

# ELECTROMAGNETIC EMISSIONS **CLASS II & IV PERMISSIVE CHANGE** REPORT



Applicant:	Acer Incorporated 8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 22181, Taiwan (R.O.C)
Manufacturer:	Qunata Computer Inc. 211 Wen Hwa 2nd Rd., Kueishan, Taoyuan 33377, Taiwan
Product Name:	11ax RTL8852AE Combo Module
Brand Name:	acer
Model No.:	RTL8852AE
Report Number:	TERF2204000361E2
FCC ID	HLZRTL8852AE
IC:	1754F-RTL8852AE
Issue Date:	Jun. 17, 2022
Date of Test:	Apr. 19, 2022~May. 26, 2022
Date of EUT Received:	Apr. 06, 2022

Approved By

#### lav Lin

### We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT comply with FCC rule part §15.247, ISED RSS-247.

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

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Revision History					
Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2204000361E2	00	Original.	Jun. 17, 2022	Yi-Shan Tsai	

Note:

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

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#### **GENERAL INFORMATION** 1

# **1.1 Product description**

Product Name:	11ax RTL8852AE Combo Module	
Brand Name:	acer	
Model No.:	RTL8852AE	
EUT Series No.:	N8KA3WW0012080BCE27600A	
Power Supply:	11.61Vdc from Rechargeable Lithium Ion Battery Pack 5 / 9 / 12 / 15 / 20Vdc from AC/DC Adapter	

# **1.2 RF Specification**

Wi-Fi	Frequency Range	Channels	Rated Power in dBm (Peak)	Modulation Technology	
802.11b	2412~2472	13	25.98	DSSS	
802.11g	2412~2472	13	29.90	OFDM	
802.11ac20	2412~2472	13	29.86	OFDM	
802.11ac40	2422~2462	9	29.01	OFDM	
802.11ax20	2412~2472	13	29.94	OFDMA	
802.11ax40	2422~2462	9	28.39	OFDMA	
		CCK, DQPS	SK, DBPSK for DSS	S	
		256 QAM, 64QAM, 16QAM, QPSK, BPSK for			
Modulatic	on type:	OFDM			
		1024 QAM, 256 QAM , 64QAM, 16QAM,			
		QPSK, BPSK for OFDMA			
		802.11 b: 1/2/5.5/11 Mbps			
		802.11 g: 6/9/12/18/24/36/48/54 Mbps			
		802.11 n_20MHz:up to 144.4Mbps			
Dete D	lata	802.11 n_40MHz:up to 300Mbps			
Dala R	Data Rate:		802.11 ac_20MHz:up to 173.3Mbps		
		802.11 ac_40MHz:up to 400Mbps			
		802.11 ax_20MHz:up to 286.8Mbps			
		802.11 ax_4	10MHz:up to 573.6M	bps	

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### **1.3 Antenna Designation**

Antenna Type	Supplier	Main / Aux	Antenna Part No.	Freq. (MHz)	Peak Antenna Gain (dBi)	Direction Gain (dBi)
		Main	0440 0470	1.48	4.28	
PIFA	WNC	Aux	81EABS15.G72	2412-2472	1.05	4.28
NI. (.						

Note:

Pre-scanned was done on the above antennas, measurements were demonstrated by using the an-1.

- tenna 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 DTS Meas, Guidance v05r02 FCC KDB 662911 D01 Multiple Transmitter Output v02r01 RSS-247 issue 2 Feb. 2017 RSS-Gen Issue 5, Amendment 2, February 2021 ANSI C63.10:2013

### 1.5 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designa- tion number	IC CAB identifier
		SAC 1		
		SAC 3		
		Conduction 1		
	No.134, Wu Kung Road, New Taipei	Conducted 1		
	Industrial Park, Wuku District, New	Conducted 2	TW0027	
	Taipei City, Taiwan.	Conducted 3		TW3702
		Conducted 4		
		Conducted 5		
CCC Taiwan Ltd		Conducted 6		
SGS Taiwan Ltd. Central RF Lab.	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction C	TW0028	
(TAF code 3702)		SAC C		
$(1A1 \ COUE \ 5702)$		SAC D		
		SAC G		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
		Conducted G	]	
<b>Note:</b> Test site name is remarked on the equipment list in each section of this report as an indica- tion 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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# 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 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.

### 2.3.2 Radiated Emissions

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

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### 2.4 Measurement Results Explanation Example

### 2.4.1 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

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

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

### 2.4.2 For all conducted test items:

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

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# 2.5 Test Configuration

Conducted Setup	Radiated Setup
EUT	Adaptor

# 2.6 Control Unit(s)

Radiated Emission Test Site: SAC D					
EQUIPMENT TYPE					
Adapter	LITEON	PA-1650-58	N/A	N.C.R	N.C.R

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#### SUMMARY OF TEST RESULTS 3

FCC Rules	IC Rules	Description Of Test	Result
§15.247(b) (3)	RSS-247 §5.4 d	Peak Output Power	Compliant
§15.247(d) §15.209	RSS-247 §5.5 RSS-Gen §8.9 RSS-Gen §8.10 RSS-Gen §6.13	Radiated Band Edge & Radiated Spurious Emission	Compliant

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		Member of SGS Group			



#### **DESCRIPTION OF TEST MODES** 4

4.1 Operated in 2400 ~ 2483.5MHz Band

13 channels are provided for 802.11b/g/ac/ax 20M.

CHANNEL	FREQUENCY (MHz)
1	2412
2	2417
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462
12	2467
13	2472

•	
CHANNEL	FREQUENCY
CHANNEL	(MHz)
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462

9 channels are provided for 802.11ac/ax 40M

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# 4.2 The Worst Test Modes and Channel Details

- 1. The EUT has been tested under operating condition.
- 2. aTest 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	Tr	ansmiss	ion Chai	Multiple Transmission Spatial	
 ⊠ 802.11 b	⊠ Ch0	🛛 Ch1	□ Ch2	□ Ch3	
⊠ 802.11 g	⊠ Ch0				⊠ 2TX
⊠ 802.11 ac	🛛 Ch0	🛛 Ch1	🗆 Ch2	🗆 Ch3	⊠ MIMO
⊠ 802.11 ax	⊠ Ch0	🛛 Ch1	🗆 Ch2	🗆 Ch3	⊠ MIMO

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.

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# 4.3 Radiated Emission Test:

	RADIATED	EMISSION TEST	(BELOW 1 GH	z)	
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11g	1 to 13	1,6,11,12,13	OFDM	6	2TX

	RADIATED	EMISSION TEST	(ABOVE 1 GH	z)	
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11b	1 to 13	1,6,11,12,13	DSSS	1	2TX
802.11g	1 to 13	1,6,11,12,13	OFDM	6	2TX
802.11ac (VHT20)	1 to 13	1,6,11,12,13	OFDM	MCS8	MIMO
802.11ac (VHT40)	3 to 11	3,6,9,10,11	OFDM	MCS8	MIMO
802.11ax (HE20)	1 to 13	1,6,11,12,13	OFDMA	MCS0	MIMO
802.11ax (HE40)	3 to 11	3,6,9,10,11	OFDMA	MCS0	MIMO

# 4.4 Antenna Port Conducted Mesurement:

		Conducted	l		
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11b	1 to 13	1,6,11,12,13	DSSS	1	2TX
802.11g	1 to 13	1,6,11,12,13	OFDM	6	2TX
802.11ac (VHT20)	1 to 13	1,6,11,12,13	OFDM	MCS8	MIMO
802.11ac (VHT40)	3 to 11	3,6,9,10,11	OFDM	MCS8	MIMO
802.11ax (HE20)	1 to 13	1,6,11,12,13	OFDMA	MCS0	MIMO
802.11ax (HE40)	3 to 11	3,6,9,10,11	OFDMA	MCS0	MIMO

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#### **MEASUREMENT UNCERTAINTY** 5

Radiated Spurio	Radiated Spurious Emission Measurement Uncertainty							
	+/-	2.57	dB	9kHz~30MHz				
Polarization: Vortical	+/-	4.85	dB	30MHz - 1000MHz				
Polarization: Vertical	+/-	4.45	dB	1GHz - 18GHz				
	+/-	4.24	dB	18GHz - 40GHz				
	+/-	2.57	dB	9kHz~30MHz				
Polarization: Horizontal	+/-	4.37	dB	30MHz - 1000MHz				
	+/-	4.45	dB	1GHz - 18GHz				
	+/-	4.24	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 PEAK OUTPUT POWER MEASUREMENT

# 6.1 Standard Applicable

# 6.1.1 Output Power

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.

If the transmitting antenna of directional gain greater than 6dBi are used the peak output power form the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the Antenna exceeds 6dBi.

In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of Antenna exceeds 6dBi.

# Note:

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

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

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

# where

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

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

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

 $G_k$  is the gain in dBi of the kth antenna.

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

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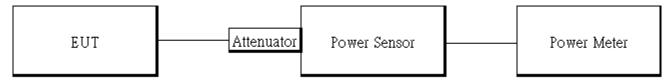
# 6.2 Measurement Equipment Used

	Conduc	ted Emission Test	Site: Conducted	D	
EQUIPMENT TYPE	MFR	MODEL NUM- BER	SERIAL NUM- BER	LAST CAL.	CAL DUE.
Spectrum Ana- lyzer	KEYSIGHT	N9010B	MY59071574	06/25/2021	06/24/2022
Power Meter	Anritsu	ML2496A	2138002	11/12/2021	11/11/2022
Power Sensor	Anritsu	MA2411B	1911390	09/20/2021	09/19/2022
Power Sensor	Anritsu	MA2411B	1911398	09/22/2021	09/21/2022
Test Software	SGS Taiwan	Radio Test Soft- ware	Ver.21	N.C.R	N.C.R
Attenuator	Marvelous	WATT-218FS-10	RF15	11/18/2021	11/17/2022
Attenuator	Marvelous	WATT-218FS-10	RF16	11/18/2021	11/17/2022
DC Block	PASTERNACK	PE8210	RF158	11/18/2021	11/17/2022

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

# 6.3 Test Setup

### 6.3.1 Output Power:



### 6.4 Measurement Procedure

### 6.4.1 Output Power

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

# **Power Meter:**

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

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

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### 6.5 Measurement Result

#### 6.5.1 Output Power

802.1 <sup>°</sup>	1b_2TX							
СН	Freq. (MHz)	Data Rate	Power set		Dutput wer	Total Peak Output Power	Limit (dBm)	RESULT
	(11112)	Nate	301	CH 0	CH 1	(dBm)	(ubiii)	
1	2412	1	18	19.71	19.35	22.54	30.00	PASS
6	2437	1	21	23.05	22.89	25.98	30.00	PASS
11	2462	1	16.5	19.17	18.97	22.08	30.00	PASS
12	2467	1	14	16.43	16.25	19.35	30.00	PASS
13	2472	1	11.5	14.02	13.91	16.98	30.00	PASS
802.1 <sup>-</sup>	1b_2TX							
				Avg. C	Dutput	Max. Avg. Output		
СН	Freq.	Data	Power	Po	wer	include tune up	Limit	RESULT
СП	(MHz)	Rate	set	(dE	Bm)	tolerance Power	(dBm)	RESULT
				CH 0	CH 1	(dBm)		
1	2412	1	18	17.61	17.27	20.45	30.00	PASS
6	2437	1	21	21.05	20.81	23.94	30.00	PASS
11	2462	1	16.5	17.03	16.86	19.96	30.00	PASS
12	2467	1	14	14.47	14.26	17.38	30.00	PASS
13	2472	1	11.5	12.09	11.81	14.96	30.00	PASS

