

**ELECTROMAGNETIC EMISSIONS
COMPLIANCE REPORT**

Applicant: Xiaomi Communications Co., Ltd.
#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

Manufacturer: Xiaomi Communications Co., Ltd.
#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

Product Name: Mobile Phone

Brand Name: POCO

Model No.: 2404APC5FG

Model Difference: N/A

Report Number: TERF2403000657ER

FCC ID 2AFZZPC5FG

Date of EUT Received: March 4, 2024

Date of Test: March 4, 2024 ~ March 11, 2024,
March 18, 2024 ~ March 19, 2024

Issue Date: April 2, 2024

CHUN-CHIEH, CHEN

Approved By**CHUN-CHIEH, CHEN****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
TERF2403000657ER	00	Original.	March 29, 2024	Karen Huang	
TERF2403000657ER	01	Revised date of test on page 1	April 2, 2024	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

Product Name:	Mobile Phone
Brand Name:	POCO
Model No.:	2404APC5FG
Model Difference:	N/A
Hardware Version:	1351N19A
Software Version:	Xiaomi HyperOS 1.0
EUT Series No.:	DN404W000121
Power Supply:	3.84Vdc from Rechargeable Li-ion Polymer Battery or 5Vdc from adapter
Test Software (Name/Version)	EngineerMode/version:1.0

1.2 Modulation & Data Rate

Modulation type:	64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11a, 11n
	256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11ac
Transition Rate:	802.11 a: 6 - 54 Mbps
	802.11 n_HT20: up to 72.2 Mbps
	802.11 n_HT40: up to 150 Mbps
	802.11 ac_VHT20: up to 86.7 Mbps
	802.11 ac_VHT40: up to 200 Mbps
	802.11 ac_VHT80: up to 433.3 Mbps

1.3 Antenna Designation

Antenna Type	Freq. (MHz)	Peak Antenna Gain (dBi)
PIFA	5150~5250	-0.20
	5250~5350	-0.10
	5475~5725	-0.20
	5725~5825	-0.30

Note:

1. 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
802.11a/ 802.11n_HT20/ 802.11ac_VHT20	5180~5240	4	16.88 dBm	OFDM
	5260~5320	4	16.91 dBm	OFDM
	5500~5720	12	16.72 dBm	OFDM
	5745-5825	5	16.75 dBm	OFDM
802.11n_HT40/ 802.11ac_VHT40	5190~5230	2	14.81 dBm	OFDM
	5270~5310	2	14.82 dBm	OFDM
	5510~5710	6	14.86 dBm	OFDM
	5755-5795	2	14.78 dBm	OFDM
802.11ac_VHT80	5210	1	13.50 dBm	OFDM
	5290	1	13.19 dBm	OFDM
	5530~5690	3	13.99 dBm	OFDM
	5775	1	14.11 dBm	OFDM

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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

FCC KDB 291074 D02 EMC Measurement v01

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 2		
		SAC 3		
		Conduction 1		
		Conducted 1		
		Conducted 2		
		Conducted 3		
		Conducted 4		
		Conducted 5		
		Conducted 6		
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction C	TW0028	
		SAC C		
		SAC D		
		SAC G		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
Conducted G				

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

1.7 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 Emissions

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

2.3.2 Conducted Test (RF)

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

2.3.3 Radiated Emissions

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

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2.4 Measurement Results Explanation Example

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

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

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

2.4.2 For all conducted test items:

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

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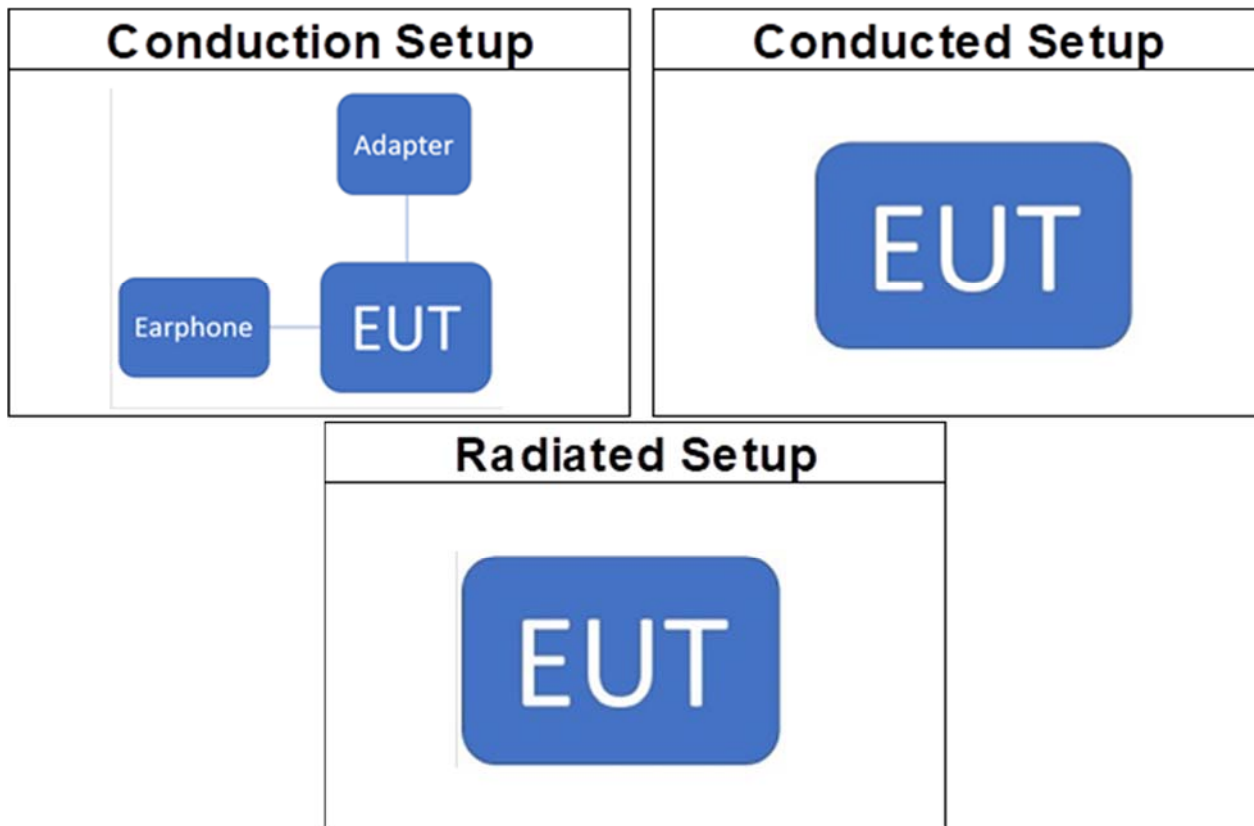
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2.5 Test Configuration



2.6 Control Unit(s)

AC Power-Line Conducted Emission Test Site: Conduction 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Adapter	Aohai	MDY-16-EH	N/A	N/A	N/A
Adapter	Chenyang	MDY-16-EH	N/A	N/A	N/A

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3 SUMMARY OF TEST RESULT

FCC Rules	Description Of Test	Result	Note
§15.207	AC Power Line Conducted Emission	Compliant	N
§15.407(e)	Emission Bandwidth	Compliant	
§15.407(a)	Maximum Conducted Output Power	Compliant	
§15.407(a)	Power Spectral Density	Compliant	
§15.205 §15.209 §15.407(b)	Undesirable Radiated Emissions	Compliant	
§15.407(c)	Transmission in case of Absence of Information	Compliant	
§15.203	Antenna Requirement	Compliant	

Note

1. N/S Indicates whether item(s) being newly tested [N] or spot checked [S].
2. Items other than newly tested [N] are leveraged from test report TERF2403000509ER.

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4 DESCRIPTION OF TEST MODES

4.1 Operating Frequencies

UNII-1 5150 MHz ~ 5250MHz

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

UNII-2A 5250 MHz ~ 5350MHz

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

UNII-2C 5470 MHz ~ 5725MHz

20MHz		40MHz		80MHz	
CH	Freq. (MHz)	CH	Freq. (MHz)	CH	Freq. (MHz)
100	5500	102	5510	106	5530
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				

UNII-3 5725 MHz ~ 5850MHz

20MHz		40MHz		80MHz	
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 given UE is pre-scanned among below modes.

Modulation	Transmission Chain				Single Transmission Spatial	Multiple Transmission Spatial
☒ 802.11 a	☒ Ch0	☐ Ch1	☐ Ch2	☐ Ch3	☒ 1TX	☐ 2TX
☒ 802.11 n	☒ Ch0	☐ Ch1	☐ Ch2	☐ Ch3	☒ 1TX	☐ 2TX
☒ 802.11 ac	☒ Ch0	☐ Ch1	☐ Ch2	☐ Ch3	☒ 1TX	☐ 2TX
☐ 802.11 ax	☐ Ch0	☐ Ch1	☐ Ch2	☐ Ch3	☐ 1TX	☐ 2TX

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

CONDUCTED TEST						
MODE	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	ch0
	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			
802.11n_HT20	5180~5240	36 to 48	36,44,48	OFDM	MCS0	ch0
	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			
802.11n_HT40	5190~5230	38 to 46	38,46	OFDM	MCS0	ch0
	5270~5310	54 to 62	54,62			
	5510~5710	102 to 142	102,110,134,142			
	5755~5795	151 to 159	151,159			
802.11ac_VHT80	5210	42	42	OFDM	MCS0	ch0
	5290	58	58			
	5530~5690	106 to 138	106,122,138			
	5775	155	155			

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TRANSMIT 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	44	OFDM	6	CH0
	5260~5320	52 to 64	60			
	5500~5720	100 to 144	116			
	5745~5825	149 to 165	157			
TRANSMIT 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	36,44,48	OFDM	6	CH0
	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			
802.11n_HT20	5180~5240	36 to 48	36,44,48	OFDM	MCS0	CH0
	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			
802.11n_HT40	5190~5230	38 to 46	38,46	OFDM	MCS0	CH0
	5270~5310	54 to 62	54,62			
	5510~5710	102 to 142	102,110,134,142			
	5755~5795	151 to 159	151,159			
802.11ac_VHT80	5210	42	42	OFDM	MCS0	CH0
	5290	58	58			
	5530~5690	106 to 138	106,122,138			
	5775	155	155			

Note:

The field strength of radiated emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.

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5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
AC Power Line Conducted Emission	+/- 1.54 dB
Output Power measurement	+/- 0.97 dB
Emission Bandwidth	+/- 1.38 Hz
Conducted emission measurement	+/- 0.77 dB
Peak Power Density	+/- 0.61 dB
Temperature	+/- 0.6 °C
Humidity	+/- 3 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty			
Polarization: Vertical	+/-	1.89 dB	9kHz~30MHz
	+/-	4.15 dB	30MHz - 1000MHz
	+/-	3.43 dB	1GHz - 18GHz
	+/-	3.86 dB	18GHz - 40GHz
Polarization: Horizontal	+/-	1.89 dB	9kHz~30MHz
	+/-	4.02 dB	30MHz - 1000MHz
	+/-	3.43 dB	1GHz - 18GHz
	+/-	3.86 dB	18GHz - 40GHz
Radiated Spurious Emission	+/-	2 dB	33GHz-50GHz
	+/-	1.59 dB	50GHz-60GHz
	+/-	1.7 dB	60GHz-90GHz
	+/-	1.64 dB	90GHz-140GHz
	+/-	3.83 dB	140GHz-220GHz

Note:

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

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6 MEASUREMENT EQUIPMENT USED

6.1 Emission from AC power line

AC Power-Line Conducted Emission Test Site: Conduction 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R
LISN	SCHWARZBECK	NSLK 8127	1040	09/06/2023	09/05/2024
Coaxial Cables	EMC Instruments Corp.	EMCCFD300-BM-BM-3000	161207	06/22/2023	06/21/2024
Pulse Limiter	SCHWARZBECK	VTSD 9561F-N	793	06/22/2023	06/21/2024
EMI Test Receiver	R&S	ESCI 7	100759	08/21/2023	08/20/2024

6.2 Conducted Measurement

Conducted Emission Test Site: Conducted 2					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071541	07/13/2023	07/12/2024
Test Software	SGS	Radio Test Software	Ver. 21	N.C.R	N.C.R
Power Meter	Anritsu	ML2496A	2132007	09/25/2023	09/24/2024
Power Sensor	Anritsu	MA2411B	1911391	09/25/2023	09/24/2024
Power Sensor	Anritsu	MA2411B	1911392	09/25/2023	09/24/2024
Attenuator	Mini-Circuits	BW-S10W2+	17	12/12/2023	12/11/2024
DC Block	Mini-Circuits	BLK-18-S+	31129	12/12/2023	12/11/2024

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6.3 Radiated Measurement

Radiated Emission Test Site: SAC 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Loop Antenna	COM-POWER	AL-130R	10160104	12/04/2023	12/03/2024
Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	07/03/2023	07/02/2024
Horn Antenna	SCHWARZBECK	BBHA9120D	D803	01/12/2024	01/11/2025
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT-N0555	12/18/2023	12/17/2024
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY60242081	10/17/2023	10/16/2024
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R
EMI Test Receiver	R&S	ESCI 7	100759	08/21/2023	08/20/2024
Site Cal	SGS	SAC 1	N/A	08/31/2023	08/30/2024
Pre-Amplifier	EMCI	EMC184045B	980135	08/31/2023	08/30/2024
Pre-Amplifier	HP	8447D	2944A09469	08/31/2023	08/30/2024
Pre-Amplifier	EMCI	EMC118A45SEE	980933	07/31/2023	07/30/2024
8.5G High Pass Filter	Titan	T04H85002500060S01	210519-2-7	12/12/2023	12/11/2024
Band Reject Filter 5150-5350	Titan	T04N5150535050S01	23040703-16	12/12/2023	12/11/2024
Band Reject Filter 5470-5725	Titan	T04N5470572550S01	23040703-18	12/12/2023	12/11/2024
Band Reject Filter 5725-5895	Titan	T04N5725589550S01	23040703-20	12/12/2023	12/11/2024
Coaxial Cables	Huber Suhner	SUCOFLEX 102+SUCOFLEX 106	TX Cable 30M-40G 23051/2+76096/6+2 2962/2	08/31/2023	08/30/2024
Coaxial Cable	EMCI	EMC104-SM-SM-8000+EMC106-SM-SM-7600	RX Cable 9K-18G(160125+150817)	09/12/2023	09/11/2024

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

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7 CONDUCTED EMISSION TEST

7.1 Standard Applicable

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

Frequency range MHz	Limits (dBuV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

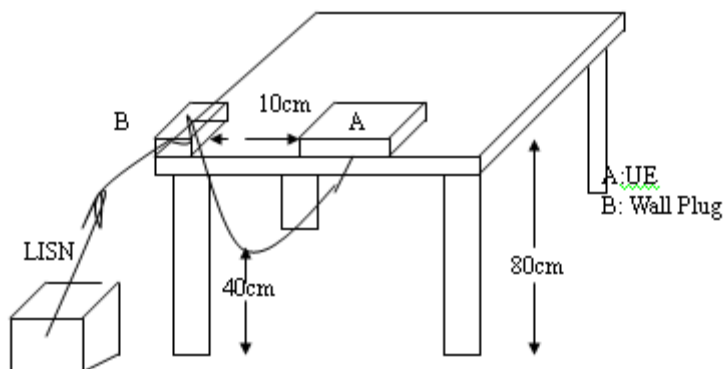
Note

- 1.The lower limit shall apply at the transition frequencies
- 2.The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

7.2 EUT Setup:

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

7.3 Test SET-UP



7.4 Measurement Procedure

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

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7.5 Measurement Result

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

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

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AC POWER LINE CONDUCTED EMISSION TEST DATA

Report Number :TERF2403000657ER

Test Site :Conduction 1

Operation Mode :WLAN 5G

Test Date :2024-03-19

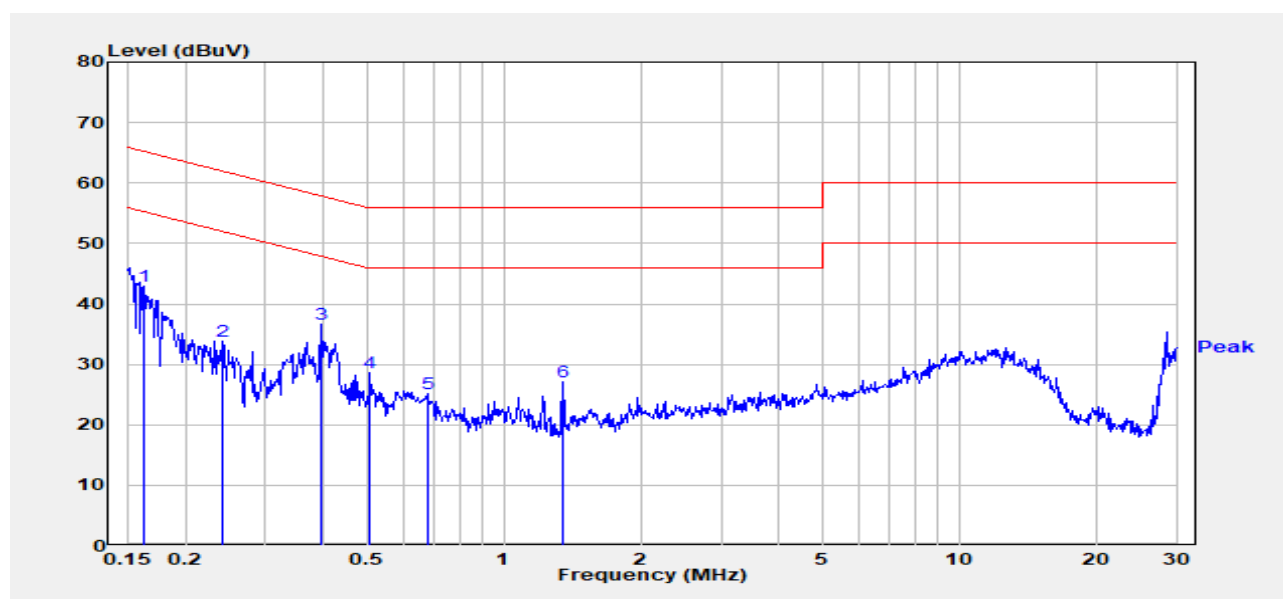
Power :120V/60Hz

Temp./Humi. :23.1°C/58%

Probe :L

Engineer :Cooper Hsu

Note: :Aohai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS		
	PK/QP/AV	dBμV	dB	dBμV	dBμV	dB
0.162	Peak	32.80	10.13	42.93	65.34	-22.41
0.242	Peak	23.71	10.14	33.85	62.04	-28.19
0.398	Peak	26.49	10.15	36.64	57.90	-21.26
0.507	Peak	18.36	10.17	28.52	56.00	-27.48
0.679	Peak	14.93	10.18	25.11	56.00	-30.89
1.352	Peak	16.86	10.20	27.06	56.00	-28.94

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Report Number :TERF2403000657ER

Operation Mode :WLAN 5G

Power :120V/60Hz

Probe :N

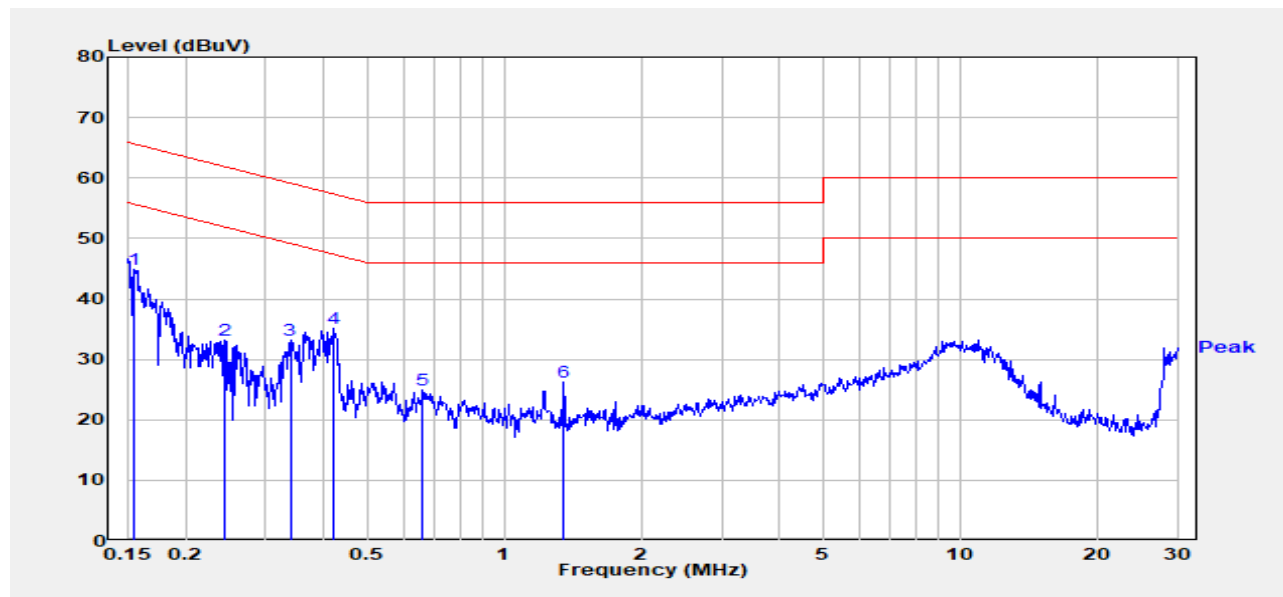
Note: :Aohai

Test Site :Conduction 1

Test Date :2024-03-19

Temp./Humi. :23.1°C/58%

Engineer :Cooper Hsu



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS		
	PK/QP/AV	dBμV	dB	dBμV	dBμV	dB
0.154	Peak	34.85	10.12	44.97	65.78	-20.81
0.243	Peak	22.97	10.13	33.09	62.00	-28.90
0.339	Peak	23.10	10.14	33.25	59.22	-25.98
0.424	Peak	24.95	10.15	35.11	57.37	-22.27
0.661	Peak	14.78	10.17	24.95	56.00	-31.05
1.352	Peak	15.95	10.19	26.14	56.00	-29.86

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Report Number :TERF2403000657ER

Operation Mode :WLAN 5G

Power :120V/60Hz

Probe :L

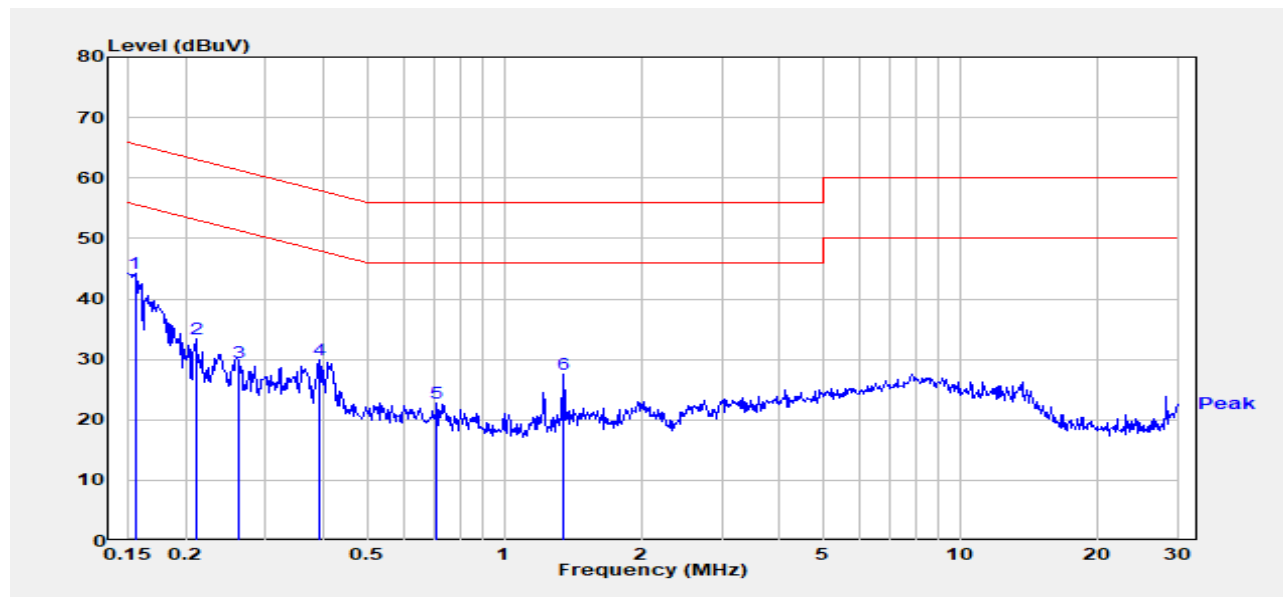
Note: :Chenyang

Test Site :Conduction 1

Test Date :2024-03-19

Temp./Humi. :23.1°C/58%

Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.155	Peak	34.02	10.13	44.15	65.74	-21.58
0.211	Peak	23.25	10.13	33.38	63.18	-29.80
0.262	Peak	19.30	10.14	29.44	61.38	-31.94
0.391	Peak	19.70	10.15	29.85	58.03	-28.18
0.712	Peak	12.49	10.18	22.67	56.00	-33.33
1.352	Peak	17.43	10.20	27.63	56.00	-28.37

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Report Number :TERF2403000657ER

Operation Mode :WLAN 5G

Power :120V/60Hz

Probe :N

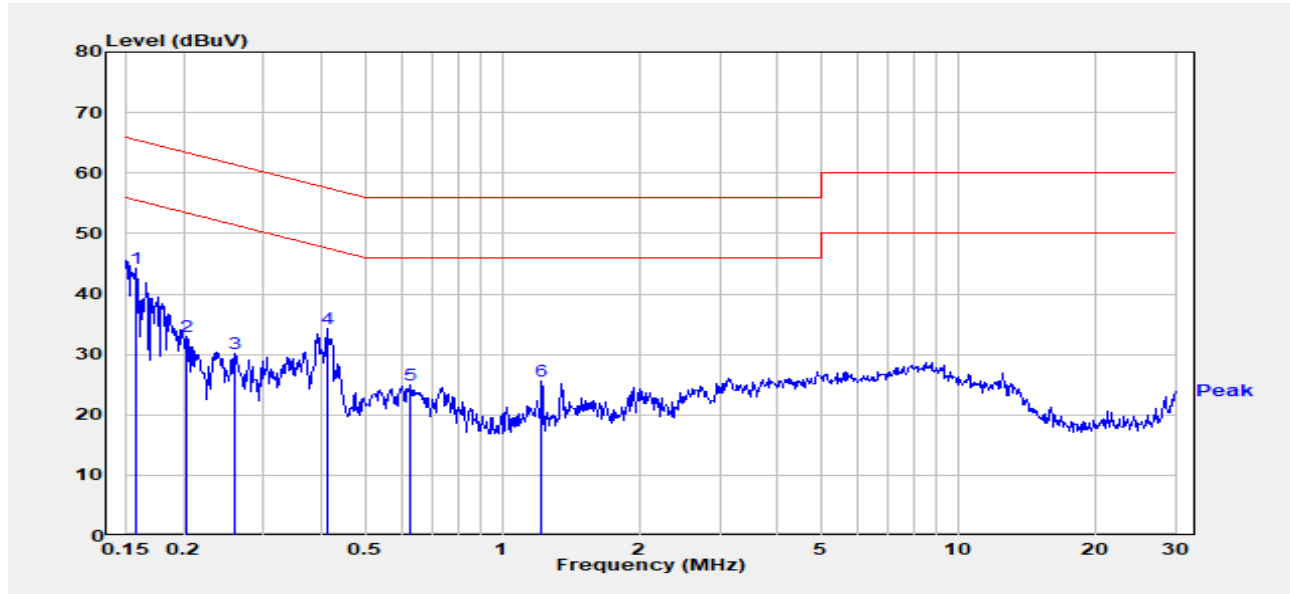
Note: :Chenyang

Test Site :Conduction 1

Test Date :2024-03-19

Temp./Humi. :23.1°C/58%

Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.156	Peak	34.09	10.12	44.21	65.65	-21.43
0.203	Peak	22.83	10.12	32.95	63.49	-30.54
0.259	Peak	19.93	10.13	30.06	61.47	-31.40
0.413	Peak	24.20	10.15	34.35	57.59	-23.25
0.630	Peak	14.81	10.17	24.98	56.00	-31.02
1.223	Peak	15.39	10.19	25.58	56.00	-30.42

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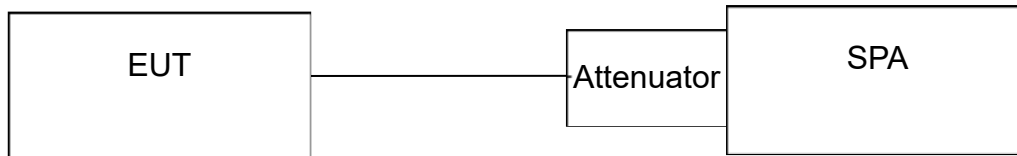
8 EMISSION BANDWIDTH MEASUREMENT

8.1 Standard Applicable

There is no limit bandwidth for U-NII-1, U-NII-2-A and U-NII-2-C.

The minimum of 6dB Bandwidth measurement is 0.5 MHz for U-NII-3.

8.2 Test Setup



8.3 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 spectrum analyzer.
 - 3.a. 26dB Band width Measurement: Set the spectrum analyzer as 1% of emission BW
Sweep=auto,
Detector = Peak,
Trace Mode = Max Hold,
Manually readjust RBW until the RBW/EBW ratio is 1% based on EBW as observed on the result of pre-sequence measurement.
 - 3.b. Mark the peak frequency and -26dB (upper and lower) frequency.
4. Repeat the procedures as list above until all test default channels (low, middle, and high) are completed.
5. Minimum Emission Bandwidth for the band 5.725-5.850GHz.
 - a. Set the spectrum analyzer as
RBW = 100 kHz,
VBW = 3*RBW,
Span = large enough to capture all products of the modulation process,
Detector=Peak,
Sweep=auto
 - b. Mark the peak frequency and -6dB (upper and lower) frequency.
6. Repeat above procedures until all frequency of interest measured was complete.

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8.4 Measurement Result

8.4.1 FCC Occupied Bandwidth

802.11a_Ch0

Freq. (MHz)	26dB BW (MHz)	10 Log (B) (dB)
5180	19.80	12.970
5220	19.46	12.890
5240	19.82	12.970
5260	19.90	12.990
5300	19.80	12.970
5320	19.69	12.940
5500	19.75	12.960
5580	19.50	12.900
5700	19.82	12.970
5720(U-NII 2C)	14.85	11.720
5720(U-NII 3)	4.85	6.850

802.11a_Ch0

Freq. (MHz)	6dB BW (MHz)	10 Log (B) (dB)
5745	16.37	12.140
5785	16.35	12.140
5825	16.35	12.140

802.11a_Ch0

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5240	5248.22	< 5250
5745	5736.77	> 5725

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802.11n_HT20_Ch0

Freq. (MHz)	26dB BW (MHz)	10 Log (B) (dB)
5180	19.83	12.970
5220	20.09	13.030
5240	19.96	13.000
5260	20.04	13.020
5300	19.94	13.000
5320	20.21	13.060
5500	20.08	13.030
5580	19.80	12.970
5700	20.11	13.030
5720(U-NII 2C)	15.12	11.800
5720(U-NII 3)	5.12	7.090

802.11n_HT20_Ch0

Freq. (MHz)	6dB BW (MHz)	10 Log (B) (dB)
5745	17.58	12.450
5785	17.57	12.450
5825	17.54	12.440

802.11n_HT20_Ch0

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5240	5248.75	< 5250
5745	5736.19	> 5725

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802.11n_HT40_Ch0

Freq. (MHz)	26dB BW (MHz)	10 Log (B) (dB)
5190	40.00	16.020
5230	40.02	16.020
5270	40.22	16.040
5310	40.60	16.090
5510	40.25	16.050
5550	39.76	15.990
5670	40.12	16.030
5710(U-NII 2C)	34.93	15.430
5710(U-NII 3)	4.93	6.920

802.11n_HT40_Ch0

Freq. (MHz)	6dB BW (MHz)	10 Log (B) (dB)
5755	36.32	15.600
5795	36.09	15.570

802.11n_HT40_Ch0

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5230	5247.97	< 5250
5755	5737.07	> 5725

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802.11ac_VHT80_Ch0

Freq. (MHz)	26dB BW (MHz)	10 Log (B) (dB)
5210	80.74	19.070
5290	80.24	19.040
5530	80.52	19.060
5610	80.55	19.060
5690(U-NII 2C)	75.48	18.780
5690(U-NII 3)	5.48	7.390

802.11ac_VHT80_Ch0

Freq. (MHz)	6dB BW (MHz)	10 Log (B) (dB)
5775	76.38	18.830

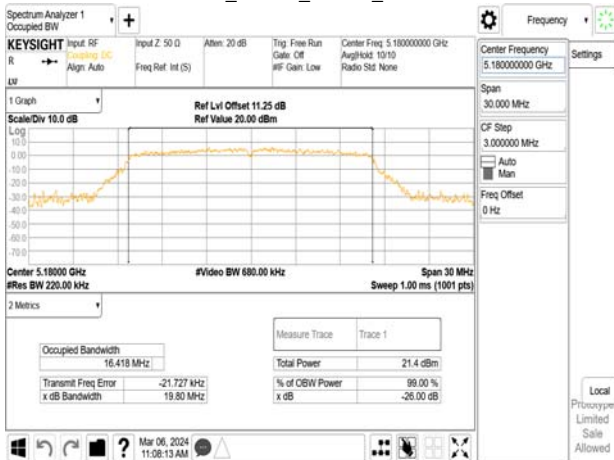
802.11ac_VHT80_Ch0

Freq. (MHz)	Measured Freq. (MHz)	Limit (MHz)
5210	5247.64	< 5250
5775	5737.36	> 5725

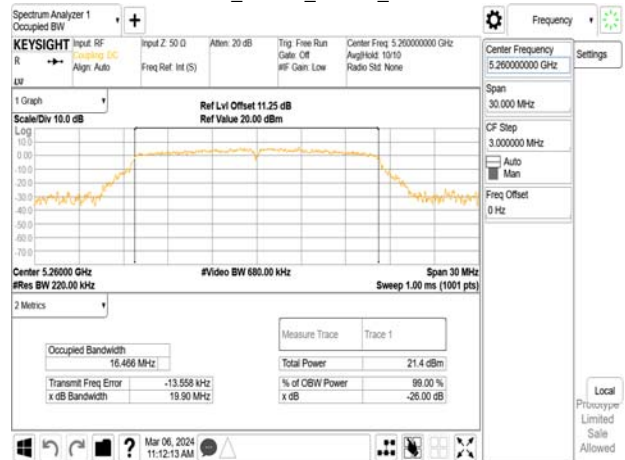
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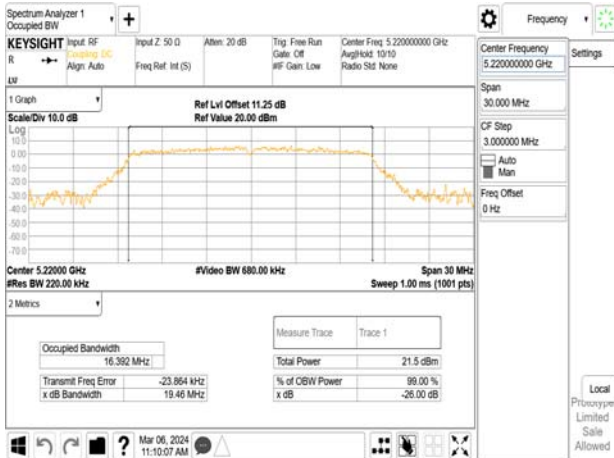
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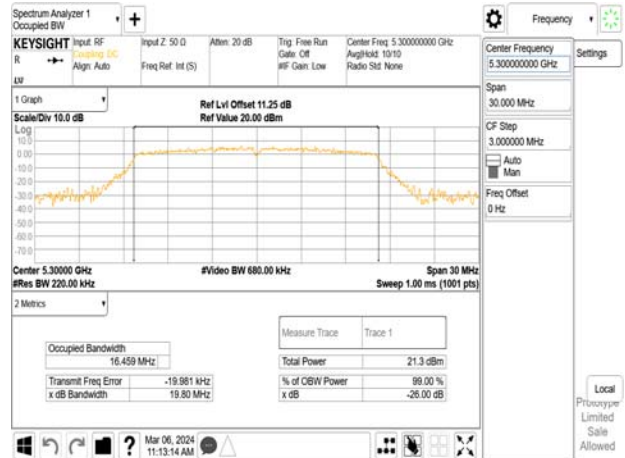
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802.11a_20MHz_Chain0_5220MHz



802.11a_20MHz_Chain0_5300MHz



802.11a_20MHz_Chain0_5240MHz



802.11a_20MHz_Chain0_5320MHz

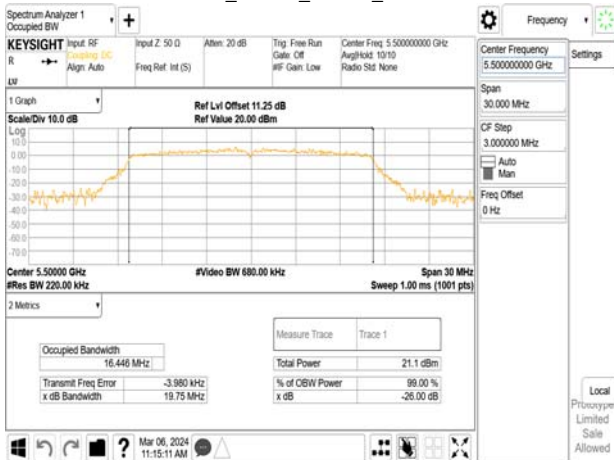


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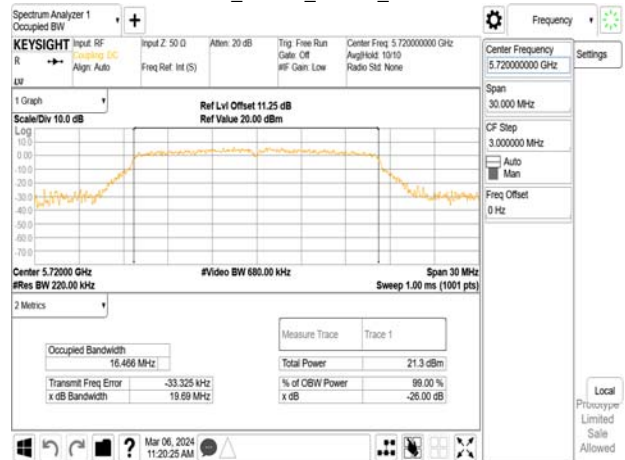
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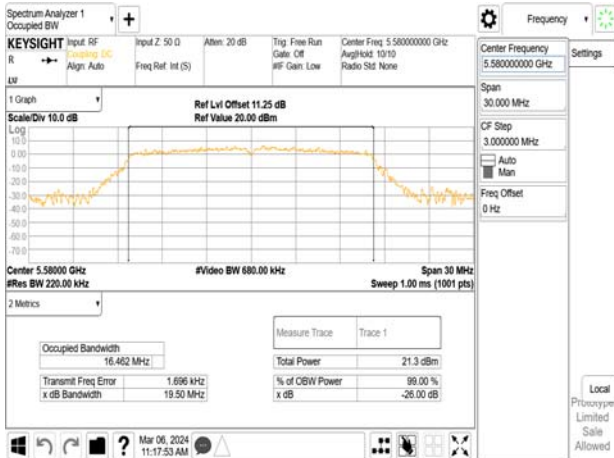
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802.11a_20MHz_Chain0_5720MHz



802.11a_20MHz_Chain0_5580MHz



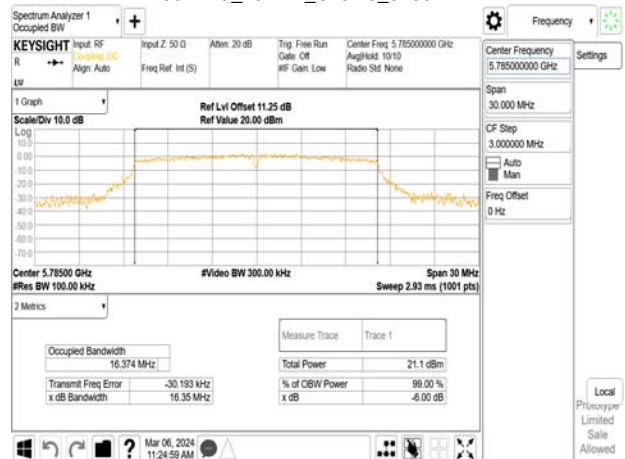
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802.11a_20MHz_Chain0_5700MHz



802.11a_20MHz_Chain0_5785MHz

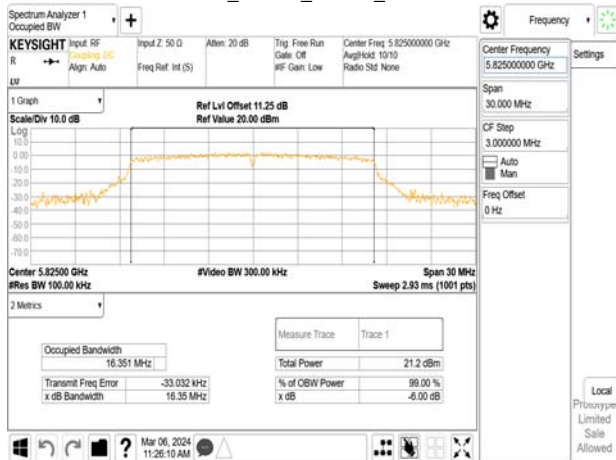


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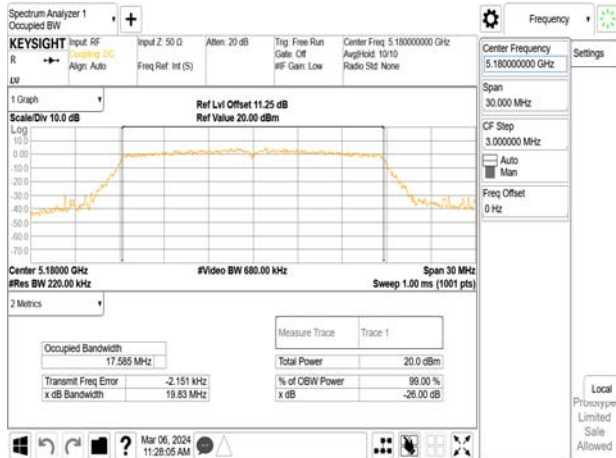
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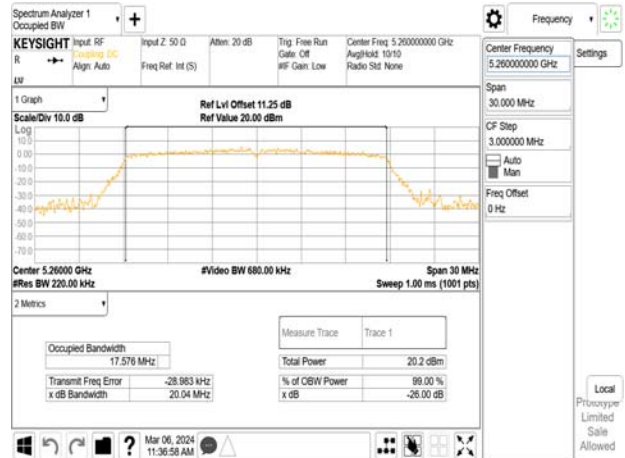
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802.11n_20MHz_Chain0_5180MHz



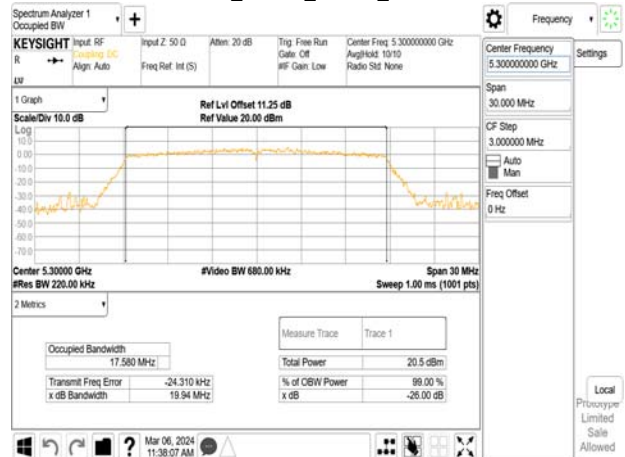
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802.11n_20MHz_Chain0_5220MHz



802.11n_20MHz_Chain0_5300MHz

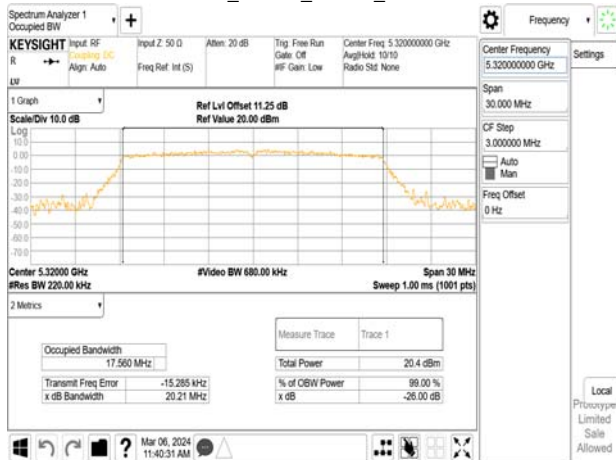


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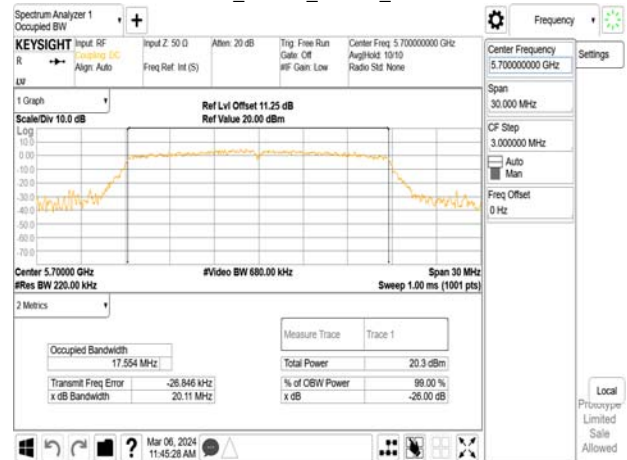
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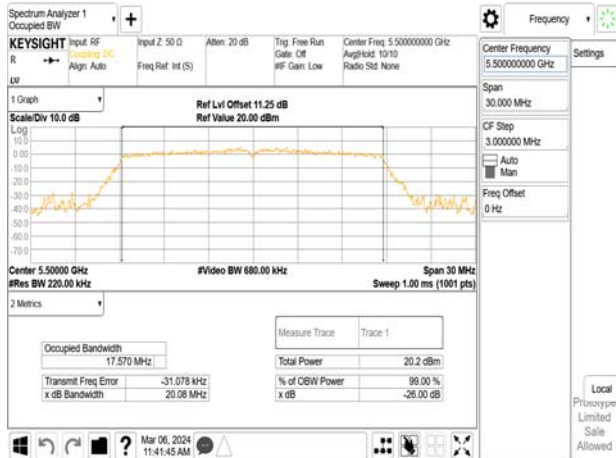
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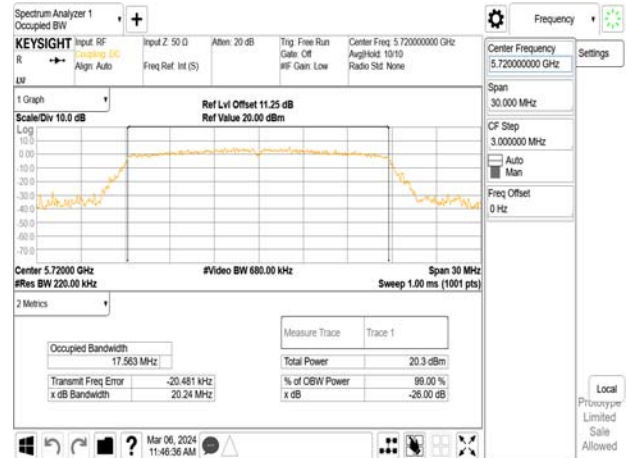
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802.11n_20MHz_Chain0_5720MHz



802.11n_20MHz_Chain0_5580MHz



802.11n_20MHz_Chain0_5745MHz

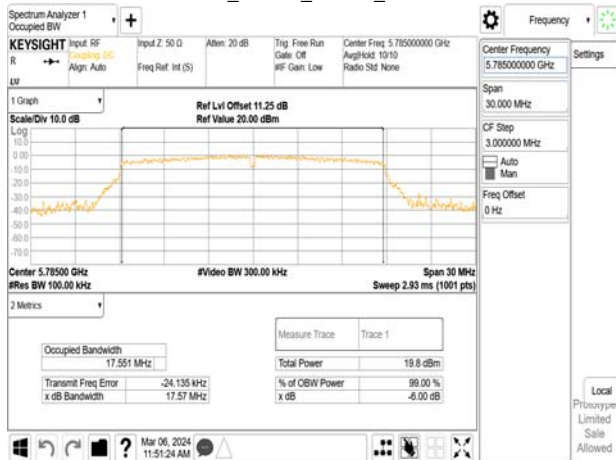


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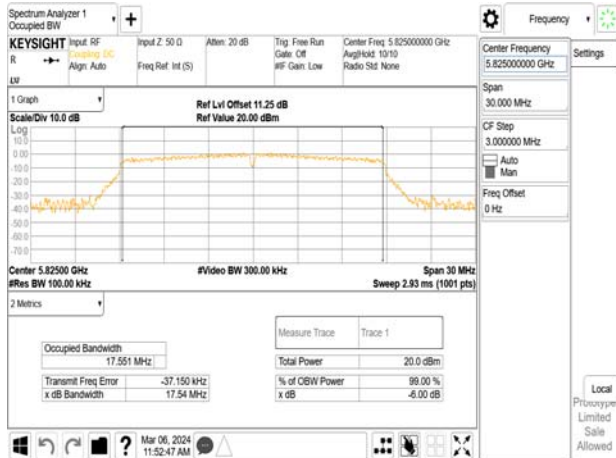
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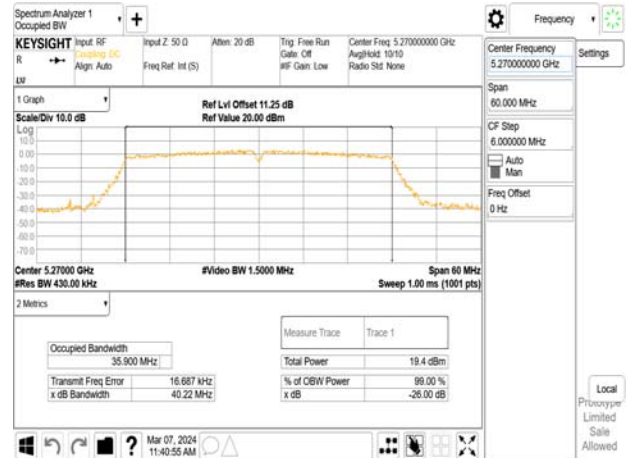
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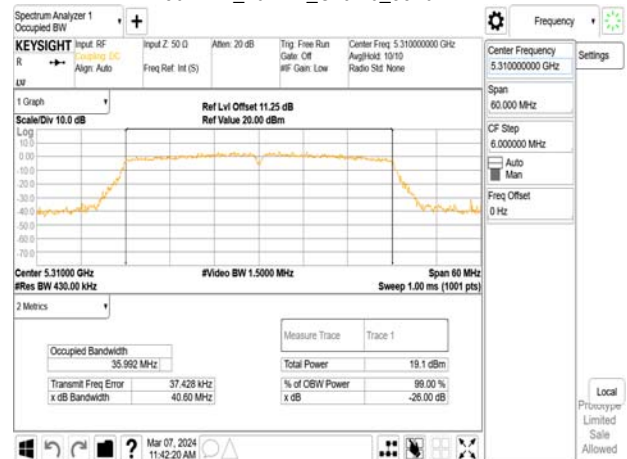
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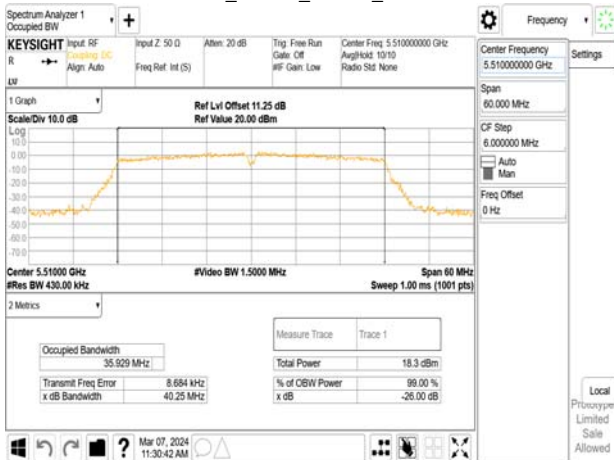


