

ELECTROMAGNETIC EMISSIONS CLASS II PERMISSIVE CHANGE TEST REPORT



Applicant: MediaTek Inc.
No. 1, Dusing 1st Rd., Hsinchu Science Park Hsinchu City
30078, Taiwan

Product Name: 2TX 11ax (WiFi6E) BW160 + BT/BLE Combo Card

Brand Name: MediaTek

Model No.: MT7922A22M

Model Difference: N/A

Report Number: ER/2021/C0065

FCC ID RAS-MT7922A22M

Issue Date: February 11, 2022

Date of Test: December 21, 2021 ~ January 20, 2022

Date of EUT Received: December 9, 2021

Jet Lu

Approved By

Jet Lu

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.

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

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
ER/2021/C0065	00	Original.	February 11, 2022	Karen Huang	

Note:

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

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1 GENERAL INFORMATION

1.1 Product Description of Host

Product Name:	Notebook Computer
Brand Name:	acer
FCC Model No.:	N22C1
Model Difference:	N/A
Hardware Version:	N/A
Firmware Version:	N/A
Power Supply:	15.4Vdc

1.2 Modulation & Data Rate

Modulation type:	64QAM, 16QAM, QPSK, BPSK for OFDM
	256QAM for OFDM in 802.11ac only
	1024QAM for OFDMA in 802.11ax only
Transition Rate:	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
	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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1.3 Antenna Designation

Antenna Type	Main / Aux	Freq. (MHz)	Peak Antenna Gain (dBi)	Directional Gain (dBi)
PIFA	Main	5150~5250	2.92	6.02
		5250~5350	2.50	5.38
		5470~5725	3.39	6.19
		5725~5850	3.39	6.17
	Aux	5150~5250	3.09	6.02
		5250~5350	2.23	5.38
		5470~5725	2.97	6.19
		5725~5850	2.92	6.17

Note:

1. Pre-scanned was done on the above antennas, measurements were demonstrated by using the antenna with the highest gain as the worst case scenarios.
2. Antenna information is provided by the applicant.

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1.4 FCC

Wi-Fi	Frequency Range	Channels	Rated Power(Avg) (dBm) (Worst Case)	Modulation Technology
a/ n_HT/ ac_VHT/ ax_HE 20M	5180~5240	4	22.87 dBm	OFDMA
	5260~5320	4	22.49 dBm	OFDM
	5500~5720	12	22.46 dBm	OFDM
	5745~5825	5	23.50 dBm	OFDM
ac_VHT/ ax_HE 40M	5190~5230	2	22.34 dBm	OFDM
	5270~5310	2	22.70 dBm	OFDMA
	5510~5710	6	22.26 dBm	OFDMA
	5755~5795	2	22.80 dBm	OFDMA
ac_VHT/ ax_HE 80M	5210	1	17.21 dBm	OFDM
	5290	1	18.22 dBm	OFDM
	5530~5690	3	21.02 dBm	OFDMA
	5775	1	20.90 dBm	OFDMA
ac_VHT/ ax_HE 160M	5250	1	16.79 dBm	OFDM
	5570	1	16.45 dBm	OFDMA

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1.5 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

ANSI C63.10:2013

1.6 Test Facility

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

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

1.7 Special Accessories

There are no special accessories used while test was conducted.

1.8 Equipment Modifications

There was no modification incorporated into the EUT.

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2 SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

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

2.2 EUT Exercise

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

2.3 Test Procedure

2.3.1 Conducted Test (RF)

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

2.3.2 Radiated Emissions

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

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2.4 Measurement Results Explanation Example

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

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

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

2.4.2 For all conducted test items:

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

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2.5 Configuration of Tested System

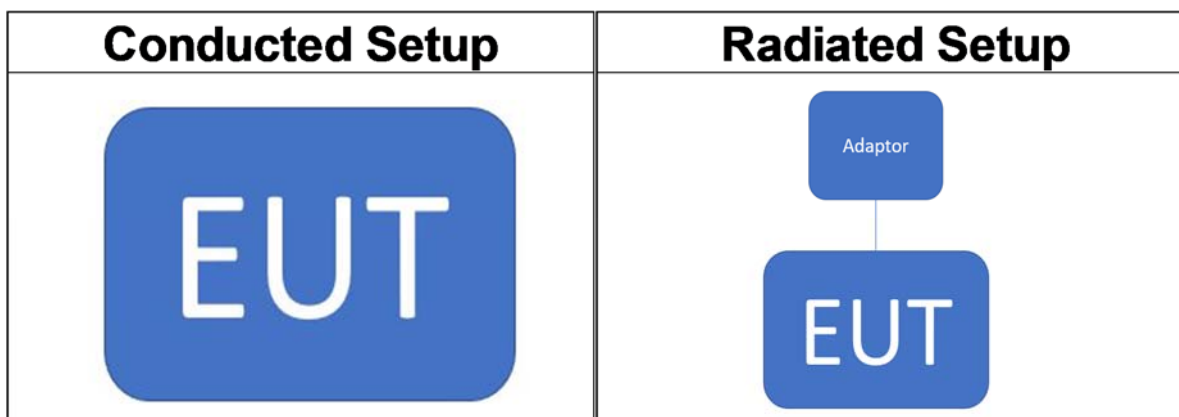


Table 2-1 Equipment Used in Tested System

Radiated Emission Test Site: SAC 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Test Software	audix	e3	Ver. 9 210322	N.C.R	N.C.R
Adaptor	LITEON	PA-1331-99	KP330030041 39003E4PE01	N/A	N/A

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3 SUMMARY OF TEST RESULT

FCC Rules	Description Of Test	Result
§15.407(a)	Maximum Conducted Output Power	Compliant
§15.205 §15.209 §15.407(b)	Undesirable Radiated Emissions	Compliant

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4 DESCRIPTION OF TEST MODES

4.1 802.11a/n/ac/ax operated in U-NII Bands

Operated band in 5150 MHz ~5250 MHz:

20 M		40 M		80 M	
CH	Freq (MHz)	CH	Freq (MHz)	CH	Freq (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

Operated band in 5250 MHz ~5350 MHz:

20 M		40 M		80 M		160 M	
CH	Freq (MHz)	CH	Freq (MHz)	CH	Freq (MHz)	CH	Freq (MHz)
52	5260	54	5270	58	5290	50	5250
56	5280	62	5310				
60	5300						
64	5320						

Operated band in 5470 MHz ~5725 MHz:

20 M		40 M		80 M		160 M	
CH	Freq (MHz)	CH	Freq (MHz)	CH	Freq (MHz)	CH	Freq (MHz)
100	5500	102	5510	106	5530	114	5570
104	5520	110	5550	122	5610		
108	5540	118	5590	138	5690		
112	5560	126	5630				
116	5580	134	5670				
120	5600	142	5710				
124	5620						
128	5640						
132	5660						
136	5680						
140	5700						
144	5720						

Operated band in 5745 MHz ~5850 MHz:

20 M		40 M		80 M	
CH	Freq (MHz)	CH	Freq (MHz)	CH	Freq (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

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4.2 The Worst Test Modes and Channel Details

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

The gevin UE is pre-scanned among below modes.

Modulation		Transmission Chain								Single Transmission Spatial		Multiple Transmission Spatial	
v	802.11 a	v	Ch0	v	Ch1		Ch2		Ch3	v	1TX	v	2TX
	802.11 n		Ch0		Ch1		Ch2		Ch3		SISO		MIMO
v	802.11 ac	v	Ch0	v	Ch1		Ch2		Ch3	v	SISO	v	MIMO
v	802.11 ax	v	Ch0	v	Ch1		Ch2		Ch3	v	SISO	v	MIMO

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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 RU can be enabled at any given time.

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

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802.11ax	80MHz			
RU type	26-tone RU		52-tone RU	
RU index and subcarrier range	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]	106-tone RU	
	RU17	[-43: -18]	RU53	[-499: -394]
	RU18	[-16: -4, 4: 16]	RU54	[-365: -260]
	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]	242-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]	484-tone RU	
	RU31	[340: 365]	RU65	[-500: -17]
	RU32	[367: 392]	RU66	[17: 500]
	RU33	[394: 419]	996-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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4.2.1 RADIATED EMISSION TEST:

RADIATED EMISSION TEST (BELOW 1 GHz)						
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11a	5180~5240	36 to 48	40	OFDM	6	2TX
	5260~5320	52 to 64	60			
	5500~5720	100 to 144	116			
	5745~5825	149 to 165	157			
802.11ac_VHT160	5250	50	50	OFDMA	MCS0	MIMO
	5570	114	114			

RADIATED EMISSION TEST (ABOVE 1 GHz)						
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11a	5180~5240	36 to 48	36,40,48	OFDM	6	2TX
	5260~5320	52 to 64	52,60,64			
	5500~5720	100 to 144	100,116,140,144			
	5745~5825	149 to 165	149,157,165			
802.11ac_VHT20	5180~5240	36 to 48	36,40,48	OFDM	MCS0	MIMO
	5260~5320	52 to 64	52,60,64			
	5500~5700	100 to 140	100,116,140			
	5745~5825	149 to 165	149,157,165			
802.11ac_VHT40	5190~5230	38 to 46	38,46	OFDM	MCS0	MIMO
	5270~5310	54 to 62	54,62			
	5510~5670	102 to 134	102,110,134			
	5755~5795	151 to 159	151,159			
802.11ac_VHT80	5210	42	42	OFDM	MCS0	MIMO
	5290	58	58			
	5530~5610	106 to 138	106,122,138			
	5775	155	155			
802.11ac_VHT160	5250	50	50	OFDM	MCS0	MIMO
	5570	114	114			

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RADIATED EMISSION TEST (ABOVE 1 GHz)							
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	RU CONFIGURATION	DATA RATE (Mbps)	ANTENNA PORT
802.11ax_HE20	5180~5240	36 to 48	36,40,48	OFDMA	FULL RU 26/0,26/8 52/37,52/40 106/53,106/54	MCS0	MIMO
	5260~5320	52 to 64	52,60,64				
	5500~5720	100 to 144	100,116,140,144				
	5745~5825	149 to 165	149,157,165				
802.11ax_HE40	5190~5230	38 to 46	38,46	OFDMA	FULL RU 242/61,242/62	MCS0	MIMO
	5270~5310	54 to 62	54,62				
	5510~5670	102 to 142	102,110,134,142				
	5755~5795	151 to 159	151,159				
802.11ax_HE80	5210	42	42	OFDMA	FULL RU 484/65,484/66	MCS0	MIMO
	5290	58	58				
	5530~5610	106 to 138	106,122,138				
	5775	155	155				
802.11ax_HE160	5250	50	50	OFDMA	FULL RU 484/65,484/66	MCS0	MIMO
	5570	114	114				

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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4.2.2 ANTENNA PORT CONDUCTED MEASUREMENT:

CONDUCTED TEST							
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT	
802.11a	5180~5240	36 to 48	36,44,48	OFDM	6	2TX	
	5260~5320	52 to 64	52,60,64				
	5500~5720	100 to 144	100,116,140,144				
	5745~5825	149 to 165	149,157,165				
802.11ac_VHT20	5180~5240	36 to 48	36,44,48	OFDM	MCS0	MIMO	
	5260~5320	52 to 64	52,60,64				
	5500~5700	100 to 140	100,116,140				
	5745~5825	149 to 165	149,157,165				
802.11ac_VHT40	5190~5230	38 to 46	38,46	OFDM	MCS0	MIMO	
	5270~5310	54 to 62	54,62				
	5510~5670	102 to 134	102,110,134				
	5755~5795	151 to 159	151,159				
802.11ac_VHT80	5210	42	42	OFDM	MCS0	MIMO	
	5290	58	58				
	5530~5610	106 to 138	106,122,138				
	5775	155	155				
802.11ac_VHT160	5250	50	50	OFDM	MCS0	MIMO	
	5570	114	114				
CONDUCTED TEST							
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	RU CONFIGURATIO	DATA RATE (Mbps)	ANTENNA PORT
802.11ax_HE20	5180~5240	36 to 48	36,44,48	OFDMA	FULL RU 26/0,26/8 52/37,52/40 106/53,106/54	MCS0	MIMO
	5260~5320	52 to 64	52,60,64				
	5500~5720	100 to 144	100,116,140,144				
	5745~5825	149 to 165	149,157,165				
802.11ax_HE40	5190~5230	38 to 46	38,46	OFDMA	-	MCS0	MIMO
	5270~5310	54 to 62	54,62				
	5510~5670	102 to 142	102,110,134,142				
	5755~5795	151 to 159	151,159				
802.11ax_HE80	5210	42	42	OFDMA	-	MCS0	MIMO
	5290	58	58				
	5530~5610	106 to 138	106,122,138				
	5775	155	155				
802.11ax_HE160	5290	58	58	OFDMA	-	MCS0	MIMO
	5530~5610	106 to 138	106,122,138				

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5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
AC Power Line Conducted Emission	+/- 2.34 dB
Output Power measurement	+/- 1 dB
Emission Bandwidth	+/- 1.53 Hz
Undesignable radiated emission measurement	+/- 1.68 dB
Peak Power Density	+/- 1.62 dB
Temperature	+/- 0.4 °C
Humidity	+/- 3.5 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty			
Polarization: Vertical	+/-	2.64 dB	9kHz~30MHz
	+/-	4.93 dB	30MHz - 1000MHz
	+/-	4.81 dB	1GHz - 18GHz
	+/-	4.52 dB	18GHz - 40GHz
Polarization: Horizontal	+/-	2.64 dB	9kHz~30MHz
	+/-	4.45 dB	30MHz - 1000MHz
	+/-	4.81 dB	1GHz - 18GHz
	+/-	4.52 dB	18GHz - 40GHz

Note:

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

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6 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

6.1 Standard Applicable

FCC

Band	EUT CATEGORY		e-CRF Title 47 §15.407			
			Conducted Output Power	EIRP	TPC	Antenna Directional Gain Requirements
U-NII-1		Fixed point-to-point	1 Watt(30dBm)	Not required	Not required	23dBi
		Outdoor AP	1 Watt(30dBm)	Elevation angle above 30 degrees 125mW (21dBm)	Not required	6dBi
		Indoor AP	1 Watt(30dBm)	Not required	Not required	6dBi
	V	Other	250mW(23.98dBm)	Not required	Not required	6dBi
U-NII-2A	V	Other	250mW(23.98dBm) or 11dBm+10 log B	Not required	When EIRP >500mW At least 6dB below EIRP 1W (30dBm)	6dBi
U-NII-2C	V	Other	250mW(23.98dBm) or 11dBm+10 log B	Not required		6dBi
U-NII-3	V	Other	1 Watt(30dBm)	Not required	Not required	6dBi
		Fixed point-to-point	1 Watt(30dBm)	Not required	Not required	Not required

1. If transmitting antennas of directional gain greater than the antenna requirements column, the Maximum transmit power shall be reduced by the amount in dB that the direction-al gain of the antenna.

2. For the 10 log B, B is the 26 dB emission bandwidth.

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Note:

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

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

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

where

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

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

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

6.2 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter
4. Power Meter is used as the auxiliary test equipment to conduct the output power measurement.
5. Record the max. reading and add 10 log(1/duty cycle).
6. Repeat above procedures until all frequency (low, middle, and high channel) measured were complete.

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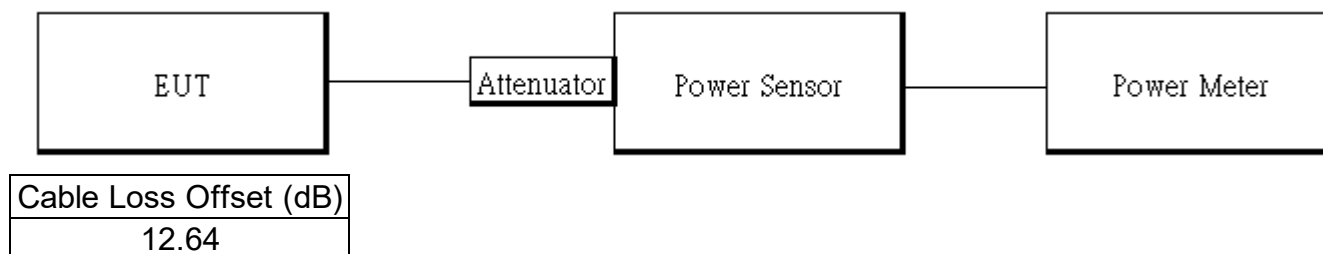
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6.3 Measurement Equipment Used

Conducted Emission Test Site: Conducted 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071571	05/26/2021	05/25/2022
Power Meter	Anritsu	ML2496A	1242004	11/02/2021	11/01/2022
Power Sensor	Anritsu	MA2411B	1207365	11/02/2021	11/01/2022
Power Sensor	Anritsu	MA2411B	1207368	11/02/2021	11/01/2022
Attenuator	Mini-Circuit	BW-S10W2+	2	12/14/2021	12/13/2022
DC Block	Mini-Circuits	BLK-18-S+	1	12/14/2021	12/13/2022

6.4 Test Set-up



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6.5 Measurement Result

6.5.1 Conducted output power (FCC)

802.11a_2TX

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	6	11	15.05	16.1	18.88	77.268	23.96	PASS
40	5200	6	14	18.02	19.2	21.92	155.597	23.96	PASS
48	5240	6	13.5	17.83	18.91	21.68	147.231	23.96	PASS
52	5260	6	13.5	18.01	19.18	21.91	155.239	23.98	PASS
60	5300	6	13	18.11	18.67	21.67	146.893	23.98	PASS
64	5320	6	13	18.14	18.9	21.81	151.705	23.98	PASS
100	5500	6	13.5	18.34	19.05	21.98	157.761	23.79	PASS
116	5580	6	13.5	18.23	18.77	21.78	150.661	23.79	PASS
140	5700	6	12.5	17.37	18.16	21.06	127.644	23.79	PASS
144	5720	6	12	15.90	17.86	20.26	106.168	23.79	PASS
144	5720 (U-NII 3)	6	12	11.20	11.84	14.80	30.214	29.83	PASS
149	5745	6	15.5	19.45	20.63	23.35	216.272	29.83	PASS
157	5785	6	15.5	19.49	20.86	23.50	223.872	29.83	PASS
165	5825	6	15	19.42	20.69	23.37	217.270	29.83	PASS

802.11ac_VHT20_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
36	5180	MCS0	15	18.02	19.05	21.83	152.405	23.96	PASS
40	5200	MCS0	15.5	18.27	19.51	22.20	165.959	23.96	PASS
48	5240	MCS0	16	18.95	19.96	22.75	188.365	23.96	PASS
52	5260	MCS0	15.5	18.66	19.72	22.49	177.419	23.98	PASS
60	5300	MCS0	15	18.81	19.45	22.41	174.181	23.98	PASS
64	5320	MCS0	14.5	18.33	19.16	22.03	159.588	23.98	PASS
100	5500	MCS0	14	17.65	18.25	21.23	132.739	23.79	PASS
116	5580	MCS0	15.5	18.91	19.45	22.46	176.198	23.79	PASS
140	5700	MCS0	11.5	15.16	15.73	18.72	74.473	23.79	PASS
144	5720	MCS0	15.5	17.73	19.70	22.10	162.034	23.79	PASS
144	5720 (U-NII 3)	MCS0	15.5	13.13	13.85	16.78	47.591	29.83	PASS
149	5745	MCS0	16	19.45	19.88	22.94	196.789	29.83	PASS
157	5785	MCS0	15.5	19.08	19.53	22.58	181.134	29.83	PASS
165	5825	MCS0	15.5	19.24	19.77	22.78	189.671	29.83	PASS

802.11ac_VHT40_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
38	5190	MCS0	13.5	16.43	17.52	20.16	103.753	23.96	PASS
46	5230	MCS0	15.5	18.69	19.63	22.34	171.396	23.96	PASS
54	5270	MCS0	15.5	18.78	20.09	22.64	183.654	23.98	PASS
62	5310	MCS0	11.5	15.65	16.18	19.08	80.910	23.98	PASS
102	5510	MCS0	12	15.86	16.63	19.41	87.297	23.79	PASS
110	5550	MCS0	15	18.86	19.22	22.20	165.959	23.79	PASS
134	5670	MCS0	14	17.45	18.21	21.00	125.893	23.79	PASS
142	5710	MCS0	14	17.15	18.52	21.04	127.031	23.79	PASS
142	5710 (U-NII 3)	MCS0	14	8.79	9.66	12.40	17.366	29.83	PASS
151	5755	MCS0	15.5	19.17	19.7	22.60	181.970	29.83	PASS
159	5795	MCS0	15.5	19.34	19.73	22.69	185.780	29.83	PASS

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802.11ac_VHT80_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
42	5210	MCS0	11	12.66	13.84	17.21	52.602	23.96	PASS
58	5290	MCS0	11	13.69	14.82	18.22	66.374	23.98	PASS
106	5530	MCS0	12	14.88	15.52	19.14	82.035	23.79	PASS
122	5610	MCS0	13.5	16.51	16.99	20.68	116.950	23.79	PASS
138	5690	MCS0	12.5	15.50	16.23	19.80	95.513	23.79	PASS
138	5690 (U-NII 3)	MCS0	12.5	3.17	4.01	7.53	5.663	29.83	PASS
155	5775	MCS0	13	16.39	16.82	20.53	112.980	29.83	PASS

802.11ac_VHT160_MIMO

CH	Frequency (MHz)	Data Rate	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1				
50	5250(U-NII-1)	MCS0	14.5	11.96	12.77	16.79	47.753	23.98	PASS
50	5250(U-NII-2A)	MCS0	14.5	12.04	12.95	16.93	49.317	23.98	PASS
114	5570	MCS0	10	11.96	11.87	16.32	42.855	23.79	PASS

802.11ax_HE20_MIMO

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
36	5180	MCS0	full	14.5	17.34	18.46	21.52	141.906	23.96	PASS
		MCS0	26/0	11	11.28	11.66	15.06	32.063	23.96	PASS
		MCS0	106/53	13.5	15.31	16.27	19.40	87.096	23.96	PASS
40	5200	MCS0	full	15.5	18.41	19.56	22.61	182.390	23.96	PASS
48	5240	MCS0	full	15.5	18.77	19.75	22.87	193.642	23.96	PASS
		MCS0	52/37	13.5	13.8	14.11	17.54	56.754	23.96	PASS
52	5260	MCS0	full	15	18.31	19.4	22.47	176.604	23.98	PASS
60	5300	MCS0	full	14.5	18.31	19.03	22.27	168.655	23.98	PASS
64	5320	MCS0	full	14.5	18.45	19.27	22.46	176.198	23.98	PASS
		MCS0	26/8	9.5	11.31	11.14	14.81	30.269	23.98	PASS
		MCS0	106/54	15	15.97	16.15	19.64	92.045	23.98	PASS
100	5500	MCS0	full	14	17.68	18.43	21.65	146.218	23.79	PASS
		MCS0	26/0	9.5	11.14	10.88	14.60	28.840	23.79	PASS
		MCS0	106/53	12	14.87	15.52	18.79	75.683	23.79	PASS
116	5580	MCS0	full	15	18.58	19.15	22.46	176.198	23.79	PASS
140	5700	MCS0	full	11	14.97	15.64	18.90	77.625	23.79	PASS
		MCS0	26/8	10	11.01	10.84	14.51	28.249	23.79	PASS
		MCS0	106/54	11	13.87	14.52	17.79	60.117	23.79	PASS
144	5720	MCS0	full	15	17.43	19.51	22.17	164.955	23.79	PASS
144	5720 (U-NII 3)	MCS0	full	15	12.93	13.66	16.89	48.872	29.83	PASS
149	5745	MCS0	full	15.5	19.14	19.58	22.95	197.242	29.83	PASS
		MCS0	26/0	19	19.26	19.46	22.94	196.789	29.83	PASS
		MCS0	106/53	19	19.05	19.19	22.70	186.209	29.83	PASS
157	5785	MCS0	full	15.5	19.17	19.72	23.04	201.372	29.83	PASS
165	5825	MCS0	full	15	18.89	19.53	22.81	190.985	29.83	PASS
		MCS0	26/8	18	18.98	19.03	22.59	181.552	29.83	PASS
		MCS0	52/40	18.5	19.26	19.22	22.82	191.426	29.83	PASS
		MCS0	106/54	19	19.08	19.3	22.77	189.234	29.83	PASS

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802.11ax_HE40_MIMO

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
38	5190	MCS0	full	12.5	15.66	16.7	19.77	94.842	23.96	PASS
46	5230	MCS0	full	15	18.31	19.16	22.31	170.216	23.96	PASS
54	5270	MCS0	full	15	18.43	19.75	22.70	186.209	23.98	PASS
62	5310	MCS0	full	11.5	15.69	16.38	19.61	91.411	23.98	PASS
102	5510	MCS0	full	11.5	15.41	16.23	19.40	87.096	23.79	PASS
110	5550	MCS0	full	14.5	18.45	18.93	22.26	87.096	23.79	PASS
134	5670	MCS0	full	13.5	17.23	17.95	21.16	130.617	23.79	PASS
142	5710	MCS0	full	18	17.35	18.67	21.62	145.220	23.79	PASS
142	5710 (U-NII 3)	MCS0	full	18	8.65	9.43	12.62	18.272	29.83	PASS
151	5755	MCS0	full	17.5	18.86	19.35	22.67	184.927	29.83	PASS
159	5795	MCS0	full	15	18.95	19.51	22.80	190.546	29.83	PASS

802.11ax_HE80_MIMO

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
42	5210	MCS0	full	11	13.01	14.05	17.17	52.119	23.96	PASS
58	5290	MCS0	full	11	13.89	15.2	18.21	66.222	23.98	PASS
106	5530	MCS0	full	12.5	15.41	16.22	19.45	88.105	23.79	PASS
122	5610	MCS0	full	14.5	17.15	17.66	21.02	126.474	23.79	PASS
138	5690	MCS0	full	12.5	15.74	16.54	19.77	94.813	23.79	PASS
138	5690 (U-NII 3)	MCS0	full	12.5	3.95	4.32	7.75	5.956	29.83	PASS
155	5775	MCS0	full	14	17.08	17.49	20.90	123.027	29.83	PASS

802.11ax_HE160_MIMO

CH	Frequency (MHz)	Data Rate	RU config.	Power set	Avg. POWER (dBm)		TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
					Ch0	Ch1				
50	5250(U-NII-1)	MCS0	full	8	5.99	6.4	9.81	9.572	23.98	PASS
	5250(U-NII-2A)	MCS0	full	8	6.01	6.42	9.83	9.616	23.98	PASS
114	5570	MCS0	full	8.5	12.89	12.78	16.45	44.157	23.79	PASS

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7 UNDESIRABLE RADIATED EMISSION MEASUREMENT

7.1 Standard Applicable

7.1.1 Band Edge

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

1. For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
2. For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

APPLICABLE TO	EIRP LIMIT	FIELD STRENGTH AT 3m
15.407(b)(1) RSS-247 §6.2.1.2	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
15.407(b)(2) RSS-247 §6.2.2.2		
15.407(b)(3) RSS-247 §6.2.3.2		
15.407(b)(4)(i) RSS-247 §6.2.4.2	PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2 PK:15.6 (dBm/MHz) *3 PK:27 (dBm/MHz) *4	PK: 68.2 (dBμV/m) *1 PK:105.2 (dBμV/m) *2 PK: 110.8(dBμV/m) *3 PK:122.2 (dBμV/m) *4
<p>*1 beyond 75 MHz or more above of the bandedge.</p> <p>*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.</p> <p>*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.</p> <p>*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.</p>		

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

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7.1.2 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:

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

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7.2 Measurement Equipment Used

Radiated Emission Test Site: SAC 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Horn Antenna	SCHWARZBECK	BBHA9170	184	12/16/2021	12/15/2022
Horn Antenna	SCHWARZBECK	BBHA9120D	1441	09/27/2021	09/26/2022
Bi-log Antenna	SCHWARZBECK	VULB9168	378	08/20/2021	08/19/2022
Loop Antenna	ETS.LINDGREN	6502	148045	09/29/2021	09/28/2022
PXA Spectrum Analyzer	Agilent	N9030A	MY53120760	04/27/2021	04/26/2022
EMI Test Receiver	R&S	ESCI 7	100759	08/26/2021	08/25/2022
Pre-Amplifier	HP	8449B	3008A00578	12/16/2021	12/15/2022
Pre-Amplifier	EMC Instruments	EMC184045B	980135	10/27/2021	10/26/2022
Pre-Amplifier	HP	8447D	2944A07676	12/16/2021	12/15/2022
Attenuator	Mini-Circuit	BW-S10W2+	4	12/14/2021	12/13/2022
Filter 5150-5350 MHz	Micro-Tronics	BRM50703	1	12/14/2021	12/13/2022
Filter 5470-5725 MHz	Micro-Tronics	BRM50704	1	12/14/2021	12/13/2022
Filter 5725-5875 MHz	Micro-Tronics	BRM50705	1	12/14/2021	12/13/2022
High Pass Filter	WI	WHKX7.0/18G-8SS	45	12/14/2021	12/13/2022
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2636/2	12/16/2021	12/15/2022
Coaxial Cable	Huber Suhner	SUCOFLEX 104	340057/4	12/16/2021	12/15/2022
Coaxial Cable	Huber Suhner	SUCOFLEX 104PEA	800052/2	12/16/2021	12/15/2022
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2621/2	12/16/2021	12/15/2022
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2617/2	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
Site Cal	SGS	SAC 3	N/A	01/01/2022	12/31/2022

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Radiated Emission Test Site: SAC G					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	SCHWAZBECK	VULB 9168	1206	02/22/2021	02/21/2022
Horn Antenna	Schwarzbeck	BBHA9170	185	08/06/2021	08/05/2022
Horn Antenna	Schwarzbeck	DRH18-E	210105A18E	04/09/2021	04/08/2022
Loop Antenna	ETS.LINDGREN	6502	143303	05/07/2021	05/06/2022
3m Site NSA	SGS	966 chamber G	N/A	03/30/2021	03/29/2022
Spectrum Analyzer	KEYSIGHT	N9010A	MY57120200	03/22/2021	03/21/2022
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R
Pre-Amplifier	EMC Instruments	EMC330N	980781	03/15/2021	03/14/2022
Pre-Amplifier	EMC Instruments	EMC118A45SE	980815	03/15/2021	03/14/2022
Highpass Filter	WI	WHKX10-2624-3200-1800-80SS	1	05/10/2021	05/09/2022
Highpass Filter	WI	WHKX10-6090-7000-17000-80SS	1	05/10/2021	05/09/2022
Highpass Filter	WI	WHKX10-1066-1300-1500-80SS	18	05/10/2021	05/09/2022
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM-8000-5000-2000	210216 、 210217 、 210218	03/15/2021	03/14/2022
Coaxial Cable	EMC Instruments	EMC104-SM-SM-8000-5000-5000	210219 、 210220 、 210221	03/15/2021	03/14/2022
Coaxial Cable	EMC Instruments	EMC105-NM-NM-5000-15000	210224 、 210306	03/15/2021	03/14/2022

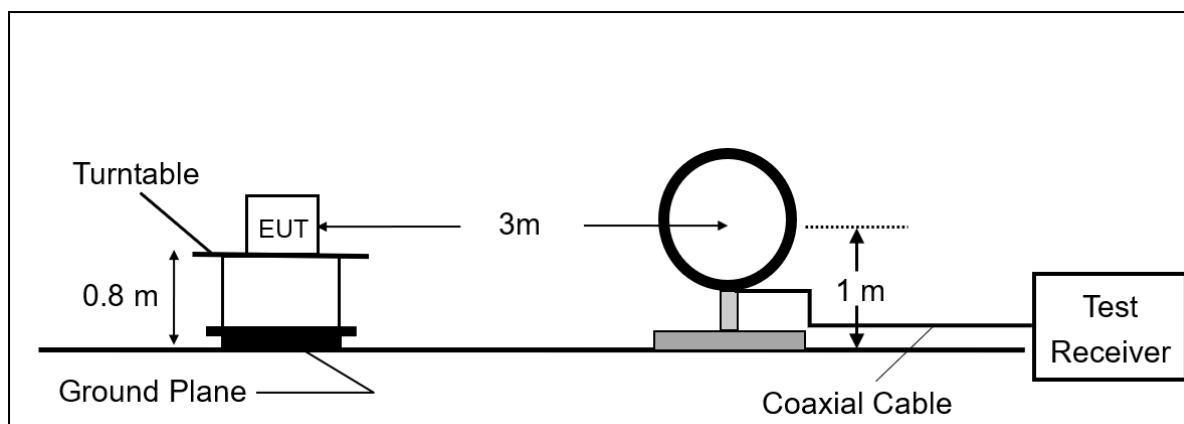
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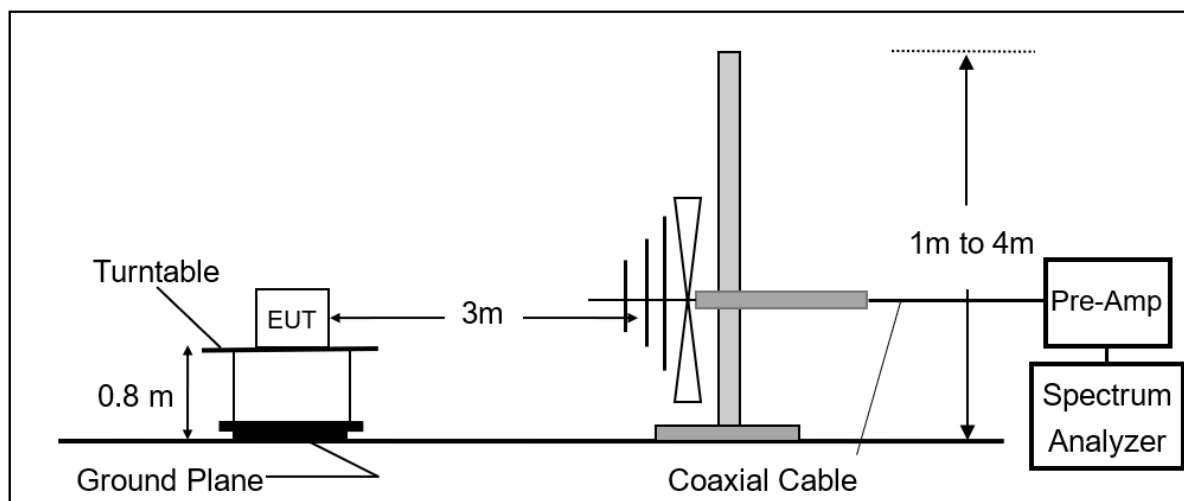
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7.3 Test SET-UP

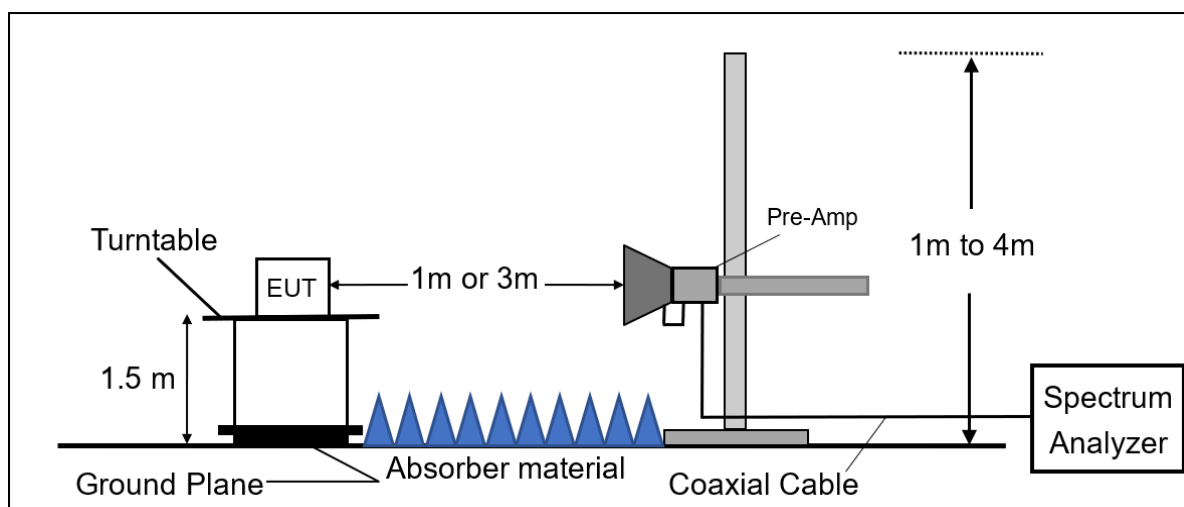
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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7.4 Measurement Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plane.
4. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
5. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
6. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz.
7. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
8. At frequency above 1 GHz, Set the spectrum analyzer:
 - A. RBW=1 MHz, VBW=3 MHz for **Peak** Detector.
 - B. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW $\geq 1/T$ (Duty cycle < 98%) for **Average** Detector.
9. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
10. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
11. Repeat above procedures until all frequency measured were complete.

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7.5 Field Strength Calculation

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

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

Where *FS* = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

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

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

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

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

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

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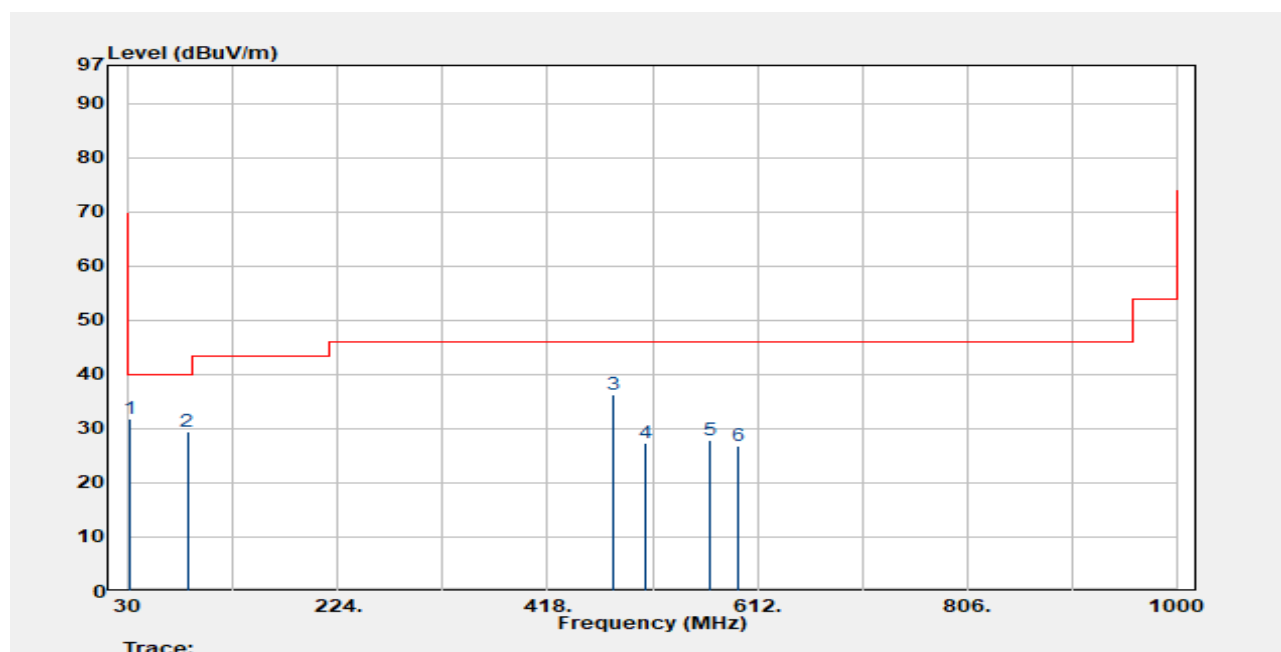
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7.7 Radiated Spurious Emission Measurement Result

7.7.1 Worst-Case Data:

Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5200 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
31.940	QP	40.72	-8.94	31.78	40.00	-8.22
84.320	Peak	42.51	-13.08	29.43	40.00	-10.57
478.140	Peak	38.79	-2.54	36.25	46.00	-9.75
508.210	QP	29.51	-2.09	27.42	46.00	-18.58
568.350	QP	29.41	-1.63	27.78	46.00	-18.22
594.540	QP	27.31	-0.60	26.71	46.00	-19.29

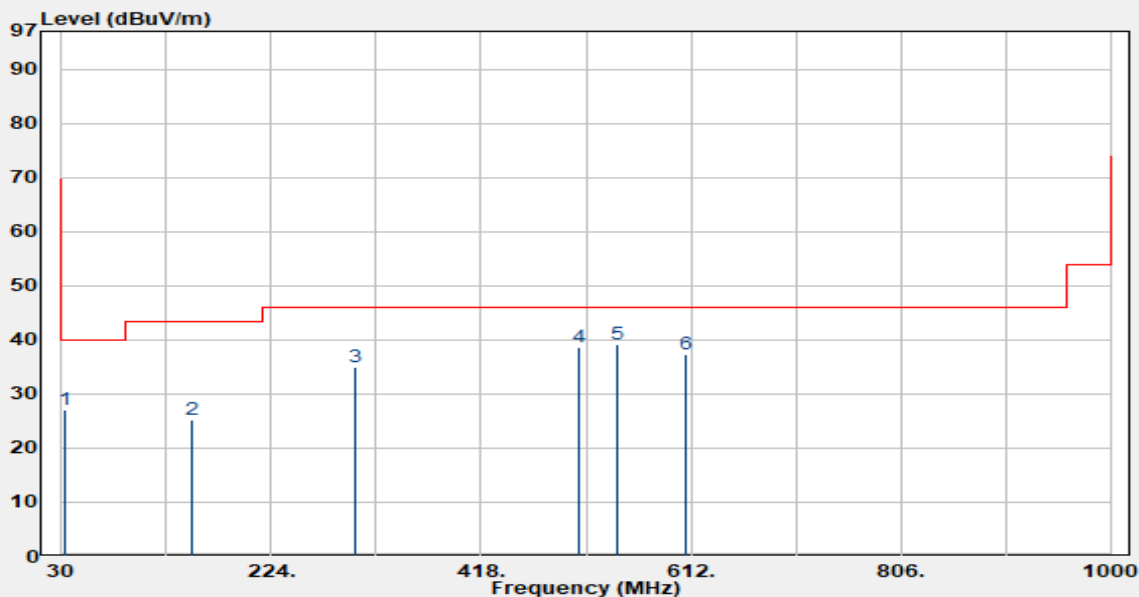
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5200 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
33.880	Peak	36.13	-9.05	27.08	40.00	-12.92
150.280	Peak	32.32	-7.11	25.21	43.50	-18.29
301.600	Peak	40.78	-5.89	34.89	46.00	-11.11
508.210	Peak	40.77	-2.09	38.68	46.00	-7.32
544.100	Peak	40.52	-1.36	39.16	46.00	-6.84
607.150	Peak	36.74	0.69	37.43	46.00	-8.57

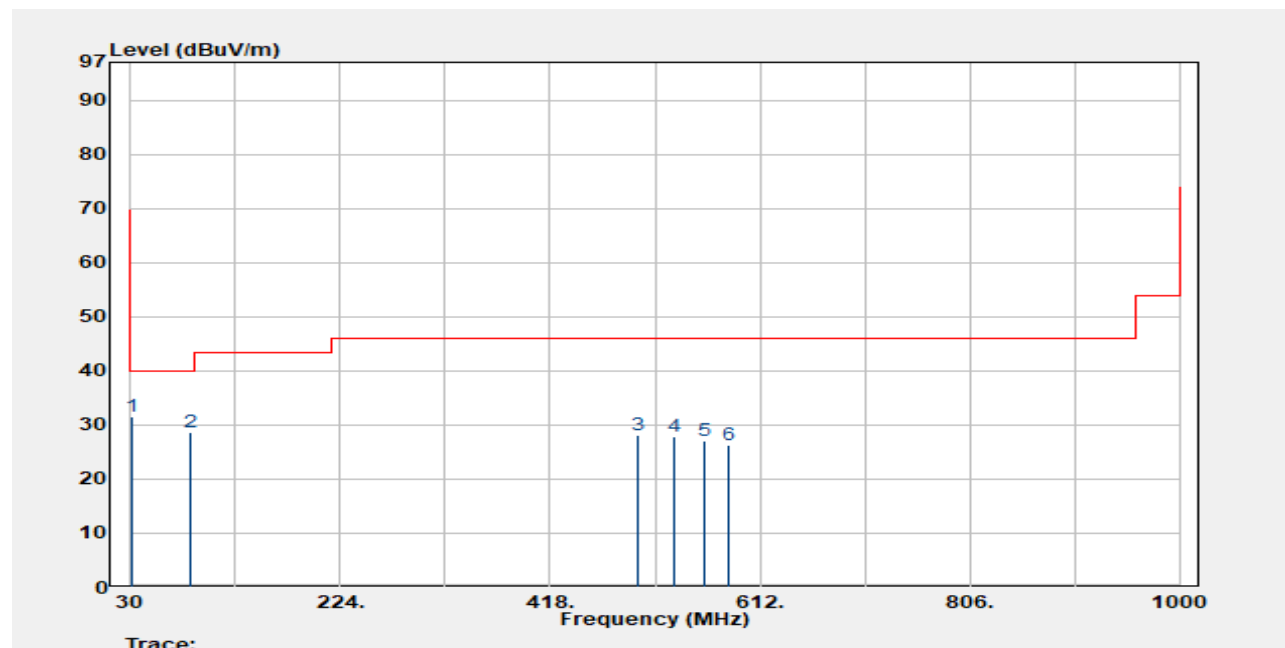
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
31.940	QP	40.46	-8.94	31.52	40.00	-8.48
85.290	Peak	41.86	-13.27	28.59	40.00	-11.41
498.510	QP	30.51	-2.41	28.10	46.00	-17.90
533.430	QP	29.11	-1.15	27.96	46.00	-18.04
561.560	QP	28.91	-1.79	27.12	46.00	-18.88
583.870	QP	27.65	-1.39	26.26	46.00	-19.74

