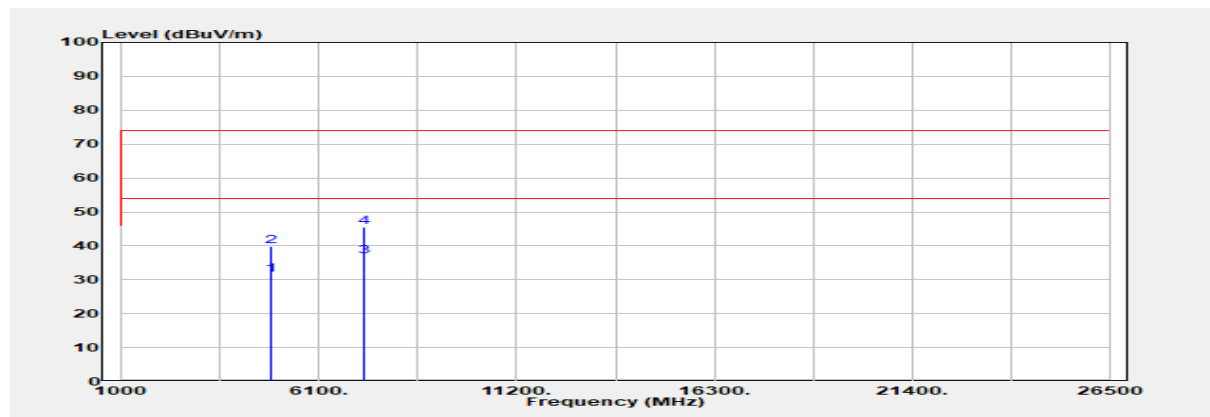
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.000	Average	27.97	3.39	31.36	54.00	-22.64
4844.000	Peak	36.46	3.39	39.85	74.00	-34.15
7266.000	Average	26.18	10.61	36.79	54.00	-17.21
7266.000	Peak	35.00	10.61	45.61	74.00	-28.39

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2437 MHz

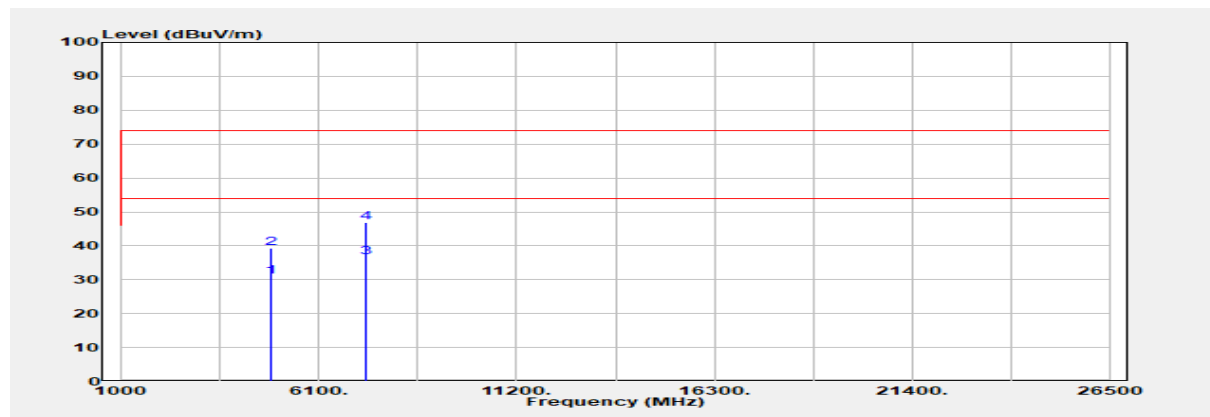
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	27.71	3.30	31.02	54.00	-22.98
4874.000	Peak	36.02	3.30	39.33	74.00	-34.67
7311.000	Average	26.56	10.13	36.69	54.00	-17.31
7311.000	Peak	36.62	10.13	46.75	74.00	-27.25

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2437 MHz

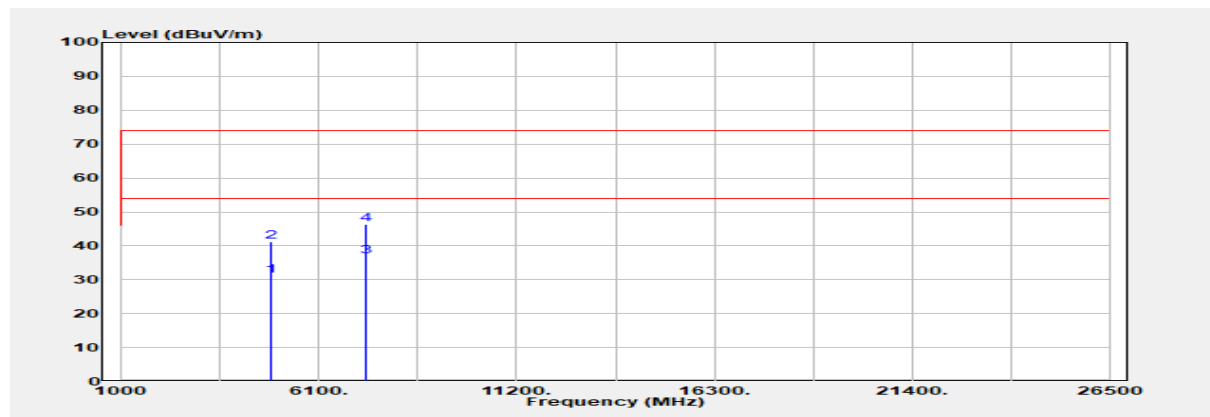
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4874.000	Average	27.85	3.30	31.16	54.00	-22.84
4874.000	Peak	37.91	3.30	41.22	74.00	-32.78
7311.000	Average	26.73	10.13	36.86	54.00	-17.14
7311.000	Peak	36.10	10.13	46.23	74.00	-27.77