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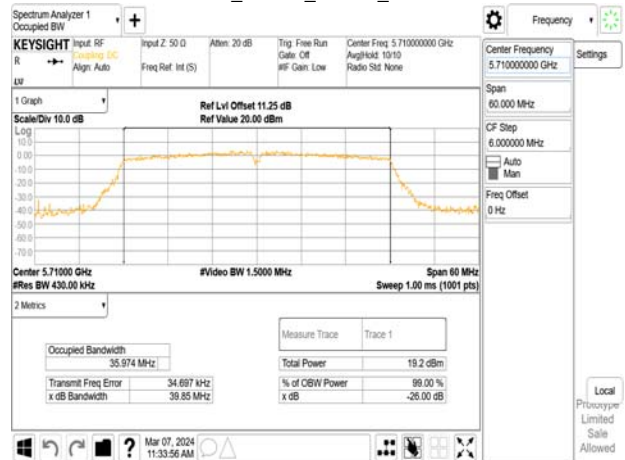
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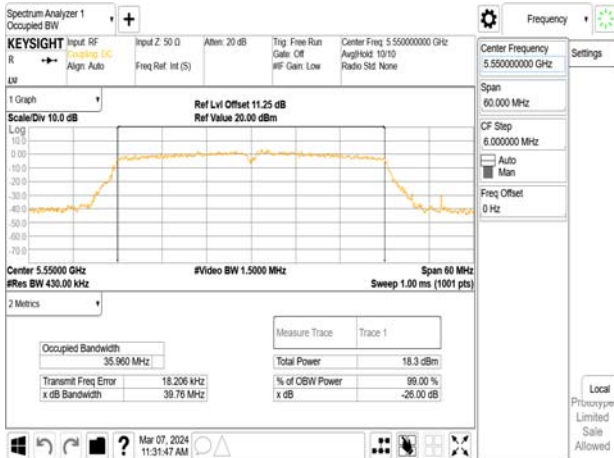
802.11n_40MHz_Chain0_5510MHz



802.11n_40MHz_Chain0_5710MHz



802.11n_40MHz_Chain0_5550MHz



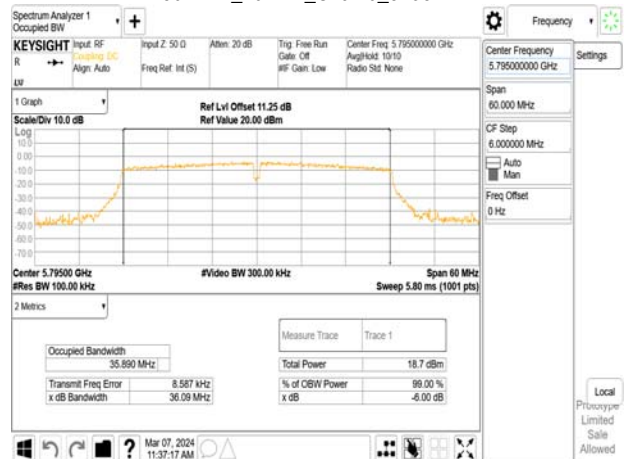
802.11n_40MHz_Chain0_5755MHz



802.11n_40MHz_Chain0_5670MHz



802.11n_40MHz_Chain0_5795MHz



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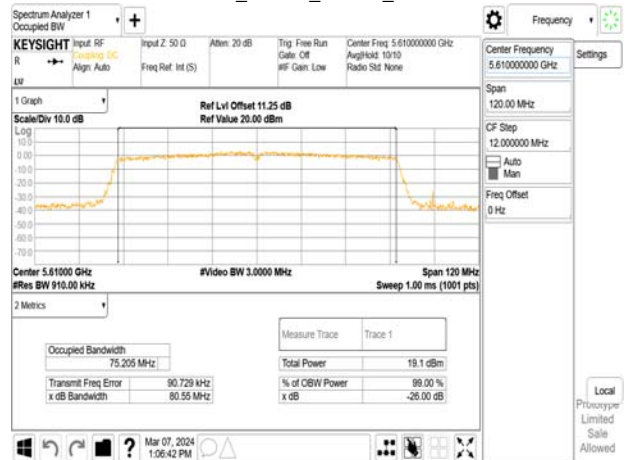
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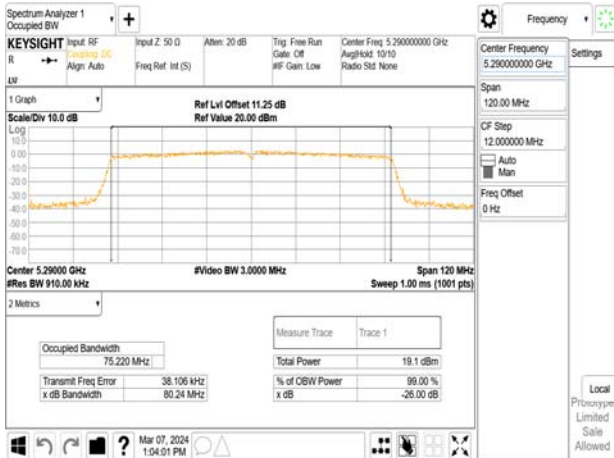
802.11ac_80MHz_Chain0_5210MHz



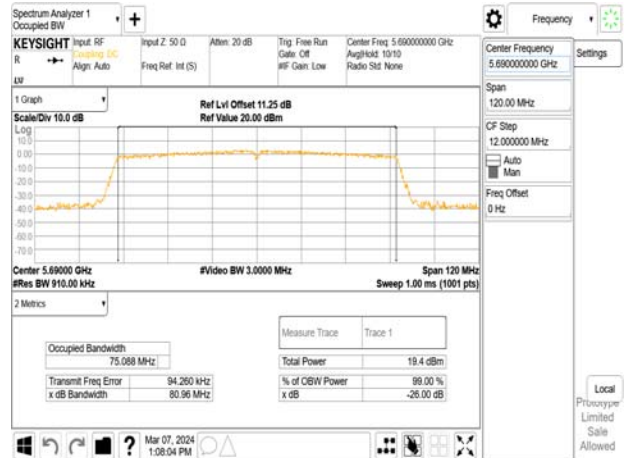
802.11ac_80MHz_Chain0_5610MHz



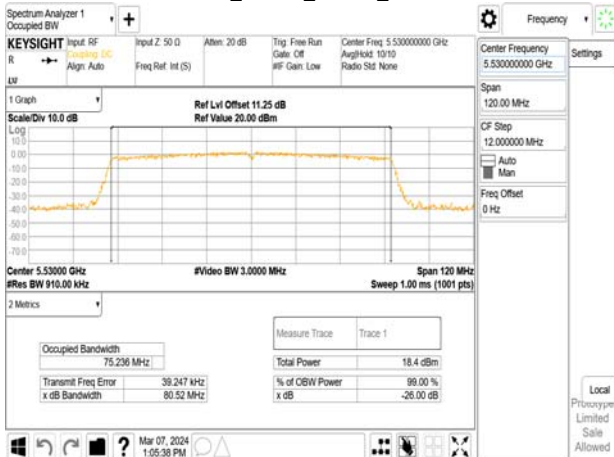
802.11ac_80MHz_Chain0_5290MHz



802.11ac_80MHz_Chain0_5690MHz



802.11ac_80MHz_Chain0_5530MHz



802.11ac_80MHz_Chain0_5775MHz



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9 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

9.1 Standard Applicable

9.1.1 Duty Cycle

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle.

All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

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9.1.2 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
U-NII-4		Indoor AP (a channel spans 5725~5850 and 5850~5895MHz)	Not required	36dBm	Not required	Not required
		indoor client (a channel spans 5725~5850 and 5850~5895MHz)	Not required	30dBm	Not required	Not required
		subordinate device	Not required	36dBm	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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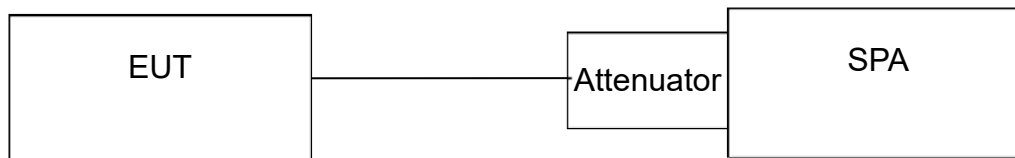
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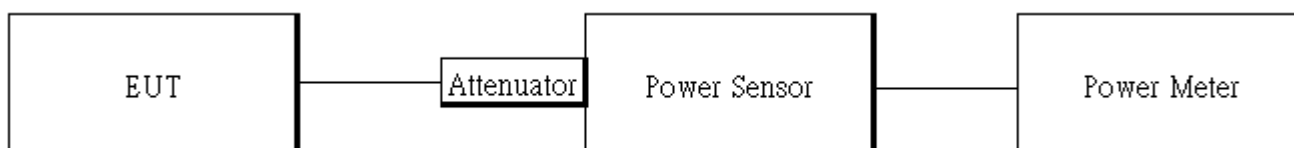
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9.2 Test Setup

9.2.1 Duty Cycle



9.2.2 Output Power



9.3 Measurement Procedure

9.3.1 Duty Cycle Measurements

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

9.3.2 Output Power Measurements

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 $10 \log(1/\text{duty cycle})$.
6. Repeat above procedures until all frequency (low, middle, and high channel) measured were complete.

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9.4 Duty Cycle Measurement Result

Mode	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11a	100.00	0.00	0.00	0.01
802.11n_20	100.00	0.00	0.00	0.01
802.11ac_20	100.00	0.00	0.00	0.01
802.11n_40	100.00	0.00	0.00	0.01
802.11ac_40	100.00	0.00	0.00	0.01
802.11ac_80	100.00	0.00	0.00	0.01

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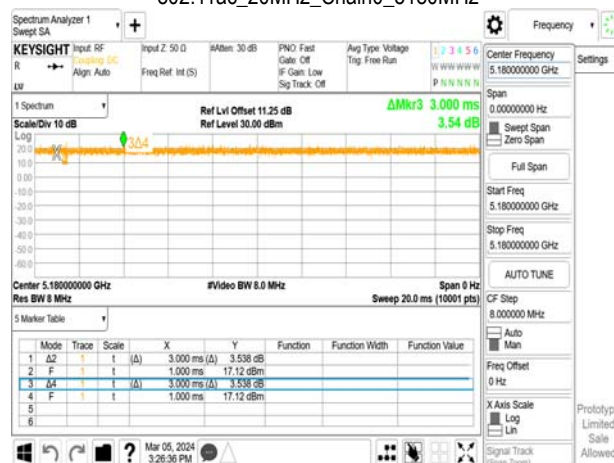
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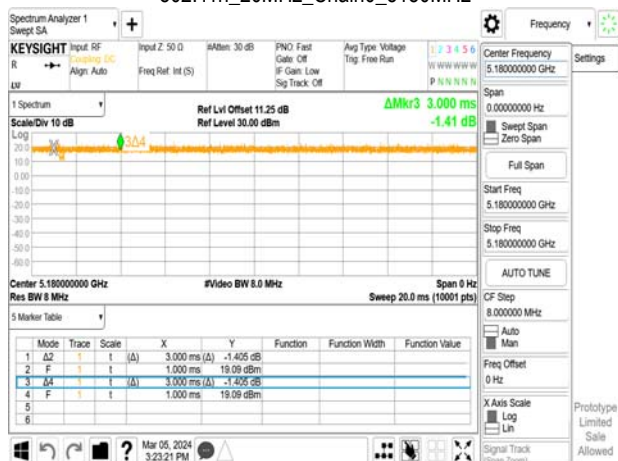
802.11a_20MHz_Chain0_5180MHz



802.11ac_20MHz_Chain0_5180MHz



802.11n_20MHz_Chain0_5180MHz



802.11ac_40MHz_Chain0_5190MHz



802.11n_40MHz_Chain0_5190MHz



802.11ac_80MHz_Chain0_5210MHz



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9.5 Output Power Measurement Result

9.5.1 FCC Output power

802.11a_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	17	48.753	16.88	23.98	PASS
44	5220	6	17	45.814	16.61	23.98	PASS
48	5240	6	17	46.881	16.71	23.98	PASS
52	5260	6	17	49.091	16.91	23.98	PASS
60	5300	6	17	48.306	16.84	23.97	PASS
64	5320	6	17	49.091	16.91	23.94	PASS
100	5500	6	17	46.989	16.72	23.96	PASS
116	5580	6	17	46.881	16.71	23.9	PASS
140	5700	6	17	45.290	16.56	23.97	PASS
144	5720(U-NII 2C)	6	17	34.07	15.32	22.72	PASS
144	5720 (U-NII 3)	6	17	11.12	10.46	30	PASS
149	5745	6	17	44.771	16.51	30	PASS
157	5785	6	17	47.315	16.75	30	PASS
165	5825	6	17	45.920	16.62	30	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	16	39.355	15.95	23.98	PASS
44	5220	MCS0	16	38.905	15.90	23.98	PASS
48	5240	MCS0	16	38.637	15.87	23.98	PASS
52	5260	MCS0	16	38.994	15.91	23.98	PASS
60	5300	MCS0	16	38.815	15.89	23.98	PASS
64	5320	MCS0	16	40.458	16.07	23.98	PASS
100	5500	MCS0	16	39.537	15.97	23.98	PASS
116	5580	MCS0	16	38.548	15.86	23.98	PASS
140	5700	MCS0	16	38.459	15.85	23.97	PASS
144	5720(U-NII 2C)	MCS0	16	27.76	14.43	23.98	PASS
144	5720 (U-NII 3)	MCS0	16	9.40	9.73	30	PASS
149	5745	MCS0	16	37.584	15.75	30	PASS
157	5785	MCS0	16	37.411	15.73	30	PASS
165	5825	MCS0	16	37.931	15.79	30	PASS

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802.11n_HT40_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	15	29.992	14.77	23.98	PASS
46	5230	MCS0	15	30.269	14.81	23.98	PASS
54	5270	MCS0	15	30.339	14.82	23.98	PASS
62	5310	MCS0	15	29.854	14.75	23.98	PASS
102	5510	MCS0	15	30.409	14.83	23.98	PASS
110	5550	MCS0	15	30.620	14.86	23.98	PASS
134	5670	MCS0	15	29.174	14.65	23.98	PASS
142	5710(U-NII 2C)	MCS0	15	25.39	14.05	23.98	PASS
142	5710 (U-NII 3)	MCS0	15	3.58	5.54	30	PASS
151	5755	MCS0	15	28.907	14.61	30	PASS
159	5795	MCS0	15	30.061	14.78	30	PASS

802.11ac_VHT20_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	16	39.084	15.92	23.98	PASS
44	5220	MCS0	16	38.726	15.88	23.98	PASS
48	5240	MCS0	16	38.459	15.85	23.98	PASS
52	5260	MCS0	16	38.459	15.85	23.98	PASS
60	5300	MCS0	16	38.107	15.81	23.98	PASS
64	5320	MCS0	16	40.272	16.05	23.98	PASS
100	5500	MCS0	16	37.931	15.79	23.98	PASS
116	5580	MCS0	16	38.282	15.83	23.98	PASS
140	5700	MCS0	16	38.371	15.84	23.97	PASS
144	5720(U-NII 2C)	MCS0	16	27.56	14.40	23.98	PASS
144	5720 (U-NII 3)	MCS0	16	9.33	9.70	30	PASS
149	5745	MCS0	16	37.497	15.74	30	PASS
157	5785	MCS0	16	36.983	15.68	30	PASS
165	5825	MCS0	16	37.584	15.75	30	PASS

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802.11ac_VHT40_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	15	29.580	14.71	23.98	PASS
46	5230	MCS0	15	28.907	14.61	23.98	PASS
54	5270	MCS0	15	30.130	14.79	23.98	PASS
62	5310	MCS0	15	29.785	14.74	23.98	PASS
102	5510	MCS0	15	30.061	14.78	23.98	PASS
110	5550	MCS0	15	30.339	14.82	23.98	PASS
134	5670	MCS0	15	29.107	14.64	23.98	PASS
142	5710(U-NII 2C)	MCS0	15	25.33	14.04	23.98	PASS
142	5710 (U-NII 3)	MCS0	15	3.57	5.53	30	PASS
151	5755	MCS0	15	28.379	14.53	30	PASS
159	5795	MCS0	15	29.785	14.74	30	PASS

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	14	22.387	13.50	23.98	PASS
58	5290	MCS0	13.5	20.845	13.19	23.98	PASS
106	5530	MCS0	14	23.388	13.69	23.98	PASS
122	5610	MCS0	14	25.061	13.99	23.98	PASS
138	5690(U-NII 2C)	MCS0	14	22.73	13.57	23.98	PASS
138	5690 (U-NII 3)	MCS0	14	1.65	2.18	30	PASS
155	5775	MCS0	14	25.763	14.11	30	PASS

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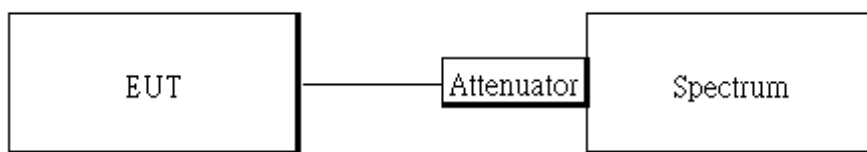
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10 MAXIMUM POWER SPECTRAL DENSITY

10.1 FCC Standard

Operation Bands	EUT CATEGORY		e-CRF Title 47 §15.407 Power Spectral Density	Antenna Directional Gain Requirements
U-NII-1		Outdoor Access Point (Master)	1. 17dBm/ MHz 2. EIRP<=125mW(21dBm) at any elevation angle > 30°	6dBi
		Indoor Access Point (Master)	17dBm / MHz	6dBi
		Fixed point-to-point Access Point	17dBm / MHz	23dBi
	V	Client device	11dBm / MHz	6dBi
U-NII-2A	V	All	11dBm / MHz	6dBi
U-NII-2C	V	All	11dBm / MHz	6dBi
U-NII-3	V	All	30dBm / 500kHz	6dBi
U-NII-4		Indoor AP	20dBm / MHz e.i.r.p.	Not required
		indoor client	14dBm / MHz e.i.r.p.	Not required
		subordinate device	20dBm / MHz e.i.r.p.	Not required
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 directional gain of the antenna.				

10.2 Test Setup



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10.3 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 Spectrum.
4. For U-NII1, U-NII-2A, U-NII-2C Band:
Set RBW=1MHz, VBW=3MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto (1001 pts), Detector = power averaging (rms), if available. Otherwise, use sample detector mode, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)
For U-NII-3 Band:
Set RBW=300kHz, VBW=1MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto, detector = RMS or sample, traces 100 sweeps of video averaging.
In addition, measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10 log (500 kHz/RBW) to the measured result.
5. Use the cursor on spectrum to peak search the highest level of trace
6. (1)Duty cycle $\geq 98\%$: Record the max. reading.
(2)Duty cycle $< 98\%$: Record the max. reading and add 10 log(1/duty cycle).
7. Repeat above procedures until all default test channel (low, middle, and high) was complete.

10.4 Measurement Result

POWER DENSITY 802.11a MODE						
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	5.851	0.00	5.85		11.00 dBm/MHz	-5.15
5220	5.843	0.00	5.84		11.00 dBm/MHz	-5.16
5240	5.638	0.00	5.64		11.00 dBm/MHz	-5.36
5260	5.792	0.00	5.79		11.00 dBm/MHz	-5.21
5300	5.464	0.00	5.46		11.00 dBm/MHz	-5.54
5320	5.707	0.00	5.71		11.00 dBm/MHz	-5.29
5500	4.500	0.00	4.50		11.00 dBm/MHz	-6.50
5580	5.494	0.00	5.49		11.00 dBm/MHz	-5.51
5700	6.145	0.00	6.15		11.00 dBm/MHz	-4.86
5720 (U-NII 2C)	6.086	0.00	6.09		11.00 dBm/MHz	-4.91
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	-1.331	0.00	2.22	0.89	30.00 dBm/500kHz	-29.11
5745	0.759	0.00	2.22	2.98	30.00 dBm/500kHz	-27.02
5785	1.332	0.00	2.22	3.55	30.00 dBm/500kHz	-26.45
5825	0.892	0.00	2.22	3.11	30.00 dBm/500kHz	-26.89

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POWER DENSITY 802.11n HT20 MODE						
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maximum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	4.384	0.00	4.38		11.00 dBm/MHz	-6.62
5220	4.521	0.00	4.52		11.00 dBm/MHz	-6.48
5240	4.592	0.00	4.59		11.00 dBm/MHz	-6.41
5260	4.557	0.00	4.56		11.00 dBm/MHz	-6.44
5300	4.497	0.00	4.50		11.00 dBm/MHz	-6.50
5320	4.450	0.00	4.45		11.00 dBm/MHz	-6.55
5500	3.805	0.00	3.81		11.00 dBm/MHz	-7.20
5580	4.208	0.00	4.21		11.00 dBm/MHz	-6.79
5700	4.816	0.00	4.82		11.00 dBm/MHz	-6.18
5720 (U-NII 2C)	4.634	0.00	4.63		11.00 dBm/MHz	-6.37
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maximum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	-2.201	0.00	2.22	0.02	30.00 dBm/500kHz	-29.98
5745	-0.275	0.00	2.22	1.95	30.00 dBm/500kHz	-28.06
5785	-0.351	0.00	2.22	1.87	30.00 dBm/500kHz	-28.13
5825	-0.323	0.00	2.22	1.90	30.00 dBm/500kHz	-28.10
POWER DENSITY 802.11n HT40 MODE						
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maximum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	0.526	0.00	0.53		11.00 dBm/MHz	-10.47
5230	0.295	0.00	0.30		11.00 dBm/MHz	-10.71
5270	0.413	0.00	0.41		11.00 dBm/MHz	-10.59
5310	-0.345	0.00	-0.35		11.00 dBm/MHz	-11.35
5510	-0.837	0.00	-0.84		11.00 dBm/MHz	-11.84
5550	-0.585	0.00	-0.59		11.00 dBm/MHz	-11.59
5670	0.112	0.00	0.11		11.00 dBm/MHz	-10.89
5710 (U-NII 2C)	0.481	0.00	0.48		11.00 dBm/MHz	-10.52
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maximum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5710 (U-NII 3)	-8.437	0.00	2.22	-6.22	30.00 dBm/500kHz	-36.22
5755	-4.559	0.00	2.22	-2.34	30.00 dBm/500kHz	-32.34
5795	-4.848	0.00	2.22	-2.63	30.00 dBm/500kHz	-32.63

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POWER DENSITY 802.11ac VHT80 MODE						
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maximum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	-3.829	0.00	-3.83		11.00 dBm/MHz	-14.83
5290	-4.043	0.00	-4.04		11.00 dBm/MHz	-15.04
5530	-4.947	0.00	-4.95		11.00 dBm/MHz	-15.95
5610	-4.213	0.00	-4.21		11.00 dBm/MHz	-15.21
5690 (U-NII 2C)	-3.543	0.00	-3.54		11.00 dBm/MHz	-14.54
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maximum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5690 (U-NII 3)	-12.623	0.00	2.22	-10.40	30.00 dBm/500kHz	-40.40
5775	-8.895	0.00	2.22	-6.68	30.00 dBm/500kHz	-36.68

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802.11a_20MHz_Chain0_5180MHz



802.11a_20MHz_Chain0_5260MHz



802.11a_20MHz_Chain0_5220MHz



802.11a_20MHz_Chain0_5300MHz



802.11a_20MHz_Chain0_5240MHz



802.11a_20MHz_Chain0_5320MHz



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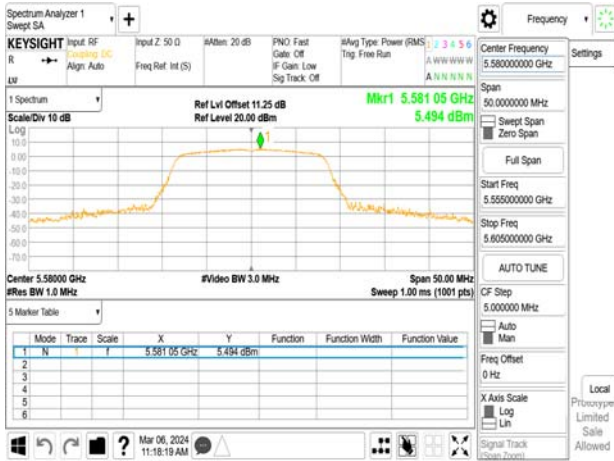
802.11a_20MHz_Chain0_5500MHz



802.11a_20MHz_Chain0_5720MHz_UNII 2C



802.11a_20MHz_Chain0_5580MHz



802.11a_20MHz_Chain0_5720MHz_UNII 3



802.11a_20MHz_Chain0_5700MHz



802.11a_20MHz_Chain0_5745MHz



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802.11a_20MHz_Chain0_5785MHz



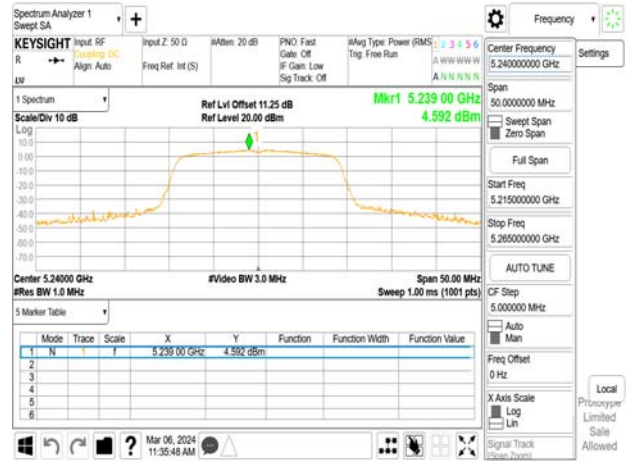
802.11n_20MHz_Chain0_5220MHz



802.11a_20MHz_Chain0_5825MHz



802.11n_20MHz_Chain0_5240MHz



802.11n_20MHz_Chain0_5180MHz



802.11n_20MHz_Chain0_5260MHz

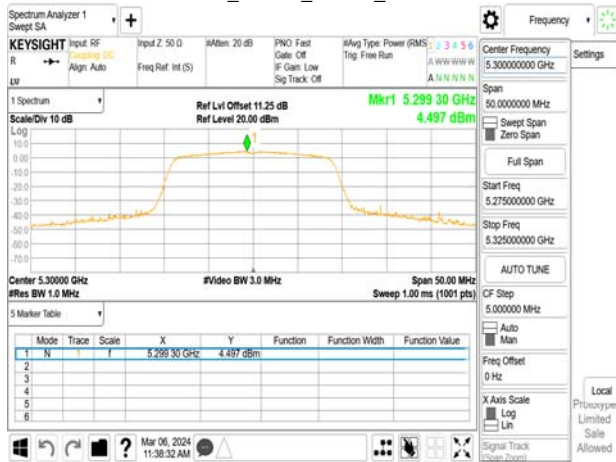


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802.11n_20MHz_Chain0_5300MHz



802.11n_20MHz_Chain0_5580MHz



802.11n_20MHz_Chain0_5320MHz



802.11n_20MHz_Chain0_5700MHz



802.11n_20MHz_Chain0_5500MHz



802.11n_20MHz_Chain0_5720MHz_UNII 2C



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802.11n_20MHz_Chain0_5720MHz_UNI 3



802.11n_20MHz_Chain0_5825MHz



802.11n_20MHz_Chain0_5745MHz



802.11n_40MHz_Chain0_5190MHz



802.11n_20MHz_Chain0_5785MHz



802.11n_40MHz_Chain0_5230MHz



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802.11n_40MHz_Chain0_5270MHz



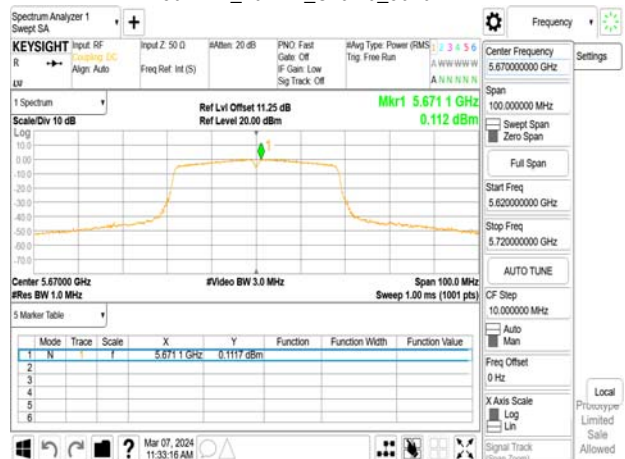
802.11n_40MHz_Chain0_5550MHz



802.11n_40MHz_Chain0_5310MHz



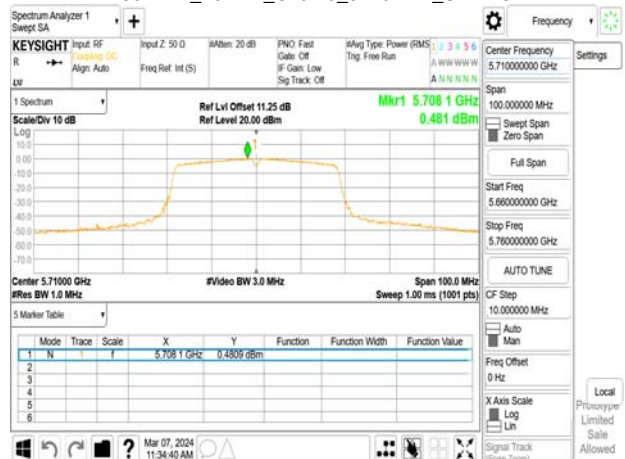
802.11n_40MHz_Chain0_5670MHz



802.11n_40MHz_Chain0_5510MHz



802.11n_40MHz_Chain0_5710MHz_UNII 2C

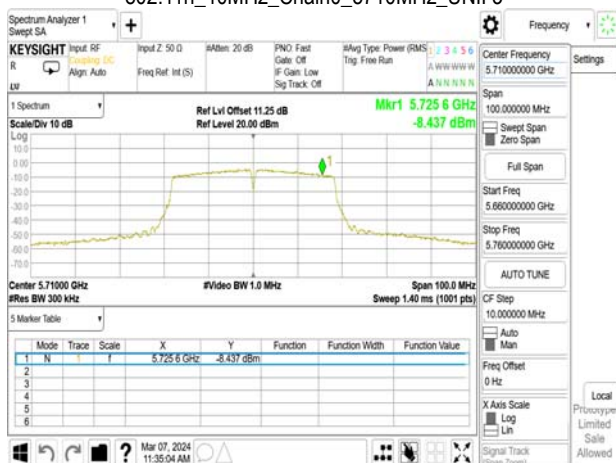


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802.11n_40MHz_Chain0_5710MHz_UNI 3



802.11ac_80MHz_Chain0_5210MHz



802.11n_40MHz_Chain0_5755MHz



802.11ac_80MHz_Chain0_5290MHz



802.11n_40MHz_Chain0_5795MHz



802.11ac_80MHz_Chain0_5530MHz



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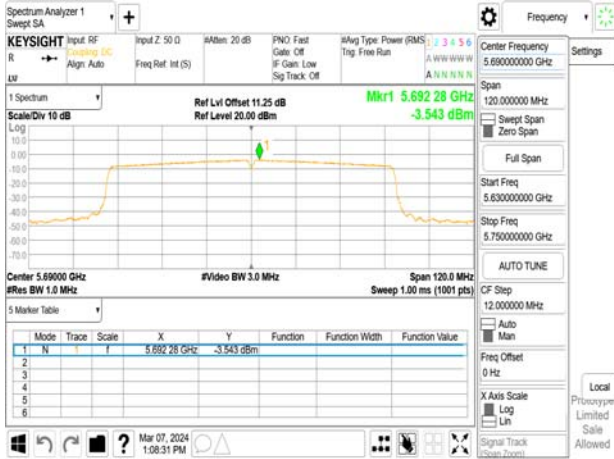
802.11ac_80MHz_Chain0_5610MHz



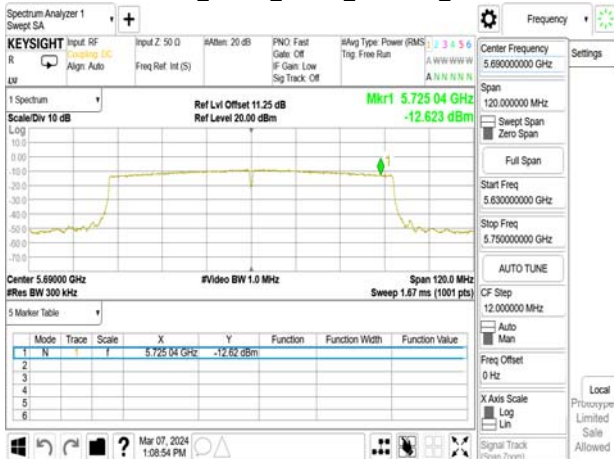
802.11ac_80MHz_Chain0_5775MHz



802.11ac_80MHz_Chain0_5690MHz_UNII 2C



802.11ac_80MHz_Chain0_5690MHz_UNII 3



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11 UNDESIRABLE RADIATED EMISSION MEASUREMENT

11.1 Standard Applicable

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

11.1.1 5150~5850 MHz

Applicable to	Operation Freq. (MHz)	EIRP		Field Strength @ 3m (dBμV/m)
		Freq. (MHz)	Limits (dBm/MHz)	
15.407(b)(1) RSS-247 §6.2.1.2	5150~5250	$f \leq 5150$ $f \geq 5350$	PK: -27	PK: 68.2
15.407(b)(2) RSS-247 §6.2.2.2	5250~5350			
15.407(b)(3) RSS-247 §6.2.3.2	5475~5725			
15.407(b)(4)(i) RSS-247 §6.2.4.3	5725~5850	at 75 MHz or more above or below the band edge	PK:-27	PK: 68.2
		increasing linearly from 75~25MHz above or below the band edge	PK:-27~10	PK: 68.2~105.2
		increasing linearly from 25~5MHz above or below the band edge	PK:10~15.6	PK: 105.2~110.8
		increasing linearly from 5~0 MHz above or below the band edge	PK: 15.6~27	PK:110.8~122.2

11.1.2 Spurious Emission

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

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Note:

- The lower limit shall apply at the transition frequencies.

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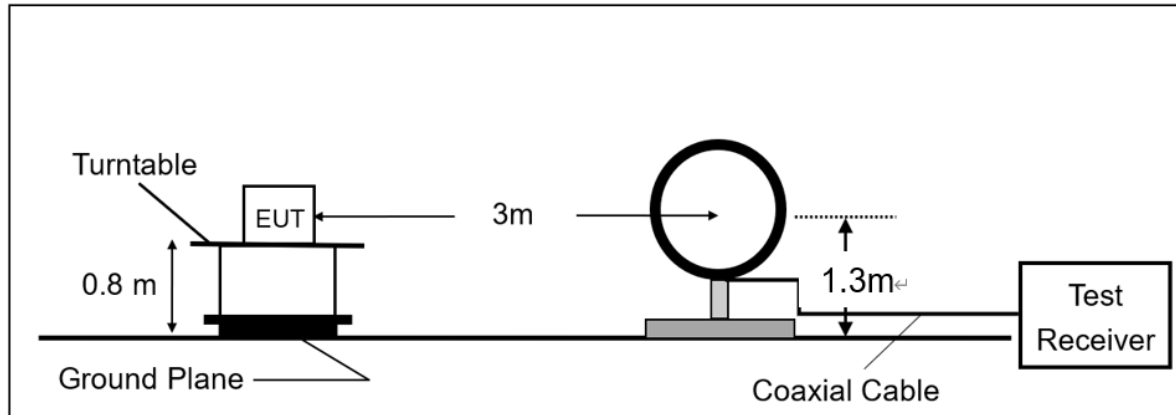
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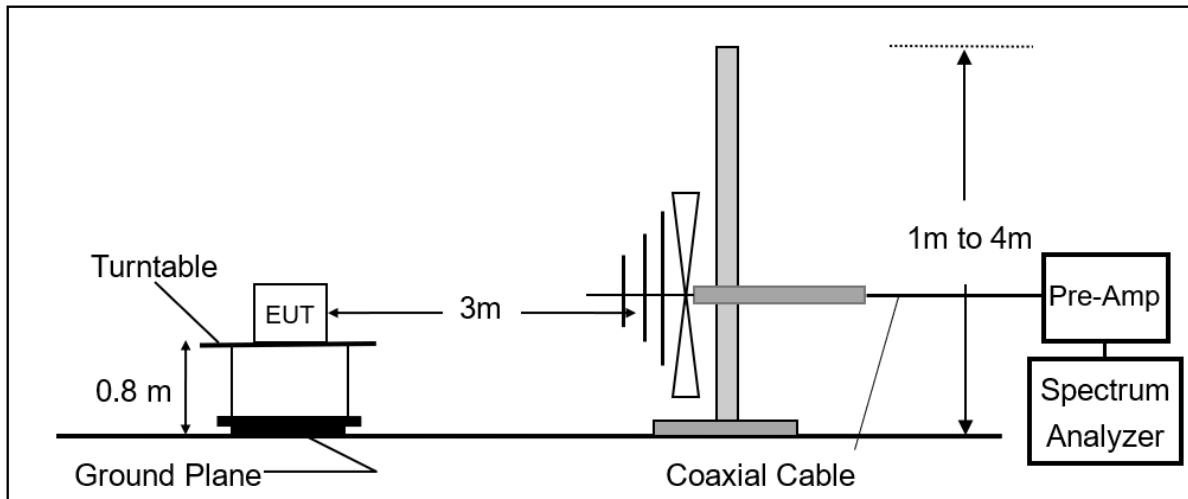
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11.2 Test Setup

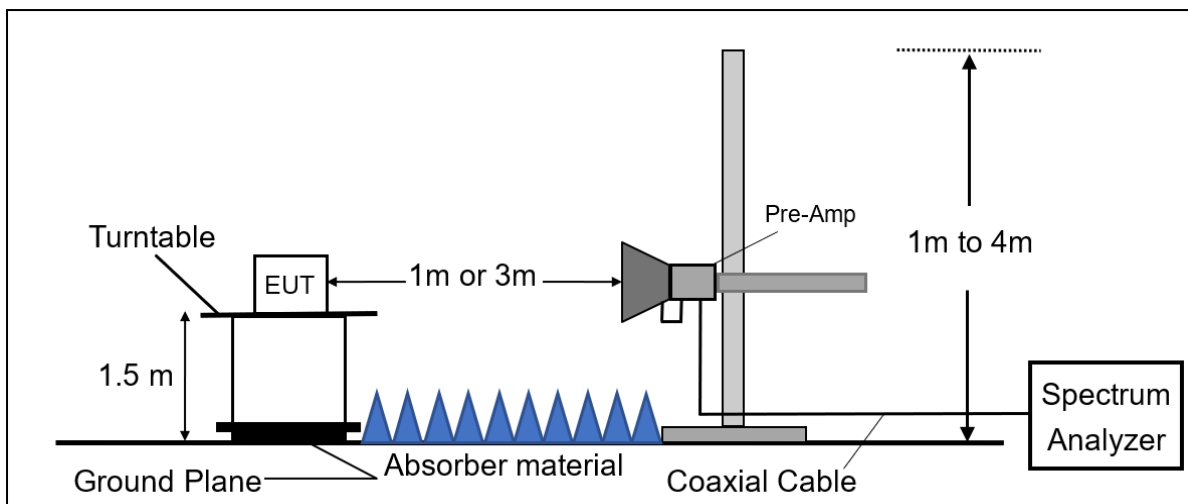
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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11.3 Measurement Procedure

1. The testing follows FCC KDB 789033 D02.
2. The EUT was placed on a turn table with 0.8m for frequency < 1GHz and 1.5m for frequency > 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz
6. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Maximum Emission Measurements at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW $\geq 1/T$ (Duty cycle < 98%) for Average Emission Measurements at frequency above 1 GHz.
9. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
12. Repeat above procedures until all frequency measured were complete.

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11.4 Field Strength Calculation

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

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

Where *FS* = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

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

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

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

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

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

Pre-scan was done at frequency 5.47 GHz and 5.85 GHz for bandedge measurement of straddle channels 138, 142 and 144 which was 20dB lower than the limit per 15.31(o) was not reported.

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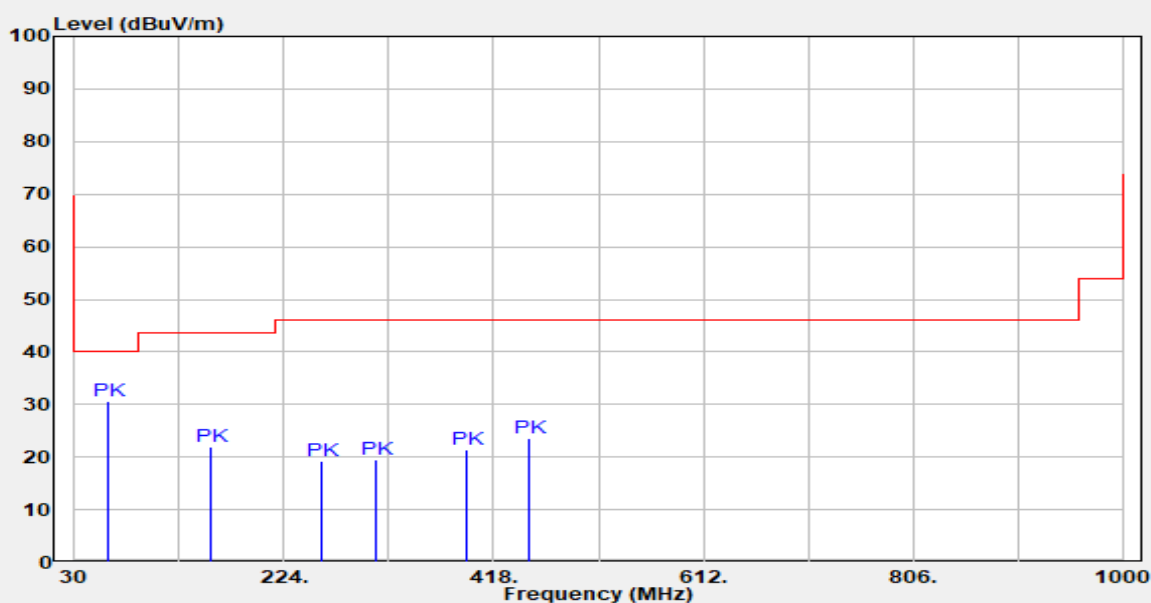
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11.6 Radiated Spurious Emission Measurement Result

11.6.1 Spurious Emission

Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5220 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



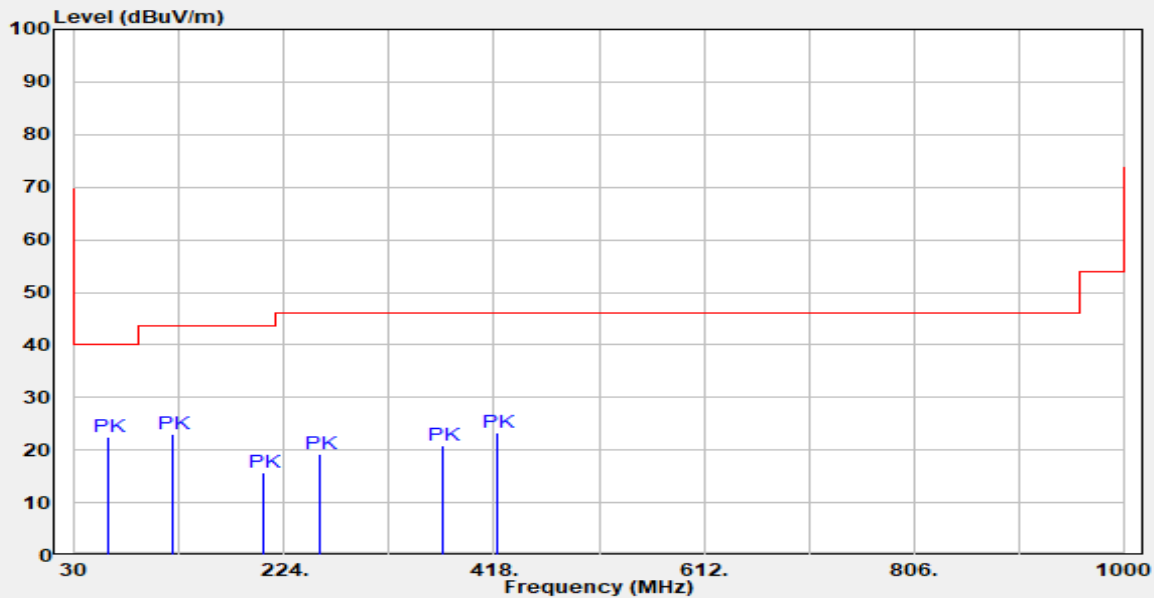
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
61.04	Peak	48.82	-18.31	30.51	40.00	-9.49
155.13	Peak	34.97	-13.02	21.95	43.50	-21.55
258.92	Peak	27.70	-8.46	19.24	46.00	-26.76
309.36	Peak	28.26	-8.83	19.43	46.00	-26.57
392.78	Peak	28.53	-6.98	21.54	46.00	-24.46
450.01	Peak	29.40	-5.92	23.48	46.00	-22.52

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5220 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



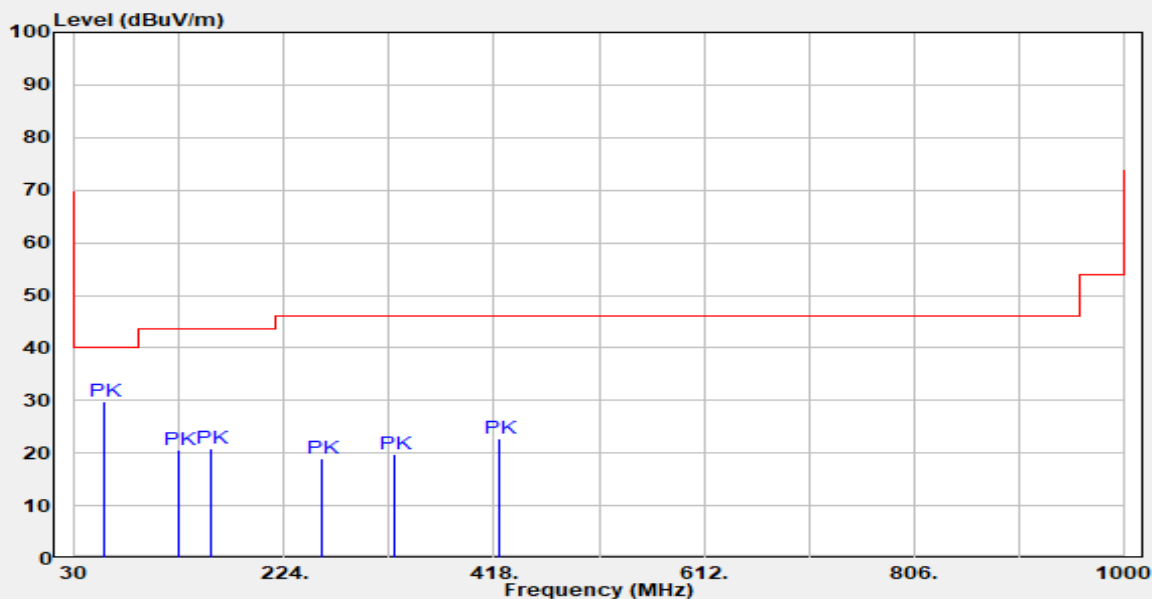
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
61.04	Peak	40.77	-18.31	22.46	40.00	-17.54
121.18	Peak	34.96	-11.80	23.16	43.50	-20.34
204.60	Peak	29.12	-13.35	15.77	43.50	-27.73
256.98	Peak	28.10	-8.72	19.38	46.00	-26.62
370.47	Peak	28.42	-7.64	20.78	46.00	-25.22
419.94	Peak	29.25	-5.82	23.43	46.00	-22.57

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5300 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