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802 11a 2TX

	Freq.	Data	Power	Peak C	Dutput	Total Peak	Limit	
СН	-			Po	wer	Output Power		RESULT
	(MHz)	Rate	set	CH 0	CH 1	(dBm)	(dBm)	
1	2412	6	17.5	26.15	25.94	29.06	30.00	PASS
6	2437	6	22.5	27.03	26.75	29.90	30.00	PASS
11	2462	6	17.5	26.05	25.86	28.97	30.00	PASS
12	2467	6	13.5	23.13	22.78	25.97	30.00	PASS
13	2472	6	13	22.65	22.39	25.53	30.00	PASS
802.1	1g_2TX							
				Avg. C	Dutput	Max. Avg. Output		
СН	Freq.	Data	Power	Po	wer	include tune up	Limit	
Сп	(MHz)	Rate	set	(dE	Bm)	tolerance Power	(dBm)	RESULT
				CH 0	CH 1	(dBm)		
1	2412	6	17.5	17.15	16.85	20.04	30.00	PASS
6	2437	6	22.5	22.13	21.87	25.04	30.00	PASS
11	2462	6	17.5	17.07	16.78	19.97	30.00	PASS
12	2467	6	13.5	13.82	13.71	16.81	30.00	PASS
13	2472	6	13	13.32	13.19	16.30	30.00	PASS
802.1	1ac_VHT2							
		Dete	D	Peak C	Dutput	Total Peak	1	
СН	Freq.	Data	Power	Po	wer	Output Power	Limit	RESULT
	(MHz)	Rate	set	CH 0	CH 1	(dBm)	(dBm)	
1	2412	MCS8	16.5	26.28	25.91	29.11	30.00	PASS
6	2437	MCS8	21.5	26.98	26.71	29.86	30.00	PASS
11	2462	MCS8	16	25.71	25.52	28.63	30.00	PASS
12	2467	MCS8	14.5	24.25	23.95	27.11	30.00	PASS
13	2472	MCS8	13.5	23.29	23.02	26.17	30.00	PASS
802.1	1ac_VHT2	OM MIMO						
				Avg. C	Dutput	Max. Avg. Output		
СН	Freq.	Data	Power	Po	wer	include tune up	Limit	RESULT
СП	(MHz)	Rate	set	(dE	Bm)	tolerance Power	(dBm)	RESULT
				CH 0	CH 1	(dBm)		
1	2412	MCS8	16.5	16.35	16.11	19.26	30.00	PASS
6	2437	MCS8	21.5	21.34	20.93	24.17	30.00	PASS
	2462	MCS8	16	15.78	15.57	18.71	30.00	PASS
11	2402							
11 12	2467	MCS8	14.5	14.33	14.09	17.24	30.00	PASS

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# 802 11ac VHT40M MIMO

002.1				Deale	<b></b>	Total Dool		
СН	Freq. (MHz)	Data Rate	Power		Dutput wer	Total Peak Output Power	Limit	RESULT
	(11112)	Rale	set	CH 0	CH 1	(dBm)	(dBm)	
3	2422	MCS8	14.5	24.26	23.92	27.10	30.00	PASS
6	2437	MCS8	16	26.24	25.74	29.01	30.00	PASS
9	2452	MCS8	14	23.75	23.42	26.60	30.00	PASS
10	2457	MCS8	13	22.77	22.47	25.63	30.00	PASS
11	2462	MCS8	13	22.69	22.38	25.55	30.00	PASS
802.1 <sup>-</sup>	1ac_VHT4	0M MIMO						
				Avg. C	Dutput	Max. Avg. Output		
СН	Freq.	Data	Power	Po	wer	include tune up	Limit	RESULT
СП	(MHz)	Rate	set	(dE	Bm)	tolerance Power	(dBm)	RESULT
				CH 0	CH 1	(dBm)		
3	2422	MCS8	14.5	14.27	13.88	17.18	30.00	PASS
6	2437	MCS8	16	16.25	15.81	19.14	30.00	PASS
9	2452	MCS8	14	13.78	13.45	16.72	30.00	PASS
10	2457	MCS8	13	12.71	12.52	15.72	30.00	PASS
11	2462	MCS8	13	12.62	12.43	15.63	30.00	PASS

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СН	Freq. (MHz)	Data Rate	RU Config	Power set		Dutput wer CH 1	Total Peak Output Power (dBm)	Limit (dBm)	RESULT
			£.11	47			(dBm)	20.00	PASS
			full	17	25.65	25.26	28.47	30.00	PASS
1	2412	MCS0	26/0	18.5	27.01	26.85	29.94	30.00	
			52/37 106/53	18.5	26.97	26.76	29.88	30.00	PASS PASS
				19	26.93	26.72	29.84 29.80	30.00	PASS
			full	22	26.90	26.68		30.00	PASS
6	2437	MCS0	26/4	22.5	26.96	26.73	29.86	30.00	PASS
			52/39	22.5	27.01	26.77	29.90	30.00	PASS
			106/5	22.5	26.91	26.66	29.80	30.00	_
			full	16.5	25.16	24.78	27.98	30.00	PASS
11	2462	MCS0	26/8	18	26.65	16.34	27.04	30.00	PASS
			52/40	19	27.02	26.80	29.92	30.00	PASS
			106/54	20	26.99	26.76	29.89	30.00	PASS
			full	10.5	20.07	19.73	22.91	30.00	PASS
12	2467	MCS0	26/8	14.5	24.85	24.66	27.77	30.00	PASS
			52/40	16.5	25.50	25.26	28.39	30.00	PASS
			106/5	12.5	22.67	22.35	25.52	30.00	PASS
			full	10.5	19.34	19.02	22.19	30.00	PASS
13	2472	MCS0	26/8	9.5	19.81	19.58	22.71	30.00	PASS
			52/40	10	18.94	18.82	21.89	30.00	PASS
			106/54	7.5	17.63	17.51	20.58	30.00	PASS
302.1	1ax_HE20		)						-
	-	5.		_	-	Output	Max. Avg. Output		
СН	Freq.	Data							
	/*** · · ·		RU	Power		wer	include tune up	Limit	RESUL
	(MHz)	Rate	Config	Power set	(dE	Bm)	tolerance Power	Limit (dBm)	RESUL
	(MHz)		Config	set	(dE CH 0	Sm) CH 1	tolerance Power (dBm)	(dBm)	
	(MHz)		Config full	<b>set</b> 17	(dE CH 0 16.54	<b>3m)</b> CH 1 16.31	tolerance Power (dBm) 19.47	( <b>dBm)</b> 30.00	PASS
1	<b>(MHz)</b> 2412		Config full 26/0	<b>set</b> 17 18.5	(dE CH 0 16.54 17.81	<b>6m)</b> <b>CH 1</b> 16.31 17.59	tolerance Power (dBm) 19.47 20.74	(dBm) 30.00 30.00	PASS PASS
1		Rate	Config full 26/0 52/37	<b>set</b> 17 18.5 18.5	(dE CH 0 16.54 17.81 17.86	<b>CH 1</b> 16.31 17.59 17.65	tolerance Power (dBm) 19.47 20.74 20.80	(dBm) 30.00 30.00 30.00	PASS PASS PASS
1		Rate	Config full 26/0 52/37 106/53	<b>set</b> 17 18.5 18.5 19	(dE CH 0 16.54 17.81 17.86 18.29	<b>CH 1</b> 16.31 17.59 17.65 18.07	tolerance Power (dBm) 19.47 20.74 20.80 21.22	(dBm) 30.00 30.00 30.00 30.00	PASS PASS PASS PASS
1		Rate	Config full 26/0 52/37 106/53 full	<b>set</b> 17 18.5 18.5 19 22	(dE CH 0 16.54 17.81 17.86 18.29 21.47	<b>CH 1</b> 16.31 17.59 17.65 18.07 21.12	tolerance Power (dBm) 19.47 20.74 20.80 21.22 24.34	(dBm) 30.00 30.00 30.00 30.00 30.00	PASS PASS PASS PASS
	2412	Rate MCS0	Config full 26/0 52/37 106/53 full 26/4	<b>set</b> 17 18.5 18.5 19 22 22.5	(dE CH 0 16.54 17.81 17.86 18.29 21.47 21.85	<b>Generation</b> <b>CH 1</b> 16.31 17.59 17.65 18.07 21.12 21.74	tolerance Power (dBm) 19.47 20.74 20.80 21.22 24.34 24.84	(dBm) 30.00 30.00 30.00 30.00 30.00 30.00	PASS PASS PASS PASS PASS PASS
1		Rate	Config full 26/0 52/37 106/53 full 26/4 52/39	set 17 18.5 18.5 19 22 22.5 22.5	(dE CH 0 16.54 17.81 17.86 18.29 21.47 21.85 21.92	CH 1   16.31   17.59   17.65   18.07   21.12   21.74   21.79	tolerance Power (dBm) 19.47 20.74 20.80 21.22 24.34 24.84 24.84 24.90	(dBm) 30.00 30.00 30.00 30.00 30.00 30.00 30.00	PASS PASS PASS PASS PASS PASS PASS
	2412	Rate MCS0	Config full 26/0 52/37 106/53 full 26/4 52/39 106/5	set 17 18.5 18.5 19 22 22.5 22.5 22.5 22.5	(dE CH 0 16.54 17.81 17.86 18.29 21.47 21.85 21.92 21.92 21.95	GH 1   16.31   17.59   17.65   18.07   21.12   21.74   21.79   21.84	tolerance Power (dBm) 19.47 20.74 20.80 21.22 24.34 24.84 24.90 24.90 24.94	(dBm) 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	PASS PASS PASS PASS PASS PASS PASS PASS
	2412	Rate MCS0	Config full 26/0 52/37 106/53 full 26/4 52/39 106/5 full	set 17 18.5 18.5 19 22 22.5 22.5 22.5 22.5 16.5	(dE CH 0 16.54 17.81 17.86 18.29 21.47 21.85 21.92 21.92 21.95 16.02	CH 1   16.31   17.59   17.65   18.07   21.12   21.74   21.79	tolerance Power (dBm) 19.47 20.74 20.80 21.22 24.34 24.84 24.84 24.90	(dBm) 30.00 30.00 30.00 30.00 30.00 30.00 30.00	PASS PASS PASS PASS PASS PASS PASS PASS
6	2412	Rate MCS0 MCS0	Config full 26/0 52/37 106/53 full 26/4 52/39 106/5	set 17 18.5 18.5 19 22 22.5 22.5 22.5 22.5	(dE CH 0 16.54 17.81 17.86 18.29 21.47 21.85 21.92 21.92 21.95	GH 1   16.31   17.59   17.65   18.07   21.12   21.74   21.79   21.84	tolerance Power (dBm) 19.47 20.74 20.80 21.22 24.34 24.84 24.90 24.90 24.94	(dBm) 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	PASS PASS PASS PASS PASS PASS PASS PASS
	2412	Rate MCS0	Config full 26/0 52/37 106/53 full 26/4 52/39 106/5 full	set 17 18.5 18.5 19 22 22.5 22.5 22.5 22.5 16.5	(dE CH 0 16.54 17.81 17.86 18.29 21.47 21.85 21.92 21.92 21.95 16.02	CH 1   16.31   17.59   17.65   18.07   21.12   21.74   21.79   21.84   15.79	tolerance Power (dBm) 19.47 20.74 20.80 21.22 24.34 24.84 24.90 24.94 18.95	(dBm) 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	PASS PASS PASS PASS PASS PASS PASS PASS
6	2412	Rate MCS0 MCS0	Config full 26/0 52/37 106/53 full 26/4 52/39 106/5 full 26/8	set 17 18.5 19 22 22.5 22.5 22.5 16.5 18	(dE CH 0 16.54 17.81 17.86 18.29 21.47 21.85 21.92 21.92 21.95 16.02 17.03	GH 1   16.31   17.59   17.65   18.07   21.12   21.74   21.79   21.84   15.79   13.63	tolerance Power (dBm) 19.47 20.74 20.80 21.22 24.34 24.84 24.90 24.90 24.94 18.95 18.69	(dBm) 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	PASS PASS PASS PASS PASS PASS PASS PASS
6	2412	Rate MCS0 MCS0	Config full 26/0 52/37 106/53 full 26/4 52/39 106/5 full 26/8 52/40	set   17   18.5   19   22   22.5   22.5   16.5   18   19	(dE CH 0 16.54 17.81 17.86 18.29 21.47 21.85 21.92 21.92 21.95 16.02 17.03 18.02	CH 1   16.31   17.59   17.65   18.07   21.12   21.74   21.79   21.84   15.79   13.63   16.07   10.45	tolerance Power (dBm) 19.47 20.74 20.80 21.22 24.34 24.84 24.90 24.90 24.94 18.95 18.69 20.19	(dBm) 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	PASS PASS PASS PASS PASS PASS PASS PASS
6	2412 2437 2462	Rate MCS0 MCS0 MCS0	Config full 26/0 52/37 106/53 full 26/4 52/39 106/5 full 26/8 52/40 106/54	set   17   18.5   19   22   22.5   22.5   16.5   18   19   22	(dE CH 0 16.54 17.81 17.86 18.29 21.47 21.85 21.92 21.92 21.95 16.02 17.03 18.02 18.95	GH 1   16.31   17.59   17.65   18.07   21.12   21.74   21.79   21.84   15.79   13.63   16.07   16.99	tolerance Power (dBm) 19.47 20.74 20.80 21.22 24.34 24.90 24.90 24.90 24.94 18.95 18.69 20.19 21.12	(dBm) 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	PASS PASS PASS PASS PASS PASS PASS PASS
6	2412	Rate MCS0 MCS0	Config full 26/0 52/37 106/53 full 26/4 52/39 106/5 full 26/8 52/40 106/54 full	set   17   18.5   19   22   22.5   22.5   16.5   18   19   20   10.5	(dE CH 0 16.54 17.81 17.86 18.29 21.47 21.92 21.92 21.95 16.02 17.03 18.02 18.95 10.66	CH 1   16.31   17.59   17.65   18.07   21.12   21.74   21.79   21.84   15.79   13.63   16.07   10.45	tolerance Power (dBm) 19.47 20.74 20.80 21.22 24.34 24.84 24.90 24.94 18.95 18.69 20.19 21.12 13.60	(dBm) 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	PASS PASS PASS PASS PASS PASS PASS PASS
6	2412 2437 2462	Rate MCS0 MCS0 MCS0	Config full 26/0 52/37 106/53 full 26/4 52/39 106/5 full 26/8 52/40 106/54 full 26/8	set   17   18.5   19   22   22.5   22.5   16.5   18   19   20   10.5   14.5	(dE CH 0 16.54 17.81 17.86 18.29 21.47 21.85 21.92 21.95 16.02 17.03 18.02 18.95 10.66 14.73	Bm)   CH 1   16.31   17.59   17.65   18.07   21.12   21.74   21.79   21.84   15.79   13.63   16.07   10.45   14.55	tolerance Power   (dBm)   19.47   20.74   20.80   21.22   24.34   24.84   24.90   24.94   18.95   18.69   20.19   21.12   13.60   17.68	(dBm) 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	PASS PASS PASS PASS PASS PASS PASS PASS
6	2412 2437 2462	Rate MCS0 MCS0 MCS0	Config full 26/0 52/37 106/53 full 26/4 52/39 106/5 full 26/8 52/40 106/54 full 26/8 52/40	set   17   18.5   19   22   22.5   22.5   16.5   14.5   16.5	(dE CH 0 16.54 17.81 17.86 18.29 21.47 21.85 21.92 21.95 16.02 17.03 18.02 18.95 10.66 14.73 16.51	GH 1   16.31   17.59   17.65   18.07   21.12   21.74   21.79   21.84   15.79   13.63   16.07   16.99   10.45   14.55   16.29	tolerance Power   (dBm)   19.47   20.74   20.80   21.22   24.34   24.84   24.90   24.91   18.95   18.69   20.19   21.12   13.60   17.68   19.44	(dBm) 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	PASS PASS PASS PASS PASS PASS PASS PASS
6 11 12	2412 2437 2462 2467	Rate MCS0 MCS0 MCS0 MCS0	Config full 26/0 52/37 106/53 full 26/4 52/39 106/5 full 26/8 52/40 106/54 full 26/8 52/40 106/5	set   17   18.5   19   22   22.5   22.5   16.5   18   19   20   10.5   14.5   16.5   12.5	(dE CH 0 16.54 17.81 17.86 18.29 21.47 21.92 21.92 21.95 16.02 17.03 18.02 18.95 10.66 14.73 16.51 13.36	GH 1   16.31   17.59   17.65   18.07   21.12   21.74   21.79   21.84   15.79   13.63   16.07   16.99   10.45   14.55   16.29   13.18	tolerance Power   (dBm)   19.47   20.74   20.80   21.22   24.34   24.84   24.90   24.94   18.95   18.69   20.19   21.12   13.60   17.68   19.44   16.31	(dBm) 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00	PASS PASS PASS PASS PASS PASS PASS PASS
6	2412 2437 2462	Rate MCS0 MCS0 MCS0	Config full 26/0 52/37 106/53 full 26/4 52/39 106/5 full 26/8 52/40 106/54 full 26/8 52/40 106/5 full 26/8 52/40 106/5 full	set   17   18.5   19   22   22.5   22.5   22.5   16.5   18   19   20   10.5   14.5   10.5   12.5   10.5	(dE CH 0 16.54 17.81 17.86 18.29 21.47 21.92 21.92 21.92 21.95 16.02 17.03 18.02 18.95 10.66 14.73 16.51 13.36 9.94	CH 1   16.31   17.59   17.65   18.07   21.12   21.74   21.79   21.84   15.79   13.63   16.07   14.55   16.29   13.18   9.87	tolerance Power   (dBm)   19.47   20.74   20.80   21.22   24.34   24.84   24.90   24.94   18.95   18.69   20.19   21.12   13.60   17.68   19.44   16.31   12.95	(dBm) 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30	PASS PASS PASS PASS PASS PASS PASS PASS