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2452 MHz

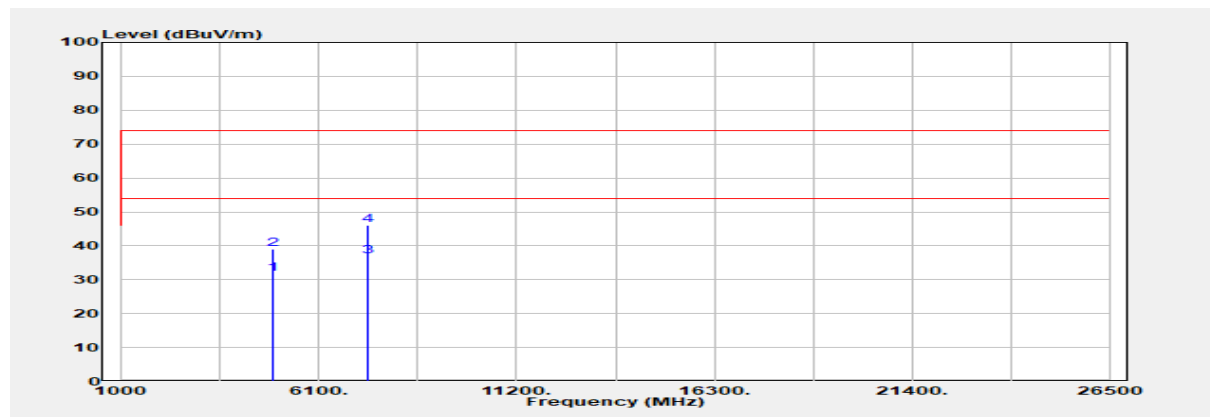
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.000	Average	28.39	3.21	31.60	54.00	-22.40
4904.000	Peak	35.86	3.21	39.06	74.00	-34.94
7356.000	Average	26.31	10.60	36.91	54.00	-17.09
7356.000	Peak	35.48	10.60	46.08	74.00	-27.92

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11n40

Test Date :2023-08-01

Test Frequency :2452 MHz

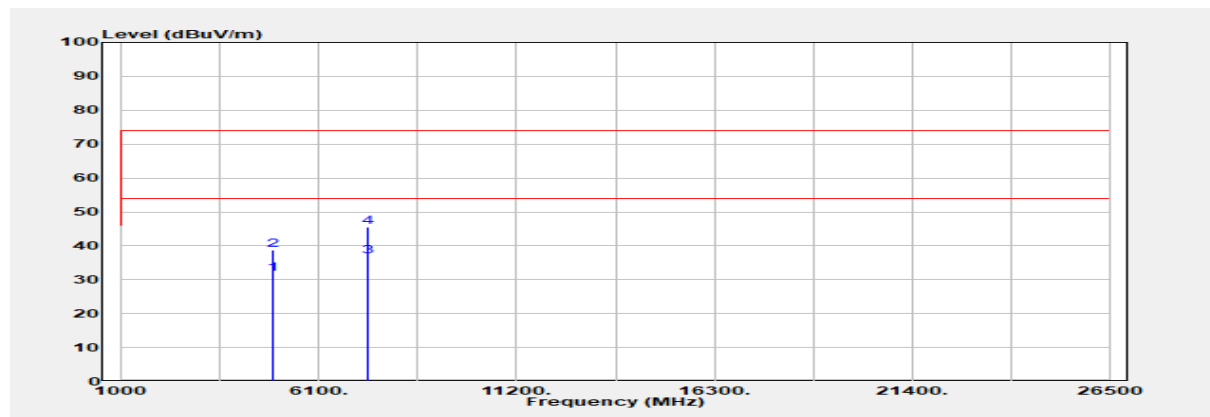
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.000	Average	28.60	3.21	31.80	54.00	-22.20
4904.000	Peak	35.52	3.21	38.72	74.00	-35.28
7356.000	Average	26.34	10.60	36.94	54.00	-17.06
7356.000	Peak	34.86	10.60	45.46	74.00	-28.54

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2422 MHz

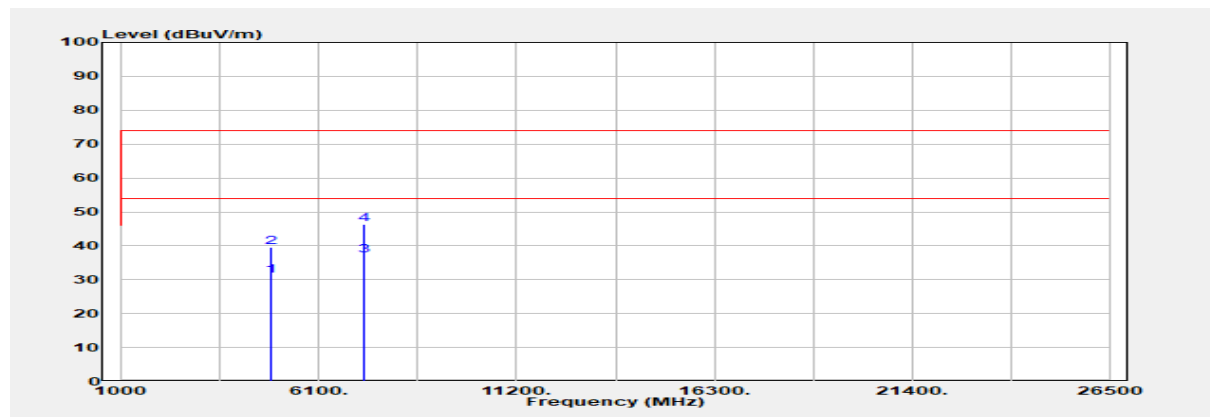
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.000	Average	27.74	3.39	31.13	54.00	-22.87
4844.000	Peak	36.23	3.39	39.61	74.00	-34.39
7266.000	Average	26.39	10.61	37.00	54.00	-17.00
7266.000	Peak	35.74	10.61	46.35	74.00	-27.65

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2422 MHz

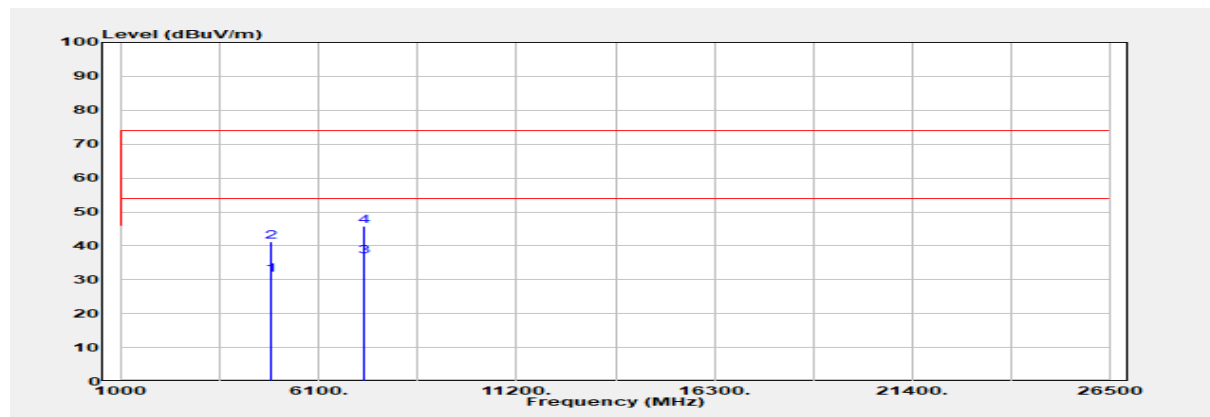
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.000	Average	27.96	3.39	31.35	54.00	-22.65
4844.000	Peak	37.89	3.39	41.28	74.00	-32.72
7266.000	Average	26.36	10.61	36.97	54.00	-17.03
7266.000	Peak	35.31	10.61	45.92	74.00	-28.08

