

Page: 1 of 132

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





Applicant: Framewok Computer Inc

447 Sutter St, PMB 135, San Francisco, CA, 94108-4618,

United States

Product Name: Portable Computer

Brand Name: Framework

Model No.: FRANPC0000

Report Number: TERF2207001062ER

FCC ID 2AZR6-FRANBBAT10

IC: 27217-FRANBBAT10

Issue Date: Sep. 14, 2022

Date of Test: Jul. 22, 2022~Jul. 25, 2022

Date of EUT Received: Jul. 12, 2022

Approved By

Jazz Huang

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 §15.407, ISED RSS-247.

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

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Page: 2 of 132

Revision History						
Report Number	Revision	Description	Issue Date	Revised By	Remark	
TERF2207001062ER	00	Original.	Sep. 14, 2022	Yi-Shan Tsai		

Note:

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



Page: 3 of 132

Contents

1	GENERAL INFORMATION	4
2	SYSTEM TEST CONFIGURATION	7
3	SUMMARY OF TEST RESULT	9
4	DESCRIPTION OF TEST MODES	10
5	MEASUREMENT UNCERTAINTY	15
6	UNDESIRABLE RADIATED EMISSION MEASUREMENT	16

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Page: 4 of 132

GENERAL INFORMATION

1.1 **Product Description**

Product Name:	Portable Computer
Brand Name:	Framework
Model No.:	FRANPC0000
EUT Series No.:	FRANPCCP4B2213002E
Model No. of BT/WLAN Module:	AX211NGW
Power Supply:	15.4Vdc from Rechargeable Li-ion Polymer Battery 5 / 9 / 15 / 20Vdc from AC/DC Adapter
Test Software (Name/Version)	DRTU / DRTU_01026_22.130.0

1.2 **Modulation & Data Rate**

	64QAM, 16QAM, QPSK, BPSK for OFDM
Modulation type:	256QAM for OFDM in 802.11ac only
	1024QAM for OFDMA in 802.11ax only
	802.11 a: 6.5 - 54 Mbps
	802.11 n_20MHz: 6.5 - 144.4 Mbps
	802.11 n_40MHz: 13.5 - 300 Mbps
	802.11 ac_20MHz: 6.5 - 173.4 Mbps
	802.11 ac_40MHz: 13.5 - 400 Mbps
Transition Rate:	802.11 ac_80MHz: 29.3 - 866.6 Mbps
	802.11 ac_160MHz: 58.5 - 1733.4 Mbps
	802.11 ax_20MHz: 8.6 - 286.8 Mbps
	802.11 ax_40MHz: 17.2 - 573.6 Mbps
	802.11 ax_80MHz: 36 - 1201 Mbps
	802.11 ax_160MHz: 68 - 2402 Mbps

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Page: 5 of 132

1.3 **Antenna Designation**

Antenna Type	Supplier	Main / Aux	Antenna Part No.	Freq. (MHz)	Peak Antenna Gain (dBi)
				5150~5250	1.31
		Main	Main AYF6Y-200005 (DC33002SE00)	5250~5350	1.17
				5470~5725	1.03
PIFA	AWAN			5725~5850	0.88
PIFA	AVVAIN	Aux		5150~5250	1.67
				5250~5350	1.76
				5470~5725	0.36
				5725~5850	2.30

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.
- Antenna information is provided by the applicant.



Page: 6 of 132

1.4 **Test Methodology of Applied Standards**

FCC Part 15, Subpart E §15.407

FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

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		
SGS Taiwan Ltd.		Conducted 6		
Central RF Lab.		Conduction C	TW0028	
(TAF code 3702)		SAC C		
(1A1 code 3702)		SAC D		
		SAC G		
	No 2 Koji 1st Pd. Cujeban District	Conducted A		
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conducted B		
	ladyuan City, Taiwan 333	Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
		Conducted G	7	

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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Page: 7 of 132

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 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.

2.4 **Measurement Results Explanation Example**

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

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.

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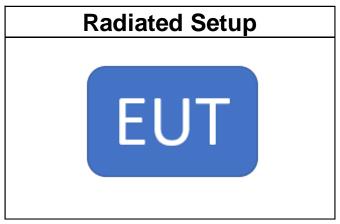
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Page: 8 of 132

2.5 **Test Configuration**



2.6 Control Unit(s)

Radiated Emission Test Site: SAC 1						
EQUIPMENT MFR MODEL NUM- SERIAL NUM- LAST CAL. CAL DUE.						
Test Software	Audix	e3	Ver. 9.210322	N.C.R	N.C.R	

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

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Page: 9 of 132

3 SUMMARY OF TEST RESULT

FCC Rules	ISED Rules	Description Of Test	Result
§15.205 §15.209 §15.407(b)	RSS-247 §6.2.1~ 4 (2)	Undesirable Radiated Emissions	Compliant

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Page: 10 of 132

DESCRIPTION OF TEST MODES

4.1 **Operating Frequencies**

Operated band in 5150 MHz ~5250 MHz:

Operated band in 3130 Minz ~3230 Minz						
2	20 M		4	40 M		0 M
СН	Freq (MHz)		СН	Freq (MHz)	СН	Fred (MHz
36	5180		38	5190	42	5210
40	5200		46	5230		
44	5220					
48	5240					

Operated b	and in	5250	MHz	~5350	MHz:

Operated be					
2	20 M				
СН	Freq (MHz)				
52	5260				
56	5280				
60	5300				
64	5320				

	40 M				
	4	•			
	СН	Freq			
		(MHz)			
	54	5270			
	62	5310			

_	00	30 IVII IZ	•			
	8	0 M	160 M			
	СН	Freq (MHz)	СН	Freq (MHz)		
	58	5290	50	5250		

Operated hand in 5470 MHz ~5725 MHz:

Ope	Operated band in 5470 MHz ~5725 Mi										
- 2	20 M		4	0 M	8	80 M					
СН	Freq (MHz)		СН	Freq (MHz)	СН	Freq (MHz)					
100	5500		102	5510	106	5530					
104	5520		110	5550	122	5610					
108	5540		118	5590							
112	5560		126	5630							
116	5580		134	5670							
120	5600										
124	5620										

16	60 M
СН	Freq (MHz)
114	5570

Operated band in 5725 MHz ~5850 MHz:

	20 M							
СН	Freq (MHz)							
149	5745							
153	5765							
157	5785							
161	5805							
165	5825							

	4	0 M	8	0 M
)	СН	Freq (MHz)	СН	Freq (MHz)
	151	5755	155	5775
	159	5795		

Note: 5850~5895 MHz is not available for operation in Canada.

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Page: 11 of 132

4.2 The Worst Test Modes and Channel Details

- The EUT has been tested under operating condition.
- 2. Test program used to control the EUT for staying in continuous transmitting mode is programmed.
- 3. Investigation has been done on all the possible configurations for searching the worst case. The given UE is pre-scanned among below modes.

Modulation	Tı	ransmiss	sion Chair	า	Single Transmission Spatial	Multiple Transmission Spatial
⊠ 802.11 a	⊠ Ch0	⊠ Ch1	☐ Ch2	□ Ch3	⊠ 1TX	☐ 2TX
⊠ 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

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Page: 12 of 132

4. 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 RLL can be enabled at any given time

Only on	e Ru	can be en	abled	l at any give	en i	ime.					
8 02.11ax		20	MHz			8 02.11ax			40MHz		
RU type	20	6-tone RU	5	2-tone RU		RU type	26-	tone RU		52-tone RU	
	RU0	[-121: -96]	RU37	[-121: -70]			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]			
RU index and	RU17	N/A	10	06-tone RU		RU index and	RU17	[218: 243]	1	06-tone RU	
subcarrier	RU18	N/A	RU53	[-122: -17]		subcarrier	RU18	N/A	RU53	[-243: -138]	
range	RU19	N/A	RU54	[17: 122]		range	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	24	12-tone RU			RU27	N/A	2	42-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	4	84-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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Page: 13 of 132

8 02.11ax		80MHz						
RU type	20	6-tone RU		52-tone RU				
	RU0	[-499: -474]	RU37	[-499: -448]				
	RU1	[-473: -448]	RU38	[-445: -394]				
	RU2	[-445: -420]	RU39	[-365: -314]				
	RU3	[-419: -394]	RU40	[-311: -260]				
	RU4	[-392: -367]	RU41	[-257: -206]				
	RU5	[-365: -340]	RU42	[-203: -152]				
	RU6	[-339: -314]	RU43	[-123: -72]				
	RU7	[-311: -286]	RU44	[-69: -18]				
	RU8	[-285: -260]	RU45	[18: 69]				
	RU9	[-257: -232]	RU46	[72: 123]				
	RU10	[-231: -206]	RU47	[152: 203]				
	RU11	[-203: -178]	RU48	[206: 257]				
	RU12	[-177: -152]	RU49	[260: 311]				
	RU13	[-150: -125]	RU50	[314: 365]				
	RU14	[-123: -98]	RU51	[394: 445]				
	RU15	[-97: -72]	RU52	[448: 499]				
	RU16	[-69: -44]	1	06-tone RU				
RU index and	RU17	[-43: -18]	RU53	[-499: -394]				
subcarrier	RU18	[-16: -4, 4: 16]	RU54	[-365: -260]				
range	RU19	[18: 43]	RU55	[-257: -152]				
	RU20	[44: 69]	RU56	[-123: -18]				
	RU21	[72: 97]	RU57	[18: 123]				
	RU22	[98: 123]	RU58	[152: 257]				
	RU23	[125: 150]	RU59	[260: 365]				
	RU24	[152: 177]	RU60	[394: 499]				
	RU25	[178: 203]	2	42-tone RU				
	RU26	[206: 231]	RU61	[-500: -259]				
	RU27	[232: 257]	RU62	[-258: -17]				
	RU28	[260: 285]	RU63	[17: 258]				
	RU29	[286: 311]	RU64	[259: 500]				
	RU30	[314: 339]	4	84-tone RU				
	RU31	[340: 365]	RU65	[-500: -17]				
	RU32	[367: 392]	RU66	[17: 500]				
	RU33	[394: 419]	9	96-tone RU				
	RU34	[420: 445]	RU67	[-500: -3, 3: 500]				
	RU35	[448: 473]						
	RU36	[474: 499]						

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

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Page: 14 of 132

RADIATED EMISSION TEST (BELOW 1 GHz)										
MODE	FREQUENCY	AVAILABLE	TESTED	MODUL ATION	DATA RATE	ANTENNA				
MODE	BAND (MHz)	CHANNEL	CHANNEL	MODULATION	(Mbps)	PORT				
	5180~5240	36 to 48	40							
802.11a	5500~5700	100 to 140	120	OFDM	OFDM 6	ch0				
	5745~5825	149 to 165	157	1						

	RADIATED EMISSION TEST (ABOVE 1 GHz)										
MODE	FREQUENCY	AVAILABLE	TESTED	MODULATION	DATA RATE	ANTENNA					
MODE	BAND (MHz)	CHANNEL	CHANNEL	WIODULATION	(Mbps)	PORT					
	5180~5240	36 to 48	36,40,48								
802.11a	5500~5700	100 to 140	100,120,140	OFDM	6	ch0					
	5745~5825	149 to 165	149,157,165								
	5180~5240	36 to 48	36,40,48								
802.11n_HT20	5500~5700	100 to 140	100,120,140	OFDM	MCS0	2TX					
	5745~5825	149 to 165	149,157,165								
	5190~5230	38 to 46	38,46								
802.11n_HT40	5510~5670	102 to 134	102,118,134	OFDM	MCS0	2TX					
	5755~5795	151 to 159	151,159								
	5210	42	42								
802.11ac_VHT80	5530~5610	106~122	106,122	OFDM	MCS0	2TX					
	5775	155	155								
802.11ac VHT160	5250	50	50	OFDM	MCS0	2TX					
002.11aC_VH1100	5570	114	114		IVICSU	217					

	RADIATED EMISSION TEST (ABOVE 1 GHz)											
MODE	FREQUENCY	AVAILABLE	TESTED	MODULATION	RU	DATA RATE	ANTENNA					
MODE	BAND (MHz)	CHANNEL	CHANNEL	WIODULATION	CONFIGURATION	(Mbps)	PORT					
	5180~5240	36 to 48	36,40,48		EULL DU							
802.11ax_HE20	5500~5700	100 to 140	100,120,140	OFDMA	MA FULL RU 106/53	MCS0	2TX					
	5745~5825	149 to 165	149,157,165	Ī	100/55							
	5190~5230	38 to 46	38,46		DFDMA FULL RU 242/61	MCS0	2TX					
802.11ax_HE40	5510~5670	102 to 134	102,118,134	OFDMA								
	5755~5795	151 to 159	151,159	Ī	242/01							
	5210	42	42		FULL RU	DU						
802.11ax_HE80	5530~5610	106~122	106,122	OFDMA	484/65	MCS0	2TX					
	5775	155	155		404/00							
900 11av UE160	5250	50	50	OFDMA	FULL RU	MCCO	2TX					
802.11ax_HE160	5570	114	114	OFDIVIA	996/S67	MCS0	ZIX					

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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Page: 15 of 132

MEASUREMENT UNCERTAINTY

Radiated Spurious Emission Measurement Uncertainty								
	+/-	2.57	dB	9kHz~30MHz				
Polarization: Vertical	+/-	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				
Folarization: Horizontal	+/-	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.



Page: 16 of 132

UNDESIRABLE RADIATED EMISSION MEASUREMENT

6.1 Standard Applicable

EIRP = $((E^*d)^2) / 30$, where E is the field strength in V/m, d is the measurement distance (3m), EIRP is the equivalent isotropically radiated power in Watts.

5150~5850 MHz 6.1.1

Applicable	Operation	EIRP		Field Strength
to	Freq. (MHz)	Freq. (MHz)	Limits (dBm/MHz)	@ 3m
15.407(b)(1) RSS-247 §6.2.1.2	5150~5250	f ≤ 5150		
15.407(b)(2) RSS-247 §6.2.2.2	5250~5350	f ≥ 5350	PK: -27	PK: 68.2
15.407(b)(3) RSS-247 §6.2.3.2	5475~5725	f ≤ 5470 f ≥ 5725		
		at 75 MHz or more above or be- low the band edge	PK:-27	PK: 68.2
15.407(b)(4)(i)	5725~5850	increasing linearly from 75~25MHz above or below the band edge		PK: 68.2~105.2
RSS-247 §6.2.4.2		increasing linearly from 25~5MHz above or below the band edge	PK:10~15.6	PK: 105.2~110.8
		increasing linearly from 5~0 MHz above or below the band edge	PK: 15.6~27	PK:110.8~122.2

6.1.2 **Spurious Emission**

Unwanted spurious emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

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:

The lower limit shall apply at the transition frequencies.

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Page: 17 of 132

6.2 Measurement Equipment Used:

	Radiated Emission Test Site: SAC 1								
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUM- BER	LAST CAL.	CAL DUE.				
Horn Antenna	SCHWARZ- BECK	BBHA9120D	D803	12/20/2021	12/19/2022				
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT- N0555	01/03/2022	01/02/2023				
Horn Antenna	SCHWARZ- BECK	BBHA9170	184	12/16/2021	12/15/2022				
Site Cal	SGS	SAC 1	N/A	01/01/2022	12/31/2022				
Loop Antenna	ETS.LINDGREN	6502	148045	09/29/2021	09/28/2022				
Spectrum Ana- lyzer	Agilent	E4446A	MY51100003	10/26/2021	10/25/2022				
EMI Test Re- ceiver	R&S	ESCI 7	100759	08/26/2021	08/25/2022				
Pre-Amplifier	EMC Instru- ments	EMC184045B	980135	10/27/2021	10/26/2022				
Pre-Amplifier	HP	8449B	3008A01973	12/16/2021	12/15/2022				
Pre-Amplifier	HP	8447D	2944A09469	12/16/2021	12/15/2022				
Bandreject Filter 5150-5350	Micro-Tronics	BRM50703	1	12/14/2021	12/13/2022				
Bandreject Filter 5470-5725	Micro-Tronics	BRM50704	1	12/14/2021	12/13/2022				
Bandreject Filter 5725-5875	Micro-Tronics	BRM50705	1	12/14/2021	12/13/2022				
8.6GHz High Pass Filter	Titan	T04H86002600060S01	210619-2-7	12/14/2021	12/13/2022				
Coaxial Cable	Huber Suhner	succoflex 102	MY2622/2	12/16/2021	12/15/2022				
Coaxial Cable	Huber Suhner	succoflex 104A	800086/4a	12/16/2021	12/15/2022				
Coaxial Cable	Huber Suhner	EMC 104-SM-SM- 2000	160123	12/16/2021	12/15/2022				
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2630/2	12/16/2021	12/15/2022				
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY22962/2	12/16/2021	12/15/2022				

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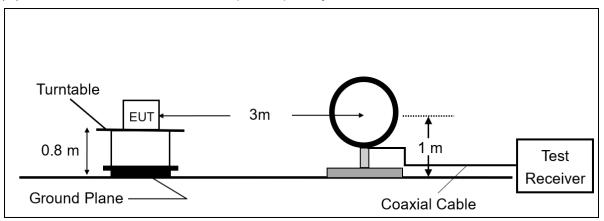
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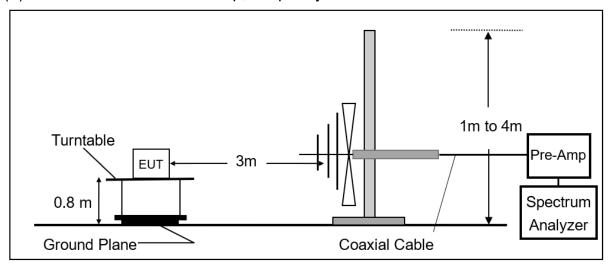
Page: 18 of 132

6.3 **Test Setup**

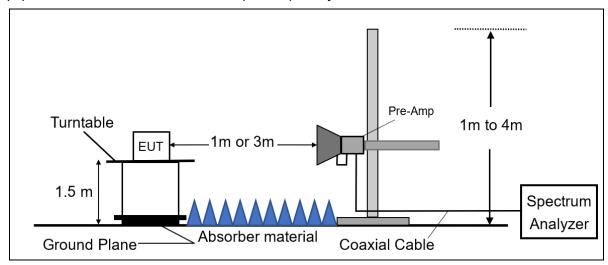
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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Page: 19 of 132

6.4 **Measurement Procedure**

- 1. The testing follows FCC KDB 789033 D02.
- The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for fre-2. quency> 1GHz above ground plane.
- 3. The turn table shall rotate 360 degrees to determine the position of maximum emission
- EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
- 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.
- Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Maximum Emission Measure-7. ments at frequency above 1 GHz.
- Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 1/T 8. (Duty cycle < 98%) for Average Emission Measurements at frequency above 1 GHz.
- 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 frequency measured were complete.

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Page: 20 of 132

6.5 **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)

RA = Reading Amplitude

AG = Amplifier Gain

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 μ V/m) + Cable Loss(dB) – Pre Amplifier Gain(dB)

6.6 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.