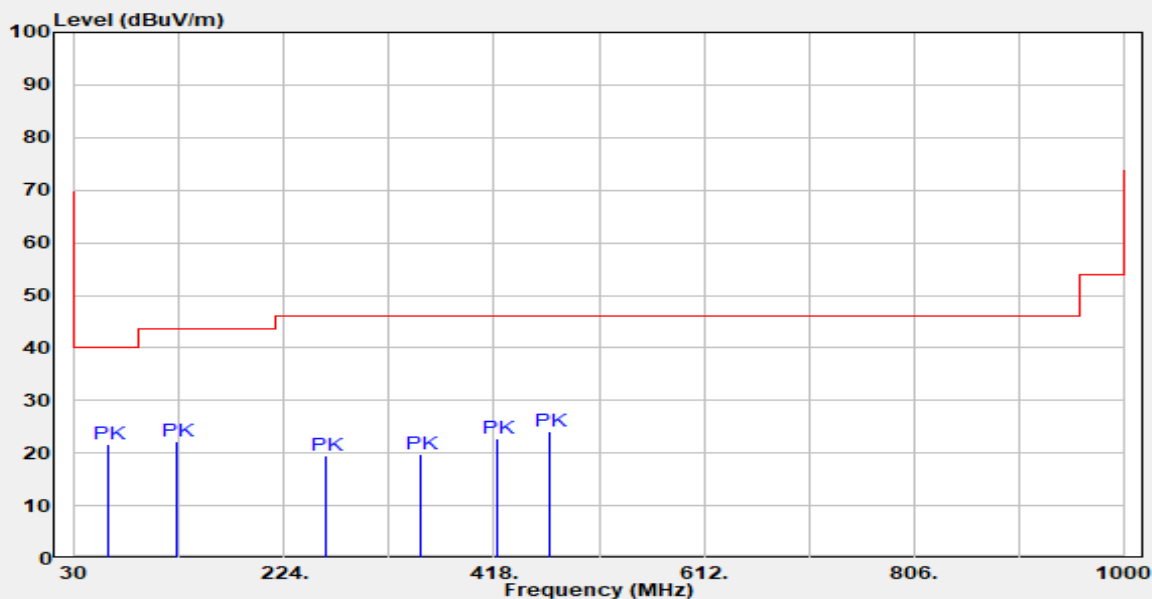
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
57.16	Peak	47.92	-18.11	29.81	40.00	-10.19
126.03	Peak	32.20	-11.67	20.53	43.50	-22.97
156.10	Peak	33.97	-13.19	20.78	43.50	-22.72
257.95	Peak	27.50	-8.59	18.91	46.00	-27.09
325.85	Peak	28.18	-8.48	19.70	46.00	-26.30
422.85	Peak	28.50	-5.83	22.67	46.00	-23.33

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5300 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



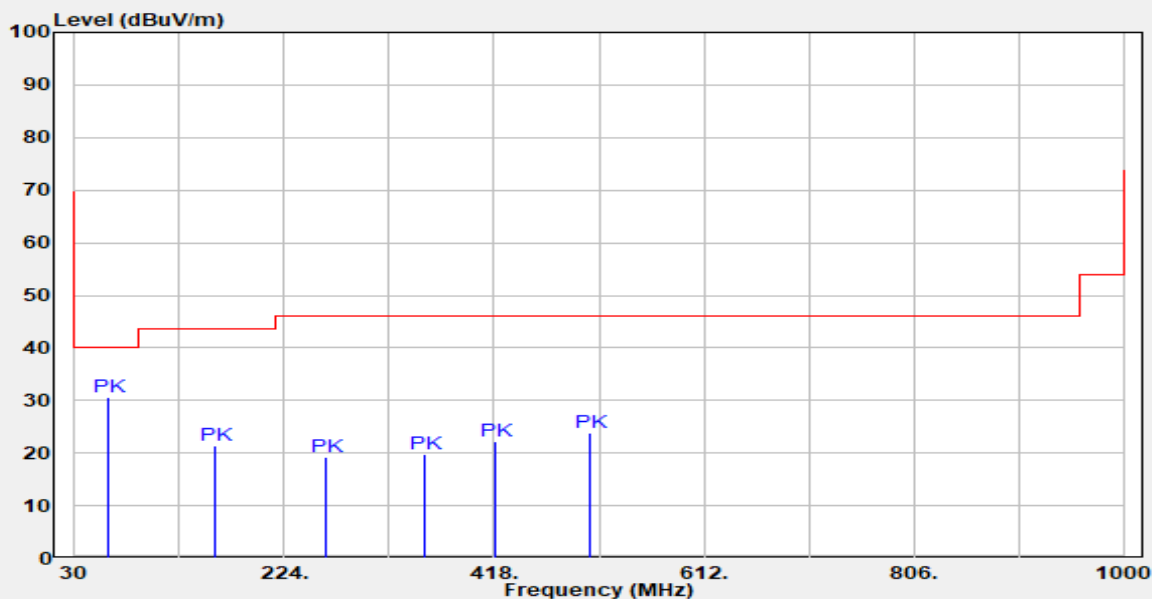
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
61.04	Peak	40.08	-18.31	21.78	40.00	-18.22
125.06	Peak	33.95	-11.77	22.18	43.50	-21.32
261.83	Peak	28.00	-8.46	19.55	46.00	-26.45
350.10	Peak	27.47	-7.80	19.68	46.00	-26.32
419.94	Peak	28.52	-5.82	22.70	46.00	-23.30
469.41	Peak	29.72	-5.52	24.19	46.00	-21.81

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5580 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
61.04	Peak	48.88	-18.31	30.58	40.00	-9.42
159.01	Peak	34.68	-13.22	21.46	43.50	-22.04
261.83	Peak	27.68	-8.46	19.22	46.00	-26.78
353.98	Peak	27.52	-7.61	19.91	46.00	-26.09
418.97	Peak	28.01	-5.84	22.17	46.00	-23.83
507.24	Peak	28.95	-5.18	23.77	46.00	-22.23

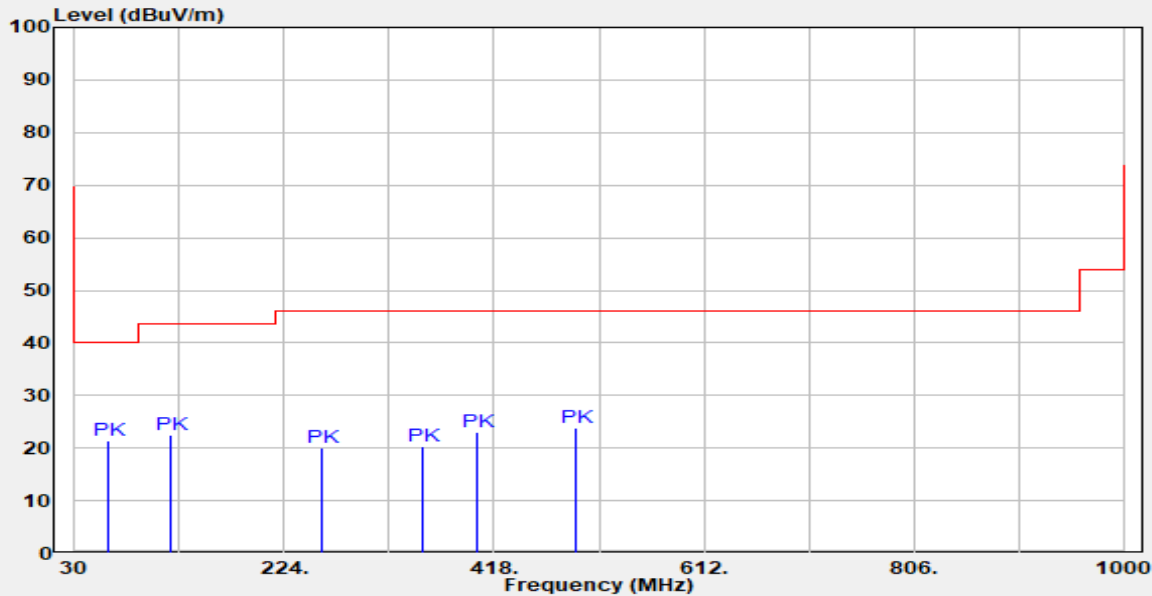
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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5580 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



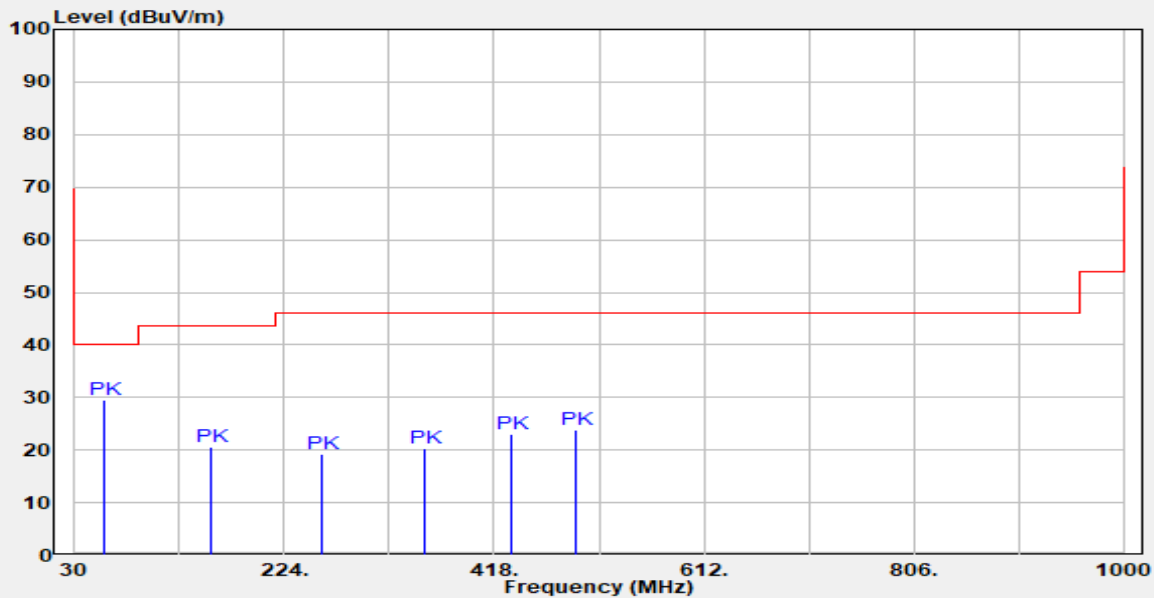
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
61.04	Peak	39.61	-18.31	21.31	40.00	-18.69
118.27	Peak	34.13	-11.70	22.43	43.50	-21.07
257.95	Peak	28.60	-8.59	20.01	46.00	-25.99
352.04	Peak	28.13	-7.70	20.43	46.00	-25.57
401.51	Peak	29.52	-6.57	22.95	46.00	-23.05
492.69	Peak	29.01	-5.12	23.89	46.00	-22.11

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5785 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



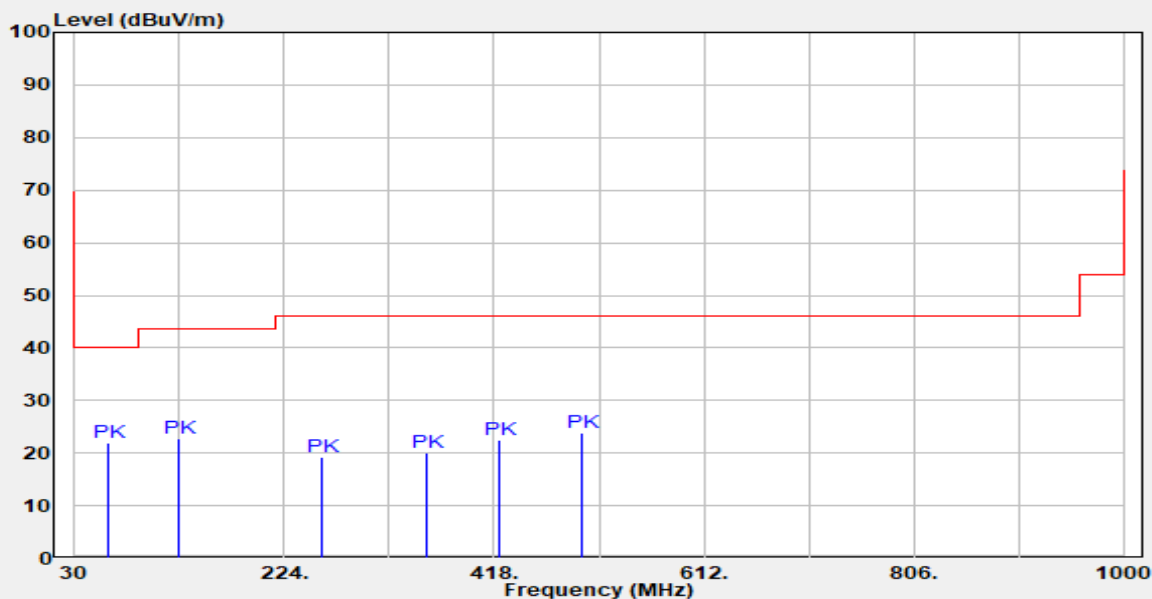
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
57.16	Peak	47.78	-18.11	29.67	40.00	-10.33
156.10	Peak	33.68	-13.19	20.49	43.50	-23.01
258.92	Peak	27.64	-8.46	19.17	46.00	-26.83
353.01	Peak	28.05	-7.66	20.39	46.00	-25.61
433.52	Peak	28.95	-5.99	22.97	46.00	-23.03
493.66	Peak	28.88	-5.14	23.74	46.00	-22.26

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5785 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



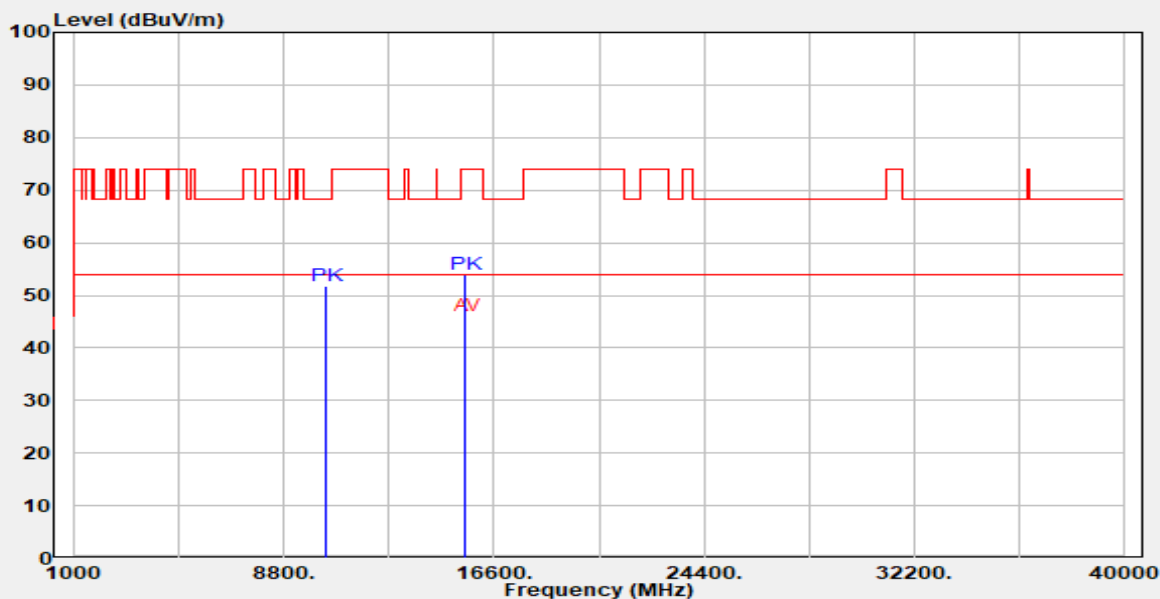
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
61.04	Peak	40.21	-18.31	21.90	40.00	-18.10
126.03	Peak	34.46	-11.67	22.79	43.50	-20.71
258.92	Peak	27.68	-8.46	19.21	46.00	-26.79
355.92	Peak	27.45	-7.53	19.92	46.00	-26.08
422.85	Peak	28.32	-5.83	22.49	46.00	-23.51
498.51	Peak	28.86	-5.15	23.71	46.00	-22.29

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5180 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



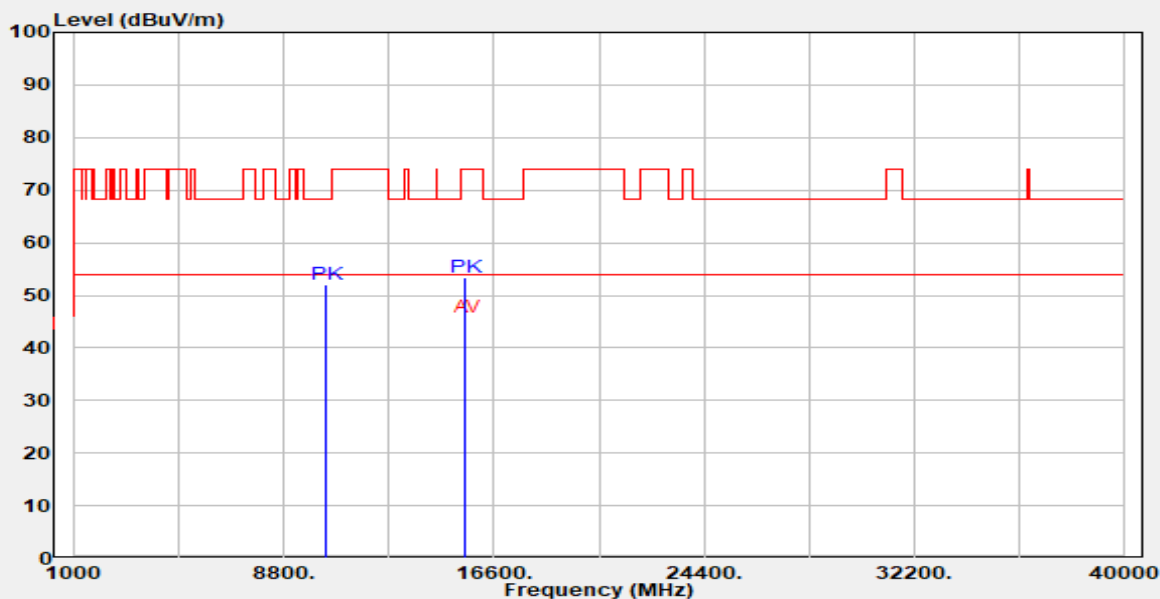
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	41.03	10.63	51.66	68.20	-16.54
15540.00	Average	36.64	9.30	45.94	54.00	-8.06
15540.00	Peak	44.64	9.30	53.93	74.00	-20.07

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5180 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



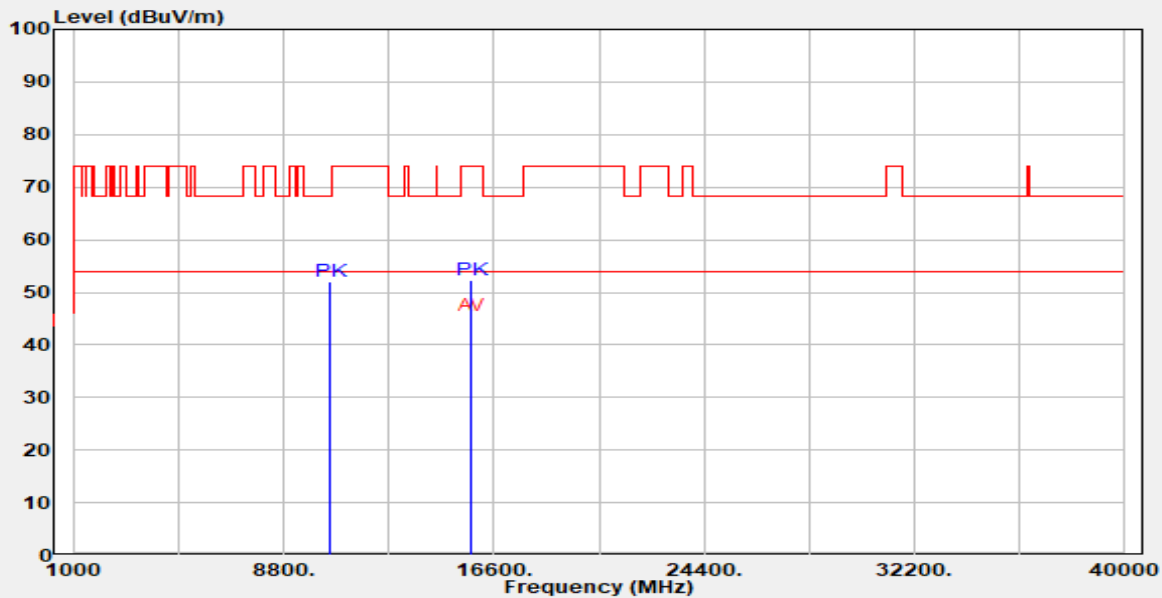
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10360.00	Peak	41.34	10.63	51.97	68.20	-16.23
15540.00	Average	36.62	9.30	45.92	54.00	-8.08
15540.00	Peak	44.03	9.30	53.33	74.00	-20.67

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5240 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



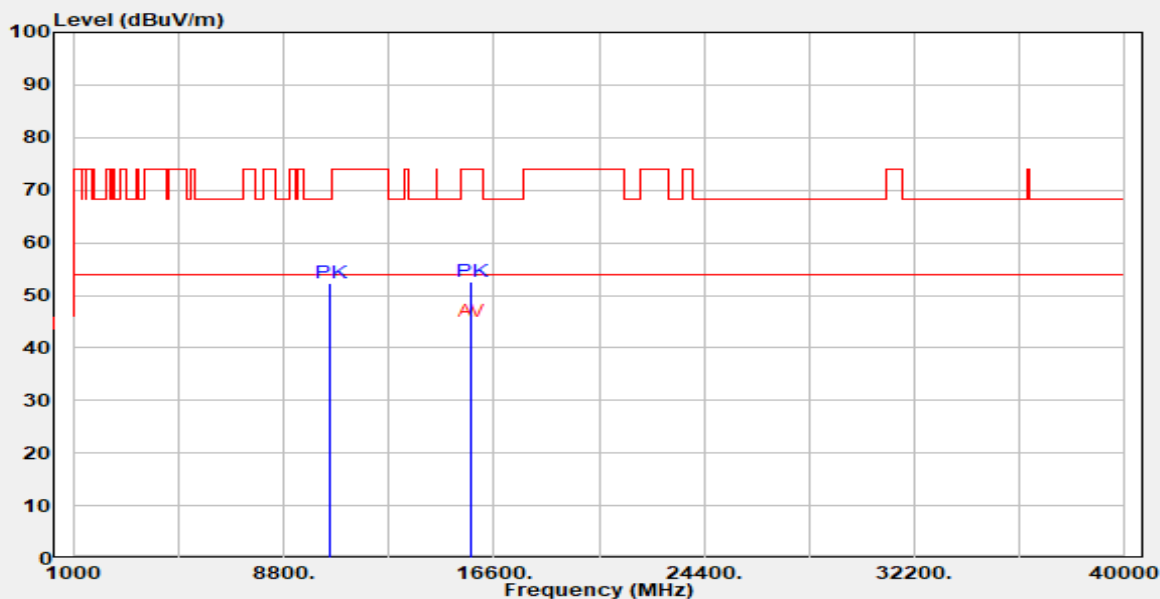
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	40.98	11.00	51.98	68.20	-16.22
15720.00	Average	36.55	8.85	45.40	54.00	-8.60
15720.00	Peak	43.37	8.85	52.22	74.00	-21.78

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5240 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



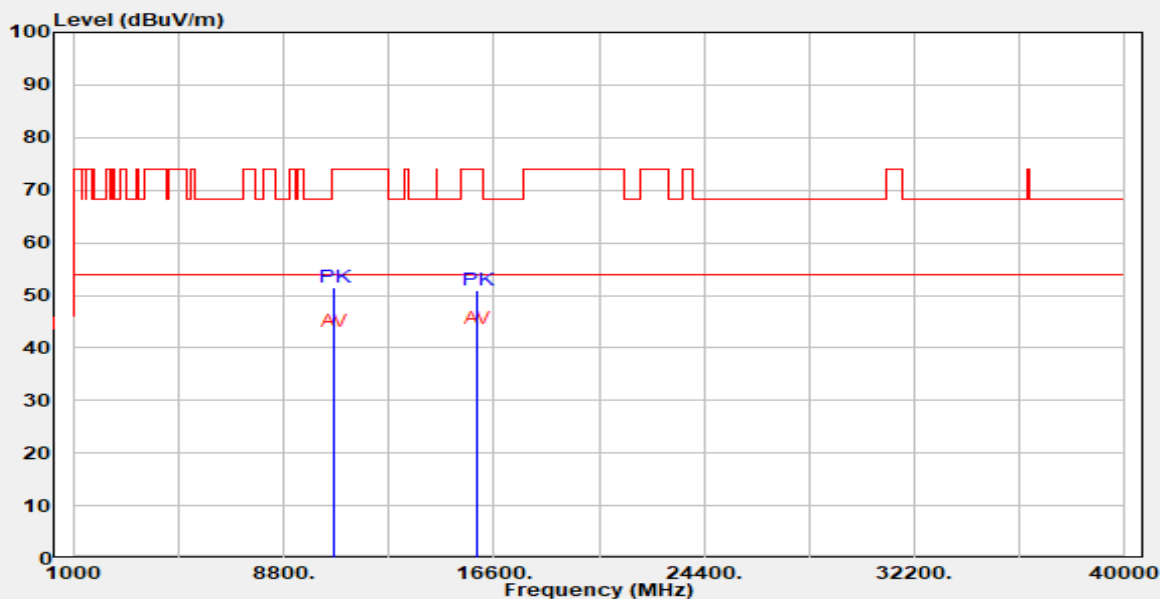
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	41.25	11.00	52.25	68.20	-15.95
15720.00	Average	36.11	8.85	44.96	54.00	-9.04
15720.00	Peak	43.65	8.85	52.50	74.00	-21.50

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5320 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



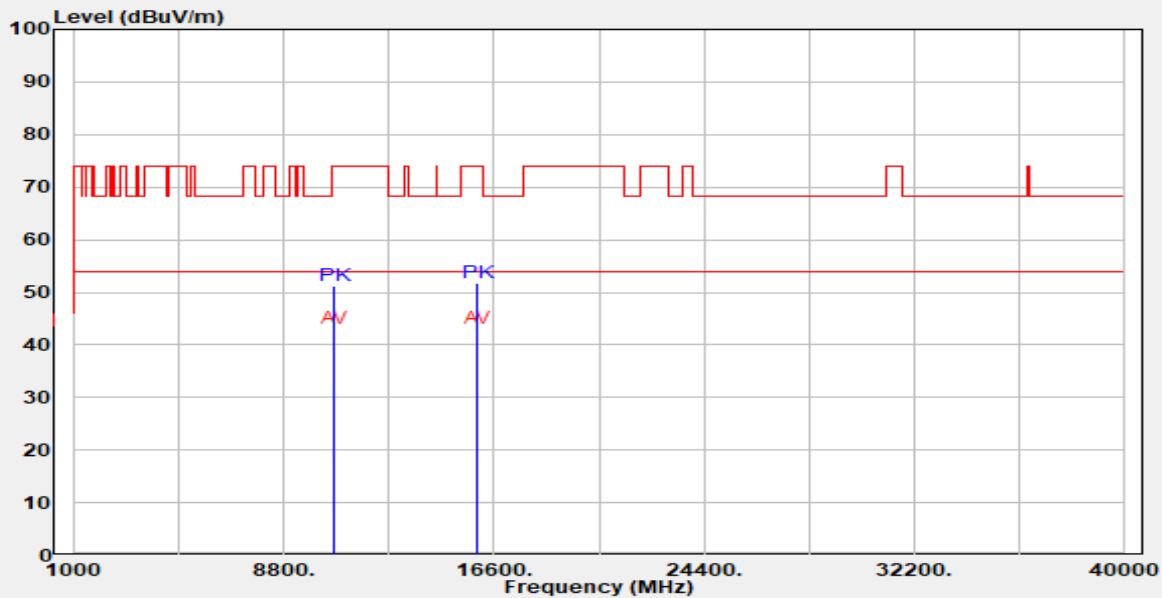
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.00	Average	32.28	10.70	42.98	54.00	-11.02
10640.00	Peak	40.91	10.70	51.61	74.00	-22.39
15960.00	Average	35.40	8.18	43.58	54.00	-10.42
15960.00	Peak	42.88	8.18	51.06	74.00	-22.94

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5320 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



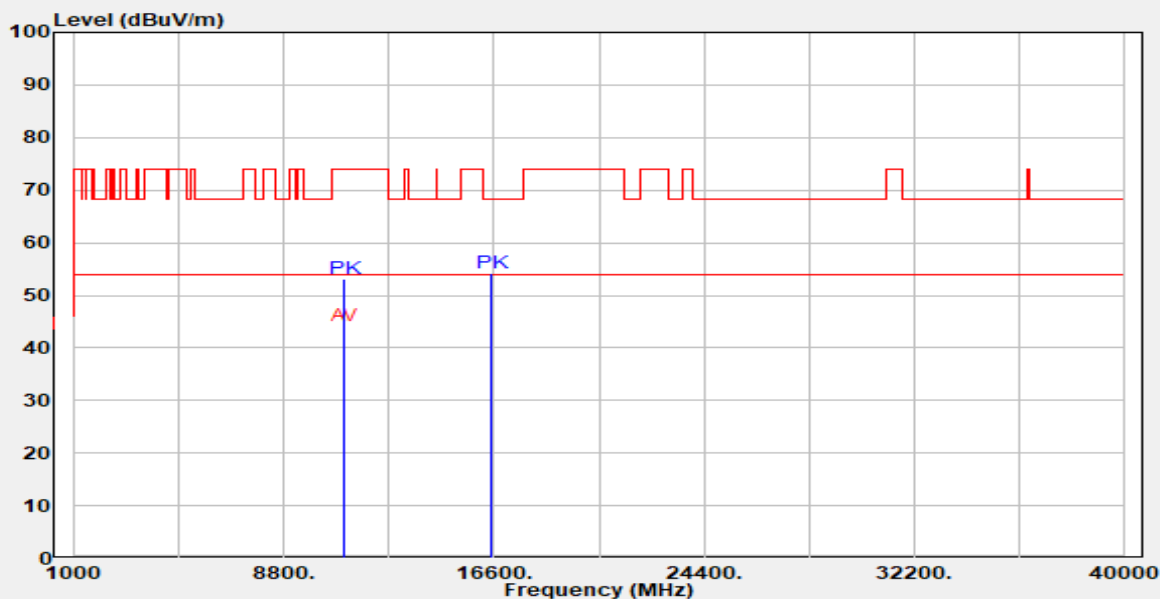
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.00	Average	32.27	10.70	42.97	54.00	-11.03
10640.00	Peak	40.40	10.70	51.10	74.00	-22.90
15960.00	Average	34.78	8.18	42.96	54.00	-11.04
15960.00	Peak	43.59	8.18	51.77	74.00	-22.23

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5500 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



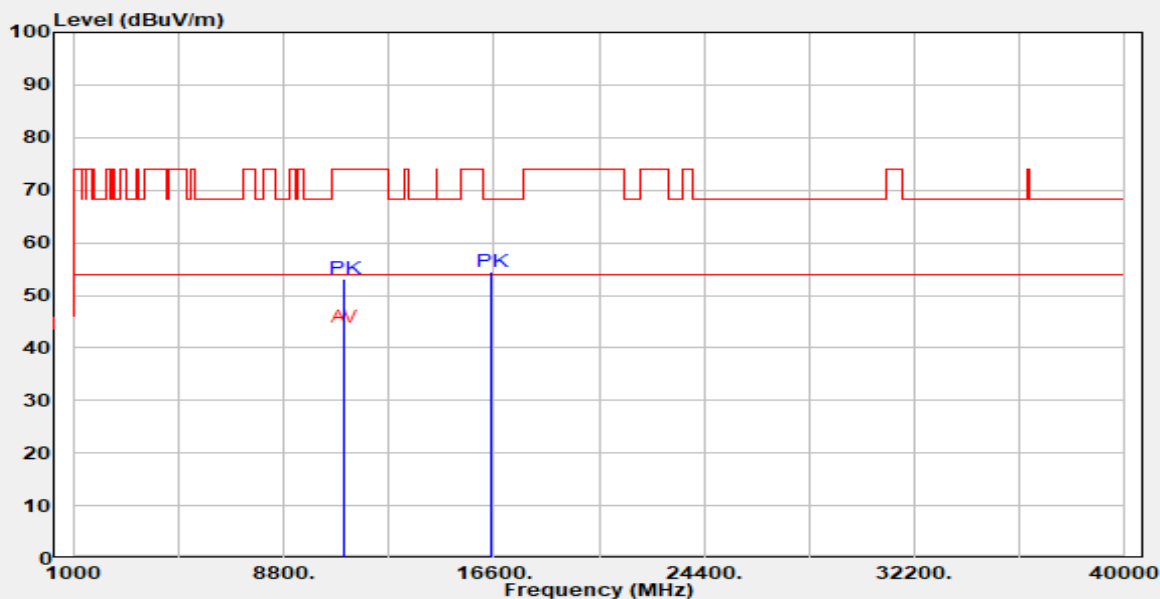
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.00	Average	32.53	11.51	44.04	54.00	-9.96
11000.00	Peak	41.71	11.51	53.22	74.00	-20.78
16500.00	Peak	43.69	10.54	54.23	68.20	-13.97

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5500 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



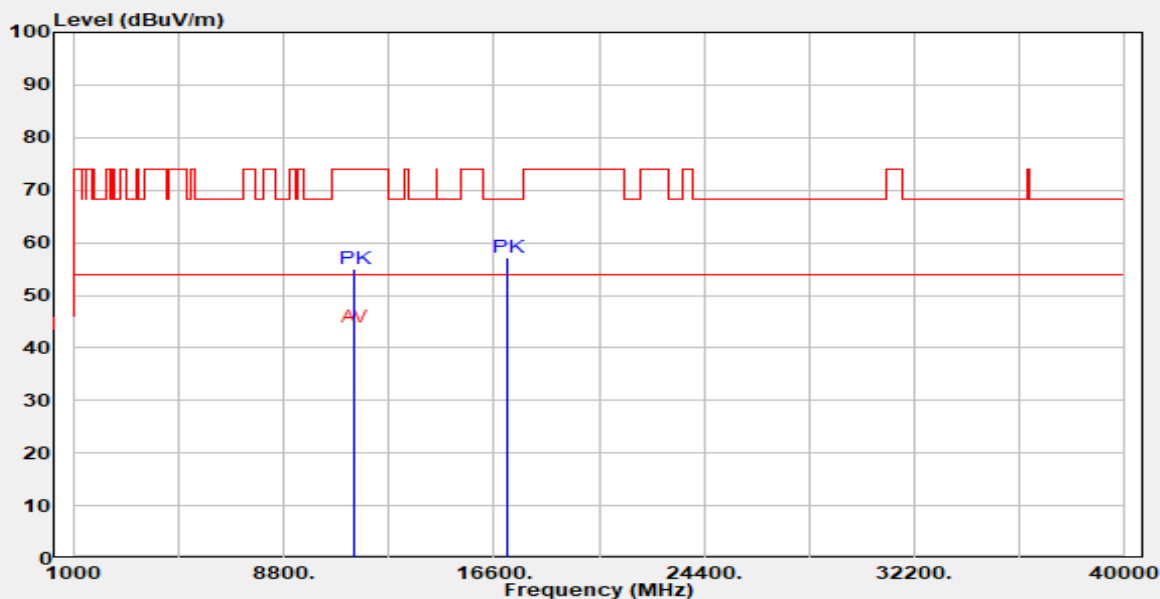
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.00	Average	32.36	11.51	43.87	54.00	-10.13
11000.00	Peak	41.60	11.51	53.11	74.00	-20.89
16500.00	Peak	43.98	10.54	54.52	68.20	-13.68

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5700 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



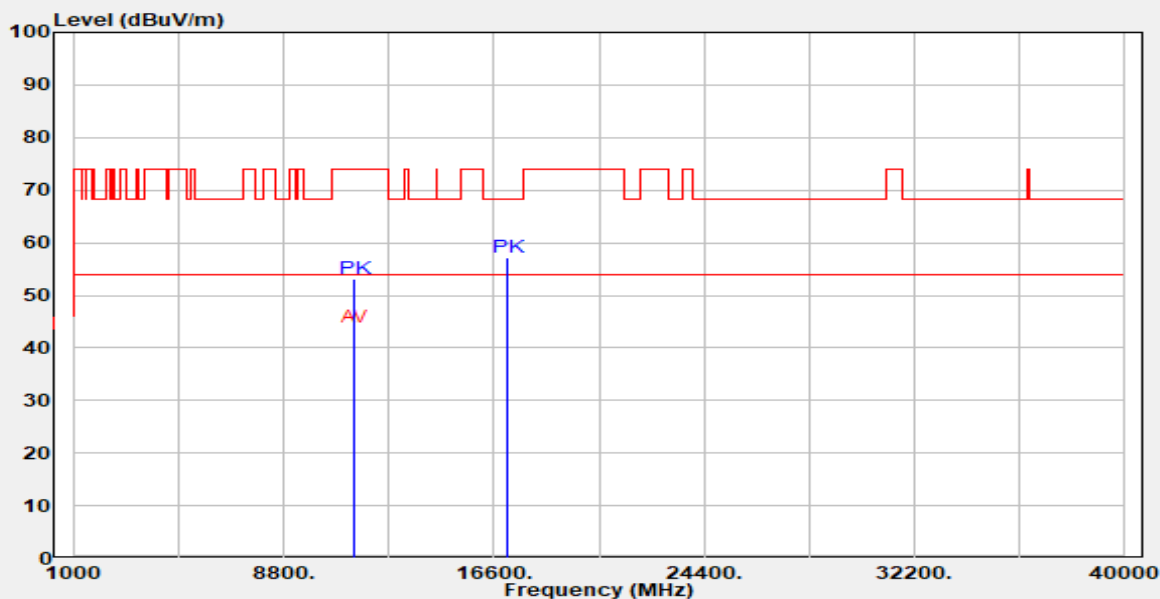
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	32.46	11.43	43.89	54.00	-10.11
11400.00	Peak	43.47	11.43	54.90	74.00	-19.10
17100.00	Peak	46.36	10.85	57.20	68.20	-11.00

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5700 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



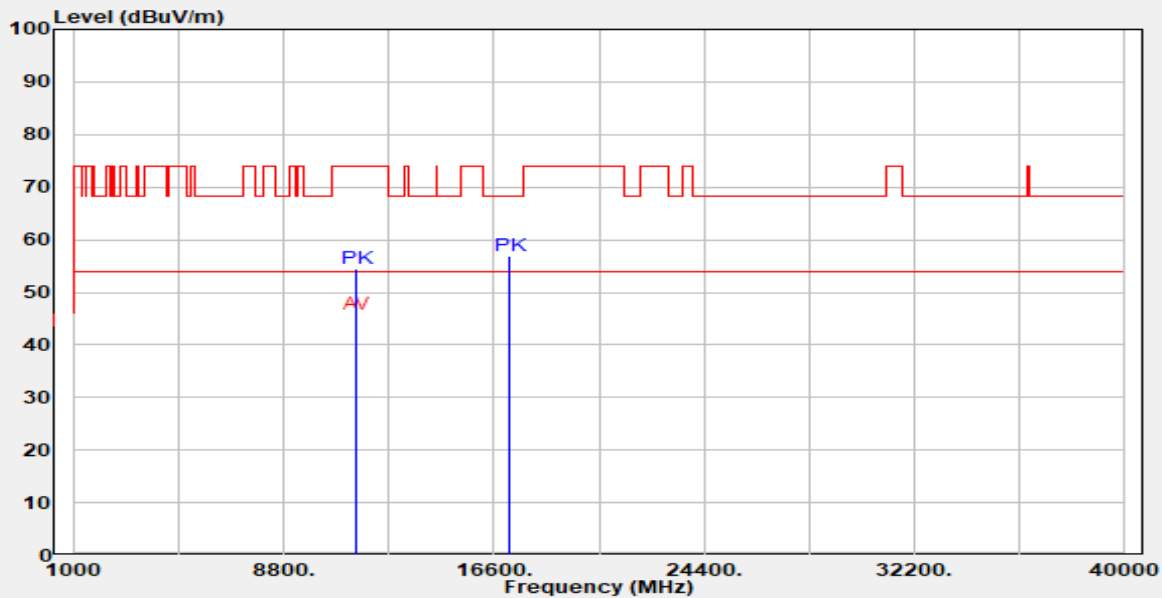
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	32.54	11.43	43.97	54.00	-10.03
11400.00	Peak	41.82	11.43	53.25	74.00	-20.75
17100.00	Peak	46.26	10.85	57.10	68.20	-11.10

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5720 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



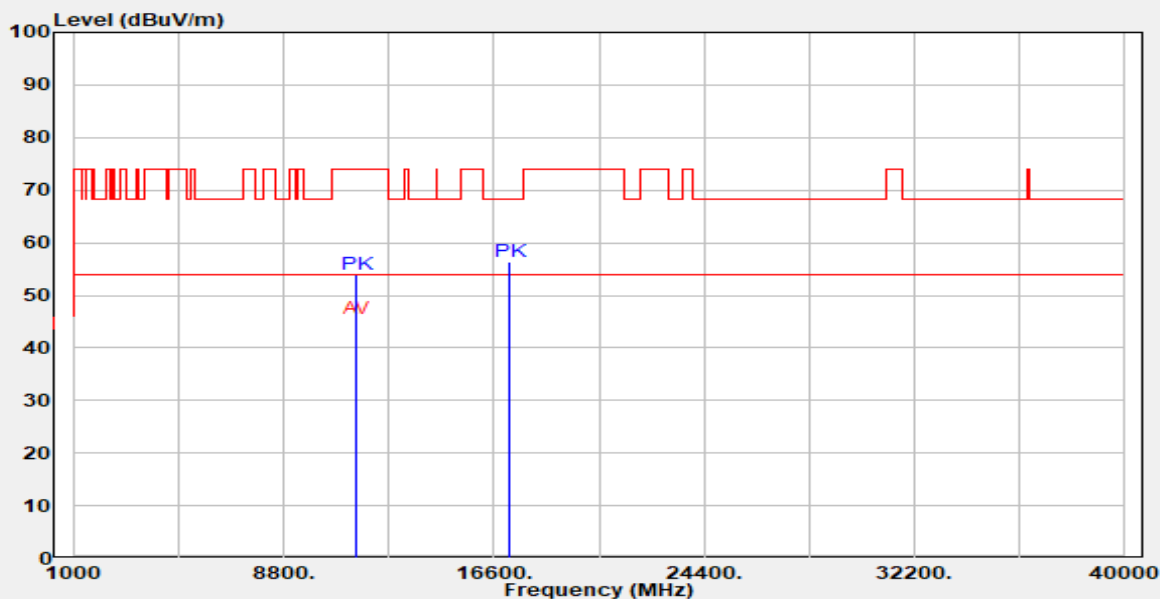
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11440.00	Average	34.23	11.47	45.70	54.00	-8.30
11440.00	Peak	43.13	11.47	54.59	74.00	-19.41
17160.00	Peak	45.75	11.21	56.96	68.20	-11.24

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5720 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



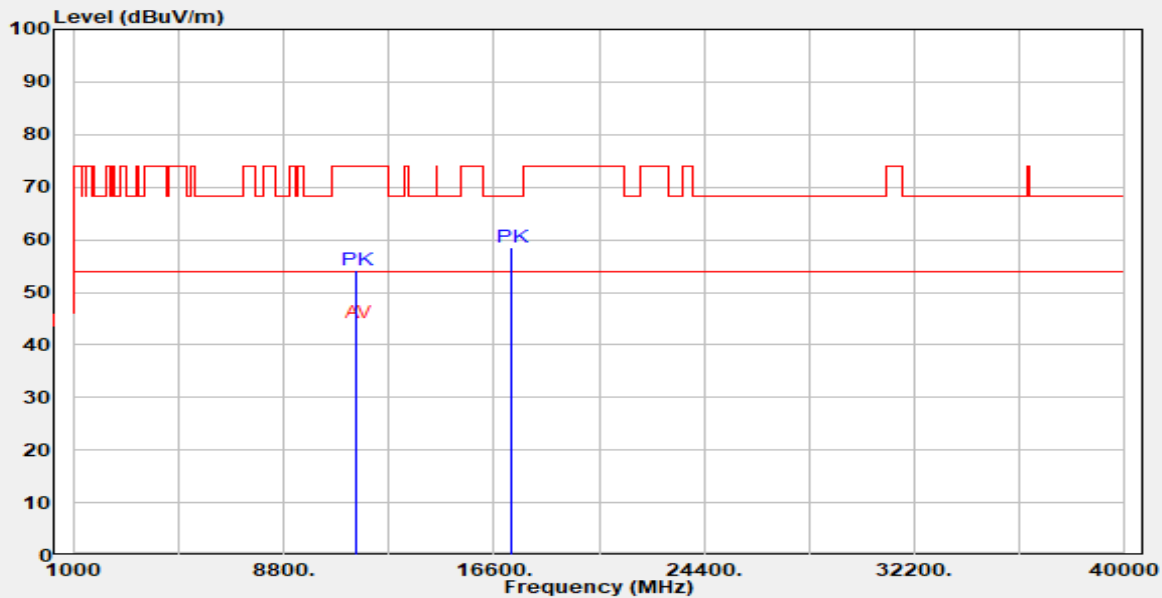
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11440.00	Average	34.06	11.47	45.53	54.00	-8.47
11440.00	Peak	42.52	11.47	53.99	74.00	-20.01
17160.00	Peak	45.25	11.21	56.46	68.20	-11.74

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5745 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



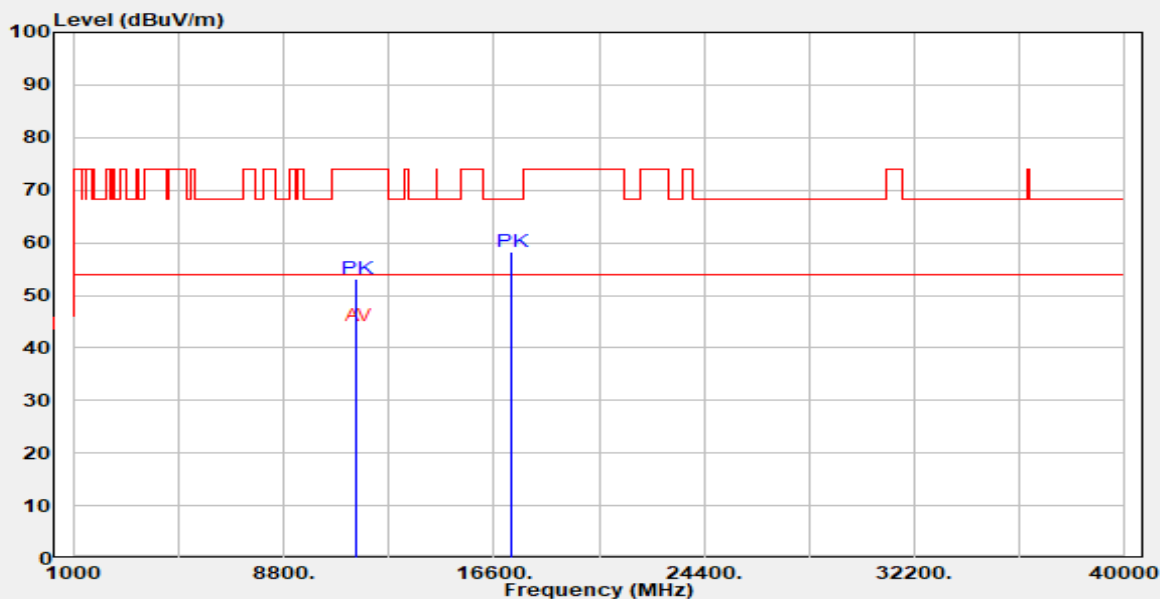
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	32.59	11.62	44.21	54.00	-9.79
11490.00	Peak	42.60	11.62	54.23	74.00	-19.77
17235.00	Peak	46.96	11.52	58.48	68.20	-9.72

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5745 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



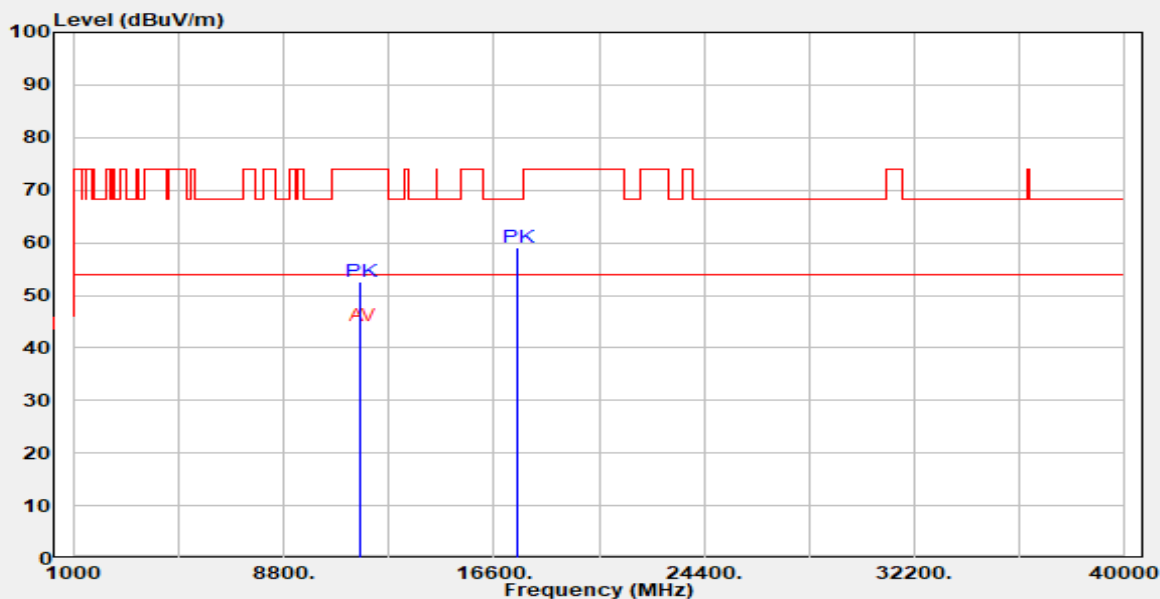
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	32.60	11.62	44.22	54.00	-9.78
11490.00	Peak	41.61	11.62	53.23	74.00	-20.77
17235.00	Peak	46.64	11.52	58.16	68.20	-10.04

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5825 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



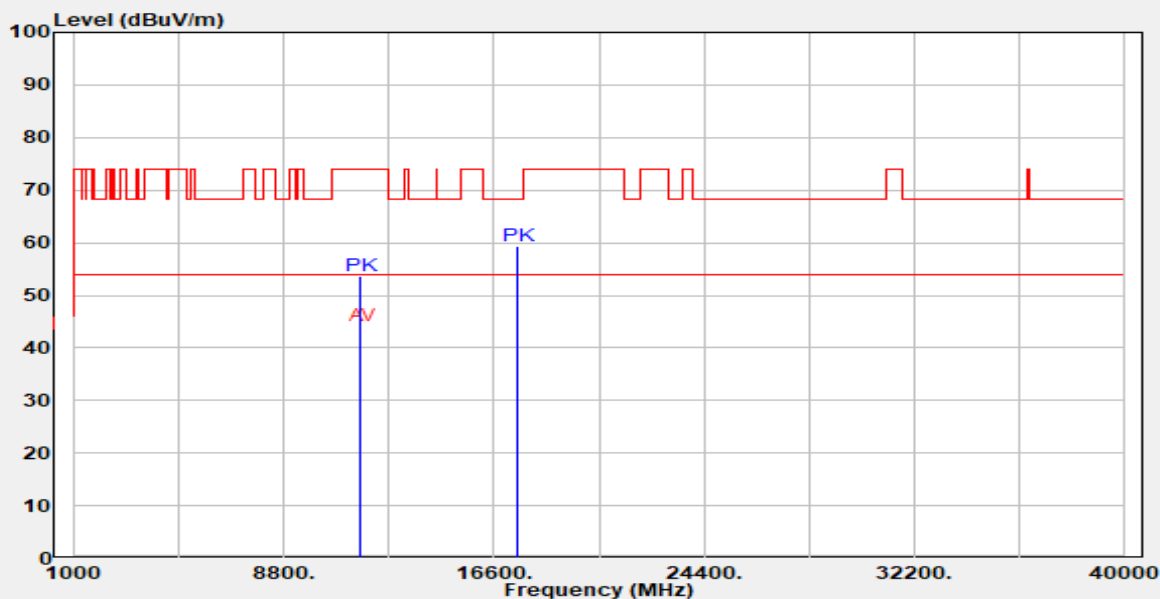
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.00	Average	33.16	10.91	44.07	54.00	-9.93
11650.00	Peak	41.58	10.91	52.49	74.00	-21.51
17475.00	Peak	46.24	12.77	59.01	68.20	-9.19