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2437 MHz

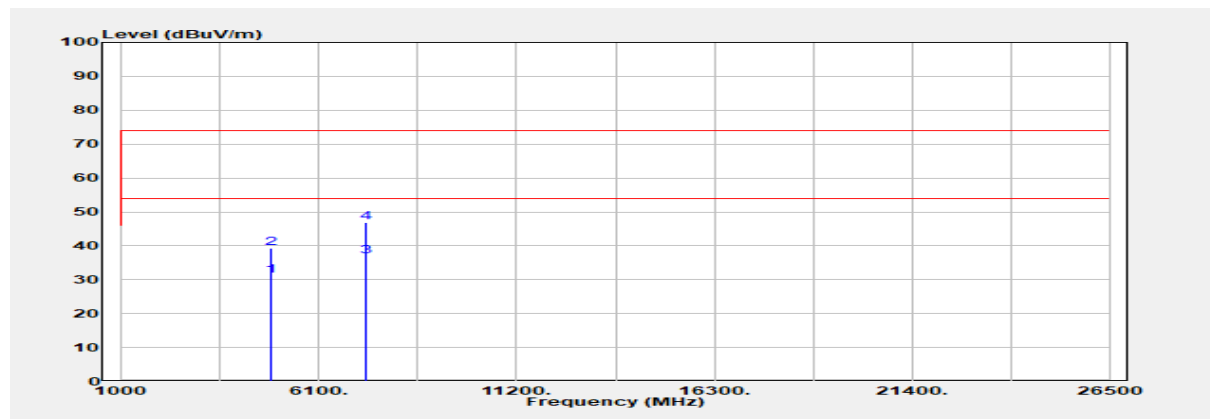
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4874.000	Average	27.80	3.30	31.10	54.00	-22.90
4874.000	Peak	36.01	3.30	39.32	74.00	-34.68
7311.000	Average	26.70	10.13	36.83	54.00	-17.17
7311.000	Peak	36.76	10.13	46.89	74.00	-27.11

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2437 MHz

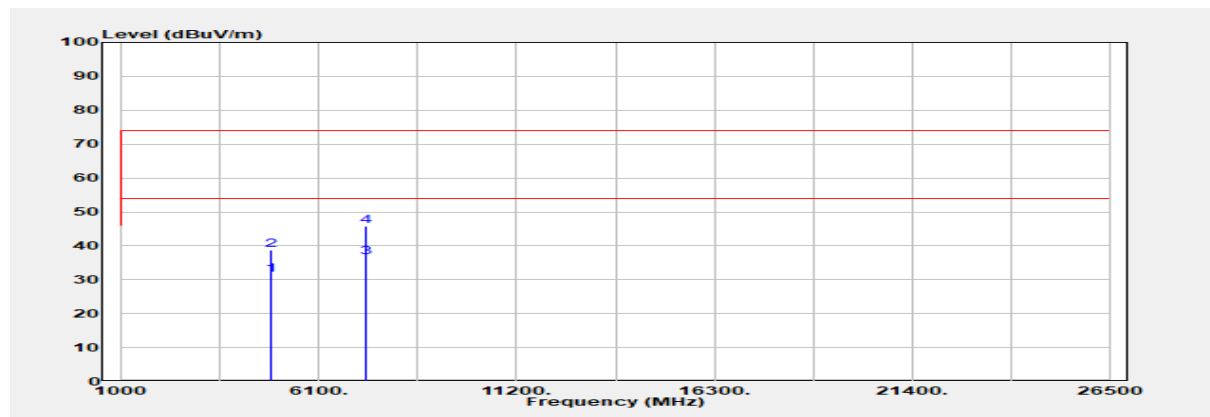
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4874.000	Average	28.13	3.30	31.44	54.00	-22.56
4874.000	Peak	35.57	3.30	38.88	74.00	-35.12
7311.000	Average	26.45	10.13	36.58	54.00	-17.42
7311.000	Peak	35.59	10.13	45.72	74.00	-28.28

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2452 MHz

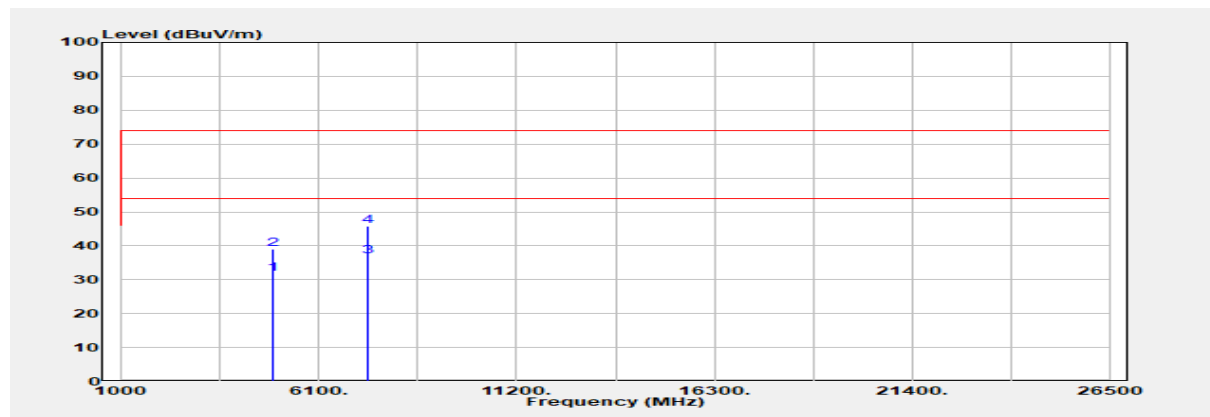
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.000	Average	28.46	3.21	31.67	54.00	-22.33
4904.000	Peak	35.82	3.21	39.03	74.00	-34.97
7356.000	Average	26.30	10.60	36.90	54.00	-17.11
7356.000	Peak	35.18	10.60	45.78	74.00	-28.22