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802.1	1ax_HE40		)						
СН	Freq.	Data	RU	Power	Peak Output Power		Total Peak Output Power	Limit	RESULT
	(MHz)	Rate	Config	set	CH 0	CH 1	(dBm)	(dBm)	
3	2422	MCS0	full	15	24.02	23.65	26.85	30.00	PASS
6	2437	MCS0	full	16.5	25.52	25.24	28.39	30.00	PASS
9	2452	MCS0	full	13	22.07	21.87	24.98	30.00	PASS
10	2457	MCS0	full	13.5	22.45	22.16	25.32	30.00	PASS
11	2462	MCS0	full	13.5	22.38	22.12	25.26	30.00	PASS
802.1 <sup>-</sup>	1ax_HE40		)						
					Avg. C	Dutput	Max. Avg. Output		
СН	Freq.	Data	RU	Power	Po	wer	include tune up	Limit	RESULT
СП	(MHz)	Rate	Config	set	(dE	Bm)	tolerance Power	(dBm)	REJULI
					CH 0	CH 1	(dBm)		
3	2422	MCS0	full	15	14.51	14.22	17.48	30.00	PASS
6	2437	MCS0	full	16.5	16.19	15.94	19.18	30.00	PASS
9	2452	MCS0	full	13	12.48	12.25	15.48	30.00	PASS
10	2457	MCS0	full	13.5	12.88	12.69	15.90	30.00	PASS
11	2462	MCS0	full	13.5	12.81	12.58	15.81	30.00	PASS



802.11	b_2TX								
СН	CH Freq. (MHz)	Data Rate	•	Dutput wer	Total Avg. Output Power	Antenna Gain	EIRP (dBm)	Limit (dBm)	RESULT
	(191112)	Nate	CH 0	CH 1	(dBm)	(dBi)	(ubiii)	(abiii)	
1	2412	1	17.61	17.27	20.45	4.28	24.73	36	PASS
6	2437	1	21.05	20.81	23.94	4.28	28.22	36	PASS
11	2462	1	17.03	16.86	19.96	4.28	24.24	36	PASS
12	2467	1	14.47	14.26	17.38	4.28	21.66	36	PASS
13	2472	1	12.09	11.81	14.96	4.28	19.24	36	PASS

802.11	802.11g_2TX												
СН	Freq. (MHz)	Data Rate	-	Dutput wer	Total Avg. Output Power	Antenna Gain	EIRP (dBm)	Limit (dBm)	RESULT				
	(11112)		CH 0	CH 1	(dBm)	(dBi)	(ubiii)	(abiii)					
1	2412	6	17.15	16.85	20.04	4.28	24.32	36	PASS				
6	2437	6	22.13	21.87	25.04	4.28	29.32	36	PASS				
11	2462	6	17.07	16.78	19.97	4.28	24.25	36	PASS				
12	2467	6	13.82	13.71	16.81	4.28	21.09	36	PASS				
13	2472	6	13.32	13.19	16.30	4.28	20.58	36	PASS				

802.11	ac_VHT2								
СН	Freq. (MHz)	Data Rate	Avg. C Pov	Dutput wer	Total Avg. Output Power	Antenna Gain	EIRP (dBm)	Limit (dBm)	RESULT
		Nate	CH 0	CH 1	(dBm)	(dBi)	(abiii)	(abiii)	
1	2412	MCS8	16.35	16.11	19.26	4.28	23.54	36	PASS
6	2437	MCS8	21.34	20.93	24.17	4.28	28.45	36	PASS
11	2462	MCS8	15.78	15.57	18.71	4.28	22.99	36	PASS
12	2467	MCS8	14.33	14.09	17.24	4.28	21.52	36	PASS
13	2472	MCS8	13.37	13.14	16.29	4.28	20.57	36	PASS

802.11	ac_VHT4	DM MIMO Data	Avg. C	Dutput	Total Avg.	Antenna	EIRP	Limit	RESULT
СН	(MHz)	Rate		wer	Output Power	Gain	(dBm)	(dBm)	
	()		CH 0	CH 1	(dBm)	(dBi)	()	()	
3	2422	MCS8	14.27	13.88	17.18	4.28	21.46	36	PASS
6	2437	MCS8	16.25	15.81	19.14	4.28	23.42	36	PASS
9	2452	MCS8	13.78	13.45	16.72	4.28	21.00	36	PASS
10	2457	MCS8	12.71	12.52	15.72	4.28	20.00	36	PASS
11	2462	MCS8	12.62	12.43	15.63	4.28	19.91	36	PASS

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802.11ax_HE20M MIMO											
СН	Freq.	Data Rate	RU	-	Dutput wer	Total Avg. Output Power	Antenna Gain	EIRP	Limit	RESULT	
	(MHz)	Rale	Config	CH 0	CH 1	(dBm)	(dBi)	(dBm)			
			full	16.54	16.31	19.47	4.28	23.75	36	PASS	
1	2412	MCS0	26/0	17.81	17.59	20.74	4.28	25.02	36	PASS	
I	2412	1000	52/37	17.86	17.65	20.80	4.28	25.08	36	PASS	
			106/53	18.29	18.07	21.22	4.28	25.50	36	PASS	
			full	21.47	21.12	24.34	4.28	28.62	36	PASS	
6	2437	MCS0	26/4	21.85	21.74	24.84	4.28	29.12	36	PASS	
0	2437	MCS0	52/39	21.92	21.79	24.90	4.28	29.18	36	PASS	
			106/5	21.95	21.84	24.94	4.28	29.22	36	PASS	
		MCS0	full	16.02	15.79	18.95	4.28	23.23	36	PASS	
11	2462		26/8	17.03	13.63	18.69	4.28	22.97	36	PASS	
11	2402		52/40	18.02	16.07	20.19	4.28	24.47	36	PASS	
			106/54	18.95	16.99	21.12	4.28	25.40	36	PASS	
			full	10.66	10.45	13.60	4.28	17.88	36	PASS	
12	2467	MCS0	26/8	14.73	14.55	17.68	4.28	21.96	36	PASS	
12	2407	10000	52/40	16.51	16.29	19.44	4.28	23.72	36	PASS	
			106/5	13.36	13.18	16.31	4.28	20.59	36	PASS	
			full	9.94	9.87	12.95	4.28	17.23	36	PASS	
13	2472	MCS0	26/8	9.74	9.53	12.68	4.28	16.96	36	PASS	
15	2412	10000	52/40	9.25	9.10	12.22	4.28	16.50	36	PASS	
			106/54	7.86	7.65	10.80	4.28	15.08	36	PASS	

802.11	802.11ax_HE40M MIMO												
СН	CH Freq. Data (MHz) Rate (			RU Config	Avg. C Pov	-	Total Avg. Output Power	Antenna Gain	EIRP (dBm)	Limit	RESULT		
		comig	CH 0	CH 1	(dBm)	(dBi)	(ubiii)						
3	2422	MCS0	full	14.51	14.22	17.48	4.28	21.76	36	PASS			
6	2437	MCS0	full	16.19	15.94	19.18	4.28	23.46	36	PASS			
9	2452	MCS0	full	12.48	12.25	15.48	4.28	19.76	36	PASS			
10	2457	MCS0	full	12.88	12.69	15.90	4.28	20.18	36	PASS			
11	2462	MCS0	full	12.81	12.58	15.81	4.28	20.09	36	PASS			

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# 7 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

# 7.1 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.

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

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### 7.2 Measurement Equipment Used