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5825 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



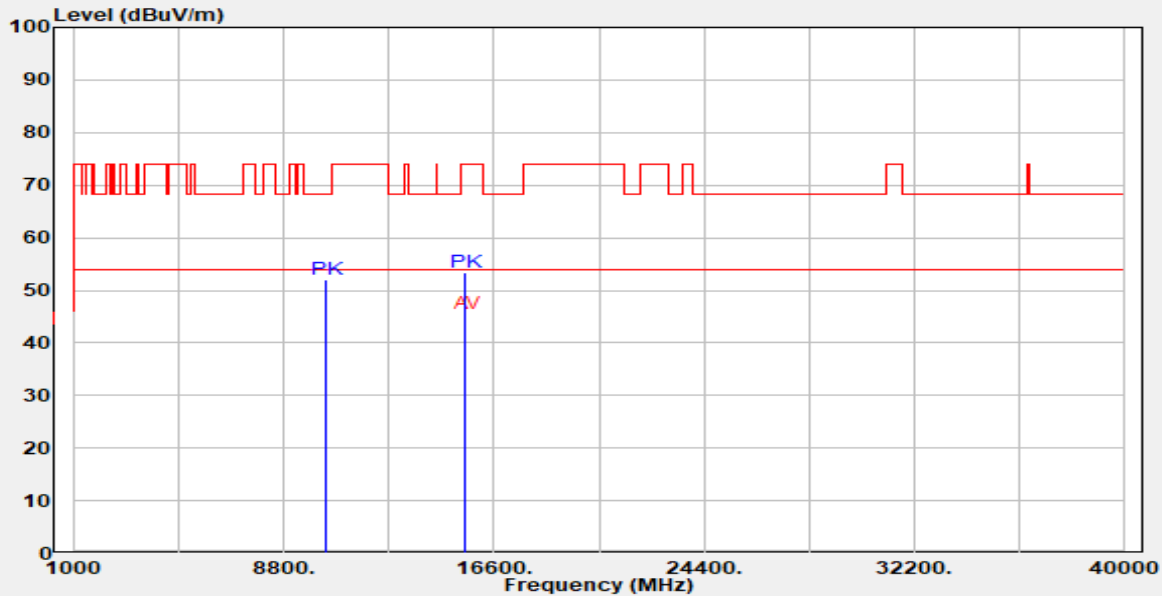
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.00	Average	33.17	10.91	44.08	54.00	-9.92
11650.00	Peak	42.69	10.91	53.60	74.00	-20.40
17475.00	Peak	46.53	12.77	59.30	68.20	-8.90

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5180 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



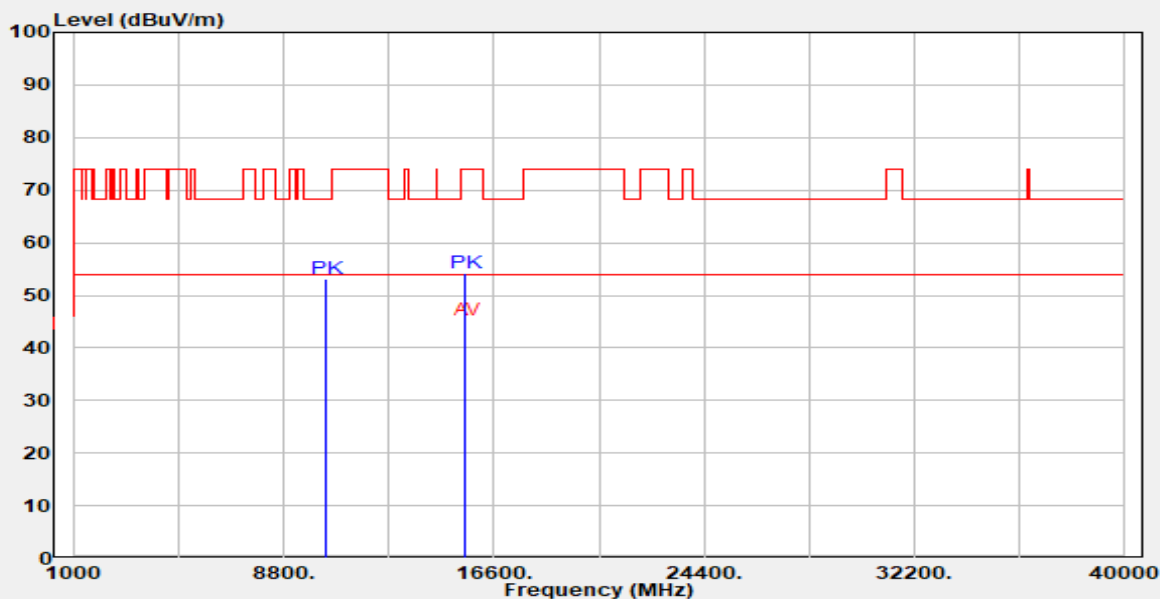
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	41.37	10.63	52.00	68.20	-16.20
15540.00	Average	36.17	9.30	45.47	54.00	-8.53
15540.00	Peak	44.04	9.30	53.34	74.00	-20.66

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5180 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



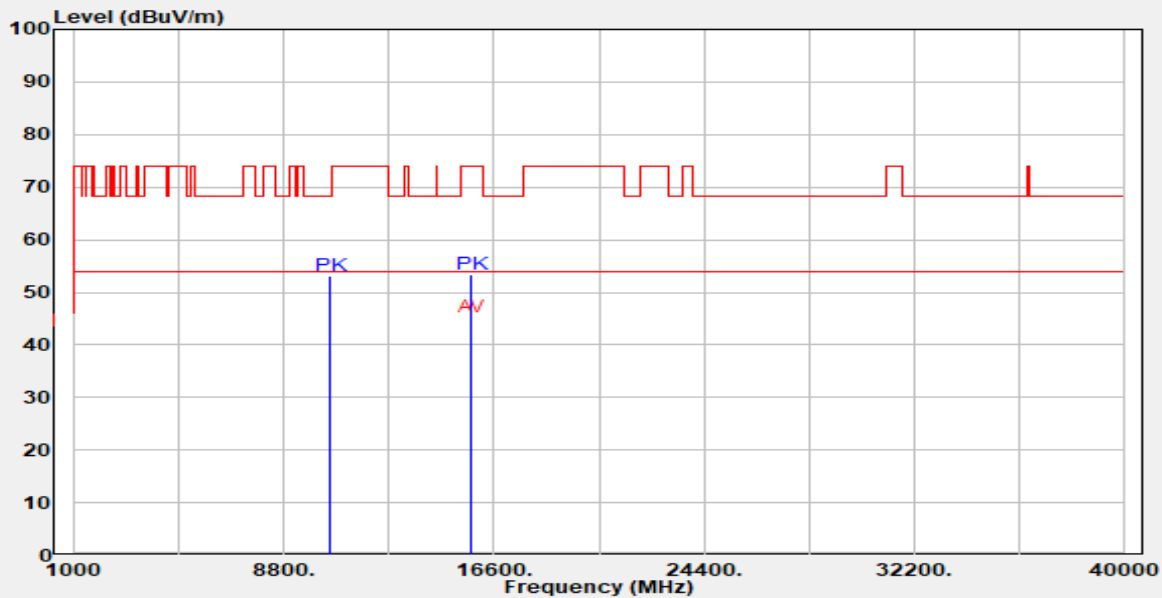
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.00	Peak	42.58	10.63	53.21	68.20	-14.99
15540.00	Average	36.01	9.30	45.31	54.00	-8.69
15540.00	Peak	44.92	9.30	54.22	74.00	-19.78

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5240 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



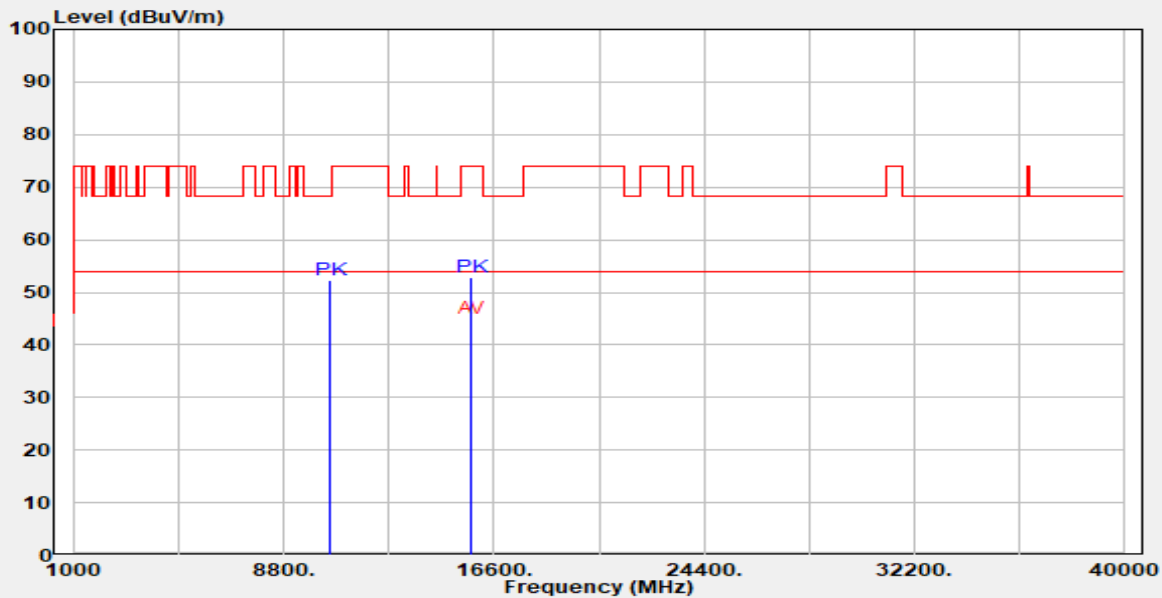
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	42.19	11.00	53.19	68.20	-15.01
15720.00	Average	36.40	8.85	45.25	54.00	-8.75
15720.00	Peak	44.61	8.85	53.46	74.00	-20.54

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5240 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



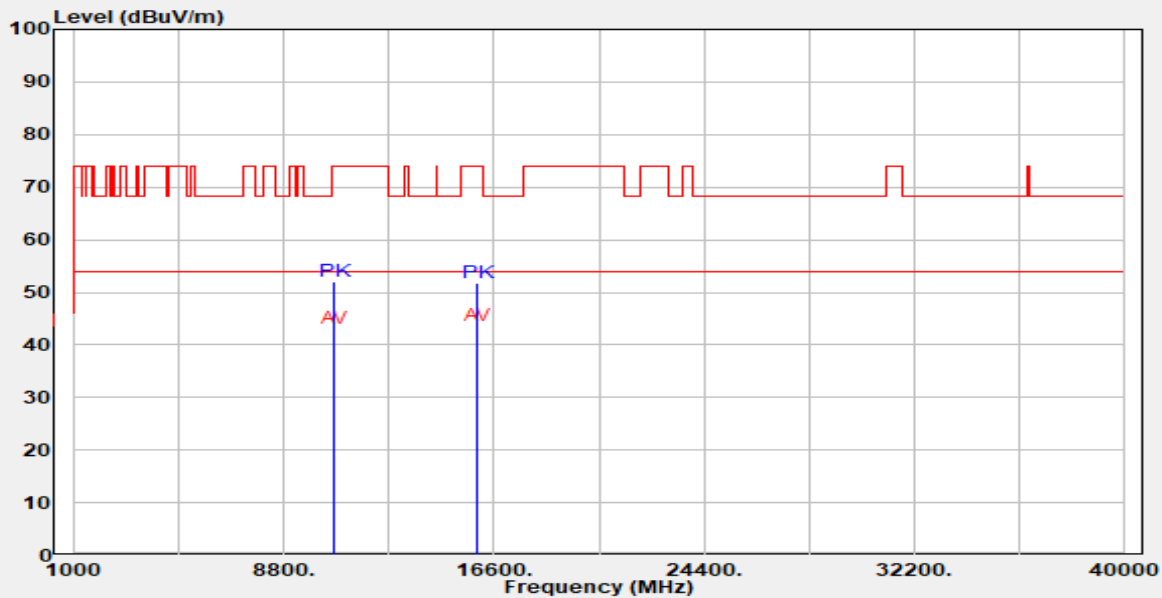
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.00	Peak	41.40	11.00	52.40	68.20	-15.80
15720.00	Average	36.25	8.85	45.10	54.00	-8.90
15720.00	Peak	44.06	8.85	52.91	74.00	-21.09

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5320 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



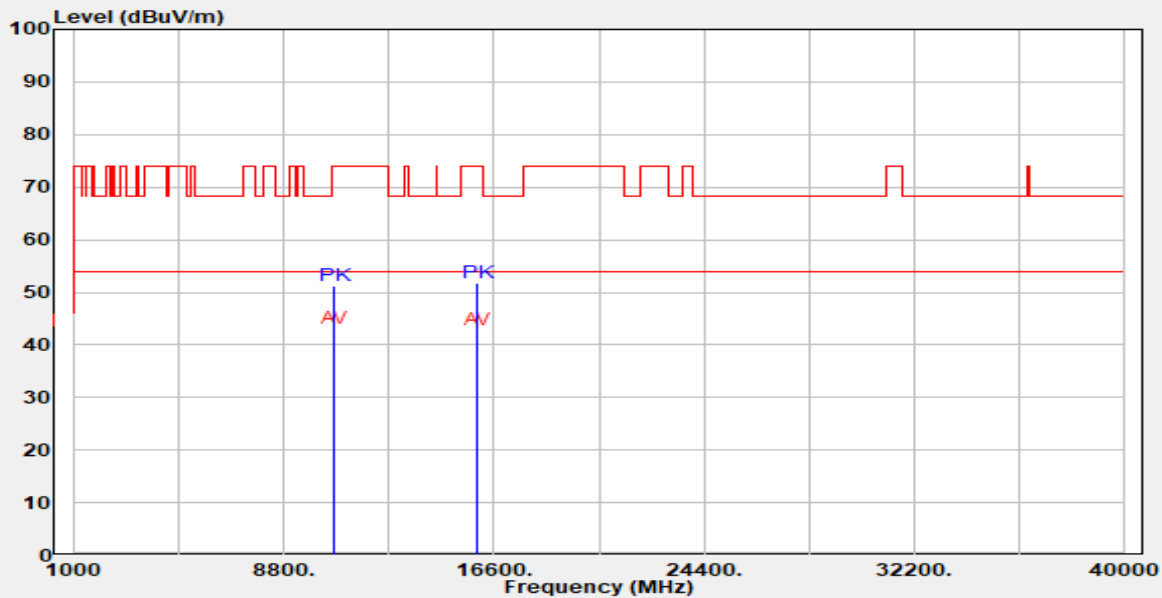
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.00	Average	32.50	10.70	43.20	54.00	-10.80
10640.00	Peak	41.46	10.70	52.16	74.00	-21.84
15960.00	Average	35.55	8.18	43.73	54.00	-10.27
15960.00	Peak	43.48	8.18	51.65	74.00	-22.35

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5320 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



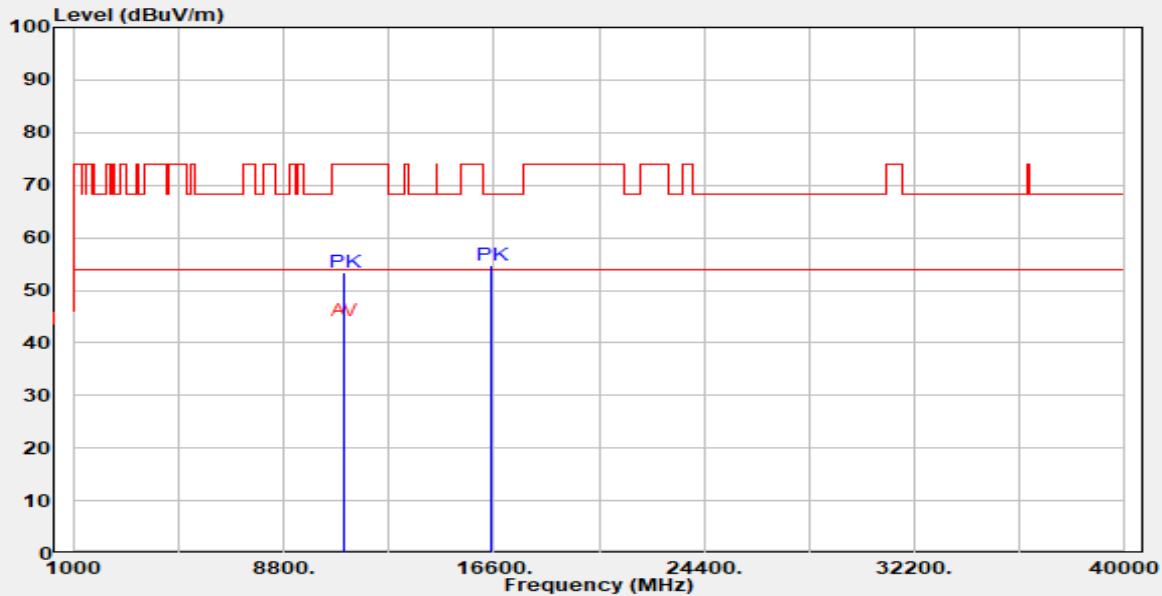
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.00	Average	32.47	10.70	43.17	54.00	-10.83
10640.00	Peak	40.62	10.70	51.32	74.00	-22.68
15960.00	Average	34.71	8.18	42.89	54.00	-11.11
15960.00	Peak	43.63	8.18	51.81	74.00	-22.19

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5500 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



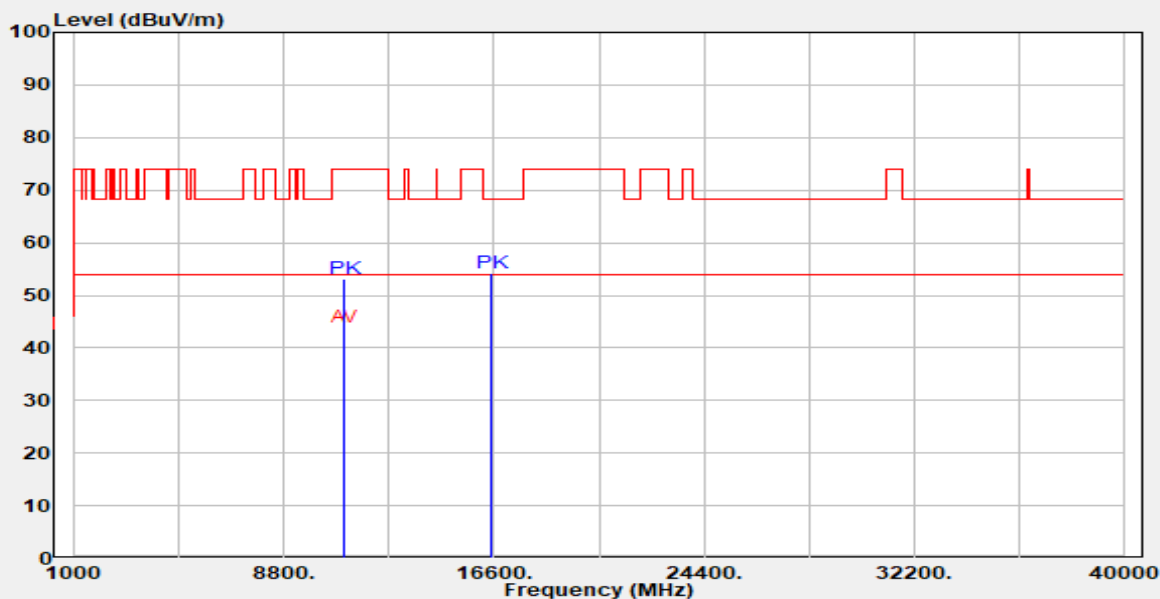
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.00	Average	32.61	11.51	44.12	54.00	-9.88
11000.00	Peak	41.96	11.51	53.47	74.00	-20.53
16500.00	Peak	44.18	10.54	54.72	68.20	-13.48

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5500 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



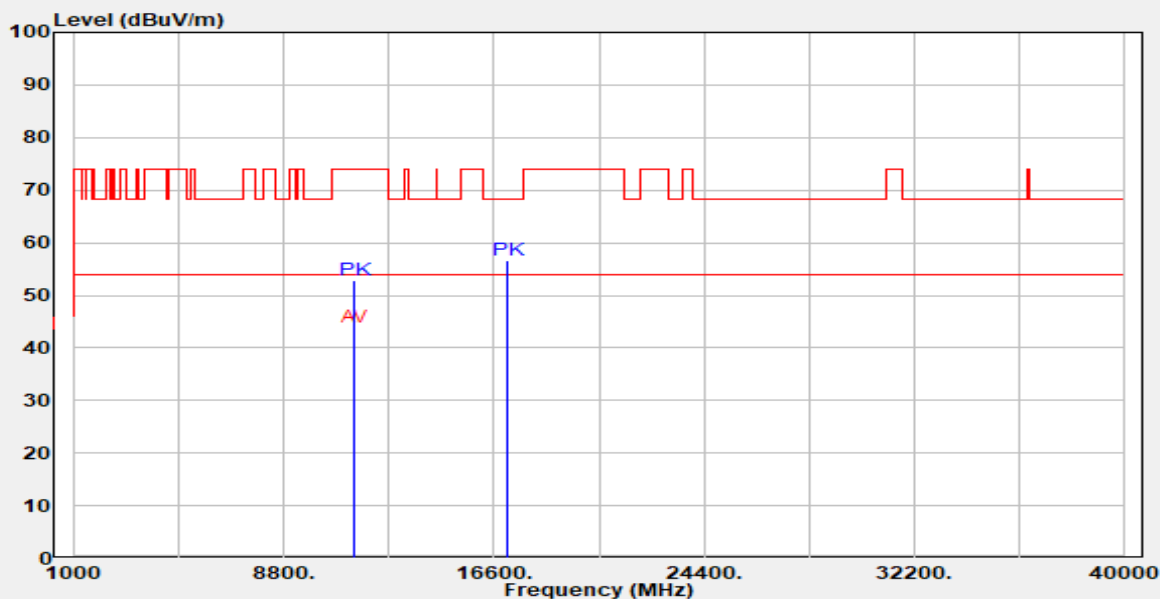
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.00	Average	32.52	11.51	44.03	54.00	-9.97
11000.00	Peak	41.73	11.51	53.24	74.00	-20.76
16500.00	Peak	43.65	10.54	54.19	68.20	-14.01

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5700 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



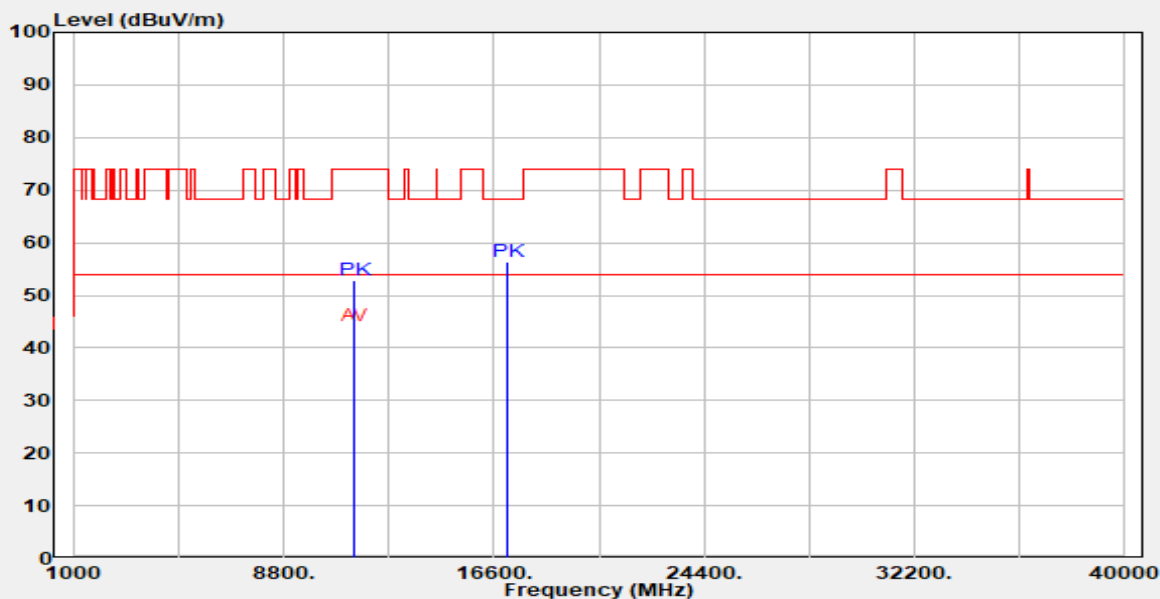
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	32.59	11.43	44.02	54.00	-9.98
11400.00	Peak	41.32	11.43	52.75	74.00	-21.25
17100.00	Peak	45.75	10.85	56.60	68.20	-11.60

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5700 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



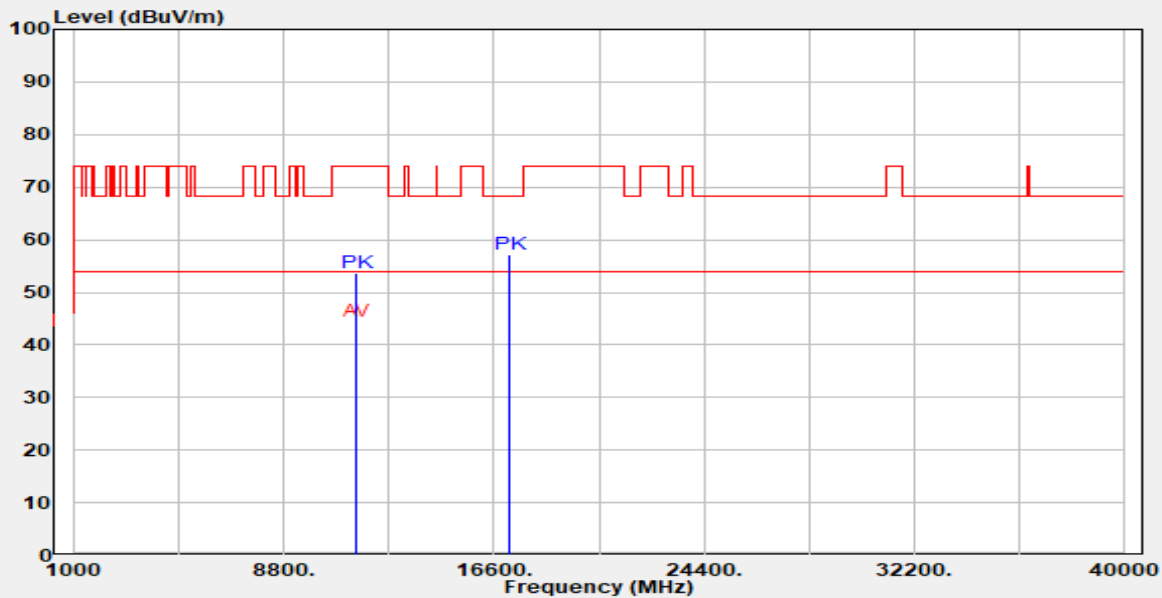
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.00	Average	32.61	11.43	44.04	54.00	-9.96
11400.00	Peak	41.42	11.43	52.85	74.00	-21.15
17100.00	Peak	45.55	10.85	56.40	68.20	-11.80

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5720 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



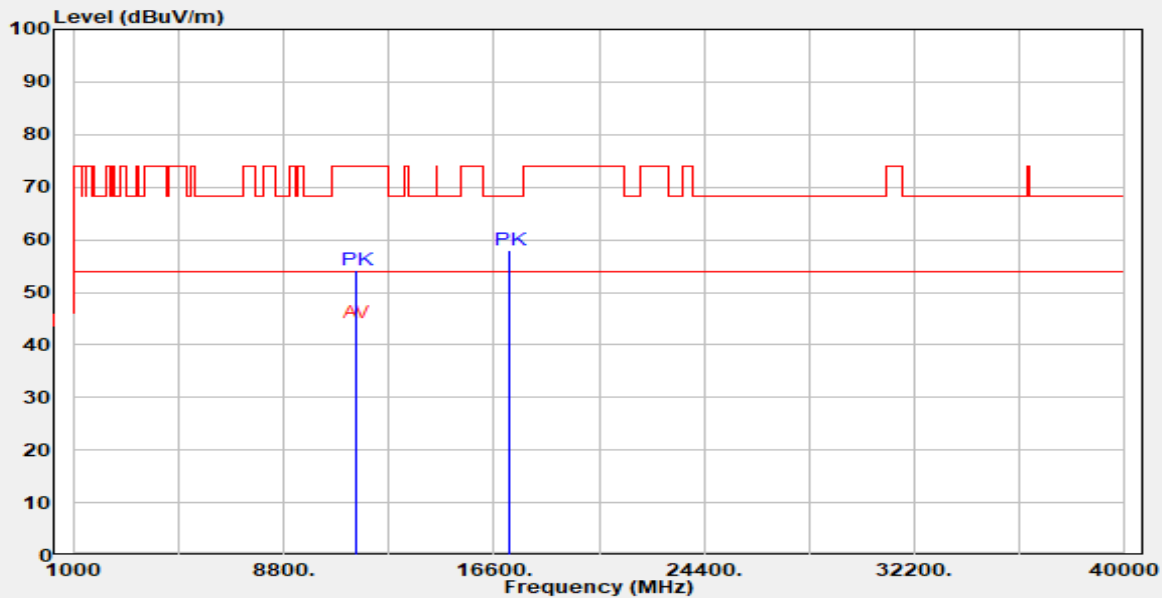
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11440.00	Average	32.89	11.47	44.36	54.00	-9.64
11440.00	Peak	42.10	11.47	53.57	74.00	-20.43
17160.00	Peak	46.07	11.21	57.29	68.20	-10.92

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5720 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



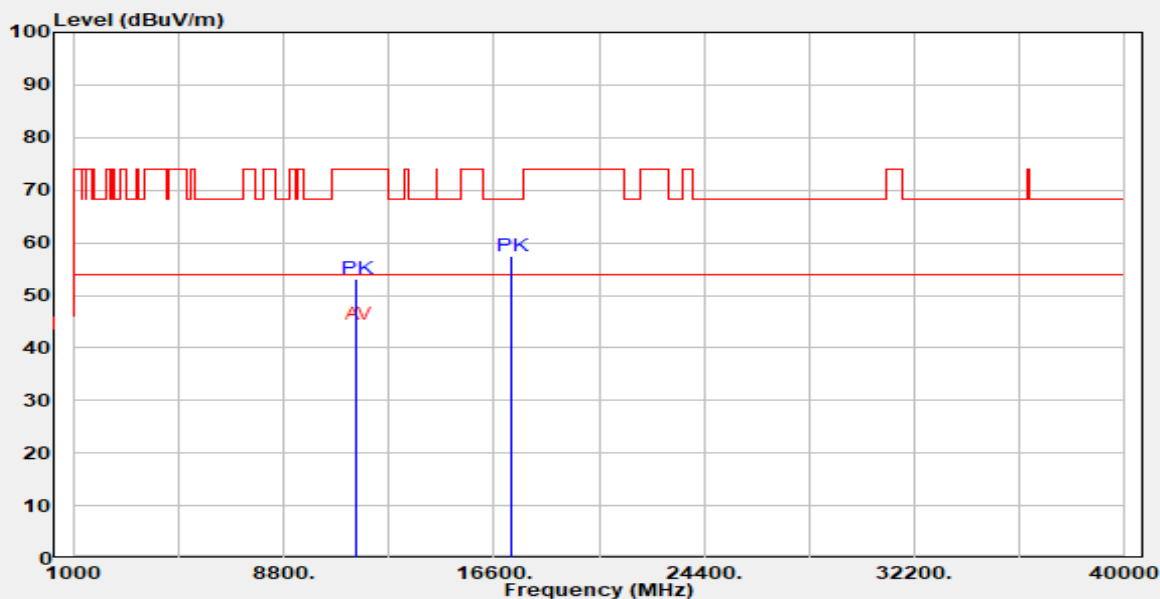
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11440.00	Average	32.82	11.47	44.29	54.00	-9.71
11440.00	Peak	42.63	11.47	54.10	74.00	-19.90
17160.00	Peak	46.73	11.21	57.94	68.20	-10.26

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5745 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



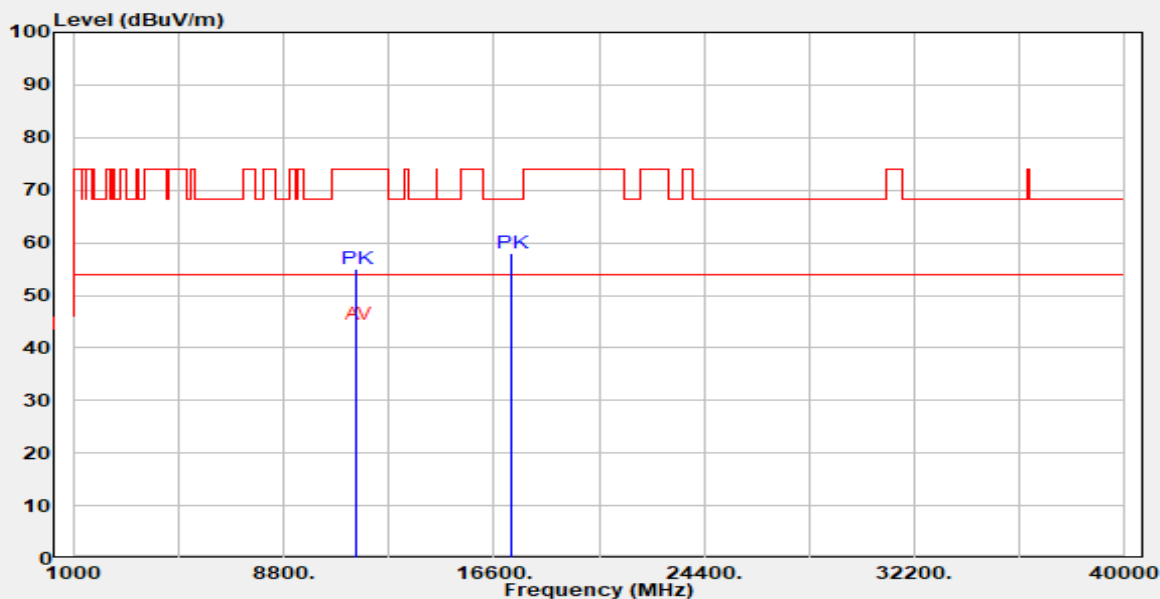
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	32.76	11.62	44.38	54.00	-9.62
11490.00	Peak	41.40	11.62	53.02	74.00	-20.98
17235.00	Peak	45.96	11.52	57.48	68.20	-10.72

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5745 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



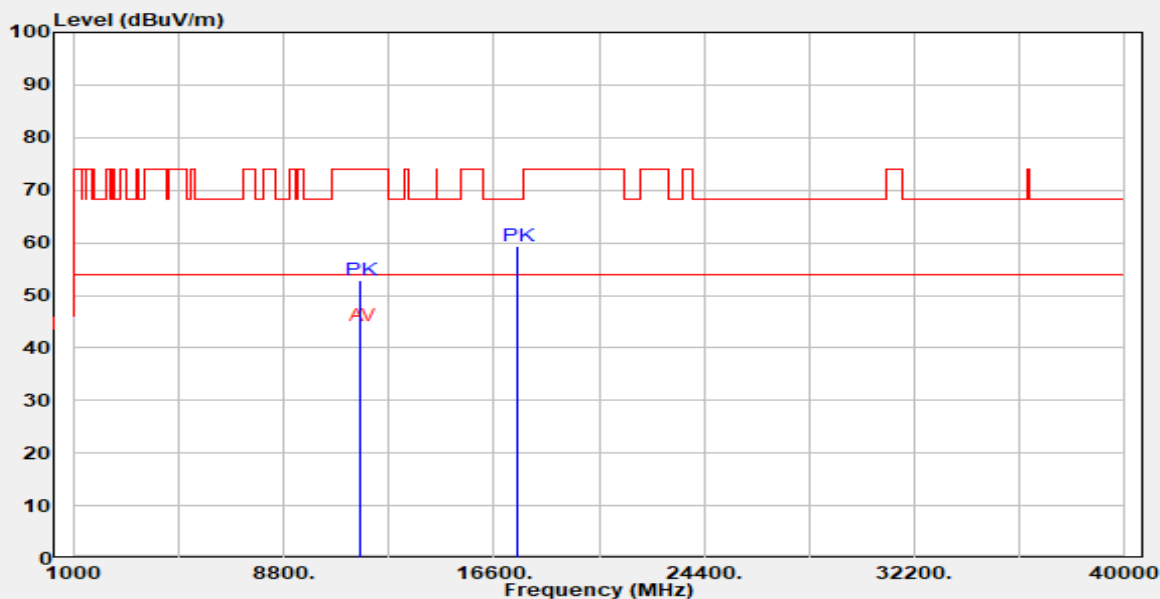
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Average	32.72	11.62	44.34	54.00	-9.66
11490.00	Peak	43.30	11.62	54.93	74.00	-19.07
17235.00	Peak	46.55	11.52	58.07	68.20	-10.13

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5825 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



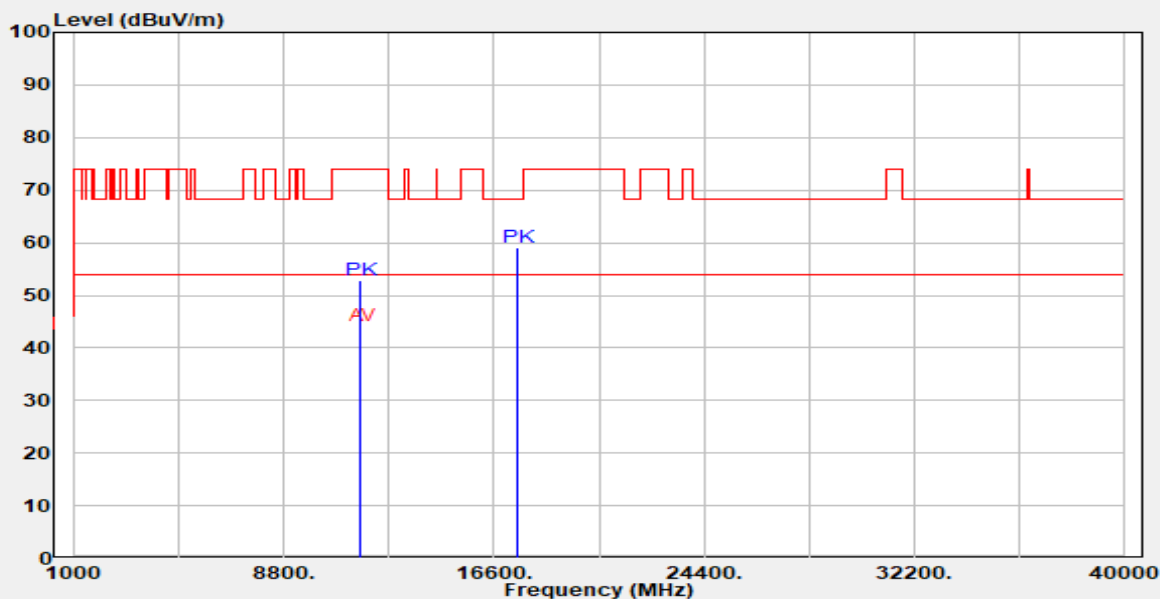
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11650.00	Average	33.32	10.91	44.23	54.00	-9.77
11650.00	Peak	41.95	10.91	52.86	74.00	-21.14
17475.00	Peak	46.51	12.77	59.28	68.20	-8.92

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5825 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



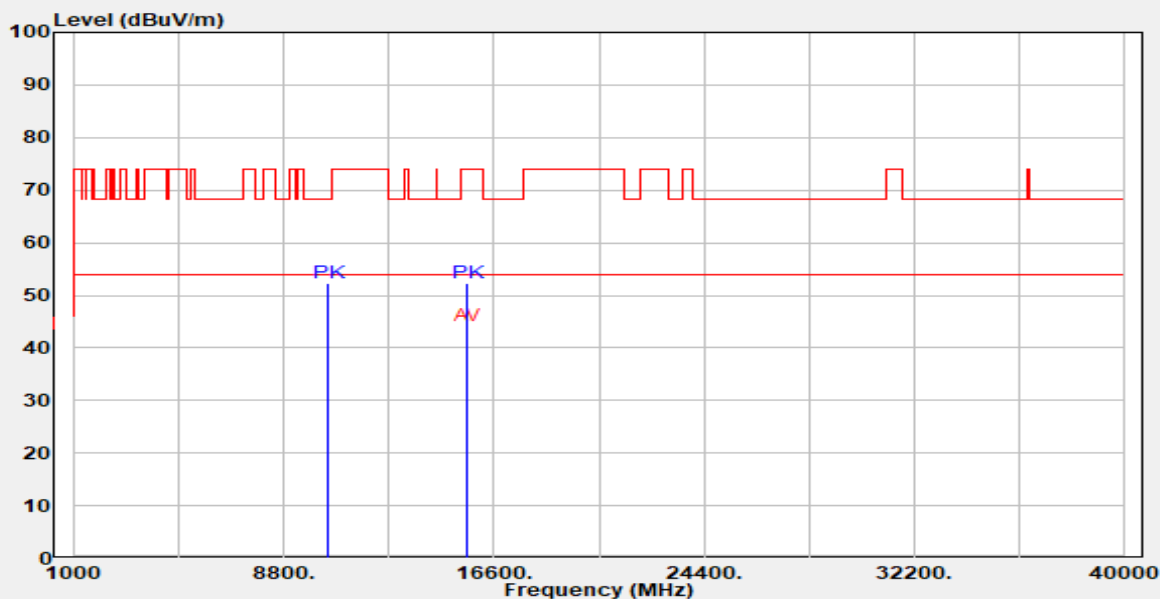
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.00	Average	33.37	10.91	44.28	54.00	-9.72
11650.00	Peak	41.87	10.91	52.78	74.00	-21.22
17475.00	Peak	46.34	12.77	59.11	68.20	-9.09

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5190 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



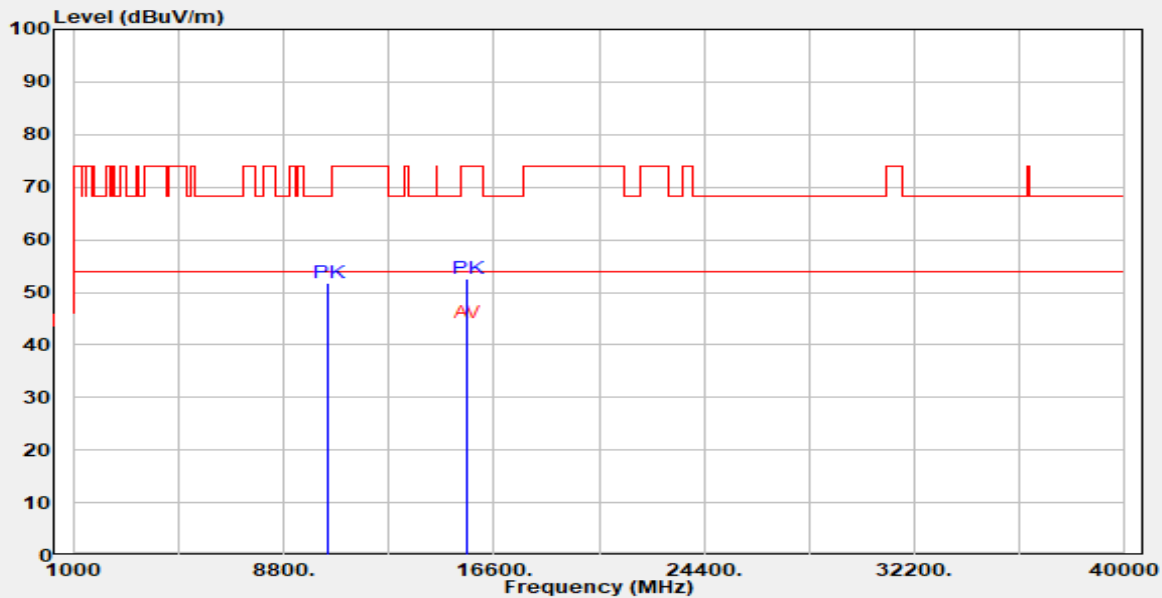
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10380.00	Peak	41.53	10.70	52.23	68.20	-15.97
15570.00	Average	34.95	9.21	44.16	54.00	-9.84
15570.00	Peak	43.06	9.21	52.27	74.00	-21.73

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5190 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



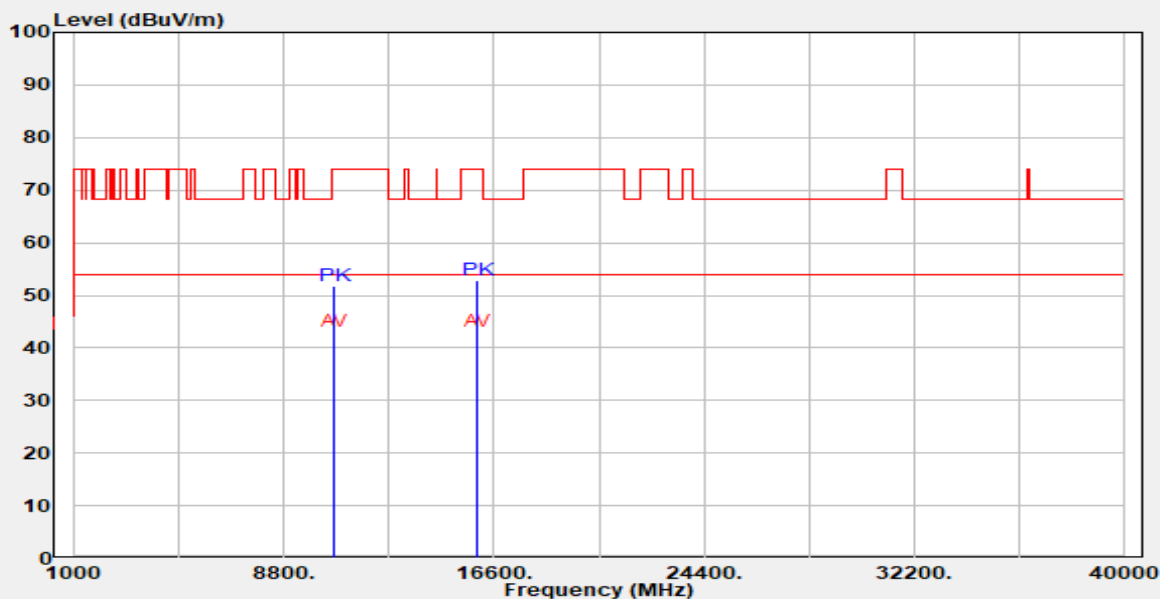
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10380.00	Peak	41.13	10.70	51.83	68.20	-16.37
15570.00	Average	34.89	9.21	44.10	54.00	-9.90
15570.00	Peak	43.25	9.21	52.46	74.00	-21.54

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5310 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



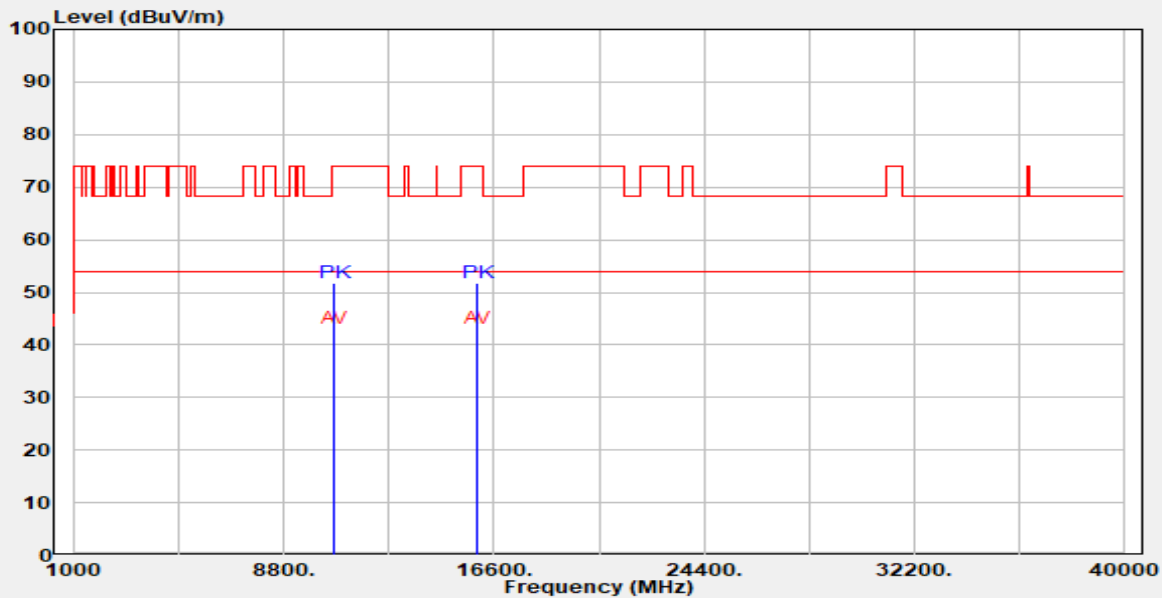
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10620.00	Average	32.38	10.81	43.19	54.00	-10.81
10620.00	Peak	41.07	10.81	51.88	74.00	-22.12
15930.00	Average	34.77	8.32	43.09	54.00	-10.91
15930.00	Peak	44.65	8.32	52.97	74.00	-21.03

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5310 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