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Report Number :TERF2307001775E2

Test Site :SAC C

Operation Mode :802.11ax40

Test Date :2023-08-01

Test Frequency :2452 MHz

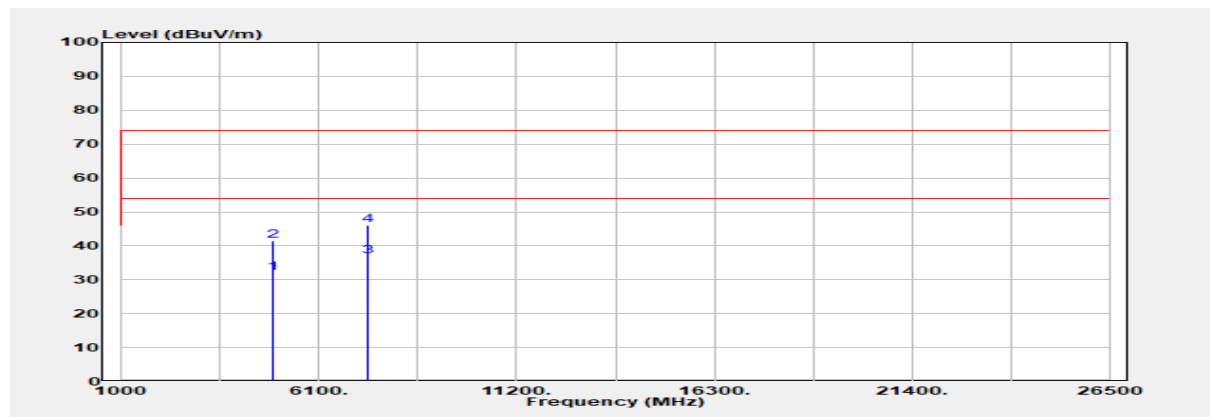
Temp./Humi. :22.9°C/59%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Andy Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.000	Average	28.72	3.21	31.93	54.00	-22.07
4904.000	Peak	38.13	3.21	41.34	74.00	-32.66
7356.000	Average	26.22	10.60	36.82	54.00	-17.18
7356.000	Peak	35.42	10.60	46.02	74.00	-27.98

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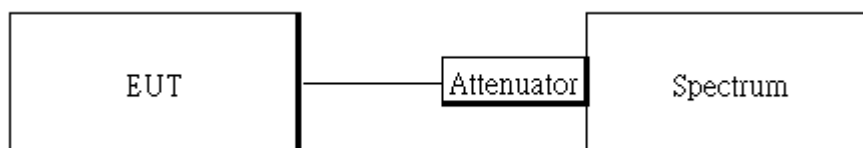
12 POWER SPECTRAL DENSITY

12.1 Standard Applicable

Per Part 15.247 (e) & RSS-247 section 5.2 b

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

12.2 Test Setup



12.3 Measurement Procedure

1. Set analyzer center frequency to DTS channel center frequency.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Set the span to 1.5 times the DTS channel bandwidth.
4. Set the RBW = 3 kHz & VBW = 10 kHz.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.

The antenna gain is not greater than 6 dBi. Therefore, reduction of power is not required.

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12.4 Power spectral density

POWER DENSITY 802.11n HT40				
Freq. (MHz)	Ch0 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	-15.41	-15.41	8.00	PASS
2437	-13.94	-13.94	8.00	PASS
2452	-15.36	-15.36	8.00	PASS

POWER DENSITY 802.11ac VHT20				
Freq. (MHz)	Ch0 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-11.76	-11.76	8.00	PASS
2437	-8.52	-8.52	8.00	PASS
2462	-13.28	-13.28	8.00	PASS

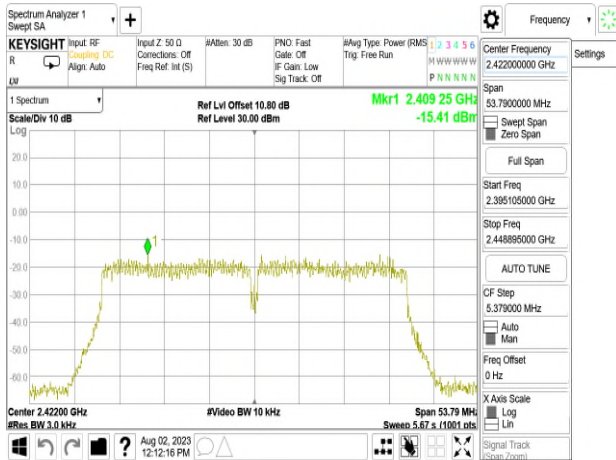
POWER DENSITY 802.11ax HE40					
Freq. (MHz)	RU Config	Ch0 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	RU_Full	-20.86	-20.86	8.00	PASS
	SU	-17.39	-17.39	8.00	PASS
	26/0	-7	-7.00	8.00	PASS
	26/17	-6.85	-6.85	8.00	PASS
	52/37	-8.54	-8.54	8.00	PASS
	52/44	-7.2	-7.20	8.00	PASS
	106/53	4.09	4.09	8.00	PASS
	106/56	3.34	3.34	8.00	PASS
	242/61	1.45	1.45	8.00	PASS
	242/62	1.59	1.59	8.00	PASS
2437	RU_Full	-15.98	-15.98	8.00	PASS
	SU	-15.84	-15.84	8.00	PASS
2452	RU_Full	-19.89	-19.89	8.00	PASS
	SU	-16.2	-16.20	8.00	PASS
	26/0	-5.38	-5.38	8.00	PASS
	26/17	-6.88	-6.88	8.00	PASS
	52/37	-7.49	-7.49	8.00	PASS
	52/44	-8.31	-8.31	8.00	PASS
	106/53	4.27	4.27	8.00	PASS
	106/56	4.45	4.45	8.00	PASS
	242/61	1.56	1.56	8.00	PASS
	242/62	1.55	1.55	8.00	PASS