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6.7 **Radiated Spurious Emission Measurement Result**

6.7.1 **Spurious Emission**

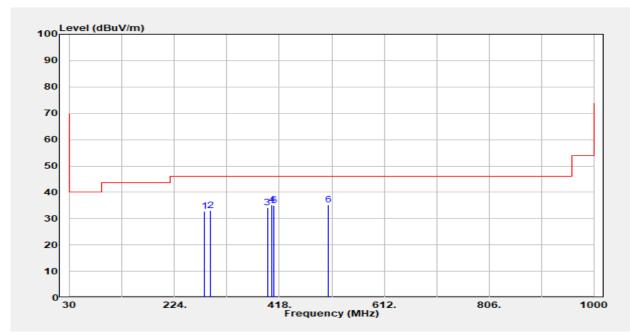
:TERF2207001062ER Report Number Test Site :SAC 1

Operation Mode :802.11a **Test Date** :2022-07-22

Test Frequency :5200 MHz Temp./Humi. :24.0/62

Test Mode Antenna Pol. :Tx :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
279.29	Peak	42.41	-9.64	32.76	46.00	-13.24
290.93	Peak	42.52	-9.35	33.17	46.00	-12.83
395.69	Peak	40.95	-6.87	34.07	46.00	-11.93
403.45	Peak	41.77	-6.58	35.19	46.00	-10.81
407.33	Peak	41.50	-6.46	35.04	46.00	-10.96
508.21	Peak	40.51	-5.29	35.22	46.00	-10.78

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Page: 22 of 132

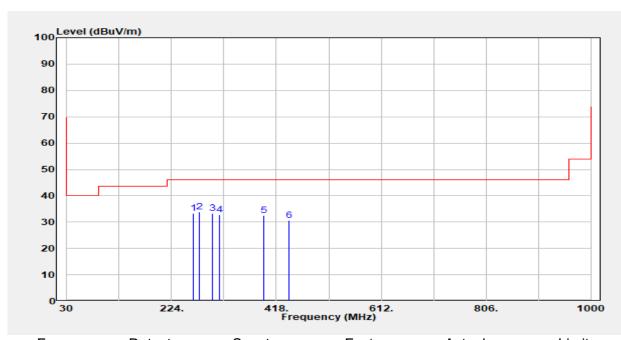
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-07-22

Test Frequency :5200 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
				•	•	
263.77	Peak	42.42	-9.13	33.30	46.00	-12.70
275.41	Peak	43.70	-9.76	33.93	46.00	-12.07
299.66	Peak	42.60	-9.26	33.35	46.00	-12.65
312.27	Peak	41.76	-9.00	32.77	46.00	-13.23
394.72	Peak	39.42	-6.90	32.51	46.00	-13.49
441.28	Peak	37.07	-6.46	30.62	46.00	-15.38

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Page: 23 of 132

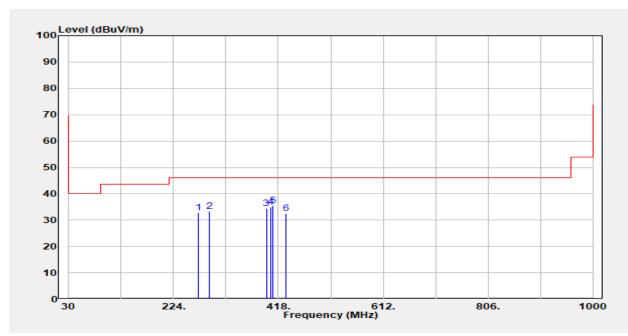
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11a **Test Date** :2022-07-22

Test Frequency :5600 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
269.59	Peak	42.40	-9.69	32.71	46.00	-13.29
290.93	Peak	42.61	-9.35	33.26	46.00	-12.74
395.69	Peak	41.24	-6.87	34.37	46.00	-11.63
403.45	Peak	41.46	-6.58	34.88	46.00	-11.12
407.33	Peak	41.94	-6.46	35.47	46.00	-10.53
432.55	Peak	39.25	-6.69	32.56	46.00	-13.44

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Page: 24 of 132

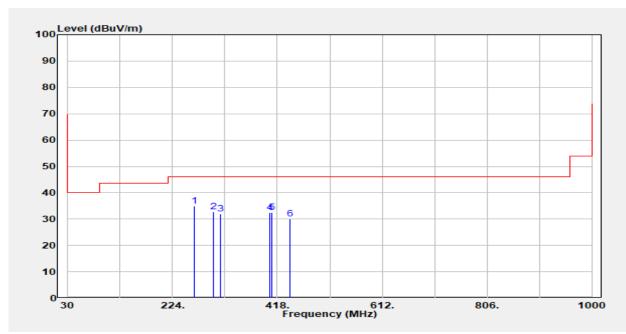
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-07-22

Test Frequency :5600 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
263.77	Peak	44.09	-9.13	34.96	46.00	-11.04
299.66	Peak	41.94	-9.26	32.68	46.00	-13.32
312.27	Peak	40.99	-9.00	31.99	46.00	-14.01
403.45	Peak	39.22	-6.58	32.64	46.00	-13.36
407.33	Peak	39.10	-6.46	32.64	46.00	-13.36
441.28	Peak	36.48	-6.46	30.03	46.00	-15.97

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Page: 25 of 132

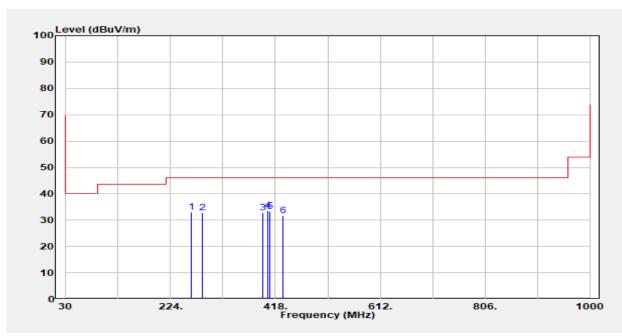
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11a **Test Date** :2022-07-22

Test Frequency :5785 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
261.83	Peak	42.08	-9.02	33.06	46.00	-12.94
283.17	Peak	42.32	-9.54	32.78	46.00	-13.22
394.72	Peak	39.63	-6.90	32.73	46.00	-13.27
403.45	Peak	40.30	-6.58	33.72	46.00	-12.28
407.33	Peak	39.80	-6.46	33.34	46.00	-12.66
432.55	Peak	38.37	-6.69	31.68	46.00	-14.32

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Page: 26 of 132

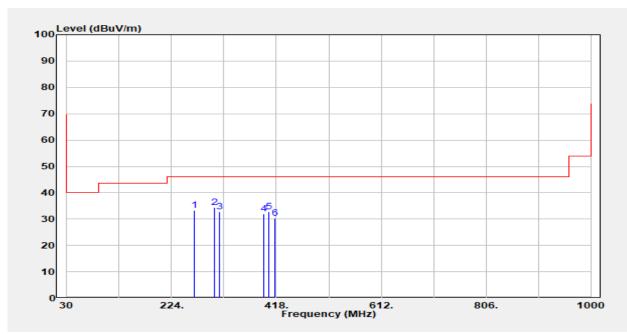
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-07-22

Test Frequency :5785 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
266.68	Peak	42.72	-9.38	33.34	46.00	-12.66
303.54	Peak	43.55	-9.16	34.39	46.00	-11.61
312.27	Peak	41.84	-9.00	32.84	46.00	-13.16
394.72	Peak	38.87	-6.90	31.96	46.00	-14.04
403.45	Peak	39.41	-6.58	32.83	46.00	-13.17
416.06	Peak	37.02	-6.57	30.45	46.00	-15.55

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Page: 27 of 132

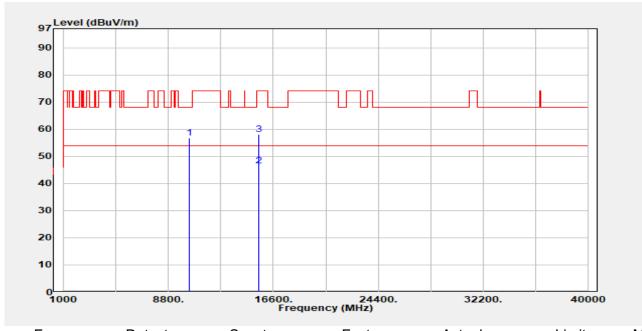
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11a **Test Date** :2022-07-22

Test Frequency :5180 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Peak	35.98	20.87	56.85	68.20	-11.35
Average	25.09	21.54	46.63	54.00	-7.37
Peak	36.60	21.54	58.14	74.00	-15.86
	Mode PK/QP/AV Peak Average	Mode Reading Level PK/QP/AV dBμV Peak 35.98 Average 25.09	Mode PK/QP/AV Reading Level dBμV dB Peak Average 35.98 20.87 21.54	Mode PK/QP/AV Reading Level ABμV FS ABμV/M Peak Average 35.98 20.87 56.85 46.63	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 35.98 20.87 56.85 68.20 Average 25.09 21.54 46.63 54.00

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Page: 28 of 132

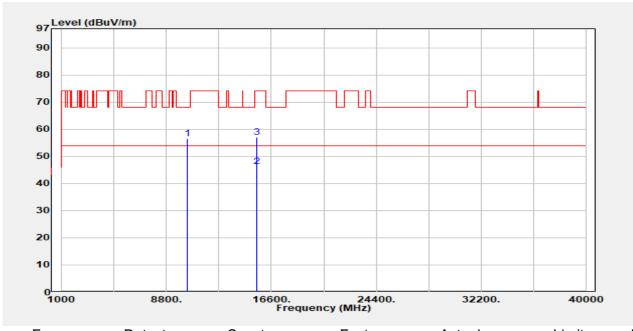
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-07-22

Test Frequency :5180 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Peak	35.64	20.87	56.51	68.20	-11.69
Average	24.85	21.54	46.39	54.00	-7.61
Peak	35.52	21.54	57.06	74.00	-16.94
	Mode PK/QP/AV Peak Average	Mode Reading Level dBμV Peak 35.64 Average 24.85	Mode PK/QP/AV Reading Level dBμV dB Peak Average 35.64 20.87 21.54	Mode PK/QP/AV Reading Level ABμV FS ABμV/M Peak Average 35.64 20.87 21.54 46.39 56.51 46.39	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 35.64 20.87 56.51 68.20 Average 24.85 21.54 46.39 54.00

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Page: 29 of 132

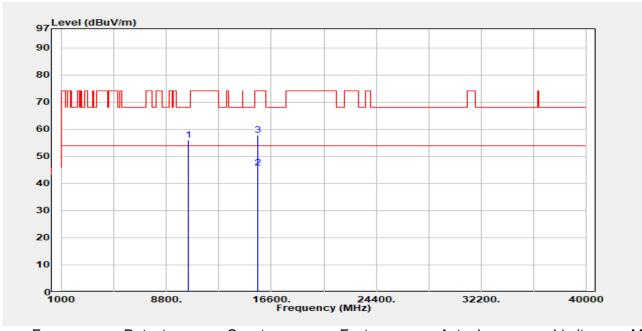
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-07-22

Test Frequency :5200 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Peak	37.01	18.87	55.88	68.20	-12.32
Average	24.51	21.34	45.85	54.00	-8.15
Peak	36.46	21.34	57.80	74.00	-16.20
	Mode PK/QP/AV Peak Average	Mode Reading Level dBμV Peak 37.01 Average 24.51	Mode PK/QP/AV Reading Level dB μV dB Peak Average 37.01 18.87 Average 24.51 21.34	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Peak Average 37.01 18.87 55.88 Average 24.51 21.34 45.85	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 37.01 18.87 55.88 68.20 Average 24.51 21.34 45.85 54.00

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Page: 30 of 132

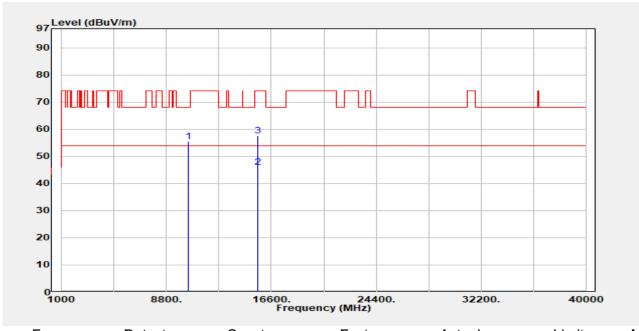
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11a **Test Date** :2022-07-22

Test Frequency :5200 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Peak	36.48	18.87	55.35	68.20	-12.85
Average	24.59	21.34	45.93	54.00	-8.07
Peak	36.33	21.34	57.67	74.00	-16.33
	Mode PK/QP/AV Peak Average	Mode Reading Level PK/QP/AV dBμV Peak 36.48 Average 24.59	Mode PK/QP/AV Reading Level dB V dB Peak Average 36.48 24.59 21.34	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Peak 36.48 18.87 55.35 Average 24.59 21.34 45.93	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak Average 36.48 24.59 21.34 45.93 54.00 18.87 25.35 68.20 54.00

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Page: 31 of 132

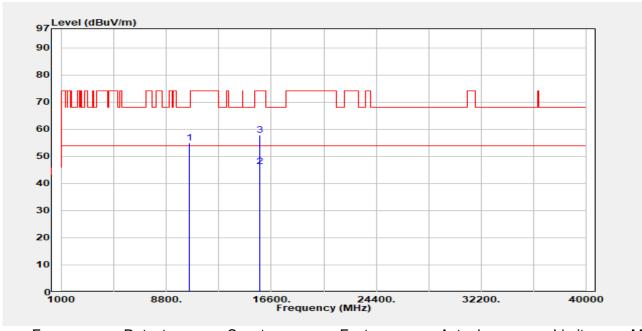
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-07-22

Test Frequency :5240 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Peak	35.14	19.83	54.97	68.20	-13.23
Average	24.98	21.23	46.21	54.00	-7.79
Peak	36.58	21.23	57.81	74.00	-16.19
	Mode PK/QP/AV Peak Average	Mode Reading Level PK/QP/AV dBμV Peak 35.14 Average 24.98	Mode PK/QP/AV Reading Level dBμV dB Peak Average 35.14 19.83 21.23	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Peak 35.14 19.83 54.97 Average 24.98 21.23 46.21	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Peak Average 35.14 19.83 54.97 68.20 21.23 46.21 54.00

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Page: 32 of 132

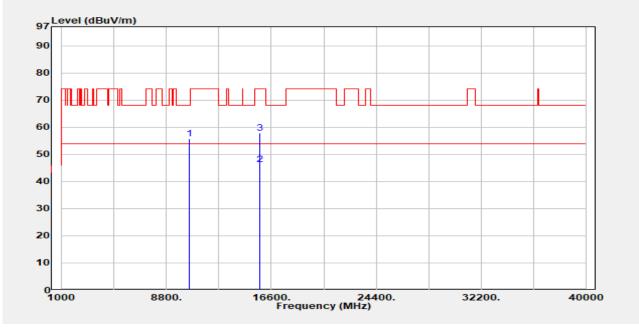
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11a **Test Date** :2022-07-22

Test Frequency :5240 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
						_
10480.00	Peak	35.77	19.83	55.60	68.20	-12.60
15720.00	Average	24.97	21.23	46.20	54.00	-7.80
15720.00	Peak	36.48	21.23	57.70	74.00	-16.30

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Page: 33 of 132

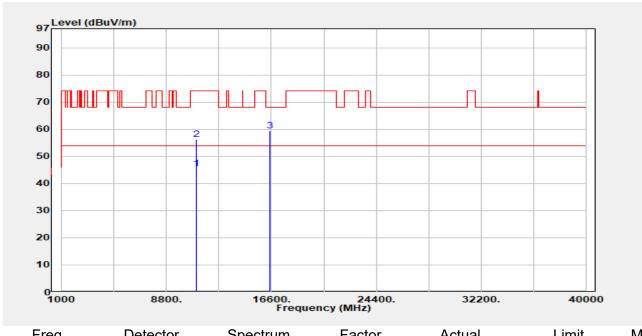
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-07-22

Test Frequency :5500 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	24.88	20.62	45.50	54.00	-8.50
Peak	35.71	20.62	56.33	74.00	-17.67
Peak	35.75	23.54	59.29	68.20	-8.91
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 24.88 Peak 35.71	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.88 20.62 Peak 35.71 20.62	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak 24.88 20.62 45.50 Peak 35.71 20.62 56.33	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.88 20.62 45.50 54.00 Peak 35.71 20.62 56.33 74.00

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Page: 34 of 132

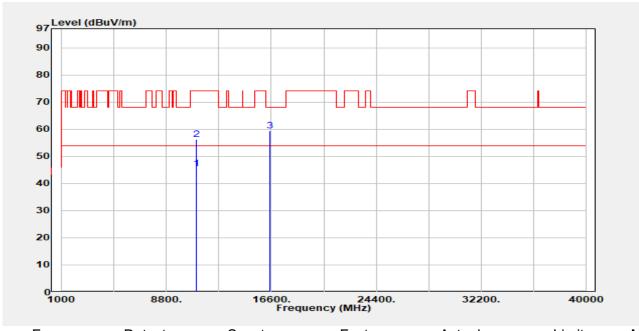
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-07-22

Test Frequency :5500 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Margin
dB
_
-8.52
-17.79
-8.80

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Page: 35 of 132

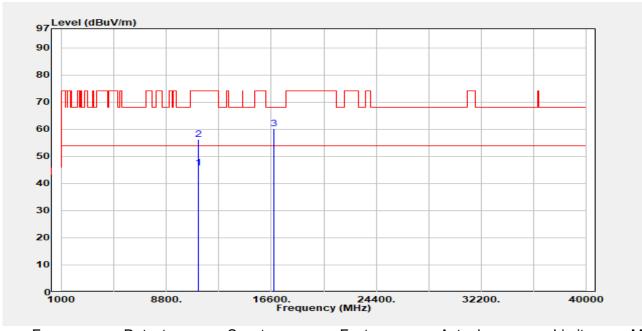
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-07-22

Test Frequency :5600 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
Average	25.10	20.63	45.73	54.00	-8.27
Peak	35.73	20.63	56.37	74.00	-17.63
Peak	34.79	25.36	60.16	68.20	-8.04
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 25.10 Peak 35.73	Mode PK/QP/AV Reading Level dB μV dB Average Peak 25.10 20.63 Peak 35.73 20.63	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 25.10 20.63 45.73 Peak 35.73 20.63 56.37	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Average Peak 25.10 20.63 45.73 54.00 Peak 35.73 20.63 56.37 74.00

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Page: 36 of 132

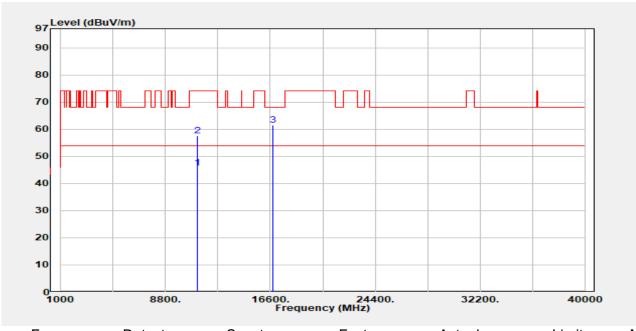
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-07-22