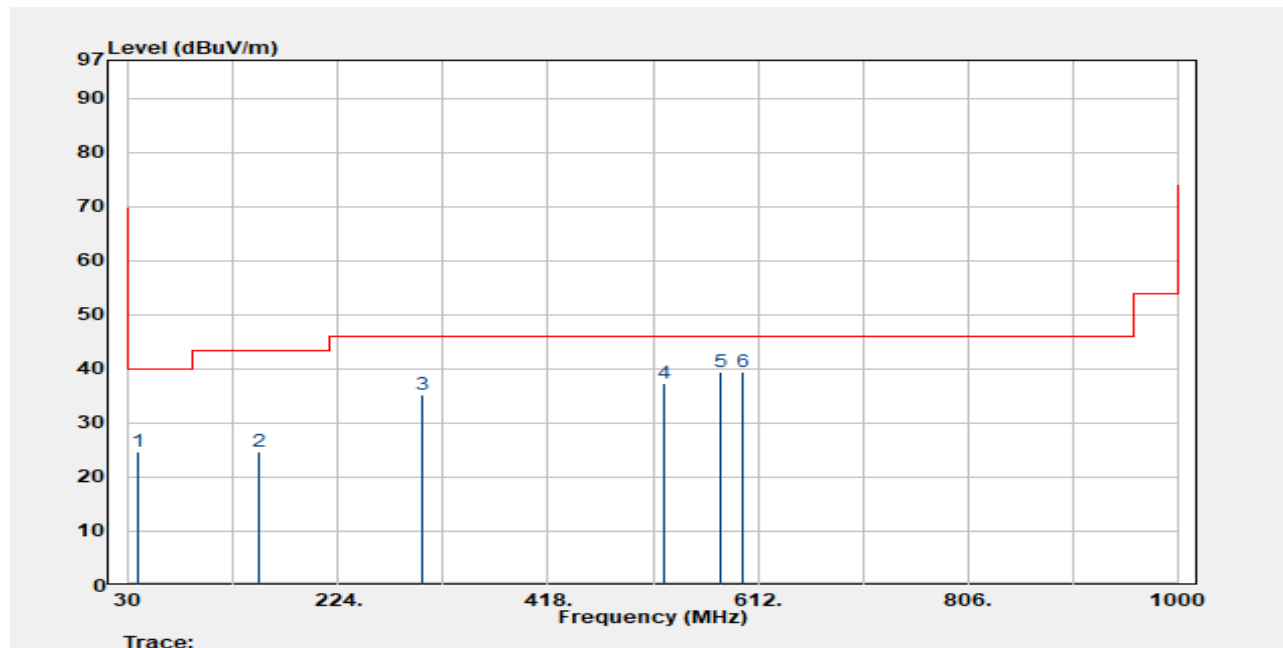
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
37.760	Peak	33.43	-8.65	24.79	40.00	-15.21
151.250	Peak	31.88	-7.10	24.77	43.50	-18.73
301.600	Peak	41.15	-5.89	35.26	46.00	-10.74
525.670	Peak	38.85	-1.42	37.43	46.00	-8.57
577.080	Peak	41.12	-1.58	39.54	46.00	-6.46
598.420	Peak	39.74	-0.19	39.54	46.00	-6.46

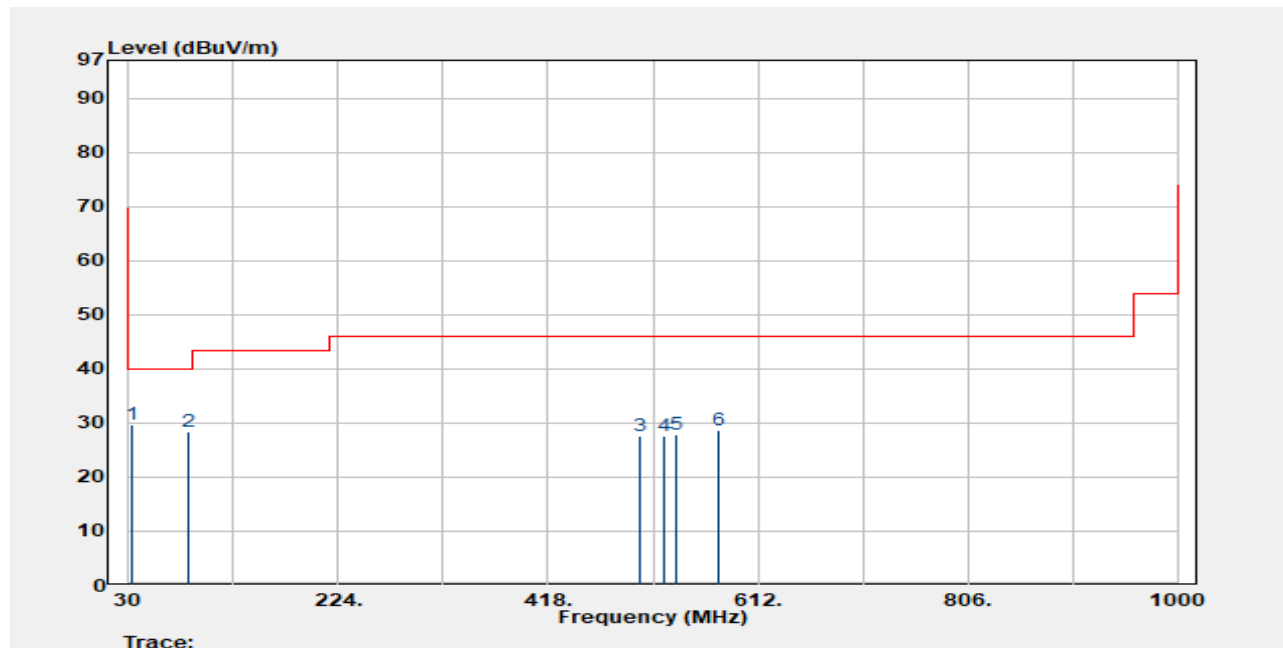
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5580 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
32.910	QP	38.33	-8.65	29.68	40.00	-10.32
85.290	Peak	41.69	-13.27	28.42	40.00	-11.58
503.360	QP	30.03	-2.32	27.71	46.00	-18.29
525.670	QP	29.02	-1.42	27.60	46.00	-18.40
537.310	QP	29.18	-1.19	27.99	46.00	-18.01
575.140	QP	30.31	-1.60	28.71	46.00	-17.29

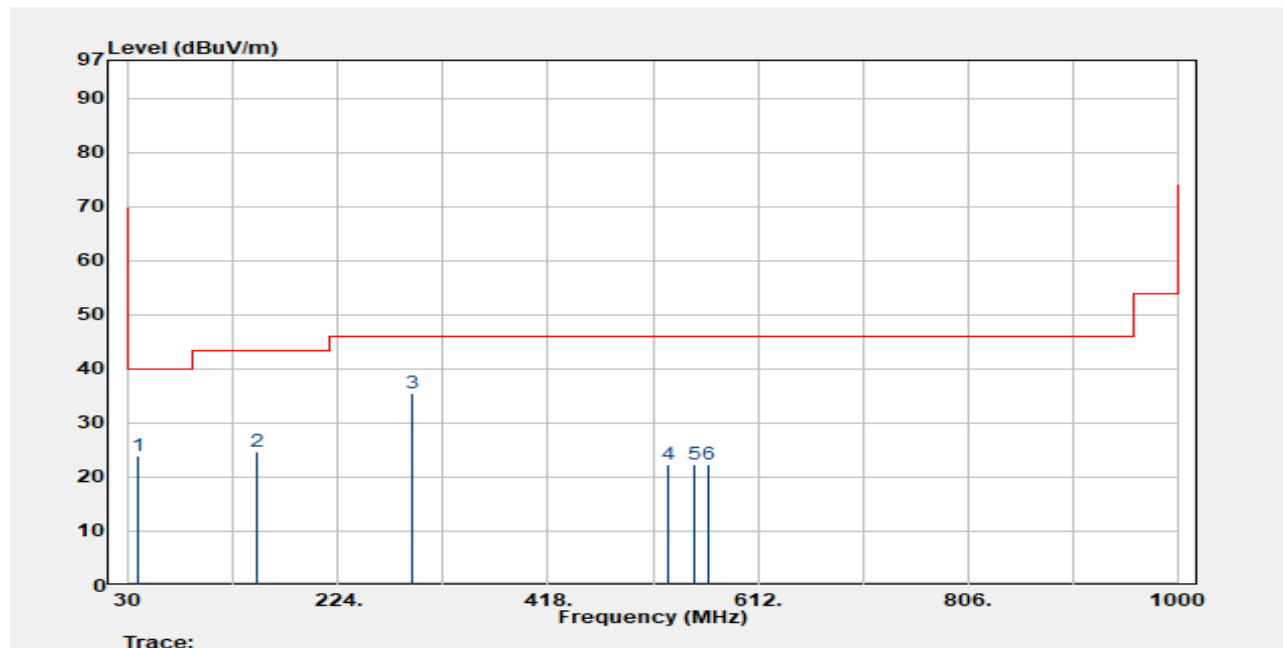
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5580 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
37.760	Peak	32.52	-8.65	23.88	40.00	-16.12
148.340	Peak	31.82	-7.12	24.71	43.50	-18.79
291.900	Peak	41.53	-5.99	35.53	46.00	-10.47
528.580	QP	23.72	-1.25	22.47	46.00	-23.53
552.830	QP	23.92	-1.51	22.41	46.00	-23.59
565.440	QP	24.16	-1.73	22.43	46.00	-23.57

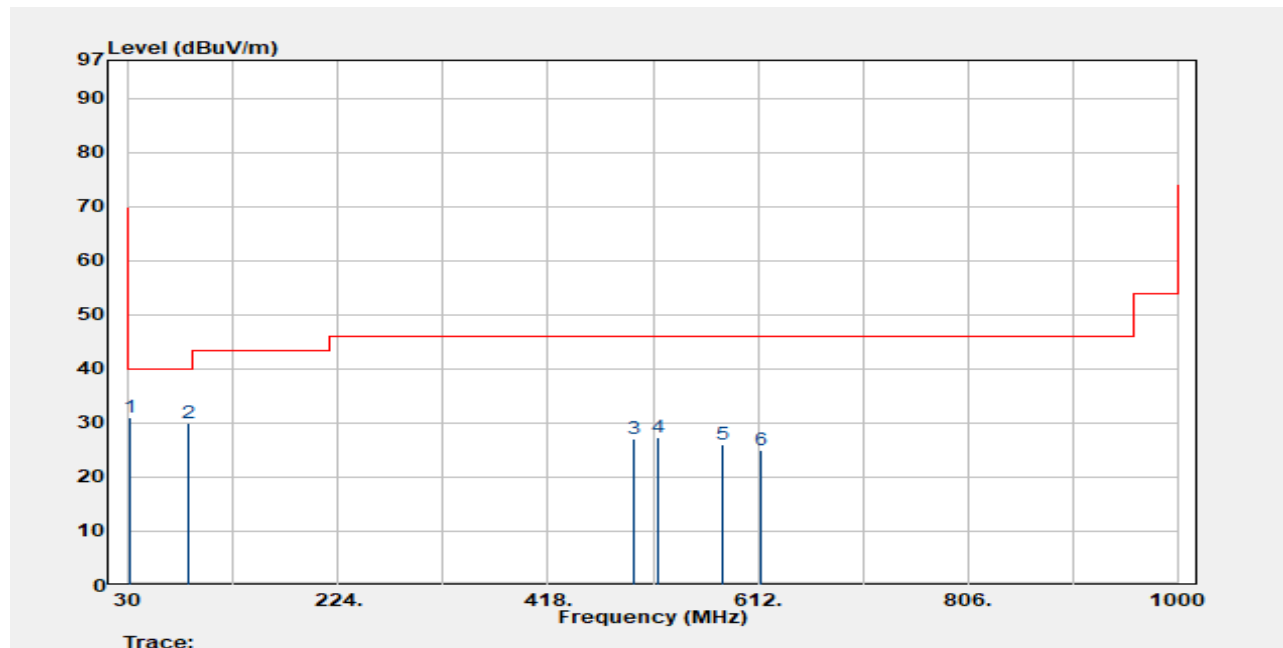
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
31.940	QP	40.04	-8.94	31.10	40.00	-8.90
85.290	Peak	43.20	-13.27	29.93	40.00	-10.07
496.570	QP	29.40	-2.36	27.04	46.00	-18.96
518.880	QP	28.93	-1.70	27.23	46.00	-18.77
579.990	QP	27.61	-1.53	26.08	46.00	-19.92
613.940	QP	24.05	1.03	25.08	46.00	-20.92

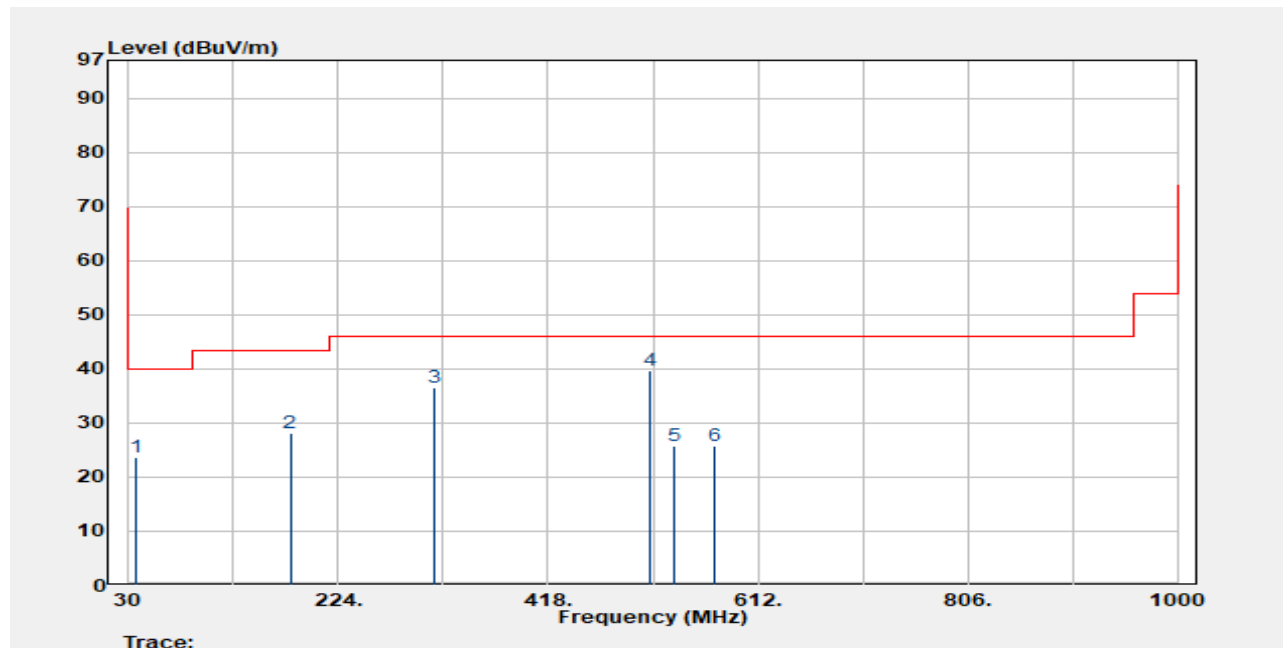
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
36.790	Peak	32.49	-8.86	23.63	40.00	-16.37
179.380	Peak	36.69	-8.61	28.08	43.50	-15.42
313.240	Peak	42.23	-5.64	36.59	46.00	-9.41
512.090	Peak	41.74	-1.92	39.82	46.00	-6.18
535.370	QP	26.84	-1.15	25.69	46.00	-20.31
572.230	QP	27.31	-1.59	25.72	46.00	-20.28

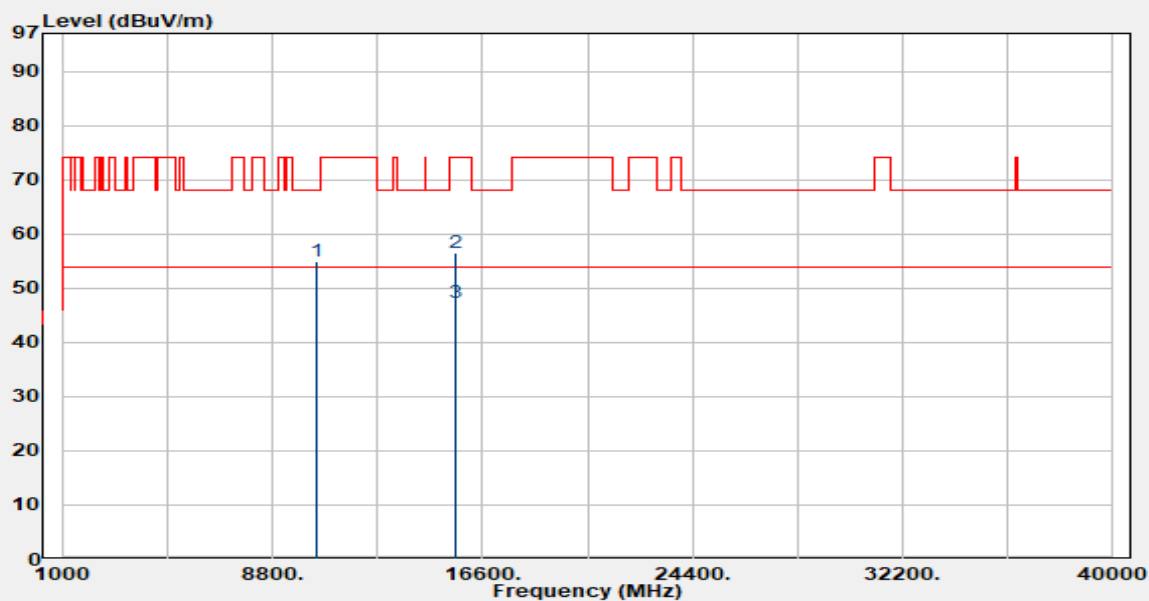
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5200 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10400.000	Peak	34.11	20.96	55.06	68.20	-13.14
15600.000	Peak	32.77	23.79	56.56	74.00	-17.44
15600.000	Average	23.41	23.79	47.20	54.00	-6.80

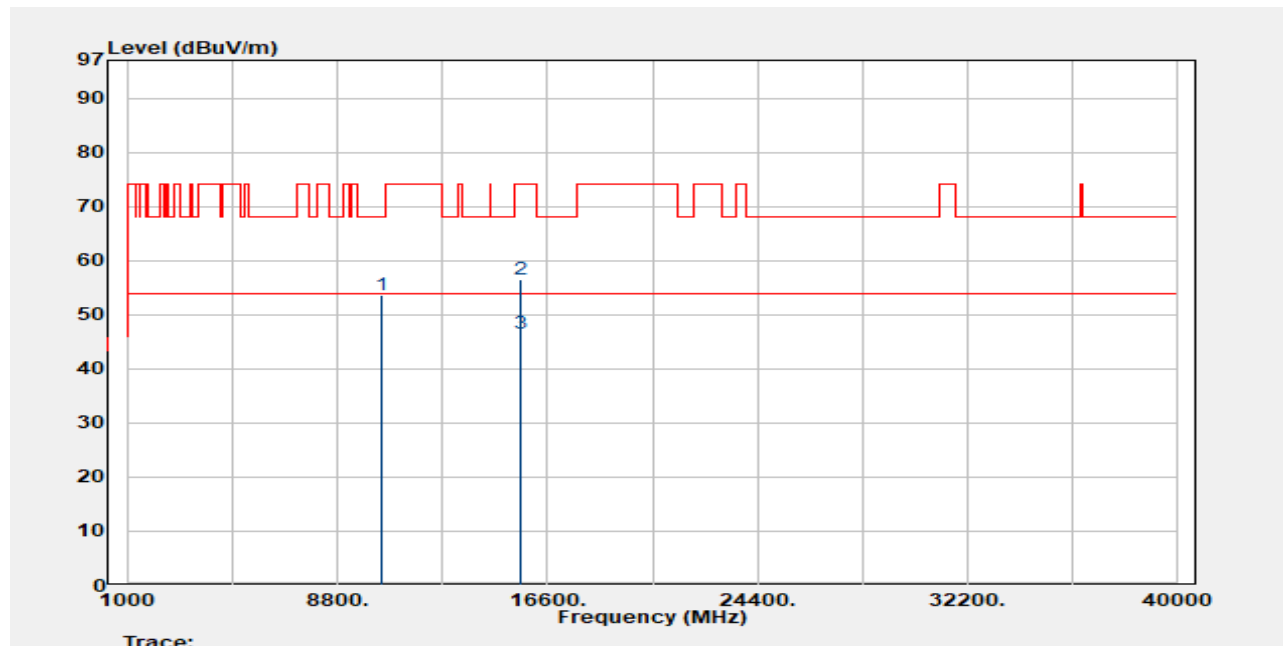
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5200 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10400.000	Peak	33.30	20.39	53.69	68.20	-14.51
15600.000	Peak	33.15	23.35	56.50	74.00	-17.50
15600.000	Average	23.12	23.35	46.47	54.00	-7.53

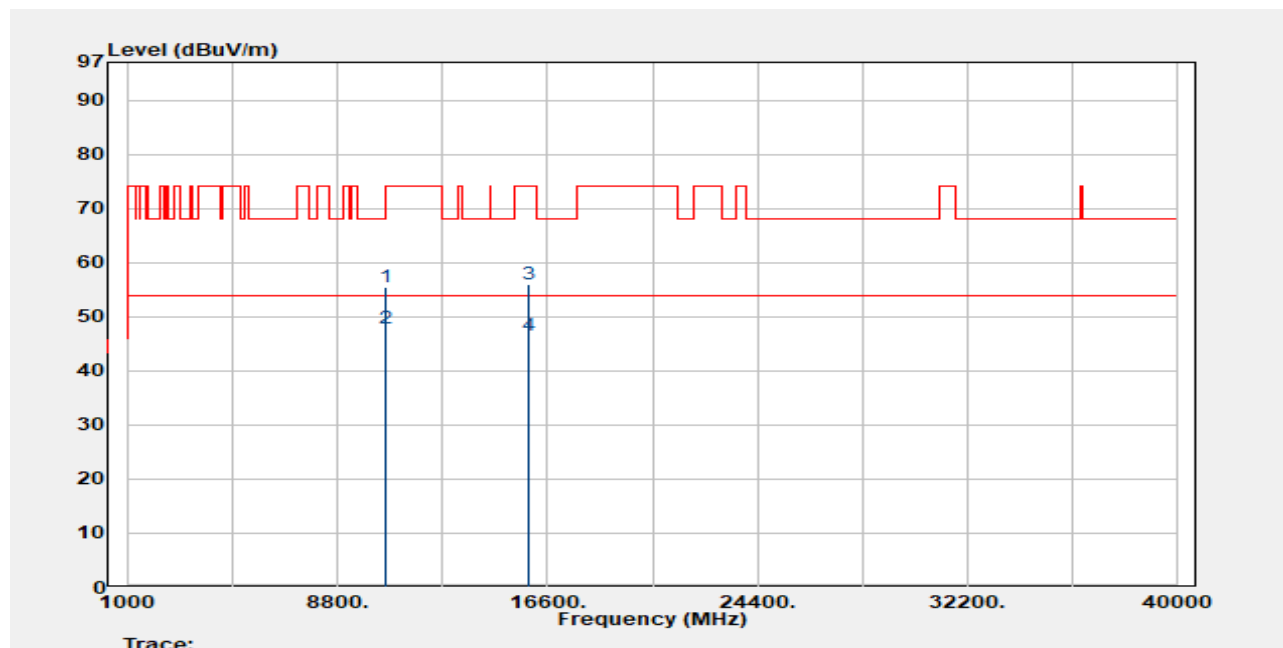
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10600.000	Peak	34.08	21.30	55.38	74.00	-18.62
10600.000	Average	26.55	21.30	47.85	54.00	-6.15
15900.000	Peak	32.97	22.99	55.96	74.00	-18.04
15900.000	Average	23.41	22.99	46.40	54.00	-7.60

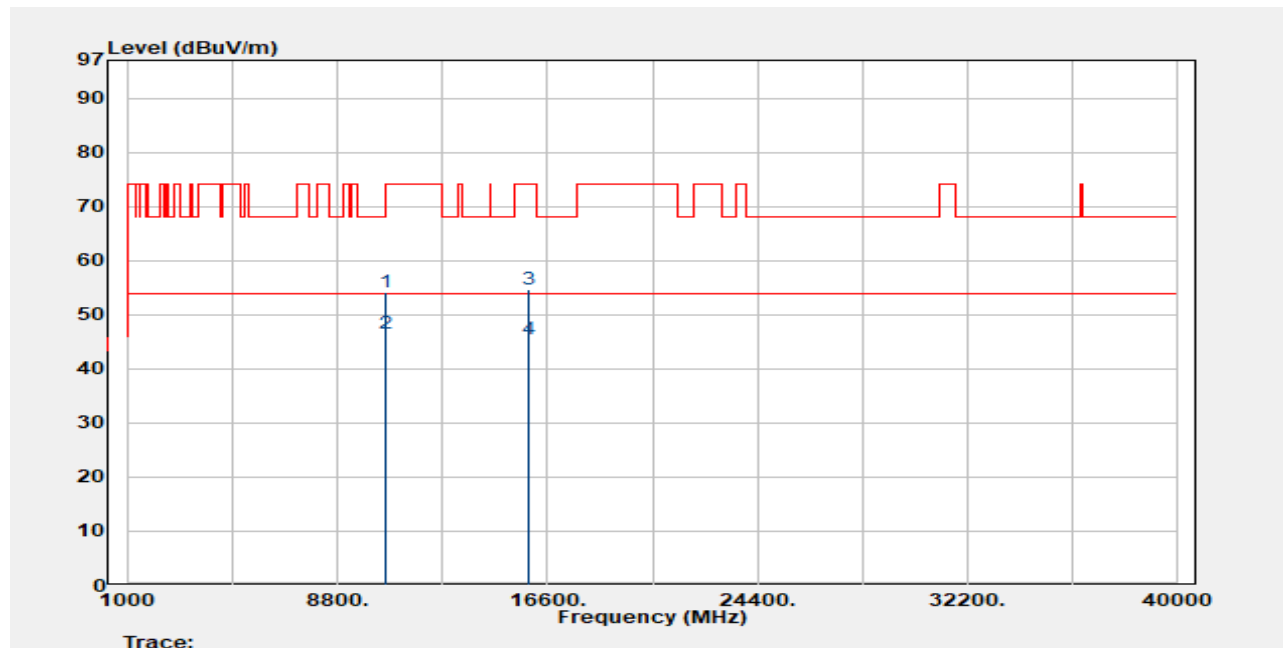
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
10600.000	Peak	33.52	20.66	54.17	74.00	-19.83
10600.000	Average	25.82	20.66	46.48	54.00	-7.52
15900.000	Peak	32.38	22.36	54.74	74.00	-19.26
15900.000	Average	23.15	22.36	45.51	54.00	-8.49

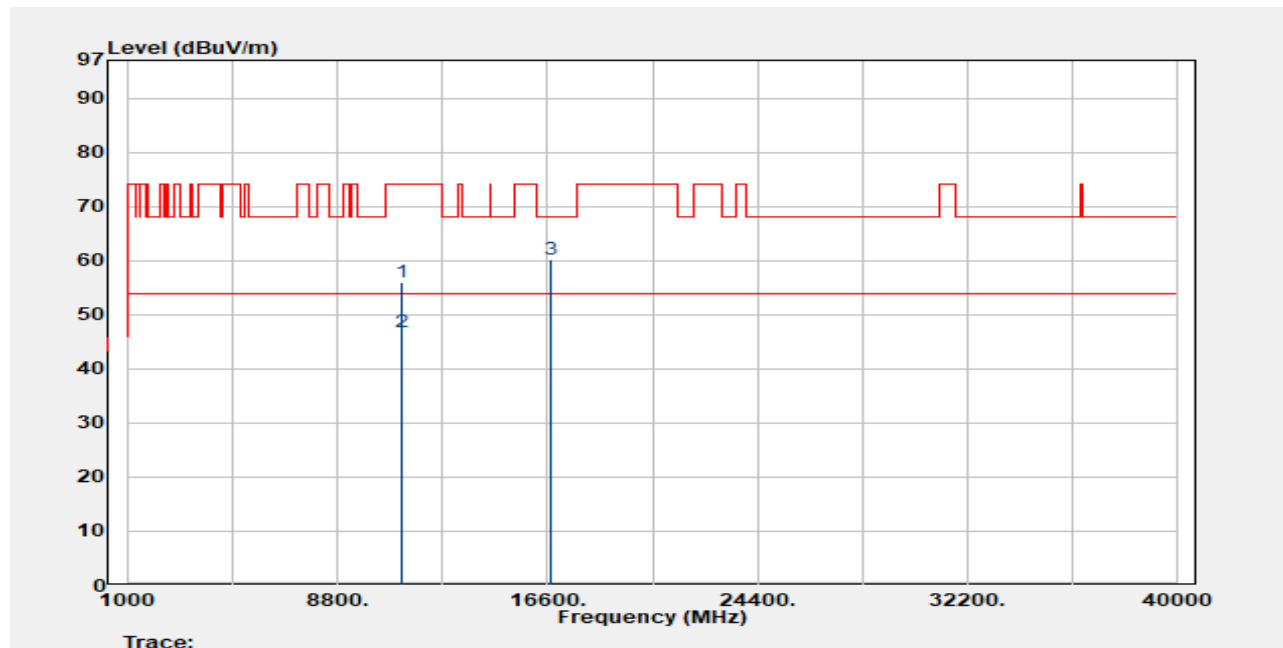
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5580 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11160.000	Peak	33.44	22.52	55.96	74.00	-18.04
11160.000	Average	24.40	22.52	46.92	54.00	-7.08
16740.000	Peak	32.10	28.11	60.22	68.20	-7.98

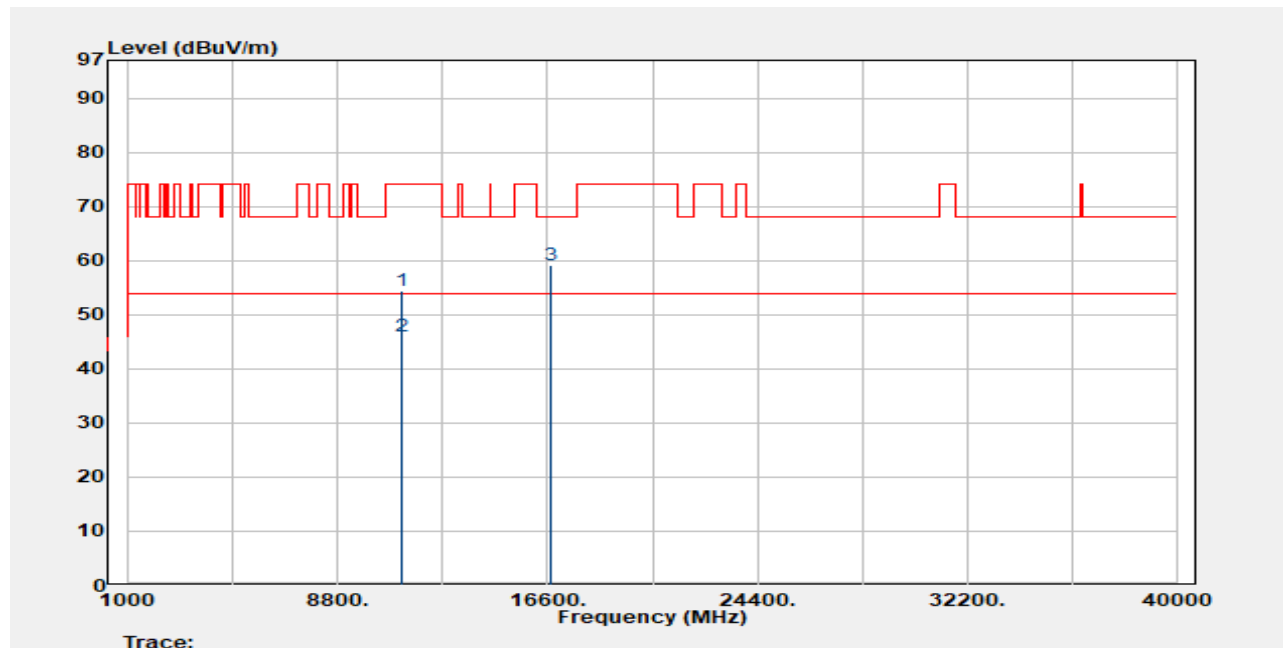
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5580 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11160.000	Peak	32.73	21.80	54.54	74.00	-19.46
11160.000	Average	24.25	21.80	46.05	54.00	-7.95
16740.000	Peak	31.69	27.46	59.15	68.20	-9.05

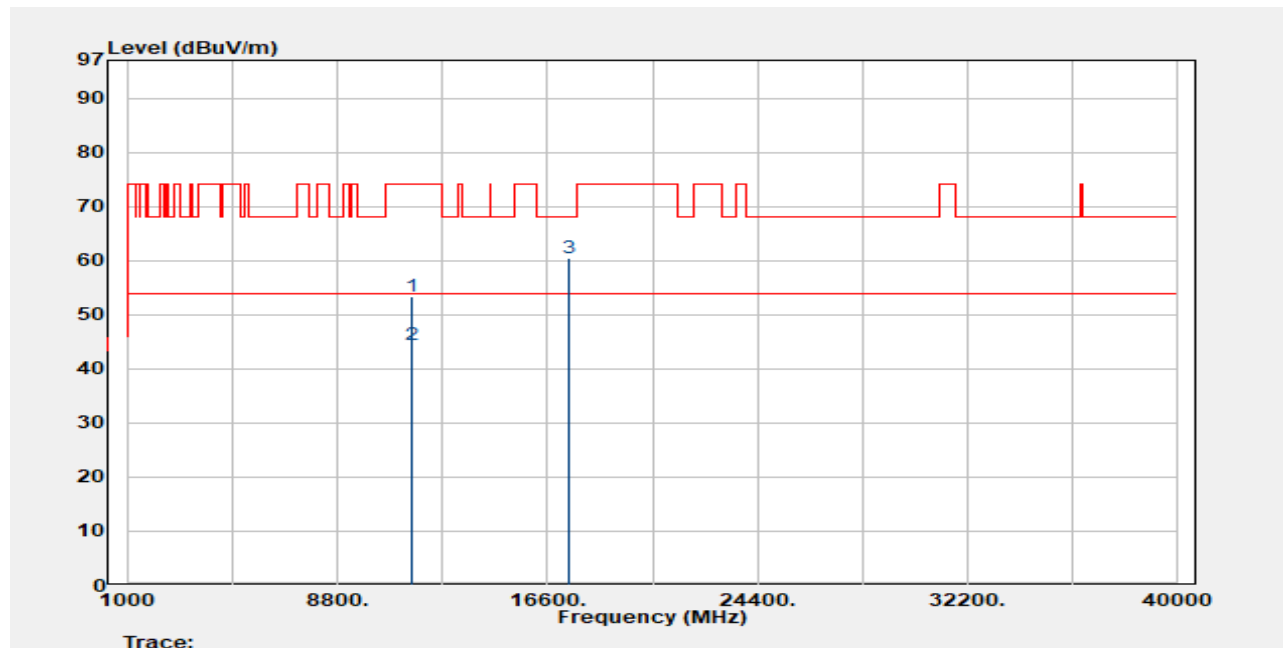
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11570.000	Peak	32.41	20.91	53.32	74.00	-20.68
11570.000	Average	23.43	20.91	44.34	54.00	-9.66
17355.000	Peak	30.97	29.62	60.59	68.20	-7.61

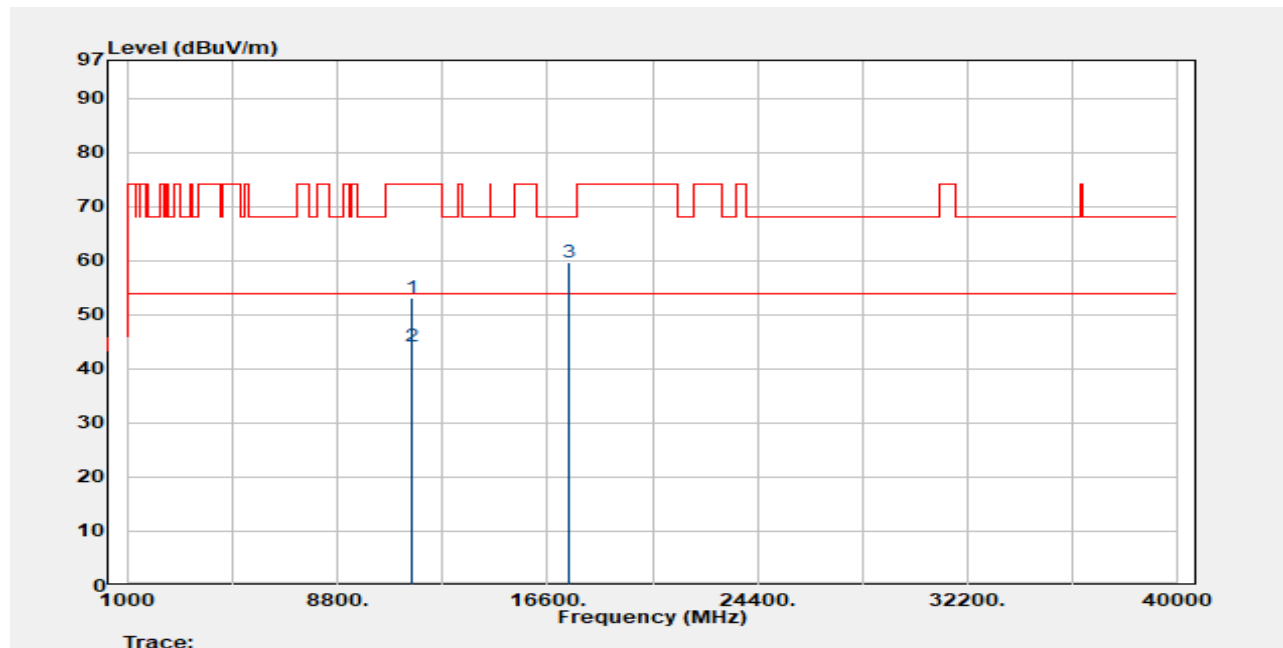
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :NB Plane

Test Site :SAC 3
 Test Date :2022-01-10
 Temp./Humi. :20.5/62
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11570.000	Peak	32.40	20.62	53.02	74.00	-20.98
11570.000	Average	23.50	20.62	44.12	54.00	-9.88
17355.000	Peak	31.43	28.16	59.59	68.20	-8.61

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7.7.2 Band edge falling to restricted band

Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11a

Test Date :2022-01-20

Test Frequency :5180 MHz

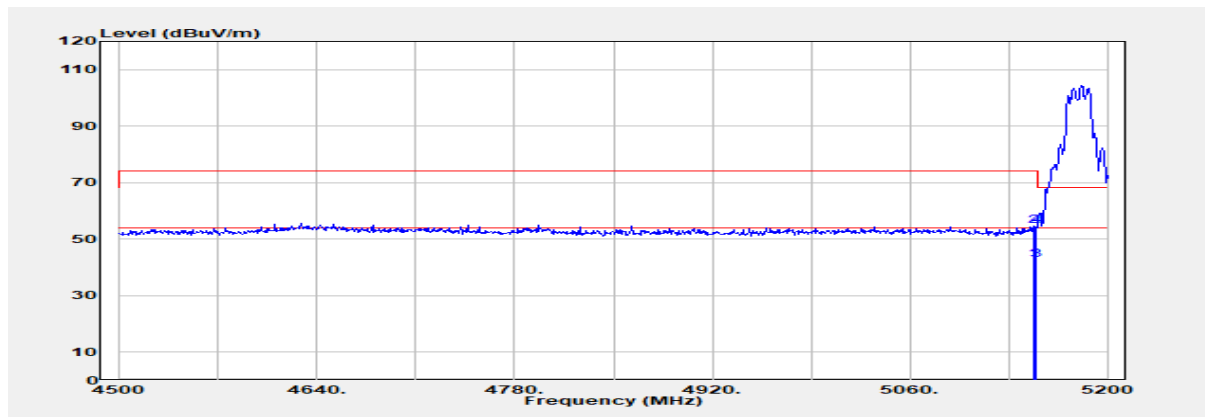
Temp./Humi. :21.7/57

Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5148.200	Average	39.57	2.99	42.55	54.00	-11.45
5148.200	Peak	51.74	2.99	54.73	74.00	-19.27
5150.000	Average	39.44	3.03	42.47	54.00	-11.53
5150.000	Peak	51.65	3.03	54.68	74.00	-19.32

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11a

Test Date :2022-01-20

Test Frequency :5180 MHz

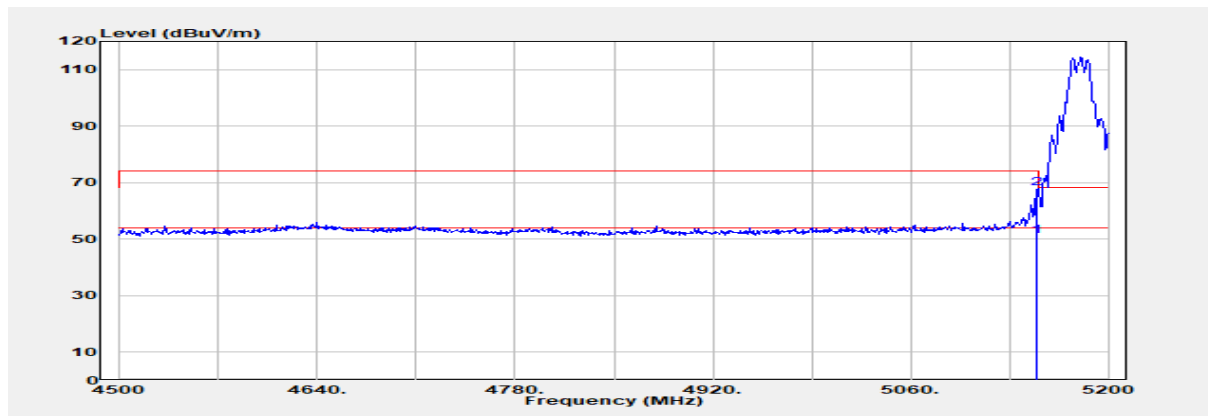
Temp./Humi. :21.7/57

Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5150.000	Average	48.10	3.03	51.13	54.00	-2.87
5150.000	Peak	64.91	3.03	67.94	74.00	-6.06

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11a

Test Date :2022-01-20

Test Frequency :5320 MHz

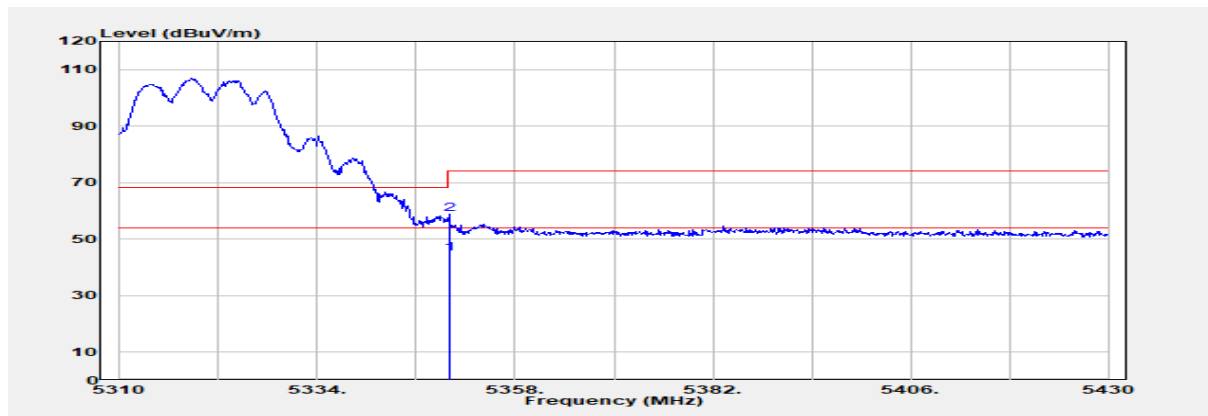
Temp./Humi. :21.7/57

Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.000	Average	42.55	2.21	44.76	54.00	-9.24
5350.000	Peak	56.49	2.21	58.70	74.00	-15.30

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11a

Test Date :2022-01-20

Test Frequency :5320 MHz

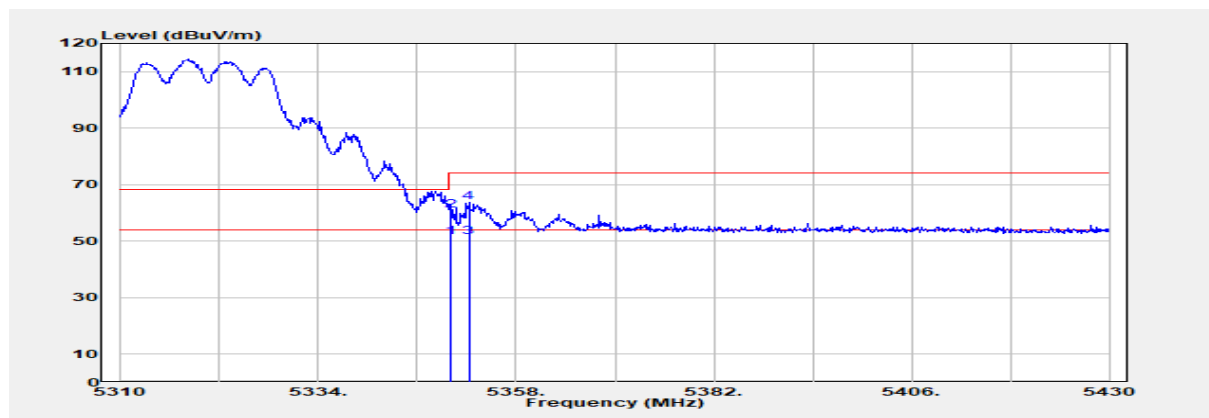
Temp./Humi. :21.7/57

Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	49.04	2.21	51.25	54.00	-2.75
5350.000	Peak	58.69	2.21	60.90	74.00	-13.10
5352.240	Average	49.01	2.21	51.22	54.00	-2.78
5352.240	Peak	61.51	2.21	63.72	74.00	-10.28