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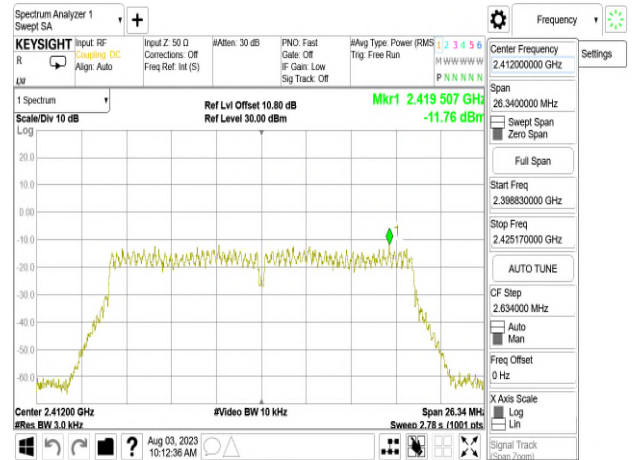
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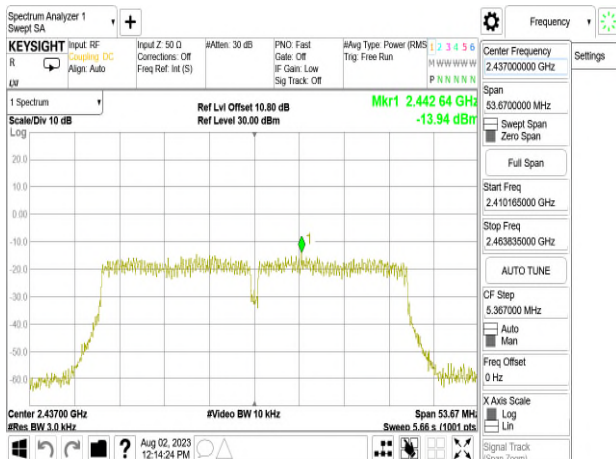
802.11n_40MHz_Chain0_2422MHz