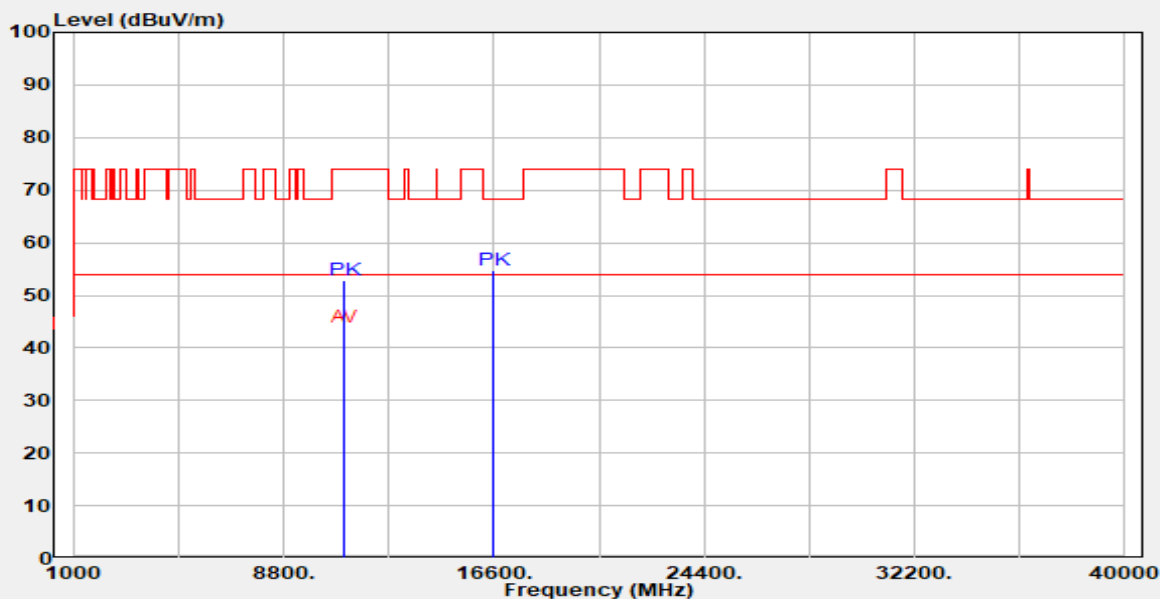
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10620.00	Average	32.36	10.81	43.17	54.00	-10.83
10620.00	Peak	41.05	10.81	51.86	74.00	-22.14
15930.00	Average	34.75	8.32	43.07	54.00	-10.93
15930.00	Peak	43.40	8.32	51.72	74.00	-22.28

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5510 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



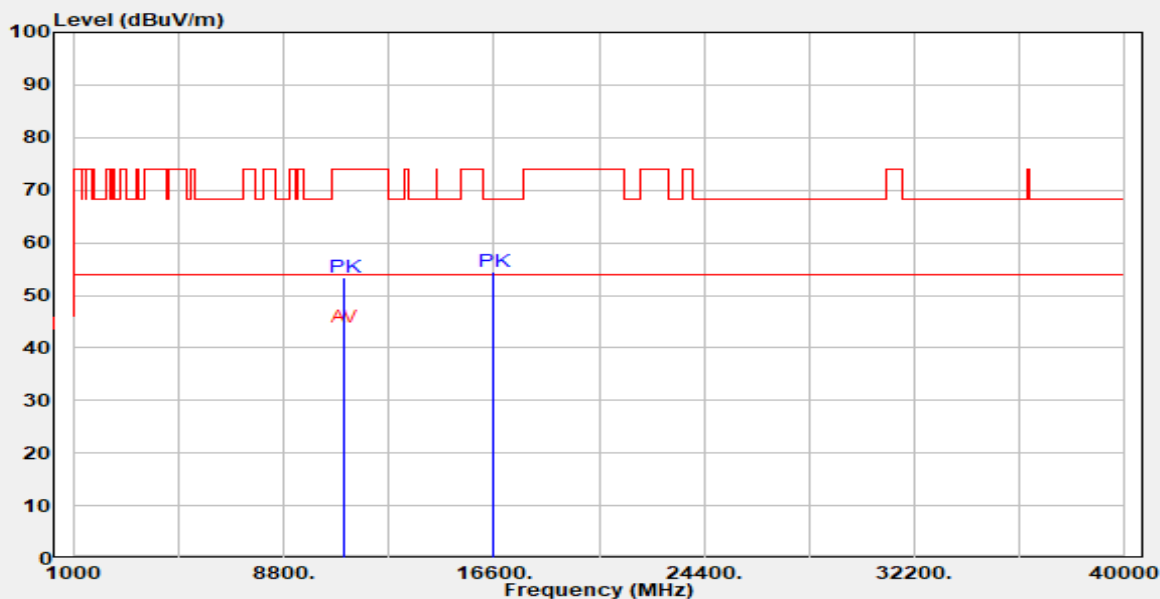
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11020.00	Average	32.42	11.53	43.95	54.00	-10.05
11020.00	Peak	41.28	11.53	52.81	74.00	-21.19
16530.00	Peak	44.30	10.54	54.84	68.20	-13.36

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5510 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



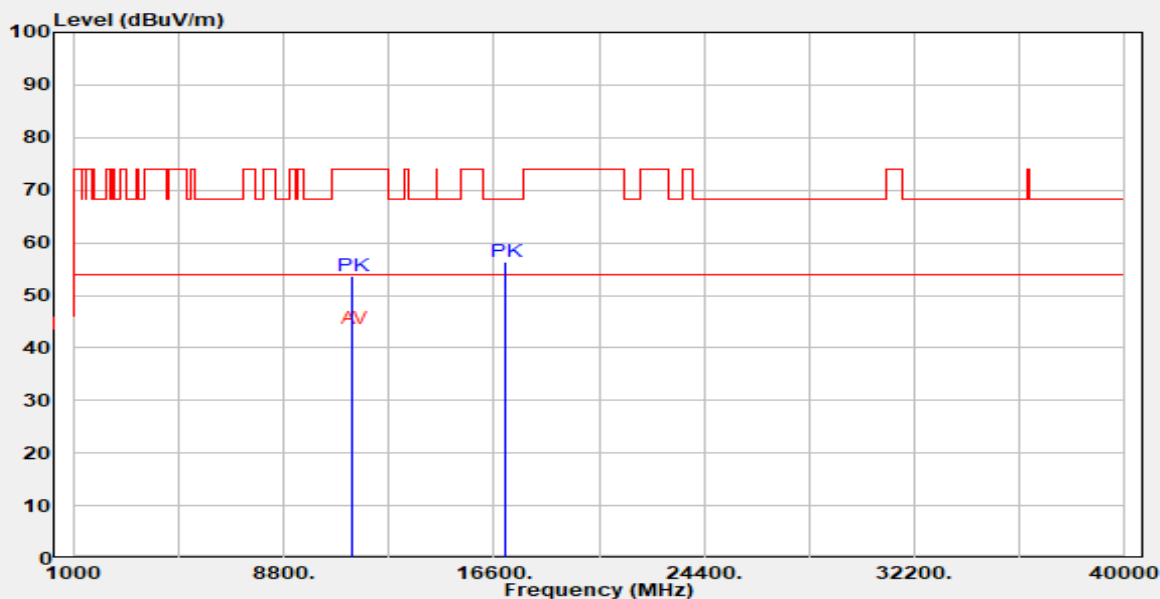
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11020.00	Average	32.43	11.53	43.96	54.00	-10.04
11020.00	Peak	41.94	11.53	53.47	74.00	-20.53
16530.00	Peak	43.97	10.54	54.51	68.20	-13.69

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5670 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



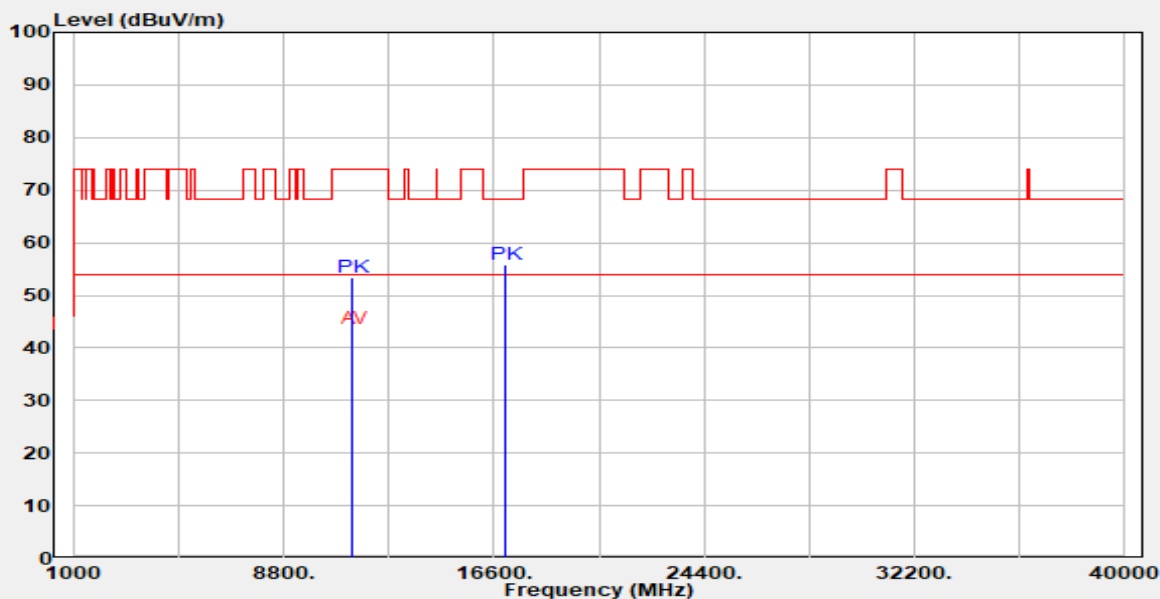
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11340.00	Average	32.46	11.12	43.58	54.00	-10.42
11340.00	Peak	42.60	11.12	53.71	74.00	-20.29
17010.00	Peak	45.22	11.18	56.40	68.20	-11.80

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5670 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



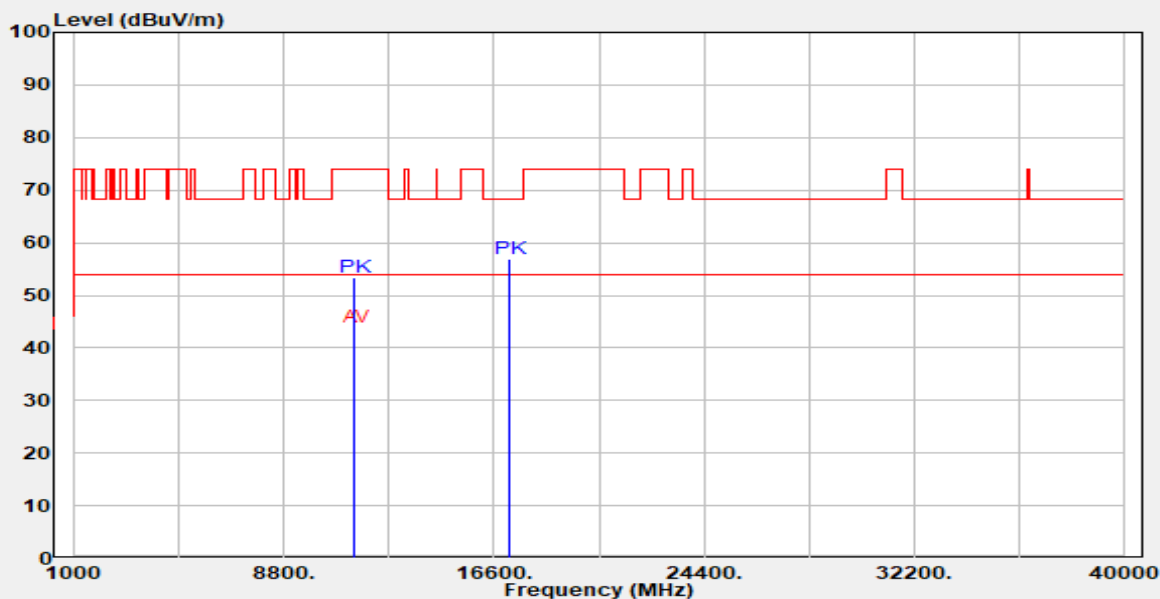
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11340.00	Average	32.50	11.12	43.62	54.00	-10.38
11340.00	Peak	42.20	11.12	53.31	74.00	-20.69
17010.00	Peak	44.61	11.18	55.79	68.20	-12.41

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5710 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



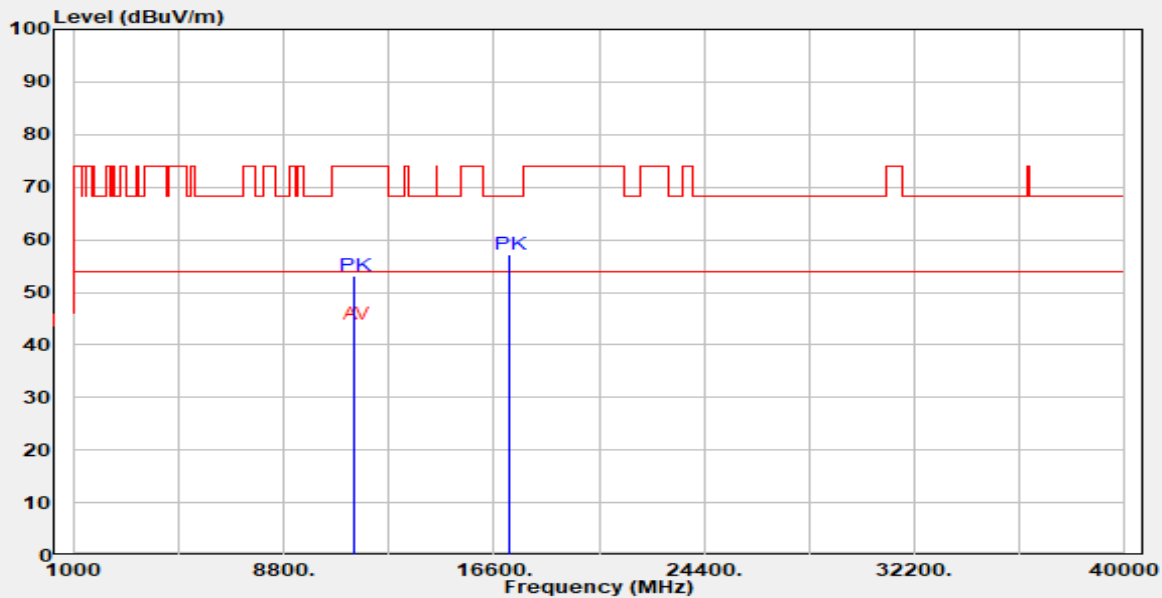
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11420.00	Average	32.44	11.45	43.89	54.00	-10.11
11420.00	Peak	42.07	11.45	53.52	74.00	-20.48
17130.00	Peak	45.78	11.04	56.82	68.20	-11.38

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5710 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



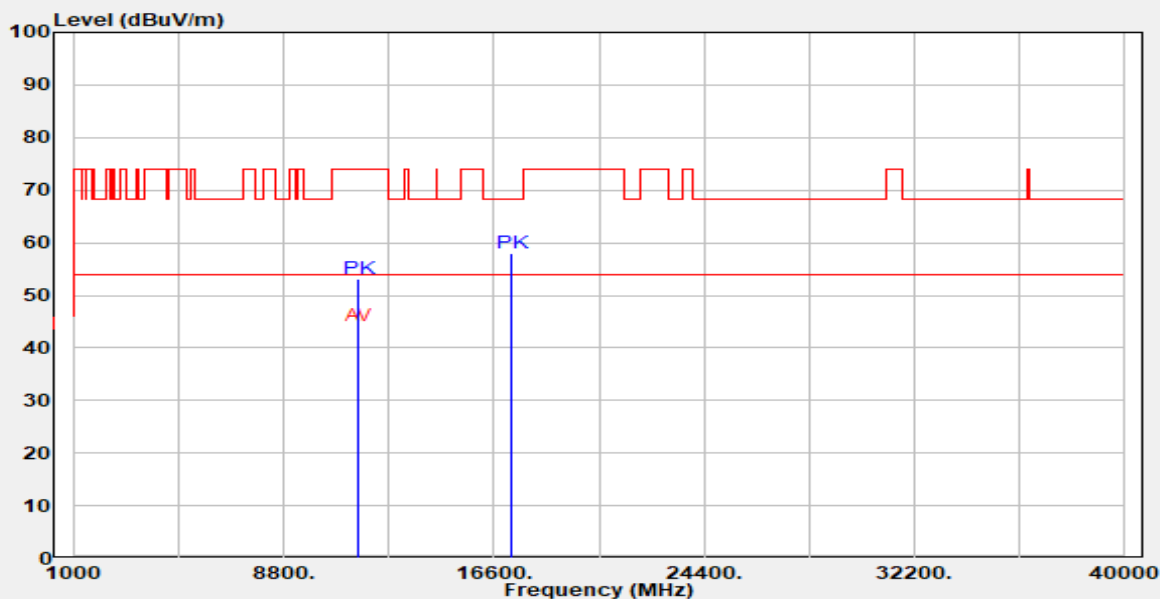
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11420.00	Average	32.39	11.45	43.84	54.00	-10.16
11420.00	Peak	41.57	11.45	53.02	74.00	-20.98
17130.00	Peak	46.06	11.04	57.11	68.20	-11.09

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5755 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



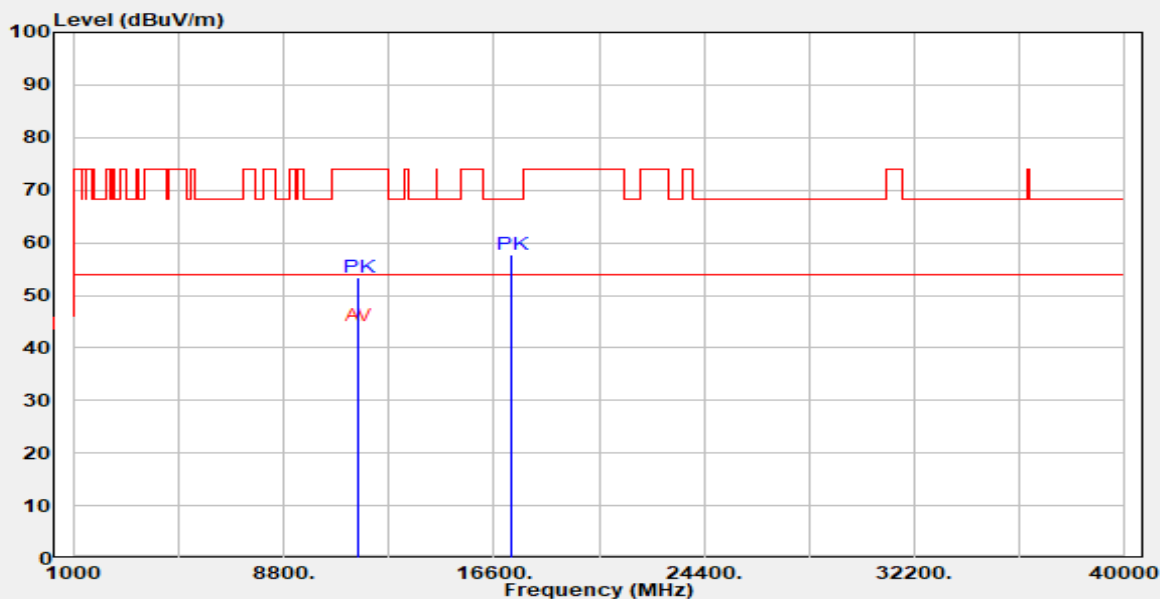
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11510.00	Average	32.56	11.61	44.17	54.00	-9.83
11510.00	Peak	41.49	11.61	53.10	74.00	-20.90
17265.00	Peak	46.35	11.54	57.89	68.20	-10.31

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5755 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



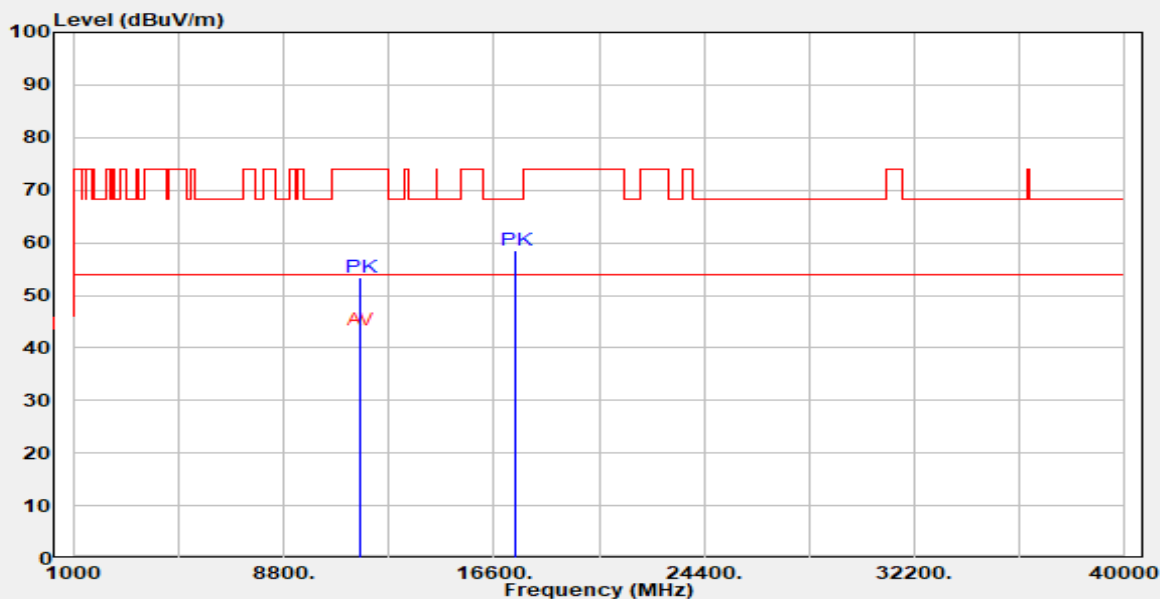
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
11510.00	Average	32.66	11.61	44.27	54.00	-9.73
11510.00	Peak	41.66	11.61	53.27	74.00	-20.73
17265.00	Peak	46.10	11.54	57.64	68.20	-10.56

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5795 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



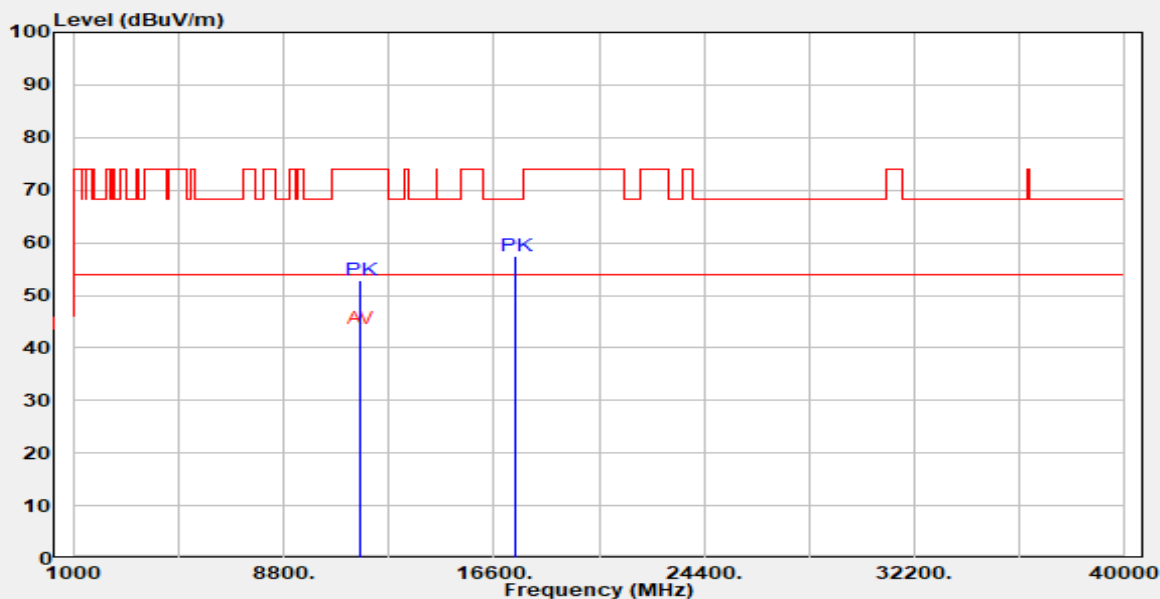
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11590.00	Average	32.23	11.19	43.42	54.00	-10.58
11590.00	Peak	42.13	11.19	53.32	74.00	-20.68
17385.00	Peak	46.49	12.16	58.65	68.20	-9.55

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5795 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



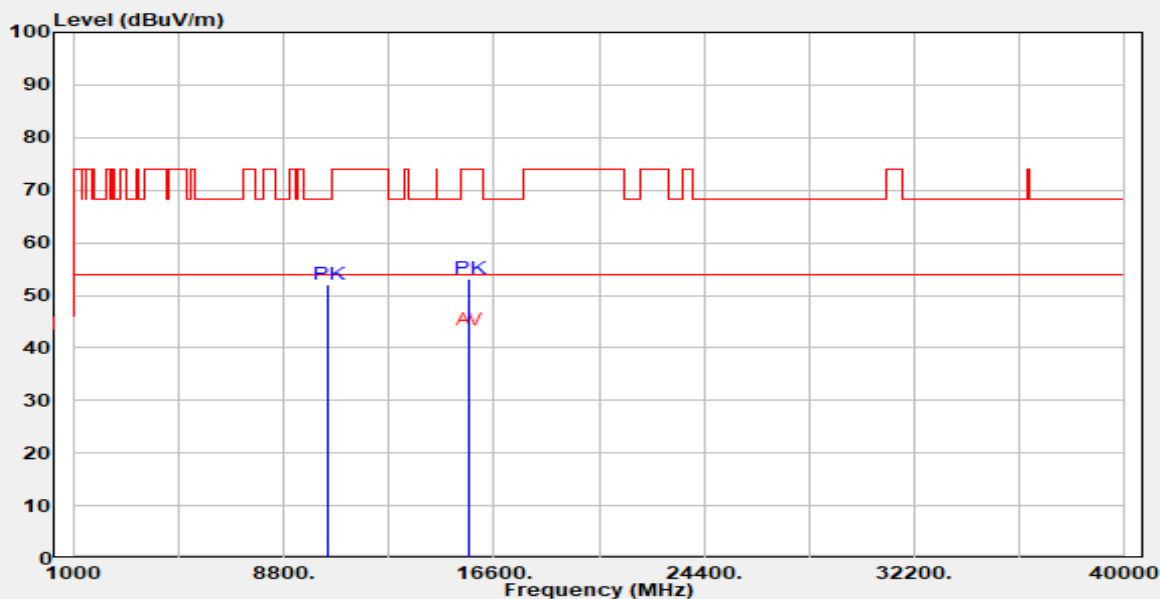
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11590.00	Average	32.40	11.19	43.59	54.00	-10.41
11590.00	Peak	41.68	11.19	52.87	74.00	-21.13
17385.00	Peak	45.24	12.16	57.40	68.20	-10.80

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5210 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



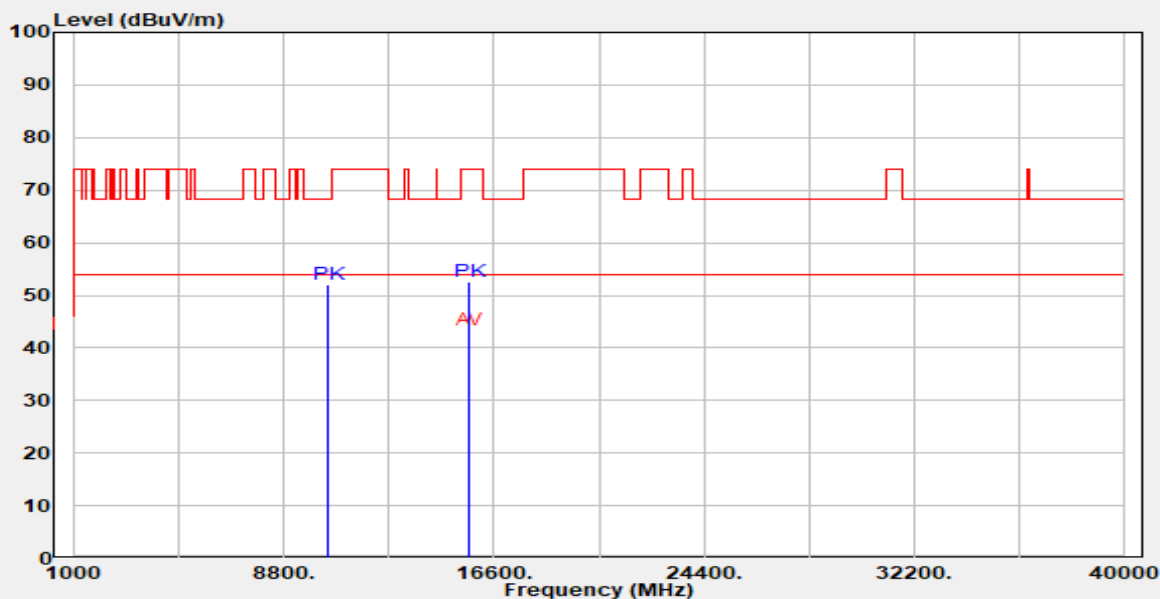
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10420.00	Peak	41.22	10.88	52.10	68.20	-16.10
15630.00	Average	34.49	8.89	43.38	54.00	-10.62
15630.00	Peak	44.24	8.89	53.13	74.00	-20.87

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5210 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



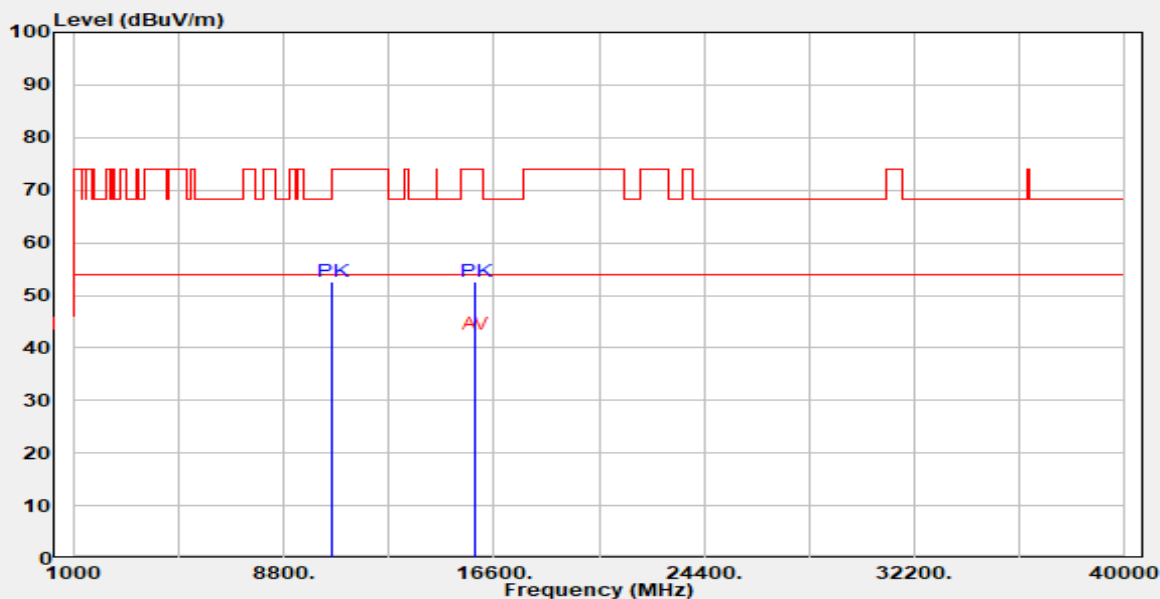
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10420.00	Peak	41.27	10.88	52.15	68.20	-16.05
15630.00	Average	34.44	8.89	43.33	54.00	-10.67
15630.00	Peak	43.72	8.89	52.61	74.00	-21.39

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5290 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



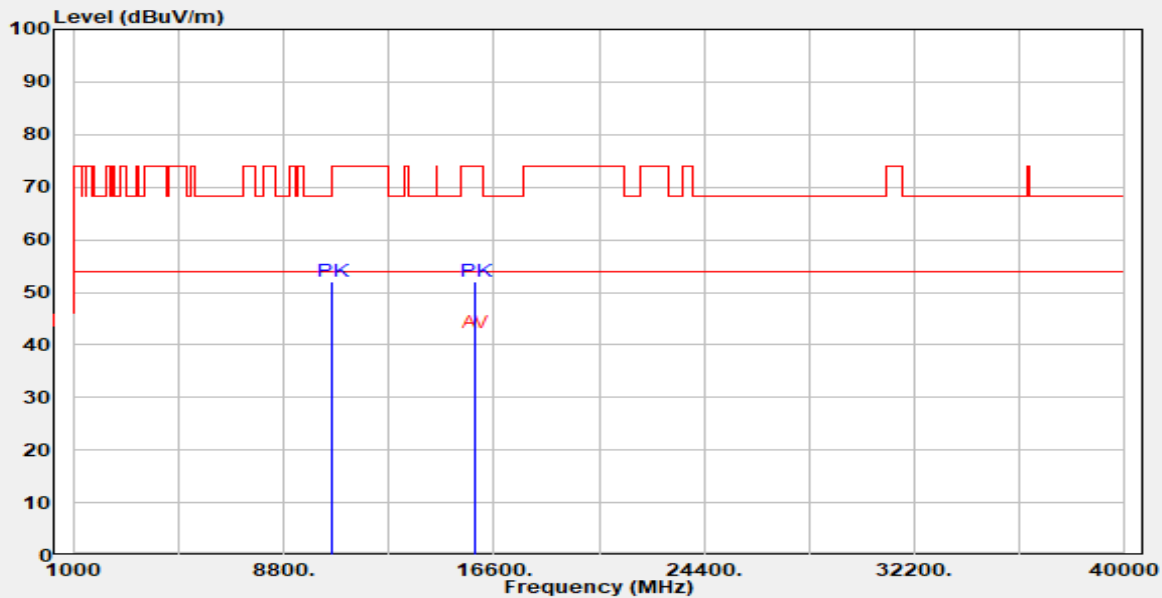
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10580.00	Peak	41.56	10.90	52.45	68.20	-15.75
15870.00	Average	34.21	8.35	42.56	54.00	-11.44
15870.00	Peak	44.16	8.35	52.51	74.00	-21.49

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5290 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



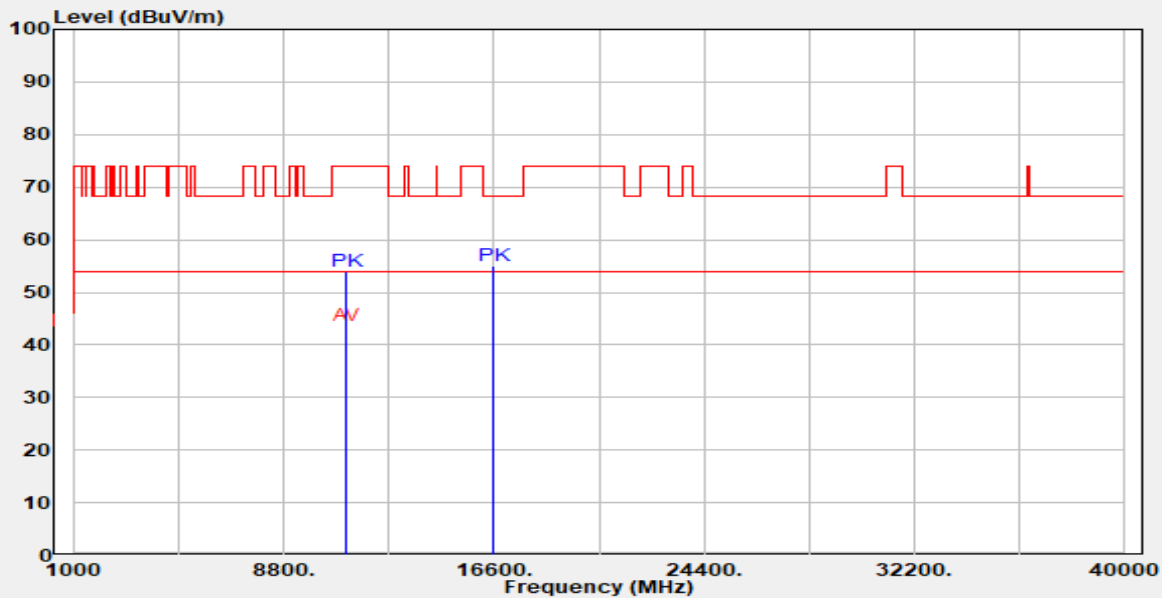
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10580.00	Peak	41.24	10.90	52.14	68.20	-16.06
15870.00	Average	34.06	8.35	42.41	54.00	-11.59
15870.00	Peak	43.61	8.35	51.95	74.00	-22.05

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5530 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



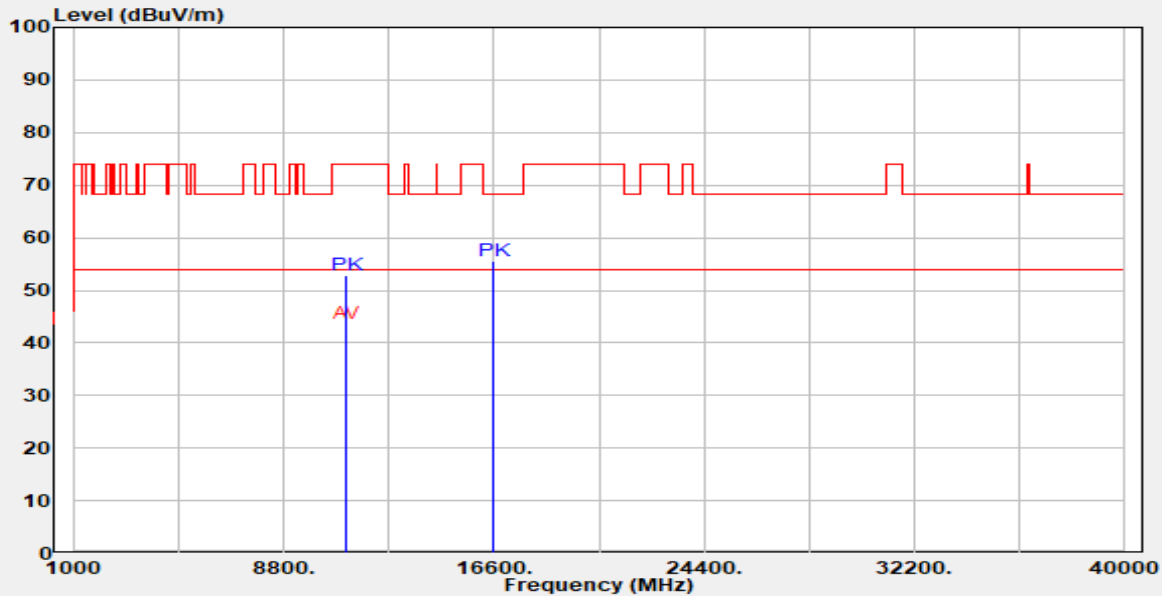
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11060.00	Average	31.96	11.59	43.55	54.00	-10.45
11060.00	Peak	42.22	11.59	53.80	74.00	-20.20
16590.00	Peak	44.41	10.50	54.91	68.20	-13.29

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5530 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



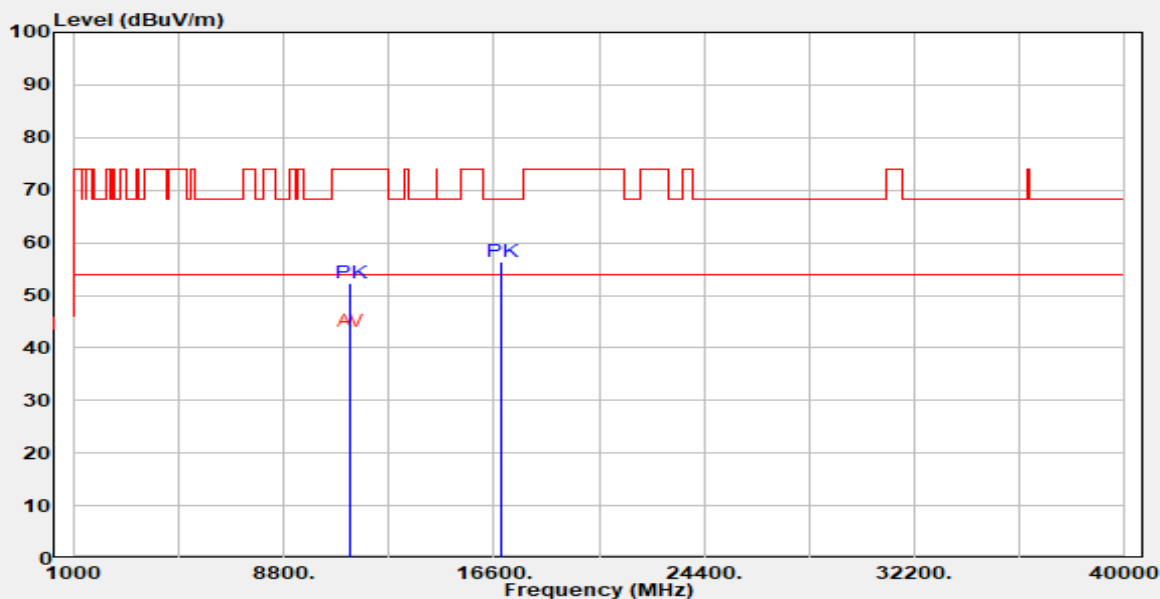
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11060.00	Average	32.09	11.59	43.68	54.00	-10.32
11060.00	Peak	41.15	11.59	52.74	74.00	-21.26
16590.00	Peak	45.01	10.50	55.51	68.20	-12.69

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5610 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



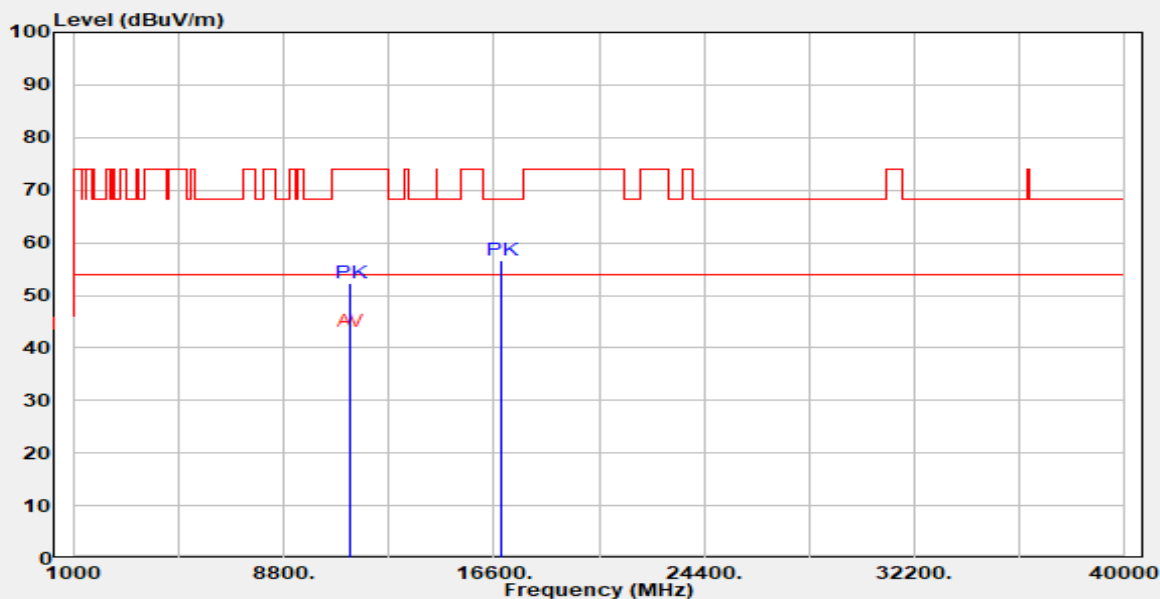
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11220.00	Average	31.94	11.08	43.02	54.00	-10.98
11220.00	Peak	41.18	11.08	52.26	74.00	-21.74
16830.00	Peak	45.06	11.30	56.37	68.20	-11.83

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5610 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



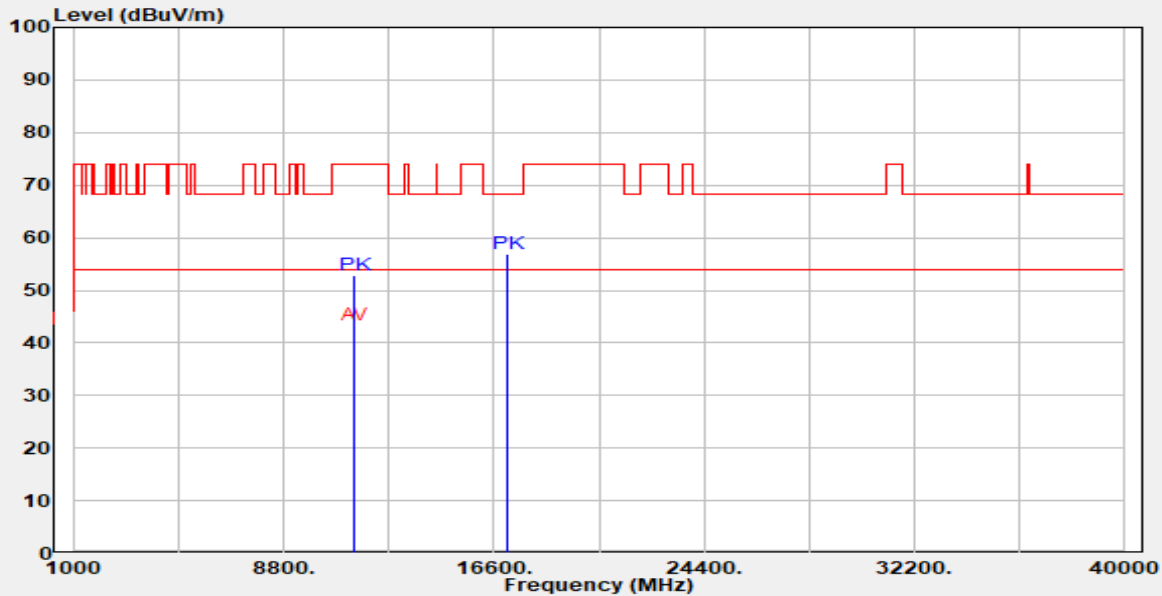
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11220.00	Average	31.89	11.08	42.97	54.00	-11.03
11220.00	Peak	41.11	11.08	52.19	74.00	-21.81
16830.00	Peak	45.28	11.30	56.59	68.20	-11.61

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5690 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



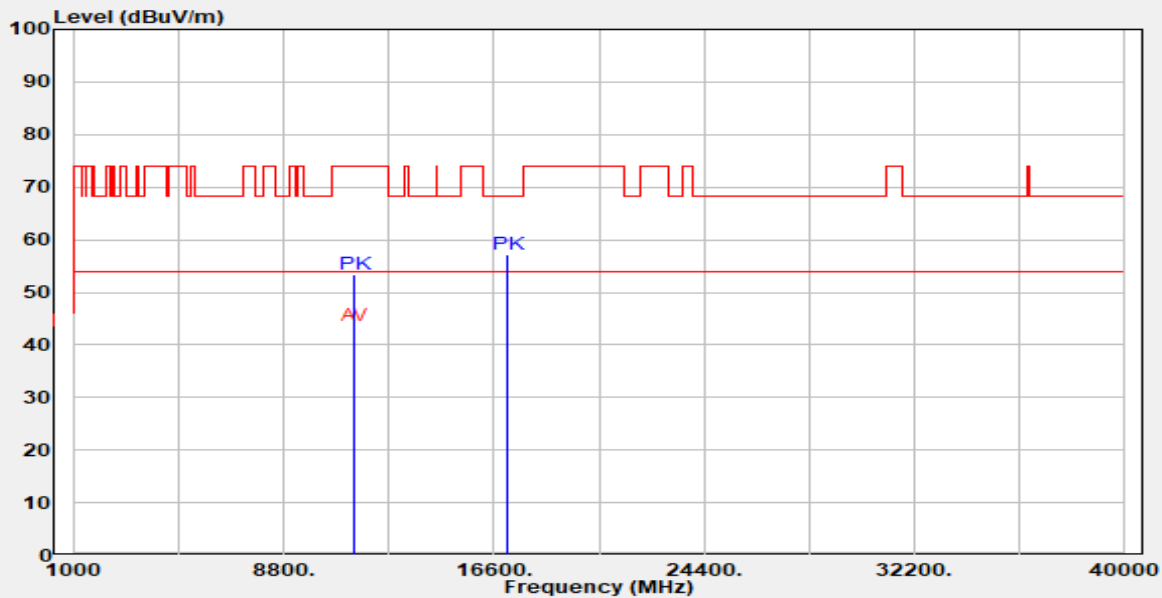
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11380.00	Average	32.01	11.32	43.33	54.00	-10.67
11380.00	Peak	41.53	11.32	52.86	74.00	-21.14
17070.00	Peak	45.81	11.04	56.85	68.20	-11.35

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5690 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



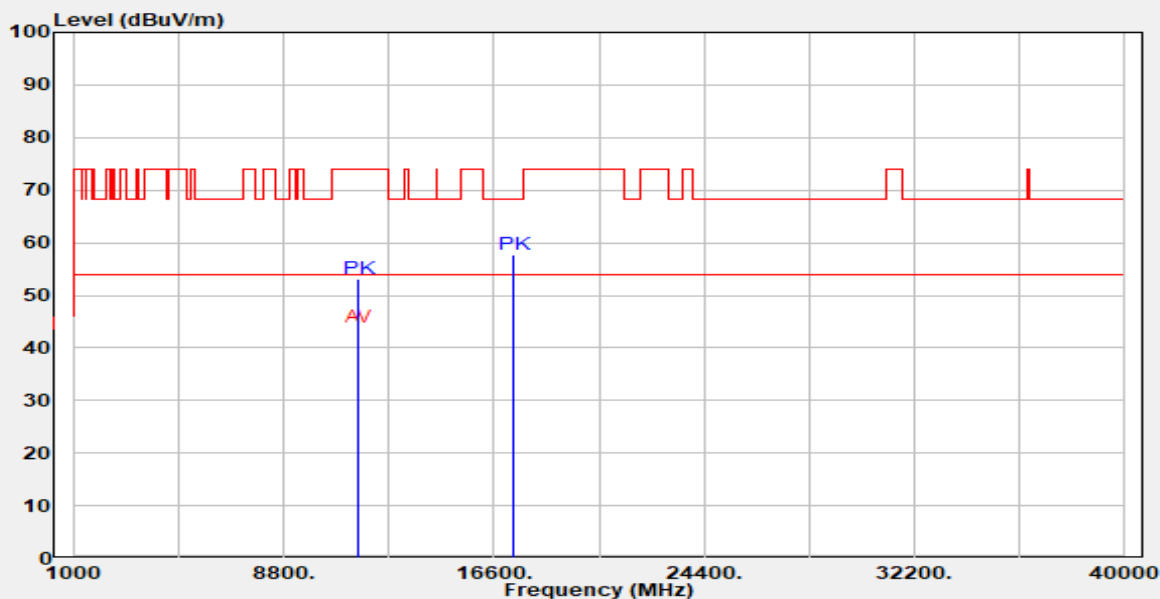
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11380.00	Average	32.18	11.32	43.50	54.00	-10.50
11380.00	Peak	41.96	11.32	53.28	74.00	-20.72
17070.00	Peak	46.21	11.04	57.25	68.20	-10.95

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5775 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