Test Frequency :5600 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	25.12	20.63	45.75	54.00	-8.25
Peak	36.90	20.63	57.54	74.00	-16.46
Peak	36.12	25.36	61.49	68.20	-6.71
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 25.12 Peak 36.90	Mode PK/QP/AV Reading Level dB μV dB Average Peak 25.12 20.63 Peak 36.90 20.63	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 25.12 20.63 45.75 Peak 36.90 20.63 57.54	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.12 20.63 45.75 54.00 Peak 36.90 20.63 57.54 74.00

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Page: 37 of 132

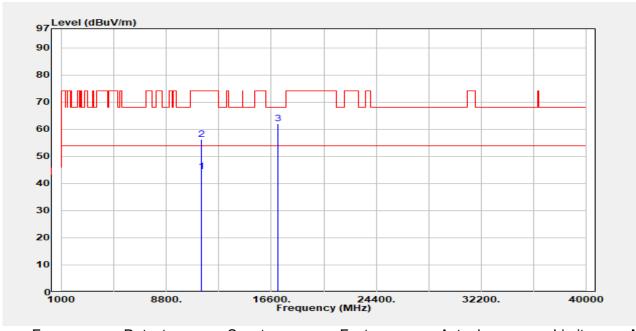
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-07-22

Test Frequency :5700 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	24.38	20.11	44.49	54.00	-9.51
Peak	36.08	20.11	56.19	74.00	-17.81
Peak	35.68	26.35	62.03	68.20	-6.17
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 24.38 Peak 36.08	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.38 20.11 Peak 36.08 20.11	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 24.38 20.11 20.11 56.19	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.38 20.11 44.49 54.00 Peak 36.08 20.11 56.19 74.00

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Page: 38 of 132

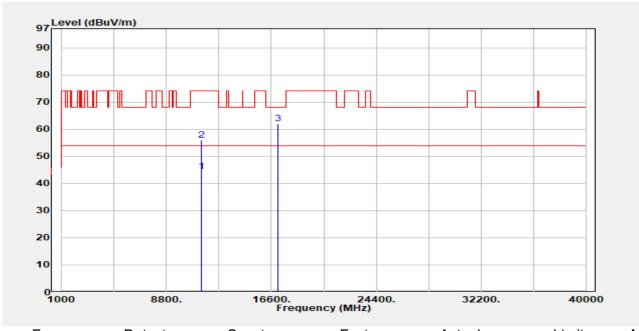
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11a **Test Date** :2022-07-22

Test Frequency :5700 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
Average	24.34	20.11	44.45	54.00	- 9.55
Peak	35.93	20.11	56.04	74.00	-17.96
Peak	35.74	26.35	62.09	68.20	-6.11
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 24.34 Peak 35.93	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.34 20.11 Peak 35.93 20.11	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 24.34 20.11 44.45 Peak 35.93 20.11 56.04	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.34 20.11 44.45 54.00 Peak 35.93 20.11 56.04 74.00

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Page: 39 of 132

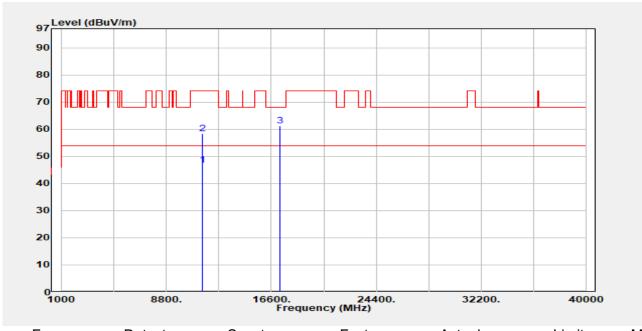
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11a **Test Date** :2022-07-22

Test Frequency :5745 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	24.14	22.53	46.67	54.00	-7.33
Peak	35.94	22.53	58.47	74.00	-15.53
Peak	34.81	26.43	61.24	68.20	-6.96
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 24.14 Peak 35.94	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.14 22.53 Peak 35.94 22.53	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 24.14 22.53 46.67 Peak 35.94 22.53 58.47	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.14 22.53 46.67 54.00 Peak 35.94 22.53 58.47 74.00

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Page: 40 of 132

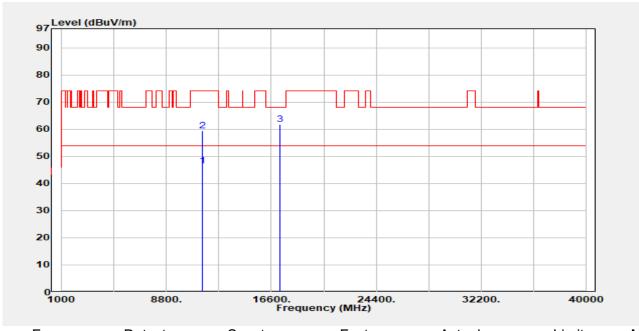
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11a **Test Date** :2022-07-22

Test Frequency :5745 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11490.00	Average	24.06	22.53	46.59	54.00	-7.41
11490.00	Peak	36.84	22.53	59.37	74.00	-14.63
17235.00	Peak	35.22	26.43	61.65	68.20	-6.55

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Page: 41 of 132

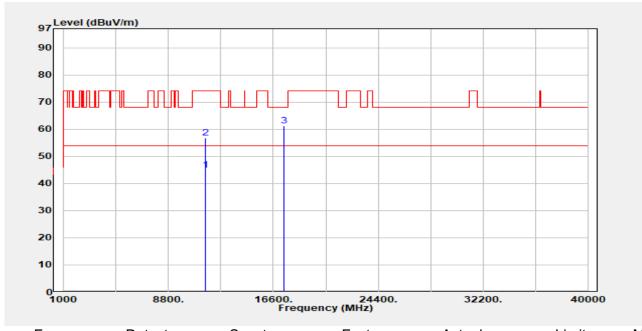
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-07-22

Test Frequency :5785 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	24.09	20.87	44.96	54.00	-9.04
Peak	35.93	20.87	56.80	74.00	-17.20
Peak	34.56	26.59	61.15	68.20	-7.05
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 24.09 Peak 35.93	Mode PK/QP/AV Reading Level dB μV dB Average Peak 24.09 20.87 Peak 35.93 20.87	Mode PK/QP/AV Reading Level ABμV FS ABμV/M Average Peak 24.09 20.87 44.96 Peak 35.93 20.87 56.80	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.09 20.87 44.96 54.00 Peak 35.93 20.87 56.80 74.00

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Page: 42 of 132

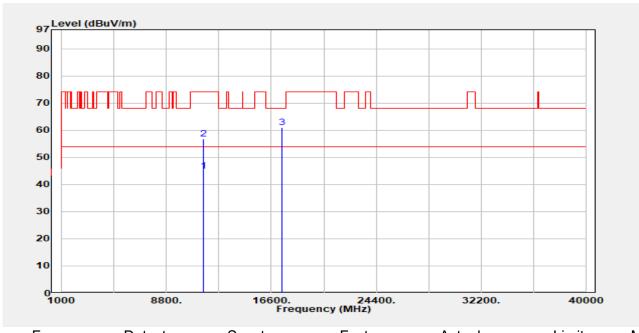
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-07-22

Test Frequency :5785 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Average	24.08	20.87	44.95	54.00	-9.05
Peak	35.81	20.87	56.68	74.00	-17.32
Peak	34.33	26.59	60.92	68.20	-7.28
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 24.08 Peak 35.81	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.08 20.87 Peak 35.81 20.87	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 24.08 20.87 44.95 Peak 35.81 20.87 56.68	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.08 20.87 44.95 54.00 Peak 35.81 20.87 56.68 74.00

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Page: 43 of 132

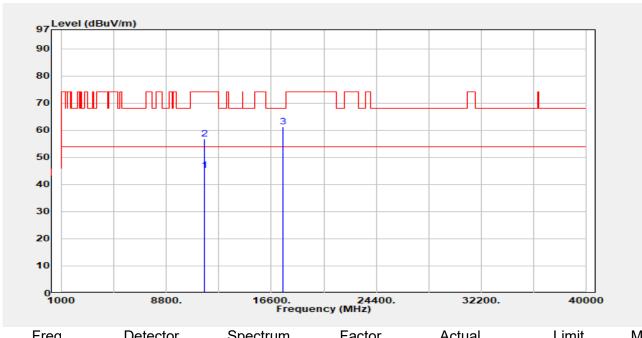
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11a **Test Date** :2022-07-22

Test Frequency :5825 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Average	23.80	21.33	45.13	54.00	-8.87
Peak	35.49	21.33	56.82	74.00	-17.18
Peak	33.86	27.46	61.33	68.20	-6.87
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 23.80 Peak 35.49	Mode PK/QP/AV Reading Level dB μV dB Average Peak 23.80 21.33 Peak 35.49 21.33	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 23.80 21.33 45.13 Peak 35.49 21.33 56.82	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 23.80 21.33 45.13 54.00 Peak 35.49 21.33 56.82 74.00

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Page: 44 of 132

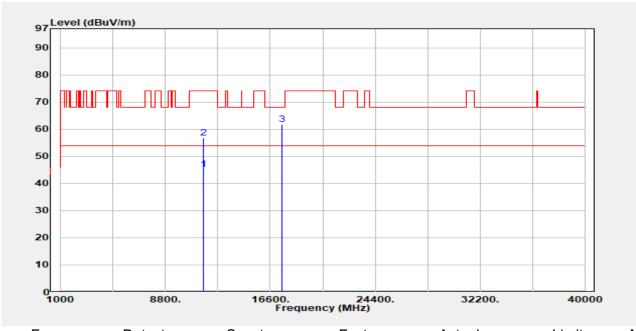
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11a **Test Date** :2022-07-22

Test Frequency :5825 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	23.81	21.33	45.14	54.00	-8.86
Peak	35.48	21.33	56.80	74.00	-17.20
Peak	34.35	27.46	61.81	68.20	-6.39
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 23.81 Peak 35.48	Mode PK/QP/AV Reading Level dBμV dB Average Peak 23.81 21.33 Peak 35.48 21.33	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 23.81 21.33 45.14 Peak 35.48 21.33 56.80	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Average Peak 23.81 21.33 45.14 54.00 Peak 35.48 21.33 56.80 74.00

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Page: 45 of 132

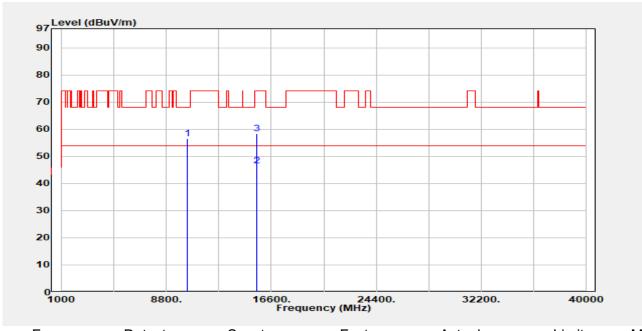
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n20 **Test Date** :2022-07-22

Test Frequency :5180 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Peak	35.53	20.87	56.40	68.20	-11.80
Average	24.86	21.54	46.40	54.00	-7.60
Peak	36.87	21.54	58.42	74.00	-15.58
	Mode PK/QP/AV Peak Average	Mode Reading Level PK/QP/AV dBμV Peak 35.53 Average 24.86	Mode PK/QP/AV Reading Level ABμV dB Peak Average 35.53 20.87 Average 24.86 21.54	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Peak Average 35.53 20.87 56.40 Average 24.86 21.54 46.40	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 35.53 20.87 56.40 68.20 Average 24.86 21.54 46.40 54.00

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Page: 46 of 132

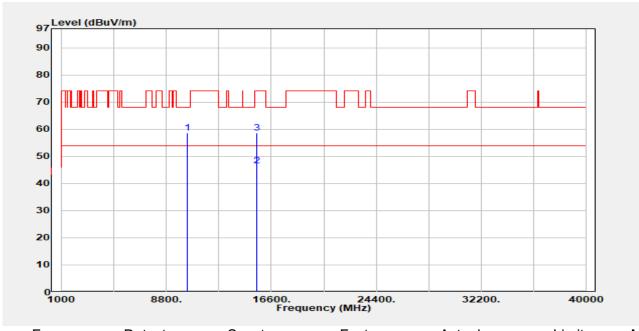
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11n20 Test Date :2022-07-22

Test Frequency :5180 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
			_		
Peak	37.68	20.87	58.55	68.20	-9.65
Average	25.07	21.54	46.61	54.00	-7.39
Peak	37.03	21.54	58.57	74.00	-15.43
	Mode PK/QP/AV Peak Average	Mode Reading Level PK/QP/AV dBμV Peak 37.68 Average 25.07	Mode PK/QP/AV Reading Level dBμV dB Peak Average 37.68 20.87 Average 25.07 21.54	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Peak 37.68 20.87 58.55 Average 25.07 21.54 46.61	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Peak 37.68 20.87 Average 25.07 21.54 46.61 54.00

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Page: 47 of 132

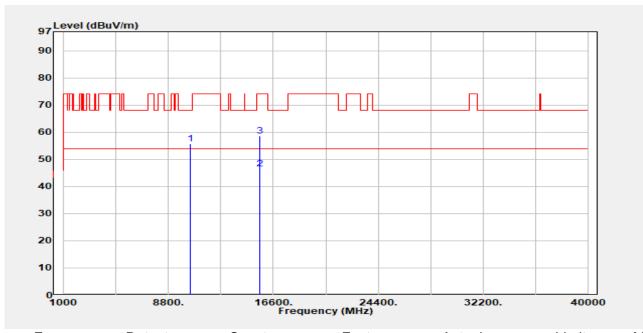
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11n20 Test Date :2022-07-22

Test Frequency :5200 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
Peak	36.80	18.87	55.67	68.20	-12.53
Average	25.08	21.34	46.42	54.00	-7.58
Peak	37.16	21.34	58.50	74.00	-15.50
	Mode PK/QP/AV Peak Average	Mode PK/QP/AV Reading Level dBμV Peak 36.80 Average 25.08	Mode PK/QP/AV Reading Level dBμV dB Peak Average 36.80 18.87 Average 25.08 21.34	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Peak Average 36.80 18.87 55.67 Average 25.08 21.34 46.42	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Peak 36.80 18.87 55.67 68.20 Average 25.08 21.34 46.42 54.00

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Page: 48 of 132

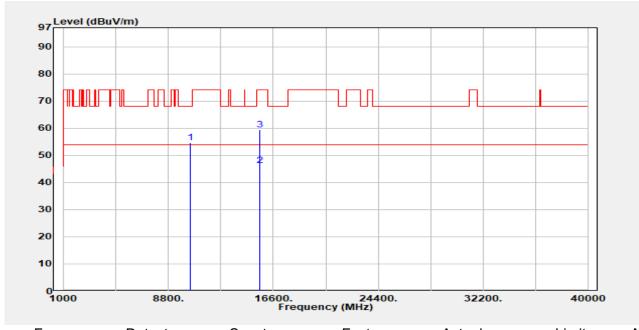
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Operation Mode :802.11n20 **Test Date** :2022-07-22

Test Frequency :5200 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Peak	35.80	18.87	54.66	68.20	-13.54
Average	25.01	21.34	46.35	54.00	-7.65
Peak	37.97	21.34	59.31	74.00	-14.69
	Mode PK/QP/AV Peak Average	Mode Reading Level dBμV Peak 35.80 Average 25.01	Mode PK/QP/AV Reading Level dBμV dB Peak Average 35.80 18.87 Average 25.01 21.34	Mode PK/QP/AV Reading Level ABμV FS ABμV/M Peak Average 35.80 18.87 54.66 Average 25.01 21.34 46.35	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 35.80 18.87 54.66 68.20 Average 25.01 21.34 46.35 54.00

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Page: 49 of 132

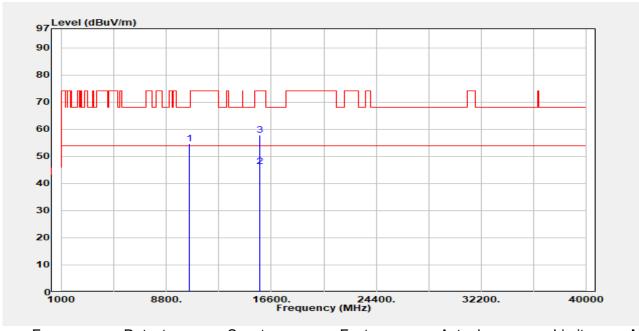
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n20 **Test Date** :2022-07-22

Test Frequency :5240 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10480.00	Peak	34.91	19.83	54.74	68.20	-13.46
15720.00	Average	25.02	21.23	46.25	54.00	-7.75
15720.00	Peak	36.51	21.23	57.74	74.00	-16.26

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Page: 50 of 132

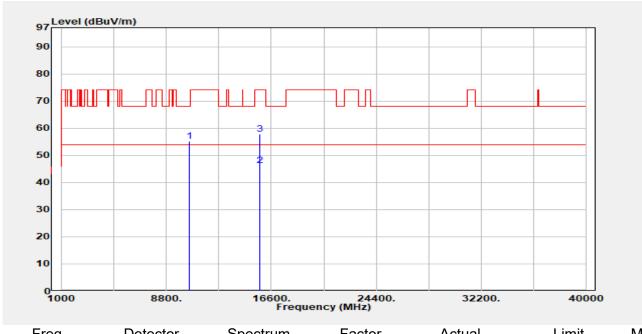
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n20 **Test Date** :2022-07-22

Test Frequency :5240 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
Peak	35.43	19.83	55.26	68.20	-12.94
Average	24.94	21.23	46.17	54.00	-7.83
Peak	36.55	21.23	57.77	74.00	-16.23
	Mode PK/QP/AV Peak Average	Mode Reading Level dBμV Peak 35.43 Average 24.94	Mode PK/QP/AV Reading Level dBμV dB Peak Average 35.43 19.83 Average 24.94 21.23	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Peak 35.43 19.83 55.26 Average 24.94 21.23 46.17	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 35.43 19.83 55.26 68.20 Average 24.94 21.23 46.17 54.00

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Page: 51 of 132

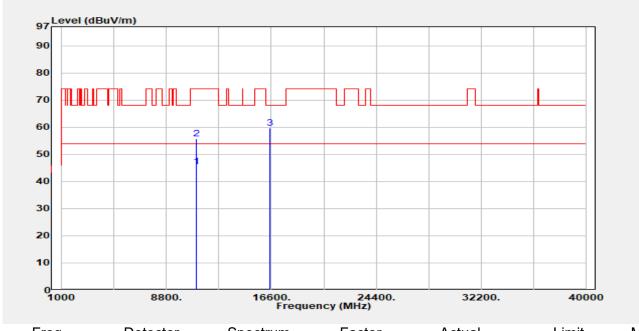
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n20 **Test Date** :2022-07-22

Test Frequency :5500 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
					_
Average	24.81	20.62	45.43	54.00	-8.57
Peak	35.16	20.62	55.78	74.00	-18.22
Peak	36.12	23.54	59.66	68.20	-8.54
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 24.81 Peak 35.16	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.81 20.62 Peak 35.16 20.62	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak 24.81 20.62 45.43 Peak 35.16 20.62 55.78	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.81 20.62 45.43 54.00 Peak 35.16 20.62 55.78 74.00