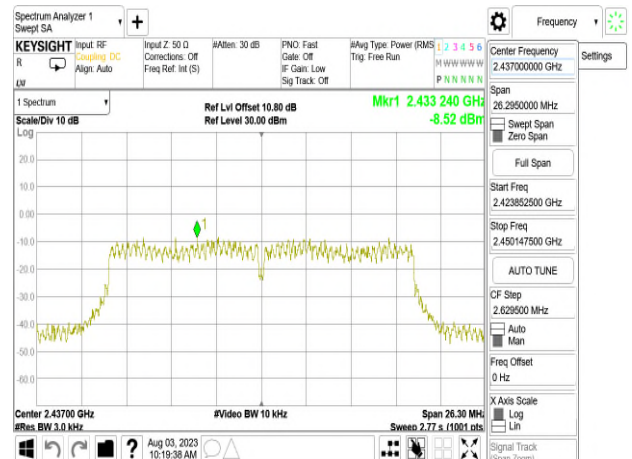
802.11ac_20MHz_Chain0_2412MHz



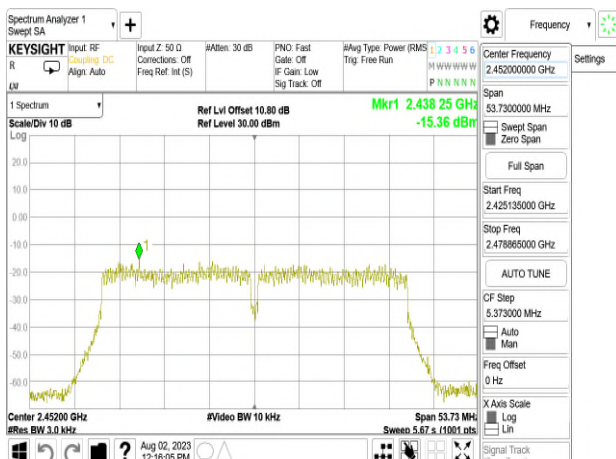
802.11n_40MHz_Chain0_2437MHz



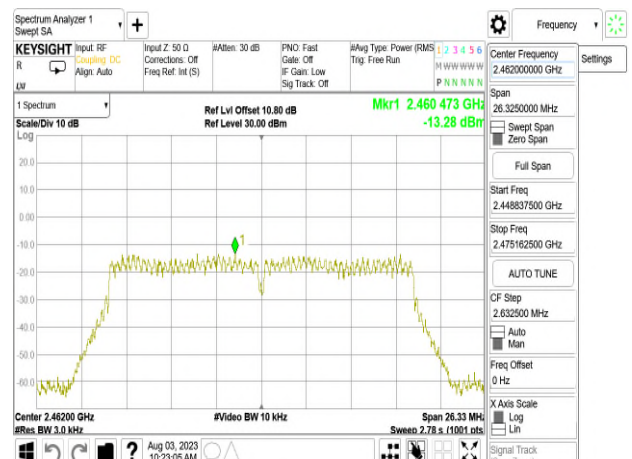
802.11ac_20MHz_Chain0_2437MHz



802.11n_40MHz_Chain0_2452MHz



802.11ac_20MHz_Chain0_2462MHz

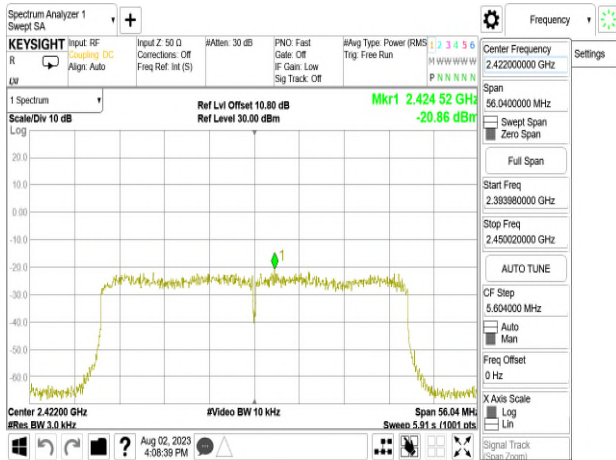


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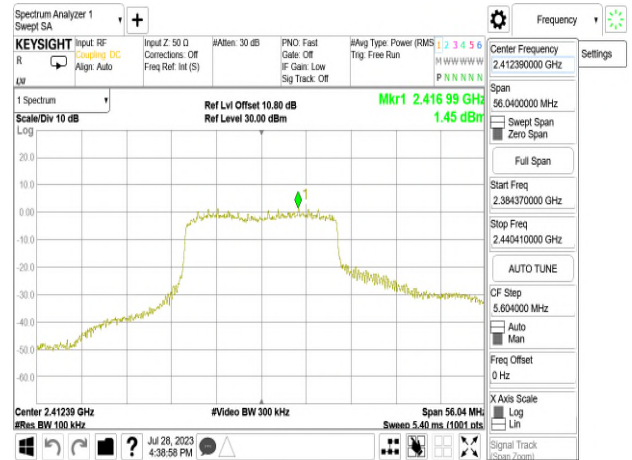
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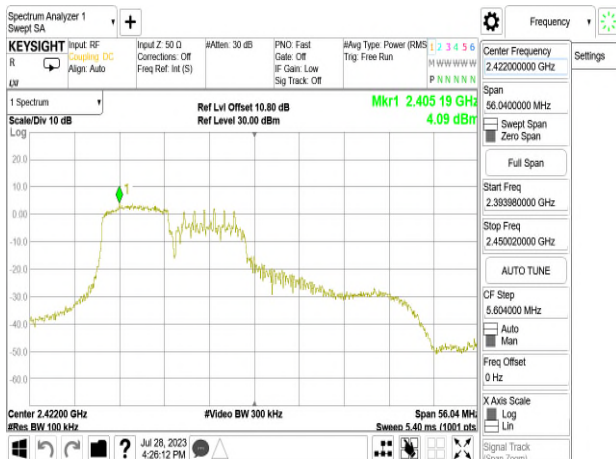
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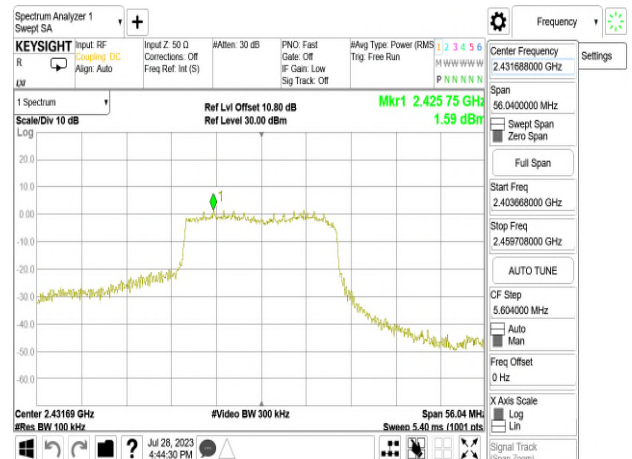
802.11ax_40MHz_Chain0_2422MHz_RU242_61