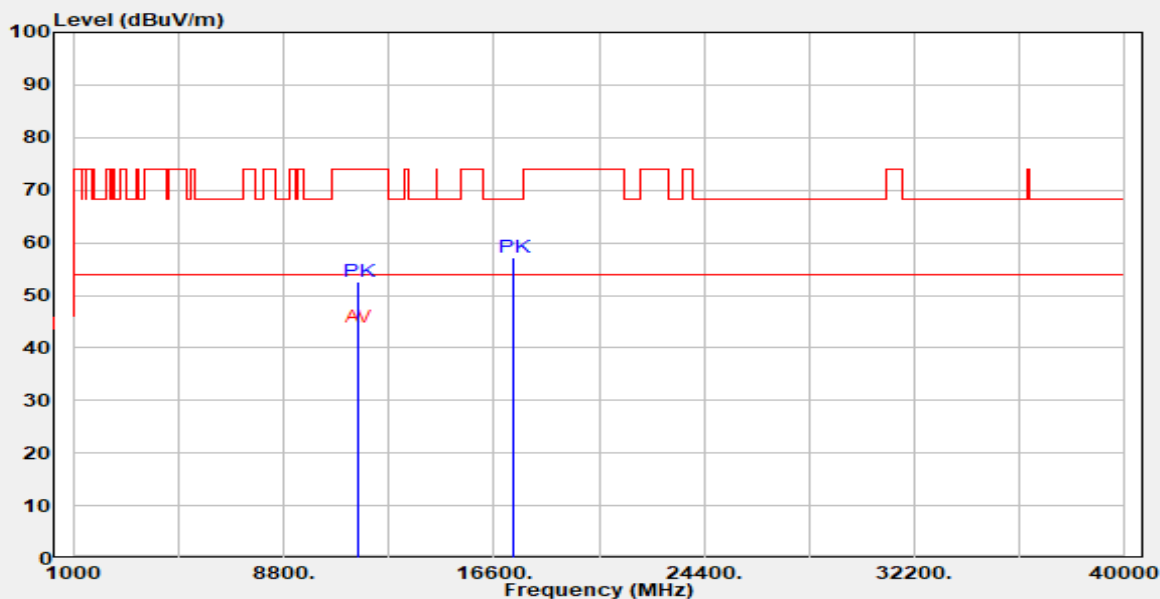
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11550.00	Average	32.42	11.42	43.84	54.00	-10.16
11550.00	Peak	41.67	11.42	53.09	74.00	-20.91
17325.00	Peak	45.97	11.70	57.66	68.20	-10.54

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5775 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11550.00	Average	32.61	11.42	44.03	54.00	-9.97
11550.00	Peak	41.25	11.42	52.67	74.00	-21.33
17325.00	Peak	45.53	11.70	57.23	68.20	-10.97

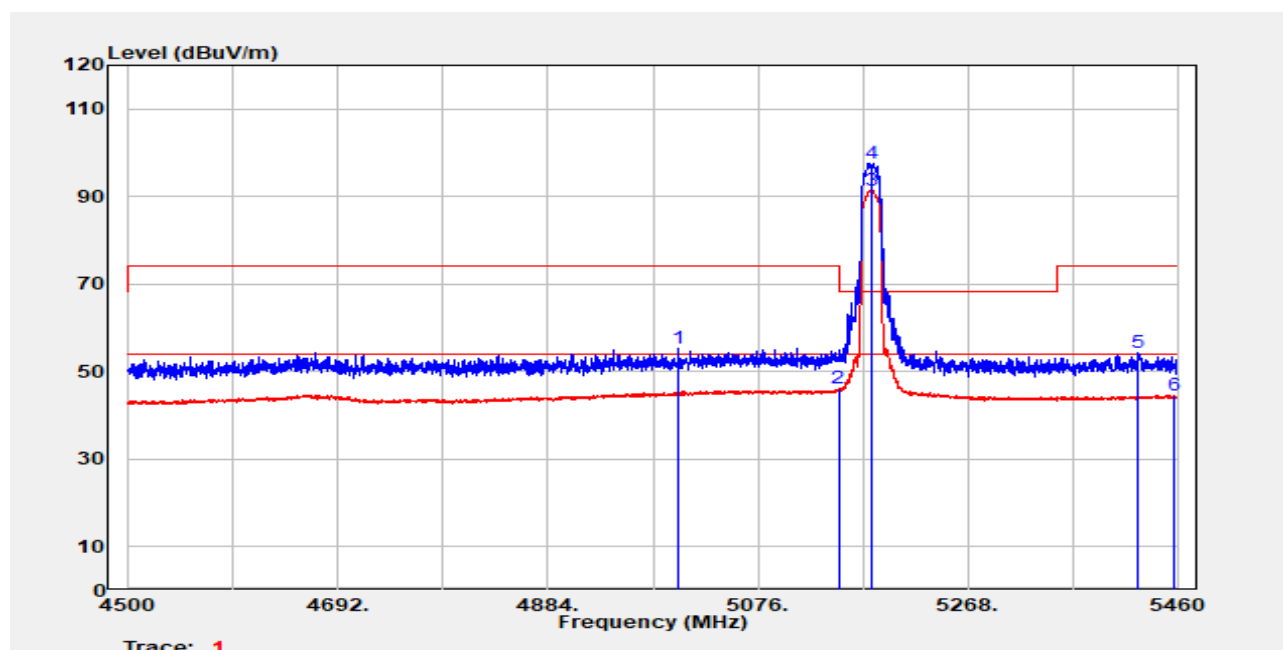
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11.6.2 Band edge falling to restricted band

Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5180 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



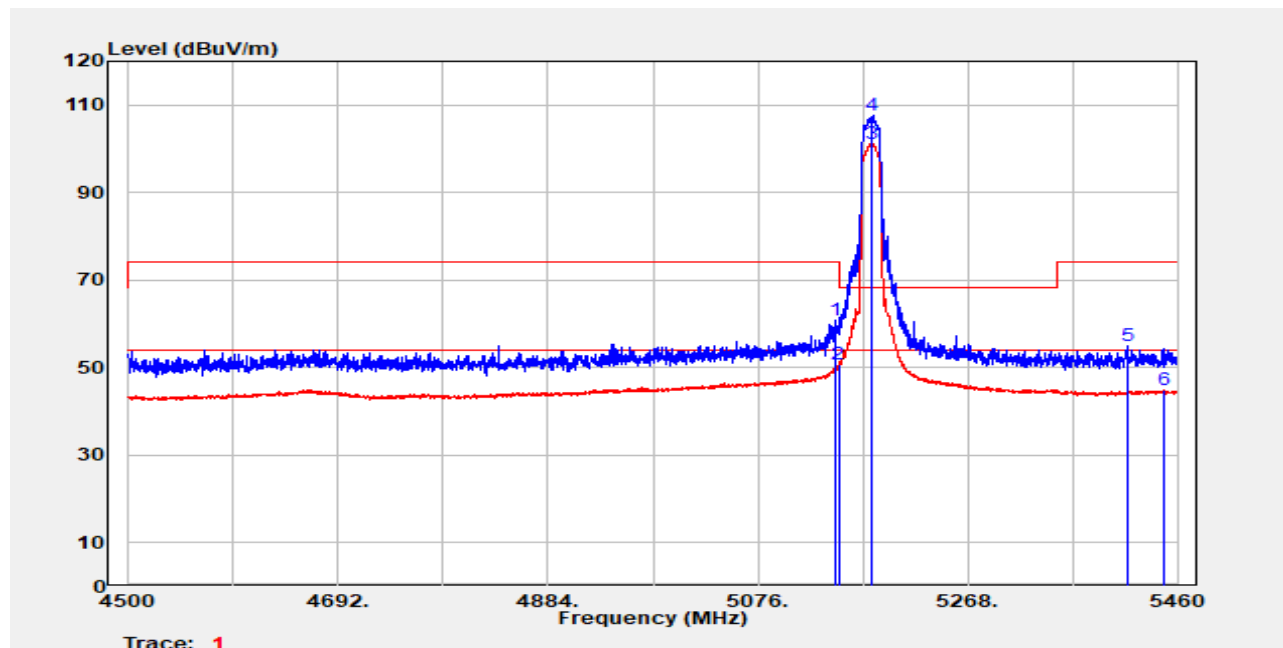
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5002.45	Peak	52.64	2.73	55.37	74.00	-18.63
5149.84	Average	43.40	2.81	46.21	54.00	-7.79
5180.00	Average	88.78	2.72	91.50	-	-
5180.00	Peak	94.88	2.72	97.60	-	-
5423.27	Peak	51.43	3.02	54.45	74.00	-19.55
5456.64	Average	41.38	3.20	44.58	54.00	-9.42

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5180 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



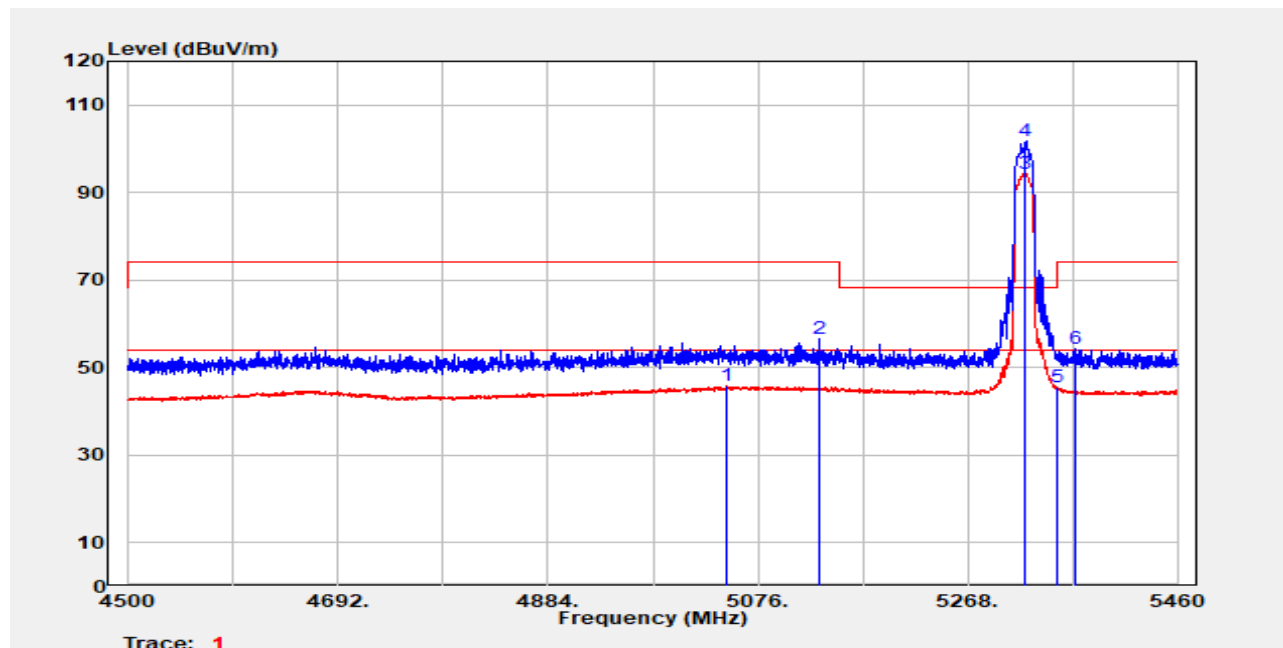
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5147.44	Peak	58.12	2.82	60.94	74.00	-13.06
5149.84	Average	47.81	2.81	50.62	54.00	-3.38
5180.00	Average	98.54	2.72	101.26	-	-
5180.00	Peak	105.04	2.72	107.76	-	-
5414.87	Peak	51.99	2.97	54.96	74.00	-19.04
5447.76	Average	41.72	3.20	44.92	54.00	-9.08

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5320 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



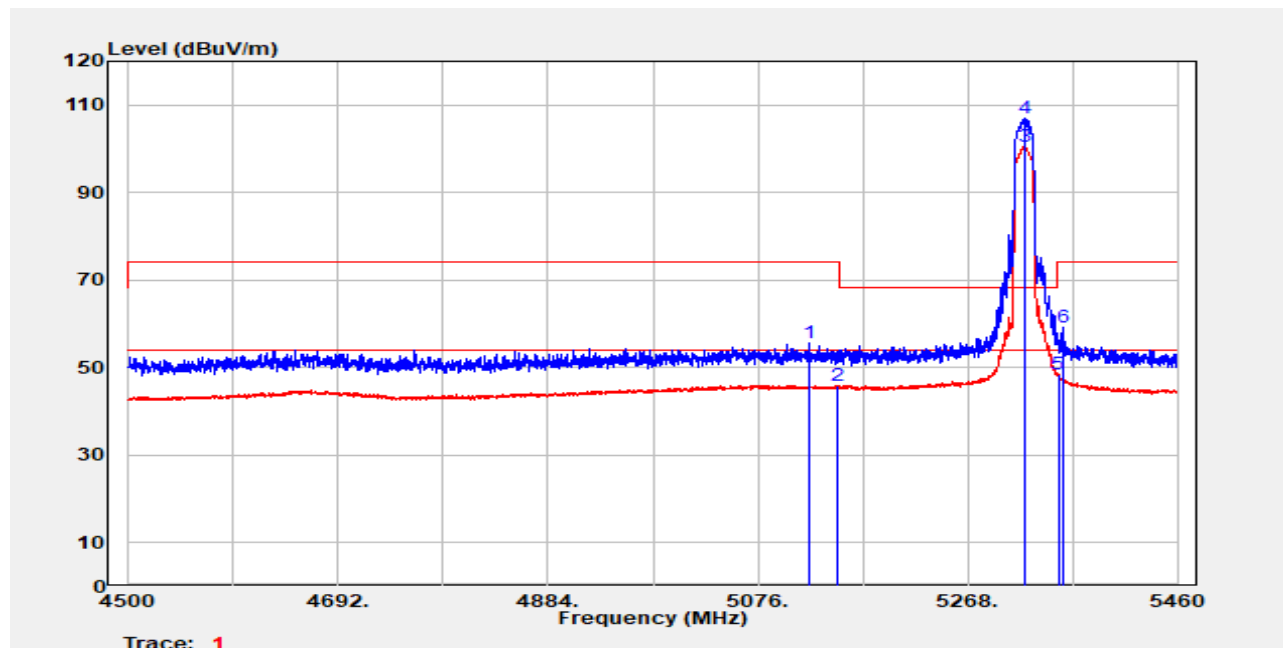
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5047.58	Average	42.66	3.08	45.74	54.00	-8.26
5132.80	Peak	53.57	2.86	56.43	74.00	-17.57
5320.00	Average	91.70	2.74	94.44	-	-
5320.00	Peak	99.21	2.74	101.95	-	-
5350.29	Average	42.50	2.96	45.46	54.00	-8.54
5366.86	Peak	51.31	2.94	54.25	74.00	-19.75

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5320 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



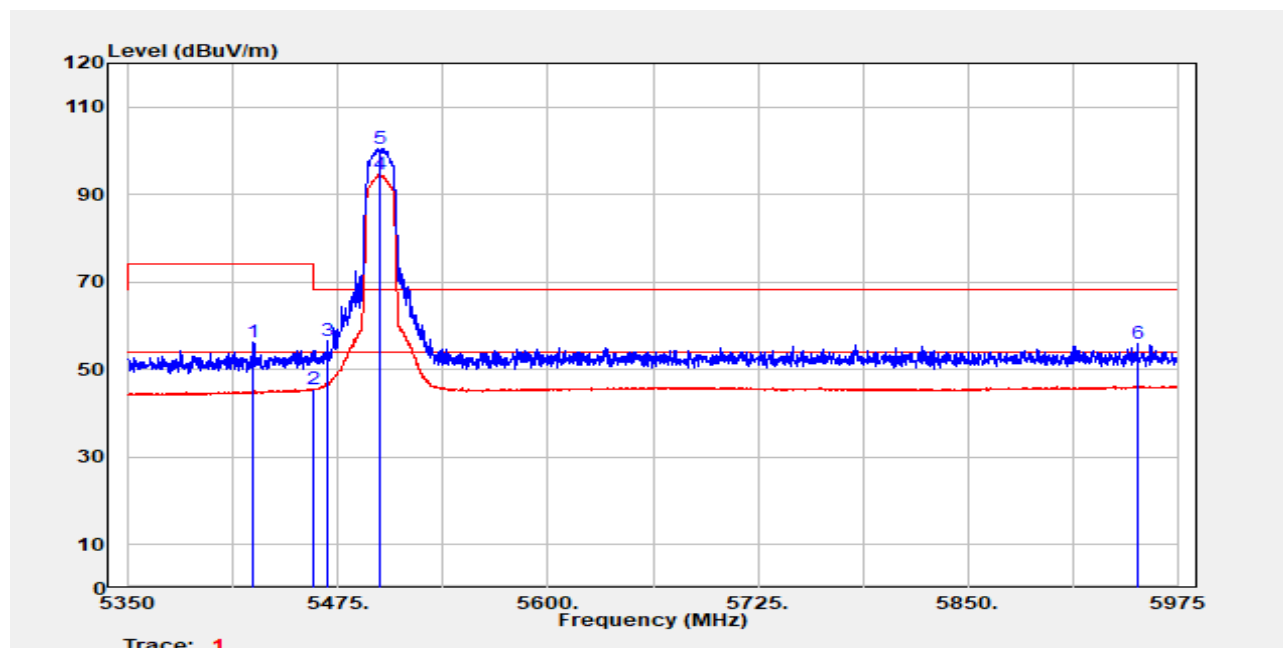
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5122.72	Peak	52.73	2.89	55.62	74.00	-18.38
5148.64	Average	43.14	2.82	45.96	54.00	-8.04
5320.00	Average	97.67	2.74	100.41	-	-
5320.00	Peak	104.18	2.74	106.92	-	-
5351.01	Average	45.38	2.96	48.34	54.00	-5.66
5354.85	Peak	56.19	2.95	59.14	74.00	-14.86

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Report Number :TERF2403000509ER
 Operation Mode :802.11a
 Test Frequency :5500 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 1
 Test Date :2024-03-11
 Temp./Humi. :24.6°C/54%
 Antenna Pol. :Vertical
 Engineer :Cooper Hsu



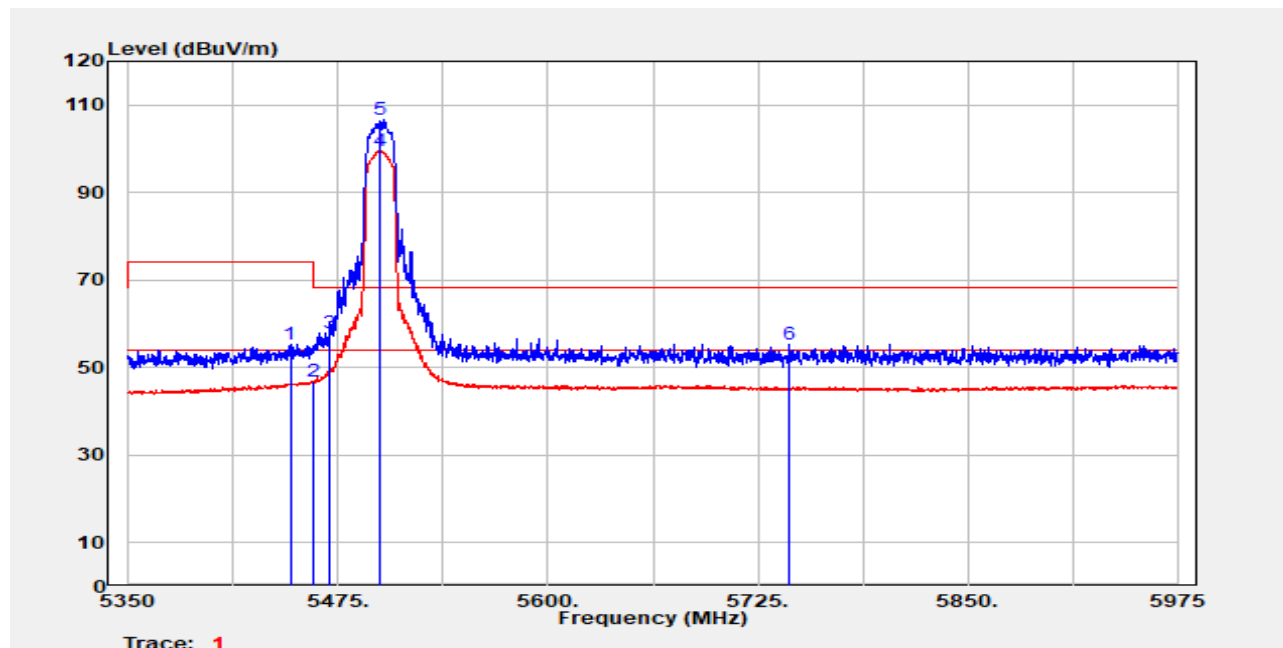
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5424.40	Peak	53.26	3.03	56.29	74.00	-17.71
5459.83	Average	42.34	3.19	45.53	54.00	-8.47
5468.58	Peak	53.40	3.17	56.57	68.20	-11.63
5500.00	Average	91.42	3.11	94.53	-	-
5500.00	Peak	97.48	3.11	100.59	-	-
5951.66	Peak	51.64	4.16	55.80	68.20	-12.40

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Report Number :TERF2403000509ER
 Operation Mode :802.11a
 Test Frequency :5500 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 1
 Test Date :2024-03-11
 Temp./Humi. :24.6°C/54%
 Antenna Pol. :Horizontal
 Engineer :Cooper Hsu



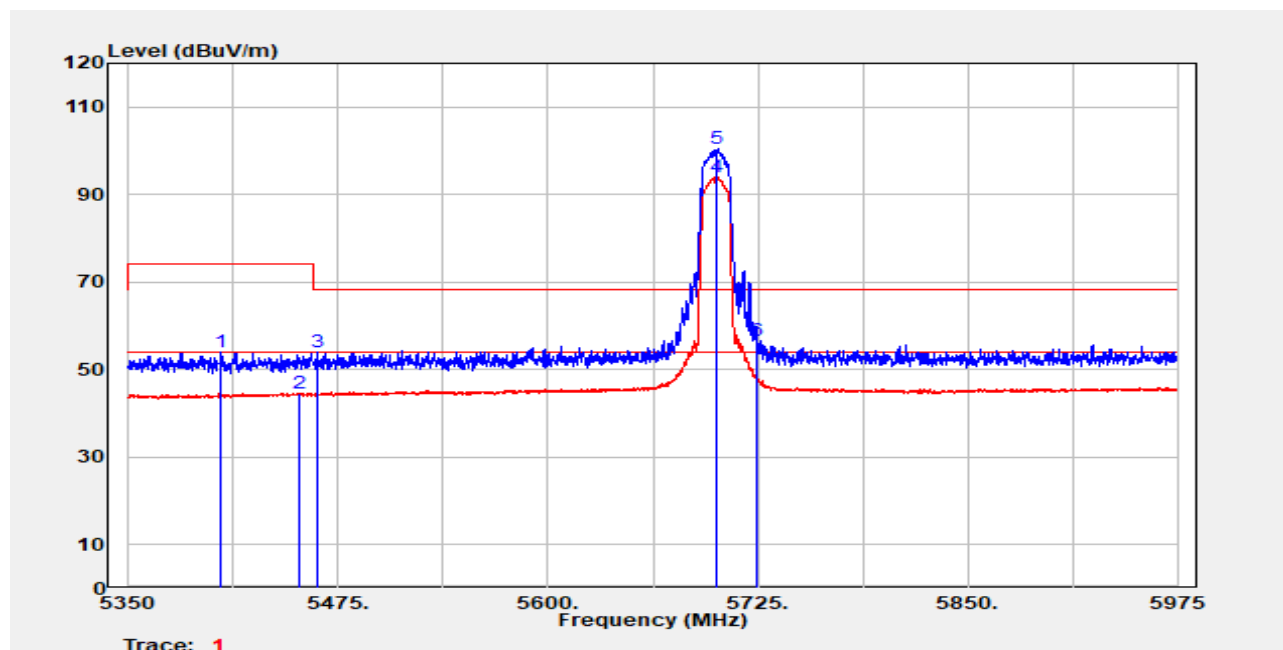
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5446.28	Peak	52.15	3.19	55.34	74.00	-18.66
5459.83	Average	43.57	3.19	46.76	54.00	-7.24
5470.00	Peak	54.86	3.17	58.03	68.20	-10.17
5500.00	Average	96.55	3.11	99.66	-	-
5500.00	Peak	103.41	3.11	106.52	-	-
5743.46	Peak	51.47	3.90	55.37	68.20	-12.83

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5700 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



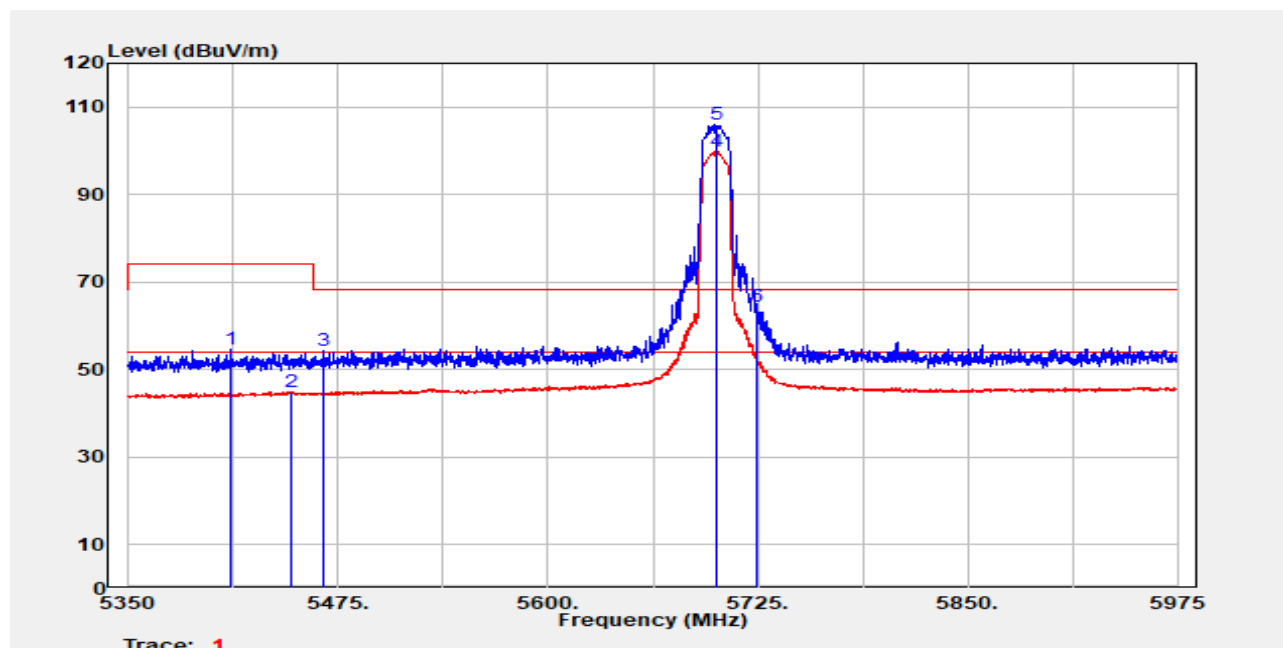
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5405.23	Peak	51.01	2.90	53.91	74.00	-20.09
5451.70	Average	41.36	3.21	44.57	54.00	-9.43
5462.12	Peak	50.79	3.18	53.97	68.20	-14.23
5700.00	Average	90.23	3.75	93.98	-	-
5700.00	Peak	96.65	3.75	100.40	-	-
5725.17	Peak	52.76	3.83	56.59	68.20	-11.61

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Report Number :TERF2403000509ER
 Operation Mode :802.11a
 Test Frequency :5700 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 1
 Test Date :2024-03-11
 Temp./Humi. :24.6°C/54%
 Antenna Pol. :Horizontal
 Engineer :Cooper Hsu



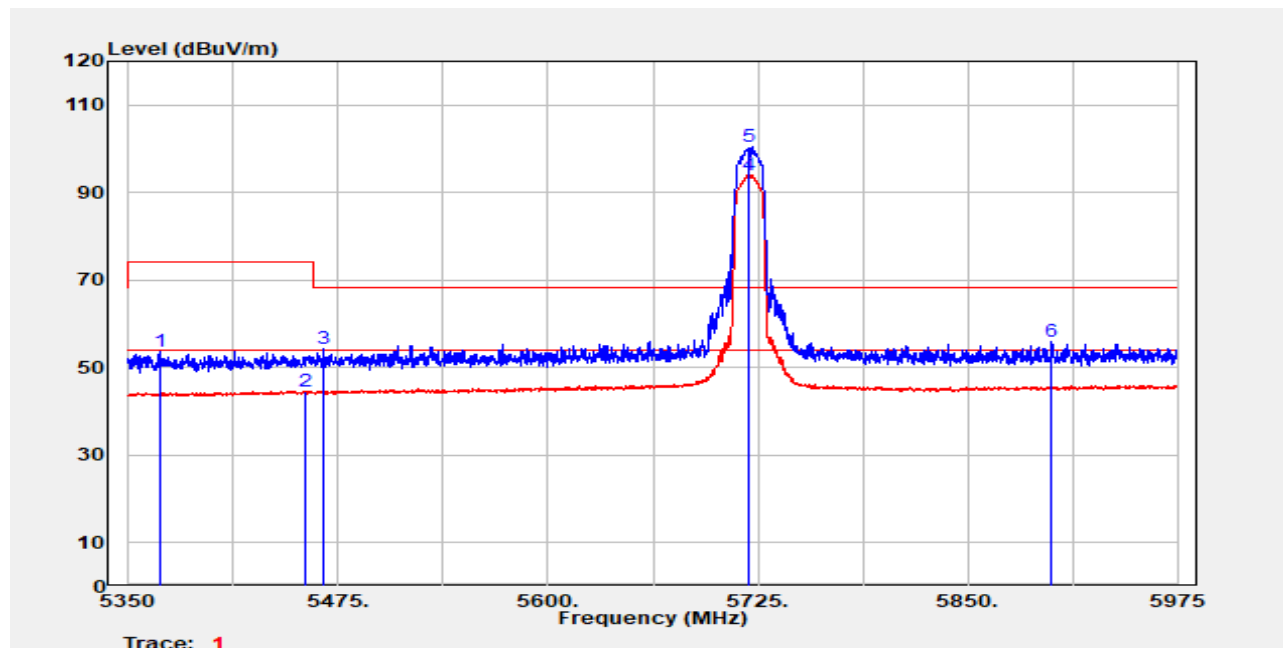
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5410.44	Peak	51.67	2.94	54.61	74.00	-19.39
5446.49	Average	41.73	3.19	44.92	54.00	-9.08
5466.08	Peak	51.07	3.17	54.24	68.20	-13.96
5700.00	Average	96.18	3.75	99.93	-	-
5700.00	Peak	102.16	3.75	105.91	-	-
5725.02	Peak	60.46	3.83	64.29	68.20	-3.91

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5720 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



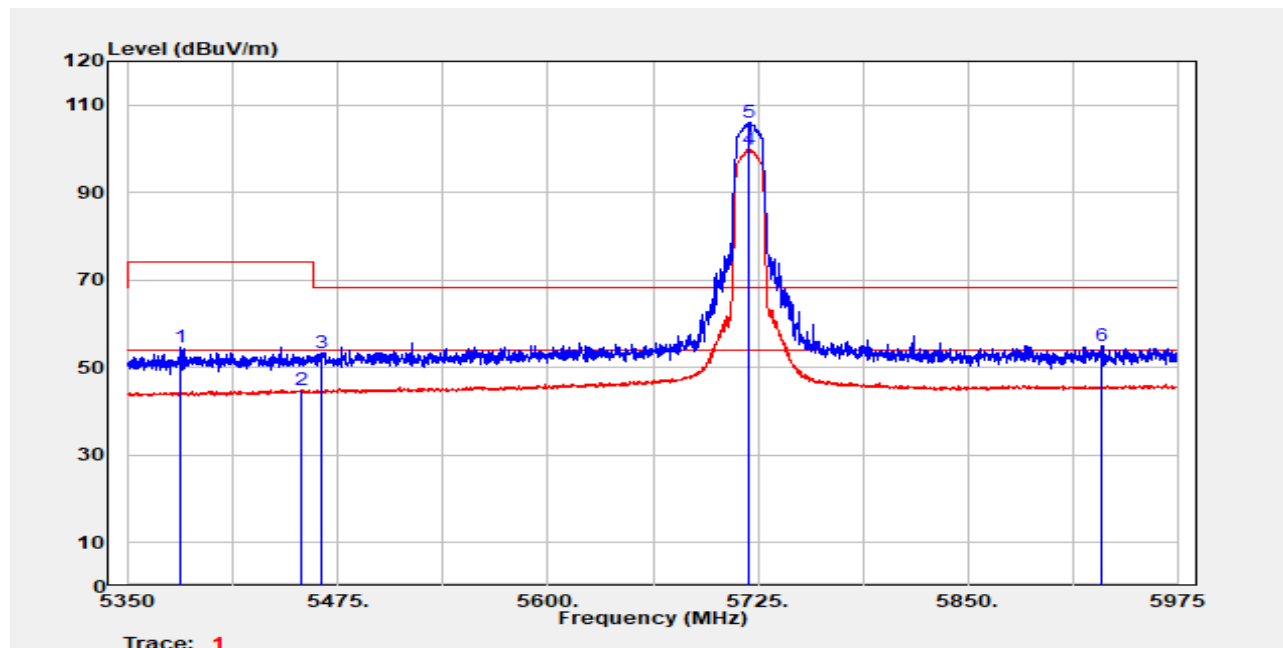
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5368.76	Peak	50.88	2.93	53.81	74.00	-20.19
5455.66	Average	41.45	3.20	44.65	54.00	-9.35
5465.87	Peak	51.29	3.18	54.47	68.20	-13.73
5720.00	Average	90.23	3.82	94.05	-	-
5720.00	Peak	96.55	3.82	100.37	-	-
5900.39	Peak	52.20	3.90	56.10	68.20	-12.10

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5720 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



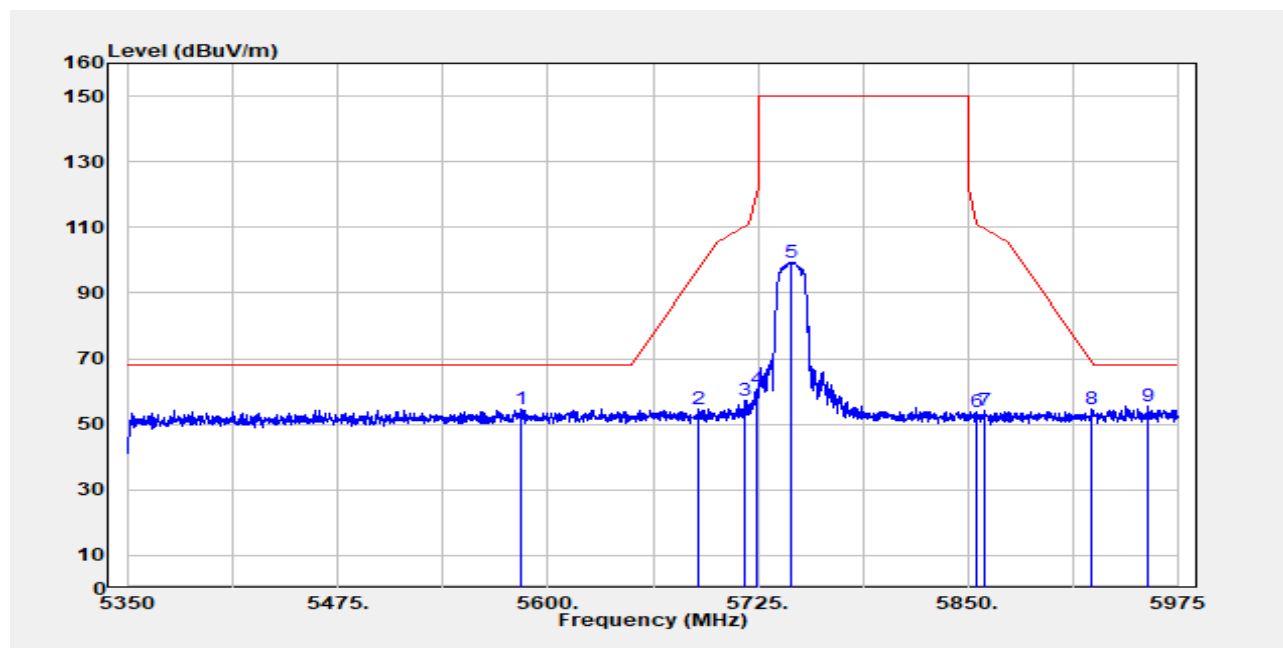
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5381.26	Peak	51.63	2.91	54.54	74.00	-19.46
5452.74	Average	41.80	3.20	45.00	54.00	-9.00
5465.46	Peak	50.22	3.18	53.40	68.20	-14.80
5720.00	Average	96.03	3.82	99.85	-	-
5720.00	Peak	102.22	3.82	106.04	-	-
5930.40	Peak	50.93	4.05	54.98	68.20	-13.22

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Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5745 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5584.25	Peak	51.53	3.13	54.66	68.20	-13.54
5689.70	Peak	50.96	3.70	54.66	97.58	-42.92
5717.62	Peak	53.42	3.81	57.23	110.13	-52.90
5724.92	Peak	56.80	3.83	60.63	122.01	-61.38
5745.00	Peak	95.46	3.90	99.36	-	-
5854.96	Peak	50.01	3.74	53.75	110.89	-57.14
5859.96	Peak	50.30	3.77	54.07	109.41	-55.34
5924.15	Peak	50.42	4.03	54.45	68.83	-14.38
5957.91	Peak	51.45	4.18	55.63	68.20	-12.57

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t (886-2) 2299-3279

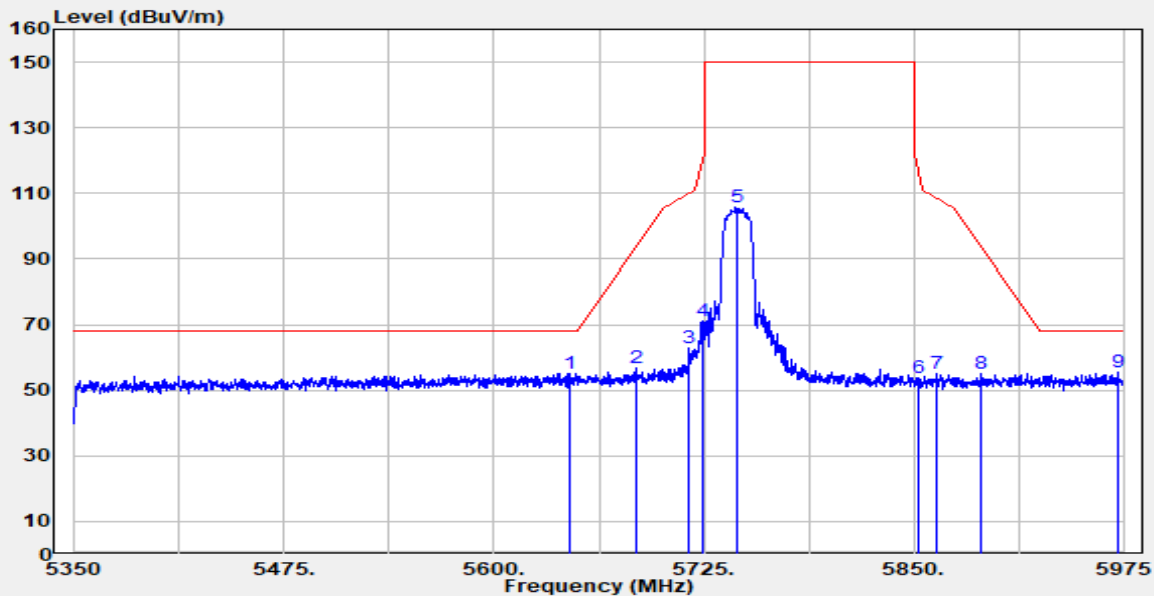
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5745 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5644.68	Peak	51.61	3.48	55.09	68.20	-13.11
5684.49	Peak	53.07	3.67	56.74	93.72	-36.98
5716.16	Peak	59.06	3.80	62.86	109.73	-46.87
5723.88	Peak	67.26	3.83	71.09	119.64	-48.55
5745.00	Peak	101.70	3.90	105.60	-	-
5852.67	Peak	49.88	3.74	53.62	116.12	-62.50
5863.71	Peak	51.51	3.77	55.28	108.36	-53.08
5890.39	Peak	51.16	3.86	55.02	93.81	-38.79
5972.08	Peak	51.39	4.20	55.59	68.20	-12.61

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t (886-2) 2299-3279

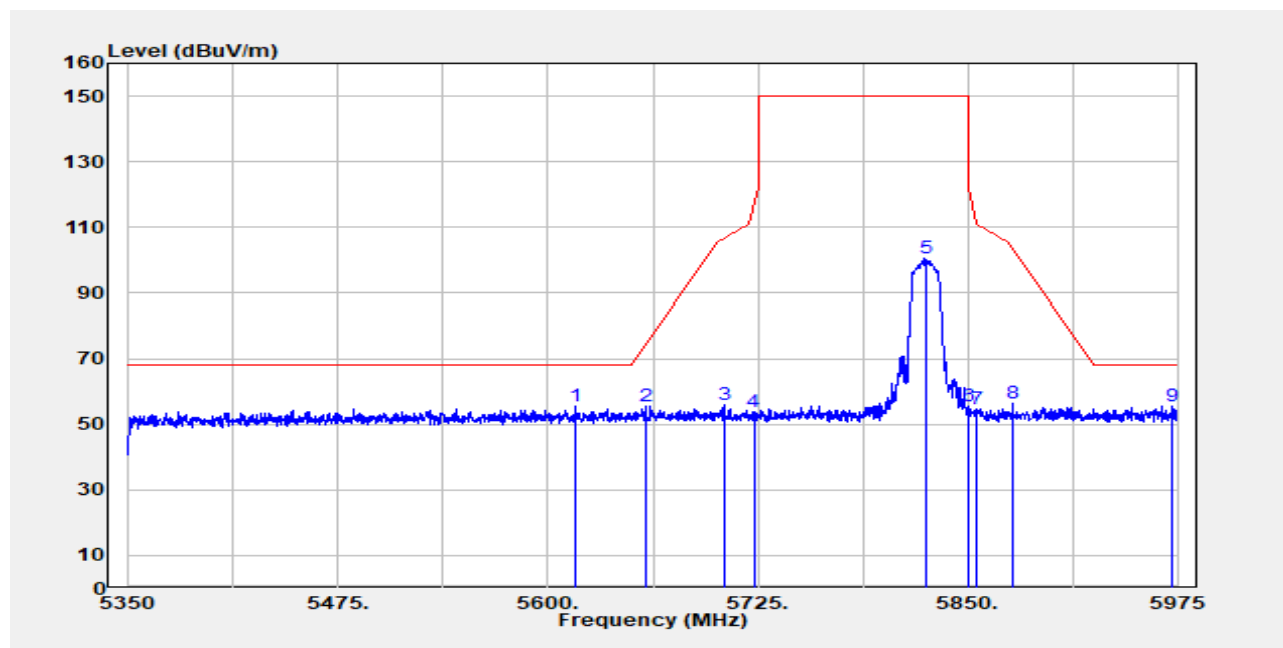
f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5825 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5616.55	Peak	52.20	3.28	55.48	68.20	-12.72
5658.23	Peak	51.76	3.55	55.31	74.29	-18.98
5704.70	Peak	51.97	3.77	55.74	106.52	-50.78
5722.62	Peak	50.13	3.83	53.96	116.78	-62.82
5825.00	Peak	96.70	3.76	100.46	-	-
5850.79	Peak	51.77	3.73	55.50	120.39	-64.89
5855.17	Peak	50.87	3.74	54.61	110.75	-56.14
5876.84	Peak	52.42	3.82	56.24	103.84	-47.60
5972.29	Peak	51.34	4.20	55.54	68.20	-12.66

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t (886-2) 2299-3279

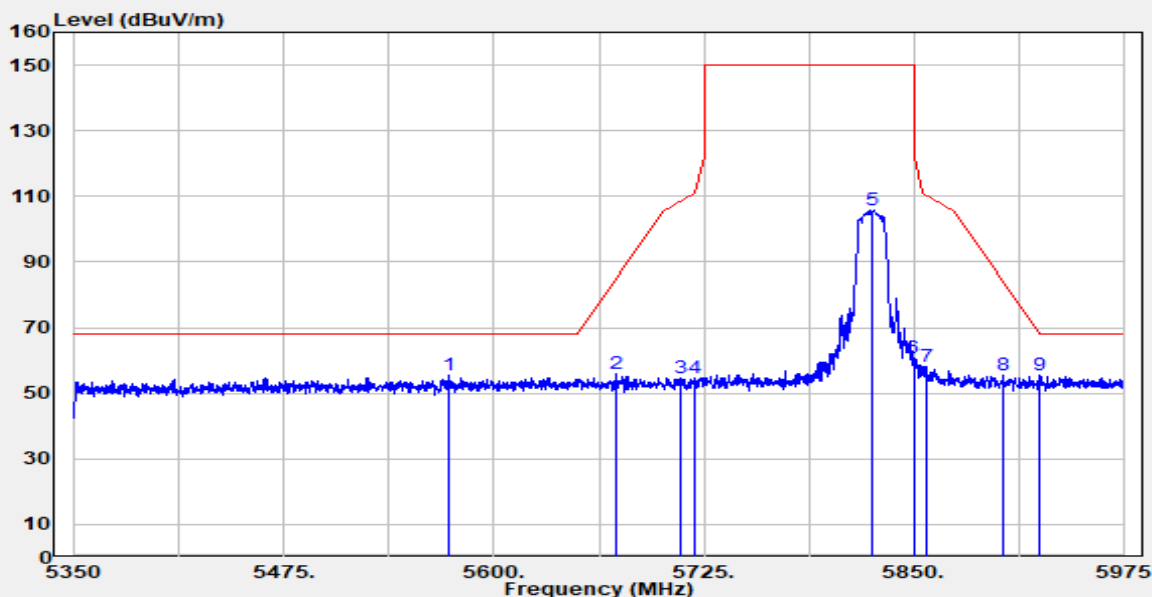
f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Report Number :TERF2403000509ER
Operation Mode :802.11a
Test Frequency :5825 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5573.20	Peak	52.49	3.10	55.59	68.20	-12.61
5673.02	Peak	52.39	3.62	56.01	85.24	-29.23
5711.37	Peak	50.84	3.78	54.62	108.38	-53.76
5720.12	Peak	50.86	3.82	54.68	111.08	-56.40
5825.00	Peak	101.99	3.76	105.75	-	-
5850.96	Peak	57.19	3.73	60.92	120.00	-89.08
5857.25	Peak	54.38	3.76	58.14	110.17	-52.03
5903.73	Peak	51.77	3.92	55.69	83.94	-28.25
5925.19	Peak	51.37	4.03	55.40	68.20	-12.80

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t (886-2) 2299-3279

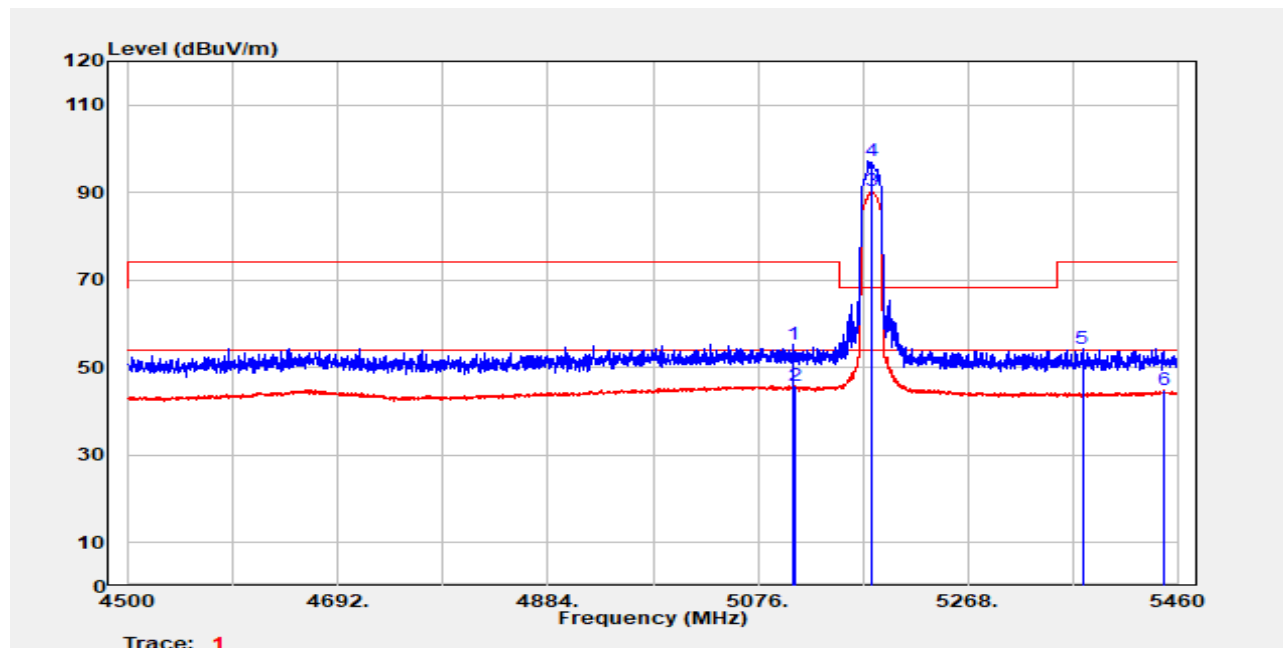
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5180 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