	Rad	iated Emission Te	est Site: SAC D		
EQUIPMENT TYPE	MFR	MODEL NUM- BER	SERIAL NUM- BER	LAST CAL.	CAL DUE.
Broadband An- tenna	SCHWARZBECK	VULB 9168	9168-617	11/12/2021	11/11/2022
Horn Antenna	Schwarzbeck	BBHA9170	184	12/16/2021	12/15/2022
Horn Antenna	Schwarzbeck	BBHA9120D	1341	06/04/2021	06/03/2022
Loop Antenna	ETS.LINDGREN	6502	143303	05/07/2021	05/06/2022
3m Site NSA	SGS	966 chamber D	N/A	07/12/2021	07/11/2022
Spectrum Ana- lyzer	KEYSIGHT	N9010A	MY57120200	03/24/2022	03/23/2023
Test Software	audix	e3	E3 20923 SGS Ver.9(C)	N.C.R	N.C.R
Pre-Amplifier	<b>EMC</b> Instruments	EMC184045B	980135	10/27/2021	10/26/2022
Pre-Amplifier	<b>EMC</b> Instruments	EMC9135	980234	11/18/2021	11/17/2022
Pre-Amplifier	<b>EMC</b> Instruments	EMC12630SE	980273	11/18/2021	11/17/2022
Attenuator	Marvelous	WATT-218FS-10	RF17	11/18/2021	11/17/2022
Lowpass Filter	Woken	EWT-56-0019	RF173	11/18/2021	11/17/2022
High Pass Filter	R&S	F13 HPF 3GHz	RF175	11/18/2021	11/17/2022
Band Rejection Filter	Micro-Tronics	BRM50701-01	RF201	11/18/2021	11/17/2022
Coaxial Cable	Huber+Suhner	RG 214/U	W21.01	11/18/2021	11/17/2022
Coaxial Cable	Huber Suhner	EMC106-SM-SM- 7200	150703	11/18/2021	11/17/2022
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17413/4	11/18/2021	11/17/2022

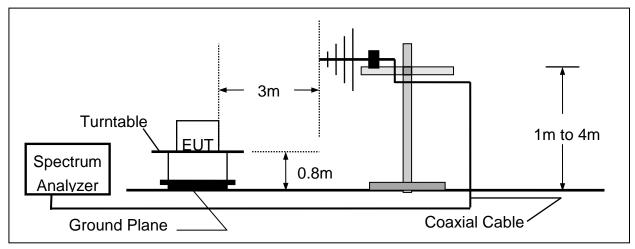
NOTE: N.C.R refers to Not Calibrated Required.

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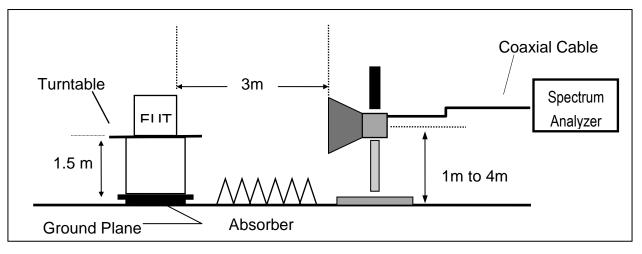


# 7.3 Test Setup

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



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



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# 7.4 Measurement Procedure

- 1. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
- 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.
- 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.</li>
- 9. Integration method according to ANSI C63.10 section 11.13.3 is adopted for Maximum Emission Measurements for some modes at frequency above 1 GHz as below.
  - (A) RBW=100 kHz, VBW=300 kHz, Detector=Average(RMS), Sweep time =Auto, Trace mode=average.
  - (B) RBW=100 kHz, VBW=300 kHz, Detector=Peak, Sweep time =Auto, Trace mode=max hold.

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Mode	Frequency (MHz)	RUs	etting
802.11b	2412	N/A	
802.11ac40			/A
802.11ax20	2462	Partial	8/26
802.11ax20	2462	Partial	52/40
802.11ax20	2462	Partial	106/54
802.11ax20	2467	Full	
802.11ax20	2467	Partial	8/26
802.11ax20	2467	Partial	52/40
802.11ax20	2467	Partial	106/54
802.11ax20	2472	Full	
802.11ax20	2472	Partial	8/26
802.11ax20	2472	Partial	52/40
802.11ax20	2472	Partial	106/54
802.11ax40	2422	Full	
802.11ax40	2452	Full	
802.11ax40	2457	Full	
802.11ax40	2462	Full	

- 10. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.
- 11. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 12. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 13. Repeat above procedures until all default test channel measured were complete.

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# 7.5 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) AG = Amplifier Gain

RA = Reading Amplitude AF = Antenna Factor

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

Actual FS(dB $\mu$ V/m) = SPA. Reading level(dB $\mu$ V) + Factor(dB) Factor(dB) = Antenna Factor(dB $\mu$ V/m) + Cable Loss(dB) – Pre\_Amplifier Gain(dB)

# 7.6 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.

# 7.7 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

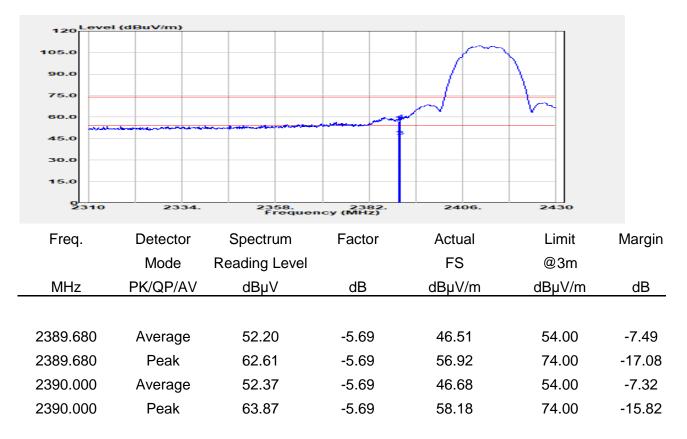
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# 7.7.1 Radiated Band Edge Measurement Result

:TERF2204000361E2	Test Site	:SAC D
:802.11b	Test Date	:2022-05-25
:2412 MHz	Temp./Humi.	:19.5/66
:BE CH LOW	Antenna Pol.	:Vertical
:NB Plane	Engineer	:Jack Tseng
	:802.11b :2412 MHz :BE CH LOW	:802.11bTest Date:2412 MHzTemp./Humi.:BE CH LOWAntenna Pol.



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Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF220 :802.11b :2412 MH :BE CH L0 :NB Plane	OW		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-25 :19.5/66 :Horizontal :Jack Tseng	
120 Level (0 105.0 90.0 75.0 60.0 45.0 30.0 15.0 2310	1BuV/m)	2358. Frequen	2382 cy (MHz)	2406.	2430	
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	_	dB
2386.440 2386.440 2390.000 2390.000	Average Peak Average Peak	50.51 59.44 49.56 58.64	-5.68 -5.68 -5.69 -5.69	44.83 53.76 43.87 52.95	54.00 74.00 54.00 74.00	-9.17 -20.24 -10.13 -21.05

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:SAC D



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Report Number

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Peak

Report Number	:TERF220	4000361E2			.3AC D	
Operation Mode	:802.11b		-	Test Date	:2022-04-20	
Test Frequency	:2462 MH	Z	-	Temp./Humi.	:19.5/62	
Test Mode	:BE CH H	IGH		Antenna Pol.	:Vertical	
EUT Pol	:NB Plane		I	Engineer	:Andy Wang	
120 Level (d	BuV/m)					
105.0 90.0 75.0	$\sim$					
60.0		$\sim$				
45.0			-			
30.0						
15.0						
2450	2470.	2490	2510	2530	2550	
2450	2470.	2490. Frequen	2510. icy (MHz)	2330.	2330	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	n dB
2483.500	Average	50.23	-5.94	44.29	54.00	-9.71
2483.500	Peak	61.06	-5.94	55.12	74.00	-18.88
2488.100	Average	52.33	-5.95	46.37	54.00	-7.63

Test Site

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勝利子方方式就例 「山根古紀木罐到規調之(株面具員)「同時山橋本面採用大量が低子能量を立り音風計可) 「小口回び使後) This document is issued by the Company subject to is General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemni-fication and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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Report Number	:TERF2204	4000361E2		Test Site	:SAC D	
Operation Mode	:802.11b			Test Date	:2022-04-20	
Test Frequency	:2462 MHz	<u> </u>		Temp./Humi.	:19.5/62	
Test Mode	:BE CH HI	GH		Antenna Pol.	:Horizontal	
EUT Pol	:NB Plane			Engineer	:Andy Wang	
120 Level (	dBuV/m)					
105.0	m					
90.0	+					
75.0						
60.0						
45.0						
30.0						
15.0						
2450	2470.	2490. Frequen	2510. cy (MHz)	. 2530.	2550	
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	46.55	-5.94	40.60	54.00	-13.40
2483.500	Peak	59.04	-5.94	53.10	74.00	-20.90
2487.700	Average	50.05	-5.95	44.09	54.00	-9.91
2487.700	Peak	61.63	-5.95	55.67	74.00	-18.33

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Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF220400 :802.11b :2467 MHz :BE CH 12 :NB Plane	00361E2	Te Te A	est Site est Date emp./Humi. ntenna Pol. ngineer	:SAC D :2022-04-20 :19.5/62 :Vertical :Andy Wang	
105.0 90.0 75.0 60.0 45.0 30.0 15.0						
2450	2470.	2490. Frequen	2510. cy (MHz)	2530.	2550	
Freq.		Spectrum eading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500 2483.500	Average Peak	54.70 68.03	-5.94 -5.94	48.76 62.09	54.00 74.00	-5.24 -11.91



Report Number Operation Mode Test Frequency Test Mode	:TERF2204 :802.11b :2467 MHz :BE CH 12	000361E2		Test Site Test Date Temp./Humi. Antenna Pol.	:SAC D :2022-04-20 :19.5/62 :Horizontal	
EUT Pol	:NB Plane			Engineer	:Andy Wang	
120 Level ( 105.0 90.0 75.0 60.0 45.0 30.0 15.0 92450	dBuV/m)	2490.	2510 cv (MHz)	. 2530	2550	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
гіец.		Reading Level	Faciol	FS	@3m	iviaryIT
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500 2483.500	Average Peak	49.88 62.03	-5.94 -5.94	43.94 56.09	54.00 74.00	-10.06 -17.91
2500.200	Average	41.35	-5.99	35.37	54.00	-18.63
2500.200	Peak	68.88	-5.99	62.89	74.00	-11.11



Report Number Operation Mode Test Frequency Test Mode	:TERF2204 :802.11b :2472 MHz :BE CH 13	000361E2		Test Site Test Date Temp./Humi. Antenna Pol.	:SAC D :2022-04-20 :19.5/62 :Vertical	
EUT Pol	:NB Plane			Engineer	:Andy Wang	
120 Level (0 105.0 90.0 75.0 60.0 45.0 30.0 15.0 92450	1BuV/m)	2490.	2510 cy (MHz)	2530		
		Frequen				
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	51.08	-5.94	45.13	54.00	-8.87
2483.500	Peak	64.25	-5.94	58.31	74.00	-15.69
2485.500		54.29	-5.94	48.34	74.00 54.00	-13.69
2485.500	Average Peak	65.54	-5.95 -5.95	48.34 59.59	74.00	-14.41



Report Number Operation Mode Test Frequency Test Mode EUT Pol		3	ר ר <i>ן</i>	Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-04-20 :19.5/62 :Horizontal :Andy Wang	
60.0 45.0 30.0 15.0 2450	2470.	2490. Frequen	2510. cy (MH2)	2530.	2550	
Freq.	Detector Mode	Spectrum	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	Reading Level dBµV	dB	dBµV/m	dBµV/m	dB
2483.500 2483.500	Average Peak	48.50 59.32	-5.94 -5.94	42.56 53.38	54.00 74.00	-11.44 -20.62
2485.900 2485.900	Average Peak	50.25 59.97	-5.95 -5.95	44.31 54.02	54.00 74.00	-9.69 -19.98



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204 :802.11g :2412 MHz :BE CH LO :NB Plane		Te Te Ai	est Site est Date emp./Humi. ntenna Pol. ngineer	:SAC D :2022-04-20 :19.5/62 :Vertical :Andy Wang	
120 Level (0 105.0 90.0 75.0 60.0 45.0 30.0 15.0 0 2310	1BuV/m)	2358. Frequen	2382. CX (MHz)	2406.	2430	
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
2390.000 2390.000	Average Peak	46.86 72.75	-5.69 -5.69	41.17 67.06	54.00 74.00	-12.83 -6.94



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF22040 :802.11g :2412 MHz :BE CH LOW :NB Plane		- - /	Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-04-20 :19.5/62 :Horizontal :Andy Wang	
120 Level (0 105.0 90.0 75.0 60.0 45.0 15.0 2310	2334.	2358.	2382. CY (MHZ)	2405	2430	
<b>Fro</b> g	Detector			Astual	Lincit	Margin
Freq.	Detector Mode R	Spectrum	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	eading Level dBµV	dB	гз dBµV/m		dB
		σομν	uD	ασμν/π		
2390.000 2390.000	Average Peak	43.54 65.66	-5.69 -5.69	37.85 59.97	54.00 74.00	-16.15 -14.03