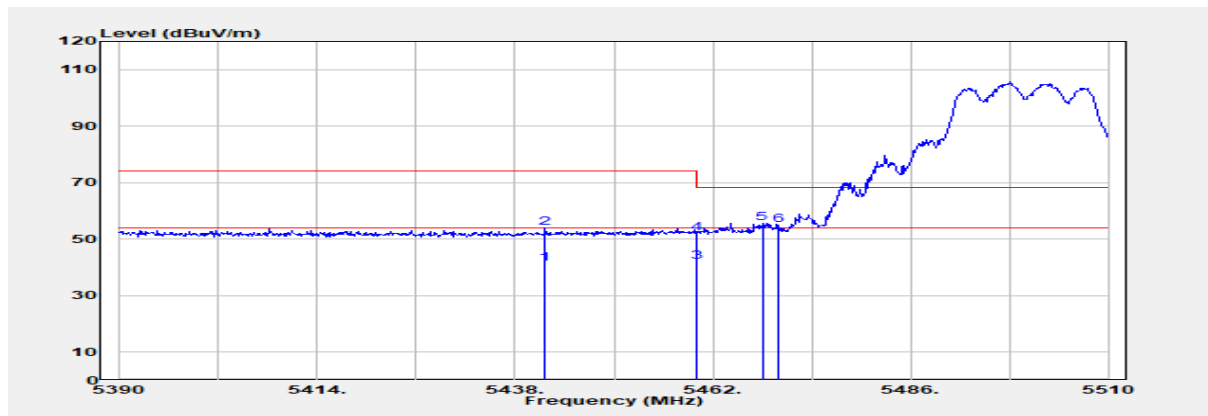
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5500 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.7/57
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5441.600	Average	38.98	2.36	41.33	54.00	-12.67
5441.600	Peak	51.55	2.36	53.90	74.00	-20.10
5460.000	Average	39.20	2.64	41.84	54.00	-12.16
5460.000	Peak	49.35	2.64	51.99	74.00	-22.01
5468.000	Peak	52.93	2.74	55.67	68.20	-12.53
5470.000	Peak	52.28	2.77	55.05	68.20	-13.15

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11a

Test Date :2022-01-20

Test Frequency :5500 MHz

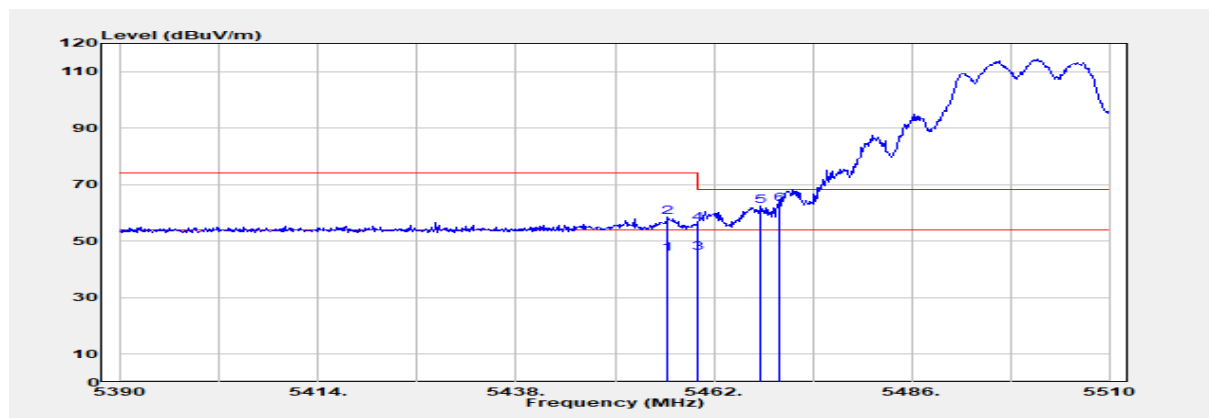
Temp./Humi. :21.7/57

Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5456.360	Average	42.97	2.63	45.60	54.00	-8.40
5456.360	Peak	55.88	2.63	58.50	74.00	-15.50
5460.000	Average	43.29	2.64	45.93	54.00	-8.07
5460.000	Peak	53.59	2.64	56.23	74.00	-17.77
5467.760	Peak	59.80	2.74	62.54	68.20	-5.66
5470.000	Peak	60.46	2.77	63.23	68.20	-4.97

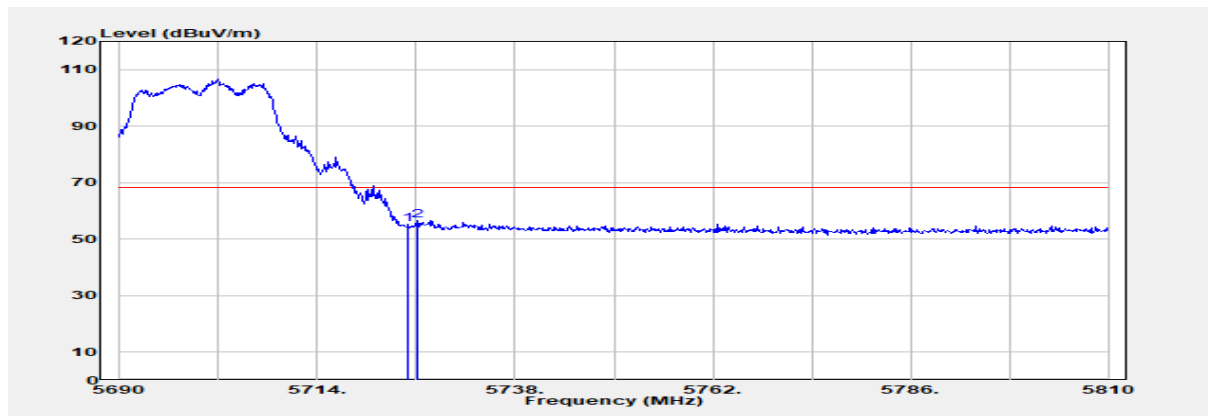
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5700 MHz
 Test Mode :BE CH HIGH
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.7/57
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	51.13	4.21	55.34	68.20	-12.86
5726.120	Peak	52.26	4.22	56.48	68.20	-11.72

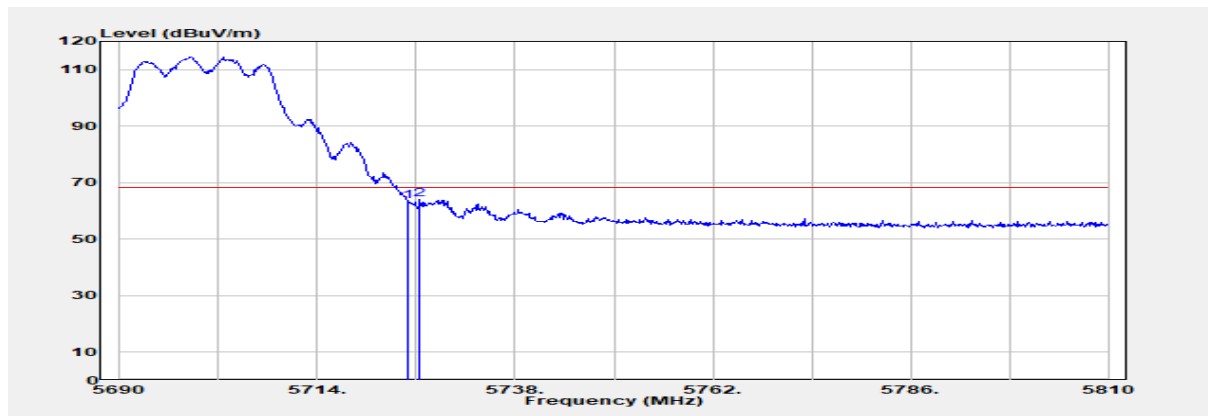
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5700 MHz
 Test Mode :BE CH HIGH
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.7/57
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5725.000	Peak	59.17	4.21	63.38	68.20	-4.82
5726.360	Peak	59.74	4.22	63.96	68.20	-4.24

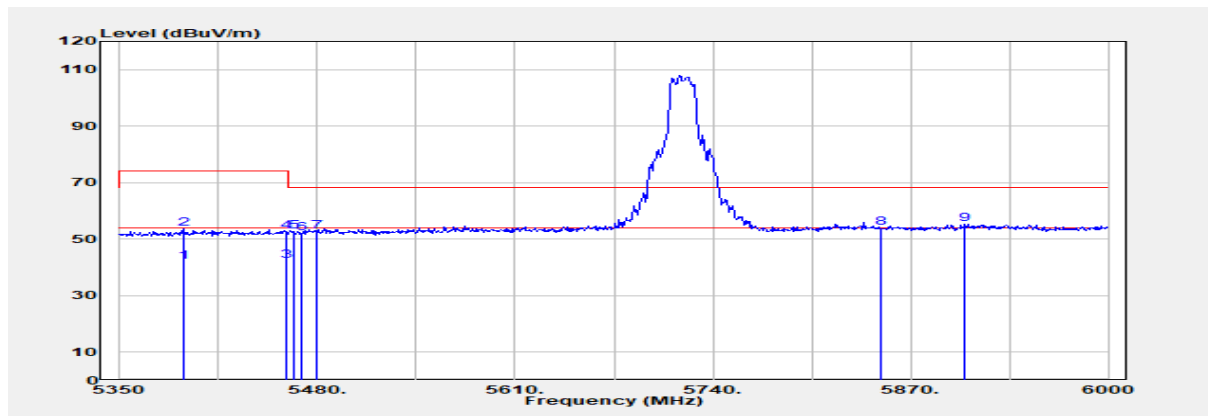
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5720 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.7/57
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5392.250	Average	39.47	2.60	42.07	54.00	-11.93
5392.250	Peak	50.92	2.60	53.52	74.00	-20.48
5460.000	Average	39.48	2.64	42.12	54.00	-11.88
5460.000	Peak	50.17	2.64	52.81	74.00	-21.19
5465.050	Peak	50.00	2.71	52.71	68.20	-15.49
5470.000	Peak	49.41	2.77	52.18	68.20	-16.02
5480.000	Peak	50.07	2.76	52.83	68.20	-15.37
5850.000	Peak	49.62	4.31	53.93	68.20	-14.27
5905.750	Peak	51.09	4.25	55.34	68.20	-12.86

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11a

Test Date :2022-01-20

Test Frequency :5720 MHz

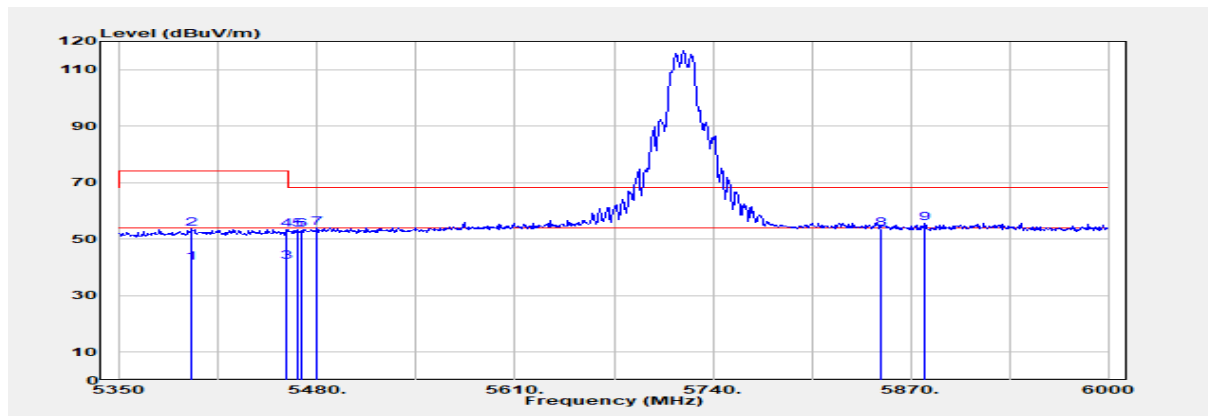
Temp./Humi. :21.7/57

Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5397.450	Average	39.22	2.56	41.78	54.00	-12.22
5397.450	Peak	51.14	2.56	53.70	74.00	-20.30
5460.000	Average	39.46	2.64	42.10	54.00	-11.90
5460.000	Peak	50.70	2.64	53.34	74.00	-20.66
5467.000	Peak	50.76	2.73	53.49	68.20	-14.71
5470.000	Peak	50.51	2.77	53.28	68.20	-14.92
5480.000	Peak	51.16	2.76	53.92	68.20	-14.28
5850.000	Peak	49.40	4.31	53.71	68.20	-14.49
5879.750	Peak	51.84	3.84	55.68	68.20	-12.52

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11a

Test Date :2022-01-20

Test Frequency :5745 MHz

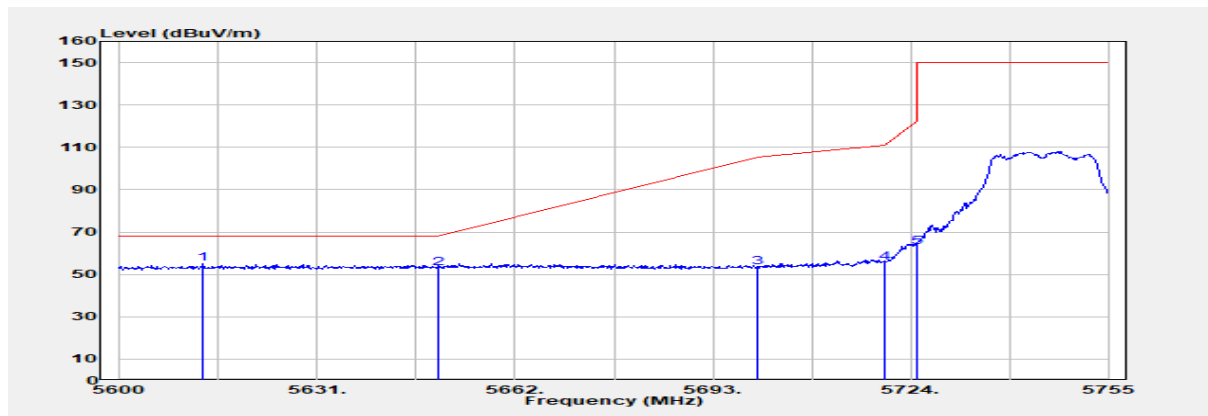
Temp./Humi. :21.7/57

Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5613.020	Peak	51.60	3.38	54.97	68.20	-13.23
5650.000	Peak	49.18	3.60	52.78	68.20	-15.42
5700.000	Peak	50.07	3.31	53.38	105.20	-51.82
5720.000	Peak	51.46	4.17	55.63	110.80	-55.17
5725.000	Peak	58.68	4.21	62.89	122.20	-59.31

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11a

Test Date :2022-01-20

Test Frequency :5745 MHz

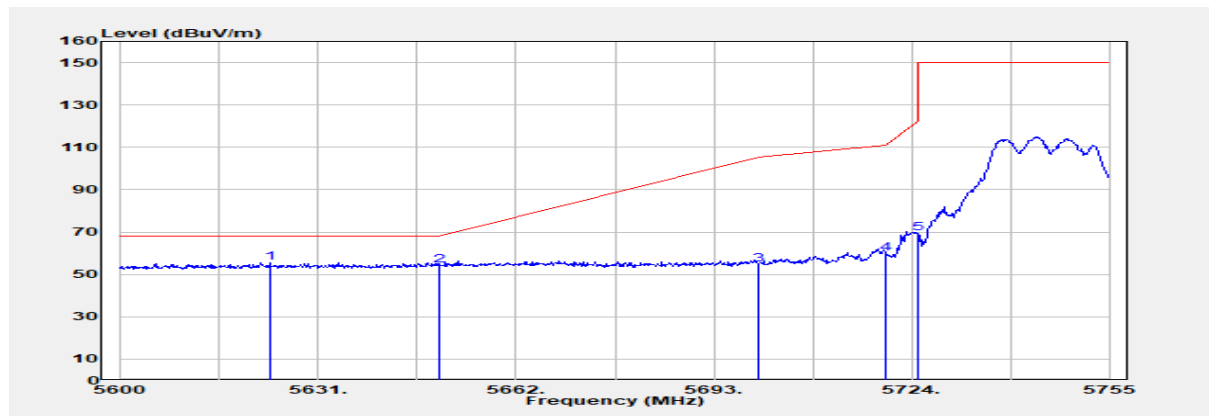
Temp./Humi. :21.7/57

Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5623.405	Peak	52.09	3.46	55.54	68.20	-12.66
5650.000	Peak	50.49	3.60	54.09	68.20	-14.11
5700.000	Peak	51.32	3.31	54.63	105.20	-50.57
5720.000	Peak	55.66	4.17	59.83	110.80	-50.97
5725.000	Peak	65.09	4.21	69.30	122.20	-52.90

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11a

Test Date :2022-01-20

Test Frequency :5825 MHz

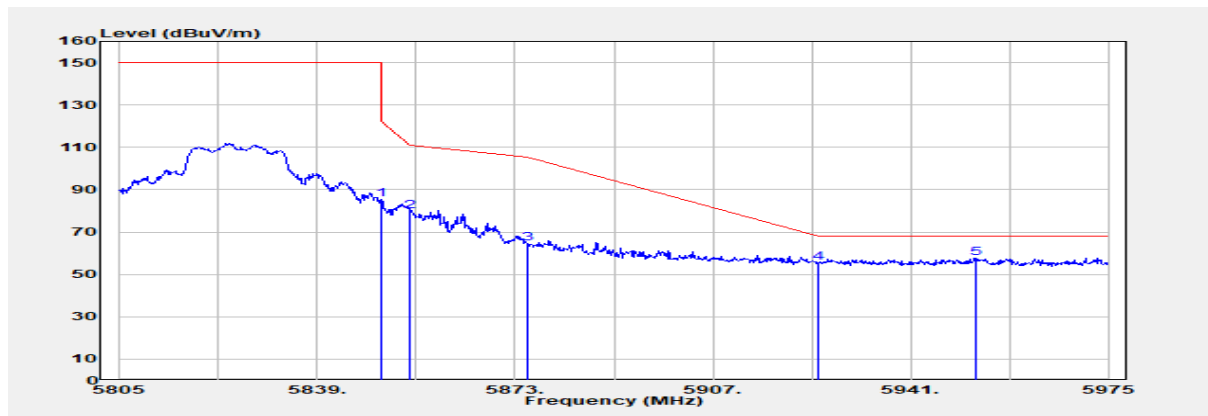
Temp./Humi. :21.7/57

Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	81.30	4.31	85.61	122.20	-36.59
5855.000	Peak	75.38	4.21	79.59	110.80	-31.21
5875.000	Peak	60.57	3.90	64.47	105.20	-40.73
5925.000	Peak	51.04	4.36	55.40	68.20	-12.80
5952.220	Peak	53.82	3.99	57.81	68.20	-10.39

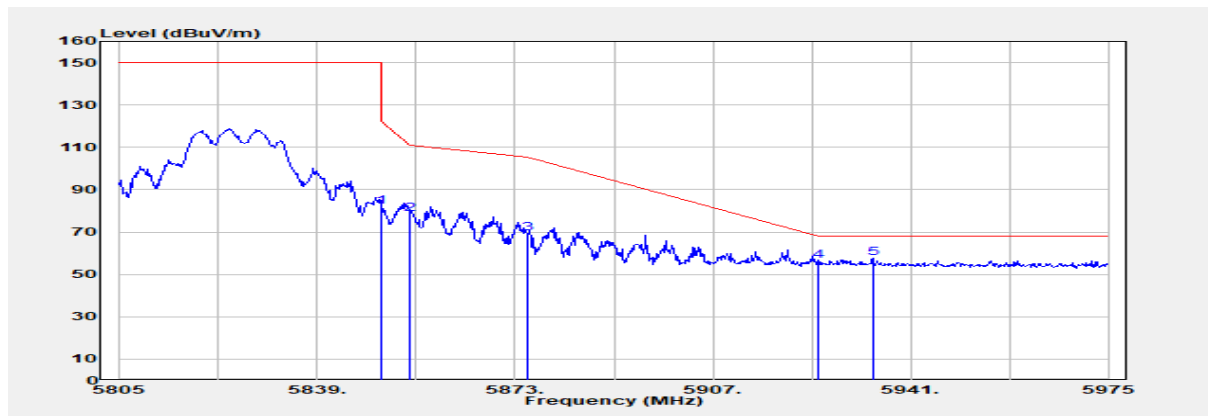
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Report Number :ER/2021/C0065
 Operation Mode :802.11a
 Test Frequency :5825 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.7/57
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	77.56	4.31	81.87	122.20	-40.33
5855.000	Peak	74.44	4.21	78.65	110.80	-32.15
5875.000	Peak	65.28	3.90	69.18	105.20	-36.02
5925.000	Peak	51.90	4.36	56.26	68.20	-11.94
5934.540	Peak	53.52	4.24	57.76	68.20	-10.44

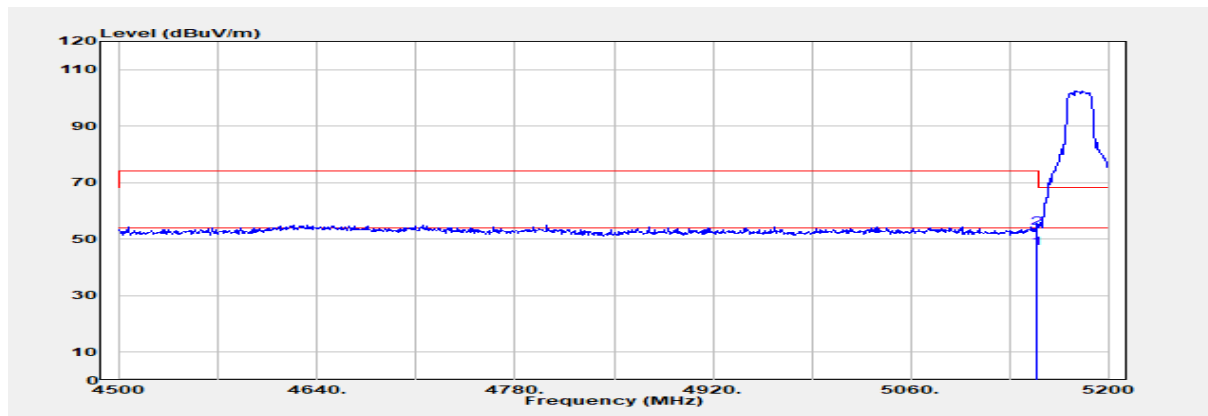
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac20
 Test Frequency :5180 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.4/52
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.000	Average	43.93	3.03	46.96	54.00	-7.04
5150.000	Peak	50.87	3.03	53.90	74.00	-20.10

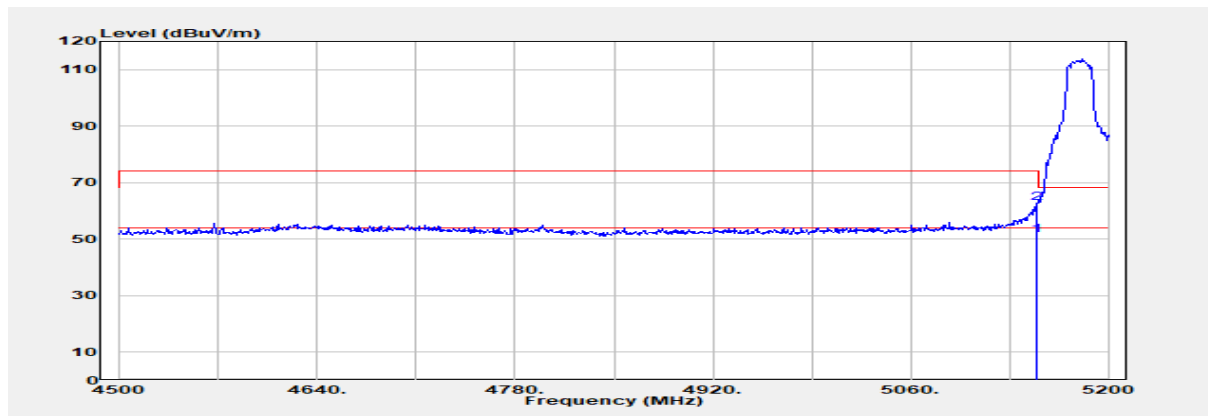
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac20
 Test Frequency :5180 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.4/52
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5150.000	Average	48.45	3.03	51.48	54.00	-2.53
5150.000	Peak	59.71	3.03	62.74	74.00	-11.26

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac20

Test Date :2022-01-20

Test Frequency :5320 MHz

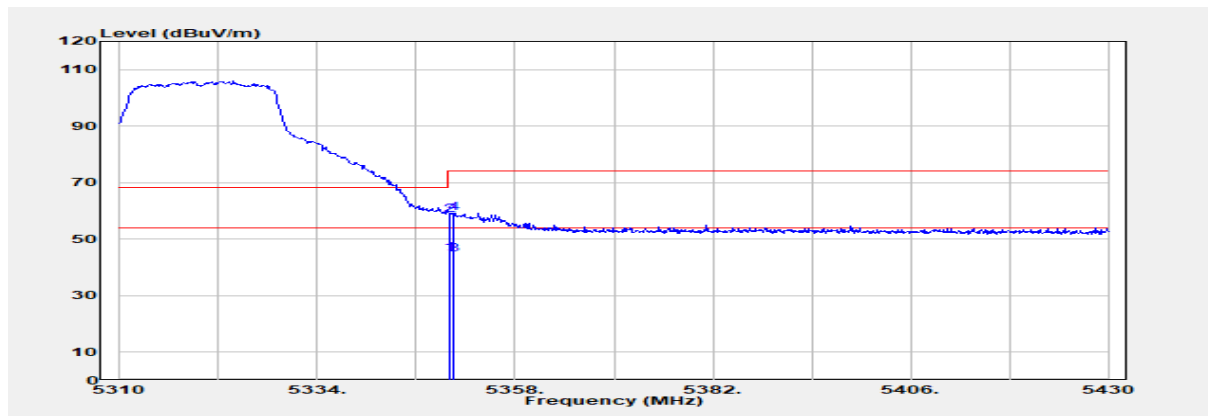
Temp./Humi. :21.4/52

Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	42.55	2.21	44.76	54.00	-9.24
5350.000	Peak	56.46	2.21	58.67	74.00	-15.33
5350.560	Average	42.24	2.21	44.45	54.00	-9.55
5350.560	Peak	57.03	2.21	59.24	74.00	-14.76

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac20

Test Date :2022-01-20

Test Frequency :5320 MHz

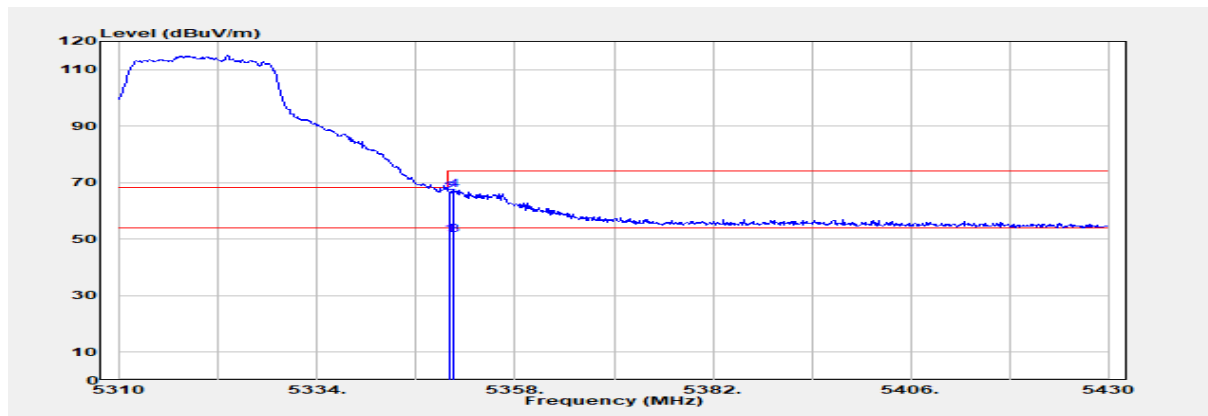
Temp./Humi. :21.4/52

Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	49.09	2.21	51.30	54.00	-2.70
5350.000	Peak	64.08	2.21	66.29	74.00	-7.71
5350.560	Average	49.13	2.21	51.34	54.00	-2.66
5350.560	Peak	65.03	2.21	67.24	74.00	-6.76

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac20

Test Date :2022-01-20

Test Frequency :5500 MHz

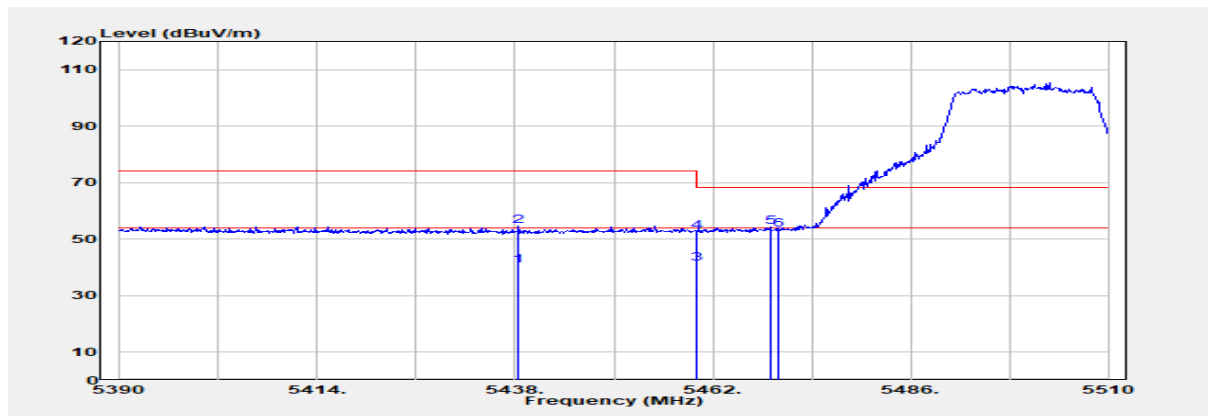
Temp./Humi. :21.4/52

Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5438.360	Average	38.20	2.32	40.52	54.00	-13.48
5438.360	Peak	52.17	2.32	54.49	74.00	-19.51
5460.000	Average	38.69	2.64	41.33	54.00	-12.67
5460.000	Peak	50.10	2.64	52.74	74.00	-21.26
5468.960	Peak	51.61	2.76	54.36	68.20	-13.84
5470.000	Peak	50.55	2.77	53.32	68.20	-14.88

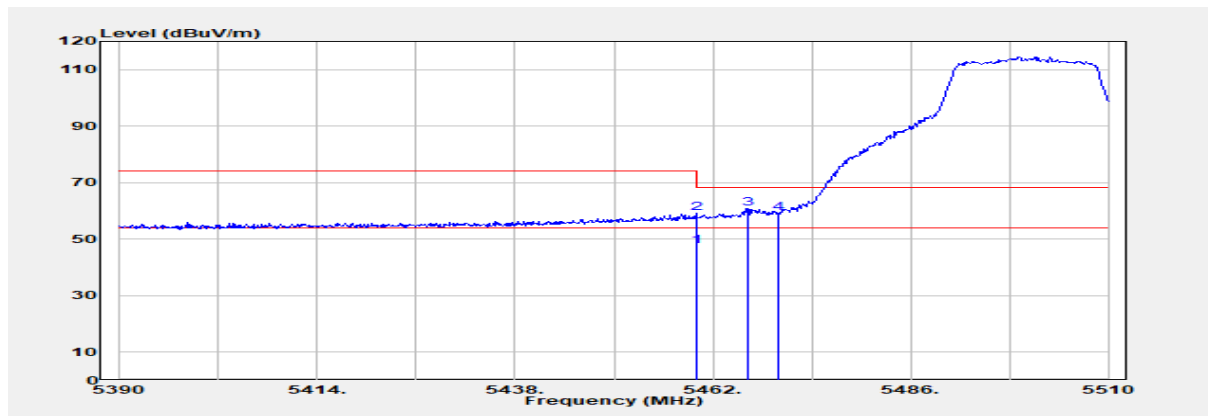
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac20
 Test Frequency :5500 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.4/52
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5460.000	Average	44.84	2.64	47.48	54.00	-6.52
5460.000	Peak	56.41	2.64	59.05	74.00	-14.95
5466.320	Peak	58.20	2.72	60.92	68.20	-7.28
5470.000	Peak	56.33	2.77	59.10	68.20	-9.10

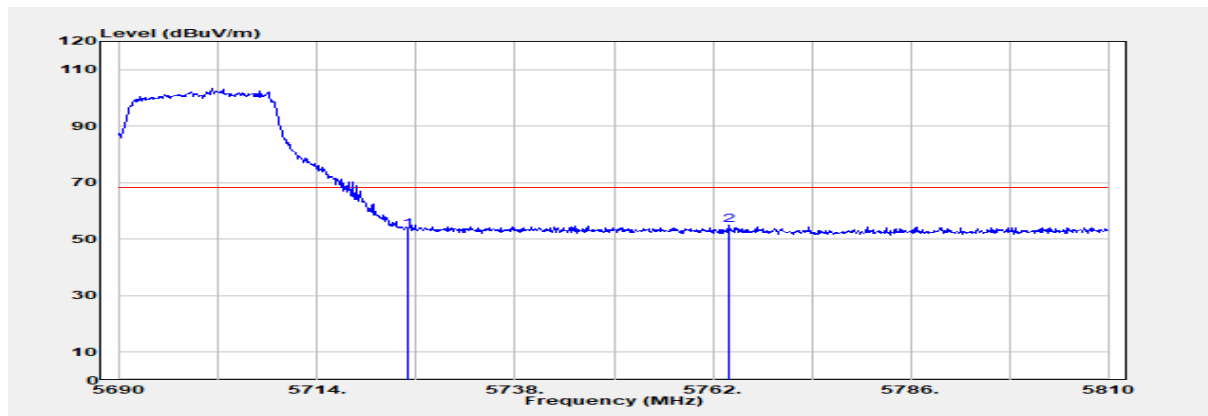
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac20
 Test Frequency :5700 MHz
 Test Mode :BE CH HIGH
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.4/52
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	48.98	4.21	53.19	68.20	-15.01
5763.920	Peak	50.99	4.07	55.06	68.20	-13.14

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac20

Test Date :2022-01-20

Test Frequency :5700 MHz

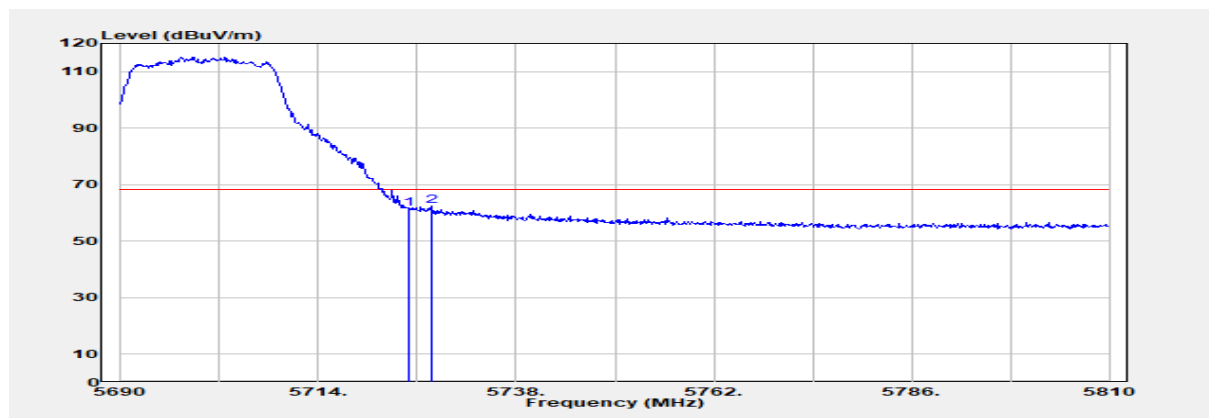
Temp./Humi. :21.4/52

Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5725.000	Peak	57.18	4.21	61.39	68.20	-6.81
5727.680	Peak	58.12	4.23	62.35	68.20	-5.85

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac20

Test Date :2022-01-20

Test Frequency :5720 MHz

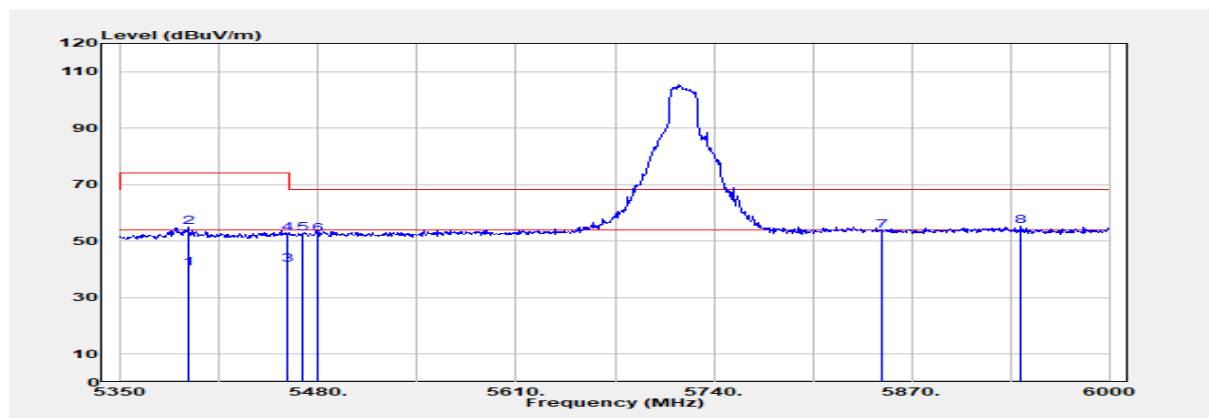
Temp./Humi. :21.4/52

Test Mode :BE CH MID

Antenna Pol. :Vertical

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5394.200	Average	37.86	2.59	40.45	54.00	-13.55
5394.200	Peak	52.30	2.59	54.89	74.00	-19.11
5460.000	Average	39.03	2.64	41.67	54.00	-12.33
5460.000	Peak	50.11	2.64	52.75	74.00	-21.25
5470.000	Peak	49.96	2.77	52.73	68.20	-15.47
5480.000	Peak	49.49	2.76	52.25	68.20	-15.95
5850.000	Peak	49.20	4.31	53.51	68.20	-14.69
5942.150	Peak	51.25	4.11	55.36	68.20	-12.84

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac20

Test Date :2022-01-20

Test Frequency :5720 MHz

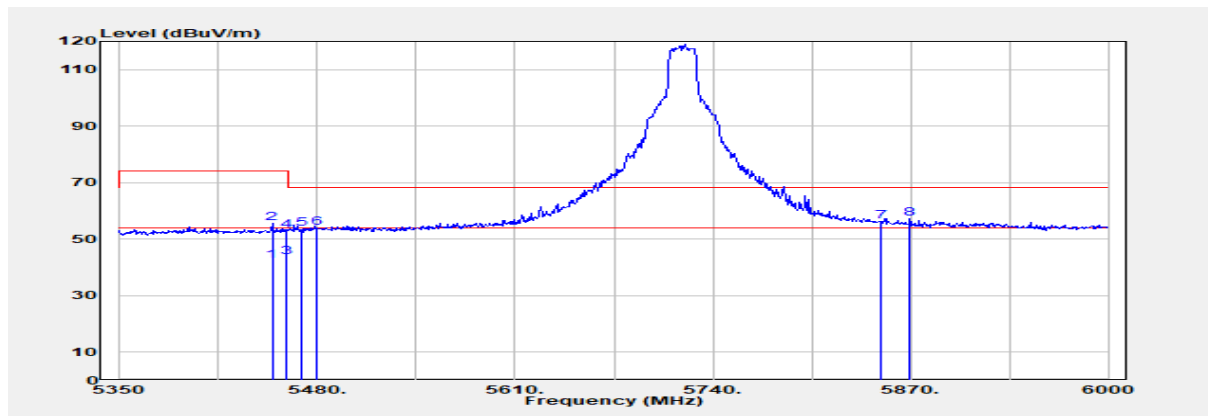
Temp./Humi. :21.4/52

Test Mode :BE CH MID

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5450.100	Average	39.71	2.60	42.31	54.00	-11.69
5450.100	Peak	52.95	2.60	55.55	74.00	-18.45
5460.000	Average	40.78	2.64	43.42	54.00	-10.58
5460.000	Peak	50.48	2.64	53.12	74.00	-20.88
5470.000	Peak	50.91	2.77	53.68	68.20	-14.52
5480.000	Peak	51.30	2.76	54.06	68.20	-14.14
5850.000	Peak	51.95	4.31	56.26	68.20	-11.94
5869.350	Peak	53.24	3.97	57.21	68.20	-10.99

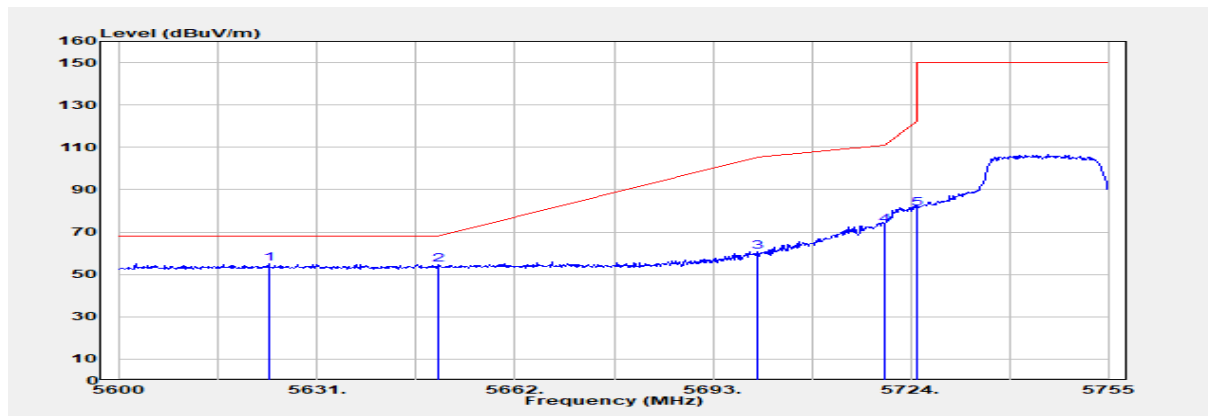
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac20
 Test Frequency :5745 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.4/52
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5623.405	Peak	51.57	3.46	55.02	68.20	-13.18
5650.000	Peak	50.95	3.60	54.55	68.20	-13.65
5700.000	Peak	57.20	3.31	60.51	105.20	-44.69
5720.000	Peak	69.25	4.17	73.42	110.80	-37.38
5725.000	Peak	77.09	4.21	81.30	122.20	-40.90

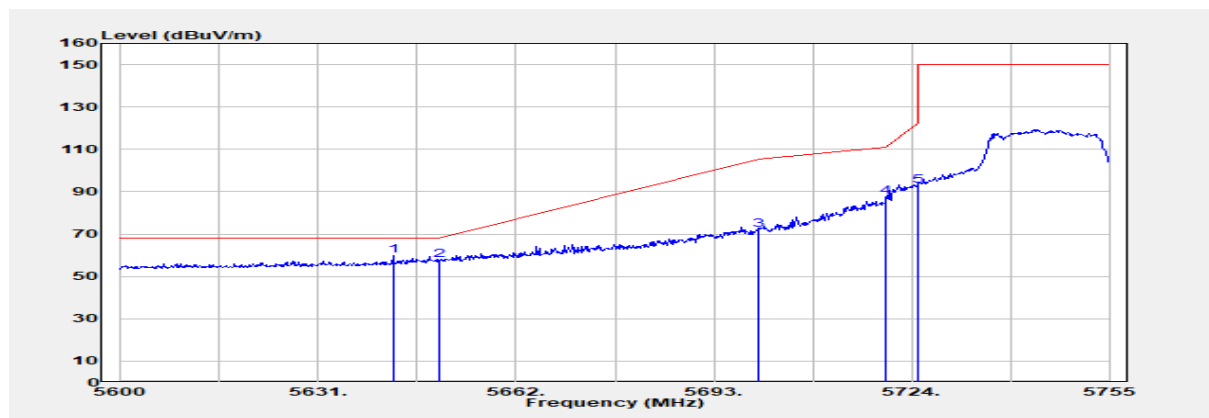
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac20
 Test Frequency :5745 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.4/52
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5642.780	Peak	56.43	3.46	59.89	68.20	-8.31
5650.000	Peak	53.91	3.60	57.51	68.20	-10.69
5700.000	Peak	68.50	3.31	71.81	105.20	-33.39
5720.000	Peak	83.24	4.17	87.41	110.80	-23.39
5725.000	Peak	88.51	4.21	92.72	122.20	-29.48