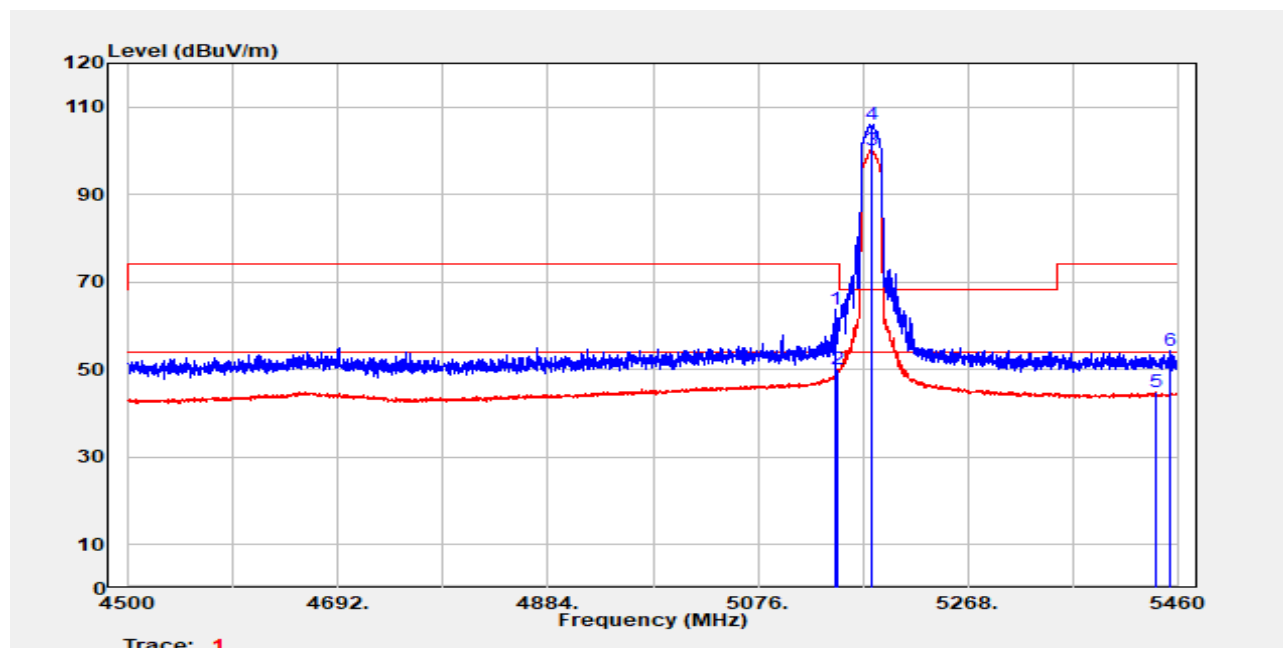
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5108.79	Peak	52.35	2.93	55.28	74.00	-18.72
5109.75	Average	42.82	2.93	45.75	54.00	-8.25
5180.00	Average	87.65	2.72	90.37	-	-
5180.00	Peak	94.48	2.72	97.20	-	-
5373.10	Peak	51.48	2.92	54.40	74.00	-19.60
5448.00	Average	41.53	3.20	44.73	54.00	-9.27

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5180 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



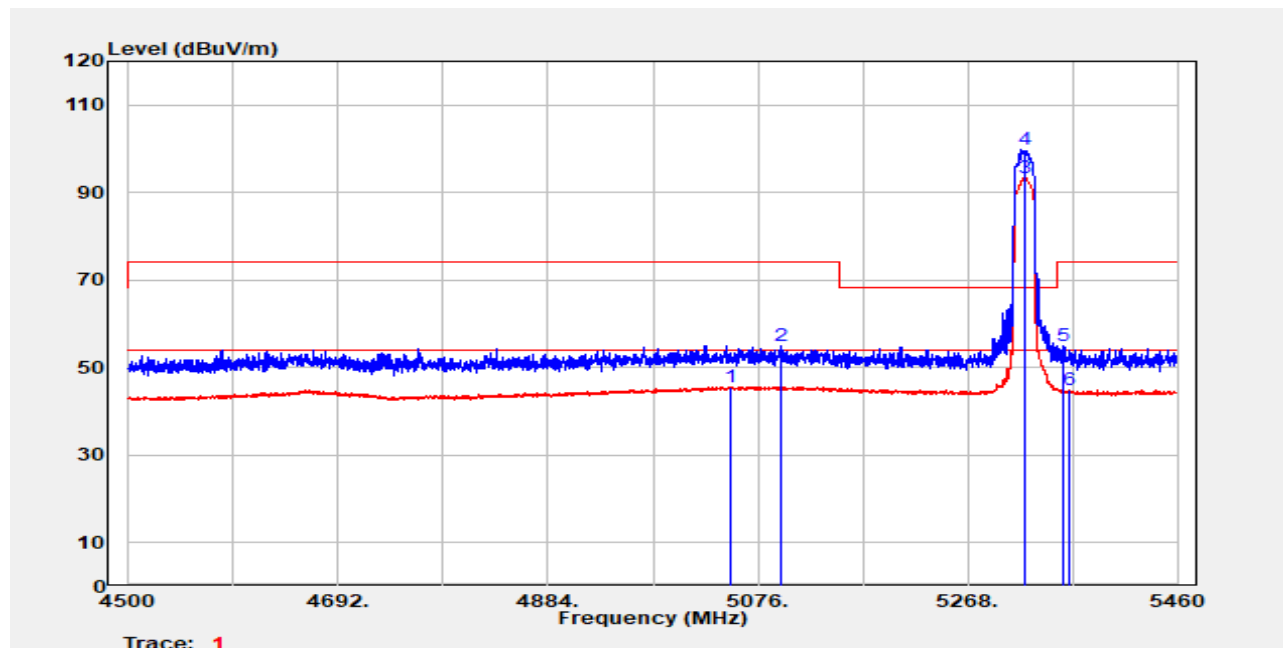
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5147.92	Peak	60.92	2.82	63.74	74.00	-10.26
5148.88	Average	47.16	2.81	49.97	54.00	-4.03
5180.00	Average	97.31	2.72	100.03	-	-
5180.00	Peak	103.34	2.72	106.06	-	-
5440.08	Average	41.64	3.14	44.78	54.00	-9.22
5453.76	Peak	51.08	3.20	54.28	74.00	-19.72

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5320 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



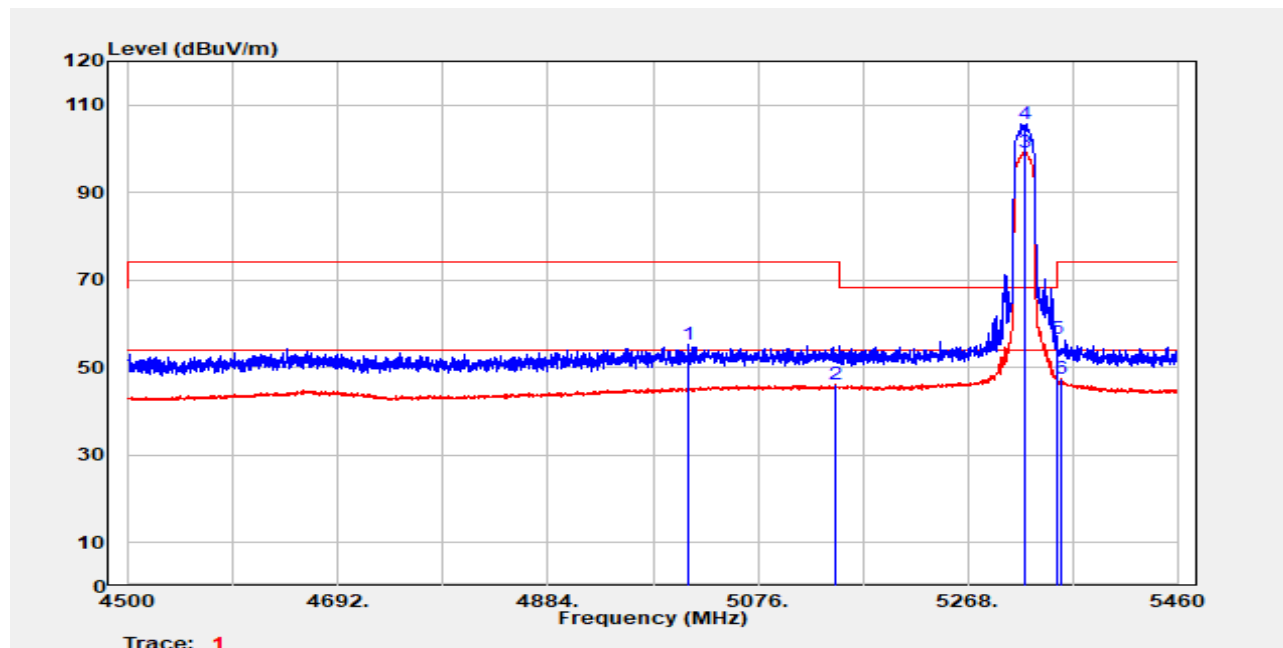
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5050.46	Average	42.59	3.09	45.68	54.00	-8.32
5097.75	Peak	52.07	2.96	55.03	74.00	-18.97
5320.00	Average	90.61	2.74	93.35	-	-
5320.00	Peak	96.96	2.74	99.70	-	-
5355.57	Peak	52.12	2.95	55.07	74.00	-18.93
5361.58	Average	42.02	2.94	44.96	54.00	-9.04

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5320 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



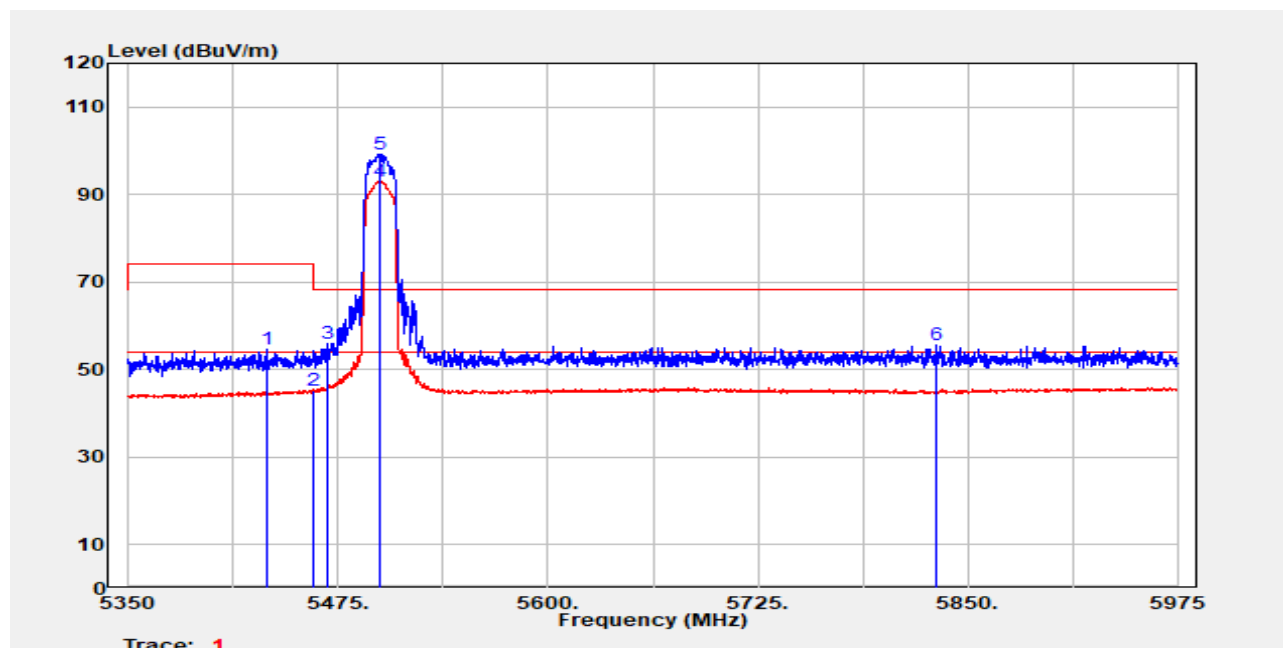
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5012.53	Peak	52.36	2.80	55.16	74.00	-18.84
5147.68	Average	43.25	2.82	46.07	54.00	-7.93
5320.00	Average	96.49	2.74	99.23	-	-
5320.00	Peak	103.06	2.74	105.80	-	-
5350.05	Peak	53.72	2.96	56.68	74.00	-17.32
5354.37	Average	44.60	2.95	47.55	54.00	-6.45

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5500 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



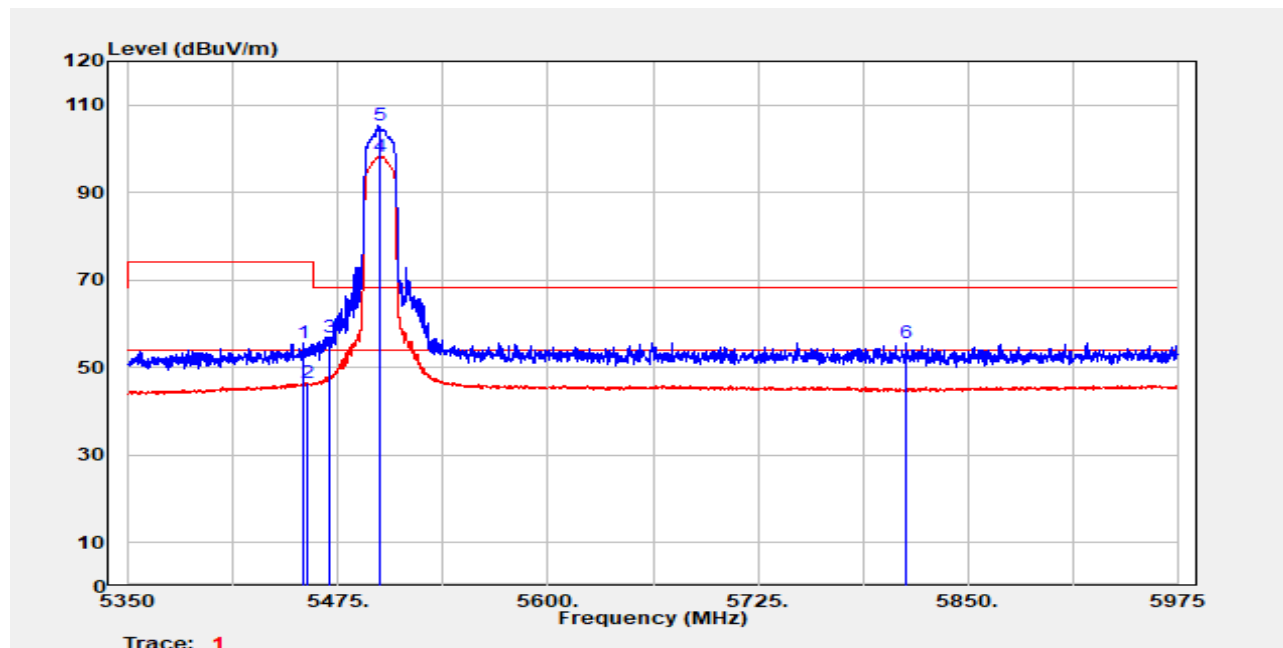
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5432.53	Peak	51.68	3.10	54.78	74.00	-19.22
5459.62	Average	42.14	3.19	45.33	54.00	-8.67
5467.96	Peak	52.74	3.17	55.91	68.20	-12.29
5500.00	Average	90.00	3.11	93.11	-	-
5500.00	Peak	96.12	3.11	99.23	-	-
5830.99	Peak	51.86	3.76	55.62	68.20	-12.58

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5500 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



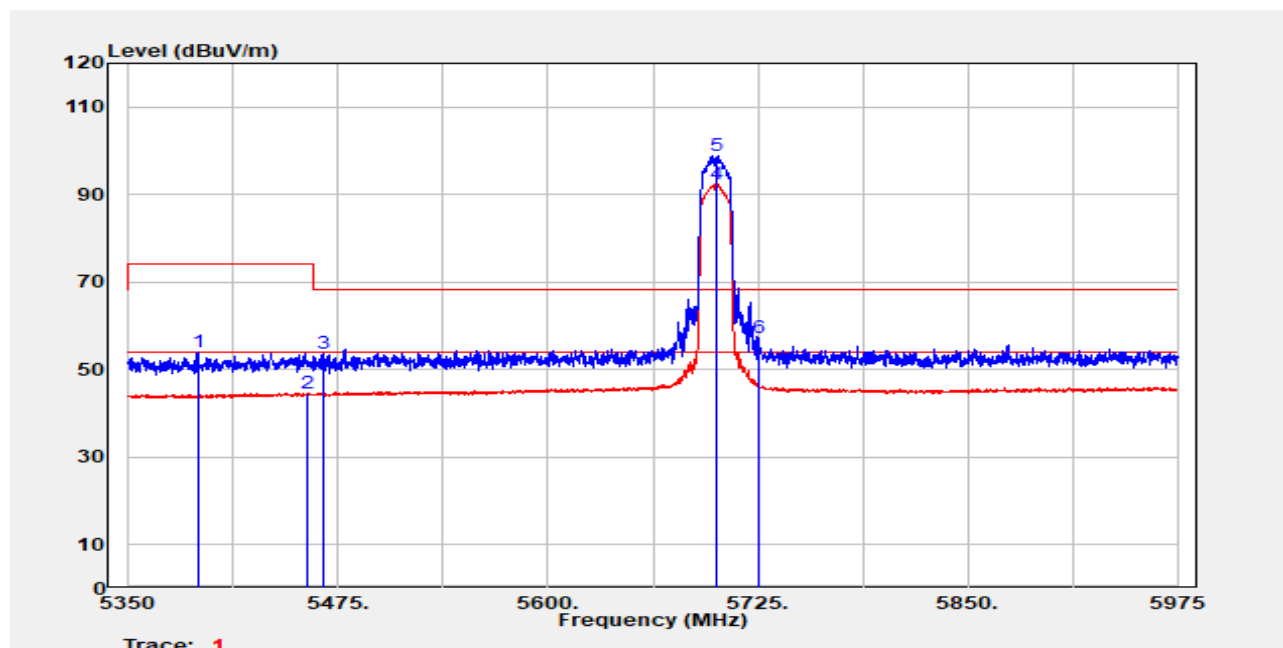
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5454.41	Peak	52.55	3.20	55.75	74.00	-18.25
5469.04	Peak	53.82	3.17	56.99	68.20	-11.21
5500.00	Average	95.20	3.11	98.31	-	-
5500.00	Peak	102.14	3.11	105.25	-	-
5813.28	Peak	51.94	3.77	55.71	68.20	-12.49

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5700 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



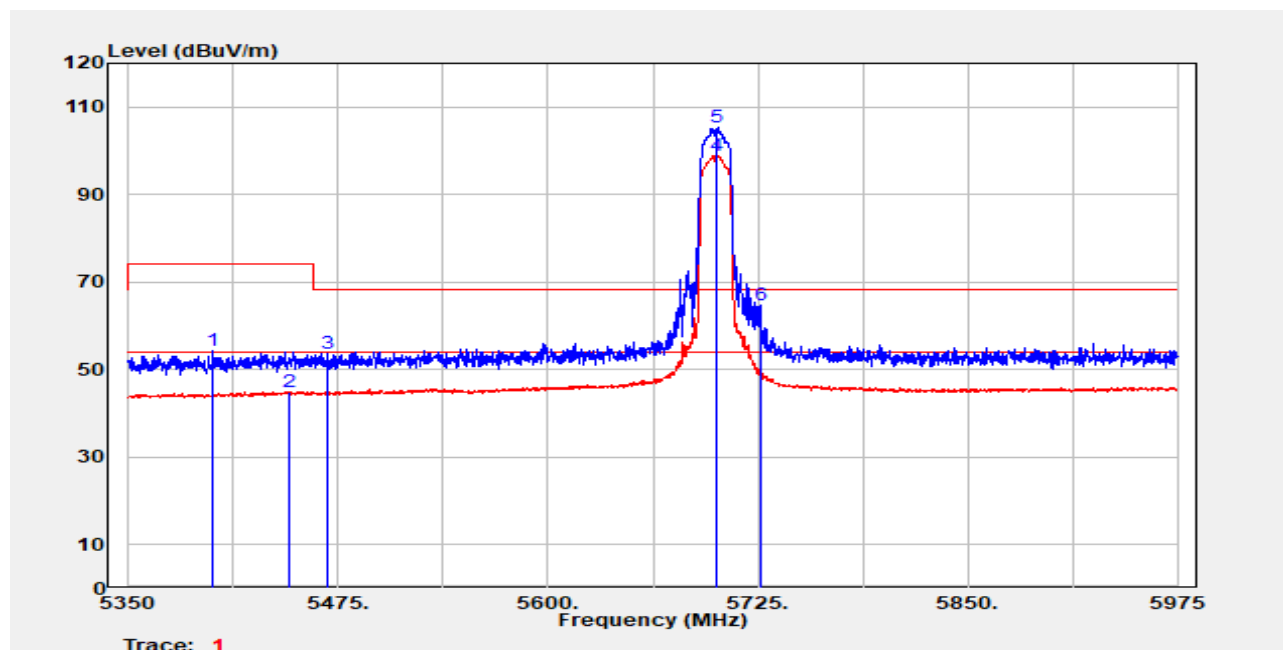
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5391.68	Peak	51.09	2.88	53.97	74.00	-20.03
5456.91	Average	41.52	3.19	44.71	54.00	-9.29
5465.66	Peak	50.33	3.18	53.51	68.20	-14.69
5700.00	Average	88.54	3.75	92.29	-	-
5700.00	Peak	95.21	3.75	98.96	-	-
5725.13	Peak	53.37	3.84	57.21	68.20	-10.99

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5700 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



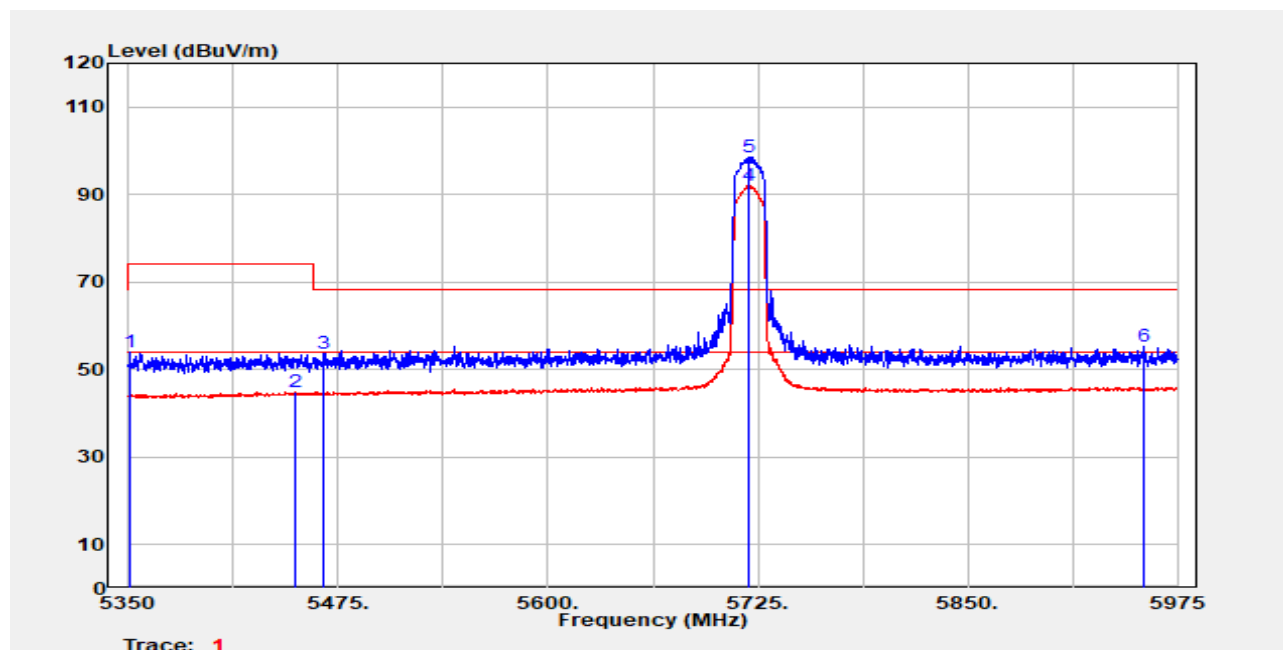
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5400.02	Peak	51.43	2.87	54.30	74.00	-19.70
5446.07	Average	41.79	3.19	44.98	54.00	-9.02
5468.37	Peak	50.45	3.17	53.62	68.20	-14.58
5700.00	Average	95.19	3.75	98.94	-	-
5700.00	Peak	101.78	3.75	105.53	-	-
5726.38	Peak	60.79	3.84	64.63	68.20	-3.57

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5720 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



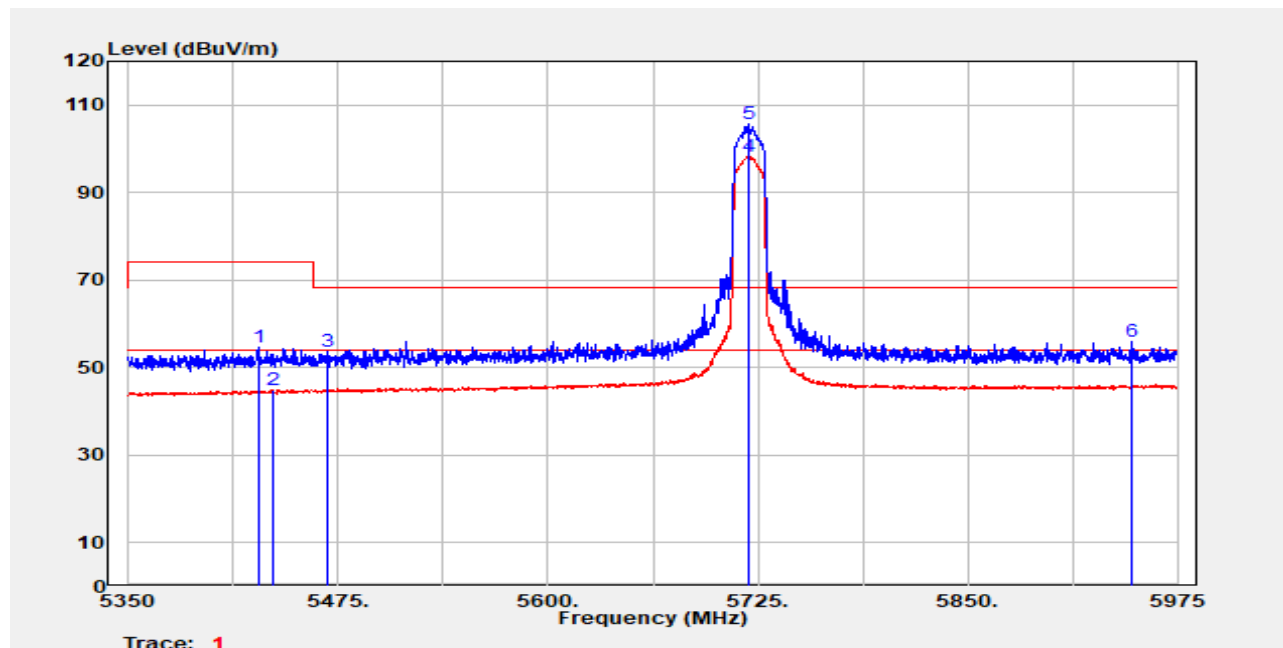
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5350.83	Peak	50.98	2.96	53.94	74.00	-20.06
5448.99	Average	41.67	3.20	44.87	54.00	-9.13
5466.50	Peak	50.60	3.17	53.77	68.20	-14.43
5720.00	Average	88.11	3.82	91.93	-	-
5720.00	Peak	94.67	3.82	98.49	-	-
5955.62	Peak	51.05	4.17	55.22	68.20	-12.98

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5720 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



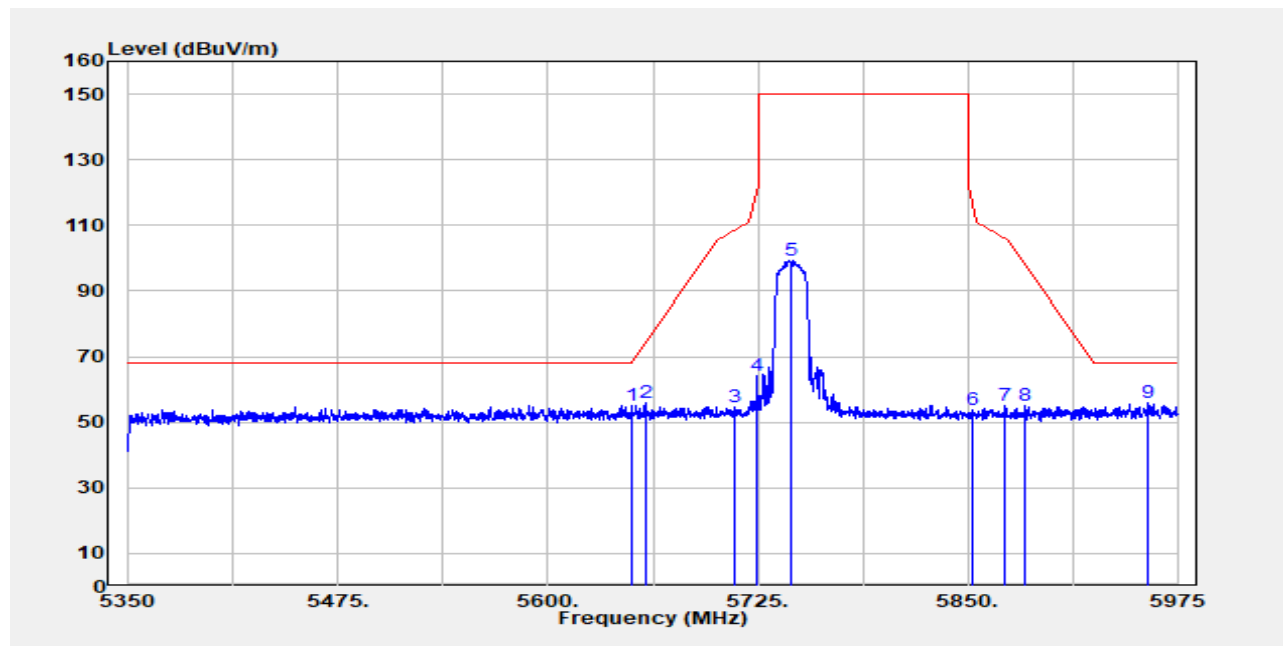
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5427.11	Peak	51.61	3.06	54.67	74.00	-19.33
5436.28	Average	41.88	3.12	45.00	54.00	-9.00
5469.00	Peak	50.55	3.17	53.72	68.20	-14.48
5720.00	Average	94.54	3.82	98.36	-	-
5720.00	Peak	102.03	3.82	105.85	-	-
5947.49	Peak	51.84	4.15	55.99	68.20	-12.21

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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5745 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5649.89	Peak	51.51	3.52	55.03	68.20	-13.17
5657.81	Peak	52.19	3.55	55.74	73.98	-18.24
5710.95	Peak	50.73	3.78	54.51	108.27	-53.76
5724.29	Peak	60.33	3.83	64.16	120.59	-56.43
5745.00	Peak	95.40	3.90	99.30	-	-
5853.08	Peak	50.20	3.74	53.94	115.17	-61.23
5872.67	Peak	51.16	3.81	54.97	105.85	-50.88
5884.35	Peak	51.36	3.85	55.21	98.28	-43.07
5957.91	Peak	51.75	4.18	55.93	68.20	-12.27

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t (886-2) 2299-3279

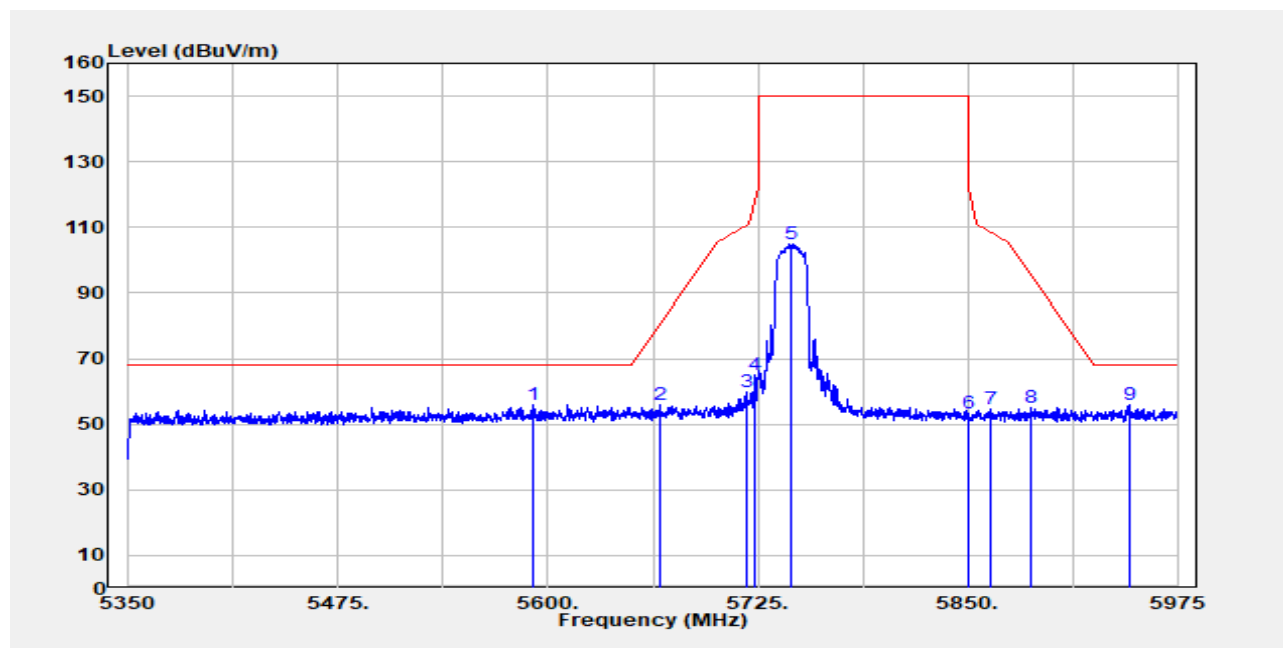
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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5745 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5590.71	Peak	52.84	3.13	55.97	68.20	-12.23
5666.36	Peak	52.16	3.60	55.76	80.30	-24.54
5718.46	Peak	55.82	3.81	59.63	110.37	-50.74
5723.25	Peak	61.09	3.83	64.92	118.21	-53.29
5745.00	Peak	101.23	3.90	105.13	-	-
5850.17	Peak	49.42	3.73	53.15	121.82	-68.67
5863.92	Peak	50.74	3.78	54.52	108.30	-53.78
5887.89	Peak	51.29	3.86	55.15	95.66	-40.51
5946.45	Peak	51.71	4.14	55.85	68.20	-12.35

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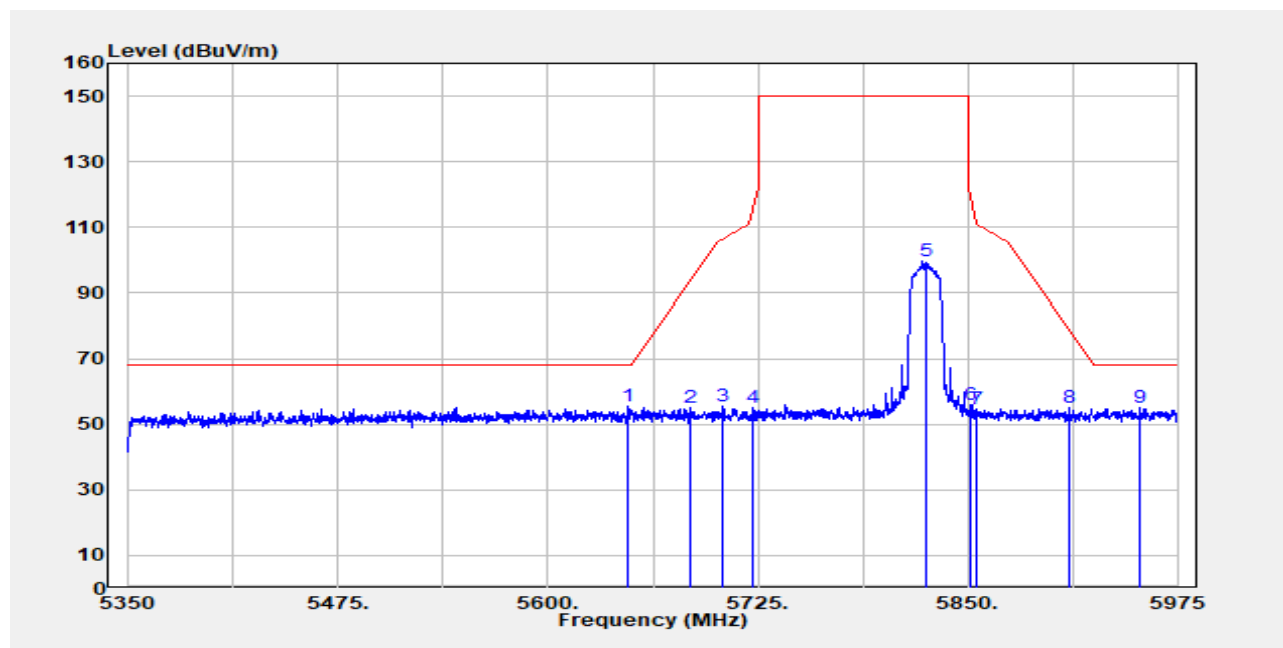
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Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5825 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5647.60	Peak	52.03	3.50	55.53	68.20	-12.67
5685.11	Peak	51.33	3.68	55.01	94.18	-39.17
5704.49	Peak	51.59	3.77	55.36	106.46	-51.10
5722.42	Peak	51.06	3.82	54.88	116.31	-61.43
5825.00	Peak	96.07	3.76	99.83	-	-
5851.21	Peak	52.20	3.73	55.93	119.45	-63.52
5855.38	Peak	50.90	3.74	54.64	110.69	-56.05
5910.81	Peak	51.13	3.95	55.08	78.70	-23.62
5952.28	Peak	50.74	4.17	54.91	68.20	-13.29

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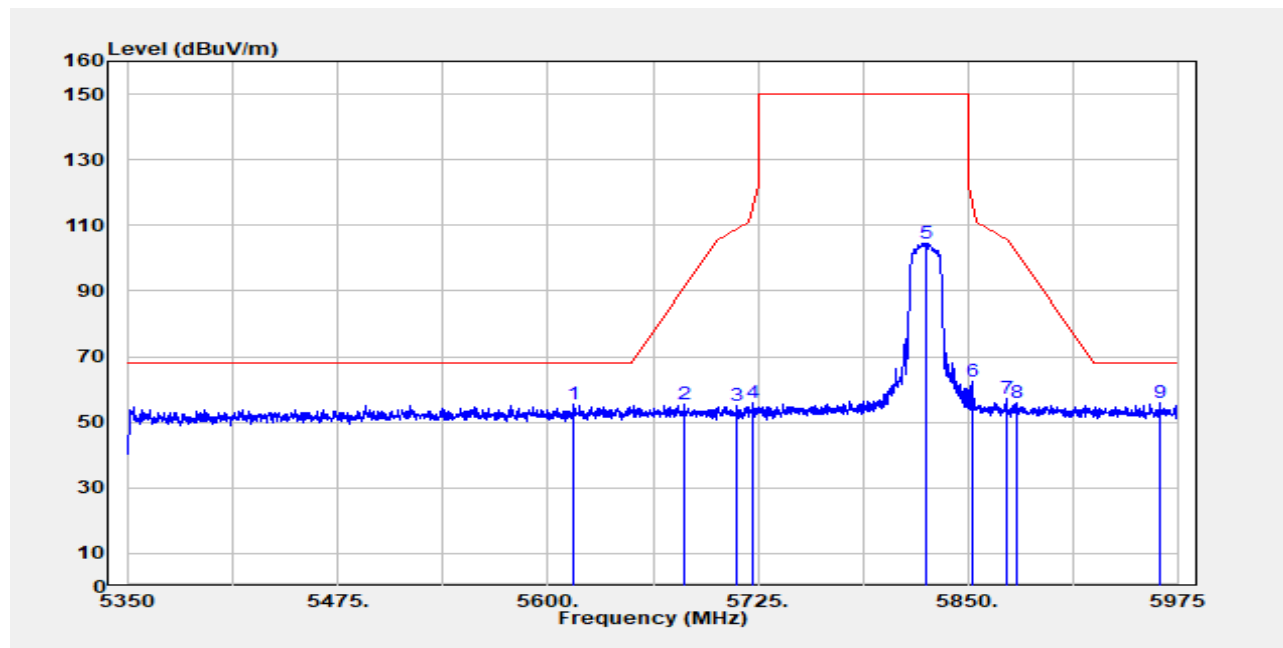
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2403000509ER
Operation Mode :802.11n20
Test Frequency :5825 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5615.51	Peak	52.10	3.27	55.37	68.20	-12.83
5680.94	Peak	51.70	3.66	55.36	91.10	-35.74
5712.20	Peak	51.35	3.78	55.13	108.62	-53.49
5722.21	Peak	52.03	3.82	55.85	115.83	-59.98
5825.00	Peak	100.88	3.76	104.64	-	-
5852.46	Peak	58.84	3.74	62.58	116.59	-54.01
5873.72	Peak	53.32	3.81	57.13	105.56	-48.43
5878.93	Peak	51.95	3.83	55.78	102.29	-46.51
5964.79	Peak	51.53	4.19	55.72	68.20	-12.48

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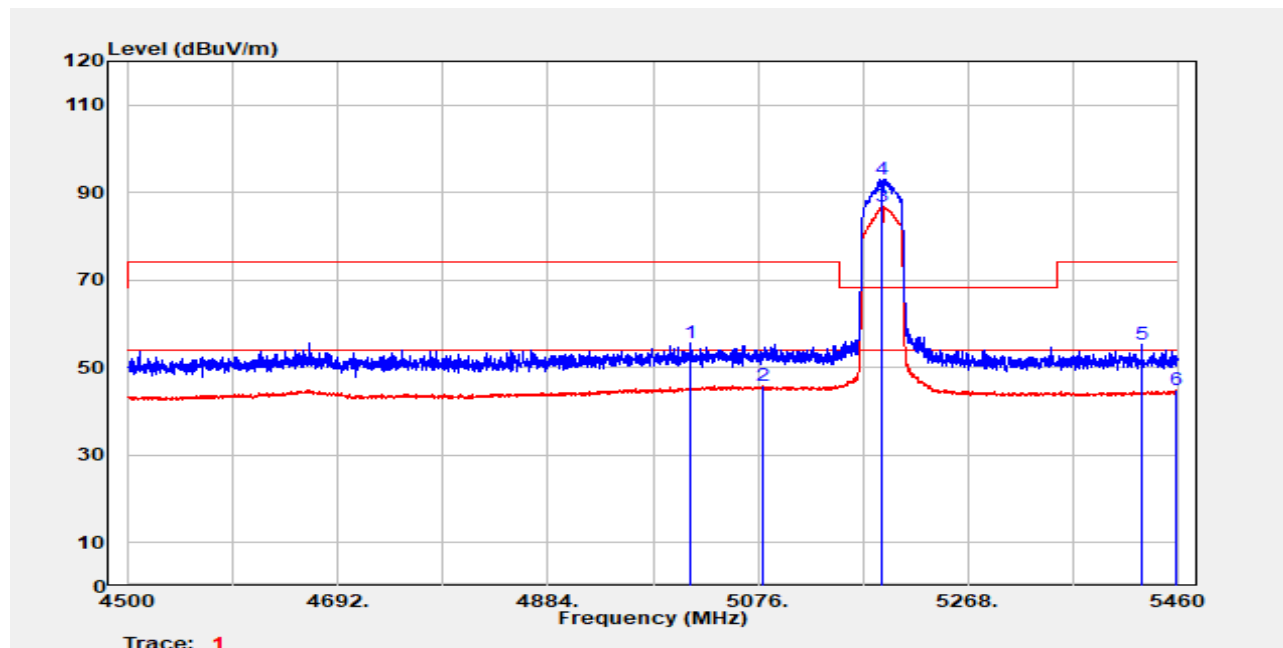
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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5190 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



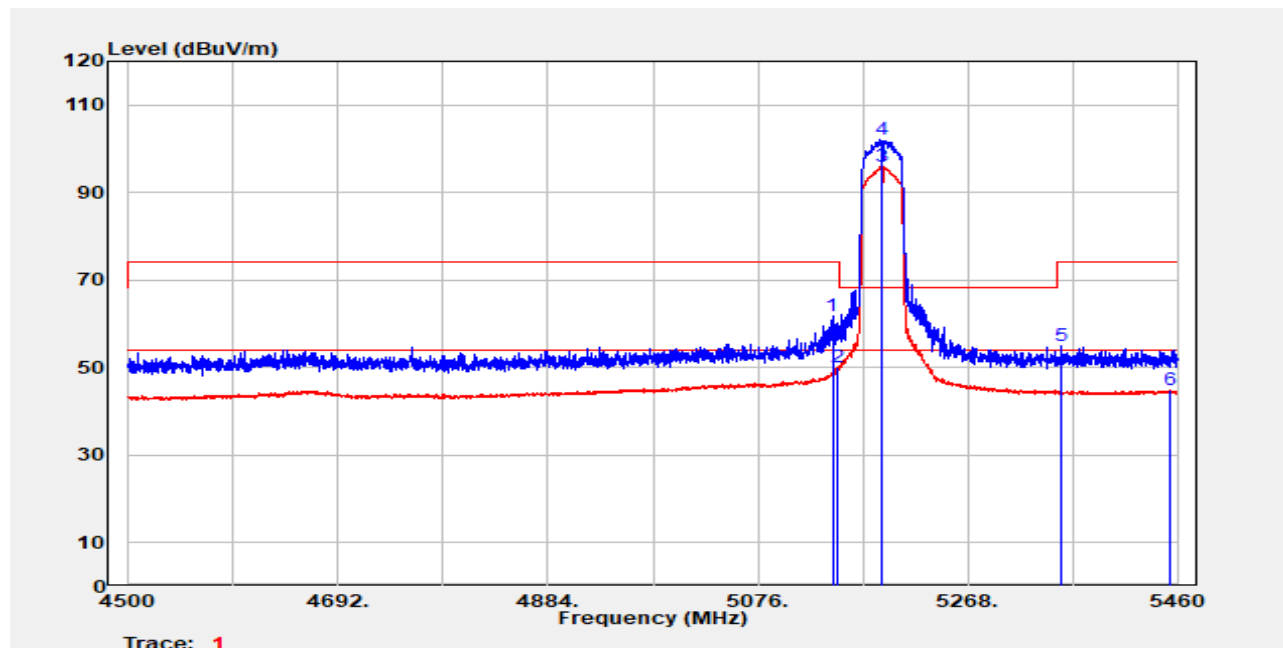
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5014.93	Peak	52.94	2.82	55.76	74.00	-18.24
5080.23	Average	42.78	3.01	45.79	54.00	-8.21
5190.00	Average	84.02	2.69	86.71	-	-
5190.00	Peak	90.38	2.69	93.07	-	-
5428.07	Peak	52.07	3.07	55.14	74.00	-18.86
5459.52	Average	41.55	3.19	44.74	54.00	-9.26

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5190 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



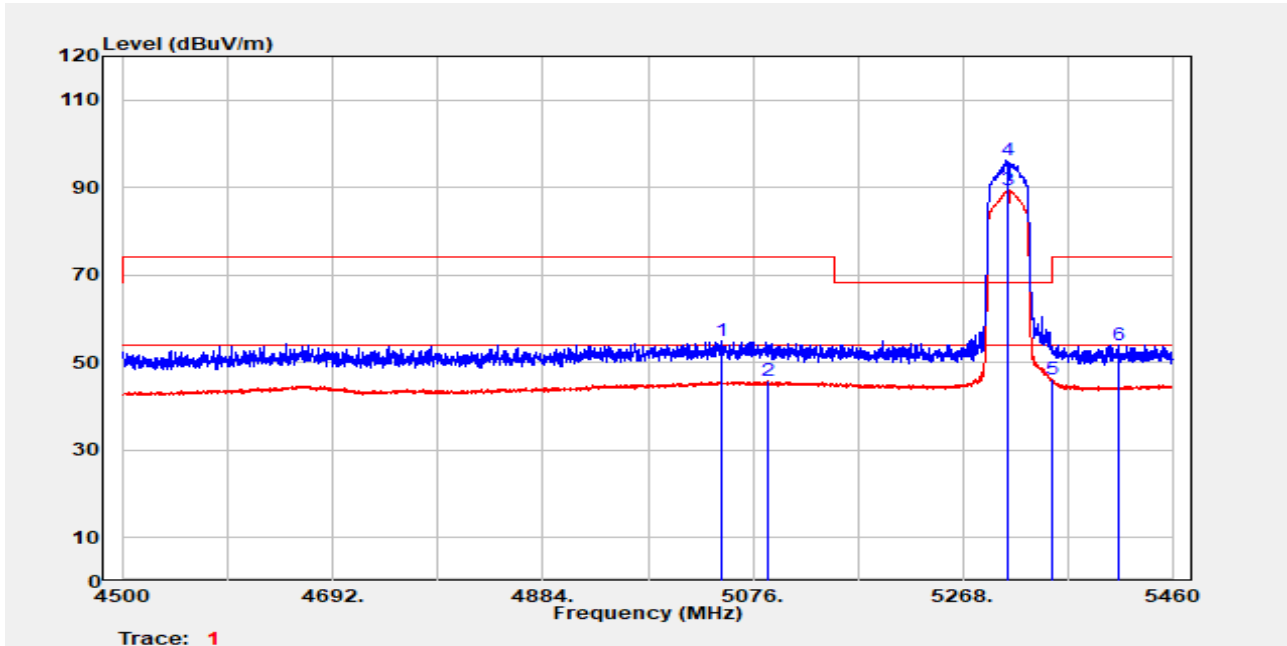
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5144.32	Peak	58.93	2.82	61.75	74.00	-12.25
5149.12	Average	47.34	2.81	50.15	54.00	-3.85
5190.00	Average	93.20	2.69	95.89	-	-
5190.00	Peak	99.39	2.69	102.08	-	-
5354.13	Peak	51.90	2.95	54.85	74.00	-19.15
5453.04	Average	41.53	3.20	44.73	54.00	-9.27

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5310 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



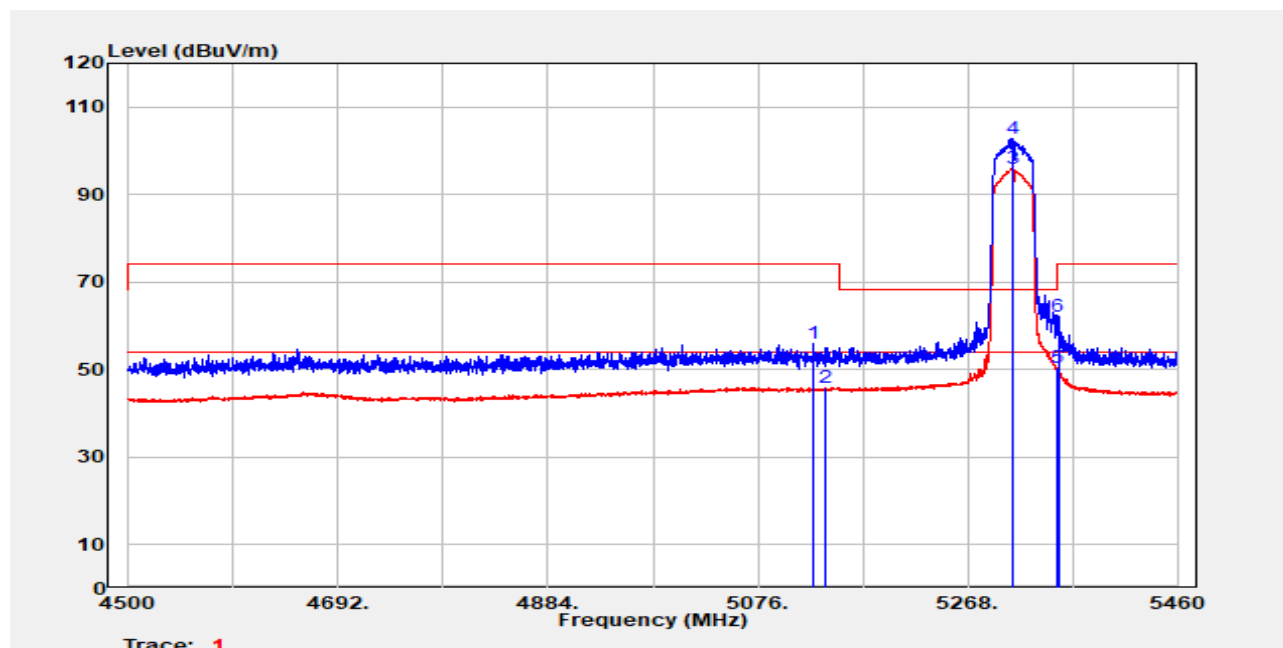
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5047.82	Peak	51.75	3.08	54.83	74.00	-19.17
5090.31	Average	42.76	2.98	45.74	54.00	-8.26
5310.00	Average	86.65	2.67	89.32	-	-
5310.00	Peak	93.55	2.67	96.22	-	-
5350.05	Average	43.34	2.96	46.30	54.00	-7.70
5410.79	Peak	51.17	2.94	54.11	74.00	-19.89