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Report Number	:TERF2204000	361E2		Test Site	:SAC D	
Operation Mode	:802.11g			Test Date	:2022-04-20	
Test Frequency	:2462 MHz			Temp./Humi.	:19.5/62	
Test Mode	:BE CH HIGH			Antenna Pol.	:Vertical	
EUT Pol	:NB Plane			Engineer	:Andy Wang	
120 Level (d	IBuV/m)				1	
105.0						
90.0	Lun					
75.0		<u> </u>				
60.0			man			
45.0		-				
30.0						
15.0						
2450	2470.	2490. Frequence	2510. cy (MHz)	2530.	2550	
Freq.	Detector S	pectrum	Factor	Actual	Limit	Margin
	Mode Rea	ding Level		FS	@3m	
MHz F	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500	Average	51.51	-5.94	45.57	54.00	-8.43
2483.500	Peak	77.84	-5.94	71.89	74.00	-2.11

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Report Number	:TERF220400	0361E2	7	Test Site	:SAC D	
Operation Mode	:802.11g		7	Test Date	:2022-04-20	
Test Frequency	:2462 MHz		٦	Temp./Humi.	:19.5/62	
Test Mode	:BE CH HIGH		ŀ	Antenna Pol.	:Horizontal	
EUT Pol	:NB Plane		E	Engineer	:Andy Wang	
120 Level (0	dBuV/m)					
90.0						
75.0						
60.0		hannen -				
45.0			and which also	and the second		
30.0						
15.0						
2450	2470.	2490. Frequer	2510. icy (MHz)	2530.	2550	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode Re	ading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500	Average	47.72	-5.94	41.78	54.00	-12.22
2483.500	Peak	69.26	-5.94	63.32	74.00	-10.68

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Report Number Operation Mode Test Frequency Test Mode			Te Te	est Site est Date emp./Humi. ntenna Pol.	:SAC D :2022-04-20 :19.5/62 :Vertical	
EUT Pol	:NB Plane		Ei	ngineer	:Andy Wang	
120 Level ( 105.0 90.0 75.0 60.0 45.0 30.0 15.0 0 2450	dBuV/m)	2490. Frequen	сц. 2510. су (МН2)	2530.		
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	48.48	-5.94	42.54	54.00	-11.46
2483.500	Peak	67.61	-5.94	61.66	74.00	-12.34
2486.100	Average	47.27	-5.95	41.32	54.00	-12.68
2486.100	Peak	69.04	-5.95	63.09	74.00	-10.91



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204 :802.11g :2467 MHz :BE CH 12 :NB Plane			Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-04-20 :19.5/62 :Horizontal :Andy Wang	
	dBuV/m)					
105.0 90.0 75.0						
60.0		highn.				
45.0			and the second second second	······································	And which which the state magnet	
30.0						
15.0 2450	2470.	3490	2510	2530	2550	
2450	2470.	2490. Frequen	2510. cy (MHz)	2550	2550	
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	45.13	-5.94	39.19	54.00	-14.81
2483.500	Peak	64.10	-5.94	58.16	74.00	-15.84
2484.500	Average	44.89	-5.94	38.95	54.00	-15.05
2484.500	Peak	64.84	-5.94	58.89	74.00	-15.11



Report Number Operation Mode Test Frequency Test Mode	:802.11g :2472 MHz :BE CH 13			Test Site Test Date Temp./Humi. Antenna Pol.	:SAC D :2022-04-20 :19.5/62 :Vertical	
EUT Pol	:NB Plane			Engineer	:Andy Wang	
120 Level ( 105.0 90.0 75.0 60.0 45.0 30.0 15.0 2450	dBuV/m)	2490. Frequen	2510. cy (MHz)			
		-				
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	50.50	-5.94	44.56	54.00	-9.44
2483.500	Peak	71.79	-5.94	65.85	74.00	-8.15
2485.400	Average	49.57	-5.95	43.62	54.00	-10.38
2485.400	Peak	73.94	-5.95	67.99	74.00	-6.01



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204000361 :802.11g :2472 MHz :BE CH 13 :NB Plane	IE2	Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-04-20 :19.5/62 :Horizontal :Andy Wang	
		4 4 3 2490. 2510 Frequency (MHz)			
Freq.	Detector Spec Mode Reading		Actual FS	Limit @3m	Margin
MHz	PK/QP/AV dB	-	r3 dBμV/m	_	dB
2483.500 2483.500 2487.700 2487.700	Average 45. Peak 65. Average 45. Peak 65.	10-5.9442-5.95	39.58 59.16 39.46 59.98	54.00 74.00 54.00 74.00	-14.42 -14.84 -14.54 -14.02



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204( :802.11ac20 :2412 MHz :BE CH LOV :NB Plane	)	-	Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-04-20 :19.5/62 :Vertical :Andy Wang	
120 Level (0 105.0 90.0 75.0 60.0 45.0 15.0 2310	1BuV/m)	2358. Frequen	2382. Cy (MHz)	2406.		
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode F	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2390.000 2390.000	Average Peak	40.30 67.36	-5.69 -5.69	34.61 61.67	54.00 74.00	-19.39 -12.33



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Report Number	:TERF22040	00361E2		Test Site	:SAC D	
Operation Mode	:802.11ac20			Test Date	:2022-04-20	
Test Frequency	:2412 MHz			Temp./Humi.	:19.5/62	
Test Mode	:BE CH LOW			Antenna Pol.	:Horizontal	
EUT Pol	:NB Plane			Engineer	:Andy Wang	
120 Level (d	dBuV/m)				<b>_</b>	
105.0						
90.0						
75.0						
60.0				mand	han	
45.0		- Andrew Constant of the				
30.0						
15.0						
0 2310	2334.	2358. Frequen	2382 cy (MHz)	. 2406	. 2430	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode Re	eading Level		FS	@3m	-
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
		·		·	·	
2389.200	Average	39.98	-5.69	34.29	54.00	-19.71
2389.200	Peak	63.72	-5.69	58.03	74.00	-15.97
2390.000	Average	40.05	-5.69	34.36	54.00	-19.64
2390.000	Peak	62.26	-5.69	56.57	74.00	-17.43
			-	-		-

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Report Number	:TERF2204	000361E2		Test Site	:SAC D	
Operation Mode	:802.11ac2	0		Test Date	:2022-04-20	
Test Frequency	:2462 MHz			Temp./Humi.	:19.5/62	
Test Mode	:BE CH HIC	GH		Antenna Pol.	:Vertical	
EUT Pol	:NB Plane			Engineer	:Andy Wang	
120 105.0 90.0 75.0 60.0 45.0 30.0 15.0						
2450	2470.	2490. Frequen				
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	40.98	-5.94	35.03	54.00	-18.97
2483.500	Peak	68.69	-5.94	62.75	74.00	-11.25
2484.400	Average	40.95	-5.94	35.01	54.00	-18.99
2484.400	Peak	69.41	-5.94	63.46	74.00	-10.54

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Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204000 :802.11ac20 :2462 MHz :BE CH HIGH :NB Plane	9361E2		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-04-20 :19.5/62 :Horizontal :Andy Wang	
105.0 90.0 75.0 60.0 45.0 30.0 15.0						
2450	2470.	2490. Frequence	2510 cy (MHz)	. 2530	. 2550	
Freq.	Detector S	pectrum	Factor	Actual	Limit	Margin
	Mode Rea	iding Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500	Average	40.64	-5.94	34.70	54.00	-19.30
2483.500	Peak	65.82	-5.94	59.88	74.00	-14.12



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204000 :802.11ac20 :2467 MHz :BE CH 12 :NB Plane	361E2		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-04-20 :19.5/62 :Vertical :Andy Wang	
120 Level (0 105.0 90.0 75.0 60.0 45.0 30.0 15.0 92450	1BuV/m)	2490.	2510	. 2530	2550	
Free	Detector Cr	Frequenc		A stual	Lincit	Marain
Freq.	-	pectrum ding Level	Factor	Actual FS	Limit @3m	Margin
MHz I		dBµV	dB	dBµV/m		dB
				÷		
2483.500	Average	41.18	-5.94	35.24	54.00	-18.76
2483.500	Peak	68.78	-5.94	62.84	74.00	-11.16



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204 :802.11ac20 :2467 MHz :BE CH 12 :NB Plane		•	Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-04-20 :19.5/62 :Horizontal :Andy Wang	
				Linginieer		
105.0 90.0 75.0 60.0 45.0 30.0 15.0 92450	2470.	2490. Frequen	2510. cy (MH2)	2530	2550	
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	40.62	-5.94	34.67	54.00	-19.33
2483.500	Peak	63.07	-5.94	57.13	74.00	-16.87
2489.000	Average	40.18	-5.96	34.22	54.00	-19.78
2489.000	Peak	64.29	-5.96	58.33	74.00	-15.67



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Report Number	:TERF2204	4000361E2		Test Site	:SAC D	
Operation Mode	:802.11ac2	0		Test Date	:2022-04-20	
Test Frequency	:2472 MHz			Temp./Humi.	:19.5/62	
Test Mode	:BE CH 13			Antenna Pol.	:Vertical	
EUT Pol	:NB Plane			Engineer	:Andy Wang	
120 Level (	(dBuV/m)		1			
105.0	mann	~				
90.0						
75.0		<u> </u>				
60.0 ptrage						
45.0					and the second second	
30.0						
15.0						
2450	2470.	2490. Frequen	2510 cy (MHz)	. 2530	. 2550	
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	41.27	-5.94	35.33	54.00	-18.67
2483.500	Peak	70.09	-5.94	64.15	74.00	-9.85
2484.000	Average	41.10	-5.94	35.16	54.00	-18.84
2484.000	Peak	70.76	-5.94	64.82	74.00	-9.18

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Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204000 :802.11ac20 :2472 MHz :BE CH 13 :NB Plane	)361E2	Tes Ten Ant	t Site t Date np./Humi. enna Pol. gineer	:SAC D :2022-04-20 :19.5/62 :Horizontal :Andy Wang	
120 Level (d 105.0 90.0 75.0 60.0 45.0 30.0 15.0 2450	2470.	2490.	2510.	2530		
2450	2470.	Frequency	(MHz)	2000	2000	
Freq.	Detector S	pectrum	Factor	Actual	Limit	Margin
	Mode Rea	iding Level		FS	@3m	
MHz F	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500 2483.500	Average Peak	40.69 64.61	-5.94 -5.94	34.74 58.66	54.00 74.00	-19.26 -15.34
_ 100.000	. Jun	0	0.01	00.00	,	10.01



Report Number Operation Mode Test Frequency Test Mode	:TERF220 :802.11ac :2422 MH :BE CH L0	z		Test Site Test Date Temp./Humi. Antenna Pol.	:SAC D :2022-05-25 :19.5/66 :Vertical	
EUT Pol	:NB Plane	)		Engineer	:Jack Tseng	
120 Level ( 105.0 90.0 75.0 60.0 45.0 30.0 15.0 2310	1BuV/m)	2358. Frequen	2382 cy (MH2)	2406.	2430	
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2388.840 2388.840 2390.000	Average Peak Average	53.58 65.12 53.59	-5.69 -5.69 -5.69	47.89 59.43 47.90	54.00 74.00 54.00	-6.11 -14.57 -6.10
2390.000	Peak	64.62	-5.69	58.93	74.00	-15.07



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF220 :802.11ac4 :2422 MHz :BE CH LC :NB Plane	<u>z</u> DW		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-25 :19.5/66 :Horizontal :Jack Tseng	
120 Level (0 105.0 90.0 75.0 60.0 45.0 30.0 15.0 2310	BuV/m)	2358. Frequen	2382. су (МН2)	2406.	2430	
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2388.480 2388.480 2390.000 2390.000	Average Peak Average Peak	46.71 56.84 46.87 56.72	-5.69 -5.69 -5.69 -5.69	41.02 51.15 41.18 51.03	54.00 74.00 54.00 74.00	-12.98 -22.85 -12.82 -22.97

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Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF220400 :802.11ac40 :2452 MHz :BE CH HIGH :NB Plane			Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-04-20 :19.5/62 :Vertical :Andy Wang	
120 Level (0 105.0 90.0 75.0 60.0 45.0 30.0 15.0 92450	1BuV/m)	2490.	2510	2530	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
		Frequen				
Freq.		Spectrum	Factor	Actual	Limit	Margin
	Mode Re	eading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500	Average	42.36	-5.94	36.42	54.00	-17.58
2483.500	Peak	76.98	-5.94	71.04	74.00	-2.96