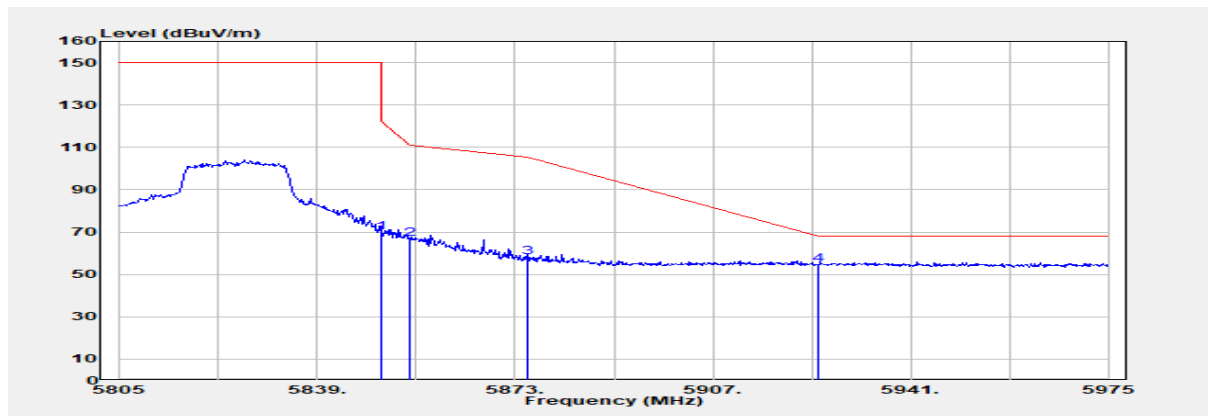
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac20
 Test Frequency :5825 MHz
 Test Mode :BE CH HIGH
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	65.43	4.31	69.74	122.20	-52.46
5855.000	Peak	62.48	4.21	66.69	110.80	-44.11
5875.000	Peak	54.25	3.90	58.15	105.20	-47.05
5925.000	Peak	50.07	4.36	54.43	68.20	-13.77

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac20

Test Date :2022-01-20

Test Frequency :5825 MHz

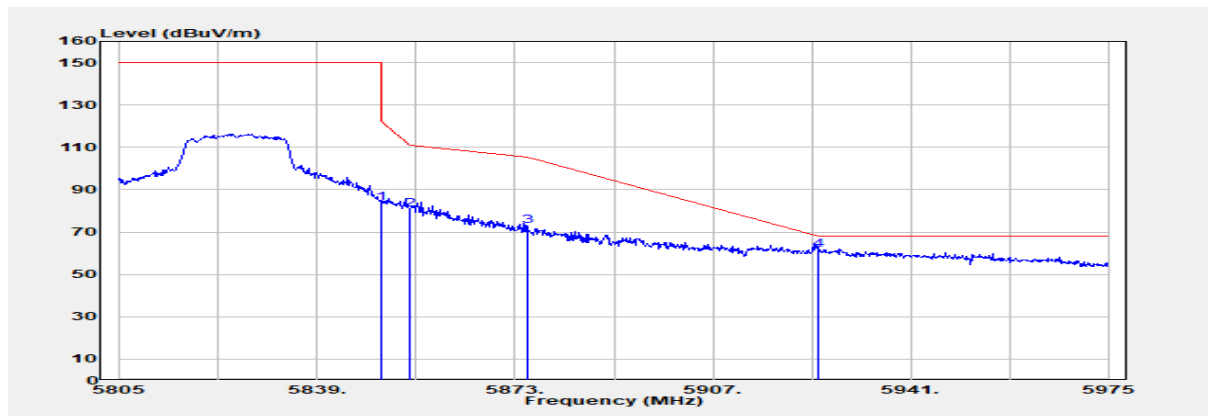
Temp./Humi. :21.4/52

Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5850.000	Peak	79.53	4.31	83.84	122.20	-38.36
5855.000	Peak	76.25	4.21	80.46	110.80	-30.34
5875.000	Peak	68.76	3.90	72.66	105.20	-32.54
5925.000	Peak	57.17	4.36	61.52	68.20	-6.68

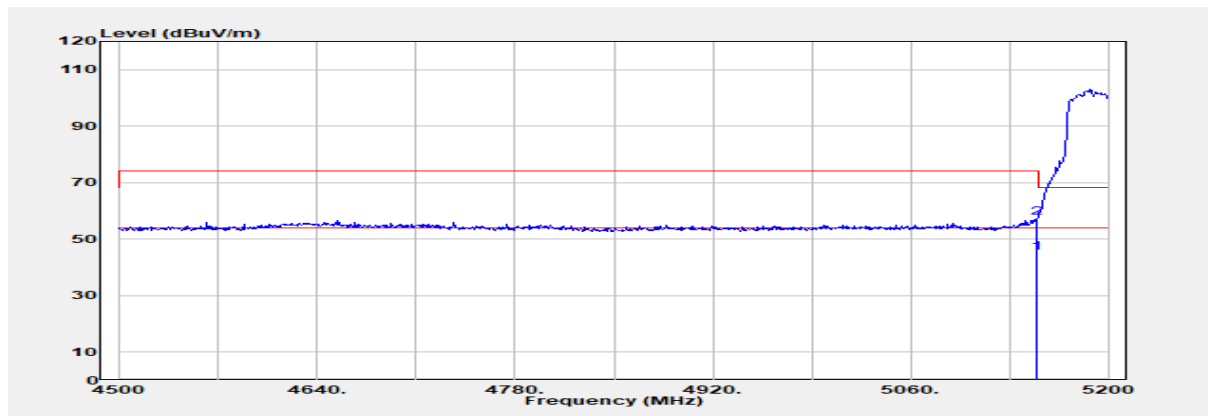
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac40
 Test Frequency :5190 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.000	Average	42.32	3.03	45.35	54.00	-8.65
5150.000	Peak	54.69	3.03	57.72	74.00	-16.28

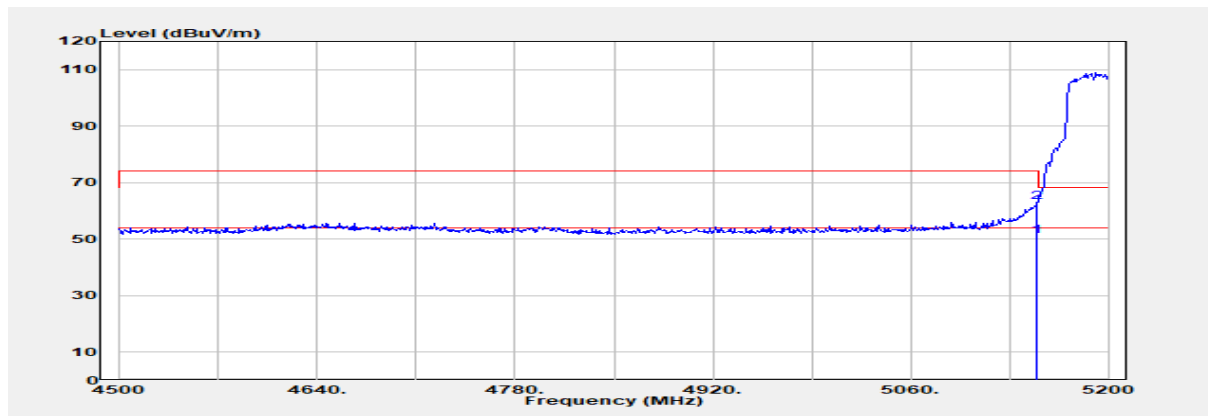
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac40
 Test Frequency :5190 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5150.000	Average	48.11	3.03	51.14	54.00	-2.86
5150.000	Peak	59.92	3.03	62.95	74.00	-11.05

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac40

Test Date :2022-01-20

Test Frequency :5310 MHz

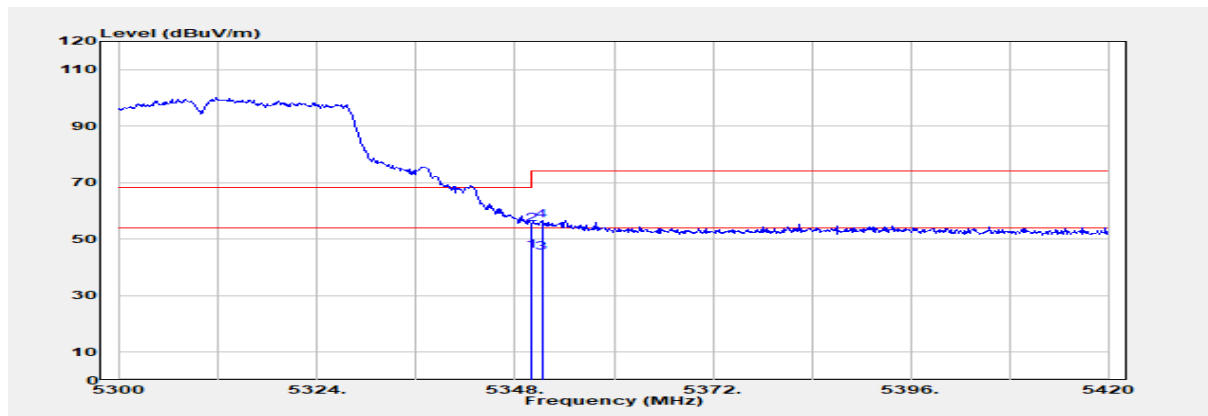
Temp./Humi. :23.2/45

Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.000	Average	43.51	2.21	45.72	54.00	-8.28
5350.000	Peak	52.95	2.21	55.16	74.00	-18.84
5351.240	Average	42.97	2.21	45.18	54.00	-8.82
5351.240	Peak	54.38	2.21	56.59	74.00	-17.41

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac40

Test Date :2022-01-20

Test Frequency :5310 MHz

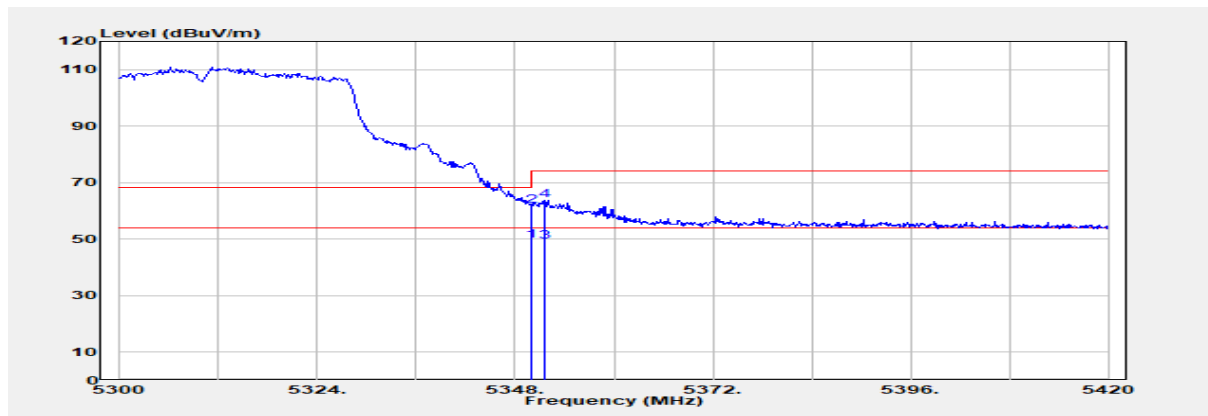
Temp./Humi. :23.2/45

Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	47.30	2.21	49.51	54.00	-4.49
5350.000	Peak	59.64	2.21	61.85	74.00	-12.15
5351.600	Average	46.96	2.21	49.17	54.00	-4.83
5351.600	Peak	61.58	2.21	63.79	74.00	-10.21

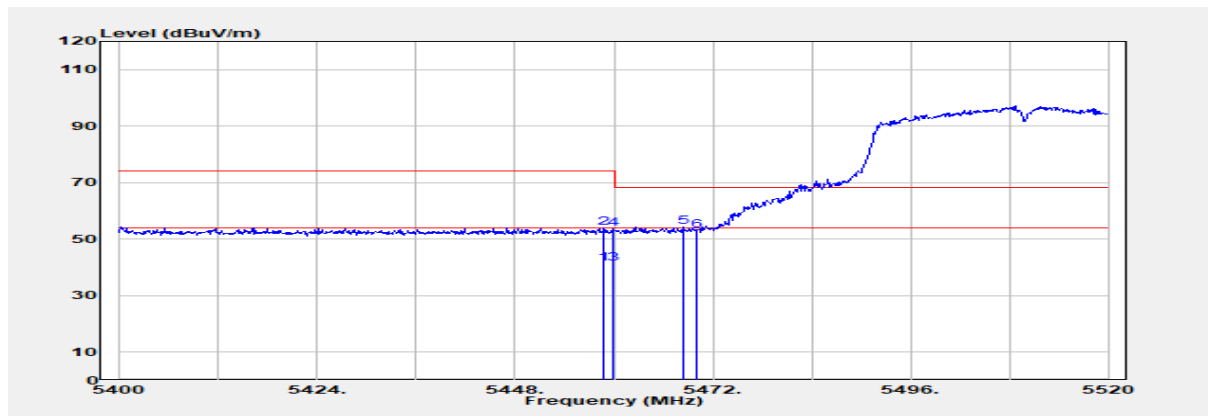
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac40
 Test Frequency :5510 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5458.800	Average	38.52	2.64	41.15	54.00	-12.85
5458.800	Peak	51.47	2.64	54.11	74.00	-19.89
5460.000	Average	38.63	2.64	41.27	54.00	-12.73
5460.000	Peak	50.87	2.64	53.51	74.00	-20.49
5468.400	Peak	51.68	2.75	54.43	68.20	-13.77
5470.000	Peak	50.27	2.77	53.04	68.20	-15.16

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac40

Test Date :2022-01-20

Test Frequency :5510 MHz

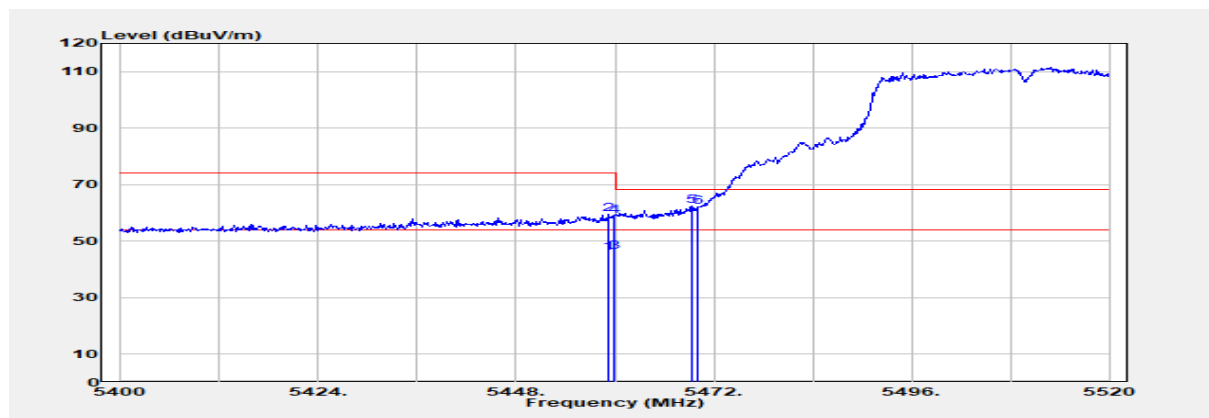
Temp./Humi. :23.2/45

Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5459.280	Average	43.28	2.64	45.92	54.00	-8.08
5459.280	Peak	56.84	2.64	59.48	74.00	-14.52
5460.000	Average	43.49	2.64	46.13	54.00	-7.87
5460.000	Peak	56.22	2.64	58.86	74.00	-15.14
5469.240	Peak	59.63	2.76	62.39	68.20	-5.81
5470.000	Peak	59.45	2.77	62.22	68.20	-5.98

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac40

Test Date :2022-01-20

Test Frequency :5670 MHz

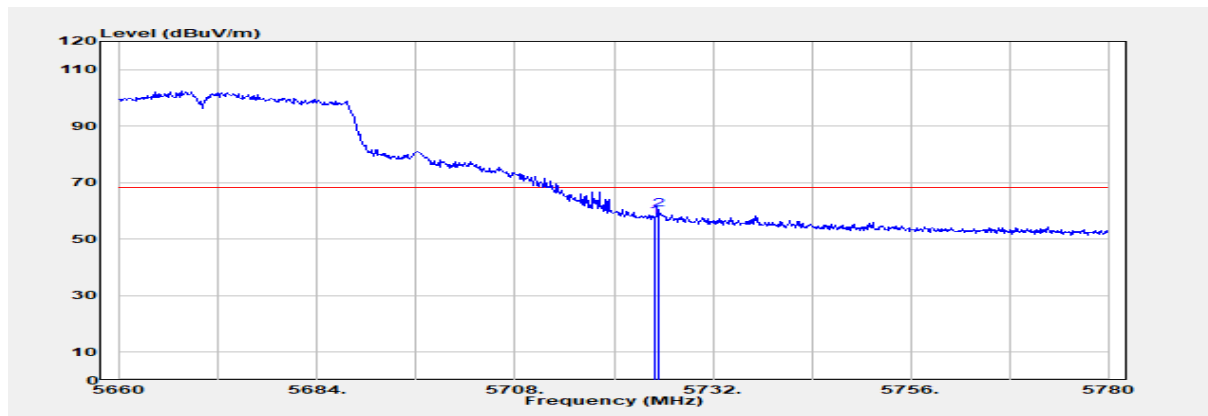
Temp./Humi. :23.2/45

Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	53.61	4.21	57.82	68.20	-10.38
5725.520	Peak	56.17	4.21	60.38	68.20	-7.82

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac40

Test Date :2022-01-20

Test Frequency :5670 MHz

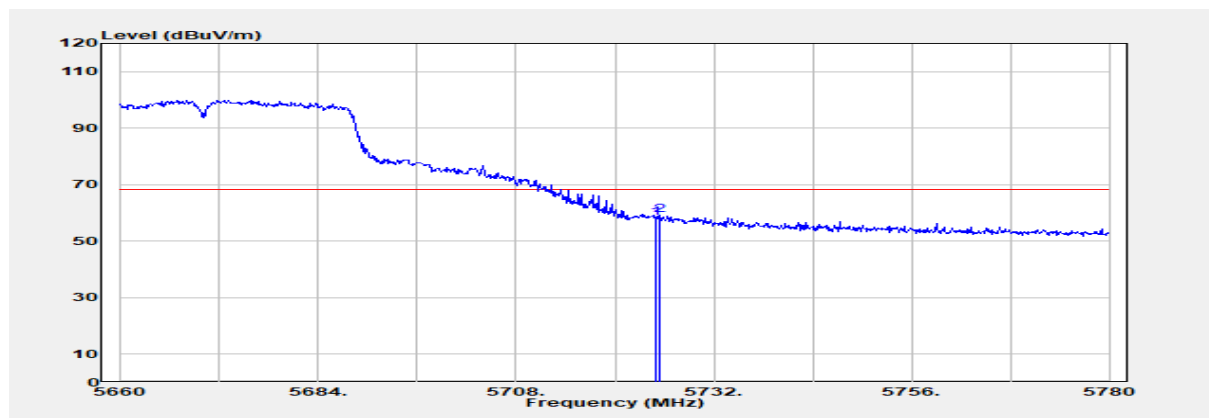
Temp./Humi. :23.2/45

Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	53.90	4.21	58.11	68.20	-10.09
5725.520	Peak	54.84	4.21	59.06	68.20	-9.14

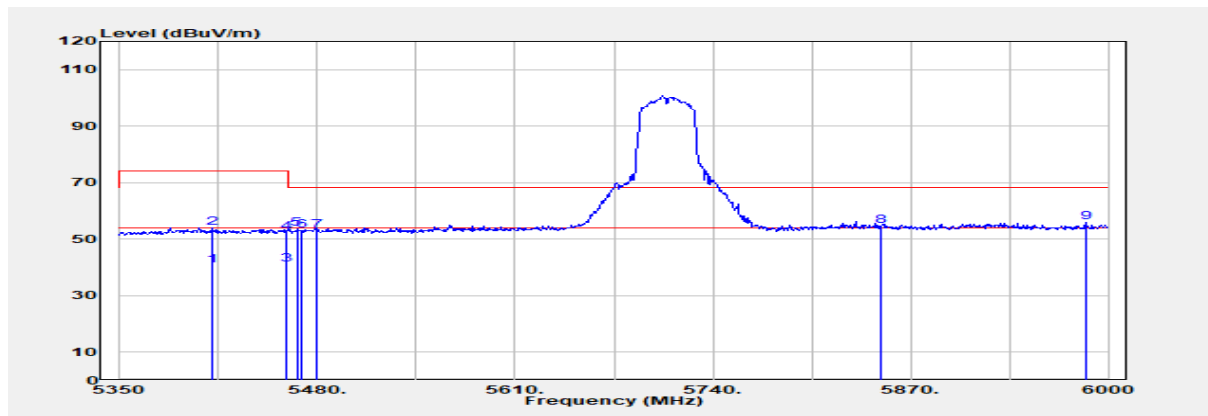
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac40
 Test Frequency :5710 MHz
 Test Mode :BE CH MID
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5411.100	Average	38.07	2.57	40.64	54.00	-13.36
5411.100	Peak	51.53	2.57	54.10	74.00	-19.90
5460.000	Average	38.31	2.64	40.95	54.00	-13.05
5460.000	Peak	49.73	2.64	52.37	74.00	-21.63
5466.350	Peak	51.06	2.72	53.79	68.20	-14.41
5470.000	Peak	50.10	2.77	52.87	68.20	-15.33
5480.000	Peak	50.34	2.76	53.10	68.20	-15.10
5850.000	Peak	50.35	4.31	54.66	68.20	-13.54
5985.050	Peak	52.02	4.03	56.05	68.20	-12.15

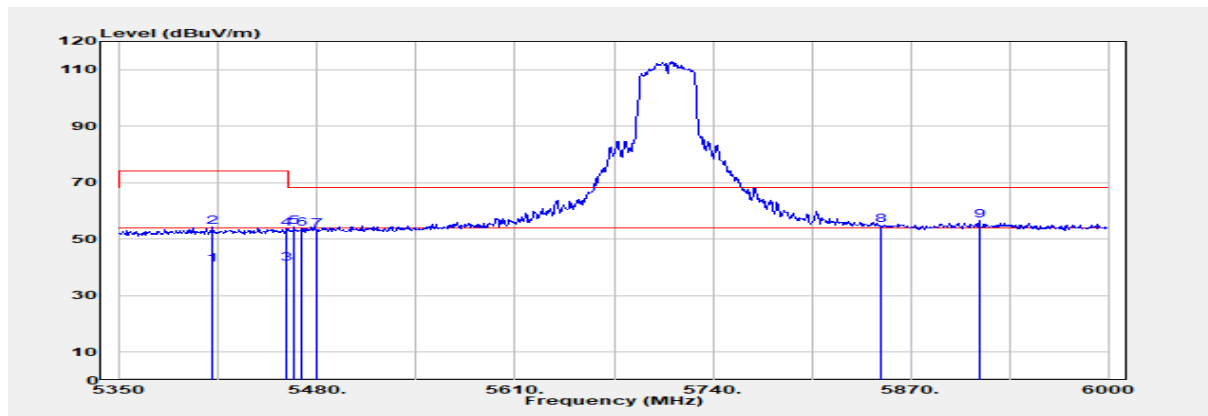
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac40
 Test Frequency :5710 MHz
 Test Mode :BE CH MID
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5411.100	Average	38.50	2.57	41.07	54.00	-12.93
5411.100	Peak	51.71	2.57	54.28	74.00	-19.72
5460.000	Average	38.81	2.64	41.45	54.00	-12.55
5460.000	Peak	50.95	2.64	53.59	74.00	-20.41
5465.050	Peak	51.59	2.71	54.30	68.20	-13.90
5470.000	Peak	51.05	2.77	53.82	68.20	-14.38
5480.000	Peak	50.59	2.76	53.35	68.20	-14.85
5850.000	Peak	50.77	4.31	55.08	68.20	-13.12
5915.500	Peak	52.35	4.38	56.74	68.20	-11.46

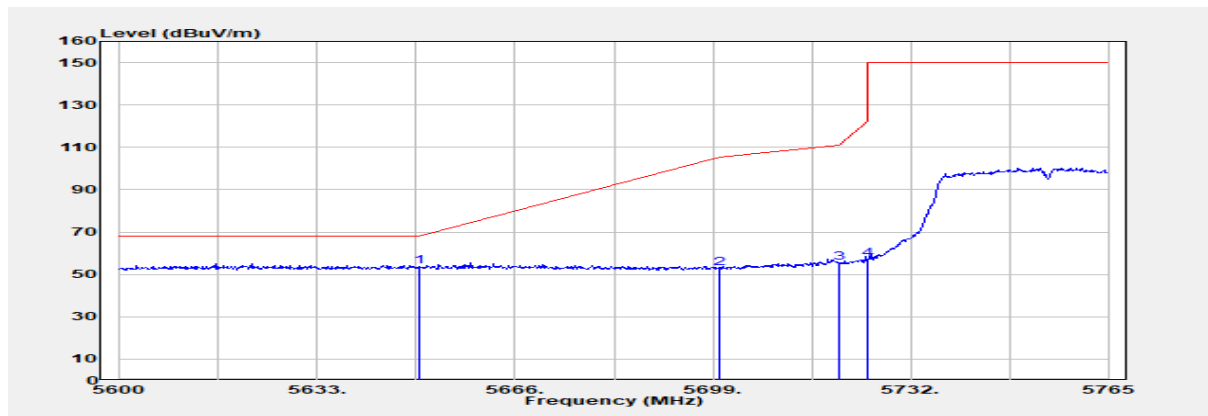
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac40
 Test Frequency :5755 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.000	Peak	50.28	3.60	53.88	68.20	-14.32
5700.000	Peak	49.50	3.31	52.81	105.20	-52.39
5720.000	Peak	51.27	4.17	55.44	110.80	-55.36
5725.000	Peak	53.21	4.21	57.42	122.20	-64.78

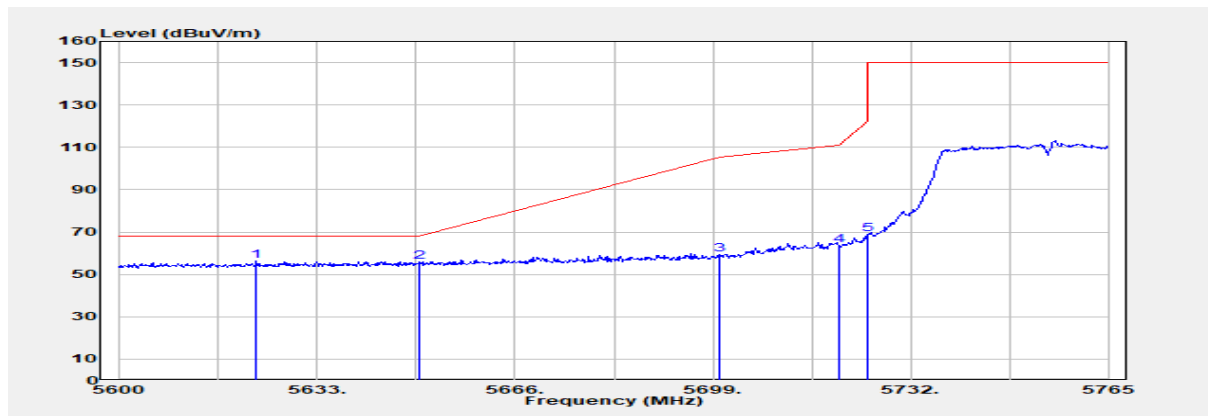
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac40
 Test Frequency :5755 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5622.770	Peak	52.81	3.45	56.27	68.20	-11.93
5650.000	Peak	52.34	3.60	55.94	68.20	-12.26
5700.000	Peak	56.08	3.31	59.39	105.20	-45.81
5720.000	Peak	59.66	4.17	63.83	110.80	-46.97
5725.000	Peak	64.56	4.21	68.77	122.20	-53.43

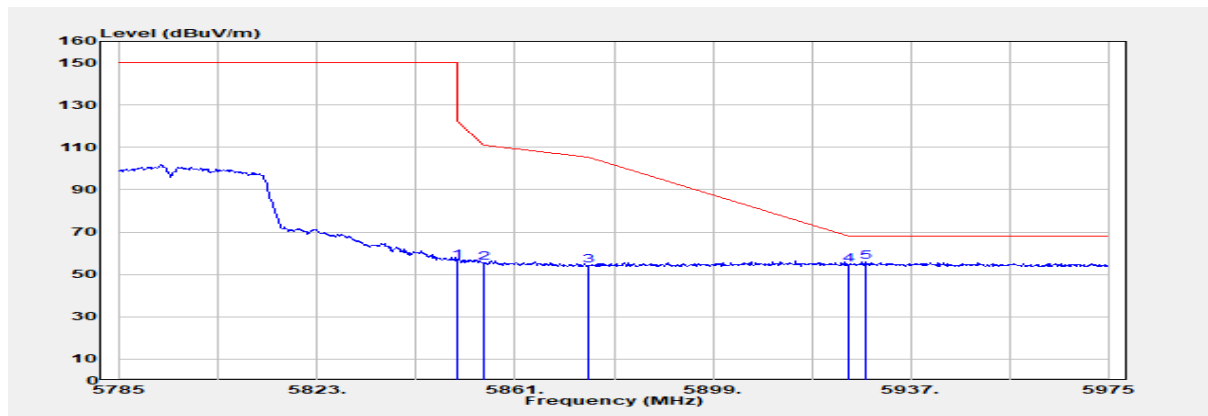
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac40
 Test Frequency :5795 MHz
 Test Mode :BE CH HIGH
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	52.26	4.31	56.57	122.20	-65.63
5855.000	Peak	51.23	4.21	55.44	110.80	-55.36
5875.000	Peak	50.45	3.90	54.35	105.20	-50.85
5925.000	Peak	50.32	4.36	54.67	68.20	-13.53
5928.260	Peak	51.66	4.35	56.01	68.20	-12.19

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac40

Test Date :2022-01-20

Test Frequency :5795 MHz

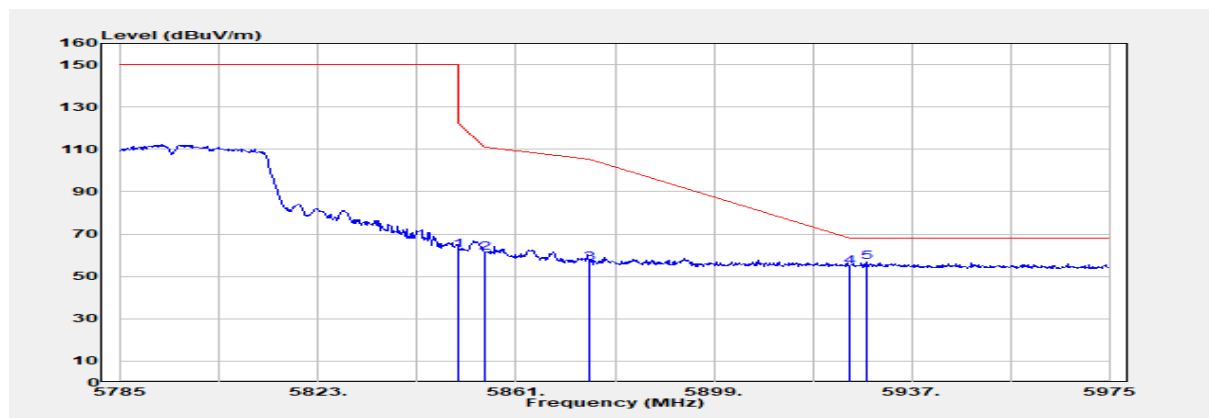
Temp./Humi. :23.2/45

Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	58.17	4.31	62.48	122.20	-59.72
5855.000	Peak	56.72	4.21	60.93	110.80	-49.87
5875.000	Peak	52.27	3.90	56.16	105.20	-49.04
5925.000	Peak	50.40	4.36	54.75	68.20	-13.45
5928.450	Peak	52.64	4.34	56.98	68.20	-11.22

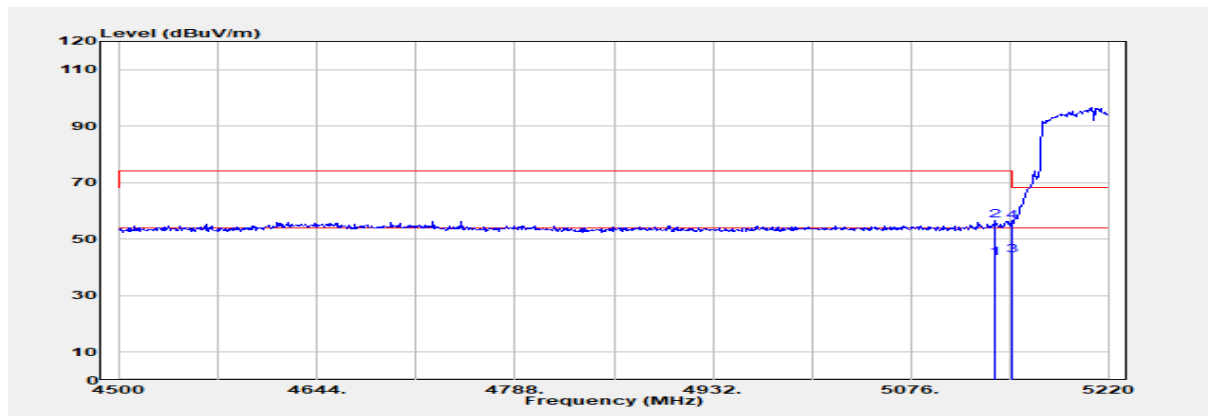
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac80
 Test Frequency :5210 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5137.920	Average	40.63	2.77	43.40	54.00	-10.60
5137.920	Peak	53.87	2.77	56.64	74.00	-17.36
5150.000	Average	41.16	3.03	44.19	54.00	-9.81
5150.000	Peak	53.16	3.03	56.19	74.00	-17.81

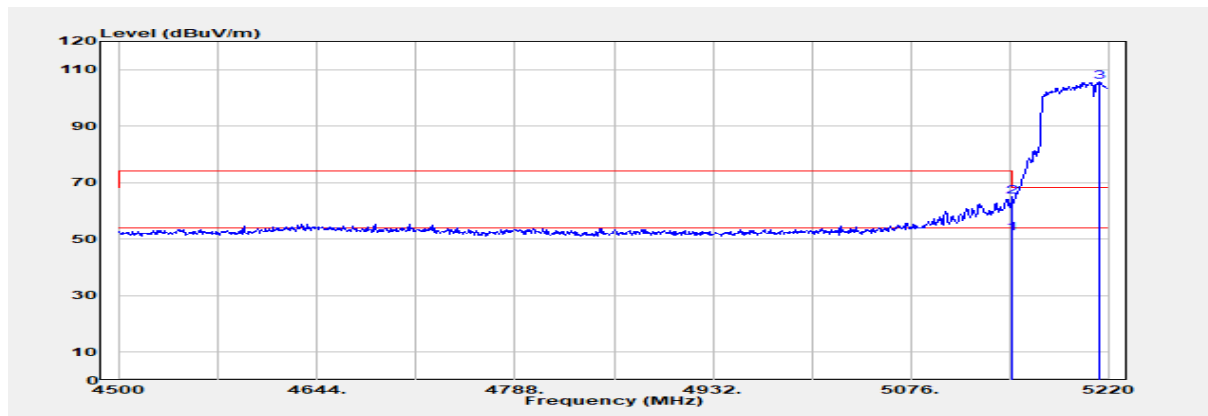
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac80
 Test Frequency :5210 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5150.000	Average	48.85	3.03	51.88	54.00	-2.12
5150.000	Peak	62.17	3.03	65.20	74.00	-8.80
5213.520	Peak	103.23	2.58	105.81	68.20	37.61

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac80

Test Date :2022-01-20

Test Frequency :5290 MHz

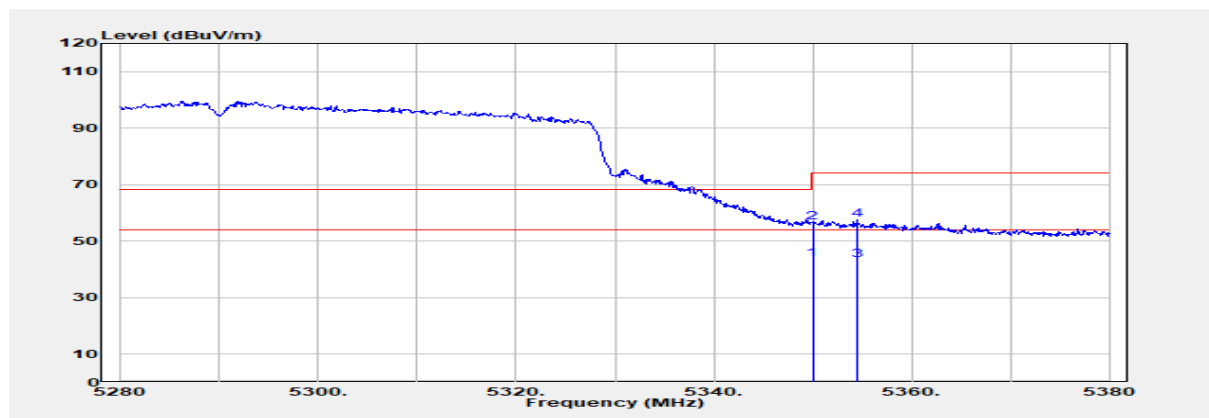
Temp./Humi. :23.2/45

Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	41.27	2.21	43.48	54.00	-10.53
5350.000	Peak	54.40	2.21	56.61	74.00	-17.39
5354.500	Average	41.14	2.21	43.36	54.00	-10.64
5354.500	Peak	55.21	2.21	57.43	74.00	-16.57

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac80

Test Date :2022-01-20

Test Frequency :5290 MHz

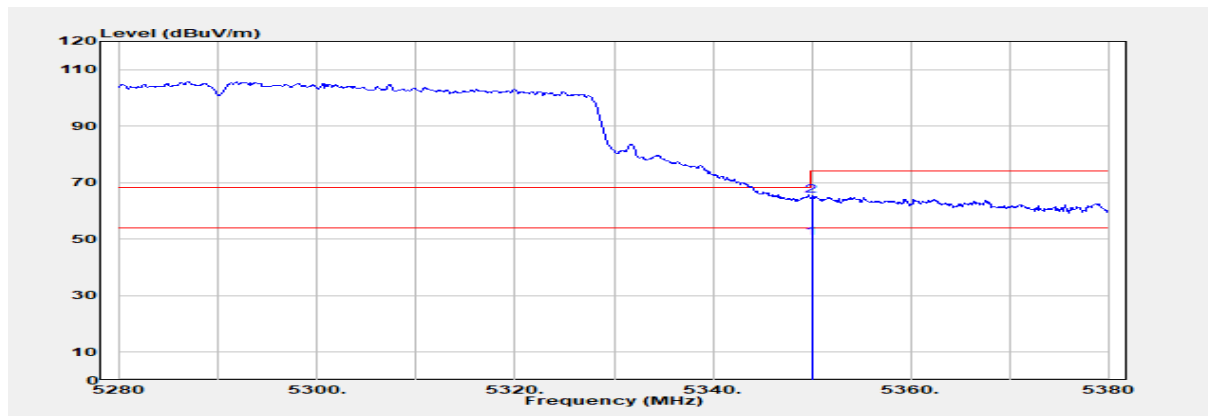
Temp./Humi. :23.2/45

Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	48.21	2.21	50.42	54.00	-3.58
5350.000	Peak	63.07	2.21	65.28	74.00	-8.72

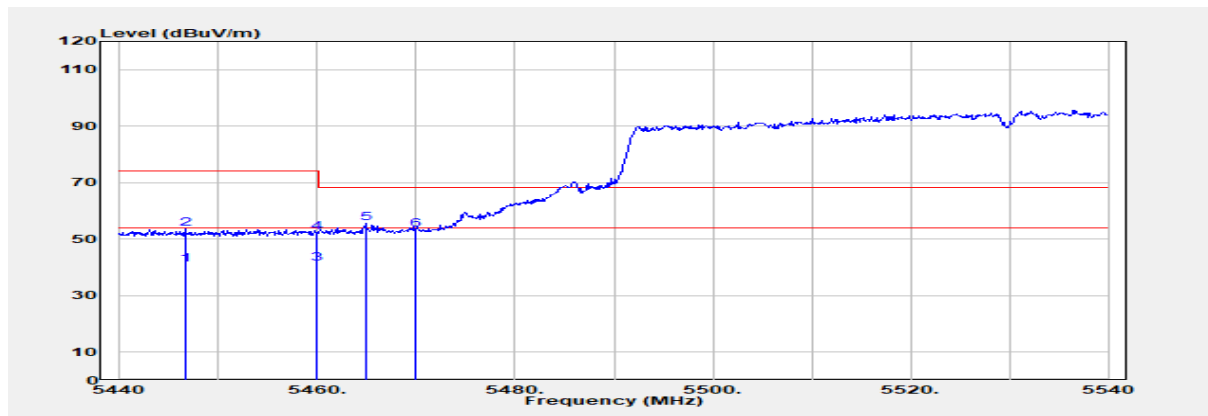
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac80
 Test Frequency :5530 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5446.600	Average	38.42	2.50	40.92	54.00	-13.08
5446.600	Peak	51.12	2.50	53.62	74.00	-20.38
5460.000	Average	38.52	2.64	41.16	54.00	-12.84
5460.000	Peak	49.62	2.64	52.26	74.00	-21.74
5464.900	Peak	52.79	2.70	55.50	68.20	-12.70
5470.000	Peak	50.58	2.77	53.35	68.20	-14.85

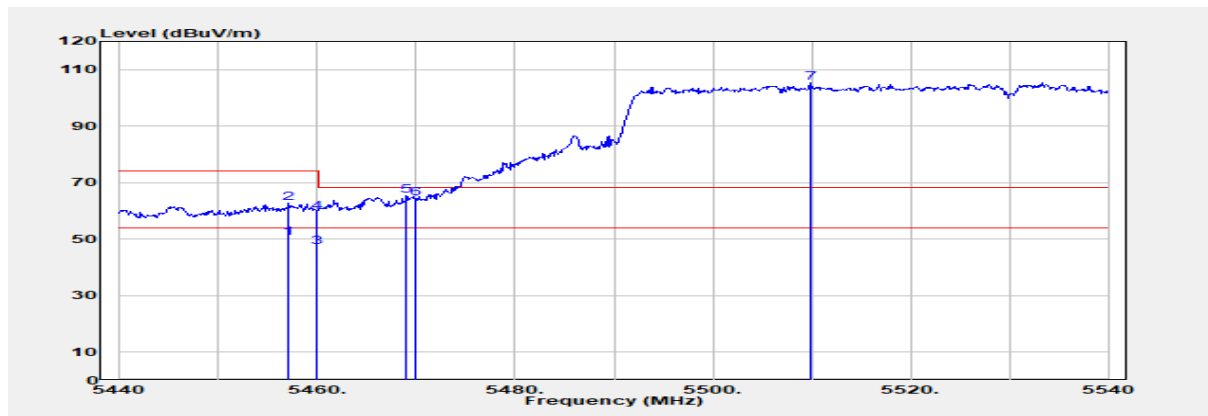
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac80
 Test Frequency :5530 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5457.100	Average	47.62	2.63	50.25	54.00	-3.75
5457.100	Peak	60.29	2.63	62.92	74.00	-11.08
5460.000	Average	44.43	2.64	47.07	54.00	-6.93
5460.000	Peak	56.95	2.64	59.59	74.00	-14.41
5469.000	Peak	62.52	2.76	65.28	68.20	-2.92
5470.000	Peak	61.59	2.77	64.36	68.20	-3.84
5509.900	Peak	102.75	2.65	105.40	68.20	37.20

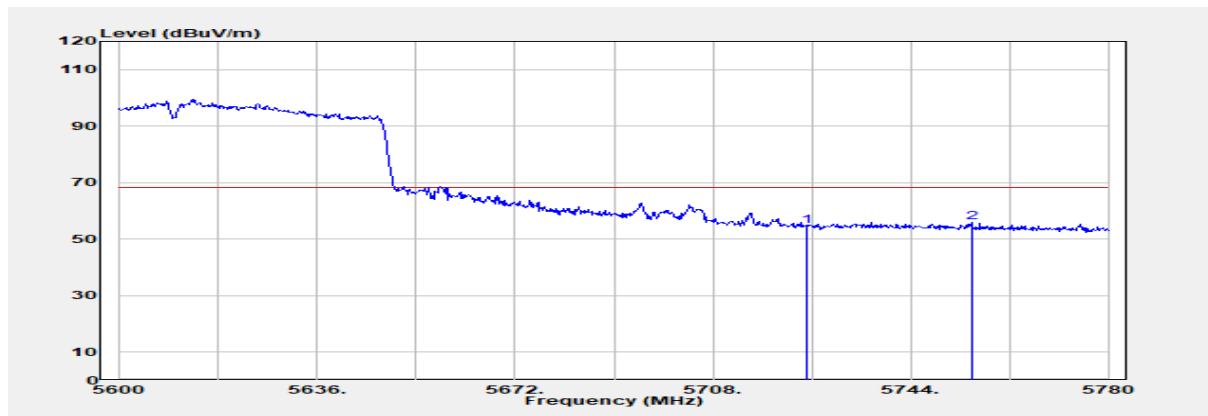
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac80
 Test Frequency :5610 MHz
 Test Mode :BE CH HIGH
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	50.56	4.21	54.77	68.20	-13.43
5755.160	Peak	51.55	4.26	55.80	68.20	-12.40