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Page: 52 of 132

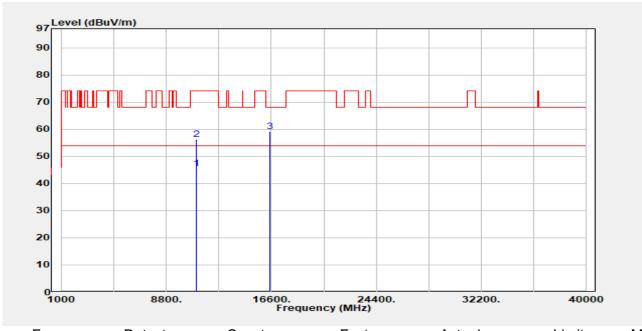
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n20 **Test Date** :2022-07-22

Test Frequency :5500 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Average	24.83	20.62	45.45	54.00	-8.55
Peak	35.73	20.62	56.36	74.00	-17.64
Peak	35.68	23.54	59.22	68.20	-8.98
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 24.83 Peak 35.73	Mode PK/QP/AV Reading Level dB μV dB Average Peak 24.83 20.62 Peak 35.73 20.62	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 24.83 20.62 45.45 Peak 35.73 20.62 56.36	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.83 20.62 45.45 54.00 Peak 35.73 20.62 56.36 74.00

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Page: 53 of 132

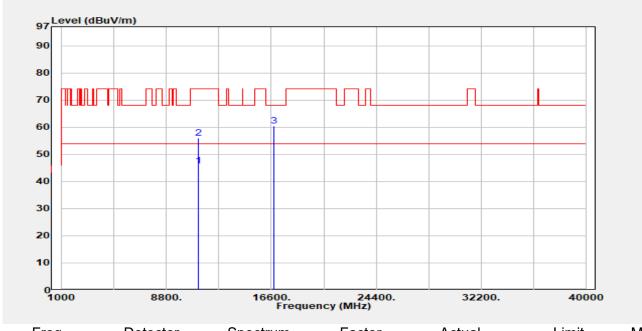
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11n20 Test Date :2022-07-22

Test Frequency :5600 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	25.10	20.63	45.73	54.00	-8.27
Peak	35.48	20.63	56.12	74.00	-17.88
Peak	35.07	25.36	60.44	68.20	-7.76
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 25.10 Peak 35.48	Mode PK/QP/AV Reading Level dB μV dB Average Peak 25.10 20.63 Peak 35.48 20.63	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 25.10 20.63 45.73 Peak 35.48 20.63 56.12	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.10 20.63 45.73 54.00 Peak 35.48 20.63 56.12 74.00

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Page: 54 of 132

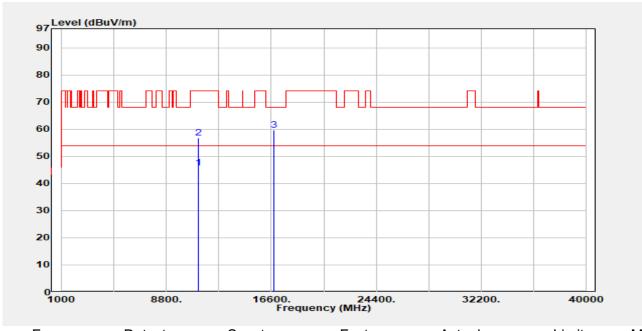
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Operation Mode :802.11n20 Test Date :2022-07-22

Test Frequency :5600 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Average	25.13	20.63	45.76	54.00	-8.24
Peak	36.02	20.63	56.65	74.00	-17.35
Peak	34.35	25.36	59.71	68.20	-8.49
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 25.13 Peak 36.02	Mode PK/QP/AV Reading Level dBμV dB Average Peak 25.13 20.63 Peak 36.02 20.63	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 25.13 20.63 45.76 Peak 36.02 20.63 56.65	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.13 20.63 45.76 54.00 Peak 36.02 20.63 56.65 74.00

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Page: 55 of 132

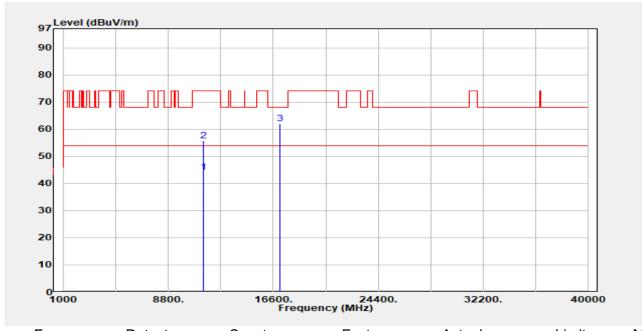
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11n20 Test Date :2022-07-22

Test Frequency :5700 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	24.11	20.11	44.22	54.00	-9.78
Peak	35.64	20.11	55.75	74.00	-18.25
Peak	35.69	26.35	62.04	68.20	-6.16
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 24.11 Peak 35.64	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.11 20.11 20.11 20.11	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Average Peak 24.11 20.11 44.22 Peak 35.64 20.11 55.75	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Average Peak 24.11 20.11 44.22 54.00 Peak 35.64 20.11 55.75 74.00

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Page: 56 of 132

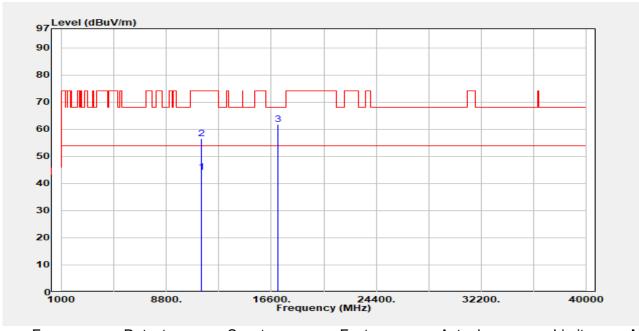
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n20 **Test Date** :2022-07-22

Test Frequency :5700 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11400.00	Average	24.07	20.11	44.18	54.00	-9.82
11400.00	Peak	36.33	20.11	56.45	74.00	-17.55
17100.00	Peak	35.39	26.35	61.74	68.20	-6.46

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Page: 57 of 132

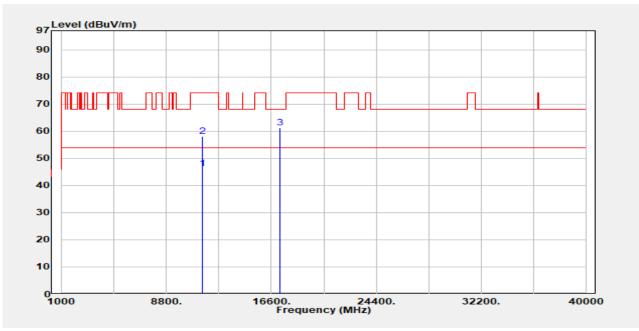
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Operation Mode :802.11n20 **Test Date** :2022-07-22

Test Frequency :5745 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11490.00	Average	23.85	22.53	46.38	54.00	-7.62
11490.00	Peak	35.55	22.53	58.07	74.00	-15.93
17235.00	Peak	34.94	26.43	61.38	68.20	-6.82

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Page: 58 of 132

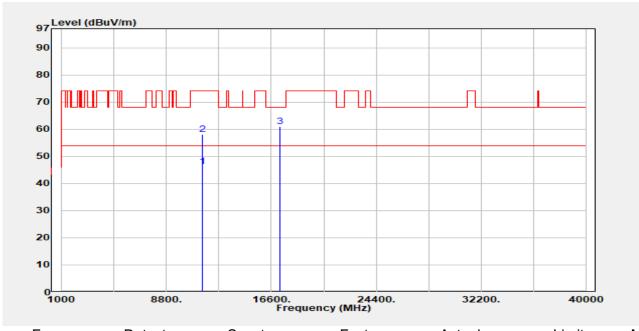
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n20 **Test Date** :2022-07-22

Test Frequency :5745 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11490.00	Average	23.84	22.53	46.37	54.00	-7.63
11490.00	Peak	35.62	22.53	58.15	74.00	-15.85
17235.00	Peak	34.57	26.43	61.00	68.20	-7.20

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Page: 59 of 132

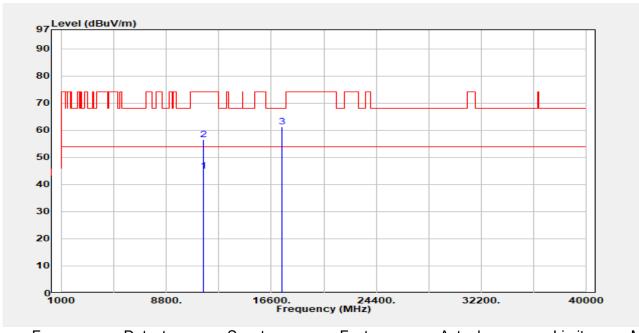
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n20 **Test Date** :2022-07-22

Test Frequency :5785 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11570.00	Average	23.96	20.87	44.83	54.00	-9.17
11570.00	Peak	35.66	20.87	56.53	74.00	-17.47
17355.00	Peak	34.79	26.59	61.37	68.20	-6.83

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Page: 60 of 132

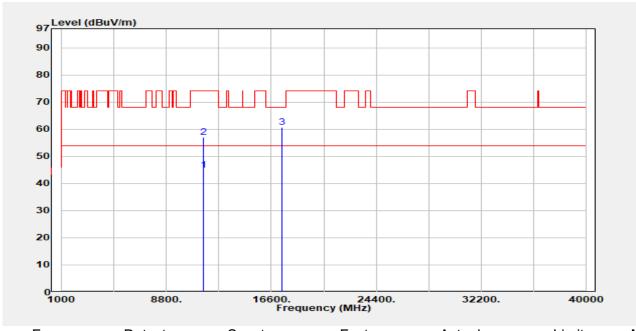
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n20 **Test Date** :2022-07-22

Test Frequency :5785 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
) Average	23.95	20.87	44.82	54.00	-9.18
) Peak	36.05	20.87	56.93	74.00	-17.07
) Peak	34.24	26.59	60.83	68.20	-7.37
	Mode PK/QP/AV) Average) Peak	Mode Reading Level dBμV Average 23.95 Peak 36.05	Mode PK/QP/AV Reading Level dBμV dB 0 Average 23.95 20.87 0 Peak 36.05 20.87	Mode PK/QP/AV Reading Level ABμV FS ABμV/m D Average Peak 23.95 20.87 44.82 D Peak 36.05 20.87 56.93	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m 0 Average Ave

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Page: 61 of 132

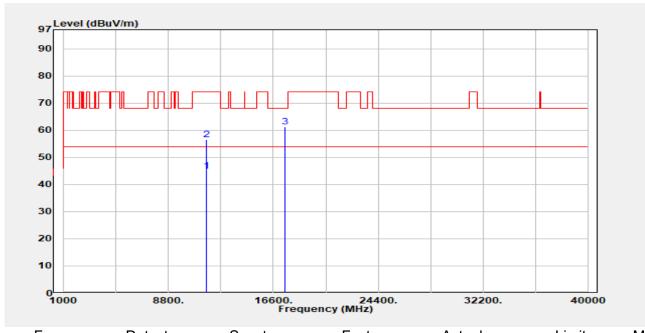
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n20 **Test Date** :2022-07-22

Test Frequency :5825 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11650.00	Average	23.74	21.33	45.07	54.00	-8.93
11650.00	Peak	35.21	21.33	56.54	74.00	-17.46
17475.00	Peak	33.71	27.46	61.18	68.20	-7.02
	MHz 11650.00 11650.00	Mode PK/QP/AV 11650.00 Average 11650.00 Peak	MHz PK/QP/AV dBμV 11650.00 Average 23.74 11650.00 Peak 35.21	MHz Mode PK/QP/AV Reading Level dBμV dB 11650.00 Average Avera	MHz Mode PK/QP/AV Reading Level dBμV FS dBμV/m 11650.00 Average Averag	MHz Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m 11650.00 Average Average Peak 23.74 21.33 21.33 256.54 74.00 21.33 256.54 74.00

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Page: 62 of 132

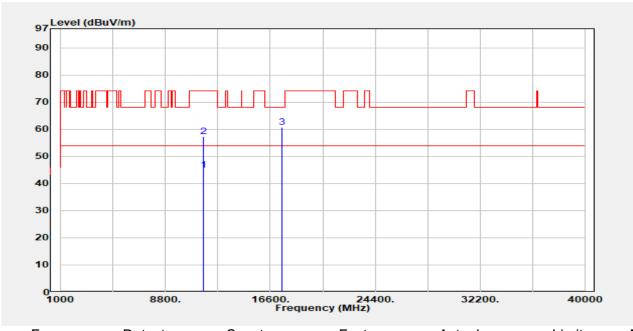
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n20 **Test Date** :2022-07-22

Test Frequency :5825 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Average	23.73	21.33	45.06	54.00	-8.94
Peak	35.94	21.33	57.27	74.00	-16.73
Peak	33.18	27.46	60.64	68.20	-7.56
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 23.73 Peak 35.94	Mode PK/QP/AV Reading Level dBμV dB Average Peak 23.73 21.33 20.73 21.33	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Average Peak 23.73 21.33 45.06 Peak 35.94 21.33 57.27	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Average Peak 23.73 21.33 45.06 54.00 Peak 35.94 21.33 57.27 74.00

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Page: 63 of 132

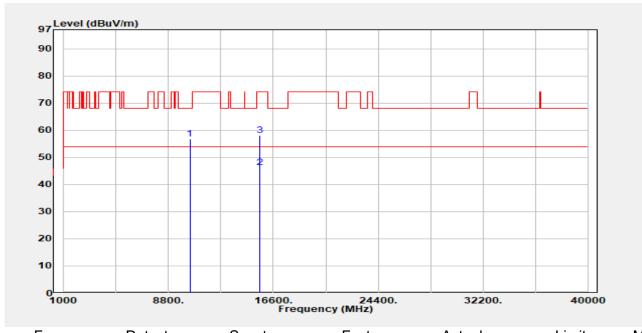
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11n40 Test Date :2022-07-22

Test Frequency :5190 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Peak	36.83	20.03	56.86	68.20	-11.34
Average	24.82	21.55	46.37	54.00	-7.63
Peak	36.57	21.55	58.12	74.00	-15.88
	Mode PK/QP/AV Peak Average	Mode Reading Level PK/QP/AV dBμV Peak 36.83 Average 24.82	Mode PK/QP/AV Reading Level dBμV dB Peak Average 36.83 20.03 Average 24.82 21.55	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Peak Average 36.83 20.03 56.86 Average 24.82 21.55 46.37	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 36.83 20.03 56.86 68.20 Average 24.82 21.55 46.37 54.00

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Page: 64 of 132

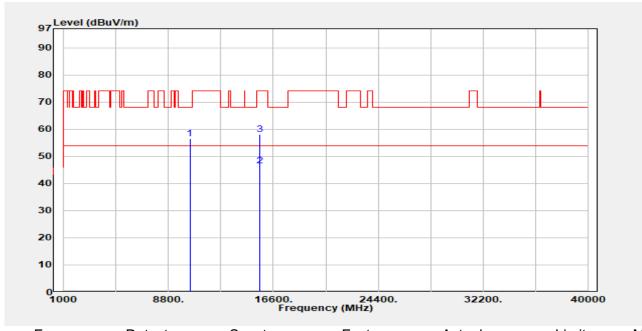
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n40 **Test Date** :2022-07-22

Test Frequency :5190 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Peak	36.59	20.03	56.62	68.20	-11.58
Average	24.92	21.55	46.47	54.00	-7.53
Peak	36.59	21.55	58.14	74.00	-15.86
	Mode PK/QP/AV Peak Average	Mode Reading Level PK/QP/AV dBμV Peak 36.59 Average 24.92	Mode PK/QP/AV Reading Level dBμV dB Peak Average 36.59 20.03 21.55	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Peak 36.59 20.03 Average 24.92 21.55 46.47 20.03 56.62 46.47	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 36.59 20.03 56.62 68.20 Average 24.92 21.55 46.47 54.00

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Page: 65 of 132

Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n40 **Test Date** :2022-07-22

Test Frequency :5230 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10460.00	Peak	35.55	19.40	54.94	68.20	-13.26
15690.00	Average	24.87	21.47	46.34	54.00	-7.66
15690.00	Peak	36.43	21.47	57.90	74.00	-16.10

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Page: 66 of 132

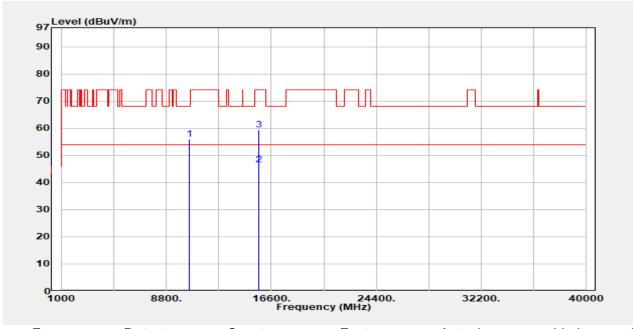
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11n40 Test Date :2022-07-22

Test Frequency :5230 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Peak	36.50	19.40	55.90	68.20	-12.30
Average	24.95	21.47	46.42	54.00	-7.58
Peak	37.92	21.47	59.39	74.00	-14.61
	Mode PK/QP/AV Peak Average	Mode Reading Level dBμV Peak 36.50 Average 24.95	Mode PK/QP/AV Reading Level dB μV dB Peak Average 36.50 19.40 Average 24.95 21.47	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Peak Average 36.50 19.40 55.90 Average 24.95 21.47 46.42	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 36.50 19.40 55.90 68.20 Average 24.95 21.47 46.42 54.00

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Page: 67 of 132

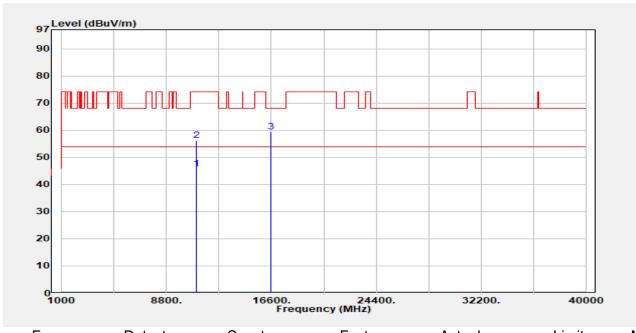
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11n40 Test Date :2022-07-22

Test Frequency :5510 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	24.96	20.85	45.81	54.00	-8.19
Peak	35.46	20.85	56.31	74.00	-17.69
Peak	36.00	23.49	59.48	68.20	-8.72
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 24.96 Peak 35.46	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.96 20.85 Peak 35.46 20.85	Mode PK/QP/AV Reading Level ABμV FS ABμV/M Average Peak 24.96 20.85 45.81 Peak 35.46 20.85 56.31	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.96 20.85 45.81 54.00 Peak 35.46 20.85 56.31 74.00