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Report Number	:TERF2204	000361E2		Test Site	:SAC D	
Operation Mode	:802.11ac4	0		Test Date	:2022-04-20	
Test Frequency	:2452 MHz			Temp./Humi.	:19.5/62	
Test Mode	:BE CH HIC	GH		Antenna Pol.	:Horizontal	
EUT Pol	:NB Plane			Engineer	:Andy Wang	
120 Level (	dBuV/m)					
105.0	man					
90.0						
75.0						
60.0	h	Annon				
45.0		1 3		Print to be a second second		
30.0						
15.0						
2450	2470.	2490. Frequen	2510. cy (MHz)	2530.	2550	
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	40.41	-5.94	34.47	54.00	-19.53
2483.500	Peak	64.01	-5.94	58.07	74.00	-15.93
2489.700	Average	40.54	-5.96	34.58	54.00	-19.42
2489.700	Peak	65.20	-5.96	59.24	74.00	-14.76

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Report Number	:TERF2204			Test Site	:SAC D	
Operation Mode	:802.11ac4	0		Test Date	:2022-04-20	
Test Frequency	:2457 MHz			Temp./Humi.	:19.5/62	
Test Mode	:BE CH 10			Antenna Pol.	:Vertical	
EUT Pol	:NB Plane			Engineer	:Andy Wang	
120 Level (	dBuV/m)		1			
105.0	m					
90.0						
75.0		24 mm				
60.0		- malana	han	m manna		
45.0		13				
30.0						
15.0						
2450	2470.	2490. Frequen	2510 cy (MHz)	. 2530	. 2550	
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	42.27	-5.94	36.33	54.00	-17.67
2483.500	Peak	71.74	-5.94	65.80	74.00	-8.20
2485.100	Average	42.29	-5.95	36.35	54.00	-17.65
2485.100	Peak	73.40	-5.95	67.45	74.00	-6.55

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Report Number	:TERF2204	4000361E2		Test Site	:SAC D	
Operation Mode	:802.11ac4	0		Test Date	:2022-04-20	
Test Frequency	:2457 MHz			Temp./Humi.	:19.5/62	
Test Mode	:BE CH 10			Antenna Pol.	:Horizontal	
EUT Pol	:NB Plane			Engineer	:Andy Wang	
120 Level (	dBuV/m)					
105.0						
90.0	J					
75.0		+				
60.0		hatman	~			
45.0			* ************************************	**************************************		
30.0						
15.0						
2450	2470.	2490. Frequen	2510 cy (MHz)	. 2530	. 2550	
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	40.39	-5.94	34.45	54.00	-19.55
2483.500	Peak	59.39	-5.94	53.45	74.00	-20.55
2484.600	Average	40.34	-5.94	34.40	54.00	-19.60
2484.600	Peak	63.36	-5.94	57.42	74.00	-16.58

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Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF220 :802.11ac :2462 MH :BE CH 11 :NB Plane	z		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-04-20 :19.5/62 :Vertical :Andy Wang	
120 Level ( 105.0 90.0 75.0 60.0 45.0 30.0 15.0 2450	1BuV/m)	2490. Frequen	2510. cy (MHz)	. 2530	2550	
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 2483.500 2484.200 2484.200	Average Peak Average Peak	41.89 74.03 42.09 74.42	-5.94 -5.94 -5.94 -5.94	35.95 68.08 36.15 68.47	54.00 74.00 54.00 74.00	-18.05 -5.92 -17.85 -5.53



Report Number Operation Mode Test Frequency Test Mode EUT Pol		Z	Te Te Al	est Site est Date emp./Humi. ntenna Pol. ngineer	:SAC D :2022-04-20 :19.5/62 :Horizontal :Andy Wang	
120 Level ( 105.0 90.0 75.0 60.0 45.0 30.0 15.0 2450	dBuV/m) → → → → → → → → → → → → → → → → → → →	2490. Frequen	2510. cy (MHz)	2530		
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 2483.500 2494.900 2494.900	Average Peak Average Peak	42.25 59.12 41.91 63.38	-5.94 -5.94 -5.97 -5.97	36.31 53.18 35.94 57.40	54.00 74.00 54.00 74.00	-17.69 -20.82 -18.06 -16.60



Report Number	:TERF220	4000361E2	Г	Fest Site	:SAC D	
Operation Mode	:802.11ax	20	Г	Test Date	:2022-04-20	
Test Frequency	:2412 MH	z	Г	ſemp./Humi.	:19.5/62	
Test Mode	:BE CH LO	OW FULL RU	A	Antenna Pol.	:Vertical	
EUT Pol	:NB Plane		E	Engineer	:Andy Wang	
120 Level (	dBuV/m)					
105.0				pon	my	
90.0					-+	
75.0						
60.0			June March March	and the second sec		
45.0	Here and a strate to be a strategy and a strategy a					
30.0						
15.0						
0 2310	2334.	2358. Frequen	2382. cy (MHz)	2406	2430	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2388.360	Average	40.22	-5.68	34.53	54.00	-19.47
2388.360	Peak	71.99	-5.68	66.31	74.00	-7.69
2390.000	Average	40.40	-5.69	34.71	54.00	-19.29
2390.000	Peak	69.63	-5.69	63.93	74.00	-10.07



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204 :802.11ax2 :2412 MHz :BE CH LO :NB Plane		•	Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-04-20 :19.5/62 :Horizontal :Andy Wang	
120 Level ( 105.0 90.0 75.0 60.0 45.0 15.0 2310	1BuV/m) □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	2358. Frequen	2382. cy (MHz)	2406.	2430	
Freq.		Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2390.000 2390.000	Average Peak	40.06 67.90	-5.69 -5.69	34.37 62.21	54.00 74.00	-19.63 -11.79



Report Number Operation Mode Test Frequency Test Mode	:TERF220400036 :802.11ax20 :2412 MHz :BE CH LOW RU		Test Site Test Date Temp./Humi. Antenna Pol.	:SAC D :2022-04-21 :20.1/67 :Vertical	
EUT Pol	:NB Plane		Engineer	:Andy Wang	
130 Level (0 113.8 97.5 81.3 65.0 48.8 32.5 16.3 2310	1BuV/m)	2358. 2382 Frequency (MHz)	2406	2439	
Freq.	•	ectrum Factor ing Level	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV d	lBµV dB	dBµV/m	dBµV/m	dB
2371.560	Average 4	9.06 -5.62	43.44	54.00	-10.56
2371.560	Peak 7	4.87 -5.62	69.25	74.00	-4.75
2390.000	Average 5	51.26 -5.69	45.57	54.00	-8.43
2390.000	Peak 7	<b>'1.58</b> -5.69	65.89	74.00	-8.11



Report Number Operation Mode Test Frequency Test Mode	:802.11ax2 :2412 MHz :BE CH LC			Test Site Test Date Temp./Humi. Antenna Pol.	:SAC D :2022-04-21 :20.1/67 :Horizontal	
EUT Pol	:NB Plane			Engineer	:Andy Wang	
130 Level ( 113.8 97.5 81.3 65.0 48.8 32.5 16.3 97.5	1BuV/m)	2358. Frequer	2382. hcy (MHz)	2406	2430	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2370.240	Average	46.91	-5.62	41.29	54.00	-12.71
2370.240	Peak	68.08	-5.62	62.47	74.00	-11.53
2390.000	Average	48.28	-5.69	42.59	54.00	-11.41
2390.000	Peak	64.29	-5.69	58.60	74.00	-15.40



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF22040 :802.11ax20 :2412 MHz :BE CH LOV :NB Plane	•		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-04-21 :20.1/67 :Vertical :Andy Wang	
130 Level (0 113.8 97.5 81.3 65.0 48.8 32.5 16.3 2310	1BuV/m)	2358.	2382	2405	2430	
2010	20011	Frequer	icy (MHz)			
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode F	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2390.000	Average	50.74	-5.69	45.05	54.00	-8.95
2390.000	Peak	72.28	-5.69	66.59	74.00	-7.41



Report Number Operation Mode Test Frequency Test Mode	:TERF2204000361E2 :802.11ax20 :2412 MHz :BE CH LOW RU 52/37	Test Site Test Date Temp./Hu Antenna I	mi. :20.1/67	
EUT Pol	:NB Plane	Engineer	:Andy Wang	
		g		
130 Level (c	dBuV/m)			
113.8			2mg	
97.5				
65.0				
48.8		- All mark and the second		
32.5				
16.3				
2310	2334. 2358. Frequ	2382. 2 ency (MHz)	2406. 2430	
Freq.	Detector Spectrum		tual Limit	Margin
	Mode Reading Leve		'S @3m	
MHz	PK/QP/AV dBµV		IV/m dBµV/m	dB
2389.680	Average 47.81	-5.69 42	.12 54.00	-11.88
2389.680	Peak 67.88	-5.69 62	.19 74.00	-11.81
2390.000	Average 48.02	-5.69 42	.33 54.00	-11.67
2390.000	Peak 67.42	-5.69 61	.73 74.00	-12.27



Report Number Operation Mode Test Frequency Test Mode	:802.11ax2 :2412 MHz			Test Site Test Date Temp./Humi. Antenna Pol.	:SAC D :2022-04-21 :20.1/67 :Vertical	
EUT Pol	:NB Plane			Engineer	:Andy Wang	
130 Level (0 113.8 97.5 81.3 65.0 48.8 32.5 16.3 92310	IBuV/m)					
Freq.	2334. Detector	Spectrum	Factor	Actual	Limit	Margin
1104.	Mode	Reading Level	1 20101	FS	@3m	margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2200 800		E4 0E	F 60		54.00	0.44
2389.800	Average	51.25	-5.69	45.56	54.00	-8.44
2389.800	Peak	73.37	-5.69	67.68	74.00	-6.32
2390.000	Average	51.57	-5.69	45.87	54.00	-8.13
2390.000	Peak	73.48	-5.69	67.79	74.00	-6.21

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Report Number Operation Mode	:802.11ax2		-	Test Site Test Date	:SAC D :2022-04-21	
Test Frequency	:2412 MH			Temp./Humi.	:20.1/67	
Test Mode	:BE CH LO	OW RU 106/53	1	Antenna Pol.	:Horizontal	
EUT Pol	:NB Plane		I	Engineer	:Andy Wang	
130 Level (	dBuV/m)		1		<b></b>	
113.8				m		
97.5					$\sim$	
81.3						
65.0				-3		
48.8				8		
32.5						
16.3						
2310	2334.	2358. Frequen	2382. icy (MHz)	2406	. 2430	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2389.200	Average	48.42	-5.69	42.73	54.00	-11.27
2389.200	Peak	67.75	-5.69	62.06	74.00	-11.94
2390.000	Average	48.85	-5.69	43.16	54.00	-10.84
2390.000	Peak	67.13	-5.69	61.44	74.00	-12.56

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Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF220400 :802.11ax20 :2462 MHz :BE CH HIGH :NB Plane			Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-04-20 :19.5/62 :Vertical :Andy Wang	
120 Level (d 105.0 90.0 75.0 60.0 45.0 30.0 15.0 2450	BuV/m)	2490. Frequen	2510. cy (MHz)	2530		
Freq.		Spectrum ading Level	Factor	Actual FS	Limit @3m	Margin
MHz F	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500 2483.500	Average Peak	40.97 72.99	-5.94 -5.94	35.03 67.05	54.00 74.00	-18.97 -6.95

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Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204000 :802.11ax20 :2462 MHz :BE CH HIGH I :NB Plane			Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-04-20 :19.5/62 :Horizontal :Andy Wang	
120 Level (d 105.0 90.0 75.0 60.0 45.0 30.0 15.0						
2450	2470.	2490. Frequen	2510 cy (MHz)	o. 2530	. 2550	
Freq.	Detector S	pectrum	Factor	Actual	Limit	Margin
	Mode Rea	ading Level		FS	@3m	
MHz F	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500 2483.500	Average Peak	40.54 69.17	-5.94 -5.94	34.60 63.23	54.00 74.00	-19.40 -10.77