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac80

Test Date :2022-01-20

Test Frequency :5610 MHz

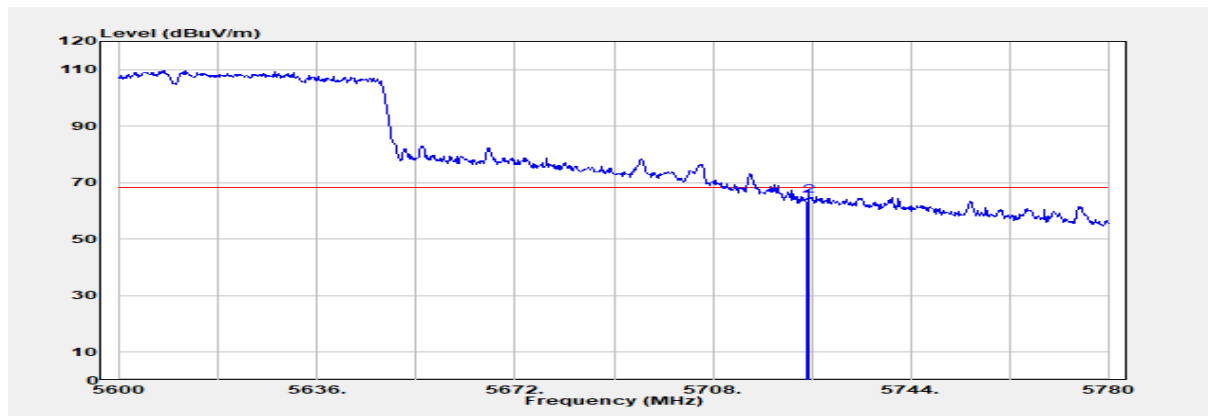
Temp./Humi. :23.2/45

Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	59.34	4.21	63.55	68.20	-4.65
5725.640	Peak	61.06	4.22	65.28	68.20	-2.92

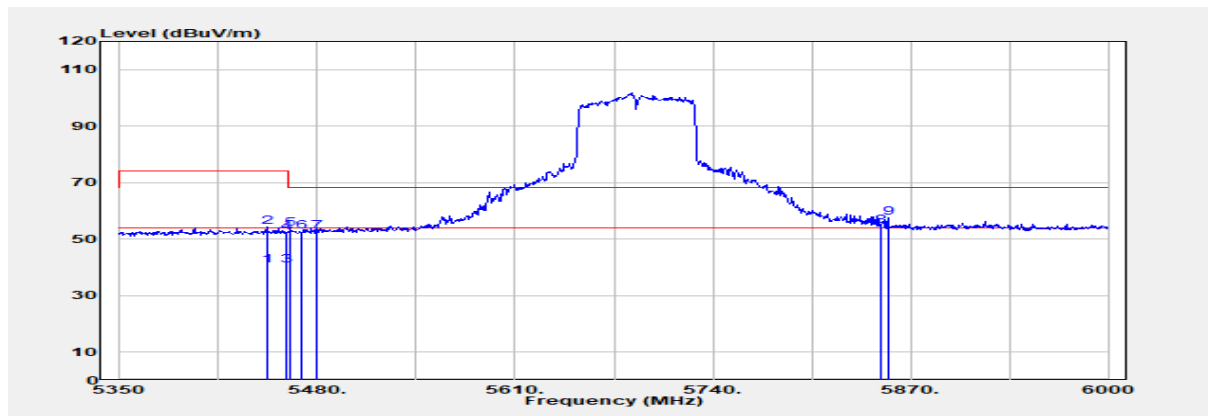
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac80
 Test Frequency :5690 MHz
 Test Mode :BE CH MID
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5446.850	Average	38.20	2.51	40.71	54.00	-13.29
5446.850	Peak	51.66	2.51	54.17	74.00	-19.83
5460.000	Average	38.16	2.64	40.80	54.00	-13.20
5460.000	Peak	49.80	2.64	52.44	74.00	-21.56
5462.450	Peak	51.00	2.67	53.68	68.20	-14.52
5470.000	Peak	49.92	2.77	52.69	68.20	-15.51
5480.000	Peak	49.80	2.76	52.56	68.20	-15.64
5850.000	Peak	50.43	4.31	54.74	68.20	-13.46
5855.050	Peak	53.43	4.21	57.64	68.20	-10.56

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac80

Test Date :2022-01-20

Test Frequency :5690 MHz

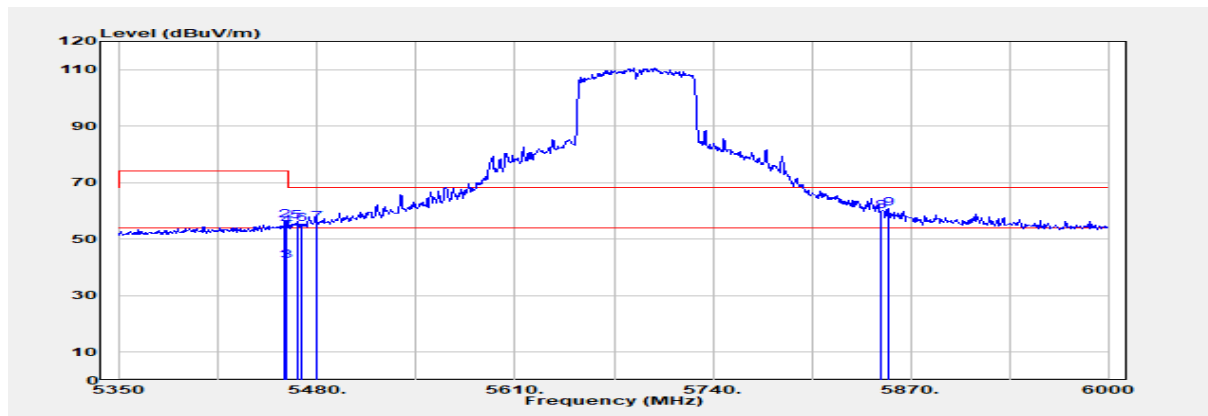
Temp./Humi. :23.2/45

Test Mode :BE CH MID

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5458.550	Average	39.55	2.63	42.18	54.00	-11.82
5458.550	Peak	53.98	2.63	56.61	74.00	-17.39
5460.000	Average	39.59	2.64	42.23	54.00	-11.77
5460.000	Peak	51.97	2.64	54.61	74.00	-19.39
5466.350	Peak	53.42	2.72	56.14	68.20	-12.06
5470.000	Peak	52.63	2.77	55.40	68.20	-12.80
5480.000	Peak	53.23	2.76	55.99	68.20	-12.21
5850.000	Peak	55.68	4.31	59.99	68.20	-8.21
5855.050	Peak	56.49	4.21	60.69	68.20	-7.51

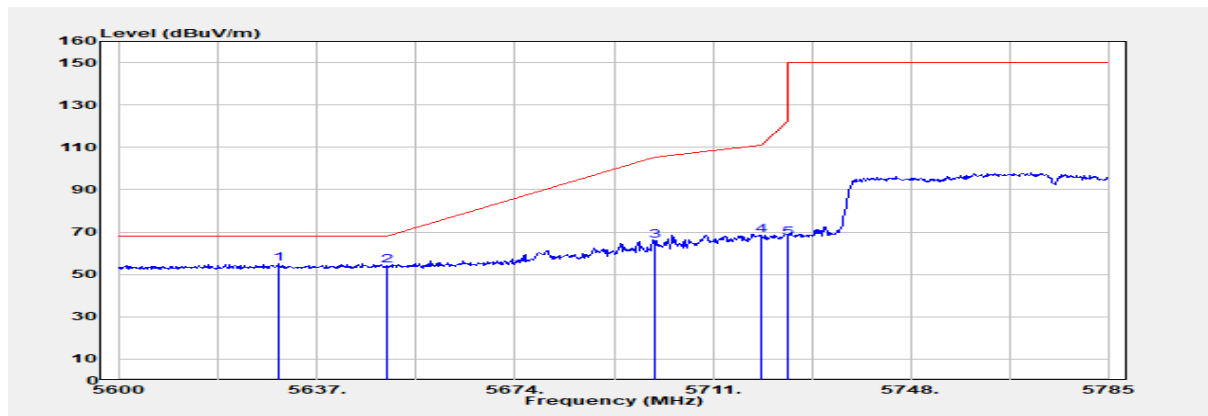
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac80
 Test Frequency :5755 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5629.785	Peak	51.76	3.49	55.25	68.20	-12.95
5650.000	Peak	50.56	3.60	54.16	68.20	-14.04
5700.000	Peak	62.79	3.31	66.10	105.20	-39.10
5720.000	Peak	64.26	4.17	68.43	110.80	-42.37
5725.000	Peak	63.20	4.21	67.41	122.20	-54.79

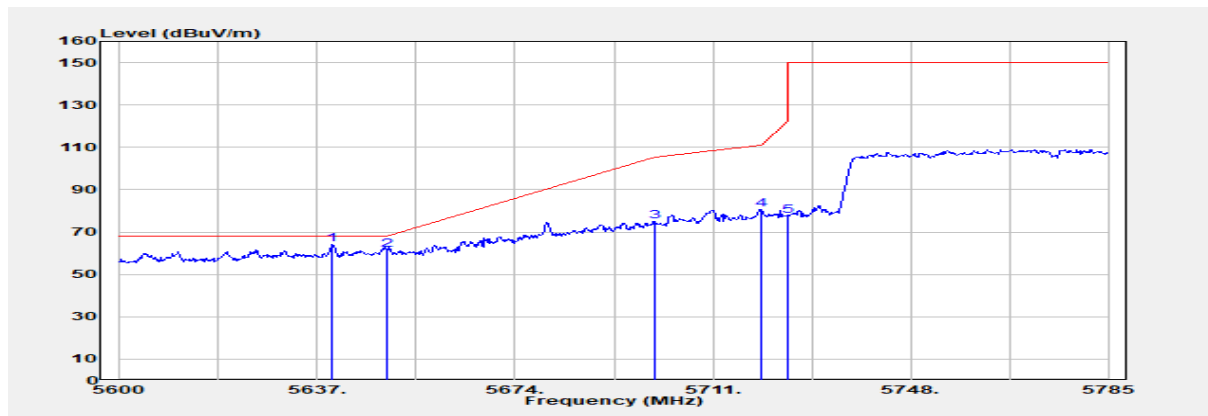
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac80
 Test Frequency :5755 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5639.775	Peak	60.73	3.41	64.15	68.20	-4.05
5650.000	Peak	57.93	3.60	61.53	68.20	-6.67
5700.000	Peak	71.88	3.31	75.19	105.20	-30.01
5720.000	Peak	76.66	4.17	80.83	110.80	-29.97
5725.000	Peak	73.39	4.21	77.60	122.20	-44.60

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac80

Test Date :2022-01-20

Test Frequency :5755 MHz

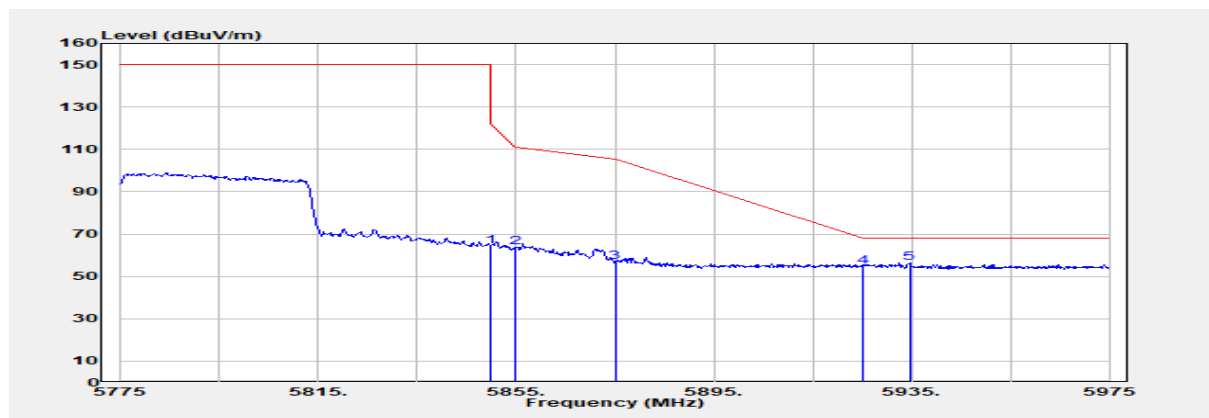
Temp./Humi. :23.2/45

Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	60.04	4.31	64.35	122.20	-57.85
5855.000	Peak	59.69	4.21	63.90	110.80	-46.90
5875.000	Peak	52.95	3.90	56.85	105.20	-48.35
5925.000	Peak	50.35	4.36	54.71	68.20	-13.49
5934.600	Peak	52.22	4.24	56.46	68.20	-11.74

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac80

Test Date :2022-01-20

Test Frequency :5755 MHz

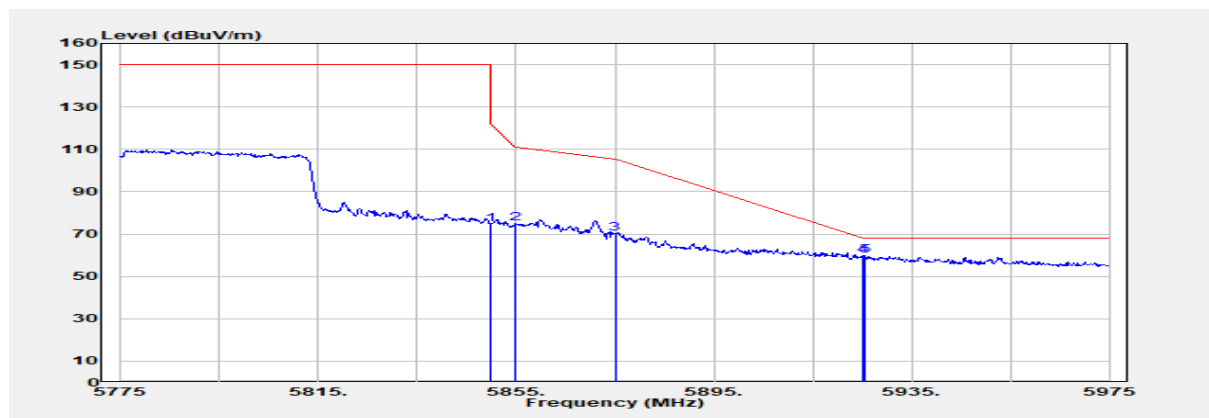
Temp./Humi. :23.2/45

Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	70.31	4.31	74.62	122.20	-47.58
5855.000	Peak	70.83	4.21	75.04	110.80	-35.76
5875.000	Peak	66.45	3.90	70.35	105.20	-34.85
5925.000	Peak	55.42	4.36	59.77	68.20	-8.43
5925.600	Peak	55.43	4.35	59.79	68.20	-8.41

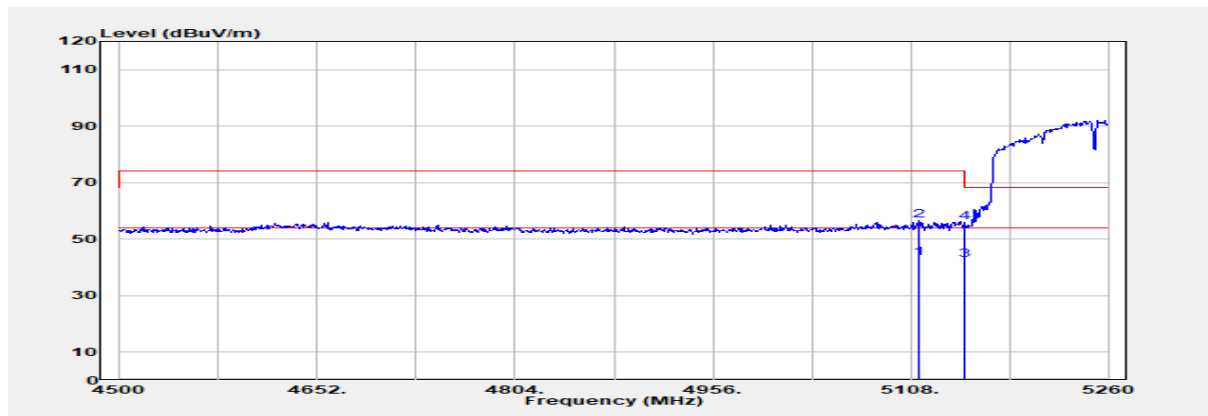
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac160
 Test Frequency :5250 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5114.080	Average	40.66	2.57	43.23	54.00	-10.77
5114.080	Peak	54.11	2.57	56.68	74.00	-17.32
5150.000	Average	39.59	3.03	42.62	54.00	-11.38
5150.000	Peak	52.79	3.03	55.82	74.00	-18.18

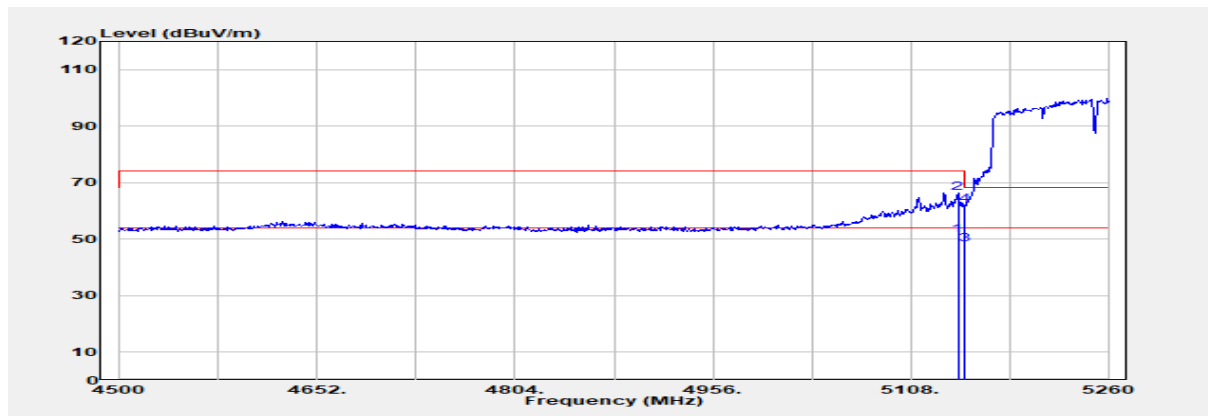
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac160
 Test Frequency :5250 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5144.480	Average	48.47	2.90	51.36	54.00	-2.64
5144.480	Peak	63.34	2.90	66.23	74.00	-7.77
5150.000	Average	45.11	3.03	48.14	54.00	-5.86
5150.000	Peak	59.09	3.03	62.12	74.00	-11.88

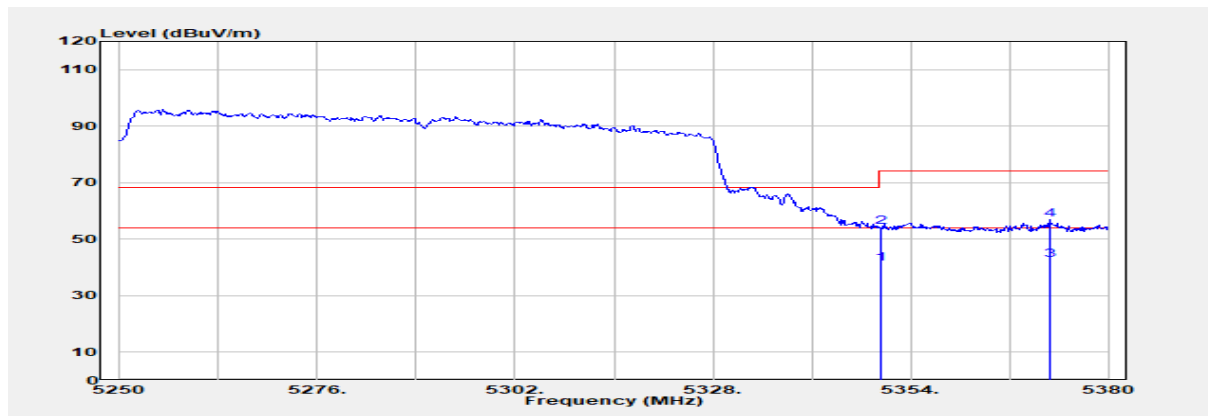
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac160
 Test Frequency :5250 MHz
 Test Mode :BE CH HIGH
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	39.04	2.21	41.25	54.00	-12.75
5350.000	Peak	52.14	2.21	54.35	74.00	-19.65
5372.330	Average	40.24	2.32	42.56	54.00	-11.44
5372.330	Peak	54.65	2.32	56.97	74.00	-17.03

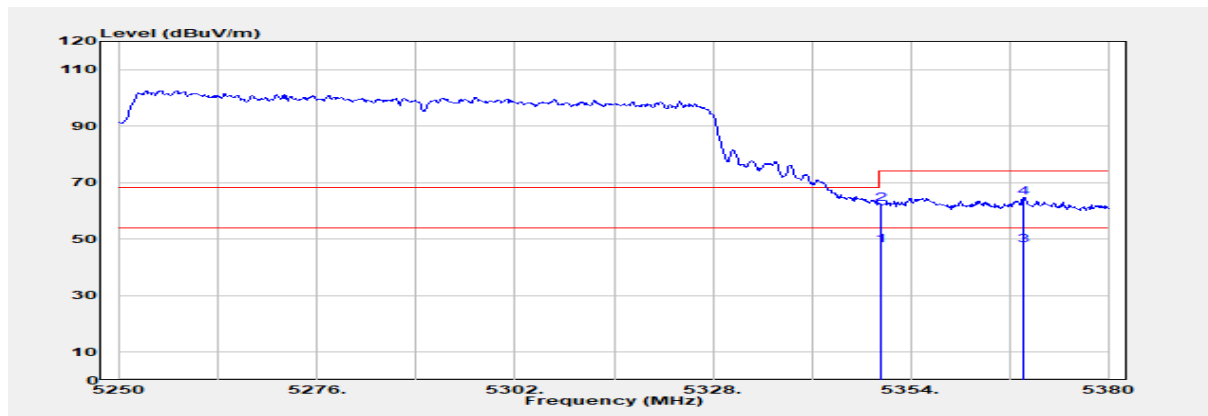
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac160
 Test Frequency :5250 MHz
 Test Mode :BE CH HIGH
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	45.44	2.21	47.65	54.00	-6.35
5350.000	Peak	60.12	2.21	62.33	74.00	-11.67
5368.820	Average	45.63	2.30	47.93	54.00	-6.07
5368.820	Peak	62.31	2.30	64.61	74.00	-9.39

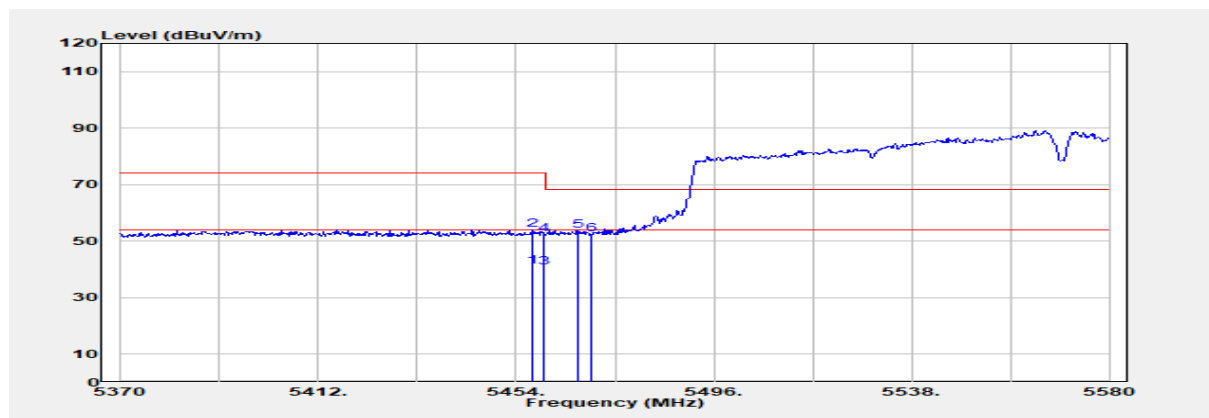
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac160
 Test Frequency :5570 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5457.570	Average	38.21	2.63	40.84	54.00	-13.16
5457.570	Peak	51.38	2.63	54.01	74.00	-19.99
5460.000	Average	38.12	2.64	40.76	54.00	-13.24
5460.000	Peak	49.66	2.64	52.30	74.00	-21.70
5467.230	Peak	50.84	2.73	53.58	68.20	-14.62
5470.000	Peak	49.64	2.77	52.41	68.20	-15.79

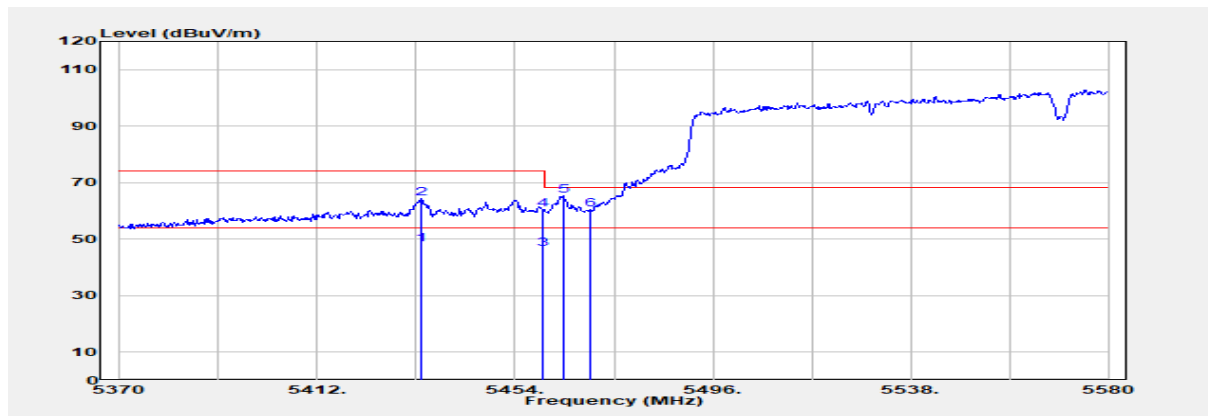
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac160
 Test Frequency :5570 MHz
 Test Mode :BE CH LOW
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5434.050	Average	45.89	2.36	48.25	54.00	-5.75
5434.050	Peak	62.11	2.36	64.47	74.00	-9.53
5460.000	Average	43.97	2.64	46.61	54.00	-7.39
5460.000	Peak	57.72	2.64	60.36	74.00	-13.64
5464.290	Peak	62.55	2.70	65.25	68.20	-2.95
5470.000	Peak	57.77	2.77	60.54	68.20	-7.66

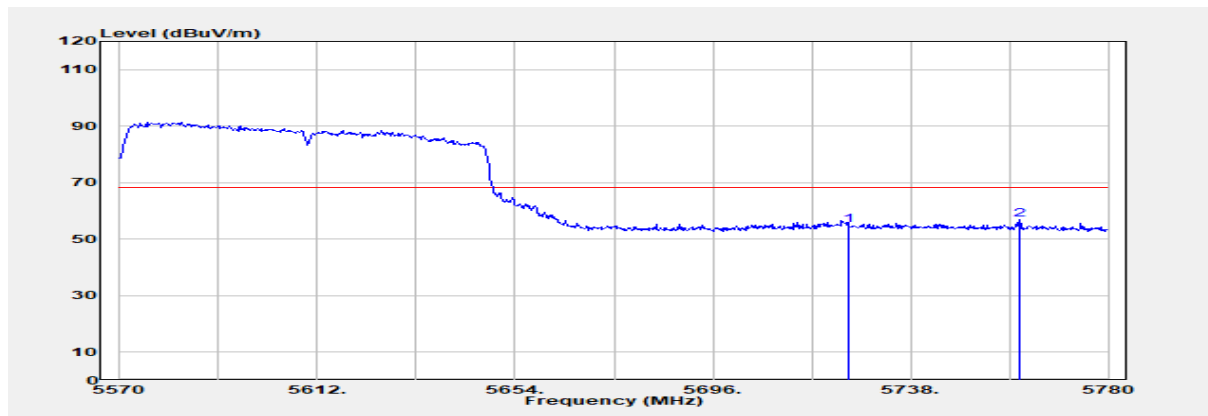
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Report Number :ER/2021/C0065
 Operation Mode :802.11ac160
 Test Frequency :5570 MHz
 Test Mode :BE CH HIGH
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :23.2/45
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	50.68	4.21	54.89	68.20	-13.31
5761.310	Peak	52.80	4.12	56.91	68.20	-11.29

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ac160

Test Date :2022-01-20

Test Frequency :5570 MHz

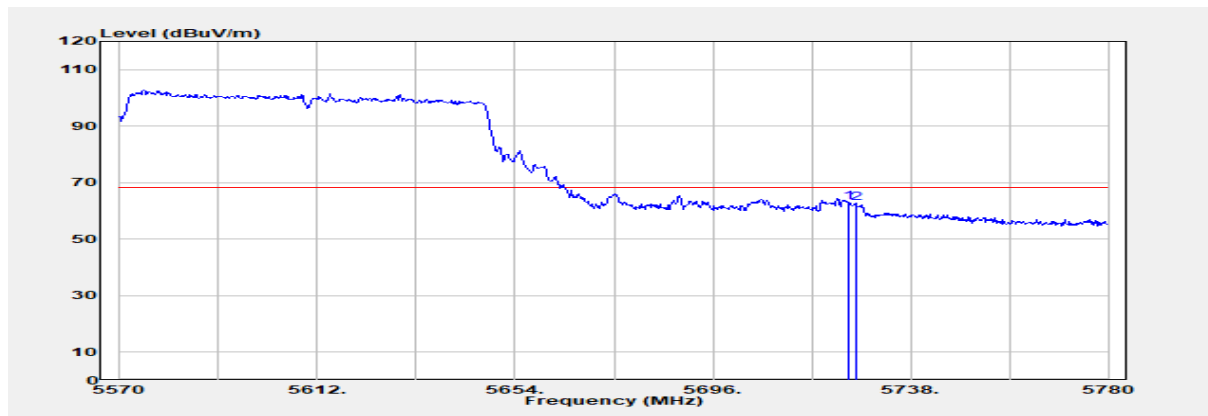
Temp./Humi. :23.2/45

Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	58.73	4.21	62.94	68.20	-5.26
5726.450	Peak	58.59	4.22	62.81	68.20	-5.39

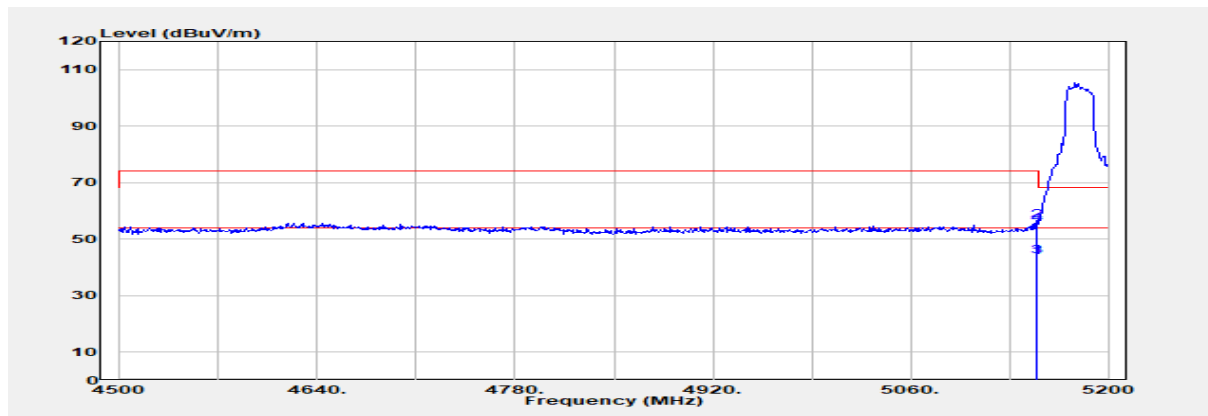
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5180 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5148.900	Average	40.64	3.00	43.64	54.00	-10.36
5148.900	Peak	53.72	3.00	56.72	74.00	-17.28
5150.000	Average	40.91	3.03	43.94	54.00	-10.06
5150.000	Peak	52.23	3.03	55.26	74.00	-18.74

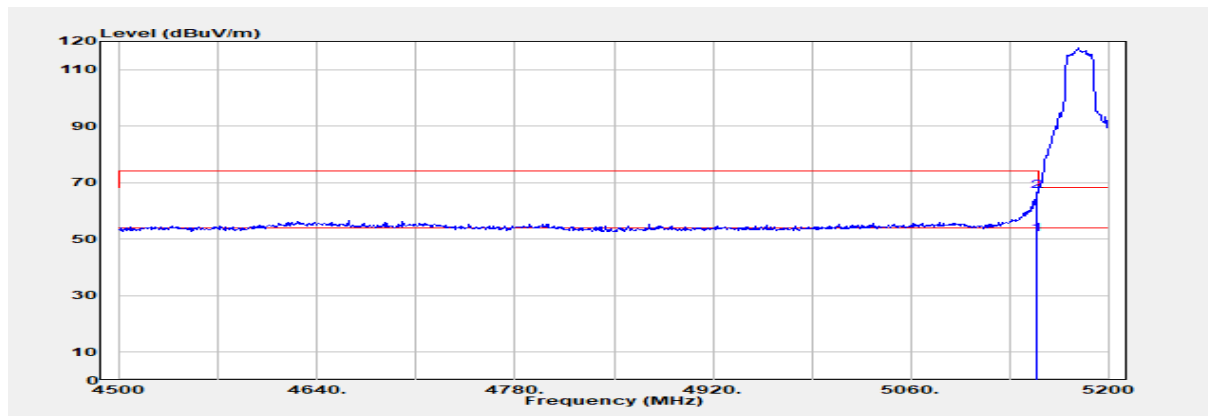
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5180 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5150.000	Average	48.57	3.03	51.60	54.00	-2.40
5150.000	Peak	63.98	3.03	67.01	74.00	-6.99

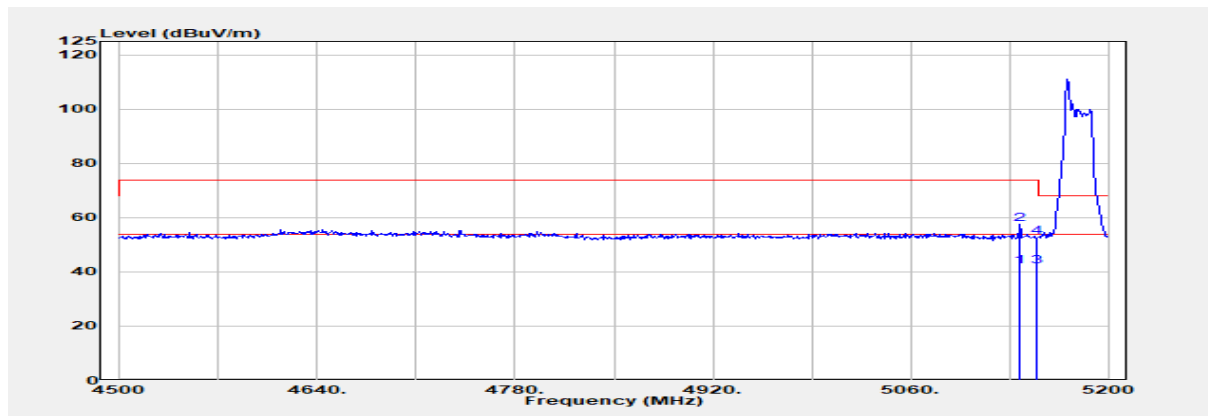
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5180 MHz
 Test Mode :BE CH LOW RU 26/0
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5137.700	Average	39.16	2.77	41.93	54.00	-12.07
5137.700	Peak	54.65	2.77	57.42	74.00	-16.58
5150.000	Average	39.01	3.03	42.04	54.00	-11.96
5150.000	Peak	49.65	3.03	52.68	74.00	-21.32

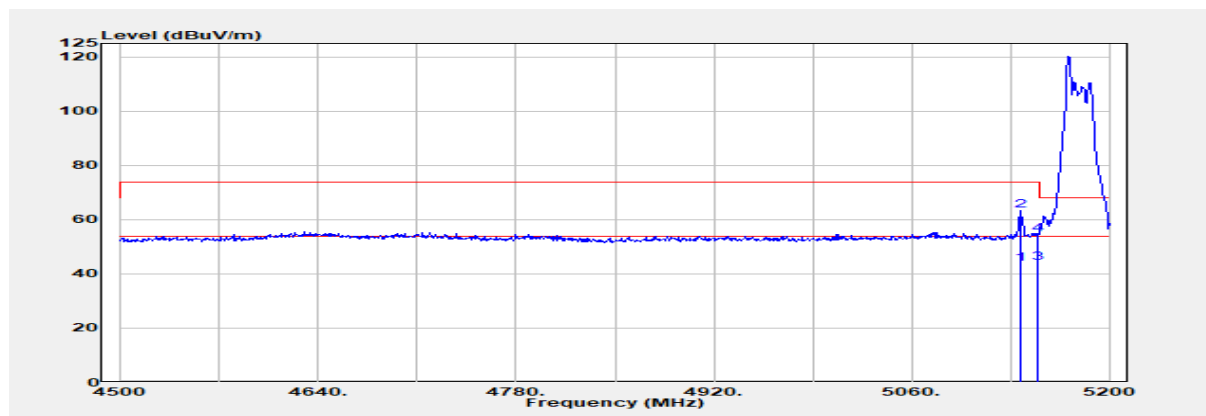
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5180 MHz
 Test Mode :BE CH LOW RU 26/0
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5137.000	Average	41.11	2.76	43.87	54.00	-10.13
5137.000	Peak	60.49	2.76	63.25	74.00	-10.75
5150.000	Average	41.02	3.03	44.05	54.00	-9.95
5150.000	Peak	51.45	3.03	54.48	74.00	-19.52

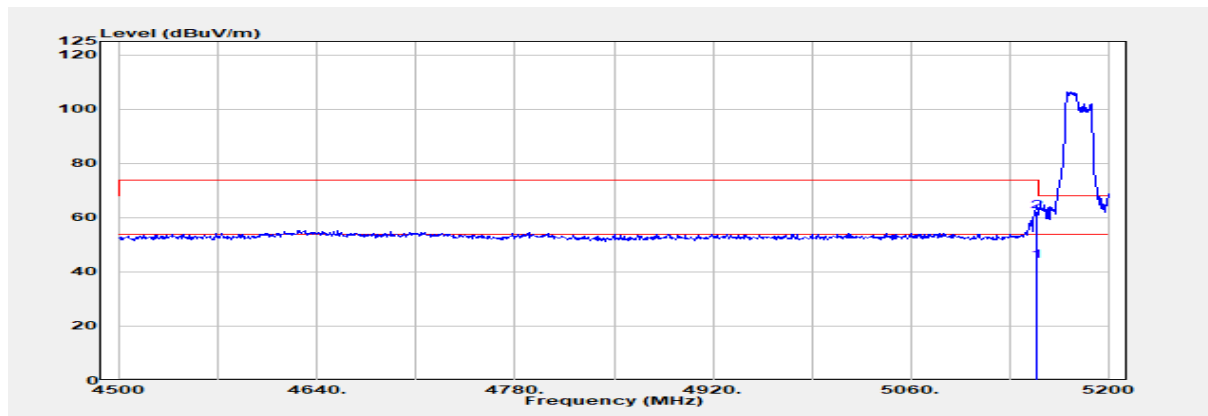
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5180 MHz
 Test Mode :BE CH LOW RU 106/53
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5150.000	Average	40.99	3.03	44.02	54.00	-9.98
5150.000	Peak	59.46	3.03	62.49	74.00	-11.51

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ax20

Test Date :2022-01-20

Test Frequency :5180 MHz

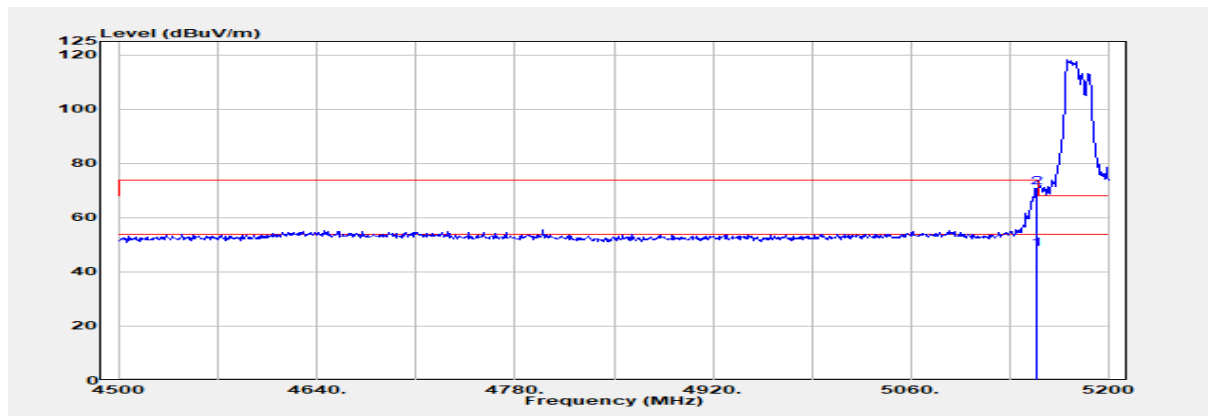
Temp./Humi. :20.5/44

Test Mode :BE CH LOW RU 106/53

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5150.000	Average	45.32	3.03	48.35	54.00	-5.65
5150.000	Peak	68.27	3.03	71.30	74.00	-2.70

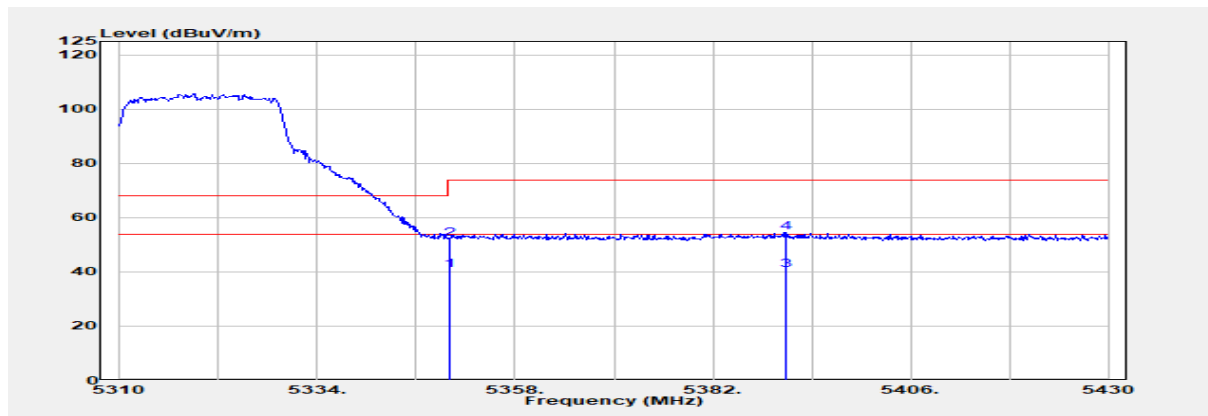
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5320 MHz
 Test Mode :BE CH HIGH RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	38.53	2.21	40.74	54.00	-13.26
5350.000	Peak	50.10	2.21	52.31	74.00	-21.69
5390.880	Average	38.17	2.61	40.78	54.00	-13.22
5390.880	Peak	51.80	2.61	54.41	74.00	-19.59

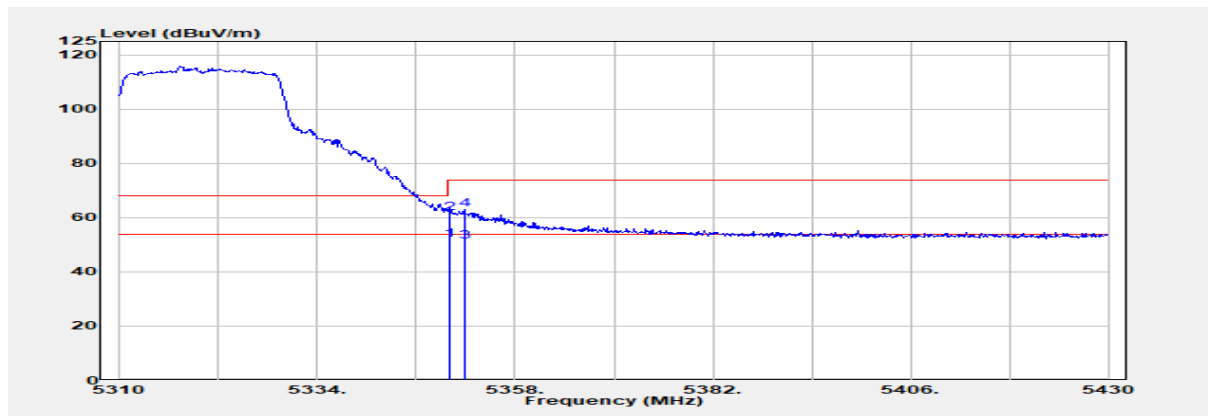
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5320 MHz
 Test Mode :BE CH HIGH RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	49.63	2.21	51.84	54.00	-2.16
5350.000	Peak	59.46	2.21	61.67	74.00	-12.33
5351.880	Average	48.95	2.21	51.16	54.00	-2.84
5351.880	Peak	60.91	2.21	63.12	74.00	-10.88

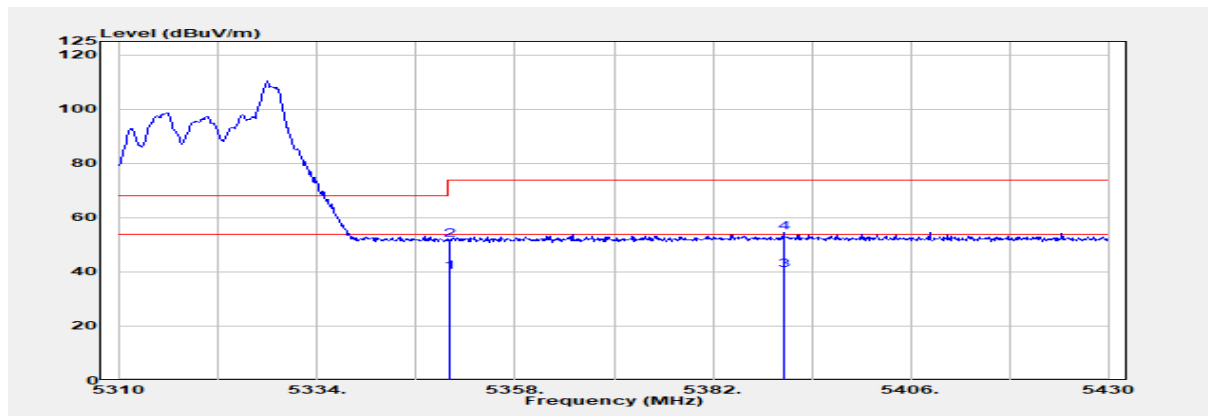
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5320 MHz
 Test Mode :BE CH HIGH RU 26/8
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	37.82	2.21	40.03	54.00	-13.97
5350.000	Peak	49.65	2.21	51.86	74.00	-22.14
5390.640	Average	38.04	2.62	40.65	54.00	-13.35
5390.640	Peak	51.92	2.62	54.54	74.00	-19.46