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Page: 68 of 132

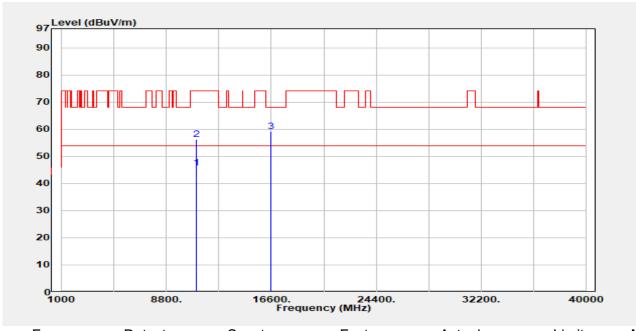
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Operation Mode :802.11n40 Test Date :2022-07-22

Test Frequency :5510 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	25.00	20.85	45.85	54.00	-8.15
Peak	35.46	20.85	56.30	74.00	-17.70
Peak	35.61	23.49	59.09	68.20	-9.11
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 25.00 Peak 35.46	Mode PK/QP/AV Reading Level dB μV dB Average Peak 25.00 20.85 20.85 20.85	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 25.00 20.85 45.85 Peak 35.46 20.85 56.30	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.00 20.85 45.85 54.00 Peak 35.46 20.85 56.30 74.00

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Page: 69 of 132

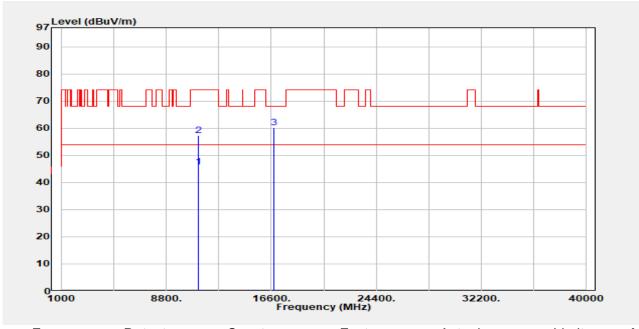
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n40 **Test Date** :2022-07-22

Test Frequency :5590 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
			_		_
Average	25.09	20.75	45.84	54.00	-8.16
Peak	36.65	20.75	57.40	74.00	-16.60
Peak	35.12	25.04	60.16	68.20	-8.04
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 25.09 Peak 36.65	Mode PK/QP/AV Reading Level dBμV dB Average Peak 25.09 20.75 20.75 20.75	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Average Peak 25.09 20.75 45.84 Peak 36.65 20.75 57.40	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Average Peak 25.09 20.75 45.84 54.00 Peak 36.65 20.75 57.40 74.00

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Page: 70 of 132

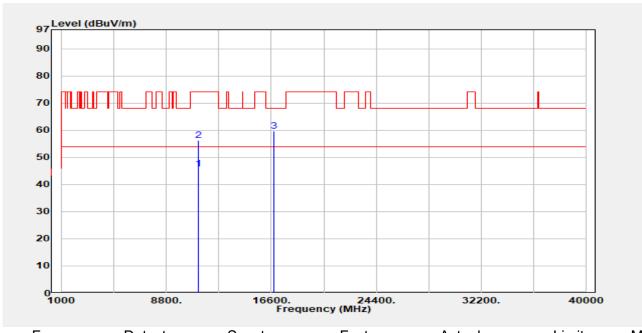
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11n40 Test Date :2022-07-22

Test Frequency :5590 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	25.12	20.75	45.87	54.00	-8.13
Peak	35.62	20.75	56.37	74.00	-17.63
Peak	34.68	25.04	59.71	68.20	-8.49
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 25.12 Peak 35.62	Mode PK/QP/AV Reading Level dB μV dB Average Peak 25.12 20.75 Peak 35.62 20.75	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 25.12 20.75 45.87 Peak 35.62 20.75 56.37	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.12 20.75 45.87 54.00 Peak 35.62 20.75 56.37 74.00

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Page: 71 of 132

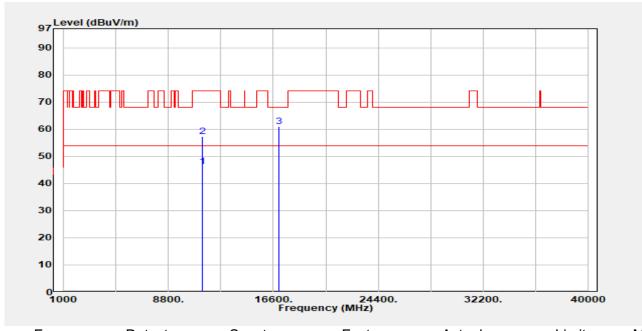
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n40 **Test Date** :2022-07-22

Test Frequency :5670 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
			_		_
Average	24.69	21.53	46.22	54.00	-7.78
Peak	35.67	21.53	57.20	74.00	-16.80
Peak	35.12	25.88	61.00	68.20	-7.20
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 24.69 Peak 35.67	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.69 21.53 Peak 35.67 21.53	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak 24.69 21.53 46.22 Peak 35.67 21.53 57.20	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.69 21.53 46.22 54.00 Peak 35.67 21.53 57.20 74.00

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Page: 72 of 132

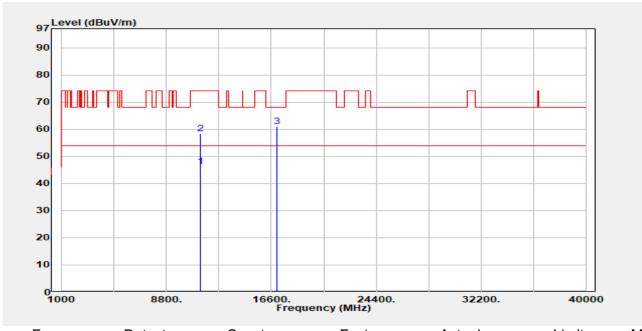
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n40 **Test Date** :2022-07-22

Test Frequency :5670 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11340.00	Average	24.67	21.53	46.20	54.00	-7.80
11340.00	Peak	36.79	21.53	58.32	74.00	-15.68
17010.00	Peak	35.10	25.88	60.98	68.20	-7.22

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Page: 73 of 132

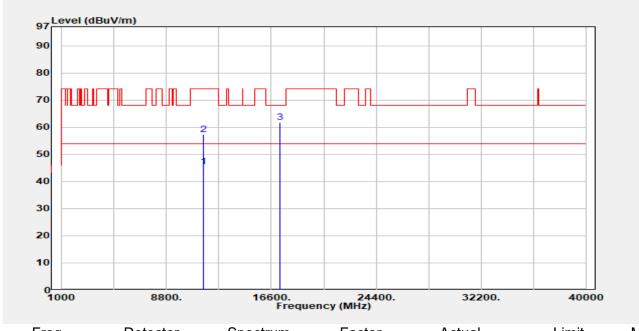
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11n40 **Test Date** :2022-07-22

Test Frequency :5755 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	23.65	21.79	45.44	54.00	-8.56
Peak	35.55	21.79	57.34	74.00	-16.66
Peak	35.11	26.72	61.83	68.20	-6.37
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 23.65 Peak 35.55	Mode PK/QP/AV Reading Level dBμV dB Average Peak 23.65 21.79 Peak 35.55 21.79	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 23.65 21.79 45.44 Peak 35.55 21.79 57.34	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 23.65 21.79 45.44 54.00 Peak 35.55 21.79 57.34 74.00

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Page: 74 of 132

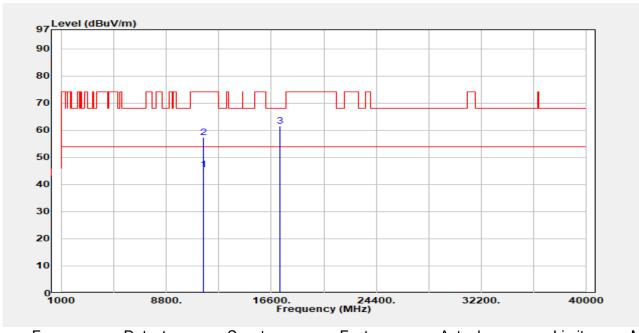
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11n40 Test Date :2022-07-22

Test Frequency :5755 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Average	23.66	21.79	45.45	54.00	-8.55
Peak	35.56	21.79	57.36	74.00	-16.64
Peak	34.79	26.72	61.51	68.20	-6.69
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 23.66 Peak 35.56	Mode PK/QP/AV Reading Level dB μV dB Average Peak 23.66 21.79 Peak 35.56 21.79	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Average Peak 23.66 21.79 45.45 Peak 35.56 21.79 57.36	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Average Peak 23.66 21.79 45.45 54.00 Peak 35.56 21.79 57.36 74.00

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Page: 75 of 132

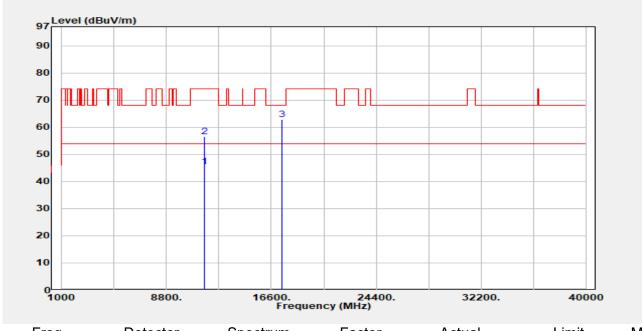
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11n40 Test Date :2022-07-22

Test Frequency :5795 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	24.09	21.35	45.44	54.00	-8.56
Peak	35.23	21.35	56.58	74.00	-17.42
Peak	34.82	27.97	62.79	68.20	-5.41
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 24.09 Peak 35.23	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.09 21.35 Peak 35.23 21.35	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 24.09 21.35 45.44 Peak 35.23 21.35 56.58	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.09 21.35 45.44 54.00 Peak 35.23 21.35 56.58 74.00

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Page: 76 of 132

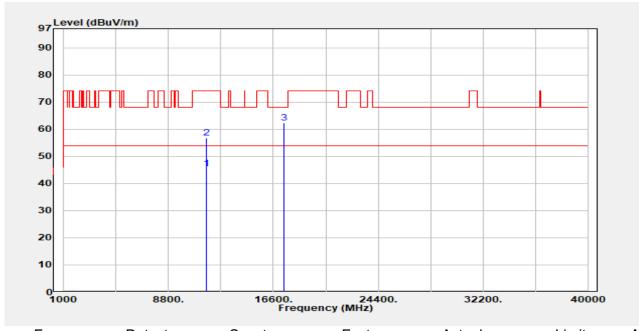
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11n40 Test Date :2022-07-22

Test Frequency :5795 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
			_		
Average	24.13	21.35	45.48	54.00	-8.52
Peak	35.33	21.35	56.68	74.00	-17.32
Peak	34.22	27.97	62.19	68.20	-6.01
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 24.13 Peak 35.33	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.13 21.35 Peak 35.33 21.35	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 24.13 21.35 45.48 Peak 35.33 21.35 56.68	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.13 21.35 45.48 54.00 Peak 35.33 21.35 56.68 74.00

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Page: 77 of 132

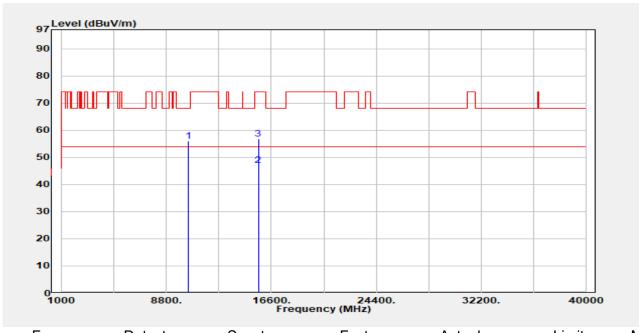
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ac80 **Test Date** :2022-07-22

Test Frequency :5210 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10420.00	Peak	36.64	19.37	56.00	68.20	-12.20
15630.00	Average	25.71	21.36	47.07	54.00	-6.93
15630.00	Peak	35.55	21.36	56.91	74.00	-17.09

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Page: 78 of 132

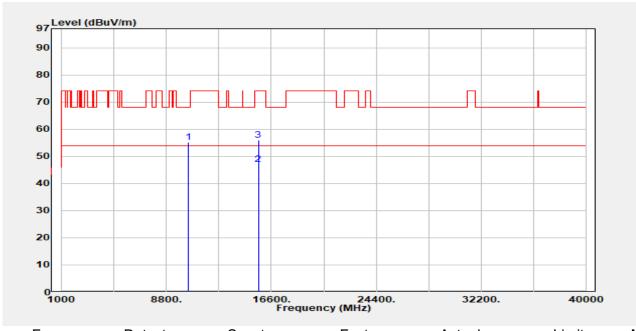
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ac80 **Test Date** :2022-07-22

Test Frequency :5210 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Peak	35.96	19.37	55.32	68.20	-12.88
Average	25.65	21.36	47.01	54.00	-6.99
Peak	34.64	21.36	56.00	74.00	-18.00
	Mode PK/QP/AV Peak Average	Mode Reading Level PK/QP/AV dBμV Peak 35.96 Average 25.65	Mode PK/QP/AV Reading Level dBμV dB Peak Average 35.96 25.65 19.37 21.36	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Peak Average 35.96 19.37 55.32 21.36 47.01	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 35.96 19.37 55.32 68.20 Average 25.65 21.36 47.01 54.00

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Page: 79 of 132

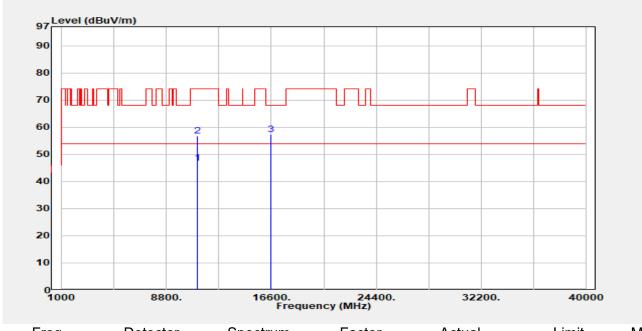
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ac80 Test Date :2022-07-22

Test Frequency :5530 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Average	25.68	21.06	46.74	54.00	-7.26
Peak	35.69	21.06	56.75	74.00	-17.25
Peak	34.12	23.06	57.18	68.20	-11.02
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 25.68 Peak 35.69	Mode PK/QP/AV Reading Level dB μV dB Average Peak 25.68 21.06 Peak 35.69 21.06	Mode PK/QP/AV Reading Level ABμV FS ABμV/M Average Peak 25.68 21.06 46.74 Peak 35.69 21.06 56.75	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.68 21.06 46.74 54.00 Peak 35.69 21.06 56.75 74.00

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Page: 80 of 132

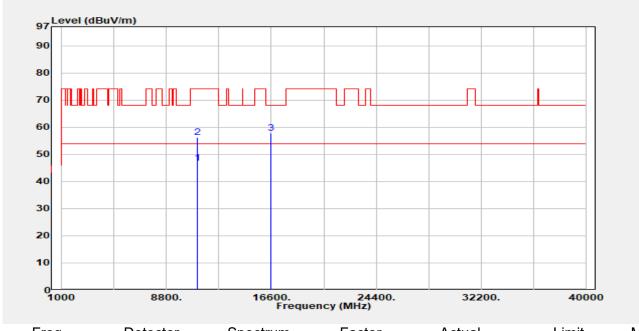
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ac80 Test Date :2022-07-22

Test Frequency :5530 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11060.00	Average	25.74	21.06	46.80	54.00	-7.20
11060.00	Peak	35.26	21.06	56.31	74.00	-17.69
16590.00	Peak	34.75	23.06	57.82	68.20	-10.38

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Page: 81 of 132

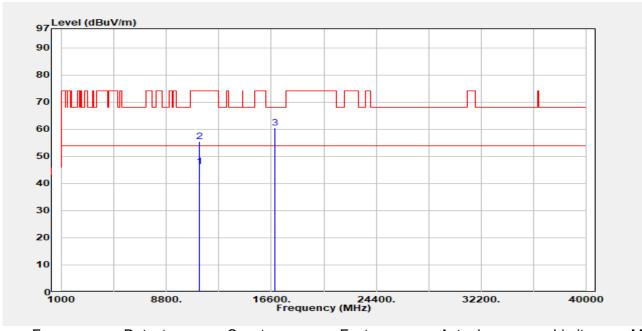
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ac80 **Test Date** :2022-07-22

Test Frequency :5610 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11220.00	Average	25.80	20.60	46.40	54.00	-7.60
11220.00	Peak	34.97	20.60	55.56	74.00	-18.44
16830.00	Peak	35.24	25.25	60.49	68.20	-7.71
	MHz 11220.00 11220.00	Mode PK/QP/AV 11220.00 Average 11220.00 Peak	Mode PK/QP/AV Reading Level dBμV 11220.00 Average 25.80 11220.00 Peak 34.97	Mode PK/QP/AV Reading Level dBμV dB 11220.00 Average Av	Mode PK/QP/AV Reading Level dBμV FS dBμV/m 11220.00 Average Ave	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m 11220.00 Average Average 25.80 20.60 46.40 54.00 11220.00 Peak 34.97 20.60 55.56 74.00

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Page: 82 of 132

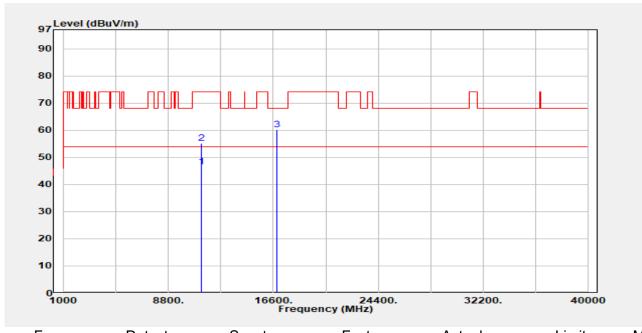
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ac80 **Test Date** :2022-07-22

Test Frequency :5610 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11220.00	Average	25.82	20.60	46.42	54.00	-7.58
11220.00	Peak	34.71	20.60	55.30	74.00	-18.70
16830.00	Peak	34.89	25.25	60.14	68.20	-8.06

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Page: 83 of 132

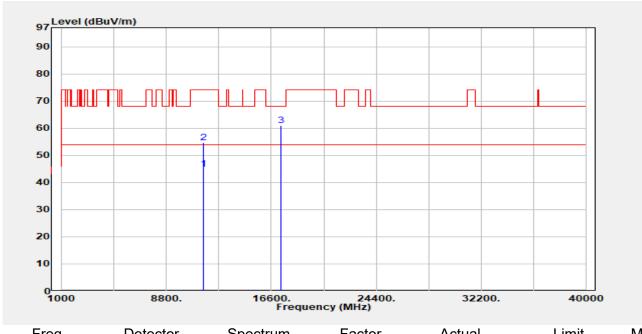
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ac80 Test Date :2022-07-22