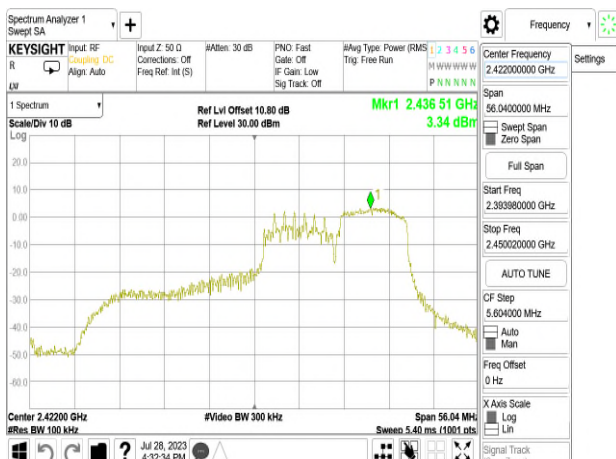
802.11ax_40MHz_Chain0_2422MHz_RU106_53



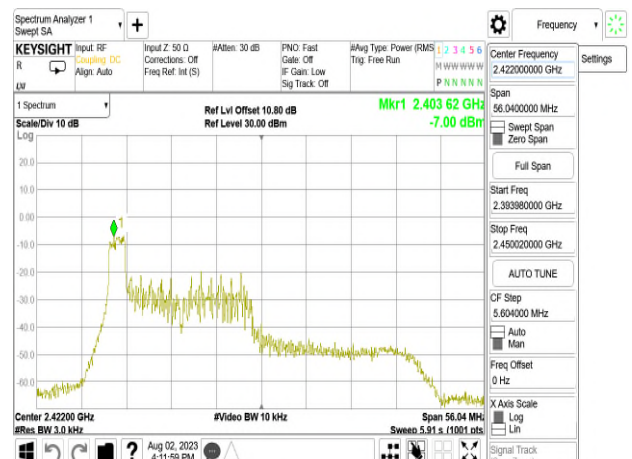
802.11ax_40MHz_Chain0_2422MHz_RU242_62



802.11ax_40MHz_Chain0_2422MHz_RU106_56



802.11ax_40MHz_Chain0_2422MHz_RU26_0

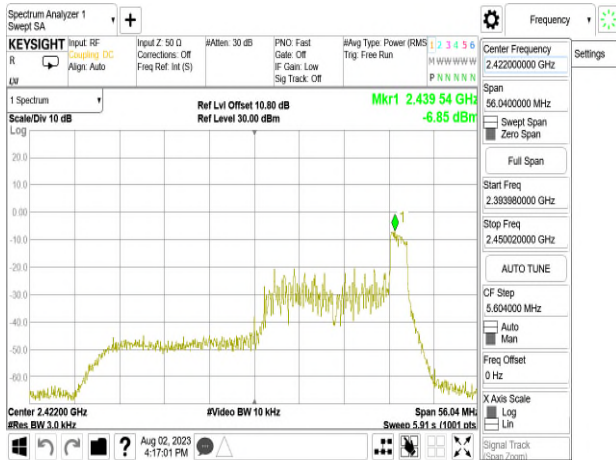


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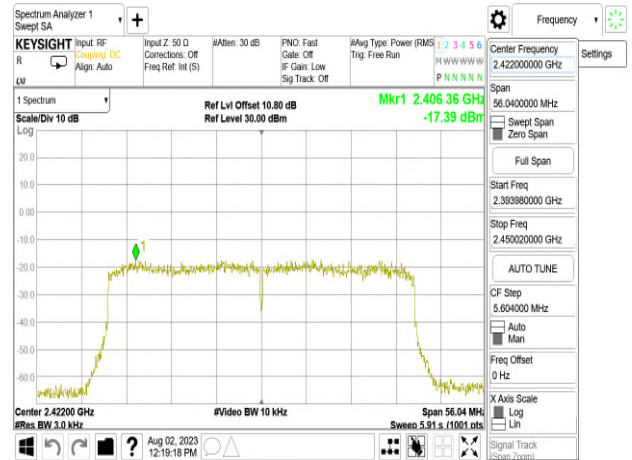
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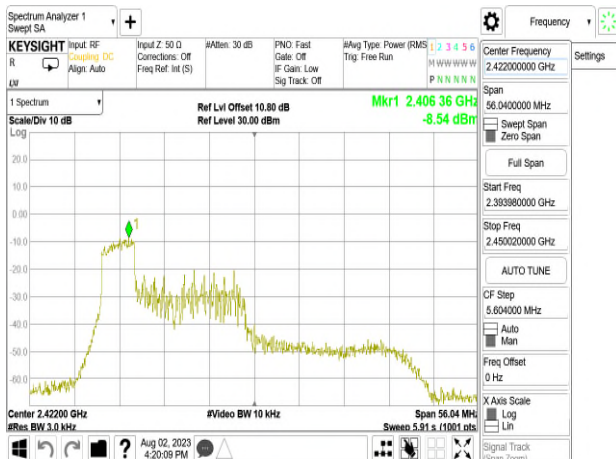
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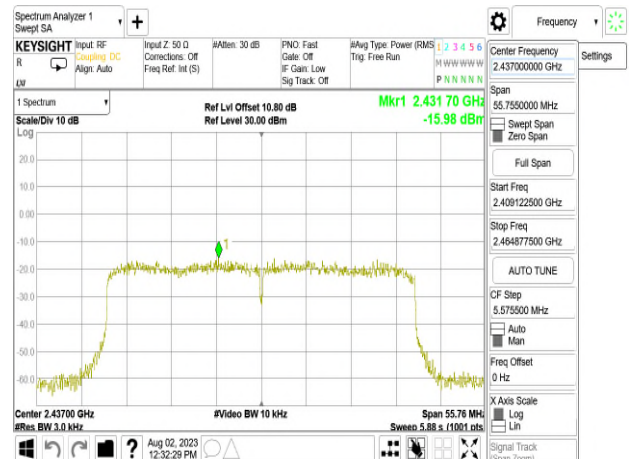
802.11ax_40MHz_Chain0_2422MHz_SU



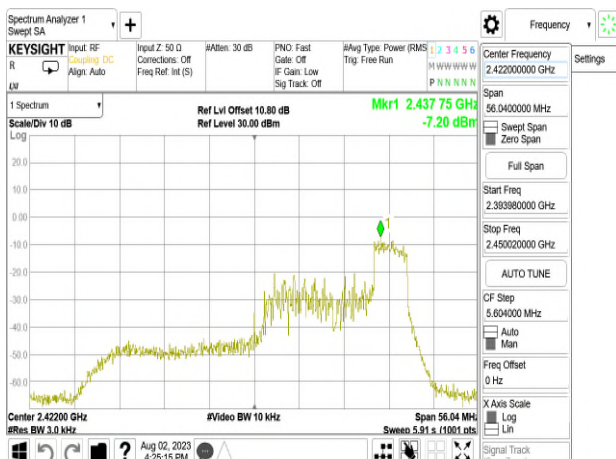
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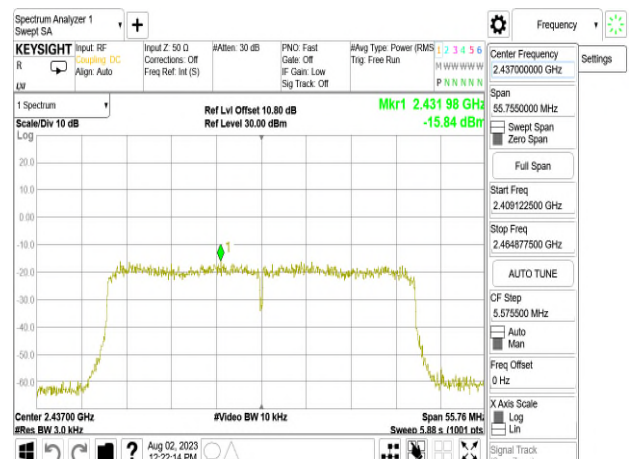
802.11ax_40MHz_Chain0_2437MHz_RU



802.11ax_40MHz_Chain0_2422MHz_RU52_44



802.11ax_40MHz_Chain0_2437MHz_SU

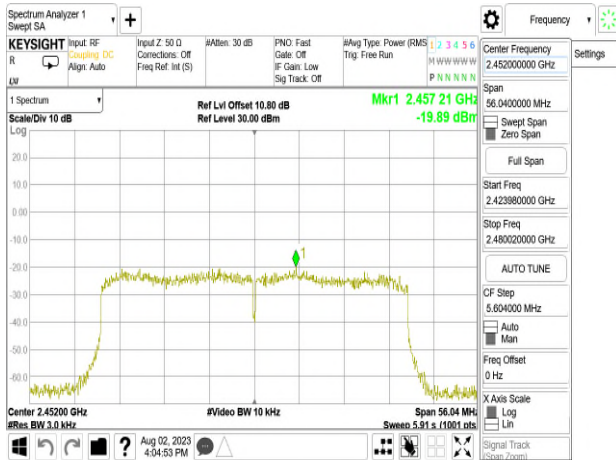


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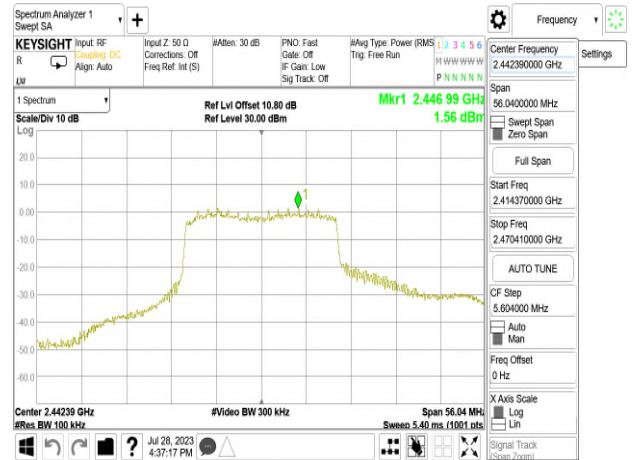
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802.11ax_40MHz_Chain0_2452MHz_RU