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Report Number	:TERF220400	00361E2	-	Test Site	:SAC D	
Operation Mode	:802.11ax20		-	Test Date	:2022-05-25	
Test Frequency	:2462 MHz		-	Temp./Humi.	:19.5/66	
Test Mode	:BE CH HIGH	1 26/8		Antenna Pol.	:Vertical	
EUT Pol	:NB Plane		I	Engineer	:Jack Tseng	
130 Level ( 113.8 97.5 81.3 65.0 48.8 32.5 16.3						
0	2470.	2490.	.2510.	2530.	2550	
		Frequen				
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode Re	eading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500	Average	50.28	-5.94	44.34	54.00	-9.66
2483.500	Peak	68.60	-5.94	62.66	74.00	-11.34

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Report Number	:TERF2204	000361E2	Т	est Site	:SAC D	
Operation Mode	:802.11ax2	D	Т	est Date	:2022-05-25	
Test Frequency	:2462 MHz		Т	emp./Humi.	:19.5/66	
Test Mode	:BE CH HIG	GH 26/8	А	ntenna Pol.	:Horizontal	
EUT Pol	:NB Plane		E	ingineer	:Jack Tseng	
130 Level (	dBuV/m)	1 1			1	
113.8	na A					
97.5						
81.3	<u> </u>					
65.0		2 may maked				
48.8		-			- the state of the	
32.5						
16.3						
2450	2470.	2490. Frequer	2510. icy (MHz)	2530.	2550	
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	48.45	-5.94	42.51	54.00	-11.49
2483.500	Peak	66.01	-5.94	60.07	74.00	-13.93

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Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204 :802.11ax2 :2462 MHz :BE CH HIC :NB Plane	0		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-25 :19.5/66 :Vertical :Jack Tseng	
	1BuV/m)	2490. Frequent	2510. cy (MHz)	2530.		
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 2483.500 2483.700 2483.700	Average Peak Average Peak	53.28 68.05 53.15 70.04	-5.94 -5.94 -5.94 -5.94	47.34 62.11 47.21 64.10	54.00 74.00 54.00 74.00	-6.66 -11.89 -6.79 -9.90



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF22040 :802.11ax20 :2462 MHz :BE CH HIGH :NB Plane			Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-25 :19.5/66 :Horizontal :Jack Tseng	
130 Level (d 113.8 97.5 81.3 65.0 48.8 32.5 16.3 0 2450	BuV/m)	2490. Frequen	2510. cy (MHz)	2530.		
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode R	eading Level		FS	@3m	
MHz F	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500 2483.500 2483.700 2483.700	Average Peak Average Peak	49.82 65.94 49.81 65.97	-5.94 -5.94 -5.94 -5.94	43.88 60.00 43.87 60.03	54.00 74.00 54.00 74.00	-10.12 -14.00 -10.13 -13.97



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF220400 :802.11ax20 :2462 MHz :BE CH HIGH :NB Plane		ר ר ק	Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-25 :19.5/66 :Vertical :Jack Tseng	
130 Level (d 113.8 97.5 81.3 65.0 48.8 32.5 16.3						
2450	2470.	2490. Frequen	2510. cy (MHz)	2530.	2550	
Freq.		Spectrum ading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500 2483.500	Average Peak	56.42 72.58	-5.94 -5.94	50.48 66.64	54.00 74.00	-3.52 -7.36



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:802.11ax20 :2462 MHz :BE CH HIGH 106/54			Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-25 :19.5/66 :Horizontal :Jack Tseng	
120 Level ( 105.0 90.0 75.0 60.0 45.0 30.0 15.0 92450	1BuV/m)	2490. Frequen	2510. cy (MH2)	2530.		
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	53.68	-5.94	47.74	54.00	-6.26
2483.500	Peak	67.04	-5.94	61.10	74.00	-12.90
2483.900	Average	53.25	-5.94	47.31	54.00	-6.69
2483.900	Peak	67.31	-5.94	61.37	74.00	-12.63



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204000 :802.11ax20 :2467 MHz :BE CH 12 FUL :NB Plane			Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-25 :19.5/66 :Vertical :Jack Tseng	
105.0 90.0 75.0 60.0 45.0 30.0 15.0	BuV/m)					
2450	2470.	2490. Frequenc	2510. cy (MHz)	2530.	2550	
Freq.	Detector S	pectrum	Factor	Actual	Limit	Margin
	Mode Rea	iding Level		FS	@3m	
MHz F	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500	Average	52.82	-5.94	46.88	54.00	-7.12
2483.500	Peak	62.52	-5.94	56.58	74.00	-17.42



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:802.11ax20 :2467 MHz :BE CH 12 FULL RU			Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-25 :19.5/66 :Horizontal :Jack Tseng	
120 Level (d 105.0 90.0 75.0 60.0 45.0 30.0 15.0 0 2450	BuV/m)	2 2 3 2 2 490. Frequen	2510 cy (MHz)	. 2530		
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode F	Reading Level		FS	@3m	-
MHz F	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500 2483.500 2483.800 2483.800	Average Peak Average Peak	44.28 54.97 44.60 54.70	-5.94 -5.94 -5.94 -5.94	38.34 49.03 38.66 48.76	54.00 74.00 54.00 74.00	-15.66 -24.97 -15.34 -25.24



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF220400 :802.11ax20 :2467 MHz :BE CH 12 RU :NB Plane			Test Site Test Date Temp./Humi. Antenna Pol Engineer		
130 Level (d 113.8 97.5 81.3 65.0 48.8 32.5 16.3 2450						
2450	2470.	2490. Frequen	2510 cy (MHz)		0. 2550	>
Freq.	Detector S	Spectrum	Factor	Actua	l Limi	t Margin
	Mode Re	ading Level		FS	@3n	n
MHz	PK/QP/AV	dBµV	dB	dBµV/ı	m dBµV∕	/m dB
2483.500	Average	45.86	-5.94	39.92		
2483.500	Peak	64.34	-5.94	58.40	74.0	0 -15.60



Report Number Operation Mode Test Frequency Test Mode	:TERF220 :802.11ax :2467 MH :BE CH 12	Z		Test Site Test Date Temp./Humi. Antenna Pol.	:SAC D :2022-05-23 :19.8/70 :Horizontal	
EUT Pol	:NB Plane			Engineer	:Jack Tseng	
130 Level ( 113.8 97.5 81.3 65.0 48.8 32.5 16.3 0 2450	2470.	2490, Frequen	2510. cy (MHz)	. 2530	. 2550	
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	47.46	-5.94	41.52	54.00	-12.48
2483.500	Peak	67.54	-5.94	61.60	74.00	-12.40
2484.000	Average	47.33	-5.94	41.39	54.00	-12.61
2484.000	Peak	63.74	-5.94	57.80	74.00	-16.20



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204000 :802.11ax20 :2467 MHz :BE CH 12 RU :NB Plane			Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-23 :19.8/70 :Vertical :Jack Tseng	
113.8 97.5 81.3 65.0 48.8 32.5 16.3		2				
2450	2470.	2490. Frequen	2510 icy (MHz)	<b>2530</b>	. 2550	
Freq.		pectrum ading Level	Factor	Actual FS	Limit @3m	Margin
MHz F	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	n dB
2483.500 2483.500	Average Peak	54.16 71.84	-5.94 -5.94	48.22 65.90	54.00 74.00	-5.78 -8.10



Report Number Operation Mode Test Frequency Test Mode	:802.11ax :2467 MH		T T	ēst Site ēst Date ēmp./Humi. antenna Pol.	:SAC D :2022-05-23 :19.8/70 :Horizontal	
EUT Pol	:NB Plane	•	E	Ingineer	:Jack Tseng	
130 Level ( 113.8 97.5 81.3 65.0 48.8 32.5 16.3 9450	dBuV/m)	2490. Frequen	2510. cy (MHz)	2530		
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
0400 500		40.45	E 04	40.04	E4.00	44 70
2483.500	Average	48.15	-5.94	42.21	54.00	-11.79
2483.500	Peak	67.14	-5.94	61.20	74.00	-12.80
2483.900	Average	47.88	-5.94	41.94	54.00	-12.06
2483.900	Peak	66.85	-5.94	60.91	74.00	-13.09



Report Number Operation Mode Test Frequency Test Mode	:802.11ax :2467 MH			Test Site Test Date Temp./Humi. Antenna Pol.	:SAC D :2022-05-23 :19.8/70 :Vertical	
EUT Pol	:NB Plane	•		Engineer	:Jack Tseng	
130 Level ( 113.8 97.5 81.3 65.0 48.8 32.5 16.3 0 2450	dBuV/m)	2490. Frequen	2510. cy (MHz)	2530		
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
0400 500		F1 01	E 04	45 70	E4.00	0.00
2483.500	Average	51.64	-5.94	45.70	54.00	-8.30
2483.500	Peak	65.81	-5.94	59.87	74.00	-14.13
2484.000	Average	51.28	-5.94	45.34	54.00	-8.66
2484.000	Peak	66.07	-5.94	60.13	74.00	-13.87



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF220400 :802.11ax20 :2467 MHz :BE CH 12 RU :NB Plane			Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-23 :19.8/70 :Horizontal :Jack Tseng	
130 Level (0 113.8 97.5 81.3 65.0 48.8 32.5 16.3 92450						
2450	2470.	2490. Frequen	2510. cy (MHz)	. 2530	. 2550	
Freq.	Detector S	Spectrum	Factor	Actual	Limit	Margin
	Mode Rea	ading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	n dB
2483.500	Average	47.14	-5.94	41.20	54.00	-12.80
2483.500	Peak	61.64	-5.94	55.70	74.00	-18.30



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204000 :802.11ax20 :2472 MHz :BE CH 13 Full :NB Plane		-	Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-23 :19.8/70 :Vertical :Jack Tseng	
120 Level (d 105.0 90.0 75.0 60.0 45.0 30.0 15.0 9450	2470.	2490. Frequence	2510.	2530.	Ma Mara	
Freq.	Detector S	pectrum	Factor	Actual	Limit	Margin
		iding Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500	Average	57.29	-5.94	51.35	54.00	-2.65
2483.500	Peak	68.94	-5.94	63.00	74.00	-11.00



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204000 :802.11ax20 :2472 MHz :BE CH 13 Full :NB Plane		-	Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-23 :19.8/70 :Horizontal :Jack Tseng	
120 Level (0 105.0 90.0 75.0 60.0 45.0 30.0 15.0	1BuV/m)	2490.	2510.	2530	2559	
2450	2470.	Frequen	cy (MHz)	2330.	2350	
Freq.	Detector S	Spectrum	Factor	Actual	Limit	Margin
	Mode Rea	ading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500	Average	51.06	-5.94	45.12	54.00	-8.88
2483.500	Peak	64.48	-5.94	58.54	74.00	-15.46



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204000 :802.11ax20 :2472 MHz :BE CH 13 RU :NB Plane			Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-23 :19.8/70 :Vertical :Jack Tseng	
130 Level (d 113.8 97.5 81.3 65.0 48.8 32.5 16.3 2450	1BuV/m)	2490.	2510	2530		
2.000	2	Frequen	cy (MHz)			
Freq.	Detector S	pectrum	Factor	Actual	Limit	Margin
	Mode Rea	ding Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
0400 500	A	<b>F</b> 4 <b>F</b> 4	<b>F</b> 0 4	45 53	54.00	0.40
2483.500	8	51.51	-5.94	45.57	54.00	-8.43
2483.500	Peak	71.27	-5.94	65.33	74.00	-8.67



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204000 :802.11ax20 :2472 MHz :BE CH 13 RU :NB Plane		Test Site Test Date Temp./Humi Antenna Pol Engineer		
130 Level (d 113.8 97.5 81.3 65.0 48.8 32.5 16.3 2450	1BuV/m)		2510. 253		
2450	2470.	2490. Frequency (	2510. 253 MHz)	<b>30. 2550</b>	
Freq.	Detector S	pectrum Fa	actor Actua	al Limit	Margin
	Mode Rea	ding Level	FS	@3m	
MHz F	PK/QP/AV	dBµV	dB dBµV/	m dBµV/m	dB
2483.500	Average	47.02 -	5.94 41.08	3 54.00	-12.92
2483.500	Peak	68.97 -	5.94 63.03	3 74.00	-10.97



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Report Number	:TERF2204	000361E2		Test Site	:SAC D	
Operation Mode	:802.11ax20	C		Test Date	:2022-05-23	
Test Frequency	:2472 MHz			Temp./Humi.	:19.8/70	
Test Mode	:BE CH 13	RU 52/40		Antenna Pol.	:Vertical	
EUT Pol	:NB Plane			Engineer	:Jack Tseng	
130 Level (	dBuV/m)		1 1			
113.8		~				
97.5	programming me	' \\				
81.3	1	has				
65.0						
48.8		3		and the second second	and a second	
32.5						
16.3						
2450	2470.	2490. Frequen	2510 cy (MHz)	. 2530	. 2550	
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	57.09	-5.94	51.15	54.00	-2.85
2483.500	Peak	70.53	-5.94	64.59	74.00	-9.41
2483.700	Average	56.43	-5.94	50.49	54.00	-3.51
2483.700	Peak	70.79	-5.94	64.85	74.00	-9.15