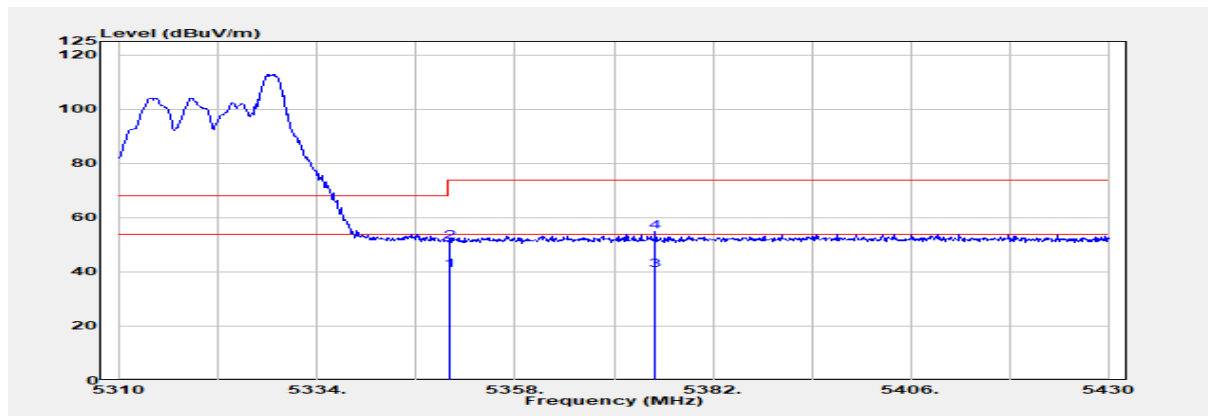
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5320 MHz
 Test Mode :BE CH HIGH RU 26/8
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	38.37	2.21	40.58	54.00	-13.42
5350.000	Peak	49.02	2.21	51.23	74.00	-22.77
5375.040	Average	38.21	2.33	40.53	54.00	-13.47
5375.040	Peak	52.50	2.33	54.82	74.00	-19.18

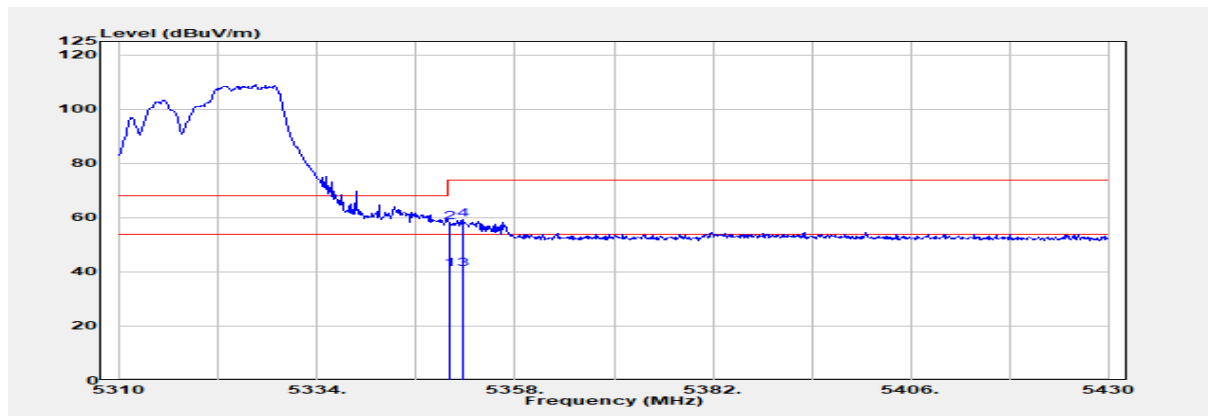
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 Operation Mode :802.11ax20
 Test Frequency :5320 MHz
 Test Mode :BE CH HIGH RU 106/54
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	38.87	2.21	41.08	54.00	-12.93
5350.000	Peak	56.08	2.21	58.29	74.00	-15.71
5351.760	Average	38.75	2.21	40.96	54.00	-13.04
5351.760	Peak	57.01	2.21	59.22	74.00	-14.78

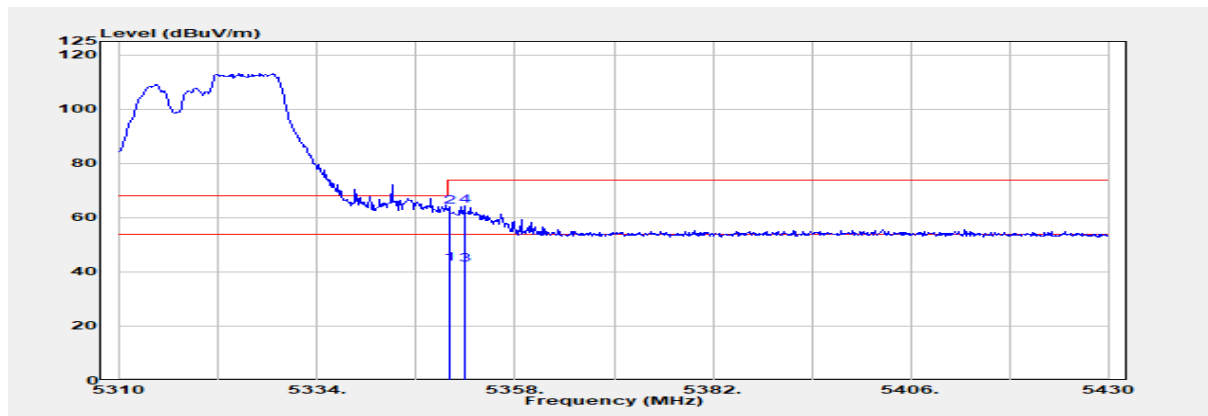
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5320 MHz
 Test Mode :BE CH HIGH RU 106/54
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	40.72	2.21	42.93	54.00	-11.07
5350.000	Peak	61.81	2.21	64.02	74.00	-9.98
5351.880	Average	40.50	2.21	42.71	54.00	-11.29
5351.880	Peak	62.09	2.21	64.31	74.00	-9.69

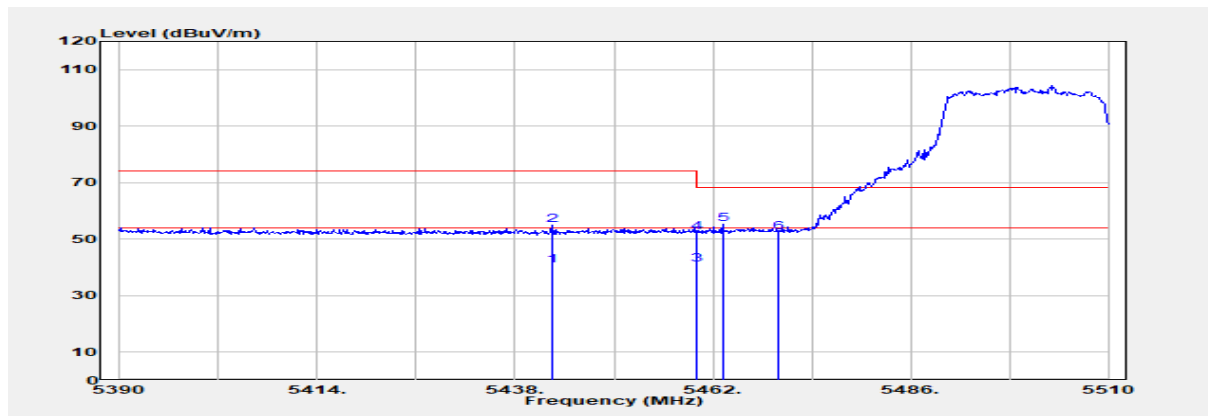
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Report Number :ER/2021/C0065
Operation Mode :802.11ax20
Test Frequency :5500 MHz
Test Mode :BE CH LOW RU FULL
EUT Pol :NB Plane

Test Site :SAC G
Test Date :2022-01-20
Temp./Humi. :20.5/44
Antenna Pol. :Vertical
Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5442.440	Average	38.20	2.38	40.58	54.00	-13.42
5442.440	Peak	52.61	2.38	54.99	74.00	-19.01
5460.000	Average	38.24	2.64	40.88	54.00	-13.12
5460.000	Peak	49.77	2.64	52.41	74.00	-21.59
5463.200	Peak	52.47	2.68	55.15	68.20	-13.05
5470.000	Peak	49.63	2.77	52.40	68.20	-15.80

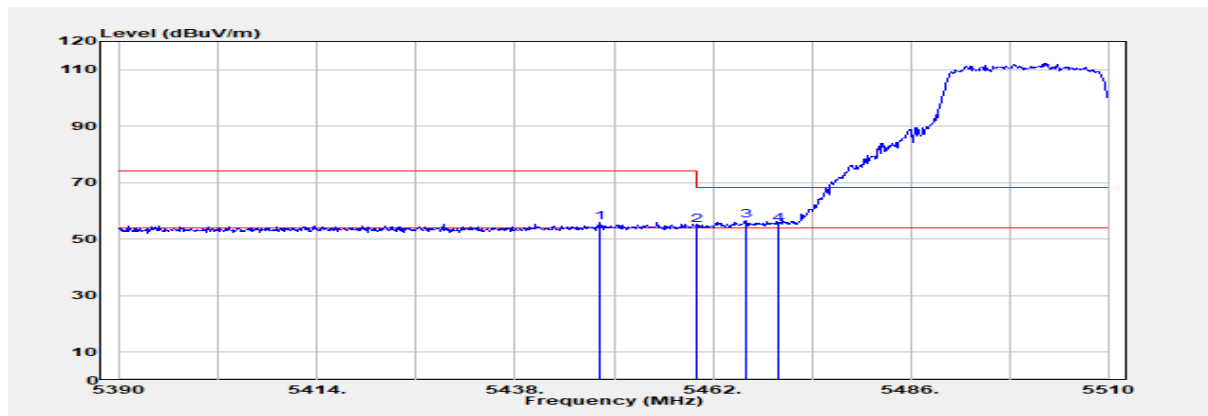
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5500 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5448.320	Peak	53.45	2.55	56.00	74.00	-18.00
5460.000	Peak	52.39	2.64	55.03	74.00	-18.97
5466.080	Peak	53.72	2.72	56.44	68.20	-11.76
5470.000	Peak	52.42	2.77	55.19	68.20	-13.01

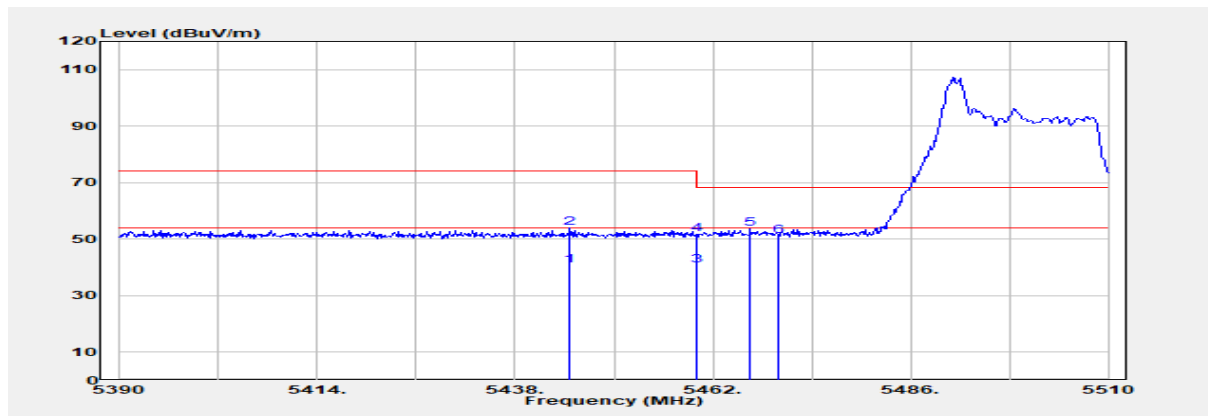
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5500 MHz
 Test Mode :BE CH LOW RU 26/0
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5444.600	Average	38.20	2.44	40.64	54.00	-13.36
5444.600	Peak	51.54	2.44	53.99	74.00	-20.01
5460.000	Average	38.12	2.64	40.76	54.00	-13.24
5460.000	Peak	49.18	2.64	51.82	74.00	-22.18
5466.560	Peak	51.09	2.73	53.82	68.20	-14.38
5470.000	Peak	48.30	2.77	51.07	68.20	-17.13

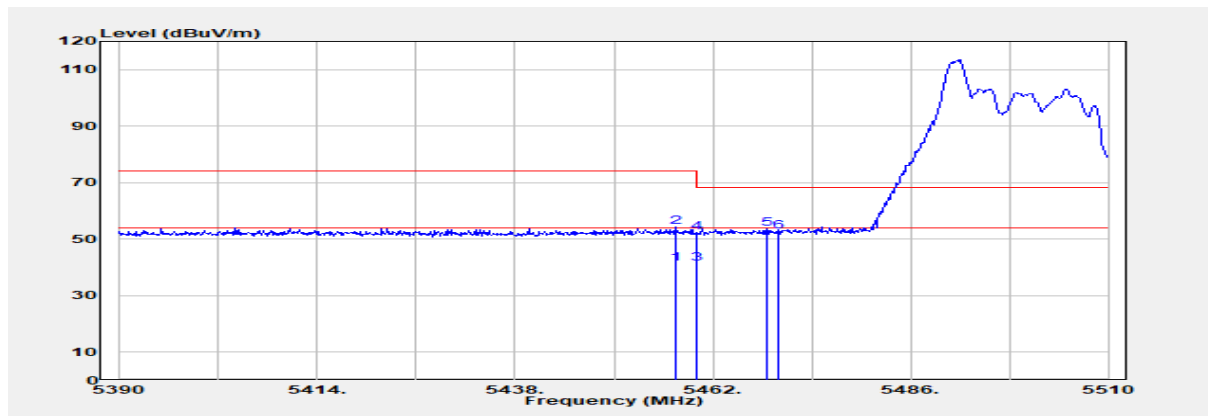
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5500 MHz
 Test Mode :BE CH LOW RU 26/0
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5457.440	Average	38.70	2.63	41.33	54.00	-12.67
5457.440	Peak	51.66	2.63	54.29	74.00	-19.71
5460.000	Average	38.66	2.64	41.30	54.00	-12.70
5460.000	Peak	49.82	2.64	52.46	74.00	-21.54
5468.600	Peak	50.92	2.75	53.67	68.20	-14.53
5470.000	Peak	50.07	2.77	52.84	68.20	-15.36

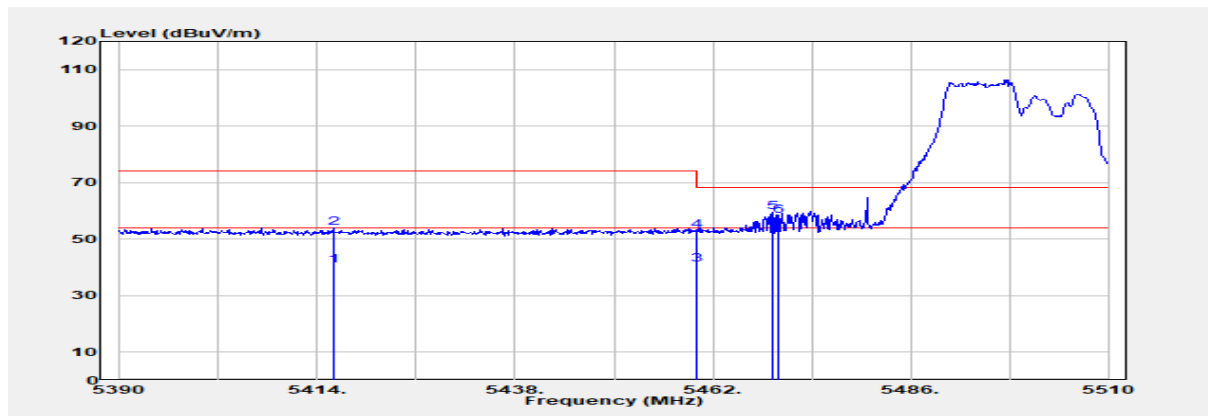
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5500 MHz
 Test Mode :BE CH LOW RU 106/53
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5415.920	Average	38.05	2.48	40.53	54.00	-13.47
5415.920	Peak	51.62	2.48	54.10	74.00	-19.90
5460.000	Average	38.24	2.64	40.88	54.00	-13.12
5460.000	Peak	50.37	2.64	53.01	74.00	-20.99
5469.200	Peak	56.61	2.76	59.37	68.20	-8.83
5470.000	Peak	55.44	2.77	58.21	68.20	-9.99

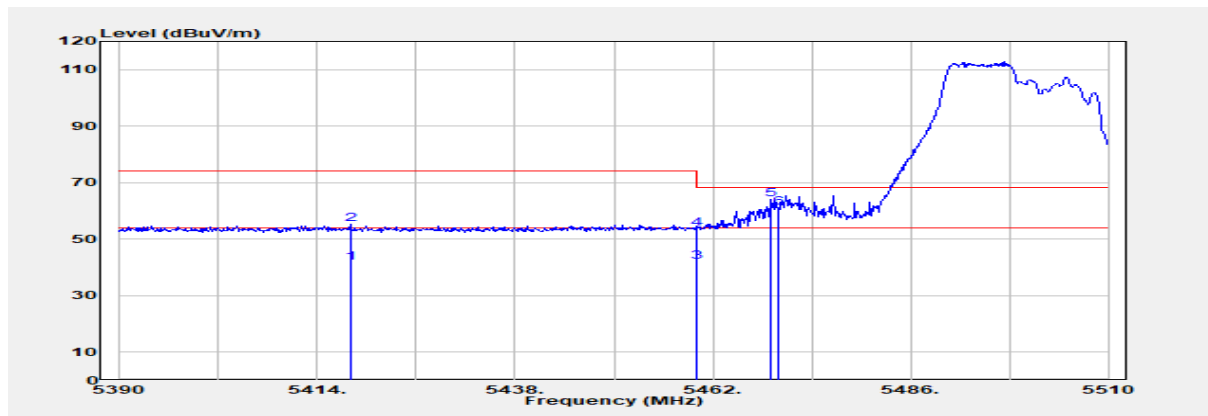
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5500 MHz
 Test Mode :BE CH LOW RU 106/53
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5417.960	Average	39.05	2.44	41.49	54.00	-12.51
5417.960	Peak	52.93	2.44	55.36	74.00	-18.64
5460.000	Average	39.26	2.64	41.90	54.00	-12.10
5460.000	Peak	51.16	2.64	53.80	74.00	-20.20
5469.080	Peak	61.21	2.76	63.97	68.20	-4.23
5470.000	Peak	58.21	2.77	60.98	68.20	-7.22

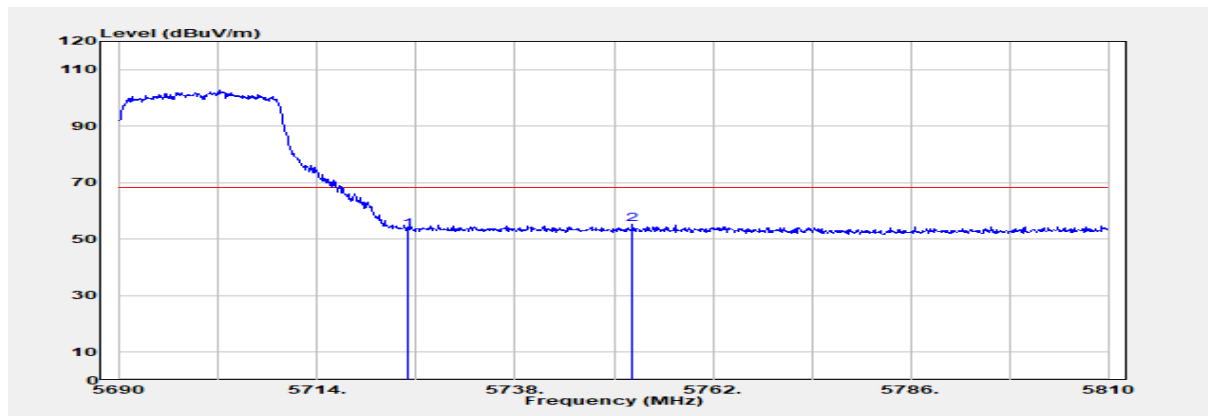
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5700 MHz
 Test Mode :BE CH HIGH RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5725.000	Peak	49.00	4.21	53.21	68.20	-14.99
5752.280	Peak	50.97	4.33	55.29	68.20	-12.91

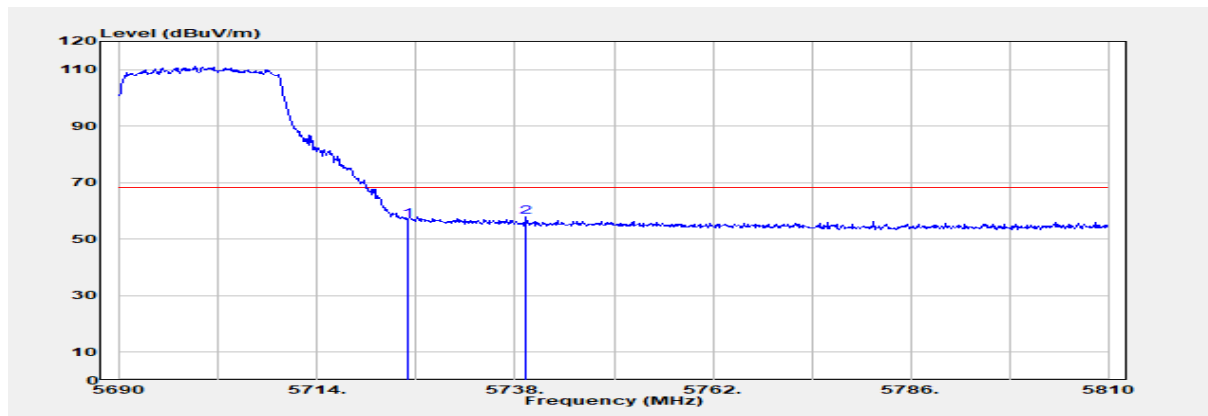
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5700 MHz
 Test Mode :BE CH HIGH RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5725.000	Peak	52.71	4.21	56.92	68.20	-11.28
5739.320	Peak	53.63	4.33	57.96	68.20	-10.24

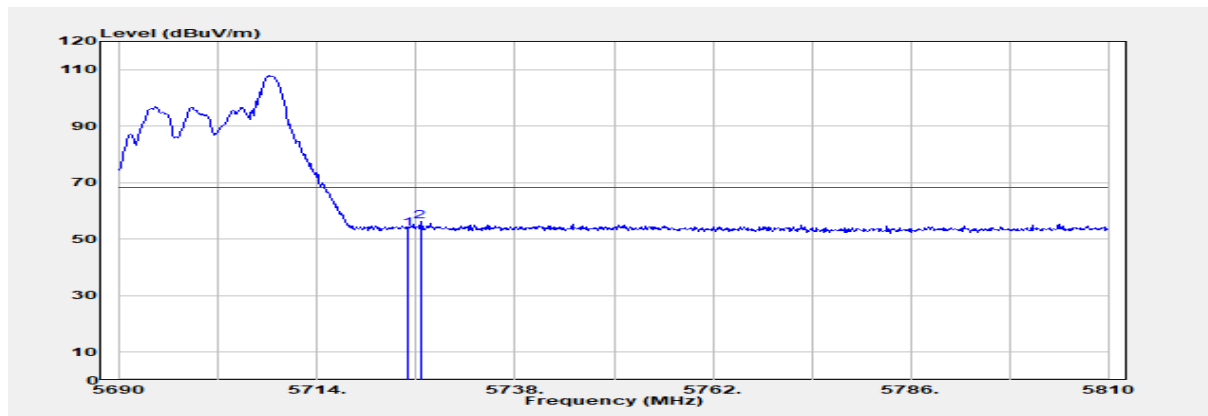
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5700 MHz
 Test Mode :BE CH HIGH RU 26/8
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5725.000	Peak	49.60	4.21	53.81	68.20	-14.39
5726.480	Peak	52.08	4.22	56.30	68.20	-11.90

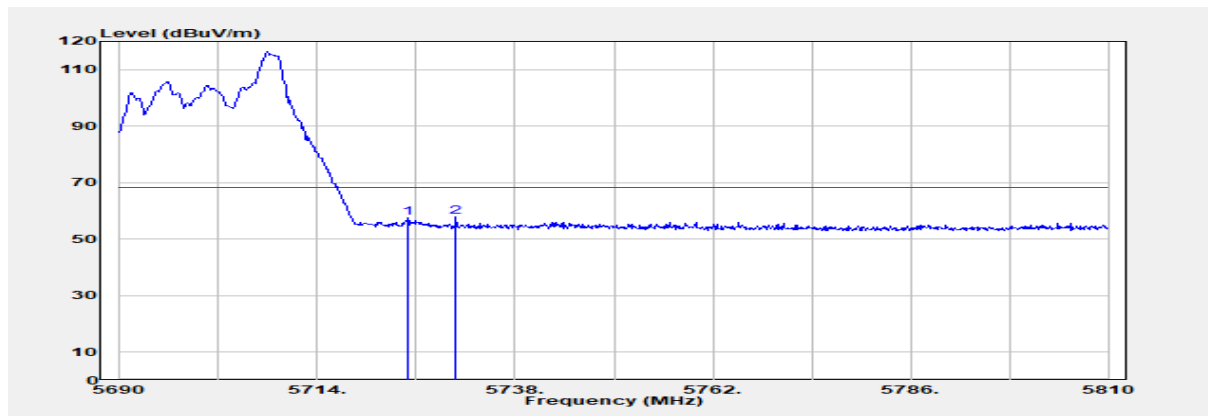
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5700 MHz
 Test Mode :BE CH HIGH RU 26/8
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



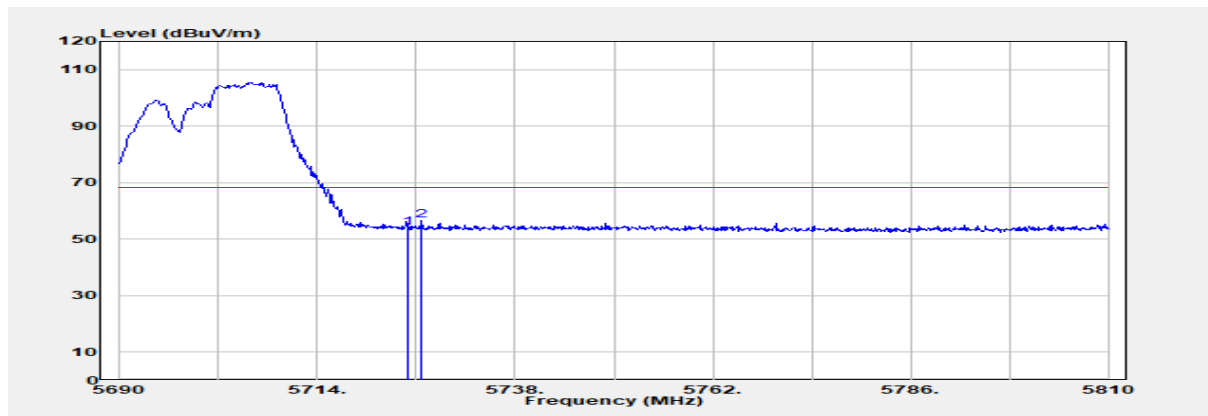
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	53.49	4.21	57.70	68.20	-10.50
5730.800	Peak	53.72	4.26	57.98	68.20	-10.22

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Report Number	:ER/2021/C0065	Test Site	:SAC G
Operation Mode	:802.11ax20	Test Date	:2022-01-20
Test Frequency	:5700 MHz	Temp./Humi.	:20.5/44
Test Mode	:BE CH HIGH RU 106/54	Antenna Pol.	:Vertical
EUT Pol	:NB Plane	Engineer	:Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	49.92	4.21	54.13	68.20	-14.07
5726.600	Peak	52.41	4.22	56.64	68.20	-11.56

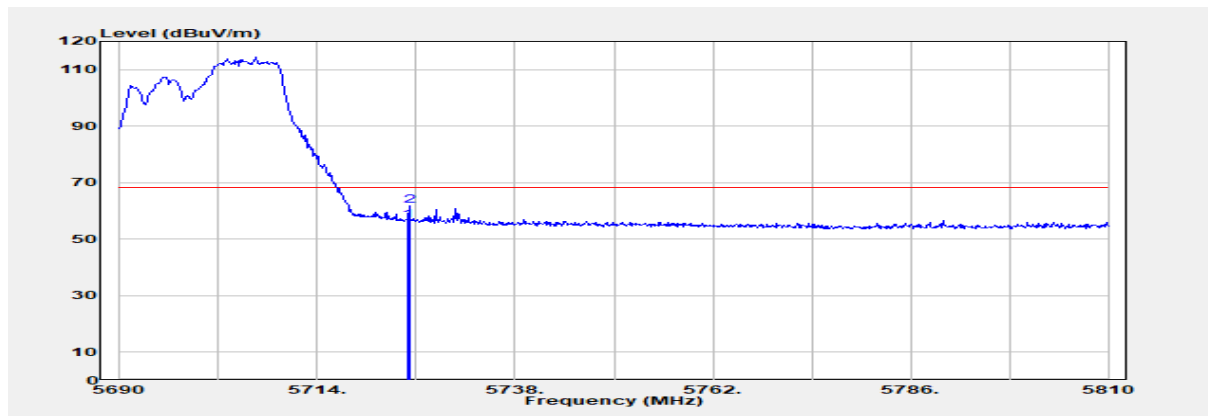
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5700 MHz
 Test Mode :BE CH HIGH RU 106/54
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5725.000	Peak	52.50	4.21	56.71	68.20	-11.49
5725.160	Peak	57.68	4.21	61.89	68.20	-6.31

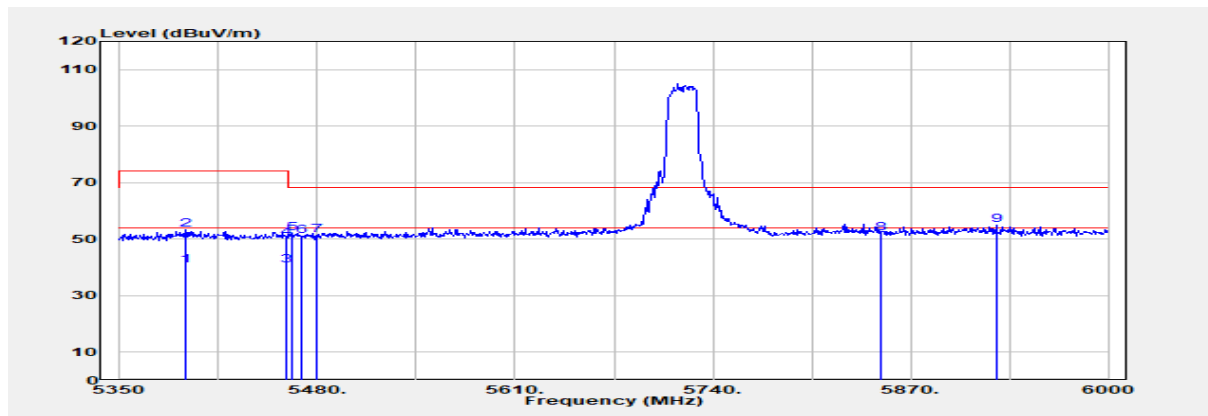
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5720 MHz
 Test Mode :BE CH MID RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5392.900	Average	38.07	2.60	40.66	54.00	-13.34
5392.900	Peak	50.67	2.60	53.27	74.00	-20.73
5460.000	Average	38.05	2.64	40.69	54.00	-13.31
5460.000	Peak	47.62	2.64	50.26	74.00	-23.74
5463.100	Peak	49.26	2.68	51.94	68.20	-16.26
5470.000	Peak	48.29	2.77	51.07	68.20	-17.13
5480.000	Peak	48.53	2.76	51.29	68.20	-16.91
5850.000	Peak	47.74	4.31	52.05	68.20	-16.15
5926.550	Peak	50.45	4.35	54.80	68.20	-13.40

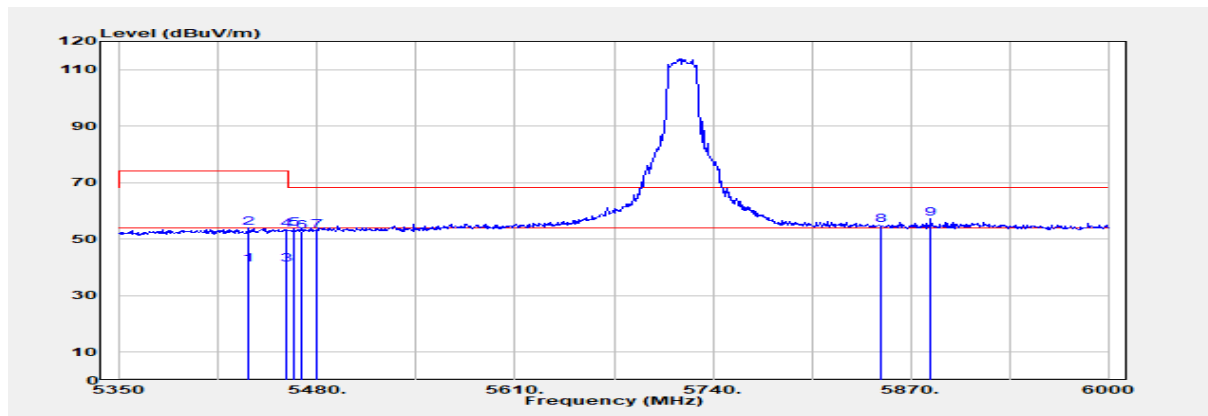
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5720 MHz
 Test Mode :BE CH MID RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5434.500	Average	38.46	2.36	40.82	54.00	-13.18
5434.500	Peak	51.73	2.36	54.09	74.00	-19.91
5460.000	Average	38.49	2.64	41.13	54.00	-12.87
5460.000	Peak	50.67	2.64	53.31	74.00	-20.69
5465.050	Peak	51.09	2.71	53.79	68.20	-14.41
5470.000	Peak	50.03	2.77	52.80	68.20	-15.40
5480.000	Peak	50.12	2.76	52.88	68.20	-15.32
5850.000	Peak	50.80	4.31	55.11	68.20	-13.09
5883.650	Peak	53.30	3.90	57.20	68.20	-11.00

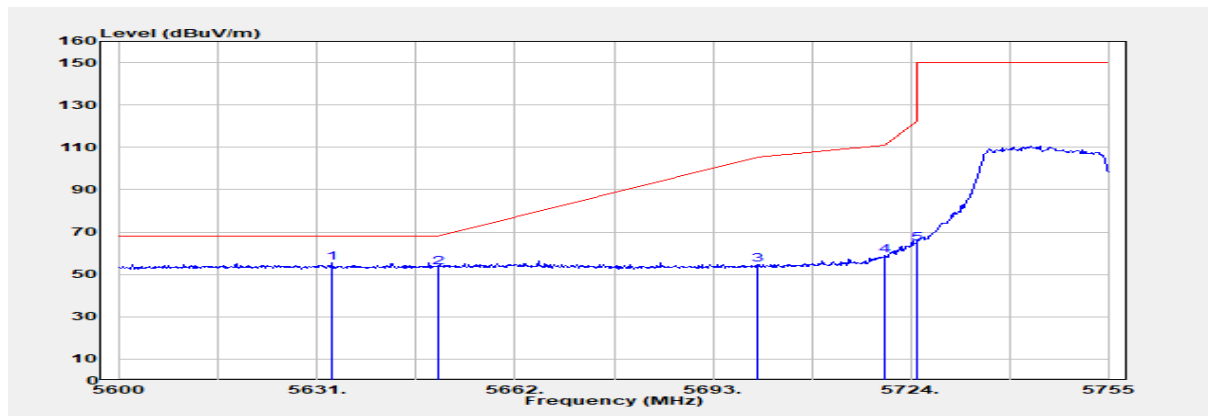
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5745 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5633.170	Peak	51.96	3.46	55.42	68.20	-12.78
5650.000	Peak	49.90	3.60	53.50	68.20	-14.70
5700.000	Peak	51.13	3.31	54.44	105.20	-50.76
5720.000	Peak	54.97	4.17	59.14	110.80	-51.66
5725.000	Peak	60.44	4.21	64.65	122.20	-57.55

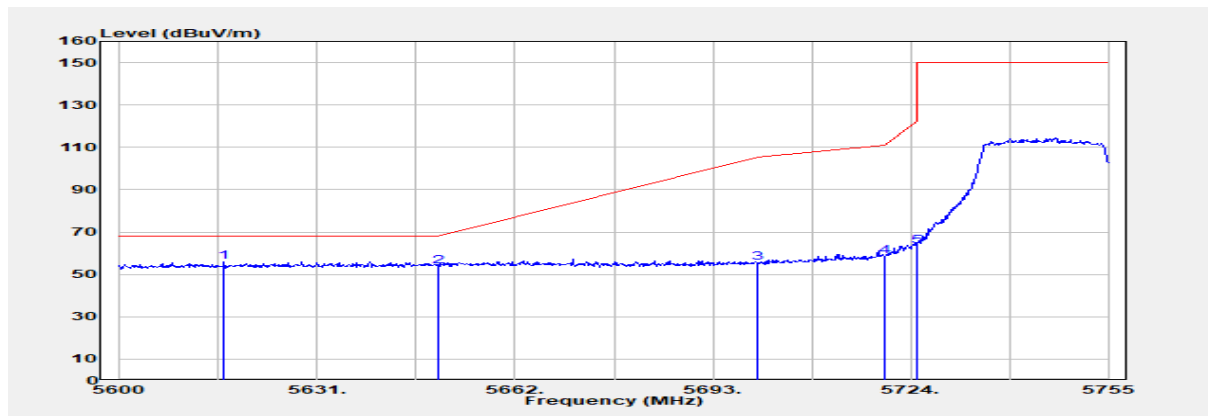
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5745 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5616.275	Peak	52.50	3.41	55.91	68.20	-12.29
5650.000	Peak	50.31	3.60	53.91	68.20	-14.29
5700.000	Peak	52.17	3.31	55.48	105.20	-49.72
5720.000	Peak	54.29	4.17	58.46	110.80	-52.34
5725.000	Peak	59.12	4.21	63.33	122.20	-58.87

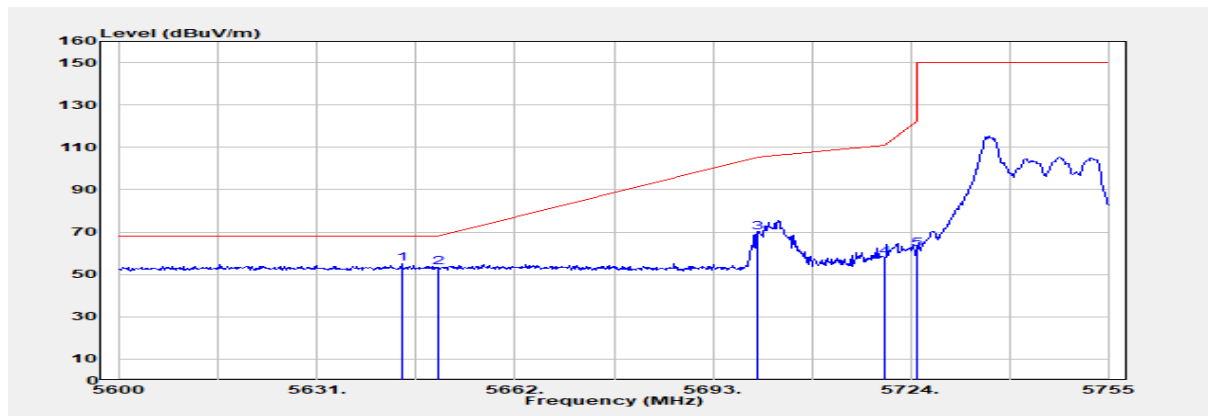
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5745 MHz
 Test Mode :BE CH LOW RU 26/0
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5644.175	Peak	51.56	3.49	55.05	68.20	-13.15
5650.000	Peak	49.82	3.60	53.42	68.20	-14.78
5700.000	Peak	66.32	3.31	69.63	105.20	-35.57
5720.000	Peak	54.04	4.17	58.21	110.80	-52.59
5725.000	Peak	57.73	4.21	61.94	122.20	-60.26

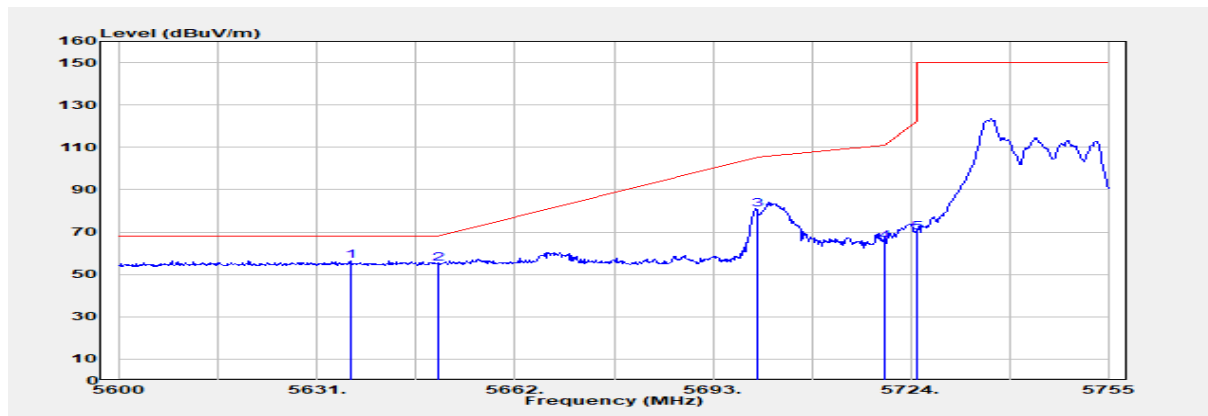
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5745 MHz
 Test Mode :BE CH LOW RU 26/0
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5636.115	Peak	52.77	3.44	56.21	68.20	-11.99
5650.000	Peak	51.32	3.60	54.92	68.20	-13.28
5700.000	Peak	77.55	3.31	80.86	105.20	-24.34
5720.000	Peak	61.49	4.17	65.67	110.80	-45.13
5725.000	Peak	65.76	4.21	69.97	122.20	-52.23

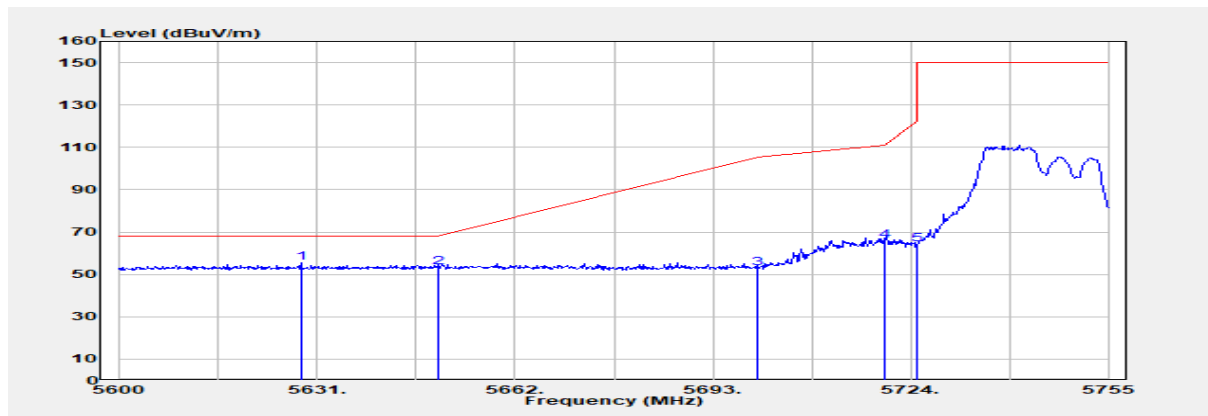
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5745 MHz
 Test Mode :BE CH LOW RU 106/53
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5628.365	Peak	51.90	3.48	55.38	68.20	-12.82
5650.000	Peak	49.66	3.60	53.26	68.20	-14.94
5700.000	Peak	49.66	3.31	52.97	105.20	-52.23
5720.000	Peak	61.94	4.17	66.11	110.80	-44.69
5725.000	Peak	59.92	4.21	64.14	122.20	-58.06