Test Frequency :5775 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Average	24.66	20.28	44.94	54.00	-9.06
Peak	34.47	20.28	54.76	74.00	-19.24
Peak	33.96	27.03	61.00	68.20	-7.20
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 24.66 Peak 34.47	Mode PK/QP/AV Reading Level dB μV dB Average Peak 24.66 20.28 Peak 34.47 20.28	Mode PK/QP/AV Reading Level ABμV FS ABμV/M Average Peak 24.66 20.28 44.94 Peak 34.47 20.28 54.76	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.66 20.28 44.94 54.00 Peak 34.47 20.28 54.76 74.00

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Page: 84 of 132

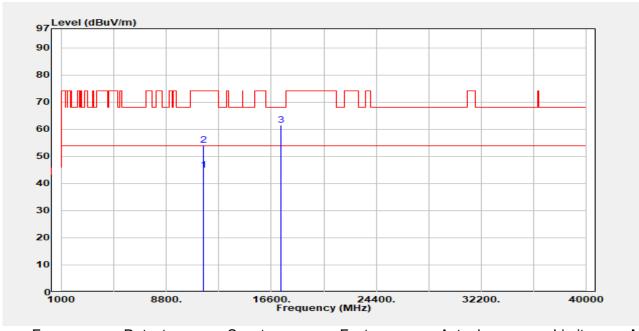
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ac80 **Test Date** :2022-07-22

Test Frequency :5775 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	24.59	20.28	44.87	54.00	-9.13
Peak	33.99	20.28	54.27	74.00	-19.73
Peak	34.56	27.03	61.60	68.20	-6.60
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 24.59 Peak 33.99	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.59 20.28 Peak 33.99 20.28	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak 24.59 20.28 44.87 Peak 33.99 20.28 54.27	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.59 20.28 44.87 54.00 Peak 33.99 20.28 54.27 74.00

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Page: 85 of 132

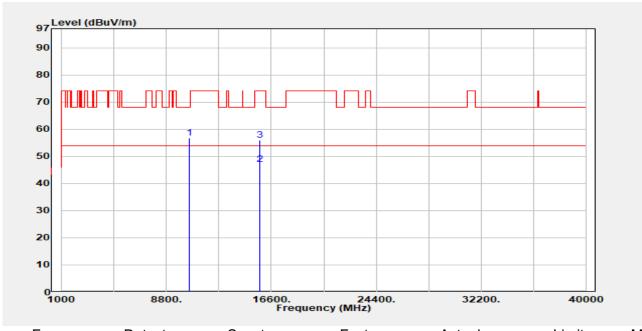
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ac160 **Test Date** :2022-07-22

Test Frequency :5250 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Peak	34.68	22.12	56.80	68.20	-11.40
Average	25.79	21.35	47.14	54.00	-6.86
Peak	34.57	21.35	55.92	74.00	-18.08
	Mode PK/QP/AV Peak Average	Mode Reading Level PK/QP/AV dBμV Peak 34.68 Average 25.79	Mode PK/QP/AV Reading Level dBμV dB Peak Average 34.68 22.12 Average 25.79 21.35	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Peak Average 34.68 22.12 56.80 47.14	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak Average 34.68 22.12 56.80 68.20 Average 25.79 21.35 47.14 54.00

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Page: 86 of 132

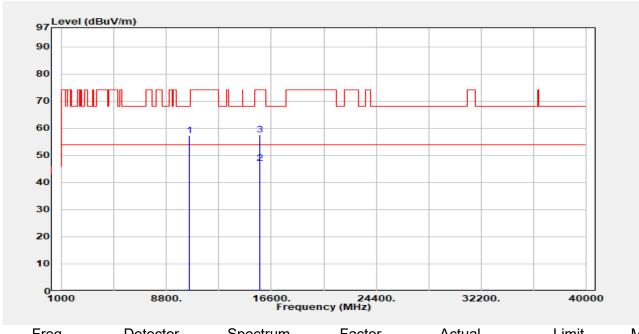
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ac160 Test Date :2022-07-22

Test Frequency :5250 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10500.00	Peak	35.10	22.12	57.22	68.20	-10.98
15750.00	Average	25.84	21.35	47.19	54.00	-6.81
15750.00	Peak	36.34	21.35	57.69	74.00	-16.31

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Page: 87 of 132

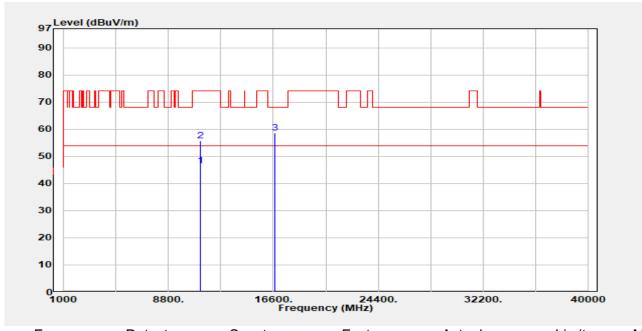
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ac160 **Test Date** :2022-07-22

Test Frequency :5570 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack Liu



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Average	25.81	20.69	46.50	54.00	-7.50
Peak	34.98	20.69	55.67	74.00	-18.33
Peak	34.21	24.34	58.55	68.20	-9.65
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 25.81 Peak 34.98	Mode PK/QP/AV Reading Level dBμV dB Average Peak 25.81 20.69 20.69 20.69	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Average Peak 25.81 20.69 46.50 Peak 34.98 20.69 55.67	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Average Peak 25.81 20.69 46.50 54.00 Peak 34.98 20.69 55.67 74.00

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Page: 88 of 132

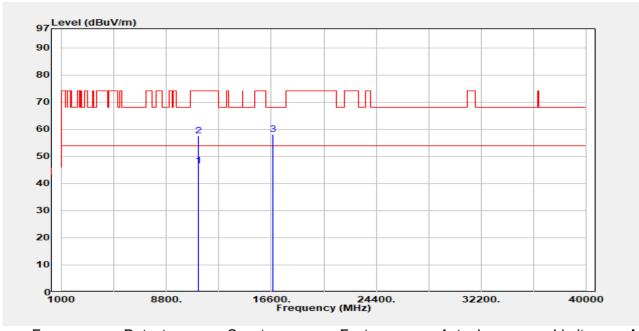
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ac160 Test Date :2022-07-22

Test Frequency :5570 MHz Temp./Humi. :24.0/62

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack Liu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11140.00	Average	25.78	20.69	46.47	54.00	-7.53
11140.00	Peak	36.82	20.69	57.52	74.00	-16.48
16710.00	Peak	33.63	24.34	57.97	68.20	-10.23

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Page: 89 of 132

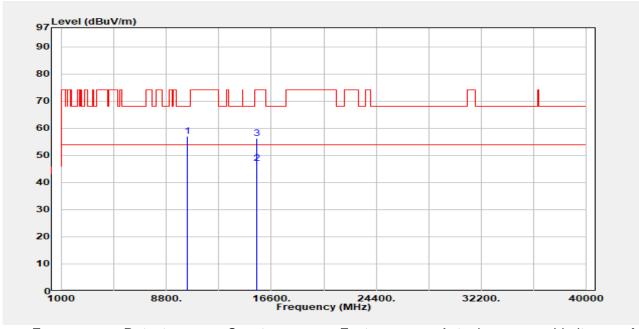
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax20 **Test Date** :2022-07-25

Test Frequency :5180 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
10360.00	Peak	36.15	20.87	57.02	68.20	-11.18
15540.00	Average	25.54	21.54	47.08	54.00	-6.92
15540.00	Peak	34.68	21.54	56.22	74.00	-17.78

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Page: 90 of 132

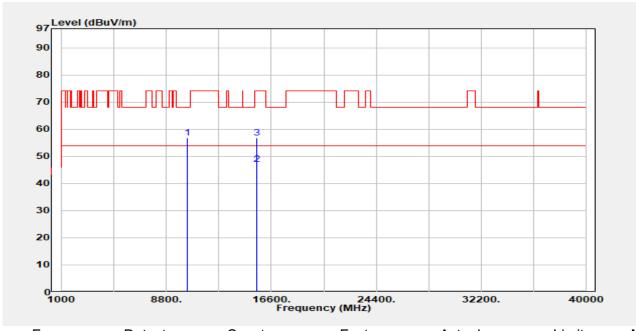
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax20 **Test Date** :2022-07-25

Test Frequency :5180 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Peak	35.83	20.87	56.70	68.20	-11.50
Average	25.59	21.54	47.13	54.00	-6.87
Peak	35.12	21.54	56.66	74.00	-17.34
	Mode PK/QP/AV Peak Average	Mode Reading Level PK/QP/AV dBμV Peak 35.83 Average 25.59	Mode PK/QP/AV Reading Level dB V dB Peak Average 35.83 20.87 Average 25.59 21.54	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Peak Average 35.83 20.87 56.70 Average 25.59 21.54 47.13	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak Average 35.83 20.87 56.70 68.20 Average 25.59 21.54 47.13 54.00

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Page: 91 of 132

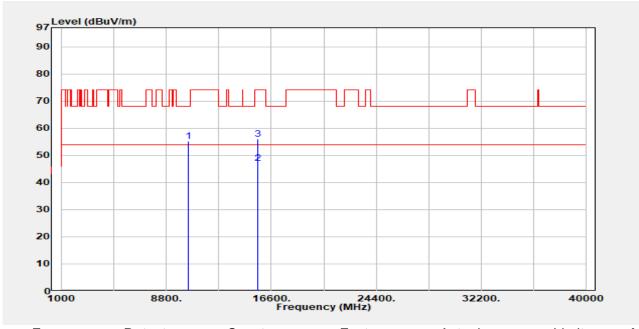
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax20 Test Date :2022-07-25

Test Frequency :5200 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Peak	36.31	18.87	55.18	68.20	-13.02
Average	25.70	21.34	47.04	54.00	-6.96
Peak	34.68	21.34	56.02	74.00	-17.98
	Mode PK/QP/AV Peak Average	Mode Reading Level PK/QP/AV dBμV Peak 36.31 Average 25.70	Mode PK/QP/AV Reading Level dBμV dB Peak Average 36.31 25.70 18.87 21.34	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Peak Average 36.31 18.87 55.18 Average 25.70 21.34 47.04	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 36.31 18.87 55.18 68.20 Average 25.70 21.34 47.04 54.00

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Page: 92 of 132

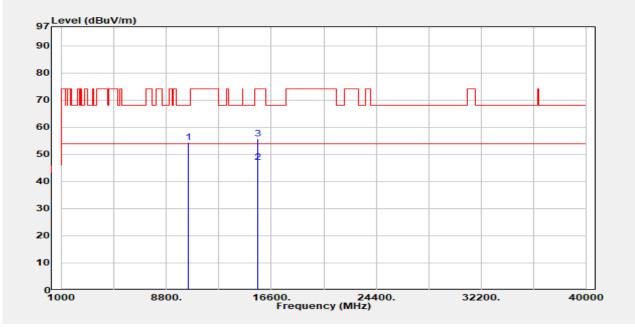
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Operation Mode :802.11ax20 **Test Date** :2022-07-25

Test Frequency :5200 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10400.00	Peak	35.50	18.87	54.36	68.20	-13.84
15600.00	Average	25.66	21.34	47.00	54.00	-7.00
15600.00	Peak	34.30	21.34	55.64	74.00	-18.36

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Page: 93 of 132

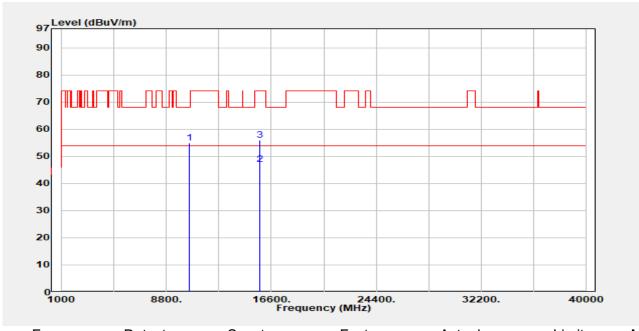
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax20 **Test Date** :2022-07-25

Test Frequency :5240 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
						_
10480.00	Peak	35.08	19.83	54.91	68.20	-13.29
15720.00	Average	25.75	21.23	46.98	54.00	-7.02
15720.00	Peak	34.83	21.23	56.05	74.00	-17.95

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Page: 94 of 132

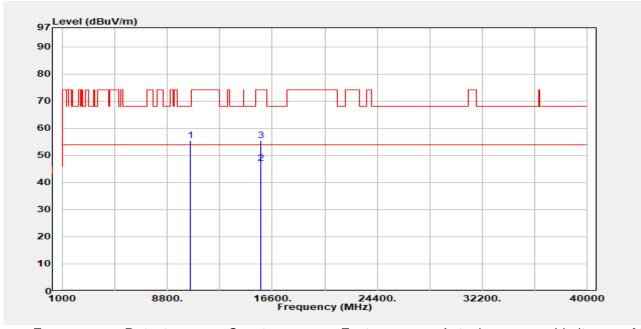
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax20 Test Date :2022-07-25

Test Frequency :5240 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Peak	35.61	19.83	55.44	68.20	-12.76
Average	25.78	21.23	47.01	54.00	-6.99
Peak	34.23	21.23	55.46	74.00	-18.54
	Mode PK/QP/AV Peak Average	Mode Reading Level dBμV Peak 35.61 Average 25.78	Mode PK/QP/AV Reading Level dBμV dB Peak Average 35.61 19.83 Average 25.78 21.23	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Peak Average 35.61 19.83 55.44 Average 25.78 21.23 47.01	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Peak 35.61 19.83 55.44 68.20 Average 25.78 21.23 47.01 54.00

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Page: 95 of 132

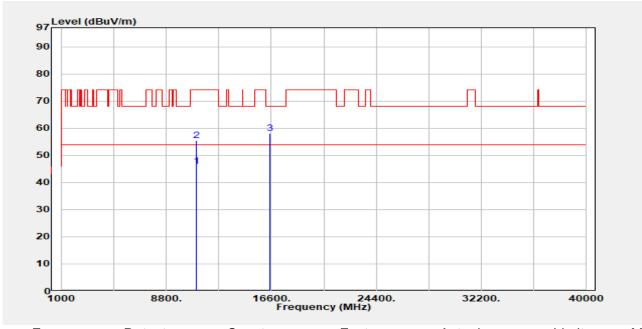
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11ax20 106/53 **Test Date** :2022-07-25

Test Frequency :5500 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



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Page: 96 of 132

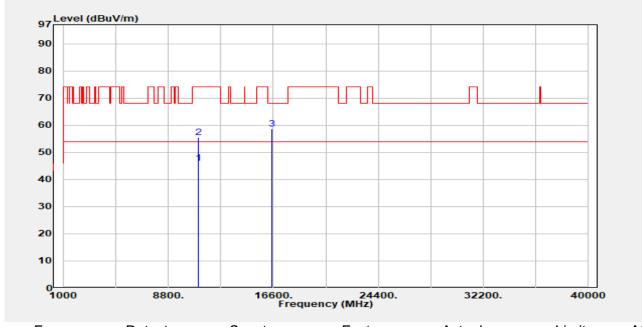
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax20 106/53 Test Date :2022-07-25

Test Frequency :5500 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	25.26	20.62	45.88	54.00	-8.12
Peak	34.89	20.62	55.52	74.00	-18.48
Peak	34.97	23.54	58.52	68.20	-9.68
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 25.26 Peak 34.89	Mode PK/QP/AV Reading Level dB μV dB Average Peak 25.26 20.62 Peak 34.89 20.62	Mode PK/QP/AV Reading Level ABμV FS ABμV/M Average Peak 25.26 20.62 45.88 Peak 34.89 20.62 55.52	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.26 20.62 45.88 54.00 Peak 34.89 20.62 55.52 74.00

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Page: 97 of 132

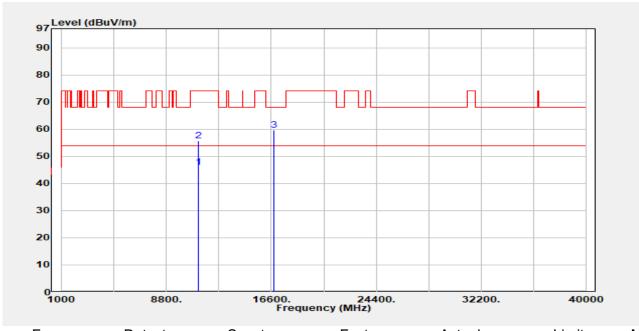
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax20 Test Date :2022-07-25

Test Frequency :5600 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
Average	25.42	20.63	46.05	54.00	-7.95
Peak	35.10	20.63	55.73	74.00	-18.27
Peak	34.43	25.36	59.80	68.20	-8.40
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBµV Average 25.42 Peak 35.10	Mode PK/QP/AV Reading Level ABμV dB Average Peak 25.42 20.63 Peak 35.10 20.63	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Average Peak 25.42 20.63 46.05 Peak 35.10 20.63 55.73	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.42 20.63 46.05 54.00 Peak 35.10 20.63 55.73 74.00

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Page: 98 of 132

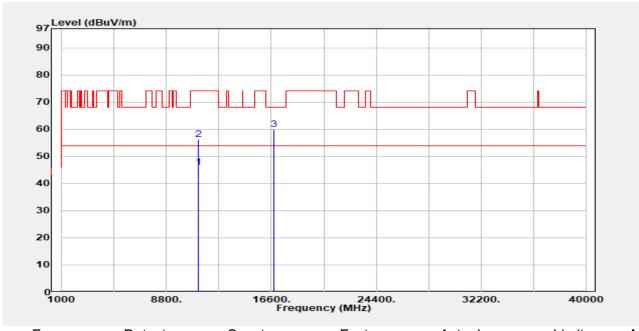
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax20 **Test Date** :2022-07-25

Test Frequency :5600 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	25.37	20.63	46.00	54.00	-8.00
Peak	35.71	20.63	56.34	74.00	-17.66
Peak	34.62	25.36	59.98	68.20	-8.22
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 25.37 Peak 35.71	Mode PK/QP/AV Reading Level dBμV dB Average Peak 25.37 20.63 20.63 20.63	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak 25.37 20.63 46.00 Peak 35.71 20.63 56.34	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.37 20.63 46.00 54.00 Peak 35.71 20.63 56.34 74.00

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Page: 99 of 132

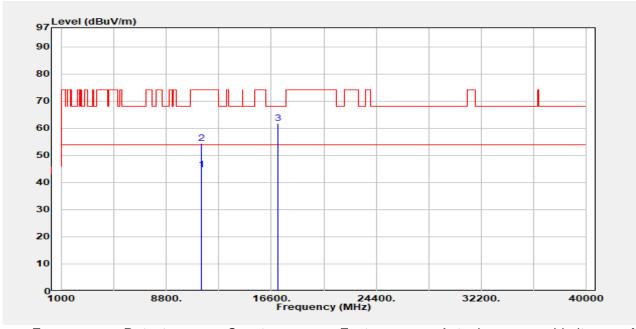
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax20 Test Date :2022-07-25