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Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204 :802.11ax2 :2472 MHz :BE CH 13 :NB Plane	0		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-23 :19.8/70 :Horizontal :Jack Tseng	
130 Level (d 113.8 97.5 81.3 65.0 48.8 32.5 16.3 0 2450	IBuV/m)	2490. Frequen	2510 cy (MH2)	. 2530	. 2550	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500 2483.500 2483.700 2483.700	Average Peak Average Peak	52.37 69.70 51.71 69.41	-5.94 -5.94 -5.94 -5.94	46.43 63.76 45.77 63.47	54.00 74.00 54.00 74.00	-7.57 -10.24 -8.23 -10.53



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF220400 :802.11ax20 :2472 MHz :BE CH 13 RU :NB Plane		ר ר ק	Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-23 :19.8/70 :Vertical :Jack Tseng	
130 Level (d 113.8 97.5 81.3 65.0 48.8 32.5 16.3 2450	2470.	2490.	2519.	2539.	2550	
2450	2470.	Frequen	cy (MHz)	2000	2000	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode Re	ading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500	Average	53.55	-5.94	47.61	54.00	-6.39
2483.500	Peak	68.41	-5.94	62.47	74.00	-11.53



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF220400 :802.11ax20 :2472 MHz :BE CH 13 RU :NB Plane			Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-23 :19.8/70 :Horizontal :Jack Tseng	
113.8 97.5 81.3 65.0 48.8 32.5 16.3						
2450	2470.	2490. Frequen	2510. icy (MHz)	2530.	2550	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode Re	eading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500	Average	49.74	-5.94	43.80	54.00	-10.20
2483.500	Peak	66.11	-5.94	60.17	74.00	-13.83



Report Number Operation Mode Test Frequency Test Mode	:802.11ax :2422 MH			Test Site Test Date Temp./Humi. Antenna Pol.	:SAC D :2022-05-25 :19.5/66 :Vertical	
EUT Pol	:NB Plane	•		Engineer	:Jack Tseng	
120 Level (d	lBuV/m)		1		<b></b>	
105.0					m	
90.0						
75.0						
60.0			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	4		
45.0			1	3		
30.0						
15.0						
2310	2334.	2358. Frequen	2382 cy (MHz)	. 2406.	2430	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2384.640	Average	50.58	-5.67	44.91	54.00	-9.09
2384.640	Peak	60.90	-5.67	55.23	74.00	-18.77
2390.000	Average	51.42	-5.69	45.73	54.00	-8.27
2390.000	Peak	61.06	-5.69	55.37	74.00	-18.63



Report Number Operation Mode Test Frequency Test Mode	:802.11ax :2422 MH			Test Site Test Date Temp./Humi. Antenna Pol.	:SAC D :2022-05-25 :19.5/66 :Horizontal	
EUT Pol	:NB Plane			Engineer	:Jack Tseng	
				<b>J</b>		
120 Level (d	iBuV/m)					
105.0					mm	
90.0						
75.0						
60.0				manual		
45.0			1	3		
30.0						
15.0						
2310	2334.	2358. Frequen	2382 cy (MHz)	. 2406.	2430	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2382.360	Average	45.37	-5.66	39.71	54.00	-14.29
2382.360	Peak	54.92	-5.66	49.26	74.00	-24.74
2390.000	Average	46.24	-5.69	40.55	54.00	-13.45
2390.000	Peak	56.11	-5.69	50.42	74.00	-23.58



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:802.11ax :2452 MH	z IGH FULL RU	-	Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-25 :19.5/66 :Vertical :Jack Tseng	
120 Level ( 105.0 90.0 75.0 60.0 45.0 30.0 15.0 92450	3BuV/m)	2490. Frequen	2510. Cy (MHz)	2530.	2550	
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 2483.500 2488.400 2488.400	Average Peak Average Peak	57.25 66.96 56.11 65.65	-5.94 -5.94 -5.95 -5.95	51.31 61.02 50.16 59.70	54.00 74.00 54.00 74.00	-2.69 -12.98 -3.84 -14.30
2488.400	Peak	65.65	-5.95	59.70	74.00	-14.30



Report Number Operation Mode Test Frequency Test Mode EUT Pol	:802.11ax :2452 MHz	z GH FULL RU		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-25 :19.5/66 :Horizontal :Jack Tseng	
120 Level (d 105.0 90.0 75.0 60.0 45.0 30.0 15.0 2450	BuV/m)	2490. Frequen	2510. cy (MHz)	2530.	2550	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz F	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500 2483.500 2490.000 2490.000	Average Peak Average Peak	47.10 57.64 46.52 56.54	-5.94 -5.94 -5.96 -5.96	41.16 51.70 40.56 50.58	54.00 74.00 54.00 74.00	-12.84 -22.30 -13.44 -23.42



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Report Number	:TERF220	4000361E2		Test Site	:SAC D	
Operation Mode	:802.11ax4	40		Test Date	:2022-05-25	
Test Frequency	:2457 MHz	2		Temp./Humi.	:19.5/66	
Test Mode	:BE CH 10	FULL RU		Antenna Pol.	:Vertical	
EUT Pol	:NB Plane			Engineer	:Jack Tseng	
120 105.0 90.0 75.0 60.0 45.0 30.0 15.0						
2450	2470.	2490. Frequen	2510. cy (MHz)	. 2530.	2550	
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	56.71	-5.94	50.77	54.00	-3.23
2483.500	Peak	66.47	-5.94	60.53	74.00	-13.47
2492.600	Average	56.09	-5.97	50.12	54.00	-3.88
2492.600	Peak	65.86	-5.97	59.89	74.00	-14.11

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Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF2204000 :802.11ax40 :2457 MHz :BE CH 10 FUI :NB Plane		-	Date p./Humi. nna Pol.	:SAC D :2022-05-25 :19.5/66 :Horizontal :Jack Tseng	
120 Level (d 105.0 90.0 75.0 60.0 45.0 30.0 15.0 2450	BuV/m)	2490. Frequency (	2510. (MHz)	2530.	2550	
Freq.	Detector S	spectrum F	actor	Actual	Limit	Margin
	Mode Rea	ading Level		FS	@3m	
MHz F	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/r	n dB
2483.500 2483.500 2493.000 2493.000	Average Peak Average Peak	56.02 45.84	-5.94 -5.94 -5.97 -5.97	39.90 50.08 39.87 50.55	54.00 74.00 54.00 74.00	-23.92 -14.13



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Report Number	:TERF220	4000361E2		Test Site	:SAC D	
Operation Mode	:802.11ax	40		Test Date	:2022-05-25	
Test Frequency	:2462 MH	Z		Temp./Humi.	:19.5/66	
Test Mode	:BE CH 11	I FULL RU		Antenna Pol.	:Vertical	
EUT Pol	:NB Plane			Engineer	:Jack Tseng	
120 Level (d	iBuV/m)					
105.0	mm	~				
90.0						
75.0						
60.0				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
45.0						
30.0						
15.0						
2450	2470.	2490. Frequen	2510. cy (MHz)	. 2530.	2550	
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	56.42	-5.94	50.48	54.00	-3.52
2483.500	Peak	67.20	-5.94	61.26	74.00	-12.74
2484.400	Average	56.39	-5.94	50.45	54.00	-3.55
2484.400	Peak	66.78	-5.94	60.84	74.00	-13.16

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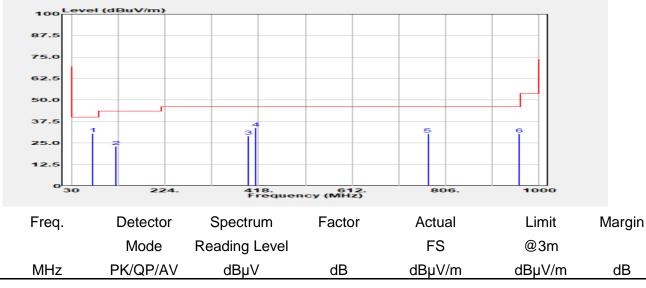
Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF220400 :802.11ax40 :2462 MHz :BE CH 11 FU :NB Plane		ר ר ק	Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-05-25 :19.5/66 :Horizontal :Jack Tseng	
120 Level (d 105.0 90.0 75.0 60.0 45.0 30.0 15.0 2450						
2450	2470.	2490. Frequen	2510. cy (MHz)	2530.	2550	
Freq.	Detector S	Spectrum	Factor	Actual	Limit	Margin
	Mode Re	ading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2483.500	Average	52.45	-5.94	46.51	54.00	-7.49
2483.500	Peak	61.87	-5.94	55.93	74.00	-18.07

dB



## 7.7.2 Spurious Emission:

Report Number	:TERF2204000361E2	Test Site	:SAC D
Operation Mode	:802.11b	Test Date	:2022-04-19
Test Frequency	:2437 MHz	Temp./Humi.	:19.2/66
Test Mode	:TX CH MID	Antenna Pol.	:Vertical
EUT Pol	:NB Plane	Engineer	:Andy Wang



73.650	Peak	51.21	-20.53	30.68	40.00	-9.32
122.150	Peak	42.43	-19.26	23.18	43.50	-20.32
395.690	Peak	42.56	-13.50	29.05	46.00	-16.95
411.210	Peak	47.26	-13.33	33.93	46.00	-12.07
769.140	Peak	36.81	-6.49	30.31	46.00	-15.69
958.290	Peak	34.52	-4.24	30.28	46.00	-15.72

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Report Number Operation Mode Test Frequency Test Mode EUT Pol	:TERF220 :802.11b :2437 MHz :TX CH MI :NB Plane	D		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:SAC D :2022-04-19 :19.2/66 :Horizontal :Andy Wang	
100 Level (0 87.5 75.0 62.5 50.0 37.5 25.0 12.5 0 30	1BuV/m)	3 3 4 4 18. Frequen	612. Cy (MHz)	5		
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
	<b>.</b> .		00.44	05.07	10.50	0.40
110.510	Peak	55.51	-20.14	35.37	43.50	-8.13
122.150	Peak	45.38	-19.26	26.12	43.50	-17.38
359.800	Peak	53.55	-14.38	39.18	46.00	-6.82
422.850	Peak	47.07	-13.04	34.03	46.00	-11.97
733.250	Peak	37.68	-7.80	29.88	46.00	-16.12
946.650	Peak	37.49	-4.54	32.95	46.00	-13.05

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Report Number Operation Mode	:TERF220 :802.11b	4000361E2		Test Site Test Date	:SAC D :2022-04-28	
Test Frequency	:2437 MH	z		Temp./Humi.	:22.1/71	
Test Mode	:TX CH M	ID	L.	Antenna Pol.	:Vertical	
EUT Pol	:NB Plane			Engineer	:Andy Wang	
100 Level (	dBuV/m)					
87.5						
75.0						
62.5						
50.0	7	•				
37.5						
25.0						
12.5						
9000	6100.	11200. Frequen	16300 cy (MHz)	. 21400	26500	
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	47.63	-0.26	47.37	54.00	-6.63
4874.000	Peak	48.93	-0.26	48.67	74.00	-25.33
7311.000	Average	33.67	6.68	40.35	54.00	-13.65
7311.000	Peak	42.30	6.68	48.98	74.00	-25.02

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Report Number	:TERF2204	4000361E2		Test Site	:SAC D	
Operation Mode	:802.11b			Test Date	:2022-04-28	
Test Frequency	:2437 MHz			Temp./Humi.	:22.1/71	
Test Mode	:TX CH MI	D		Antenna Pol.	:Horizontal	
EUT Pol	:NB Plane			Engineer	:Andy Wang	
100 Level (	dBuV/m)	1 1				
87.5						
75.0						
62.5						
50.0	2 4					
37.5	3					
25.0						
12.5						
1000	6100.	11200. Frequen	16300 cy (MHz)	. 21400	. 26500	
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	44.95	-0.26	44.68	54.00	-9.32
4874.000	Peak	48.20	-0.26	47.94	74.00	-26.06
7311.000	Average	33.56	6.68	40.24	54.00	-13.76
7311.000	Peak	41.84	6.68	48.52	74.00	-25.48

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~ End of Report ~

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