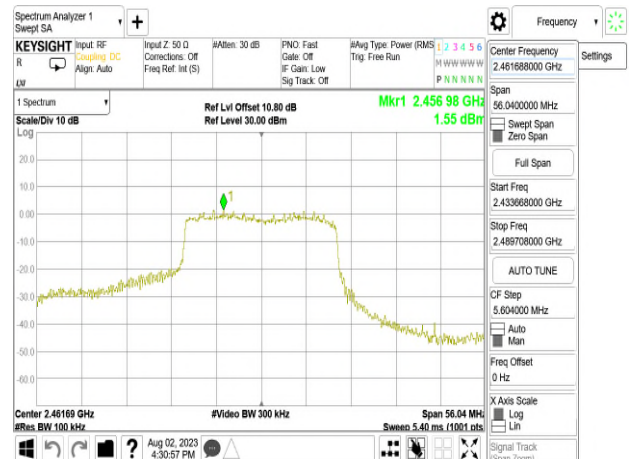
802.11ax_40MHz_Chain0_2452MHz_RU242_61



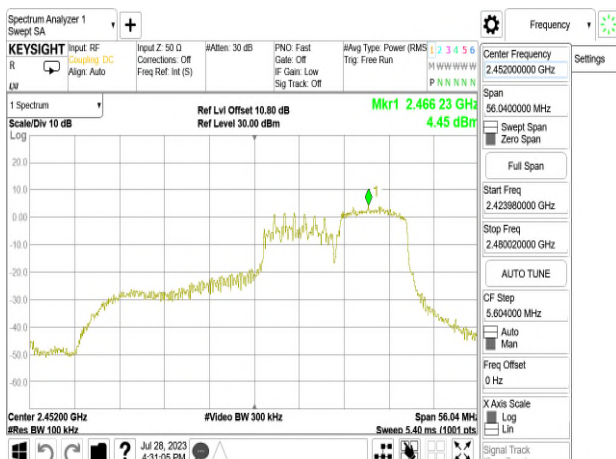
802.11ax_40MHz_Chain0_2452MHz_RU106_53



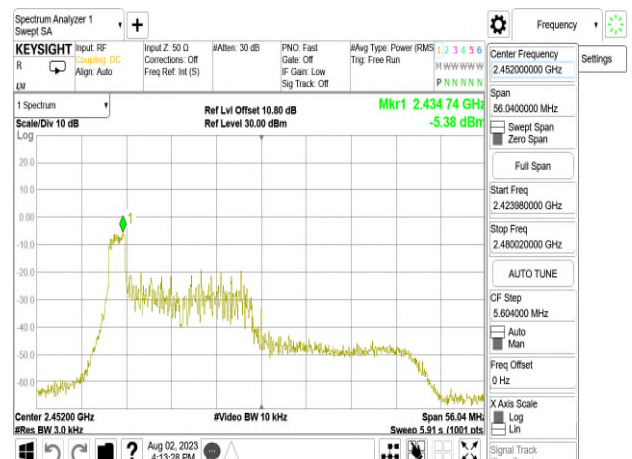
802.11ax_40MHz_Chain0_2452MHz_RU242_62



802.11ax_40MHz_Chain0_2452MHz_RU106_56



802.11ax_40MHz_Chain0_2452MHz_RU26_0

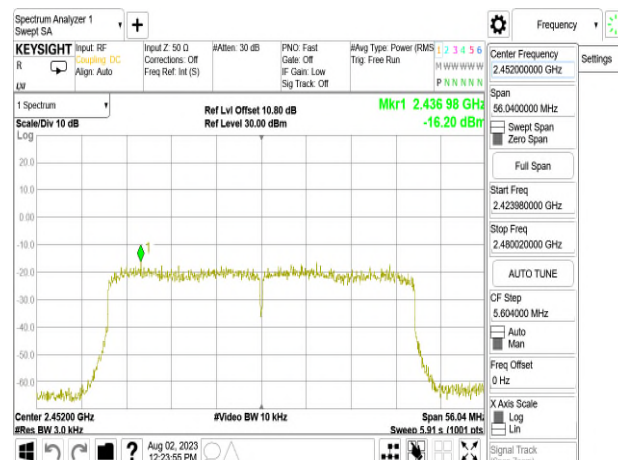


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802.11ax 40MHz Chain0 2452MHz SU



Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input RF: Coupling DC, Align: Auto, Input Z: 50 Ω, Connections: Off, Freq Ref: Int (S), #Att: 30 dB, PNO: Fast, Gate: Off, IF Gain: Low, Sig Track: Off, #Avg Type: Power (RMS), Trig: Free Run, 1 2 3 4 5 6, Mkr1 2.436 53 GHz, -7.49 dBm, P N N N N N

1 Spectrum, Scale/Div 10 dB, Log, Ref Lvl Offset 10.80 dB, Ref Level 30.00 dBm, Center 2.45200 GHz, #Res BW 3.0 kHz, #Video BW 10 kHz, Span 56.04 MHz, Sweep 5.91 s (1001 pts), X Axis Scale: Log, Lin, Freq Offset 0 Hz, CF Step 5.604000 MHz, Stop Freq 2.480020000 GHz, Start Freq 2.423880000 GHz, Full Span, Zero Span, Sweep, AUTO TUNE, Man

The screenshot displays a Keysight Spectrum Analyzer interface. The main display shows a spectrum plot with a yellow trace. A peak is identified with a green diamond marker and labeled "Mkr1 2.467 24 GHz -8.31 dBm". The plot has a logarithmic scale (Log) and a resolution bandwidth (RBW) of 3.0 kHz. The center frequency is 2.45200 GHz. The interface includes several control panels:

- Top Panel:** Spectrum Analyzer 1, Sweep SA, Input RF, Coupling DC, Input 2 50 Ω, Connections: Off, Freq Ref Int (S), PNO: Fast, Gate: Off, IF Gain: Low, Sig Track: Off, Res Type: Power (RMS), Trig: Free Run, and a frequency range of 1.2 to 4.56 GHz.
- Left Panel:** 1 Spectrum, Scale/Div 10 dB, Log.
- Right Panel:** Center Frequency 2.45200000 GHz, Span 56.0400000 MHz, Sweep Span Zero Span, Full Span, Start Freq 2.423980000 GHz, Stop Freq 2.480200000 GHz, AUTO TUNE, CF Step 5.604000 MHz, Auto Man, Freq Offset 0 Hz, X Axis Scale Log Lin, and Signal Track.
- Bottom Panel:** Center 2.45200 GHz, #Video BW 10 kHz, Span 56.04 MHz, Sweep 5.91 s (1001 pts), and a date/time stamp of Aug 02, 2023 1:05:02 PM.

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13 ANTENNA REQUIREMENT

13.1 Standard Applicable

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

13.2 Antenna Connected Construction:

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

~ End of Report ~

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