Test Frequency :5700 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	24.68	20.11	44.79	54.00	-9.21
Peak	34.25	20.11	54.37	74.00	-19.63
Peak	35.51	26.35	61.86	68.20	-6.34
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 24.68 Peak 34.25	Mode PK/QP/AV Reading Level dB PK/QP/AV dBμV Average Peak 24.68 20.11 Peak 34.25 20.11	Mode PK/QP/AV Reading Level ABμV FS ABμV/M Average Peak 24.68 20.11 44.79 Peak 34.25 20.11 54.37	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.68 20.11 44.79 54.00 Peak 34.25 20.11 54.37 74.00

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Page: 100 of 132

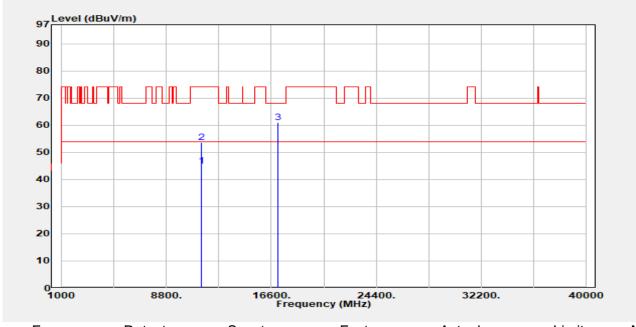
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax20 **Test Date** :2022-07-25

Test Frequency :5700 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	24.71	20.11	44.82	54.00	-9.18
Peak	33.55	20.11	53.66	74.00	-20.34
Peak	34.72	26.35	61.07	68.20	-7.13
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 24.71 Peak 33.55	Mode PK/QP/AV Reading Level dB μV dB Average Peak 24.71 20.11 Peak 33.55 20.11	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Average Peak 24.71 20.11 44.82 Peak 33.55 20.11 53.66	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.71 20.11 44.82 54.00 Peak 33.55 20.11 53.66 74.00

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Page: 101 of 132

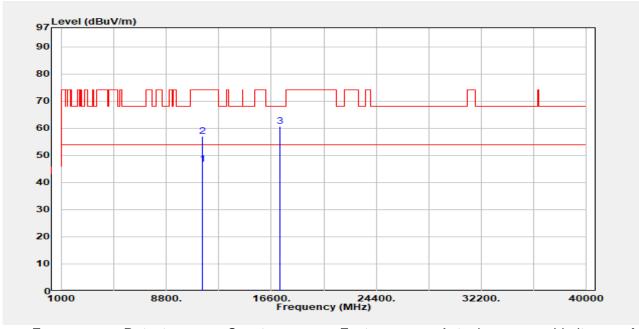
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11ax20 106/53 **Test Date** :2022-07-25

Test Frequency :5745 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



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Page: 102 of 132

Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax20 106/53 Test Date :2022-07-25

Test Frequency :5745 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	24.32	22.53	46.85	54.00	-7.15
Peak	33.30	22.53	55.83	74.00	-18.17
Peak	34.65	26.43	61.08	68.20	-7.12
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 24.32 Peak 33.30	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.32 22.53 22.53 22.53	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak 24.32 22.53 46.85 Peak 33.30 22.53 55.83	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.32 22.53 46.85 54.00 Peak 33.30 22.53 55.83 74.00

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Page: 103 of 132

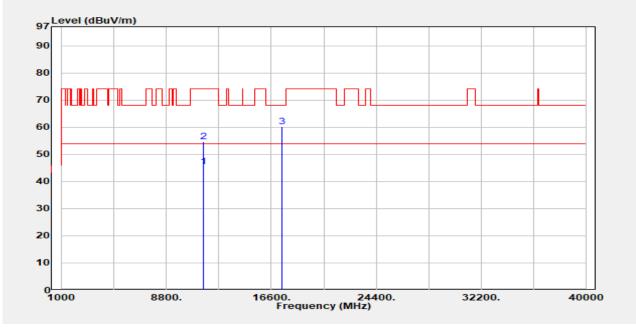
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax20 **Test Date** :2022-07-25

Test Frequency :5785 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11570.00	Average	24.55	20.87	45.42	54.00	-8.58
11570.00	Peak	33.88	20.87	54.75	74.00	-19.25
17355.00	Peak	33.65	26.59	60.24	68.20	-7.96

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Page: 104 of 132

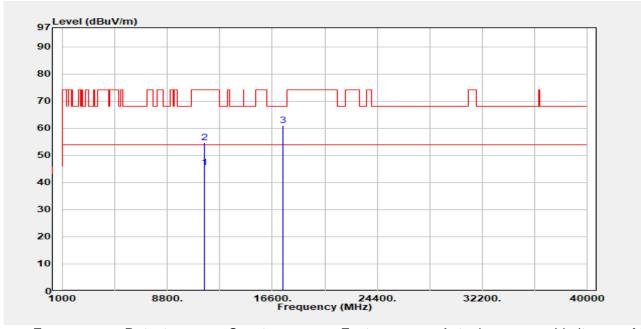
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax20 Test Date :2022-07-25

Test Frequency :5785 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	24.52	20.87	45.39	54.00	-8.61
Peak	33.86	20.87	54.74	74.00	-19.26
Peak	34.52	26.59	61.10	68.20	-7.10
	Mode PK/QP/AV Average Peak	Mode PK/QP/AV Reading Level dBμV Average 24.52 Peak 33.86	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.52 20.87 Peak 33.86 20.87	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Average Peak 24.52 20.87 45.39 Peak 33.86 20.87 54.74	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.52 20.87 45.39 54.00 Peak 33.86 20.87 54.74 74.00

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Page: 105 of 132

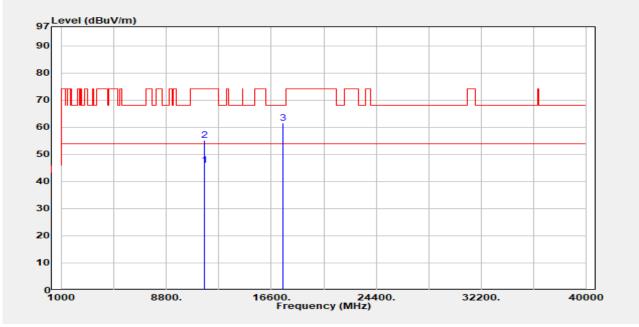
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax20 **Test Date** :2022-07-25

Test Frequency :5825 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11650.00	Average	24.55	21.33	45.88	54.00	-8.12
11650.00	Peak	33.78	21.33	55.11	74.00	-18.89
17475.00	Peak	33.93	27.46	61.39	68.20	-6.81

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Page: 106 of 132

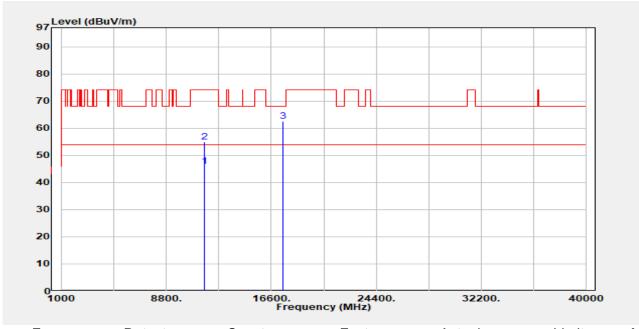
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax20 **Test Date** :2022-07-25

Test Frequency :5825 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11650.00	Average	24.59	21.33	45.92	54.00	-8.08
11650.00	Peak	33.65	21.33	54.97	74.00	-19.03
17475.00	Peak	35.10	27.46	62.57	68.20	-5.63

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Page: 107 of 132

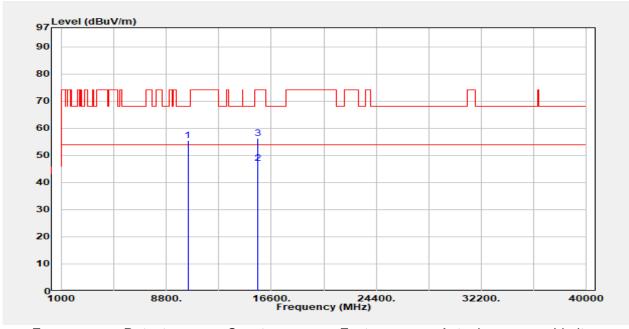
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax40 242/61 Test Date :2022-07-25

Test Frequency :5190 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
			_		
Peak	35.56	20.03	55.59	68.20	-12.61
Average	25.52	21.55	47.07	54.00	-6.93
Peak	34.65	21.55	56.20	74.00	-17.80
	Mode PK/QP/AV Peak Average	Mode Reading Level dBμV Peak 35.56 Average 25.52	Mode PK/QP/AV Reading Level dBμV dB Peak Average 35.56 20.03 Average 25.52 21.55	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Peak 35.56 20.03 55.59 Average 25.52 21.55 47.07	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Peak Average 35.56 20.03 55.59 68.20 Average 25.52 21.55 47.07 54.00

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Page: 108 of 132

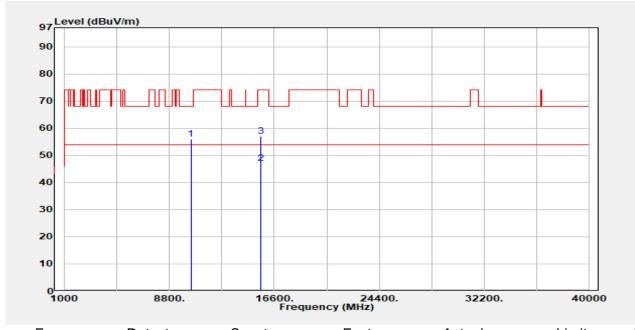
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax40 242/61 Test Date :2022-07-25

Test Frequency :5190 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
10380.00	Peak	36.08	20.03	56.11	68.20	-12.09
15570.00	Average	25.60	21.55	47.15	54.00	-6.85
15570.00	Peak	35.51	21.55	57.06	74.00	-16.94

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Page: 109 of 132

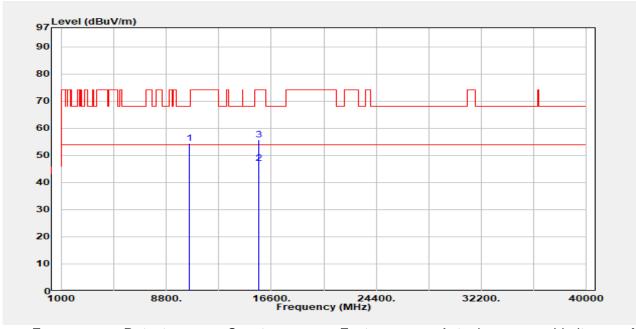
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax40 **Test Date** :2022-07-25

Test Frequency :5230 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10460.00	Peak	35.06	19.40	54.46	68.20	-13.74
15690.00	Average	25.66	21.47	47.13	54.00	-6.87
15690.00	Peak	34.27	21.47	55.75	74.00	-18.25

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Page: 110 of 132

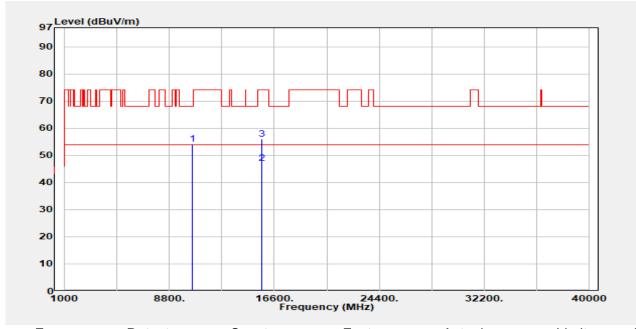
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax40 Test Date :2022-07-25

Test Frequency :5230 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Peak	34.64	19.40	54.03	68.20	-14.17
Average	25.61	21.47	47.08	54.00	-6.92
Peak	34.57	21.47	56.05	74.00	-17.95
	Mode PK/QP/AV Peak Average	Mode Reading Level dBμV Peak 34.64 Average 25.61	Mode PK/QP/AV Reading Level dBμV dB Peak Average 34.64 19.40 Average 25.61 21.47	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Peak Average 34.64 19.40 54.03 47.08	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 34.64 Average 35.61 21.47 47.08 54.00

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Page: 111 of 132

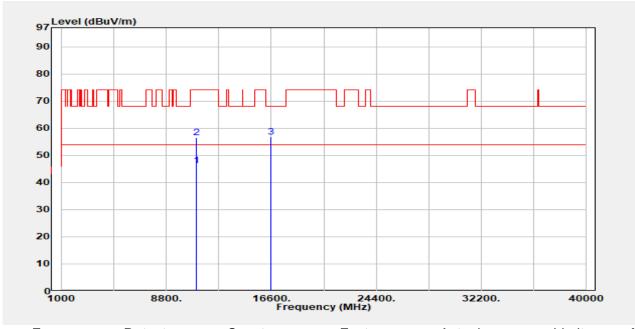
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax40 Test Date :2022-07-25

Test Frequency :5510 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Average	25.34	20.85	46.19	54.00	-7.81
Peak	35.61	20.85	56.46	74.00	-17.54
Peak	33.40	23.49	56.89	68.20	-11.31
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 25.34 Peak 35.61	Mode PK/QP/AV Reading Level dB μV dB Average Peak 25.34 20.85 Peak 35.61 20.85	Mode PK/QP/AV Reading Level ABμV FS ABμV/M Average Peak 25.34 20.85 46.19 Peak 35.61 20.85 56.46	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.34 20.85 46.19 54.00 Peak 35.61 20.85 56.46 74.00

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Page: 112 of 132

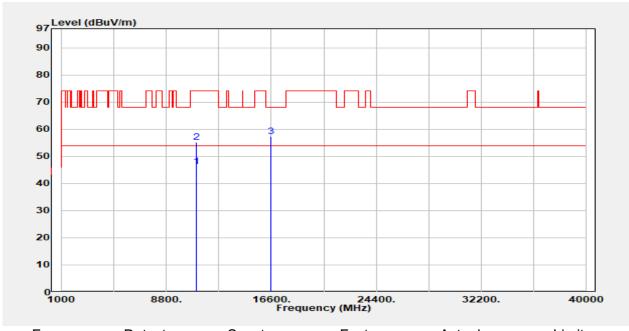
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax40 **Test Date** :2022-07-25

Test Frequency :5510 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
Average	25.40	20.85	46.25	54.00	-7.75
Peak	34.38	20.85	55.22	74.00	-18.78
Peak	33.87	23.49	57.36	68.20	-10.84
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 25.40 Peak 34.38	Mode PK/QP/AV Reading Level dBμV dB Average Peak 25.40 20.85 Peak 34.38 20.85	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 25.40 20.85 46.25 Peak 34.38 20.85 55.22	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.40 20.85 46.25 54.00 Peak 34.38 20.85 55.22 74.00

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Page: 113 of 132

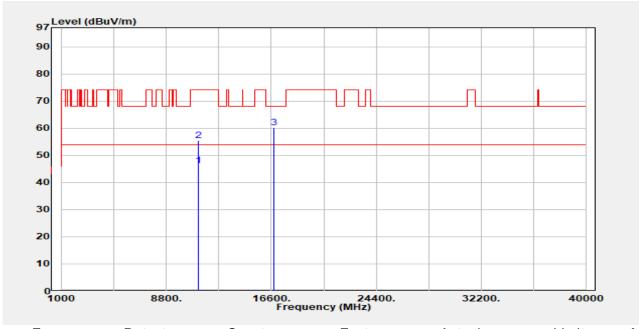
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax40 Test Date :2022-07-25

Test Frequency :5590 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
Average	25.47	20.75	46.22	54.00	-7.78
Peak	34.84	20.75	55.59	74.00	-18.41
Peak	35.22	25.04	60.26	68.20	-7.94
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 25.47 Peak 34.84	Mode PK/QP/AV Reading Level dB μV dB Average Peak 25.47 20.75 Peak 34.84 20.75	Mode PK/QP/AV Reading Level ABμV FS ABμV/M Average Peak 25.47 20.75 46.22 Peak 34.84 20.75 55.59	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.47 20.75 46.22 54.00 Peak 34.84 20.75 55.59 74.00

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Page: 114 of 132

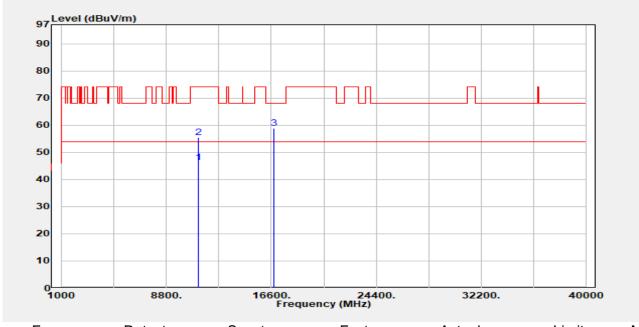
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax40 **Test Date** :2022-07-25

Test Frequency :5590 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11180.00	Average	25.42	20.75	46.17	54.00	-7.83
11180.00	Peak	34.74	20.75	55.49	74.00	-18.51
16770.00	Peak	33.88	25.04	58.92	68.20	-9.28

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Page: 115 of 132

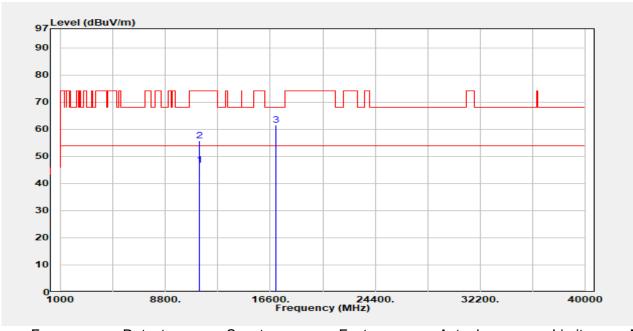
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax40 Test Date :2022-07-25

Test Frequency :5670 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11340.00	Average	25.34	21.53	46.87	54.00	-7.13
11340.00	Peak	34.11	21.53	55.64	74.00	-18.36
17010.00	Peak	35.71	25.88	61.59	68.20	-6.61

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Page: 116 of 132

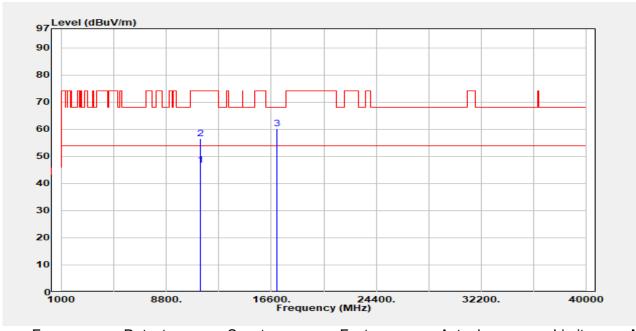
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax40 Test Date :2022-07-25

Test Frequency :5670 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	25.38	21.53	46.91	54.00	-7.09
Peak	35.01	21.53	56.55	74.00	-17.45
Peak	34.37	25.88	60.25	68.20	-7.95
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBµV Average 25.38 Peak 35.01	Mode PK/QP/AV Reading Level dBμV dB Average Peak 25.38 21.53 Peak 35.01 21.53	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Average Peak 25.38 21.53 46.91 Peak 35.01 21.53 56.55	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Average Peak 25.38 21.53 46.91 54.00 Peak 35.01 21.53 56.55 74.00