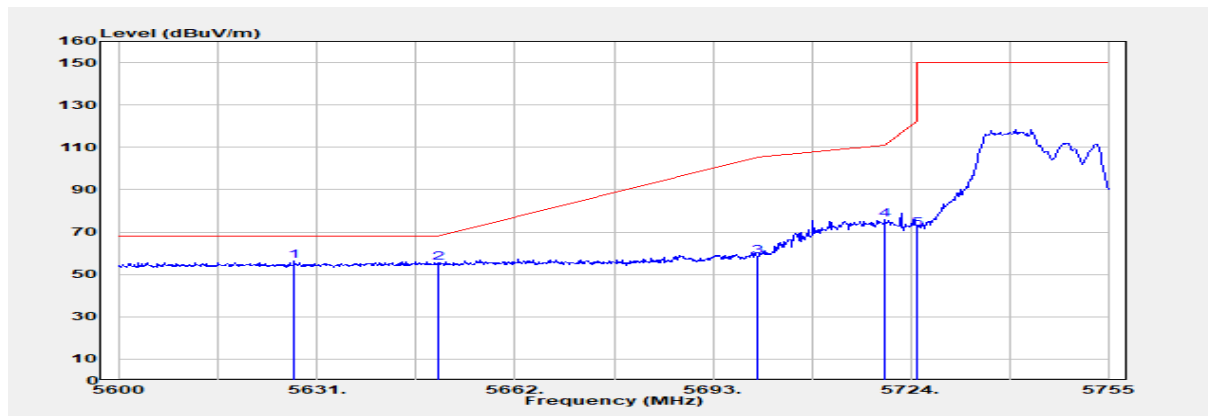
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5745 MHz
 Test Mode :BE CH LOW RU 106/53
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5627.435	Peak	52.70	3.48	56.18	68.20	-12.02
5650.000	Peak	51.81	3.60	55.41	68.20	-12.79
5700.000	Peak	55.32	3.31	58.63	105.20	-46.57
5720.000	Peak	71.63	4.17	75.80	110.80	-35.00
5725.000	Peak	67.40	4.21	71.61	122.20	-50.59

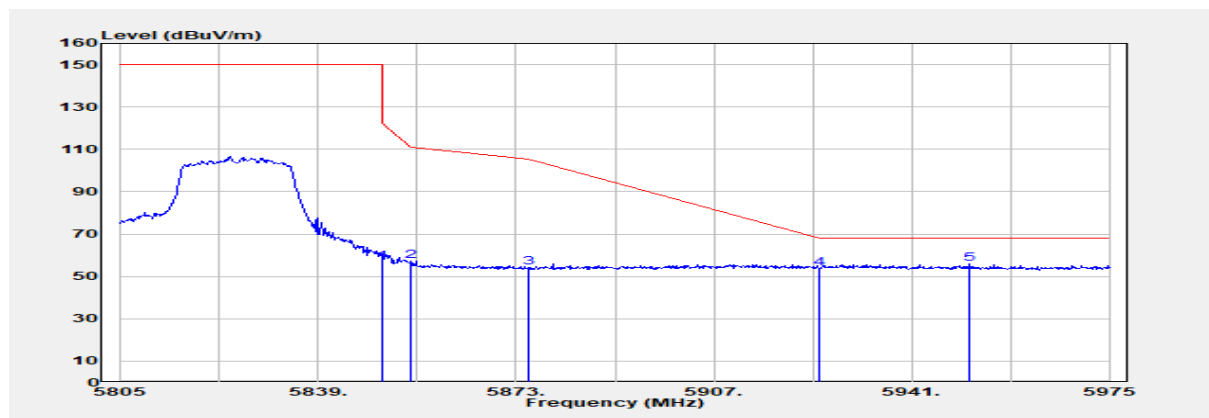
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5825 MHz
 Test Mode :BE CH HIGH RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	52.46	4.31	56.77	122.20	-65.43
5855.000	Peak	52.87	4.21	57.08	110.80	-53.72
5875.000	Peak	50.18	3.90	54.08	105.20	-51.12
5925.000	Peak	49.48	4.36	53.84	68.20	-14.36
5951.030	Peak	51.77	4.02	55.79	68.20	-12.41

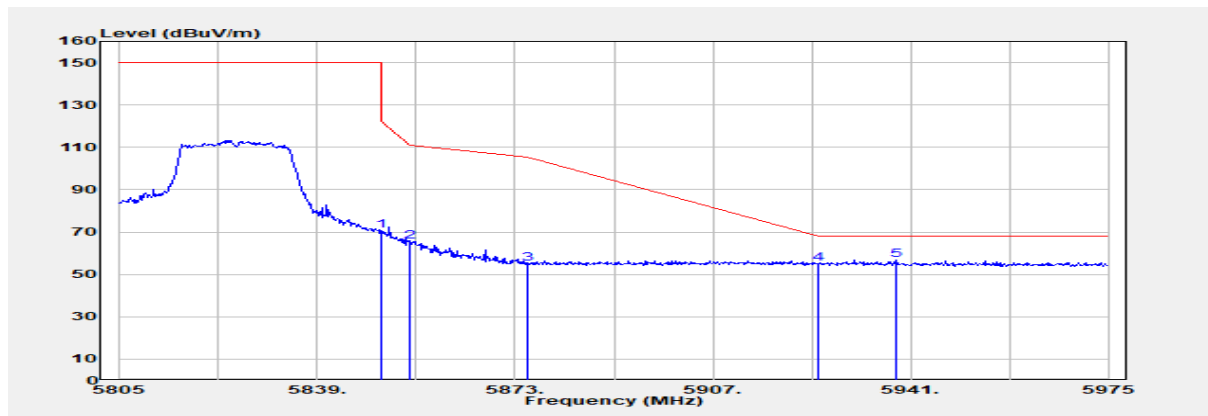
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5825 MHz
 Test Mode :BE CH HIGH RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	66.38	4.31	70.69	122.20	-51.51
5855.000	Peak	61.31	4.21	65.52	110.80	-45.28
5875.000	Peak	51.16	3.90	55.06	105.20	-50.14
5925.000	Peak	50.69	4.36	55.05	68.20	-13.15
5938.620	Peak	52.68	4.16	56.84	68.20	-11.36

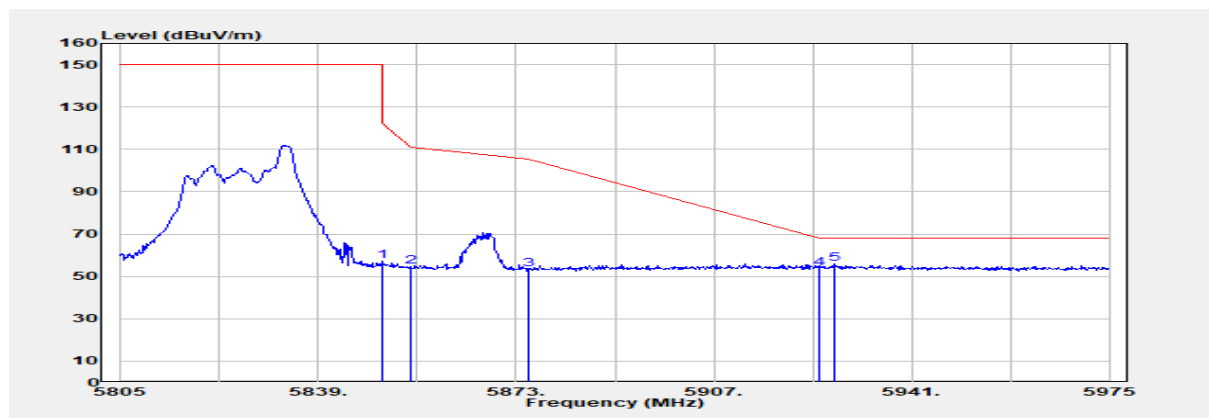
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5825 MHz
 Test Mode :BE CH HIGH RU 26/8
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	52.75	4.31	57.06	122.20	-65.14
5855.000	Peak	50.48	4.21	54.69	110.80	-56.11
5875.000	Peak	49.25	3.90	53.15	105.20	-52.05
5925.000	Peak	49.28	4.36	53.64	68.20	-14.56
5927.740	Peak	51.60	4.35	55.94	68.20	-12.26

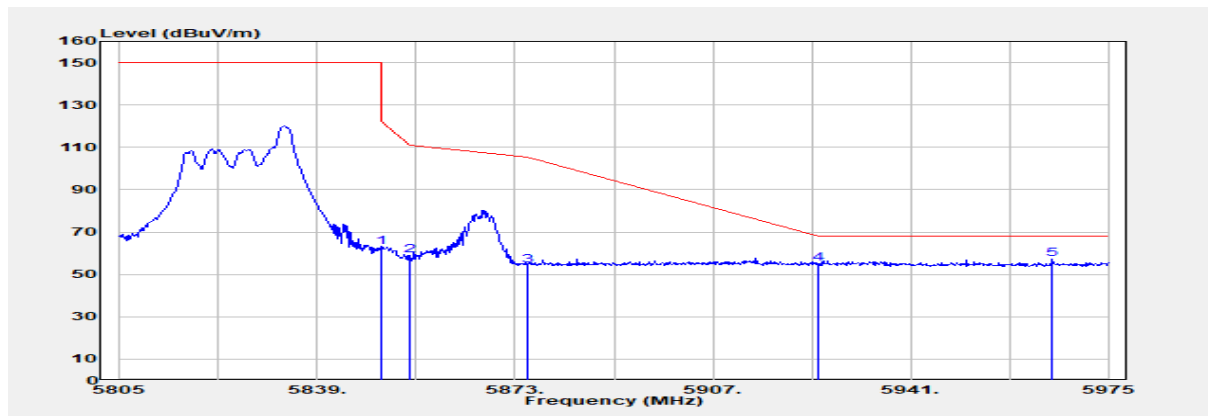
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5825 MHz
 Test Mode :BE CH HIGH RU 26/8
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	58.54	4.31	62.85	122.20	-59.35
5855.000	Peak	54.63	4.21	58.84	110.80	-51.96
5875.000	Peak	50.28	3.90	54.18	105.20	-51.02
5925.000	Peak	50.54	4.36	54.89	68.20	-13.31
5965.480	Peak	53.24	3.85	57.09	68.20	-11.11

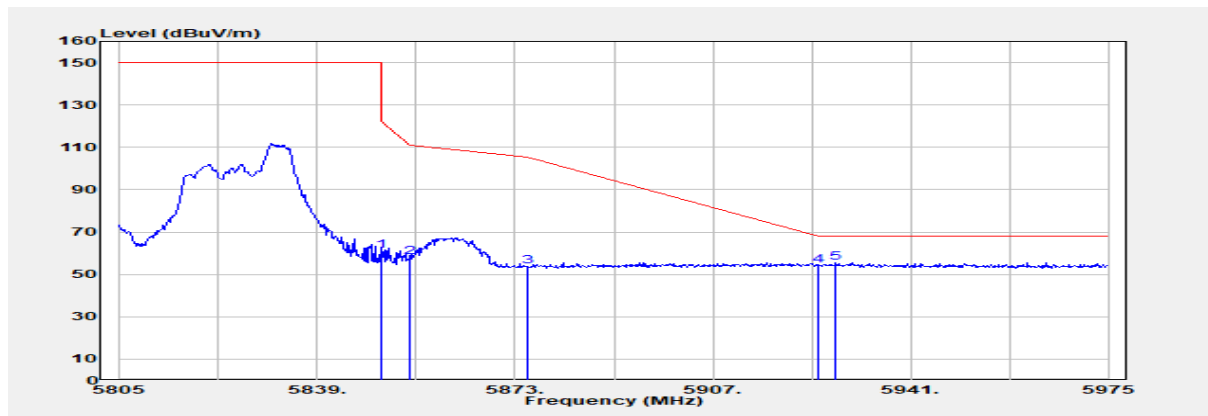
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5825 MHz
 Test Mode :BE CH HIGH RU 52/40
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



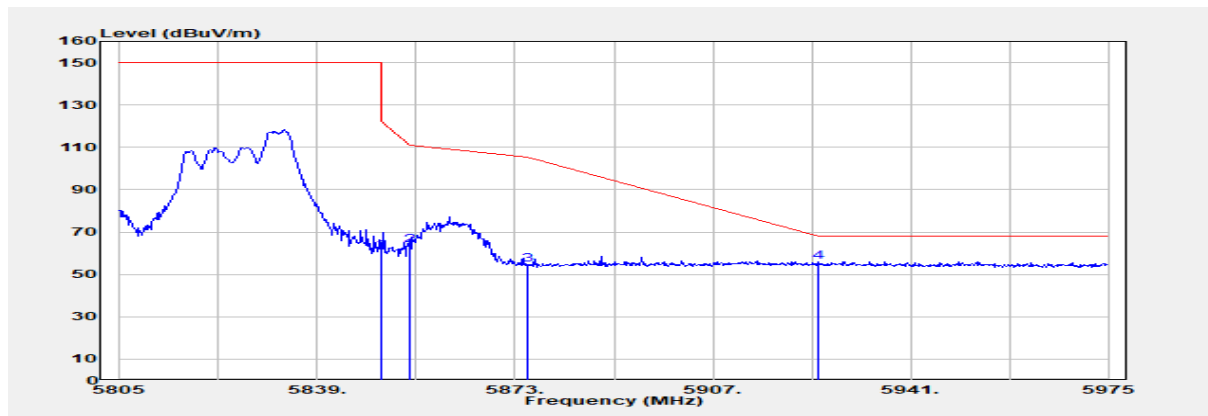
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	56.80	4.31	61.11	122.20	-61.09
5855.000	Peak	53.75	4.21	57.96	110.80	-52.84
5875.000	Peak	49.84	3.90	53.74	105.20	-51.46
5925.000	Peak	49.73	4.36	54.08	68.20	-14.12
5928.080	Peak	51.11	4.35	55.46	68.20	-12.74

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Report Number	:ER/2021/C0065	Test Site	:SAC G
Operation Mode	:802.11ax20	Test Date	:2022-01-20
Test Frequency	:5825 MHz	Temp./Humi.	:20.5/44
Test Mode	:BE CH HIGH RU 52/40	Antenna Pol.	:Horizontal
EUT Pol	:NB Plane	Engineer	:Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	56.89	4.31	61.20	122.20	-61.00
5855.000	Peak	59.39	4.21	63.60	110.80	-47.20
5875.000	Peak	50.69	3.90	54.59	105.20	-50.61
5925.000	Peak	51.54	4.36	55.90	68.20	-12.30

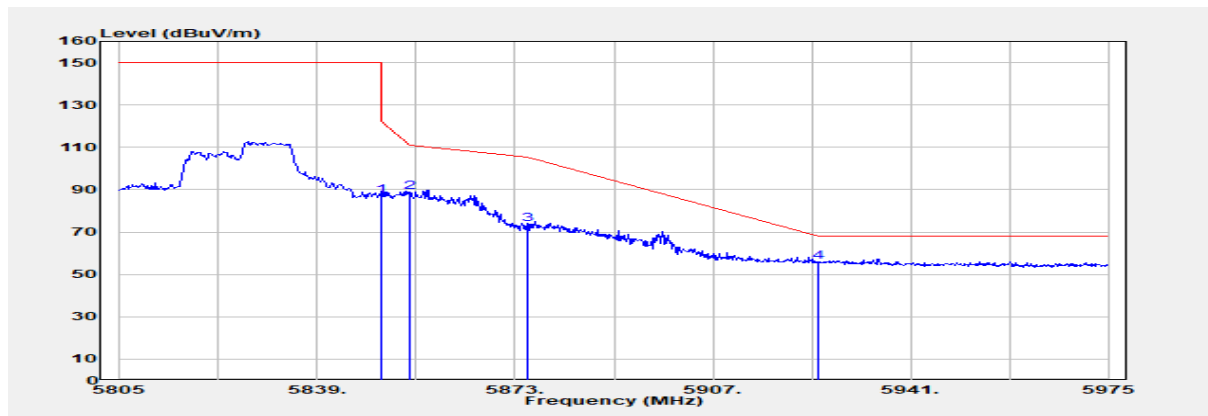
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5825 MHz
 Test Mode :BE CH HIGH RU 106/54
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Vertical
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	82.63	4.31	86.94	122.20	-35.26
5855.000	Peak	84.59	4.21	88.80	110.80	-22.00
5875.000	Peak	69.77	3.90	73.67	105.20	-31.53
5925.000	Peak	51.66	4.36	56.02	68.20	-12.18

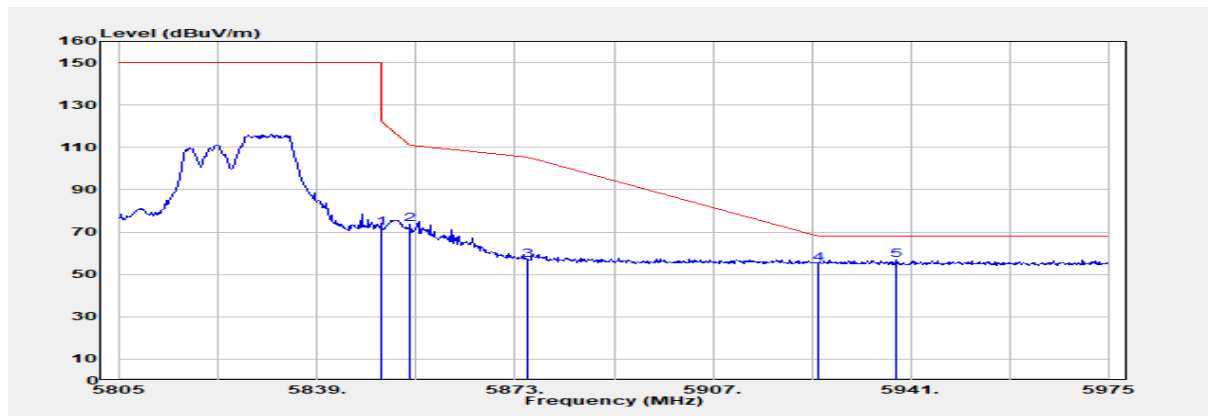
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax20
 Test Frequency :5825 MHz
 Test Mode :BE CH HIGH RU 106/54
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :20.5/44
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	67.61	4.31	71.92	122.20	-50.28
5855.000	Peak	69.60	4.21	73.81	110.80	-36.99
5875.000	Peak	52.90	3.90	56.80	105.20	-48.40
5925.000	Peak	50.80	4.36	55.16	68.20	-13.04
5938.450	Peak	52.68	4.16	56.85	68.20	-11.35

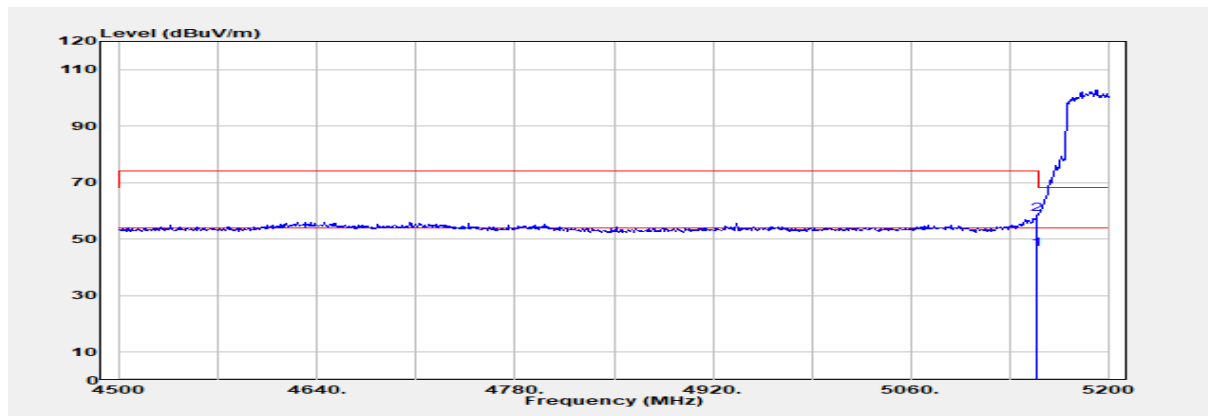
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax40
 Test Frequency :5190 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5150.000	Average	43.38	3.03	46.41	54.00	-7.59
5150.000	Peak	55.72	3.03	58.75	74.00	-15.25

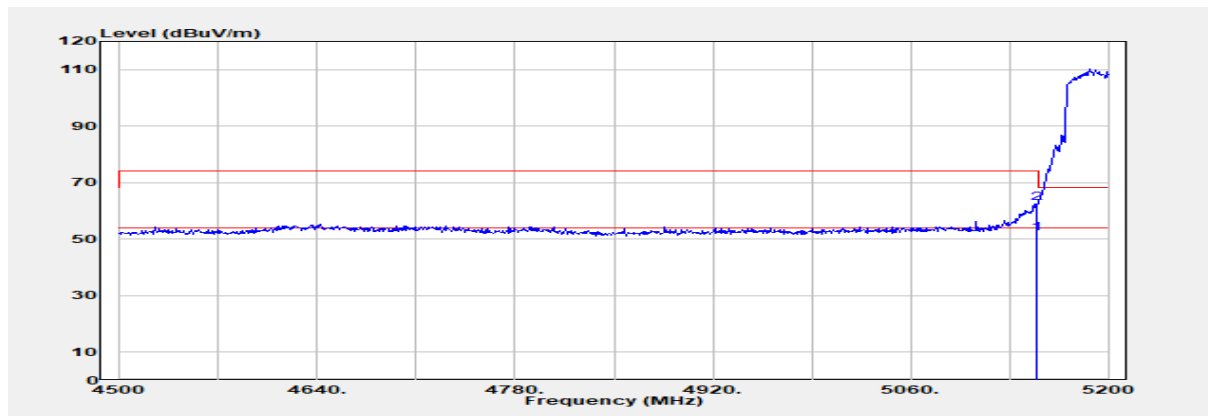
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax40
 Test Frequency :5190 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5150.000	Average	48.84	3.03	51.87	54.00	-2.13
5150.000	Peak	59.58	3.03	62.61	74.00	-11.39

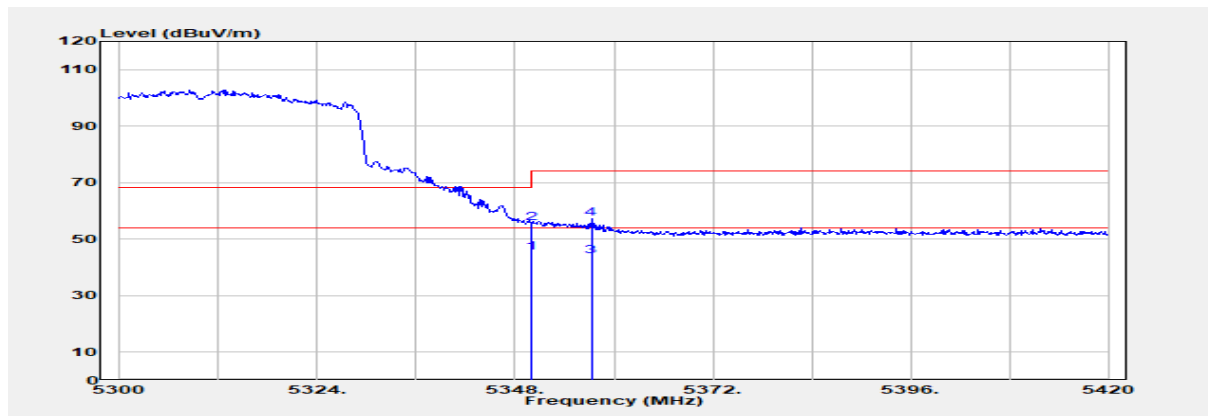
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax40
 Test Frequency :5310 MHz
 Test Mode :BE CH HIGH RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



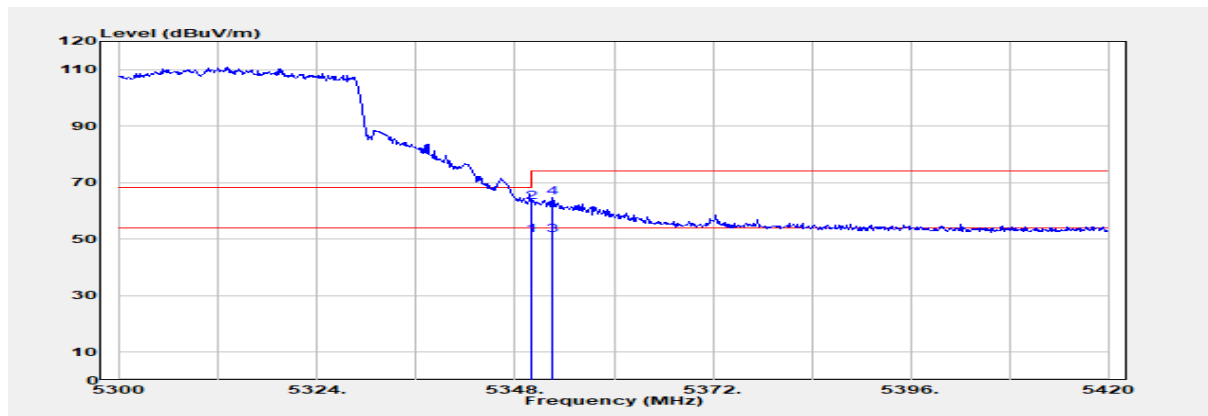
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	43.11	2.21	45.32	54.00	-8.69
5350.000	Peak	53.47	2.21	55.68	74.00	-18.32
5357.240	Average	41.59	2.22	43.81	54.00	-10.19
5357.240	Peak	55.11	2.22	57.33	74.00	-16.67

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Report Number	:ER/2021/C0065	Test Site	:SAC G
Operation Mode	:802.11ax40	Test Date	:2022-01-20
Test Frequency	:5310 MHz	Temp./Humi.	:21.6/54
Test Mode	:BE CH HIGH RU FULL	Antenna Pol.	:Horizontal
EUT Pol	:NB Plane	Engineer	:Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	49.17	2.21	51.38	54.00	-2.62
5350.000	Peak	60.81	2.21	63.02	74.00	-10.98
5352.440	Average	49.14	2.21	51.36	54.00	-2.64
5352.440	Peak	62.37	2.21	64.58	74.00	-9.42

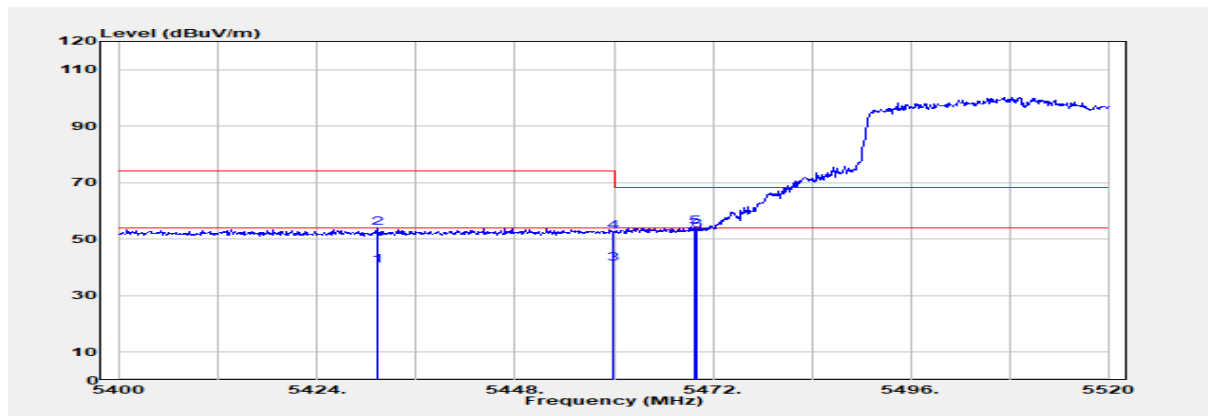
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax40
 Test Frequency :5510 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5431.200	Average	38.11	2.39	40.50	54.00	-13.50
5431.200	Peak	51.45	2.39	53.84	74.00	-20.16
5460.000	Average	38.54	2.64	41.18	54.00	-12.82
5460.000	Peak	50.07	2.64	52.71	74.00	-21.29
5469.720	Peak	51.66	2.77	54.43	68.20	-13.77
5470.000	Peak	50.32	2.77	53.09	68.20	-15.11

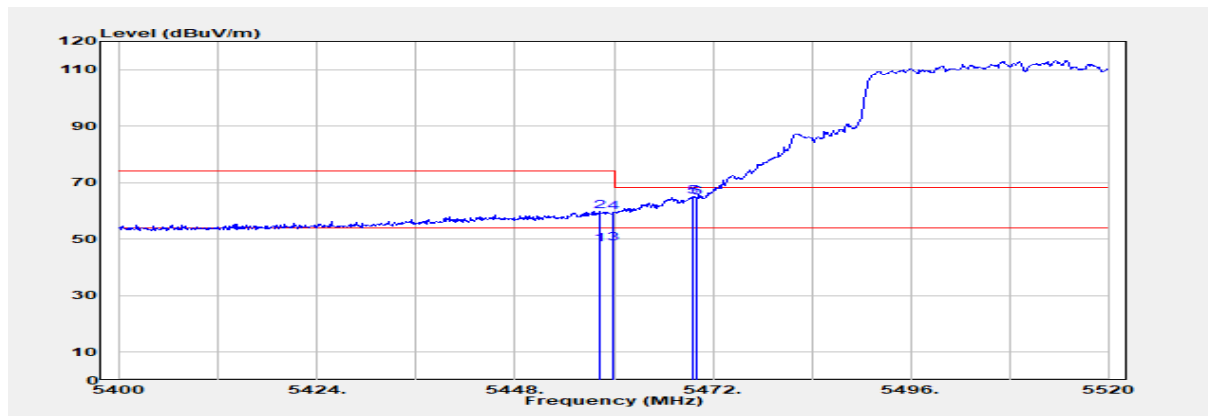
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax40
 Test Frequency :5510 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5458.320	Average	45.38	2.63	48.02	54.00	-5.98
5458.320	Peak	57.19	2.63	59.82	74.00	-14.18
5460.000	Average	45.85	2.64	48.49	54.00	-5.51
5460.000	Peak	56.75	2.64	59.39	74.00	-14.61
5469.600	Peak	62.35	2.76	65.11	68.20	-3.09
5470.000	Peak	62.09	2.77	64.86	68.20	-3.34

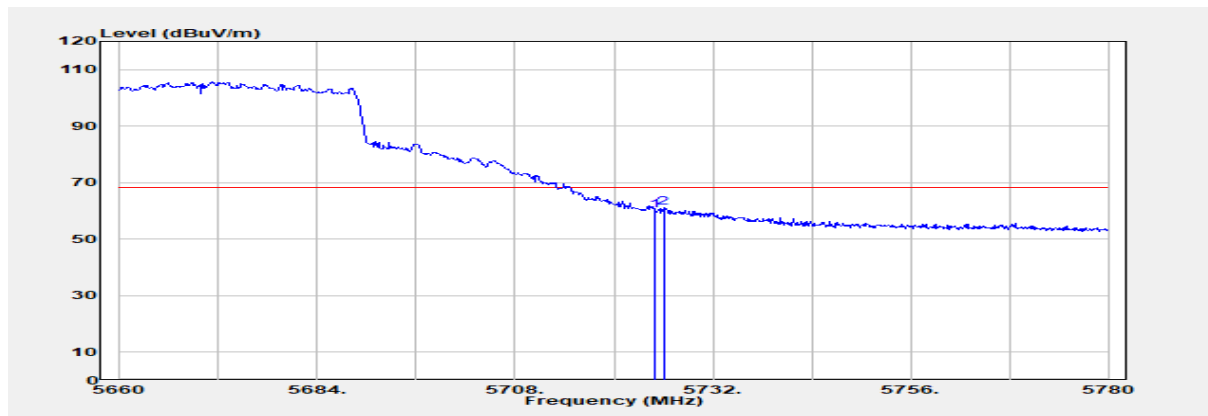
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax40
 Test Frequency :5670 MHz
 Test Mode :BE CH HIGH RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5725.000	Peak	55.97	4.21	60.18	68.20	-8.02
5726.000	Peak	56.89	4.22	61.11	68.20	-7.09

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ax40

Test Date :2022-01-20

Test Frequency :5670 MHz

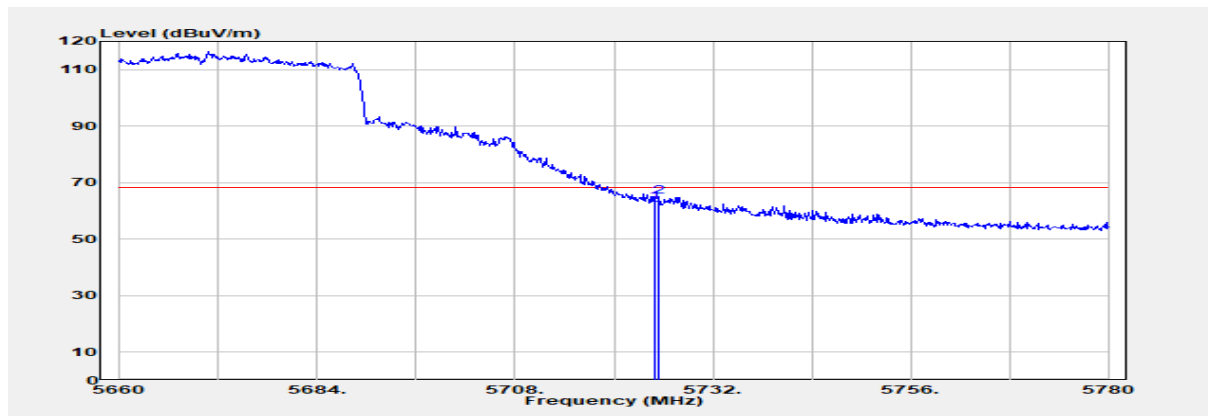
Temp./Humi. :21.6/54

Test Mode :BE CH HIGH RU FULL

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	58.82	4.21	63.03	68.20	-5.17
5725.520	Peak	60.67	4.21	64.88	68.20	-3.32

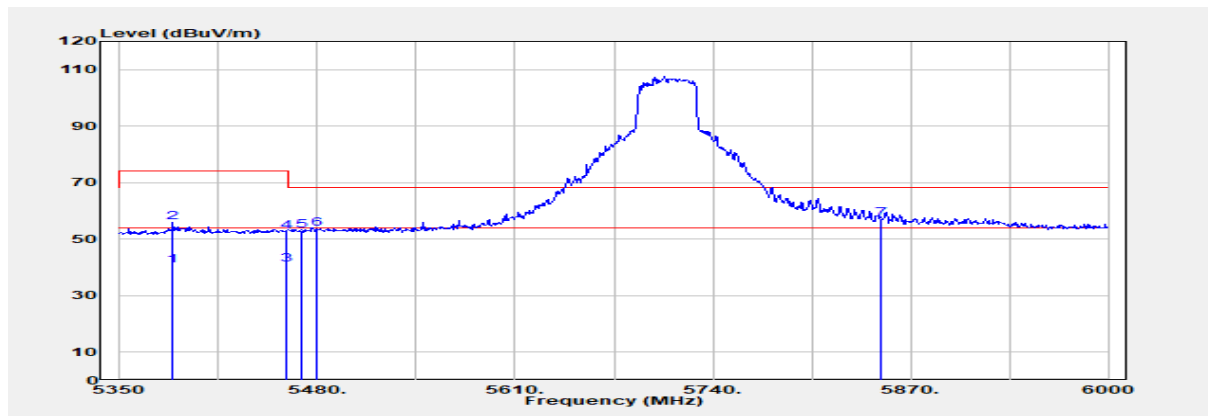
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax40
 Test Frequency :5710 MHz
 Test Mode :BE CH MID RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5385.100	Average	38.05	2.48	40.53	54.00	-13.47
5385.100	Peak	53.39	2.48	55.87	74.00	-18.13
5460.000	Average	38.24	2.64	40.88	54.00	-13.12
5460.000	Peak	50.13	2.64	52.77	74.00	-21.23
5470.000	Peak	50.31	2.77	53.08	68.20	-15.12
5480.000	Peak	50.81	2.76	53.57	68.20	-14.63
5850.000	Peak	53.07	4.31	57.38	68.20	-10.82

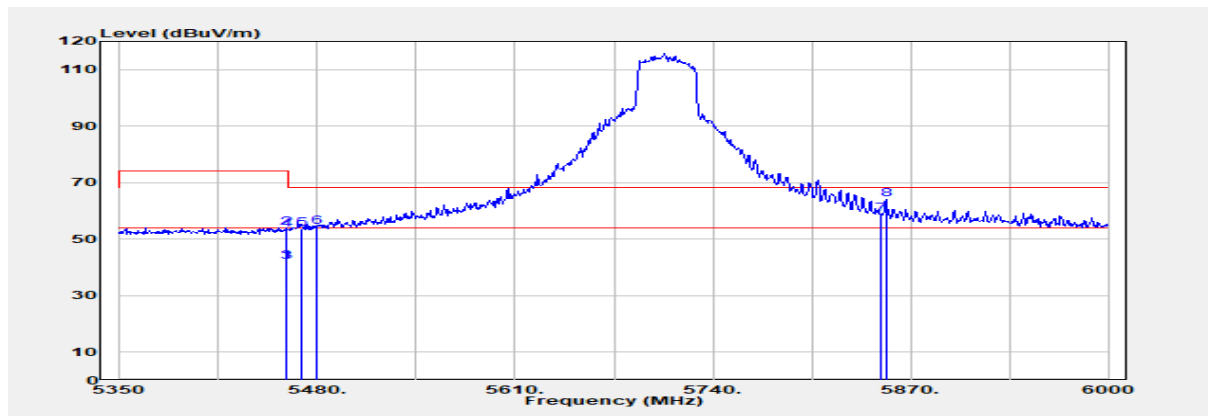
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax40
 Test Frequency :5710 MHz
 Test Mode :BE CH MID RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5459.200	Average	39.25	2.64	41.89	54.00	-12.11
5459.200	Peak	51.39	2.64	54.03	74.00	-19.97
5460.000	Average	39.27	2.64	41.91	54.00	-12.09
5460.000	Peak	50.69	2.64	53.33	74.00	-20.67
5470.000	Peak	50.94	2.77	53.71	68.20	-14.49
5480.000	Peak	51.40	2.76	54.16	68.20	-14.04
5850.000	Peak	54.56	4.31	58.87	68.20	-9.33
5853.750	Peak	59.84	4.23	64.07	68.20	-4.13

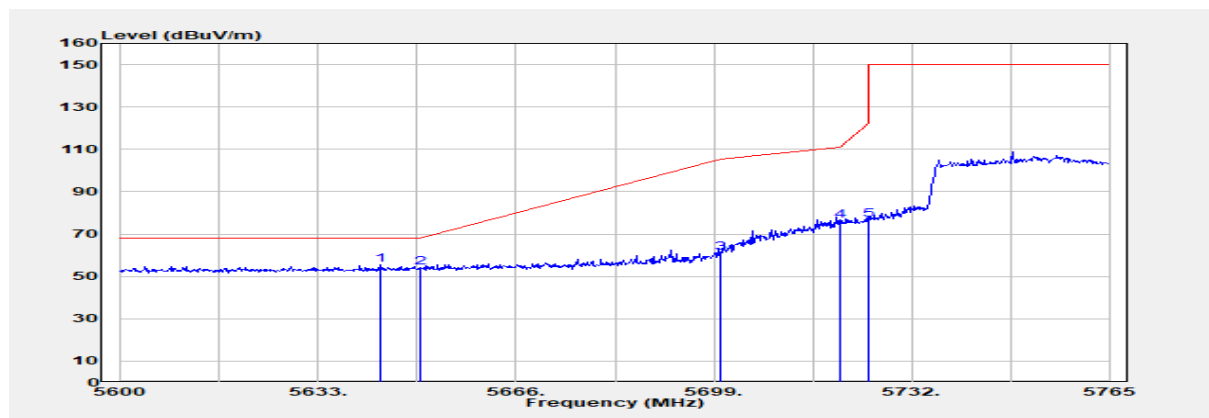
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax40
 Test Frequency :5755 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5643.230	Peak	51.85	3.47	55.32	68.20	-12.88
5650.000	Peak	50.43	3.60	54.03	68.20	-14.17
5700.000	Peak	57.93	3.31	61.24	105.20	-43.96
5720.000	Peak	72.16	4.17	76.33	110.80	-34.47
5725.000	Peak	72.35	4.21	76.56	122.20	-45.64

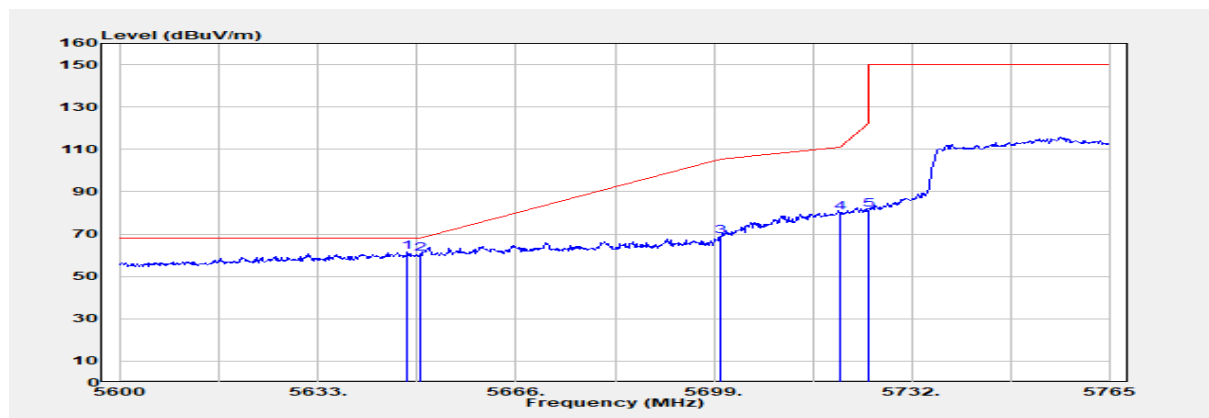
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax40
 Test Frequency :5755 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5647.850	Peak	57.89	3.56	61.45	68.20	-6.75
5650.000	Peak	57.01	3.60	60.61	68.20	-7.59
5700.000	Peak	65.81	3.31	69.12	105.20	-36.08
5720.000	Peak	76.03	4.17	80.20	110.80	-30.60
5725.000	Peak	77.49	4.21	81.70	122.20	-40.50

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ax40

Test Date :2022-01-20

Test Frequency :5795 MHz

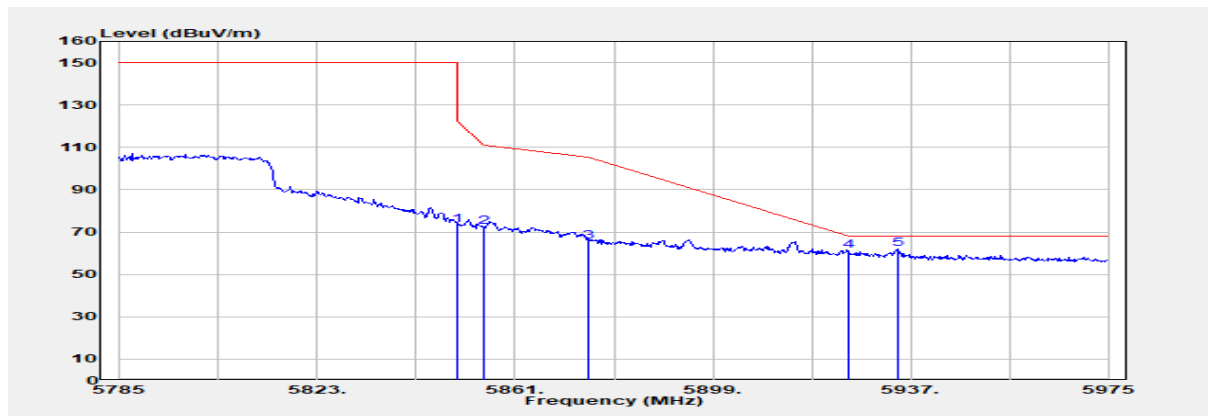
Temp./Humi. :21.6/54

Test Mode :BE CH HIGH RU FULL

Antenna Pol. :Vertical

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	68.87	4.31	73.18	122.20	-49.02
5855.000	Peak	68.31	4.21	72.52	110.80	-38.28
5875.000	Peak	61.79	3.90	65.69	105.20	-39.51
5925.000	Peak	56.70	4.36	61.06	68.20	-7.14
5934.530	Peak	57.64	4.25	61.89	68.20	-6.31

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ax40

Test Date :2022-01-20

Test Frequency :5795 MHz

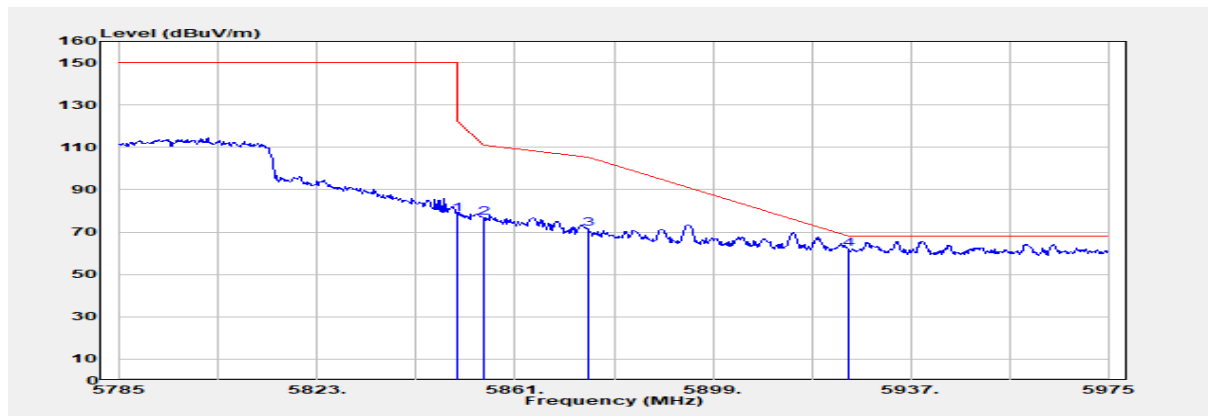
Temp./Humi. :21.6/54

Test Mode :BE CH HIGH RU FULL

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	74.36	4.31	78.67	122.20	-43.53
5855.000	Peak	72.60	4.21	76.81	110.80	-33.99
5875.000	Peak	67.72	3.90	71.62	105.20	-33.58
5925.000	Peak	57.83	4.36	62.18	68.20	-6.02

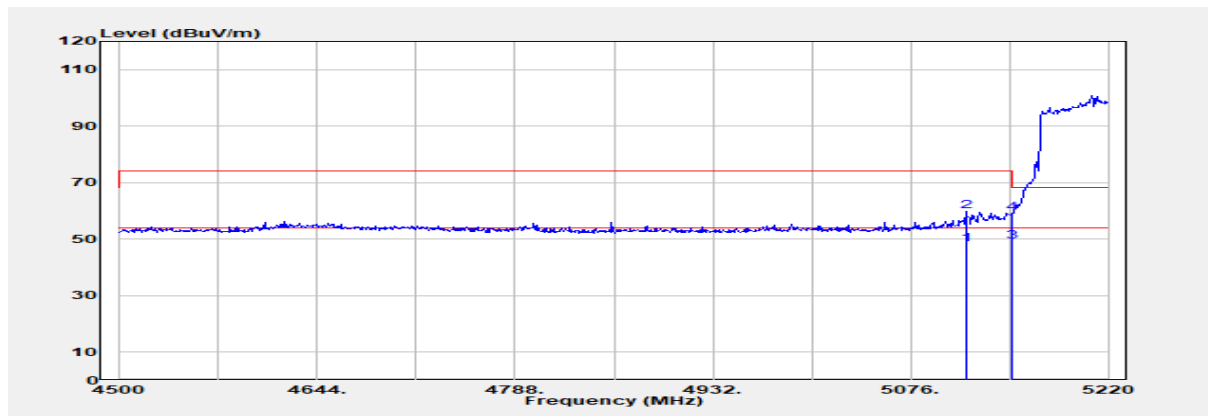
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax80
 Test Frequency :5210 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5116.320	Average	45.66	2.55	48.21	54.00	-5.79
5116.320	Peak	57.43	2.55	59.98	74.00	-14.02
5150.000	Average	45.95	3.03	48.98	54.00	-5.02
5150.000	Peak	56.00	3.03	59.03	74.00	-14.97

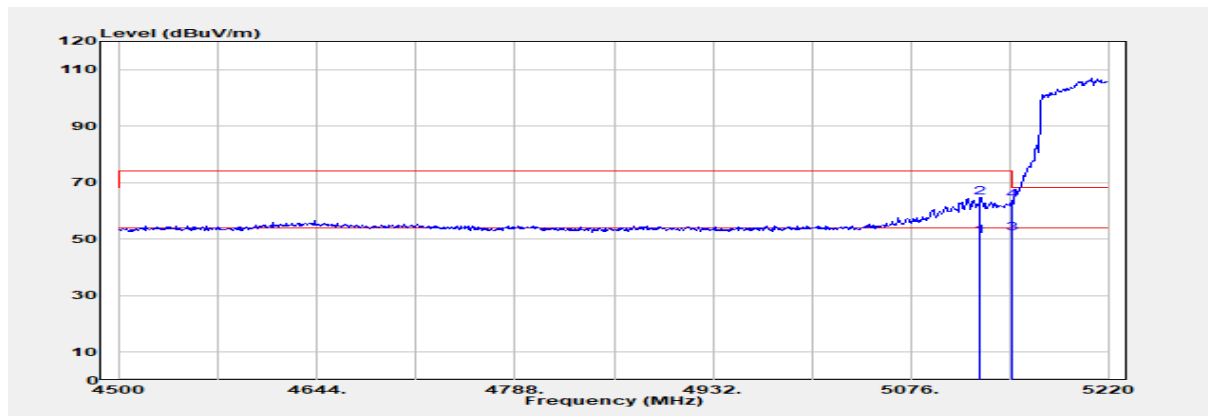
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax80
 Test Frequency :5210 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5127.120	Average	48.53	2.64	51.17	54.00	-2.83
5127.120	Peak	62.21	2.64	64.85	74.00	-9.15
5150.000	Average	48.95	3.03	51.98	54.00	-2.02
5150.000	Peak	60.57	3.03	63.60	74.00	-10.40

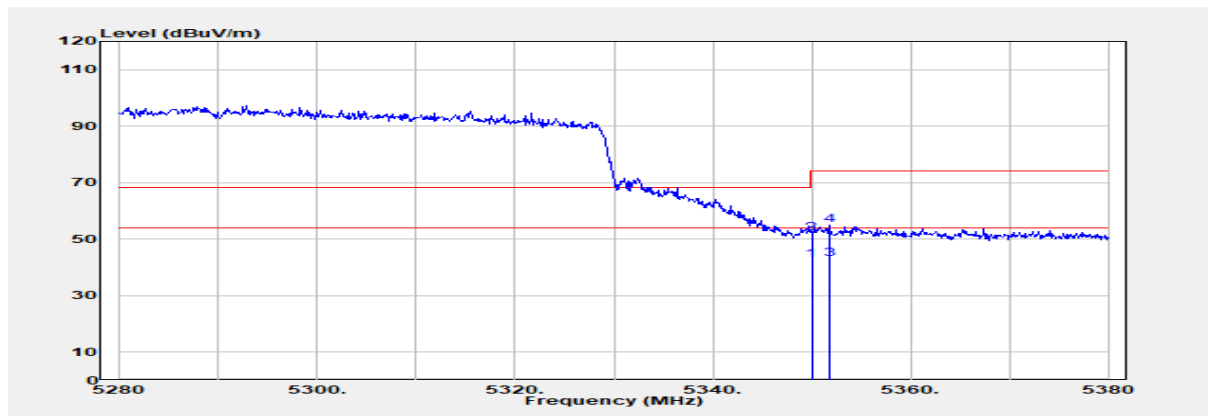
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax80
 Test Frequency :5290 MHz
 Test Mode :BE CH HIGH RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	40.30	2.21	42.51	54.00	-11.49
5350.000	Peak	49.90	2.21	52.11	74.00	-21.89
5351.800	Average	40.82	2.21	43.03	54.00	-10.97
5351.800	Peak	52.74	2.21	54.95	74.00	-19.05

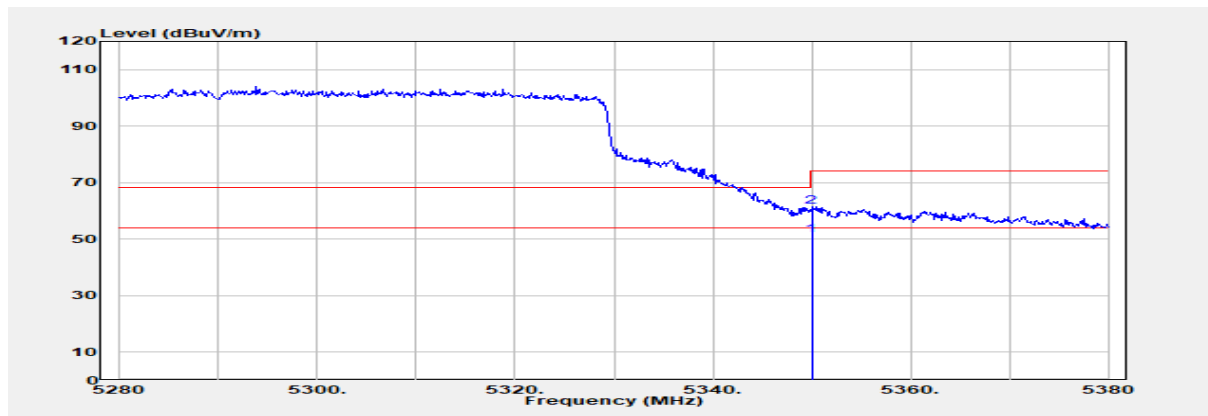
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax80
 Test Frequency :5290 MHz
 Test Mode :BE CH HIGH RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	49.05	2.21	51.26	54.00	-2.74
5350.000	Peak	59.16	2.21	61.37	74.00	-12.63

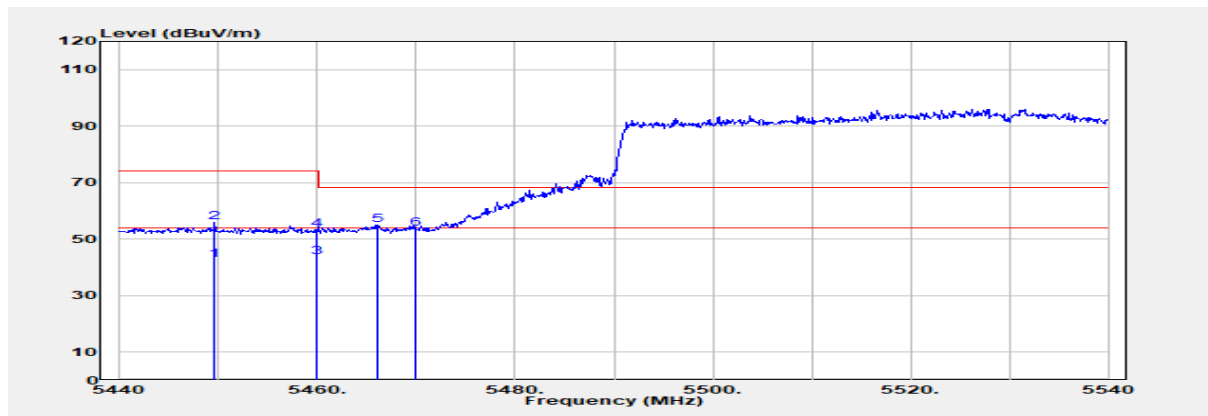
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Report Number :ER/2021/C0065
Operation Mode :802.11ax80
Test Frequency :5530 MHz
Test Mode :BE CH LOW RU FULL
EUT Pol :NB Plane

Test Site :SAC G
Test Date :2022-01-20
Temp./Humi. :21.6/54
Antenna Pol. :Vertical
Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5449.600	Average	40.03	2.59	42.62	54.00	-11.38
5449.600	Peak	53.35	2.59	55.94	74.00	-18.06
5460.000	Average	40.90	2.64	43.54	54.00	-10.46
5460.000	Peak	50.68	2.64	53.32	74.00	-20.68
5466.100	Peak	52.32	2.72	55.04	68.20	-13.16
5470.000	Peak	50.90	2.77	53.67	68.20	-14.53

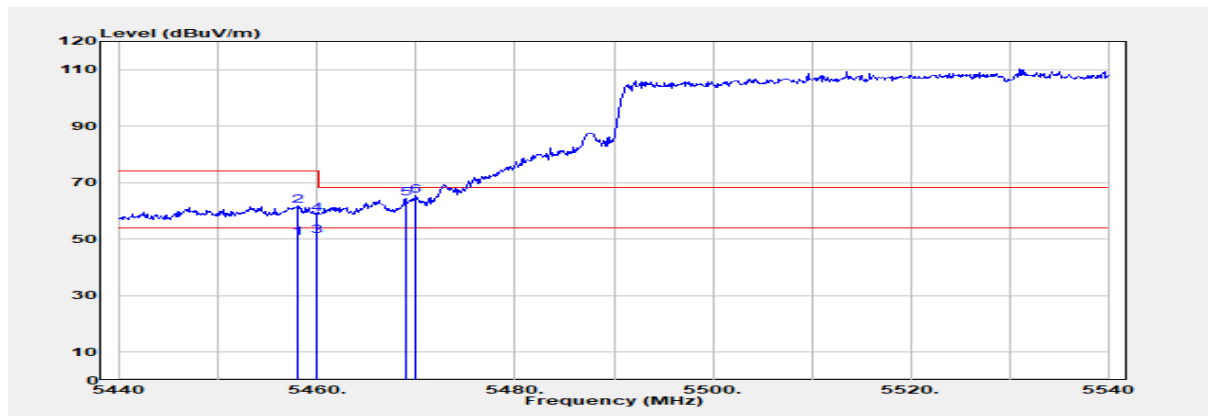
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax80
 Test Frequency :5530 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5458.000	Average	47.72	2.63	50.35	54.00	-3.65
5458.000	Peak	59.12	2.63	61.76	74.00	-12.24
5460.000	Average	48.53	2.64	51.17	54.00	-2.83
5460.000	Peak	56.31	2.64	58.95	74.00	-15.05
5468.900	Peak	61.50	2.76	64.25	68.20	-3.95
5470.000	Peak	62.55	2.77	65.32	68.20	-2.88

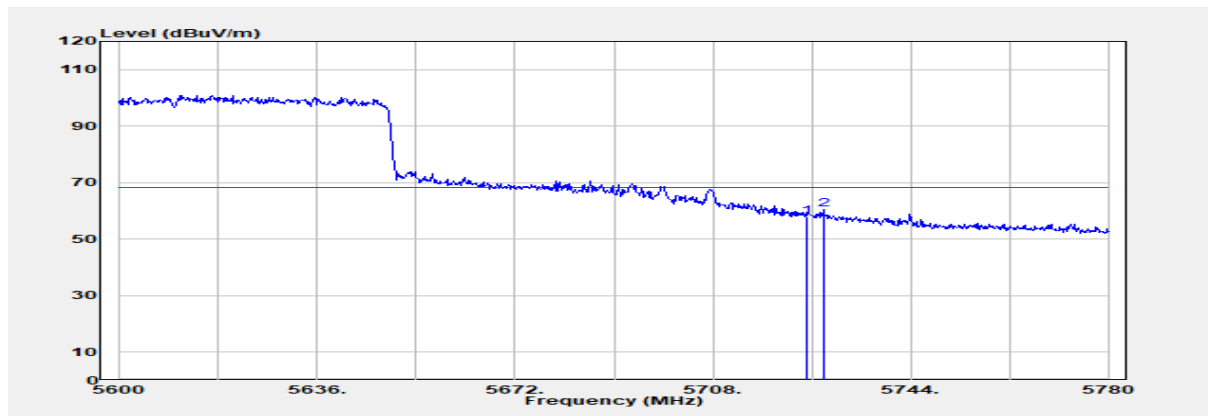
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax80
 Test Frequency :5610 MHz
 Test Mode :BE CH HIGH RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



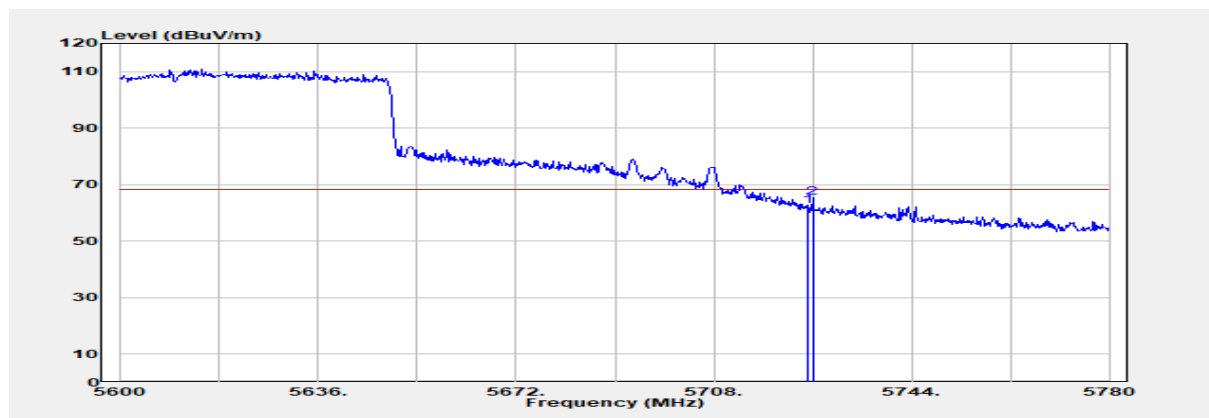
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	53.70	4.21	57.91	68.20	-10.29
5728.160	Peak	56.25	4.24	60.48	68.20	-7.72

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Report Number	:ER/2021/C0065	Test Site	:SAC G
Operation Mode	:802.11ax80	Test Date	:2022-01-20
Test Frequency	:5610 MHz	Temp./Humi.	:21.6/54
Test Mode	:BE CH HIGH RU FULL	Antenna Pol.	:Horizontal
EUT Pol	:NB Plane	Engineer	:Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	58.31	4.21	62.52	68.20	-5.68
5726.000	Peak	61.16	4.22	65.38	68.20	-2.82

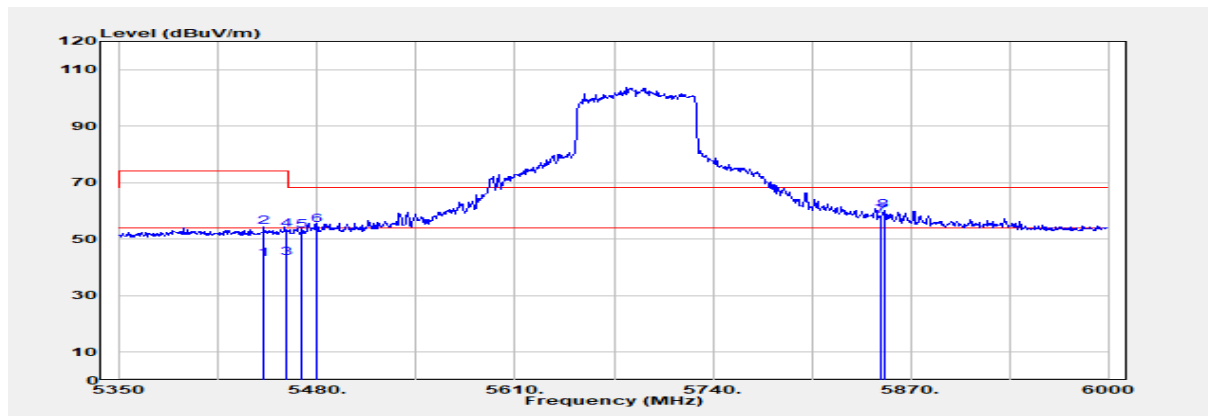
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax80
 Test Frequency :5690 MHz
 Test Mode :BE CH MID RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5444.900	Average	40.53	2.45	42.98	54.00	-11.02
5444.900	Peak	51.87	2.45	54.32	74.00	-19.68
5460.000	Average	40.63	2.64	43.27	54.00	-10.73
5460.000	Peak	50.73	2.64	53.37	74.00	-20.63
5470.000	Peak	50.23	2.77	53.00	68.20	-15.20
5480.000	Peak	52.21	2.76	54.97	68.20	-13.23
5850.000	Peak	53.92	4.31	58.23	68.20	-9.97
5852.450	Peak	55.97	4.26	60.24	68.20	-7.96

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Report Number :ER/2021/C0065

Test Site :SAC G

Operation Mode :802.11ax80

Test Date :2022-01-20

Test Frequency :5690 MHz

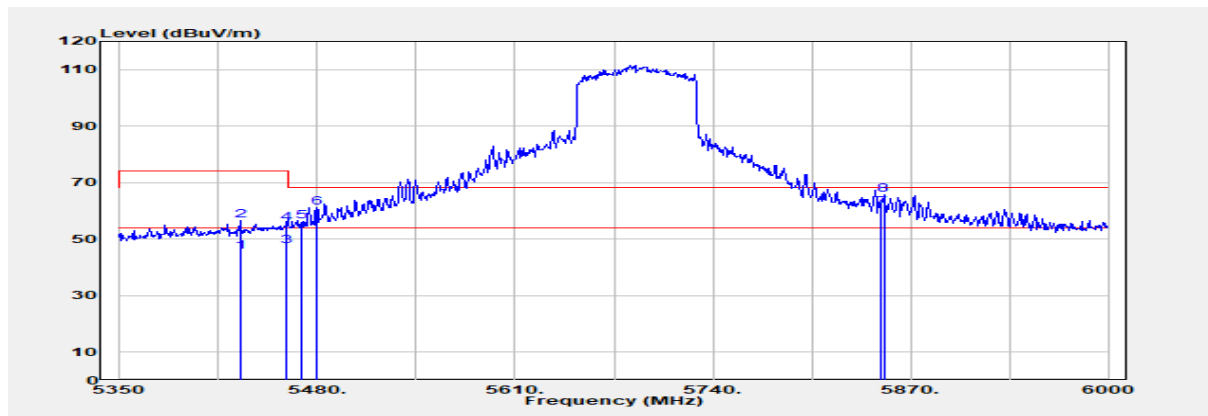
Temp./Humi. :21.6/54

Test Mode :BE CH MID RU FULL

Antenna Pol. :Horizontal

EUT Pol :NB Plane

Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5429.300	Average	43.17	2.40	45.57	54.00	-8.43
5429.300	Peak	54.22	2.40	56.62	74.00	-17.38
5460.000	Average	44.68	2.64	47.32	54.00	-6.68
5460.000	Peak	52.97	2.64	55.61	74.00	-18.39
5470.000	Peak	53.37	2.77	56.14	68.20	-12.06
5480.000	Peak	58.54	2.76	61.30	68.20	-6.90
5850.000	Peak	56.83	4.31	61.14	68.20	-7.06
5852.450	Peak	61.35	4.26	65.61	68.20	-2.59

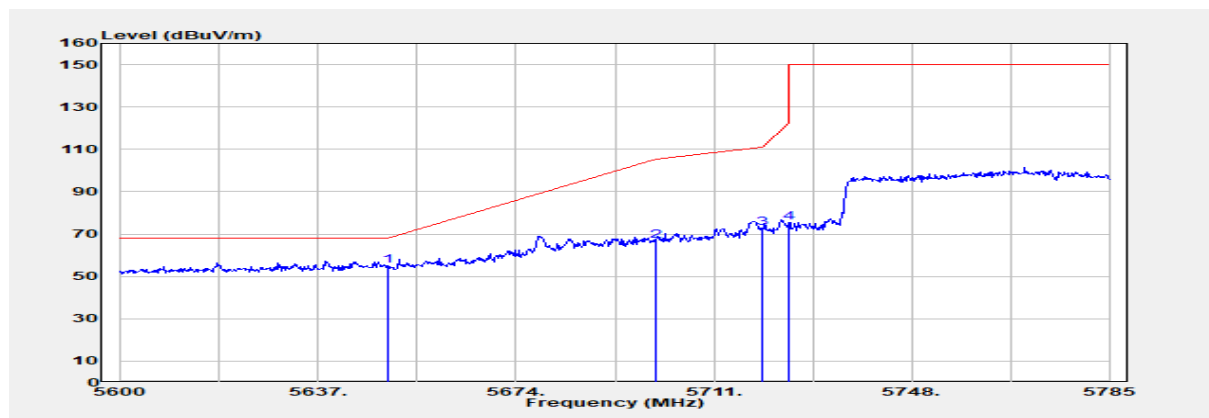
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax80
 Test Frequency :5775 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5650.000	Peak	51.60	3.60	55.20	68.20	-13.00
5700.000	Peak	63.33	3.31	66.64	105.20	-38.56
5720.000	Peak	68.59	4.17	72.76	110.80	-38.04
5725.000	Peak	71.20	4.21	75.41	122.20	-46.79

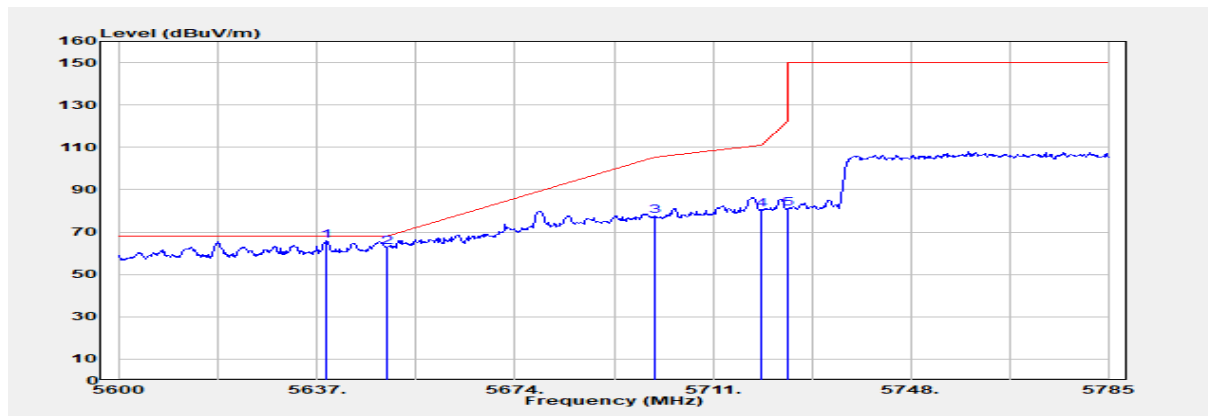
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax80
 Test Frequency :5775 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5638.665	Peak	62.67	3.42	66.09	68.20	-2.11
5650.000	Peak	59.29	3.60	62.89	68.20	-5.31
5700.000	Peak	74.30	3.31	77.61	105.20	-27.59
5720.000	Peak	76.57	4.17	80.74	110.80	-30.06
5725.000	Peak	77.02	4.21	81.23	122.20	-40.97

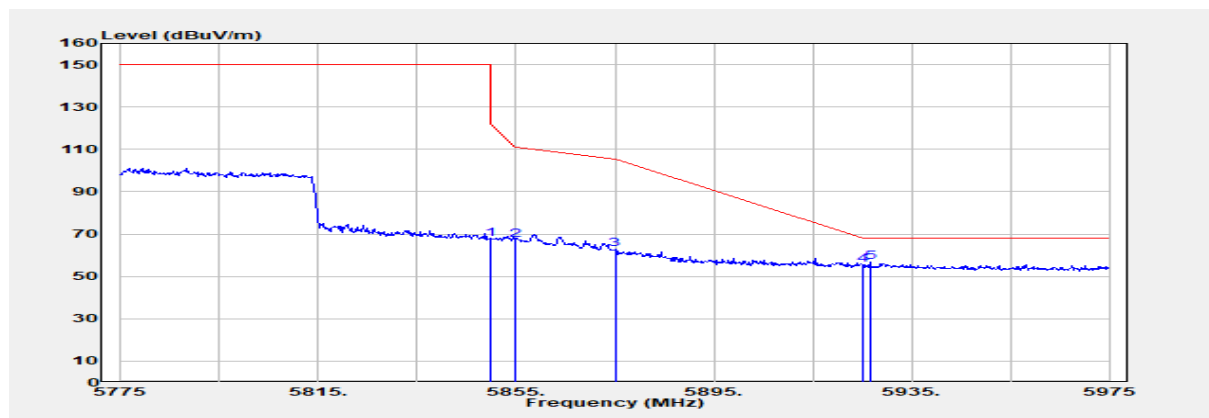
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax80
 Test Frequency :5775 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	63.34	4.31	67.65	122.20	-54.55
5855.000	Peak	62.99	4.21	67.20	110.80	-43.60
5875.000	Peak	58.77	3.90	62.67	105.20	-42.53
5925.000	Peak	51.12	4.36	55.48	68.20	-12.72
5926.600	Peak	52.41	4.35	56.76	68.20	-11.44

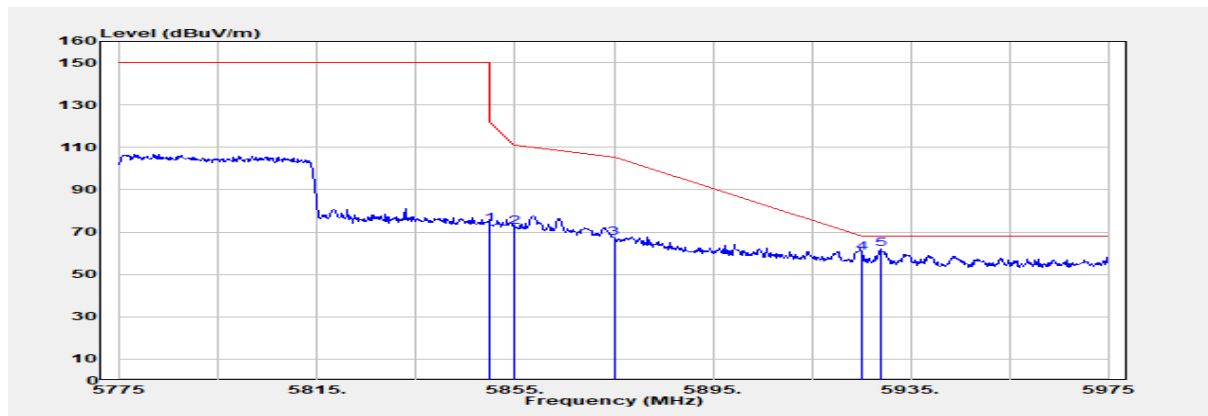
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax80
 Test Frequency :5775 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	69.56	4.31	73.87	122.20	-48.33
5855.000	Peak	68.20	4.21	72.41	110.80	-38.39
5875.000	Peak	63.30	3.90	67.19	105.20	-38.01
5925.000	Peak	55.87	4.36	60.22	68.20	-7.98
5929.000	Peak	57.45	4.34	61.79	68.20	-6.41

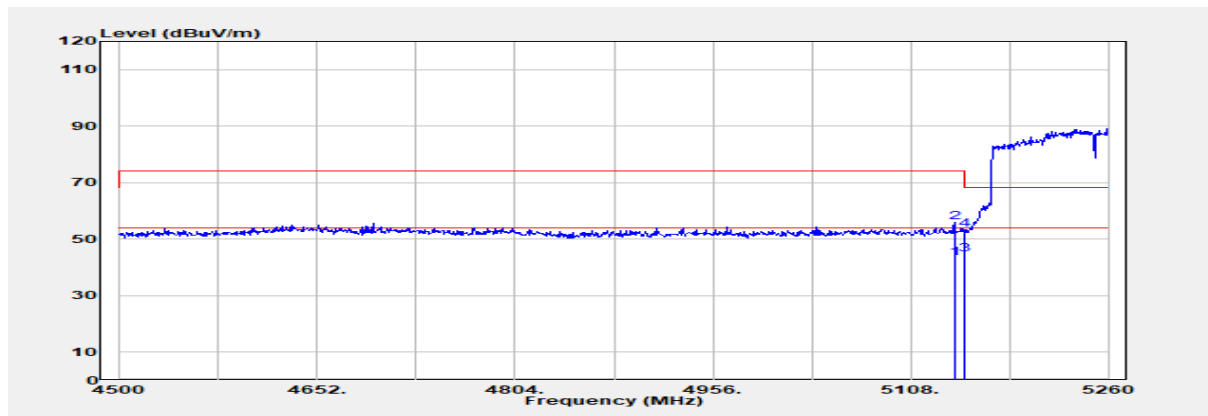
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax160
 Test Frequency :5250 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5142.200	Average	40.26	2.84	43.11	54.00	-10.89
5142.200	Peak	53.11	2.84	55.95	74.00	-18.05
5150.000	Average	41.41	3.03	44.44	54.00	-9.56
5150.000	Peak	50.36	3.03	53.39	74.00	-20.61

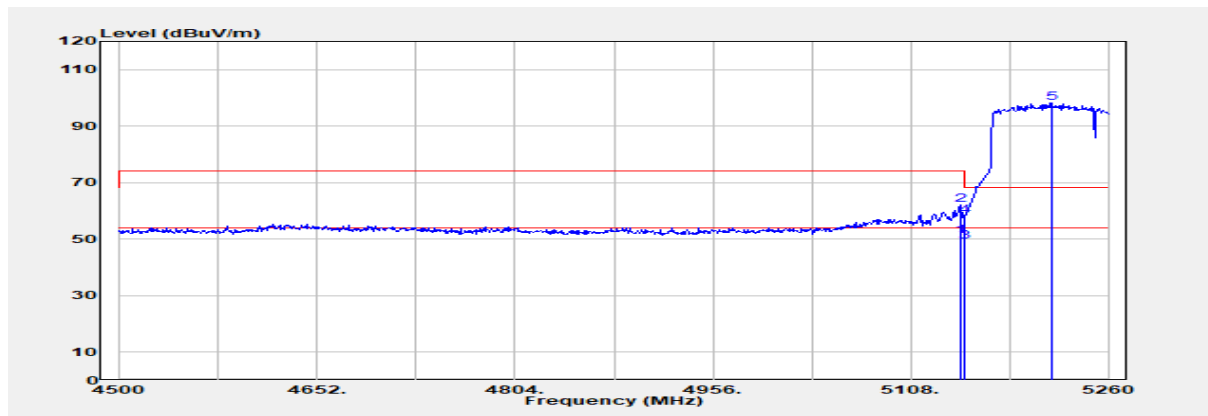
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax160
 Test Frequency :5250 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Horizontal
 Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5146.000	Average	48.15	2.93	51.09	54.00	-2.91
5146.000	Peak	59.08	2.93	62.02	74.00	-11.98
5150.000	Average	45.92	3.03	48.95	54.00	-5.05
5150.000	Peak	55.32	3.03	58.35	74.00	-15.65
5216.680	Peak	95.63	2.61	98.25	68.20	30.05

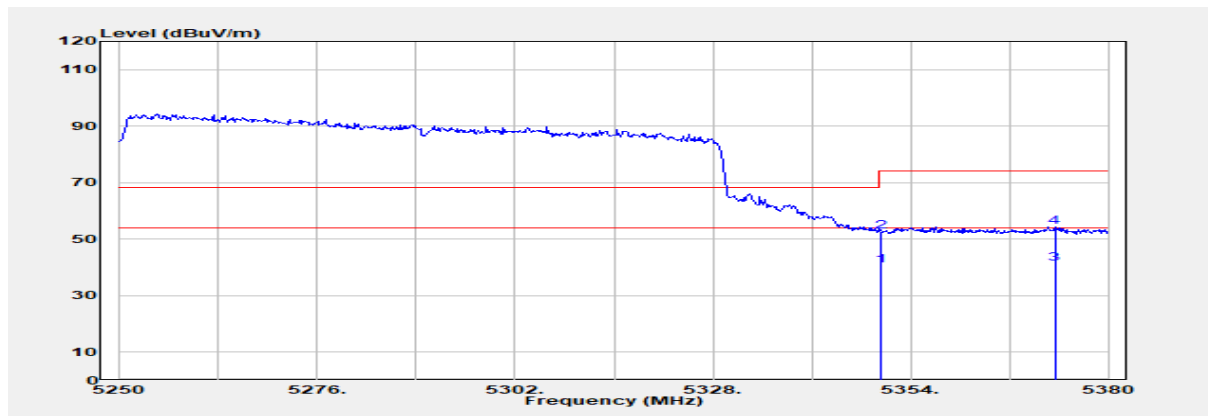
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax160
 Test Frequency :5250 MHz
 Test Mode :BE CH LOW RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



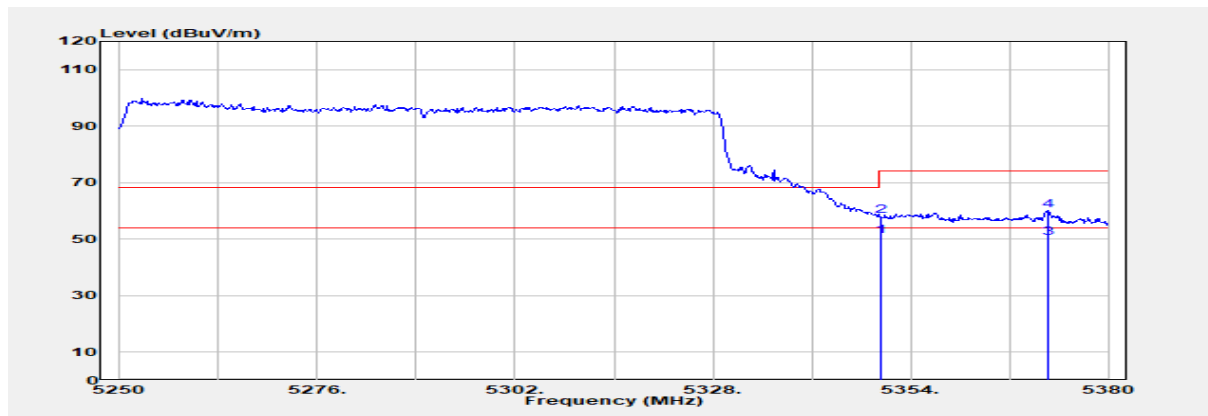
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	38.54	2.21	40.75	54.00	-13.25
5350.000	Peak	50.42	2.21	52.63	74.00	-21.37
5372.980	Average	38.96	2.32	41.28	54.00	-12.72
5372.980	Peak	52.00	2.32	54.32	74.00	-19.68

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Report Number	:ER/2021/C0065	Test Site	:SAC G
Operation Mode	:802.11ax160	Test Date	:2022-01-20
Test Frequency	:5250 MHz	Temp./Humi.	:21.6/54
Test Mode	:BE CH HIGH RU FULL	Antenna Pol.	:Horizontal
EUT Pol	:NB Plane	Engineer	:Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Average	48.84	2.21	51.05	54.00	-2.95
5350.000	Peak	56.01	2.21	58.22	74.00	-15.78
5372.070	Average	48.23	2.32	50.54	54.00	-3.46
5372.070	Peak	57.75	2.32	60.07	74.00	-13.93

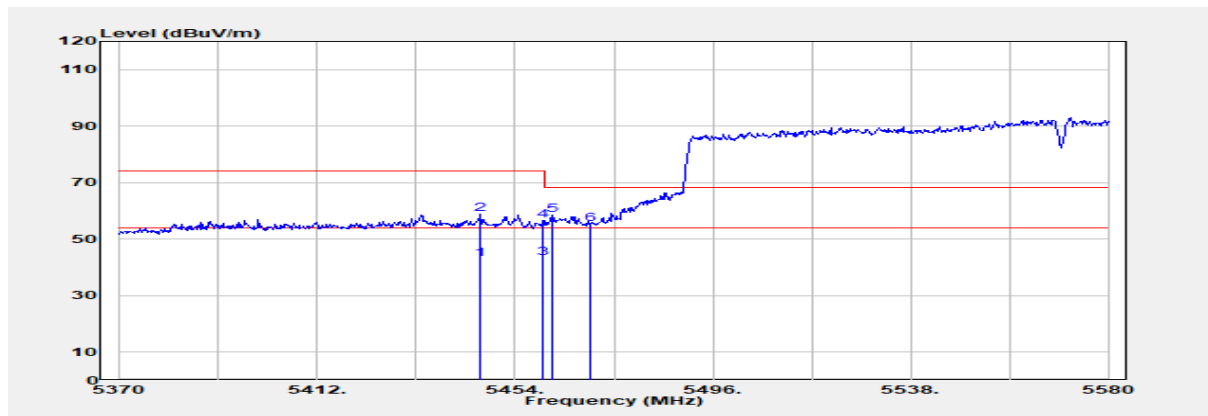
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Report Number :ER/2021/C0065
 Operation Mode :802.11ax160
 Test Frequency :5570 MHz
 Test Mode :BE CH HIGH RU FULL
 EUT Pol :NB Plane

Test Site :SAC G
 Test Date :2022-01-20
 Temp./Humi. :21.6/54
 Antenna Pol. :Vertical
 Engineer :Jason Yeh



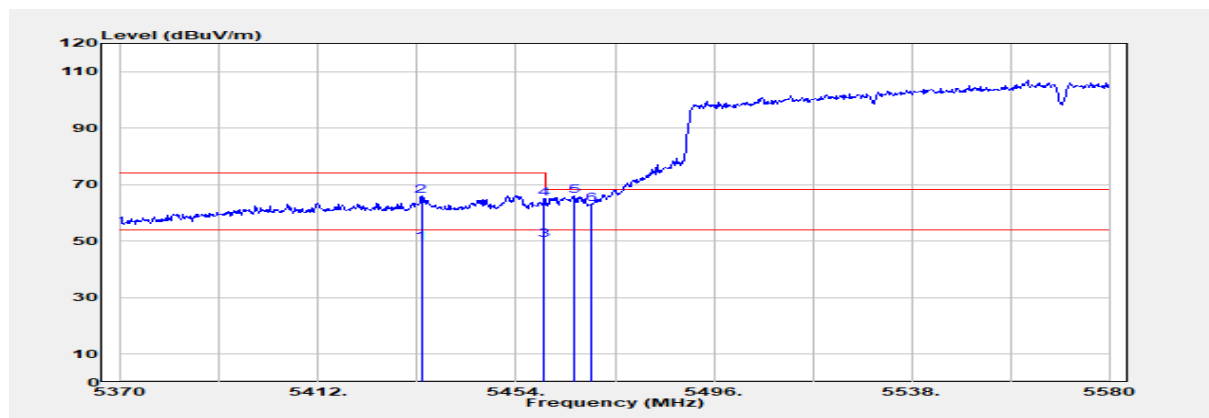
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5446.650	Average	40.56	2.50	43.06	54.00	-10.94
5446.650	Peak	56.51	2.50	59.01	74.00	-14.99
5460.000	Average	40.66	2.64	43.30	54.00	-10.70
5460.000	Peak	53.86	2.64	56.50	74.00	-17.50
5461.770	Peak	55.93	2.66	58.59	68.20	-9.61
5470.000	Peak	52.63	2.77	55.40	68.20	-12.80

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Report Number	:ER/2021/C0065	Test Site	:SAC G
Operation Mode	:802.11ax160	Test Date	:2022-01-20
Test Frequency	:5570 MHz	Temp./Humi.	:21.6/54
Test Mode	:BE CH HIGH RU FULL	Antenna Pol.	:Horizontal
EUT Pol	:NB Plane	Engineer	:Jason Yeh



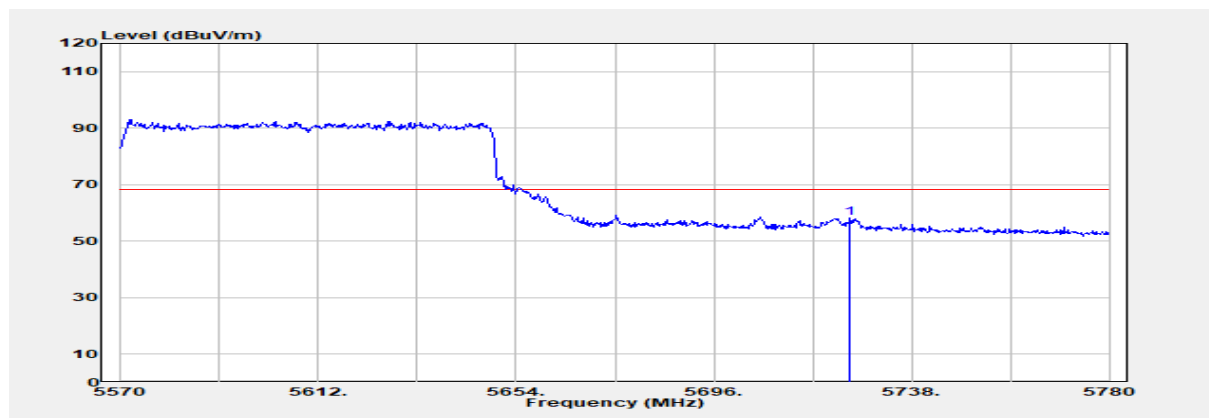
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5433.840	Average	47.23	2.37	49.59	54.00	-4.41
5433.840	Peak	63.80	2.37	66.17	74.00	-7.83
5460.000	Average	47.64	2.64	50.28	54.00	-3.72
5460.000	Peak	62.30	2.64	64.94	74.00	-9.06
5466.180	Peak	63.22	2.72	65.94	68.20	-2.26
5470.000	Peak	60.35	2.77	63.12	68.20	-5.08

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Report Number	:ER/2021/C0065	Test Site	:SAC G
Operation Mode	:802.11ax160	Test Date	:2022-01-20
Test Frequency	:5570 MHz	Temp./Humi.	:21.6/54
Test Mode	:BE CH HIGH RU FULL	Antenna Pol.	:Vertical
EUT Pol	:NB Plane	Engineer	:Jason Yeh



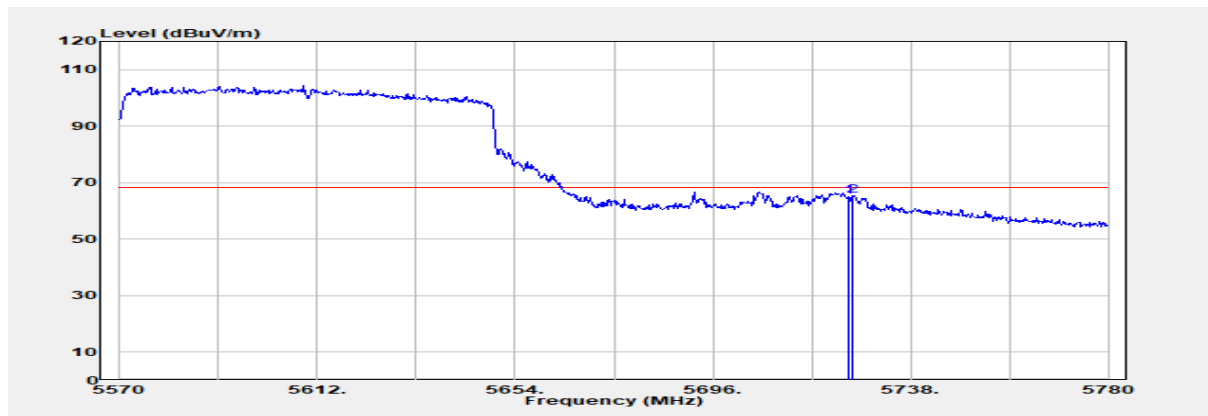
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5725.000	Peak	54.15	4.21	58.36	68.20	-9.84

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Report Number	:ER/2021/C0065	Test Site	:SAC G
Operation Mode	:802.11ax160	Test Date	:2022-01-20
Test Frequency	:5570 MHz	Temp./Humi.	:21.6/54
Test Mode	:BE CH HIGH RU FULL	Antenna Pol.	:Horizontal
EUT Pol	:NB Plane	Engineer	:Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	60.70	4.21	64.91	68.20	-3.29
5725.610	Peak	61.03	4.22	65.24	68.20	-2.96

~ End of Report ~

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