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Page: 117 of 132

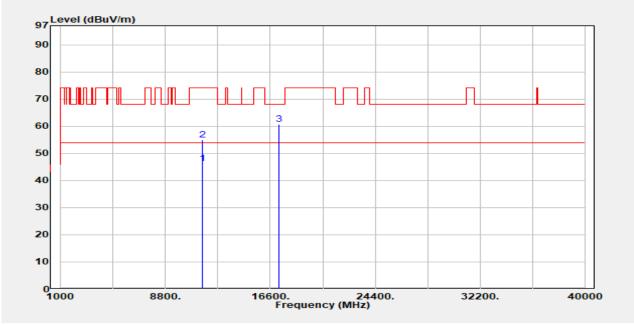
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11ax40 242/61 **Test Date** :2022-07-25

Test Frequency :5755 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11510.00	Average	24.51	21.79	46.30	54.00	-7.70
11510.00	Peak	33.19	21.79	54.98	74.00	-19.02
17265.00	Peak	34.04	26.72	60.76	68.20	-7.44

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Page: 118 of 132

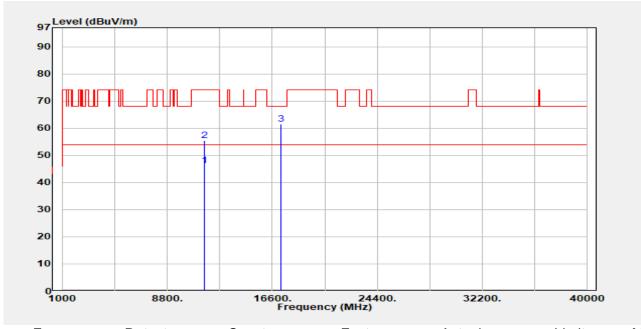
Report Number Test Site :SAC 1 :TERF2207001062ER

Operation Mode :802.11ax40 242/61 **Test Date** :2022-07-25

Test Frequency :5755 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	24.44	21.79	46.23	54.00	-7.77
Peak	33.75	21.79	55.54	74.00	-18.46
Peak	34.80	26.72	61.52	68.20	-6.68
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 24.44 Peak 33.75	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.44 21.79 Peak 33.75 21.79	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 24.44 21.79 46.23 Peak 33.75 21.79 55.54	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Average Peak 24.44 21.79 46.23 54.00 Peak 33.75 21.79 55.54 74.00

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Page: 119 of 132

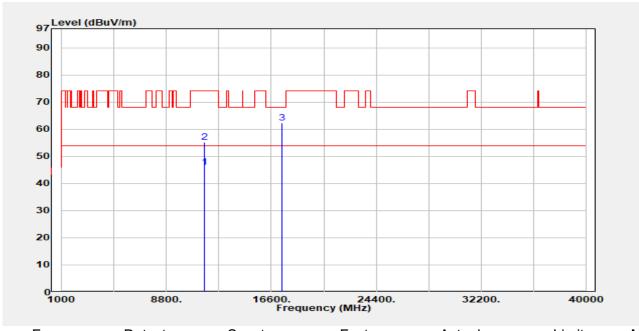
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax40 **Test Date** :2022-07-25

Test Frequency :5795 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11590.00	Average	24.57	21.35	45.92	54.00	-8.08
11590.00	Peak	33.86	21.35	55.21	74.00	-18.79
17385.00	Peak	34.40	27.97	62.37	68.20	-5.83

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Page: 120 of 132

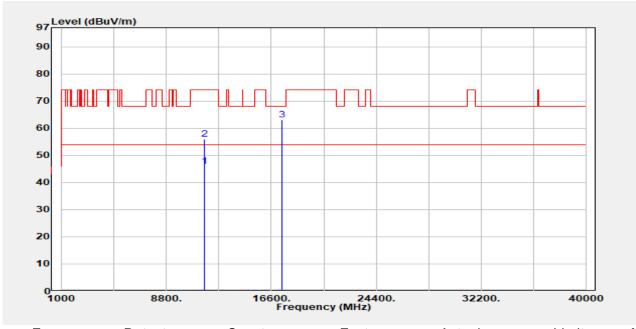
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax40 **Test Date** :2022-07-25

Test Frequency :5795 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	24.61	21.35	45.96	54.00	-8.04
Peak	34.53	21.35	55.87	74.00	-18.13
Peak	35.02	27.97	62.99	68.20	-5.21
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 24.61 Peak 34.53	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.61 21.35 Peak 34.53 21.35	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 24.61 21.35 45.96 Peak 34.53 21.35 55.87	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.61 21.35 45.96 54.00 Peak 34.53 21.35 55.87 74.00

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Page: 121 of 132

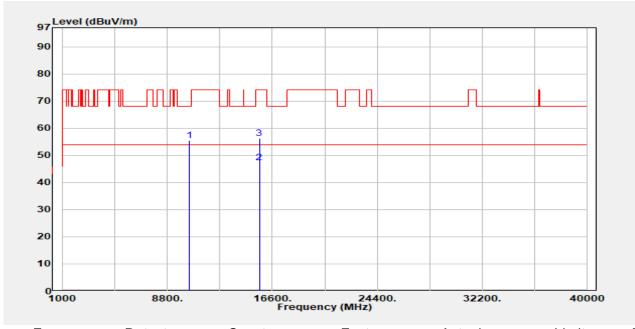
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax80 484/65 Test Date :2022-07-25

Test Frequency :5210 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



dB
12.86
6.78
17.75
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Page: 122 of 132

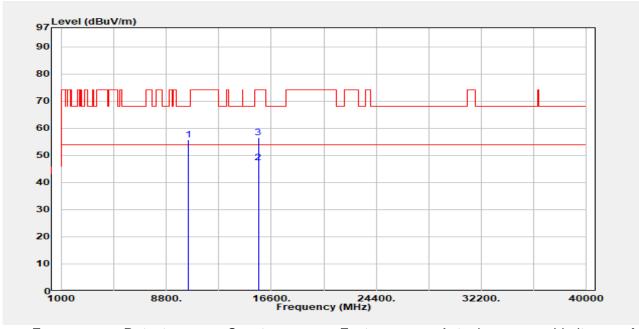
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax80 484/65 Test Date :2022-07-25

Test Frequency :5210 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
Peak	36.31	19.37	55.68	68.20	-12.52
Average	25.89	21.36	47.25	54.00	-6.75
Peak	35.12	21.36	56.48	74.00	-17.52
	Mode PK/QP/AV Peak Average	Mode Reading Level dBμV Peak 36.31 Average 25.89	Mode PK/QP/AV Reading Level dB PK/QP/AV dBμV dBμV dB Peak 36.31 19.37 Average 25.89 21.36	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Peak Average 36.31 19.37 55.68 Average 25.89 21.36 47.25	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 36.31 19.37 55.68 68.20 Average 25.89 21.36 47.25 54.00

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Page: 123 of 132

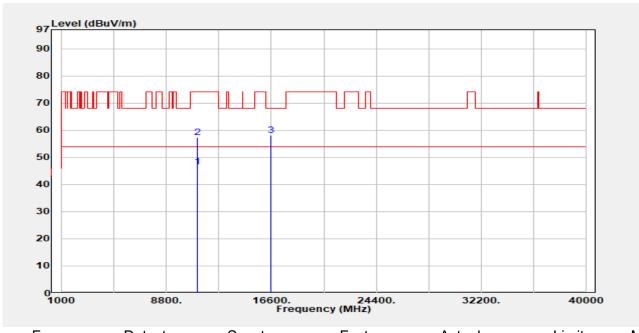
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax80 Test Date :2022-07-25

Test Frequency :5530 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11060.0	0 Average	25.53	21.06	46.59	54.00	-7.41
11060.0	0 Peak	36.17	21.06	57.23	74.00	-16.77
16590.0	0 Peak	35.16	23.06	58.22	68.20	-9.98

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Page: 124 of 132

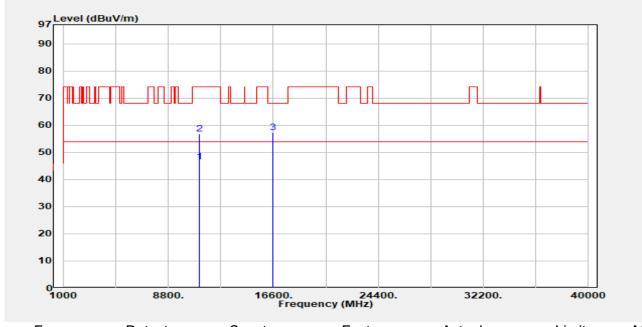
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax80 **Test Date** :2022-07-25

Test Frequency :5530 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Average	25.58	21.06	46.64	54.00	-7.36
Peak	35.70	21.06	56.76	74.00	-17.24
Peak	34.24	23.06	57.31	68.20	-10.89
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 25.58 Peak 35.70	Mode PK/QP/AV Reading Level ABμV dB Average Peak 25.58 21.06 25.58 21.06	Mode PK/QP/AV Reading Level ABμV FS ABμV Average Peak 25.58 21.06 46.64 Peak 35.70 21.06 56.76	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.58 21.06 46.64 54.00 Peak 35.70 21.06 56.76 74.00

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Page: 125 of 132

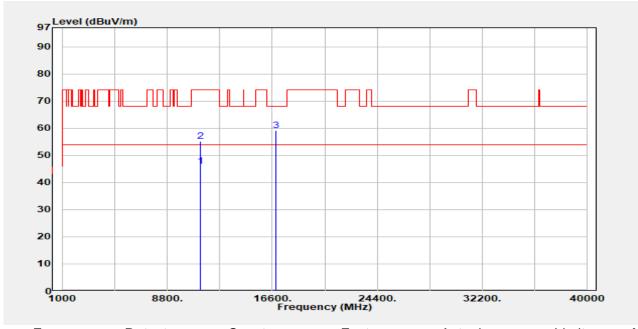
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax80 Test Date :2022-07-25

Test Frequency :5610 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	25.45	20.60	46.05	54.00	-7.95
Peak	34.68	20.60	55.28	74.00	-18.72
Peak	33.87	25.25	59.12	68.20	-9.08
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 25.45 Peak 34.68	Mode PK/QP/AV Reading Level dBμV dB Average Peak 25.45 20.60 Peak 34.68 20.60	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 25.45 20.60 46.05 Peak 34.68 20.60 55.28	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.45 20.60 46.05 54.00 Peak 34.68 20.60 55.28 74.00

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Page: 126 of 132

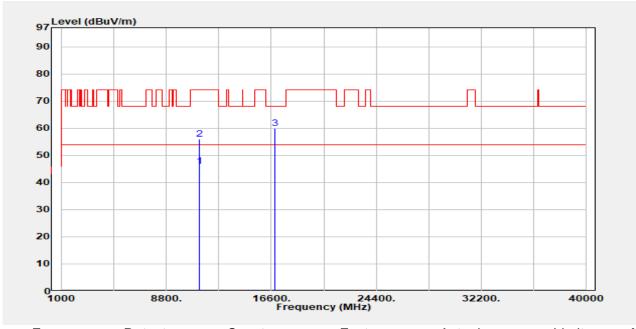
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax80 **Test Date** :2022-07-25

Test Frequency :5610 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Margin
dB
-7.98
-17.98
-8.34

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Page: 127 of 132

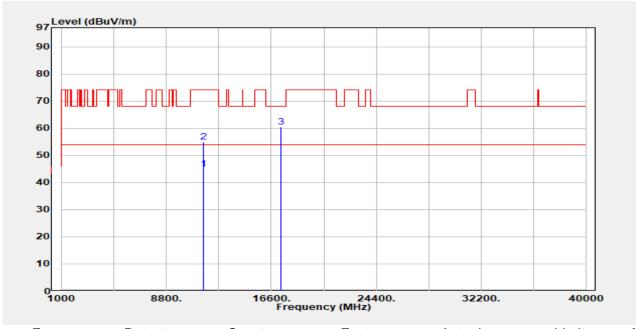
Report Number :TERF2207001062ER **Test Site** :SAC 1

Operation Mode :802.11ax80 **Test Date** :2022-07-25

Test Frequency :5775 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	24.67	20.28	44.95	54.00	-9.05
Peak	34.60	20.28	54.88	74.00	-19.12
Peak	33.49	27.03	60.53	68.20	-7.67
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 24.67 Peak 34.60	Mode PK/QP/AV Reading Level dBμV dB Average Peak 24.67 20.28 Peak 34.60 20.28	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak 24.67 20.28 44.95 Peak 34.60 20.28 54.88	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 24.67 20.28 44.95 54.00 Peak 34.60 20.28 54.88 74.00

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Page: 128 of 132

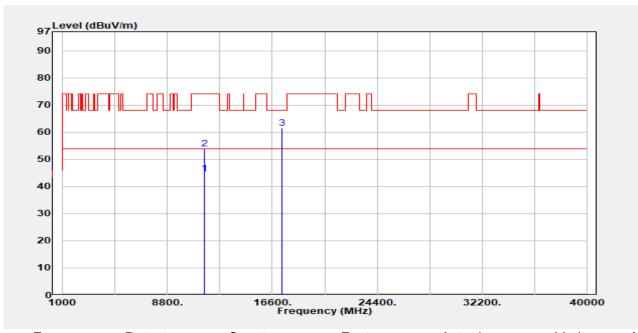
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax80 **Test Date** :2022-07-25

Test Frequency :5775 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Average	24.52	20.28	44.80	54.00	-9.20
Peak	33.50	20.28	53.78	74.00	-20.22
Peak	34.43	27.03	61.46	68.20	-6.74
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 24.52 Peak 33.50	Mode PK/QP/AV Reading Level dB V dB Average Peak 24.52 20.28 20.28 20.28	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Average Peak 24.52 20.28 44.80 Peak 33.50 20.28 53.78	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Average Peak 24.52 20.28 44.80 54.00 Peak 33.50 20.28 53.78 74.00

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Page: 129 of 132

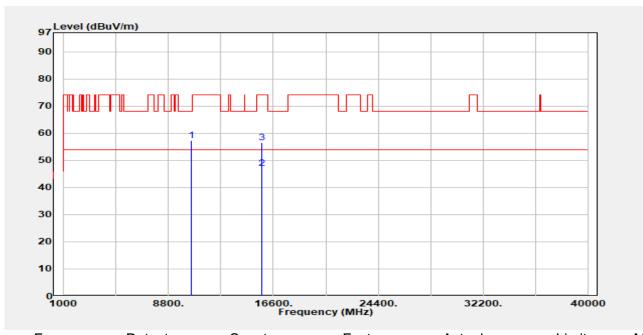
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax160 996/S67 Test Date :2022-07-25

Test Frequency :5250 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Peak	35.19	22.12	57.31	68.20	-10.89
Average	25.84	21.35	47.19	54.00	-6.81
Peak	35.25	21.35	56.60	74.00	-17.40
	PK/QP/AV Peak Average	Mode Reading Level PK/QP/AV dBμV Peak 35.19 Average 25.84	Mode PK/QP/AV Reading Level dBμV dB Peak Average 35.19 22.12 21.35	Mode PK/QP/AV Reading Level ABμV FS ABμV/m Peak Average 35.19 22.12 57.31 47.19	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 35.19 22.12 57.31 68.20 Average 25.84 21.35 47.19 54.00

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Page: 130 of 132

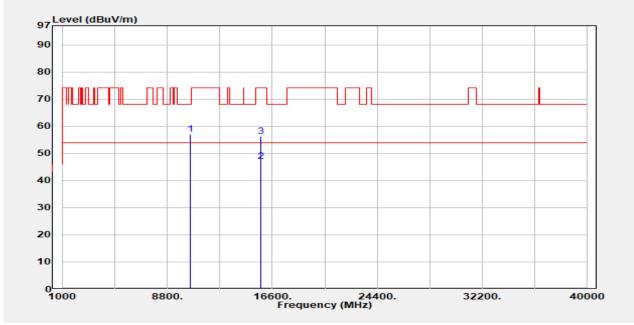
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax160 996/S67 Test Date :2022-07-25

Test Frequency :5250 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10500.00	Peak	35.04	22.12	57.16	68.20	-11.04
15750.00	Average	25.80	21.35	47.15	54.00	-6.85
15750.00	Peak	34.90	21.35	56.24	74.00	-17.76

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Page: 131 of 132

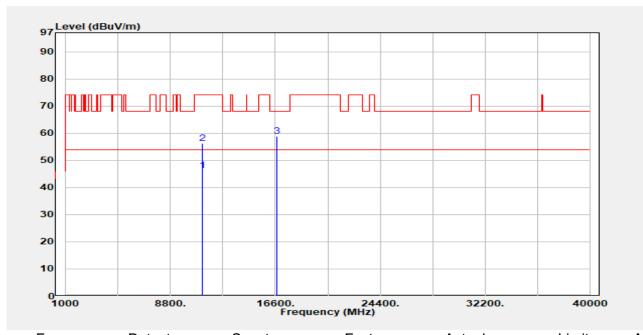
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax160 Test Date :2022-07-25

Test Frequency :5570 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	25.44	20.69	46.13	54.00	-7.87
Peak	35.51	20.69	56.20	74.00	-17.80
Peak	34.65	24.34	58.99	68.20	-9.21
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 25.44 Peak 35.51	Mode PK/QP/AV Reading Level dBμV dB Average Peak 25.44 20.69 Peak 35.51 20.69	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak 25.44 20.69 46.13 Peak 35.51 20.69 56.20	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.44 20.69 46.13 54.00 Peak 35.51 20.69 56.20 74.00

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Page: 132 of 132

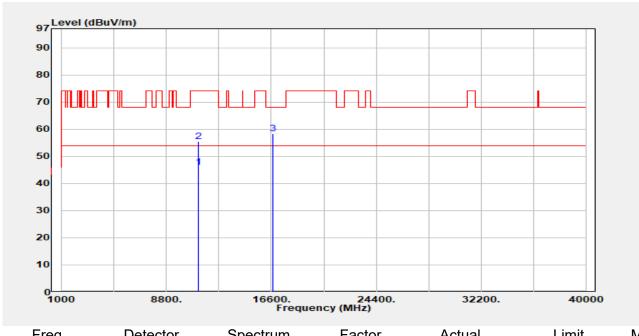
Report Number :TERF2207001062ER Test Site :SAC 1

Operation Mode :802.11ax160 **Test Date** :2022-07-25

Test Frequency :5570 MHz Temp./Humi. :23.6/63

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :GN Lin



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	25.41	20.69	46.10	54.00	-7.90
Peak	34.90	20.69	55.59	74.00	-18.41
Peak	34.03	24.34	58.37	68.20	-9.83
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 25.41 Peak 34.90	Mode PK/QP/AV Reading Level dBμV dB Average Peak 25.41 20.69 20.69 20.69	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak 25.41 20.69 46.10 Peak 34.90 20.69 55.59	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.41 20.69 46.10 54.00 Peak 34.90 20.69 55.59 74.00

~ End of Report ~

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