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5310 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



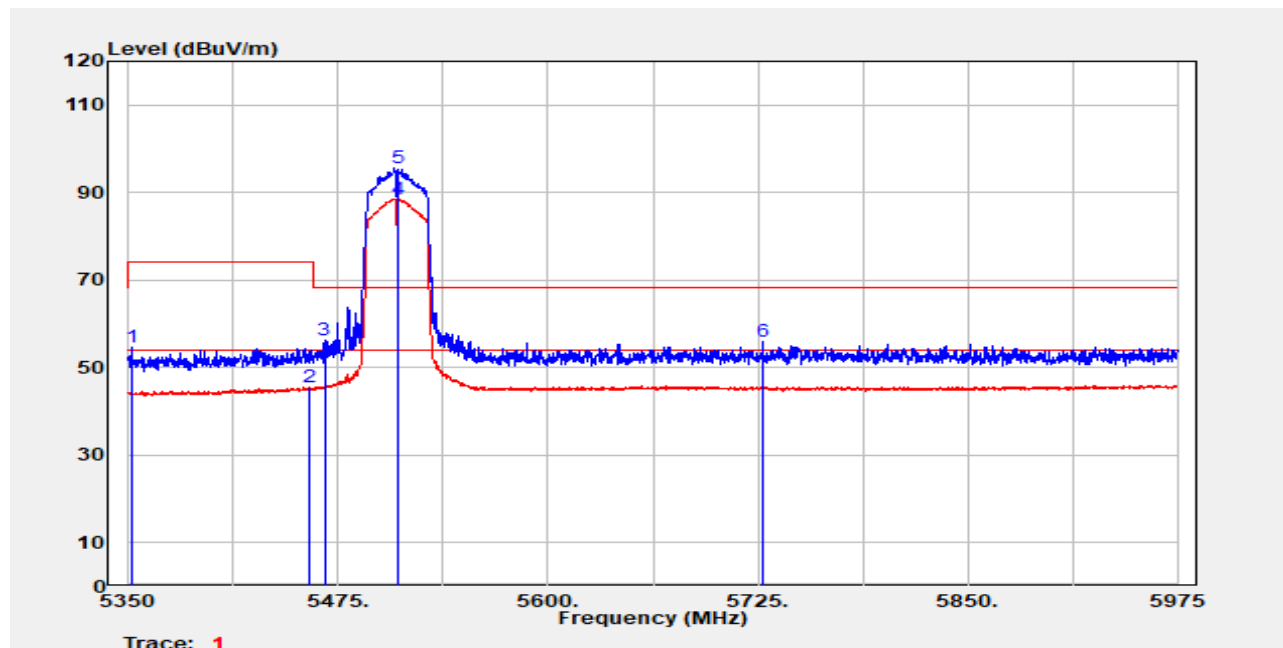
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5127.04	Peak	52.99	2.88	55.87	74.00	-18.13
5137.36	Average	43.04	2.85	45.89	54.00	-8.11
5310.00	Average	93.22	2.67	95.89	-	-
5310.00	Peak	100.21	2.67	102.88	-	-
5350.53	Average	47.37	2.96	50.33	54.00	-3.67
5351.01	Peak	59.27	2.96	62.23	74.00	-11.77

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5510 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



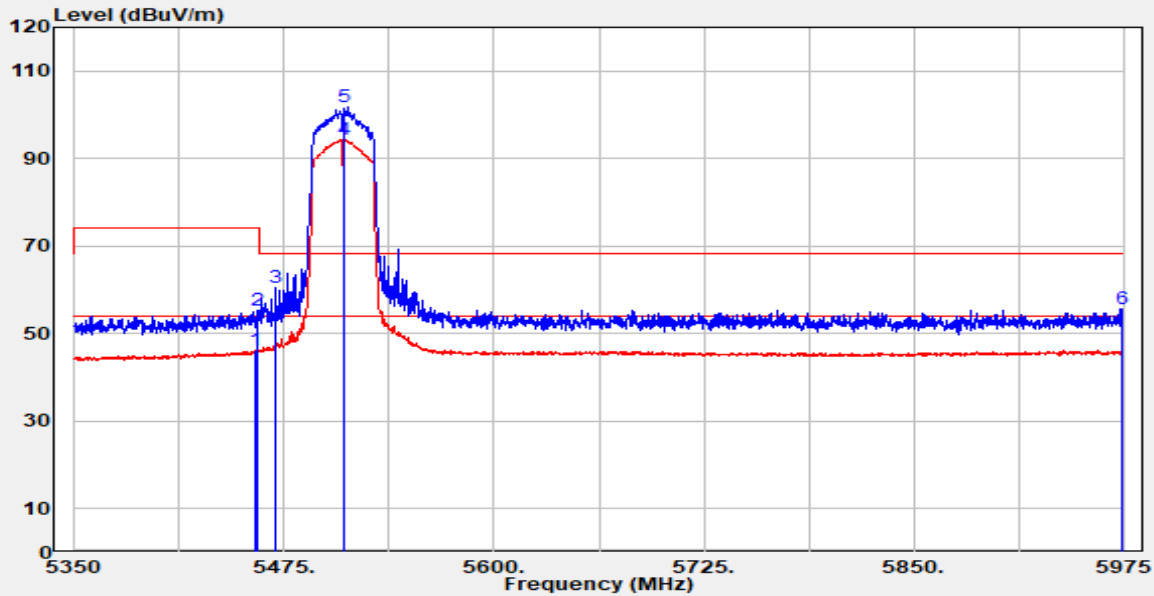
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5352.08	Peak	51.84	2.96	54.80	74.00	-19.20
5457.54	Average	42.21	3.19	45.40	54.00	-8.60
5466.71	Peak	53.00	3.17	56.17	68.20	-12.03
5510.00	Average	85.51	3.10	88.61	-	-
5510.00	Peak	92.54	3.10	95.64	-	-
5727.63	Peak	52.15	3.85	56.00	68.20	-12.20

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Report Number :TERF2403000509ER
 Operation Mode :802.11n40
 Test Frequency :5510 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 1
 Test Date :2024-03-11
 Temp./Humi. :24.6°C/54%
 Antenna Pol. :Horizontal
 Engineer :Cooper Hsu



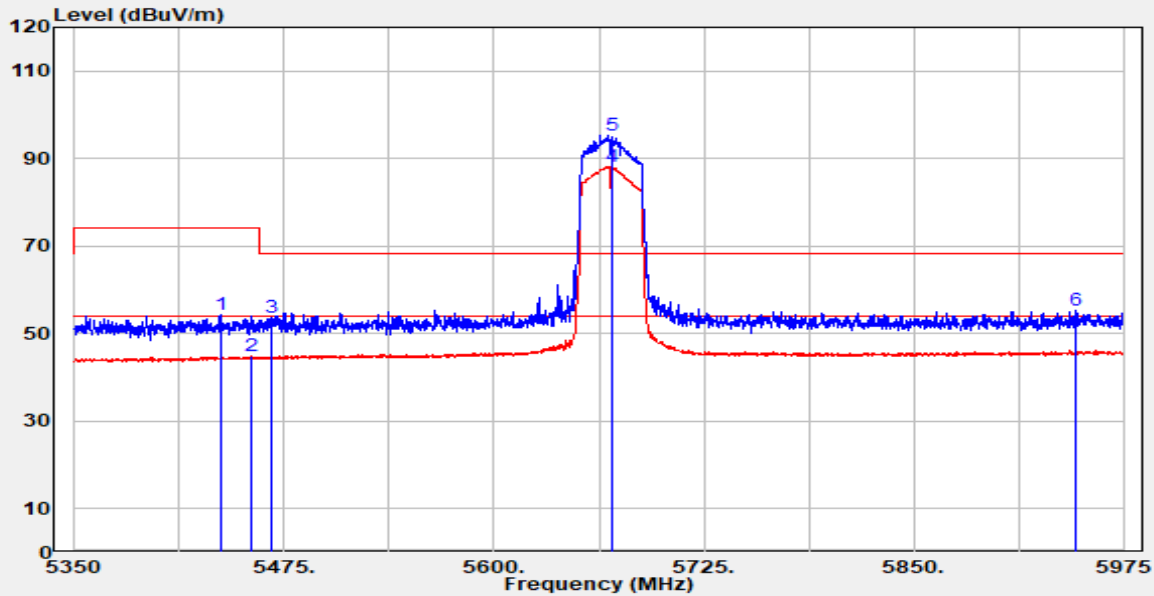
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5457.33	Average	42.88	3.19	46.07	54.00	-7.93
5459.00	Peak	52.12	3.19	55.31	74.00	-18.69
5470.04	Peak	57.39	3.17	60.56	68.20	-7.64
5510.00	Average	91.11	3.10	94.21	-	-
5510.00	Peak	98.56	3.10	101.66	-	-
5973.75	Peak	51.48	4.21	55.69	68.20	-12.51

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5670 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



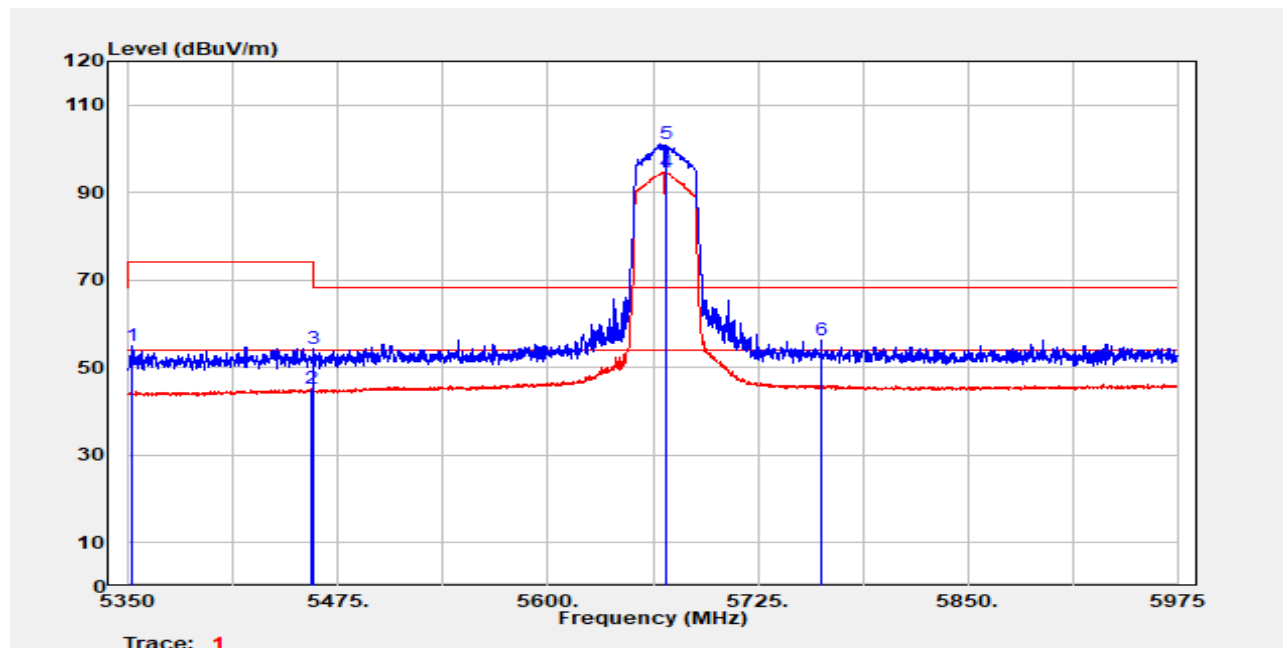
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5436.70	Peak	51.27	3.12	54.39	74.00	-19.61
5455.45	Average	41.55	3.20	44.75	54.00	-9.25
5467.75	Peak	50.47	3.17	53.64	68.20	-14.56
5670.00	Average	84.57	3.61	88.18	-	-
5670.00	Peak	91.62	3.61	95.23	-	-
5947.07	Peak	51.23	4.14	55.37	68.20	-12.83

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5670 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



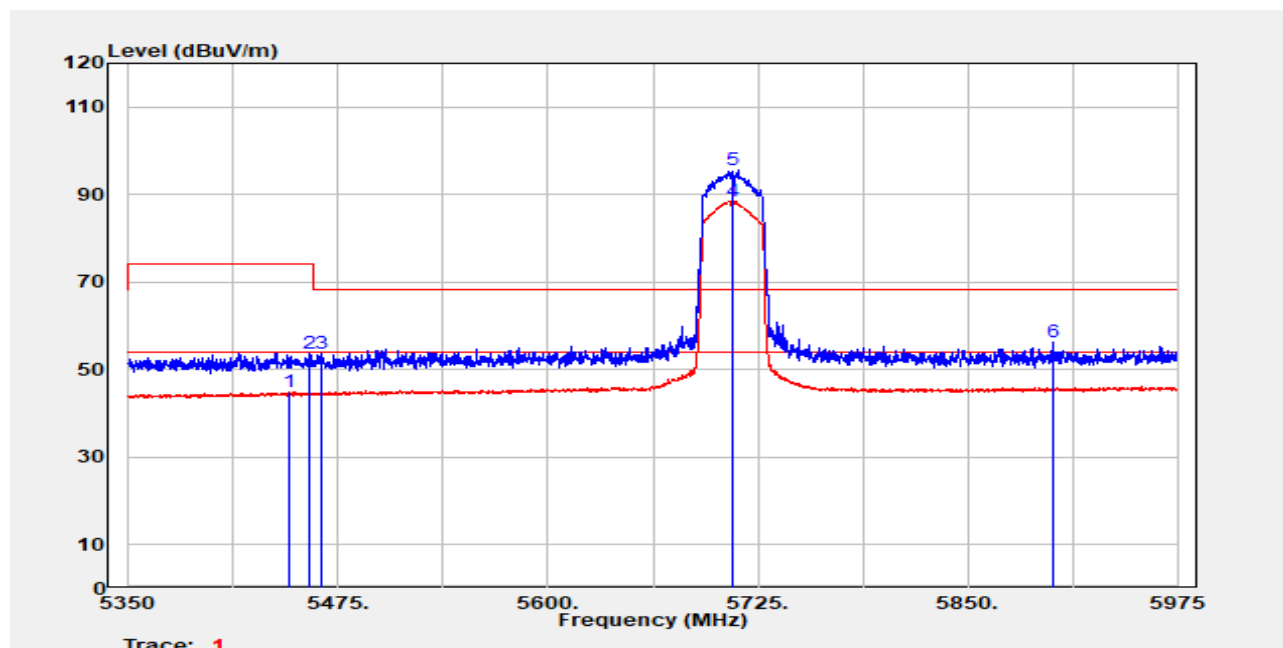
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5352.50	Peak	52.01	2.96	54.97	74.00	-19.03
5458.79	Average	41.87	3.19	45.06	54.00	-8.94
5460.25	Peak	51.08	3.19	54.27	68.20	-13.93
5670.00	Average	90.97	3.61	94.58	-	-
5670.00	Peak	97.54	3.61	101.15	-	-
5763.05	Peak	52.52	3.88	56.40	68.20	-11.80

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5710 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



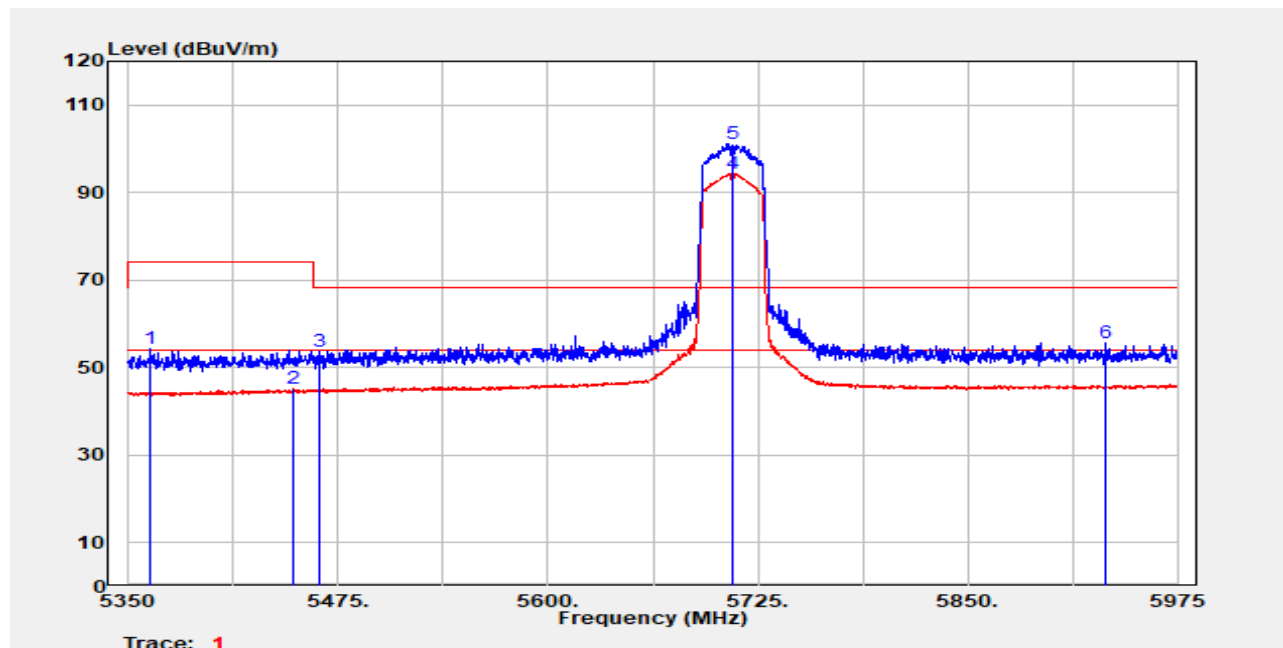
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5446.07	Average	41.58	3.19	44.77	54.00	-9.23
5457.74	Peak	50.45	3.19	53.64	74.00	-20.36
5465.25	Peak	50.51	3.18	53.69	68.20	-14.51
5710.00	Average	84.81	3.78	88.59	-	-
5710.00	Peak	91.79	3.78	95.57	-	-
5900.81	Peak	52.22	3.90	56.12	68.20	-12.08

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5710 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



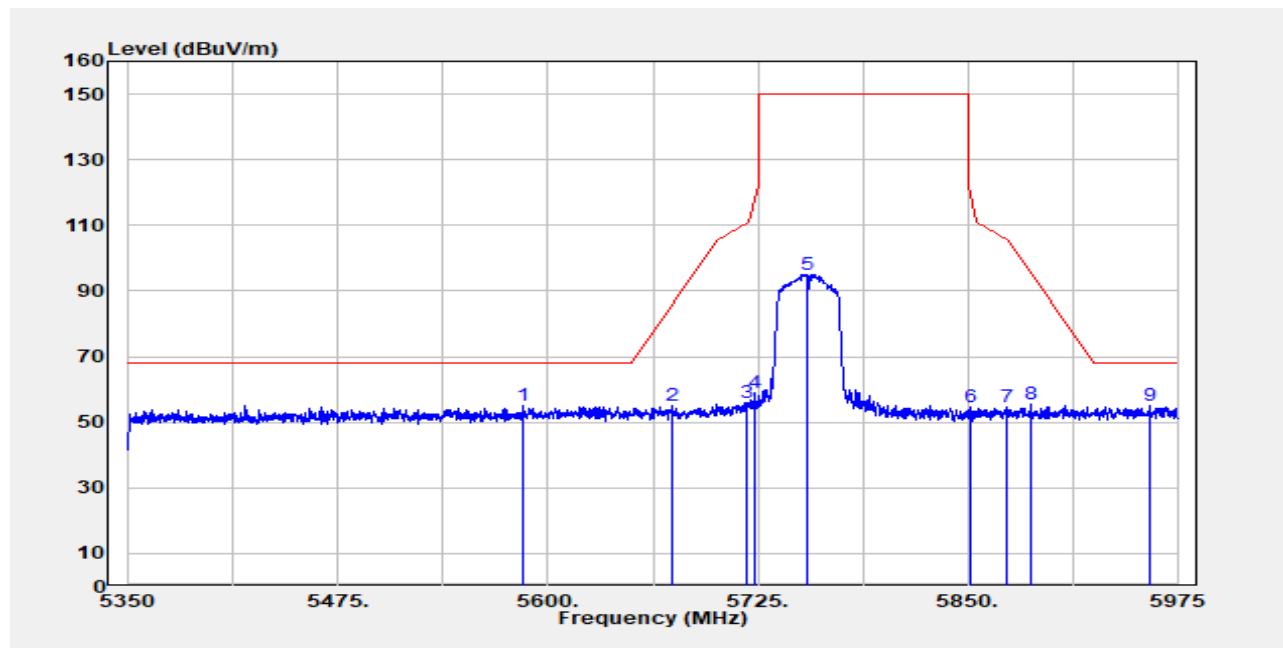
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5362.92	Peak	51.28	2.94	54.22	74.00	-19.78
5448.37	Average	41.90	3.20	45.10	54.00	-8.90
5463.37	Peak	50.38	3.18	53.56	68.20	-14.64
5710.00	Average	90.57	3.78	94.35	-	-
5710.00	Peak	97.31	3.78	101.09	-	-
5932.07	Peak	51.57	4.07	55.64	68.20	-12.56

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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5755 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5585.08	Peak	51.89	3.13	55.02	68.20	-13.18
5673.86	Peak	51.42	3.63	55.05	85.85	-30.80
5717.83	Peak	52.33	3.81	56.14	110.19	-54.05
5723.46	Peak	55.19	3.83	59.02	118.68	-59.66
5755.00	Peak	91.25	3.90	95.15	-	-
5851.21	Peak	50.70	3.73	54.43	119.45	-65.02
5873.30	Peak	50.69	3.81	54.50	105.68	-51.18
5887.68	Peak	51.75	3.86	55.61	95.82	-40.21
5958.33	Peak	50.79	4.18	54.97	68.20	-13.23

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台灣檢驗科技股份有限公司

t (886-2) 2299-3279

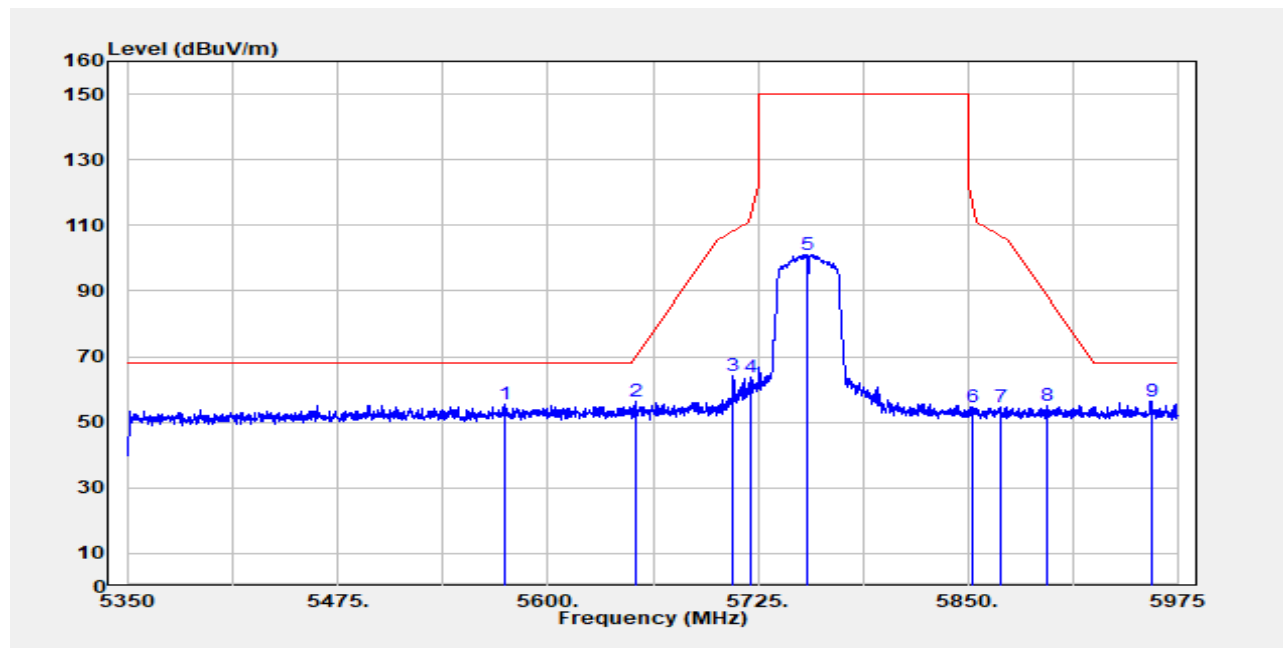
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Member of SGS Group

Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5755 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5574.24	Peak	52.41	3.10	55.51	68.20	-12.69
5651.98	Peak	52.66	3.52	56.18	69.66	-13.48
5710.54	Peak	60.19	3.78	63.97	108.15	-44.18
5720.33	Peak	59.78	3.82	63.60	111.56	-47.96
5755.00	Peak	97.29	3.90	101.19	-	-
5852.67	Peak	50.77	3.74	54.51	116.12	-61.61
5869.34	Peak	50.94	3.80	54.74	106.78	-52.04
5897.06	Peak	51.08	3.89	54.97	88.88	-33.91
5959.37	Peak	52.39	4.17	56.56	68.20	-11.64

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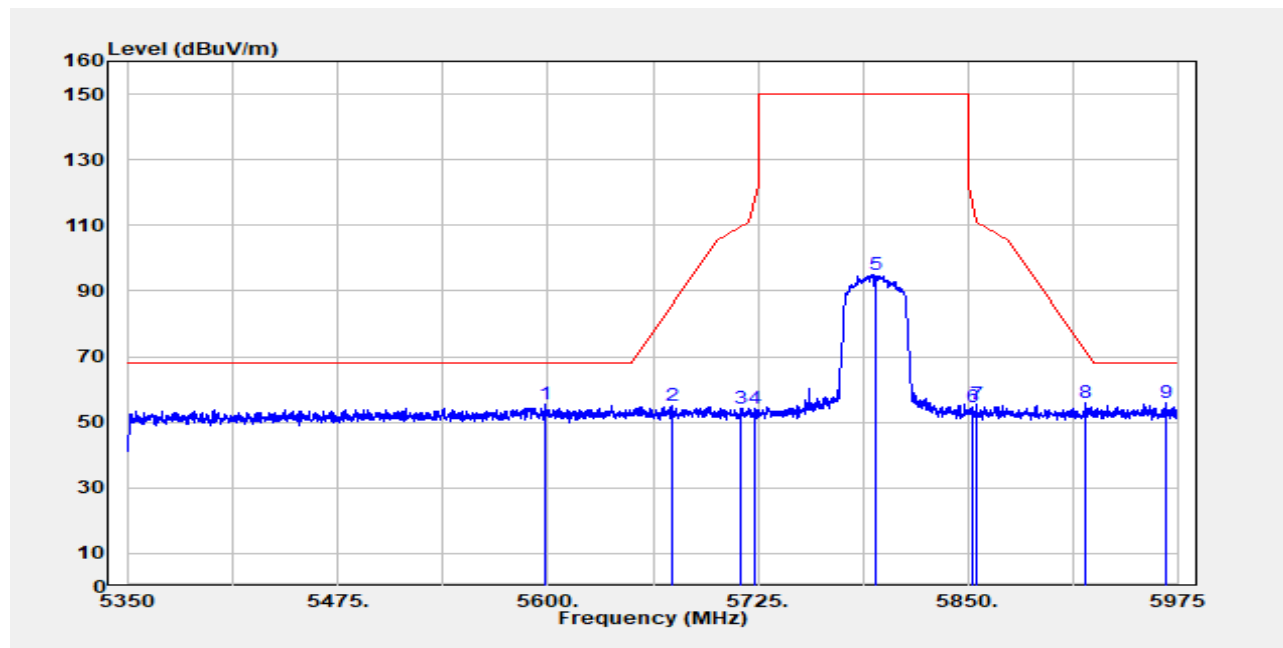
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Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5795 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5598.42	Peak	52.18	3.15	55.33	68.20	-12.87
5674.48	Peak	51.46	3.63	55.09	86.32	-31.23
5715.33	Peak	50.62	3.80	54.42	109.49	-55.07
5723.46	Peak	50.40	3.83	54.23	118.68	-64.45
5795.00	Peak	91.24	3.80	95.04	-	-
5852.67	Peak	50.97	3.74	54.71	116.12	-61.41
5855.59	Peak	51.63	3.74	55.37	110.64	-55.27
5920.40	Peak	51.97	4.01	55.98	71.61	-15.63
5967.91	Peak	51.67	4.19	55.86	68.20	-12.34

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SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

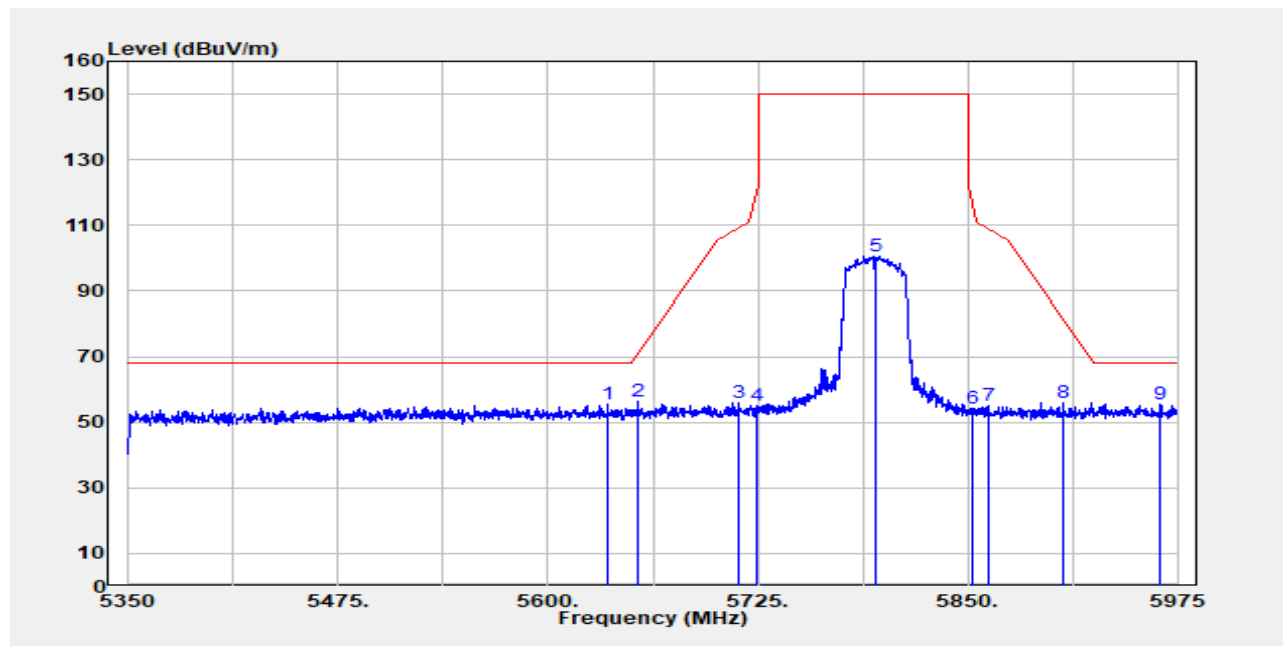
f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Report Number :TERF2403000509ER
Operation Mode :802.11n40
Test Frequency :5795 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5635.30	Peak	52.07	3.41	55.48	68.20	-12.72
5653.44	Peak	52.69	3.52	56.21	70.74	-14.53
5713.46	Peak	52.03	3.79	55.82	108.97	-53.15
5723.88	Peak	51.20	3.83	55.03	119.64	-64.61
5795.00	Peak	96.87	3.80	100.67	-	-
5853.50	Peak	50.47	3.74	54.21	114.22	-60.01
5862.05	Peak	51.12	3.77	54.89	108.83	-53.94
5906.85	Peak	52.09	3.94	56.03	81.63	-25.60
5965.21	Peak	51.29	4.19	55.48	68.20	-12.72

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台灣檢驗科技股份有限公司

t (886-2) 2299-3279

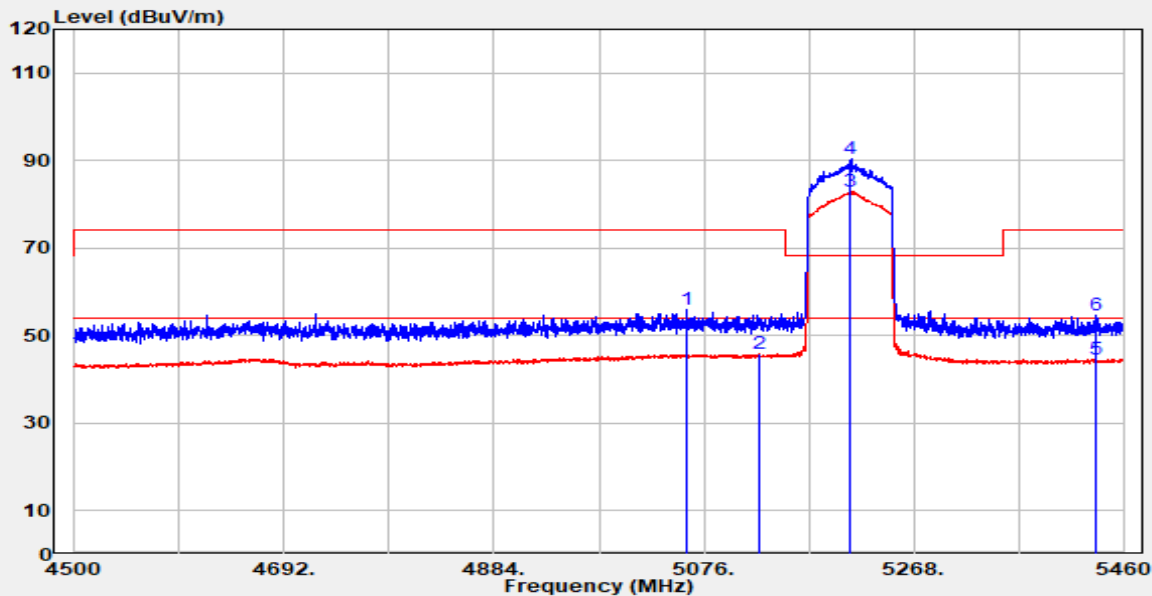
f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Report Number :TERF2403000509ER
Operation Mode :802.11ac80
Test Frequency :5210 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



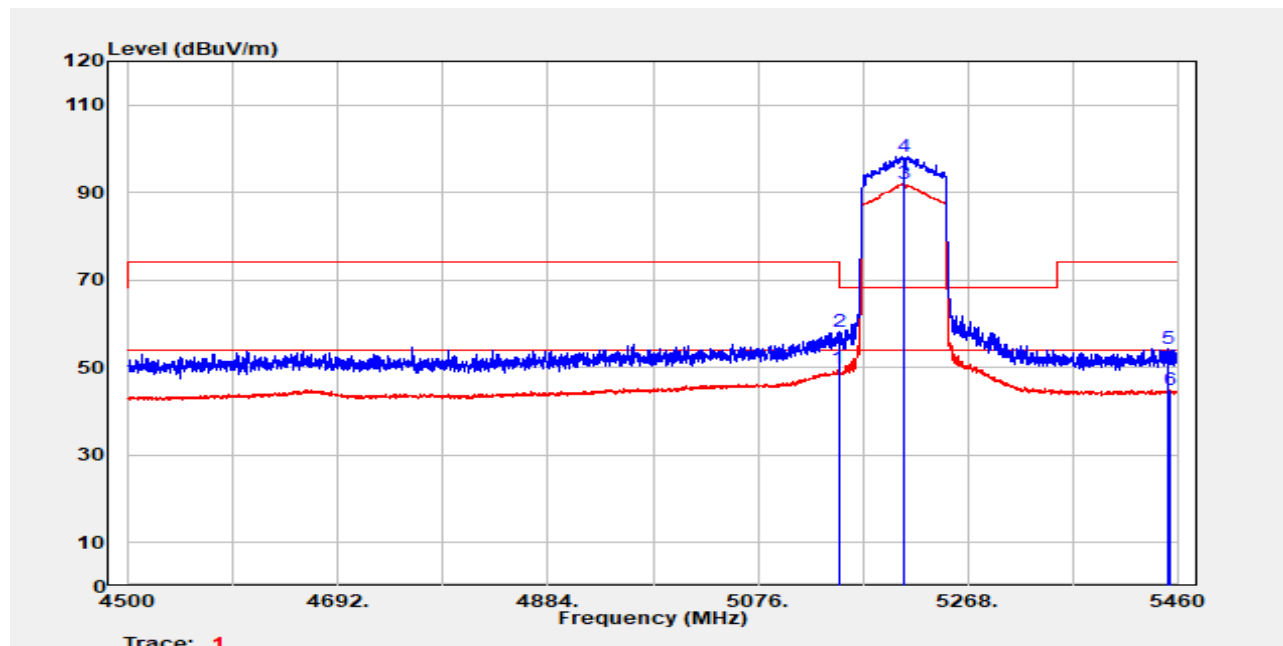
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5059.82	Peak	52.97	3.07	56.04	74.00	-17.96
5127.28	Average	42.87	2.88	45.75	54.00	-8.25
5210.00	Average	80.18	2.66	82.84	-	-
5210.00	Peak	87.77	2.66	90.43	-	-
5435.27	Average	41.47	3.11	44.58	54.00	-9.42
5435.27	Peak	51.38	3.11	54.49	74.00	-19.51

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Report Number :TERF2403000509ER
Operation Mode :802.11ac80
Test Frequency :5210 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



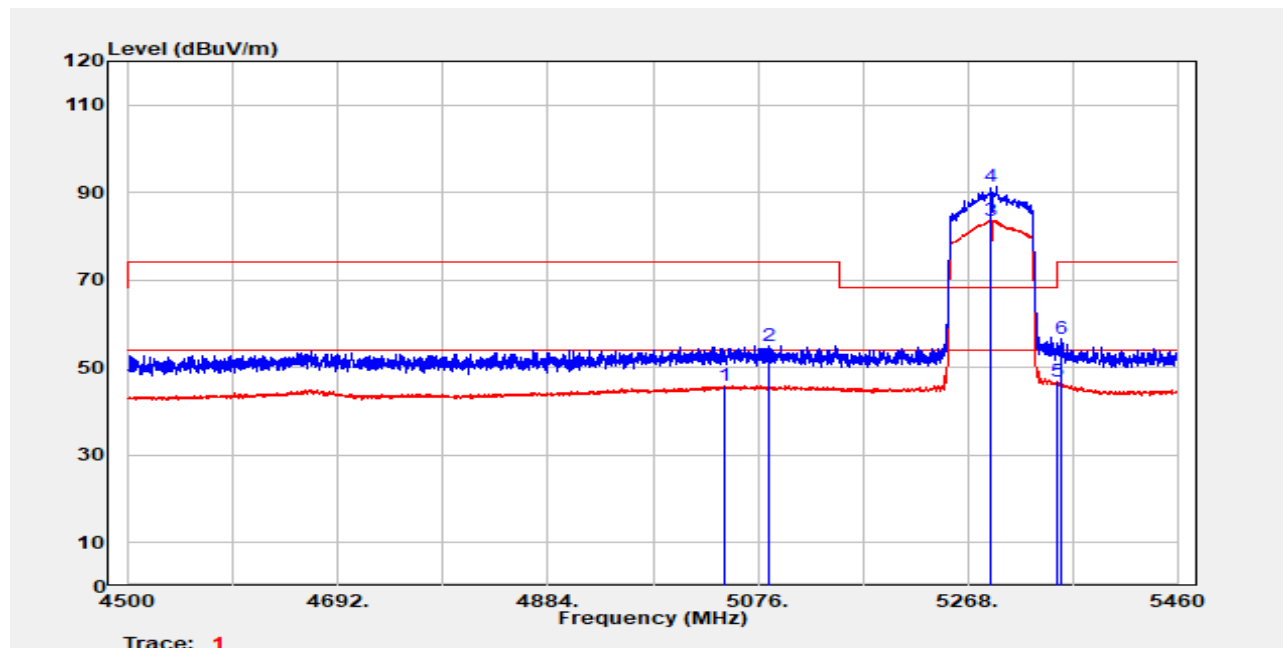
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5149.84	Average	46.92	2.81	49.73	54.00	-4.27
5149.08	Peak	55.35	2.80	58.15	74.00	-15.85
5210.00	Average	89.24	2.66	91.90	-	-
5210.00	Peak	95.54	2.66	98.20	-	-
5451.36	Peak	51.19	3.21	54.40	74.00	-19.60
5452.56	Average	41.81	3.20	45.01	54.00	-8.99

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Report Number :TERF2403000509ER
Operation Mode :802.11ac80
Test Frequency :5290 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



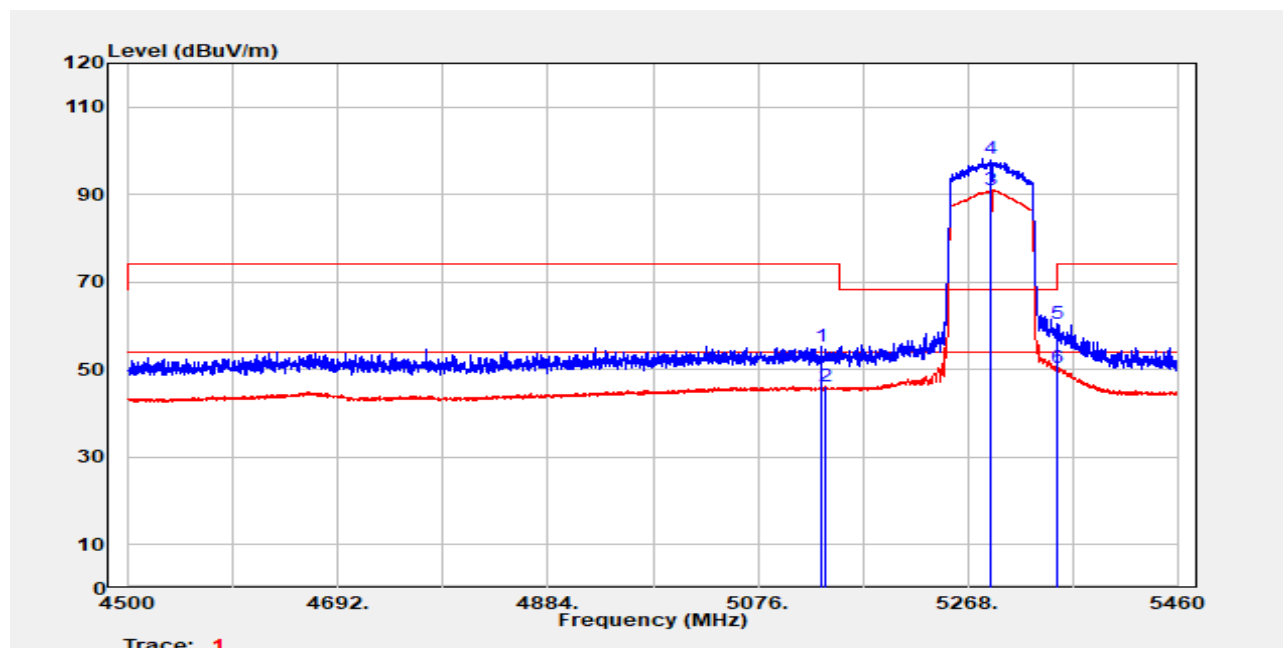
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5046.38	Average	42.73	3.07	45.80	54.00	-8.20
5085.99	Peak	52.08	3.00	55.08	74.00	-18.92
5290.00	Average	81.01	2.61	83.62	-	-
5290.00	Peak	88.83	2.61	91.44	-	-
5350.05	Average	43.72	2.96	46.68	54.00	-7.32
5354.61	Peak	53.64	2.95	56.59	74.00	-17.41

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Report Number :TERF2403000509ER
Operation Mode :802.11ac80
Test Frequency :5290 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



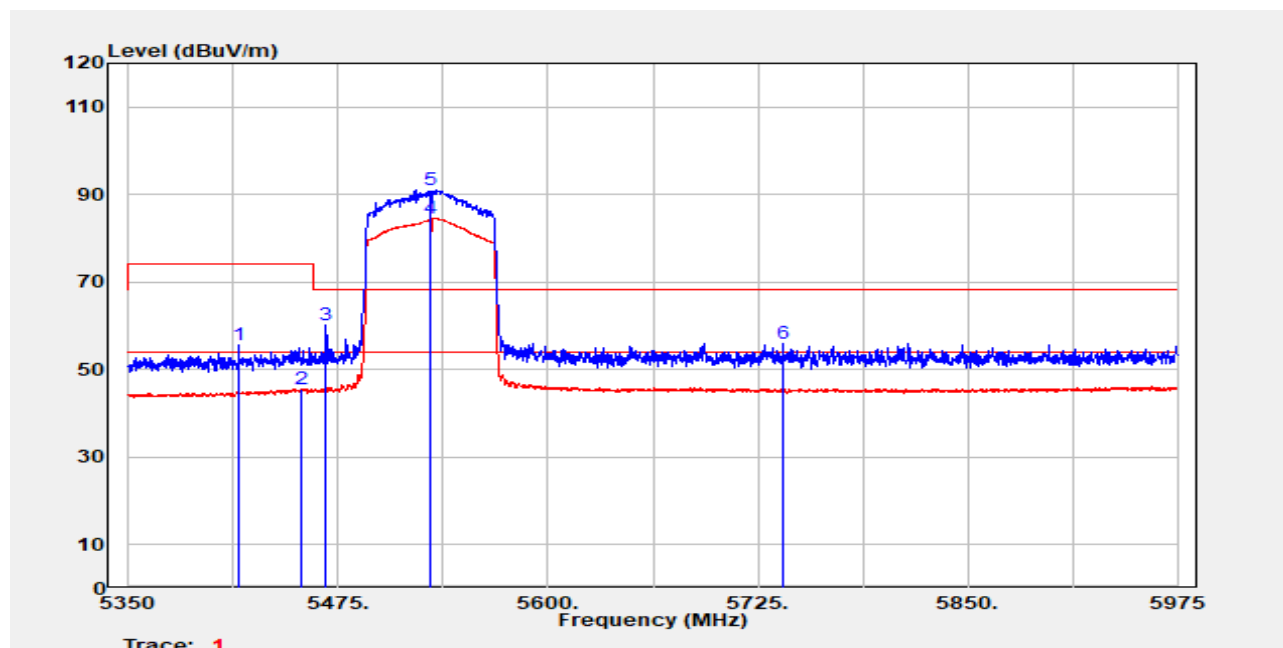
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5134.00	Peak	52.51	2.85	55.36	74.00	-18.64
5138.32	Average	43.27	2.85	46.12	54.00	-7.88
5290.00	Average	88.39	2.61	91.00	-	-
5290.00	Peak	95.44	2.61	98.05	-	-
5350.05	Peak	57.49	2.96	60.45	74.00	-13.55
5350.77	Average	47.59	2.96	50.55	54.00	-3.45

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Report Number :TERF2403000509ER
Operation Mode :802.11ac80
Test Frequency :5530 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



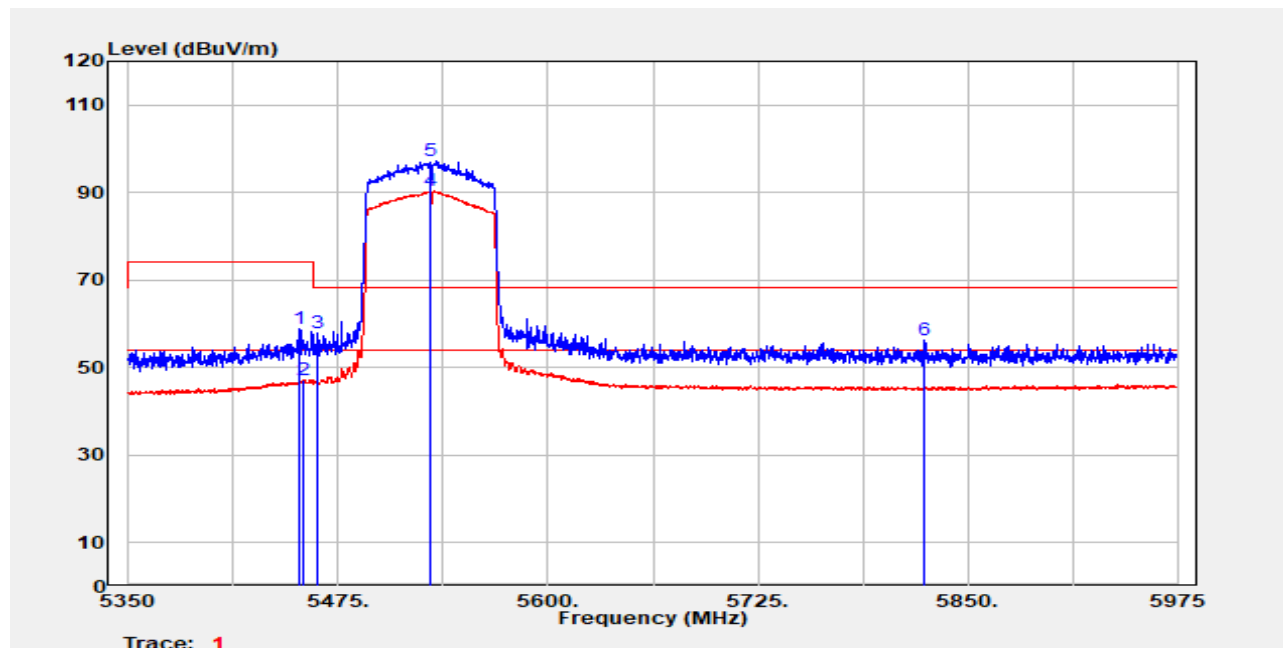
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5415.65	Peak	52.53	2.97	55.50	74.00	-18.50
5452.33	Average	42.33	3.20	45.53	54.00	-8.47
5467.75	Peak	57.07	3.17	60.24	68.20	-7.96
5530.00	Average	81.62	3.08	84.70	-	-
5530.00	Peak	88.02	3.08	91.10	-	-
5739.92	Peak	52.20	3.88	56.08	68.20	-12.12

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Report Number :TERF2403000509ER
Operation Mode :802.11ac80
Test Frequency :5530 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



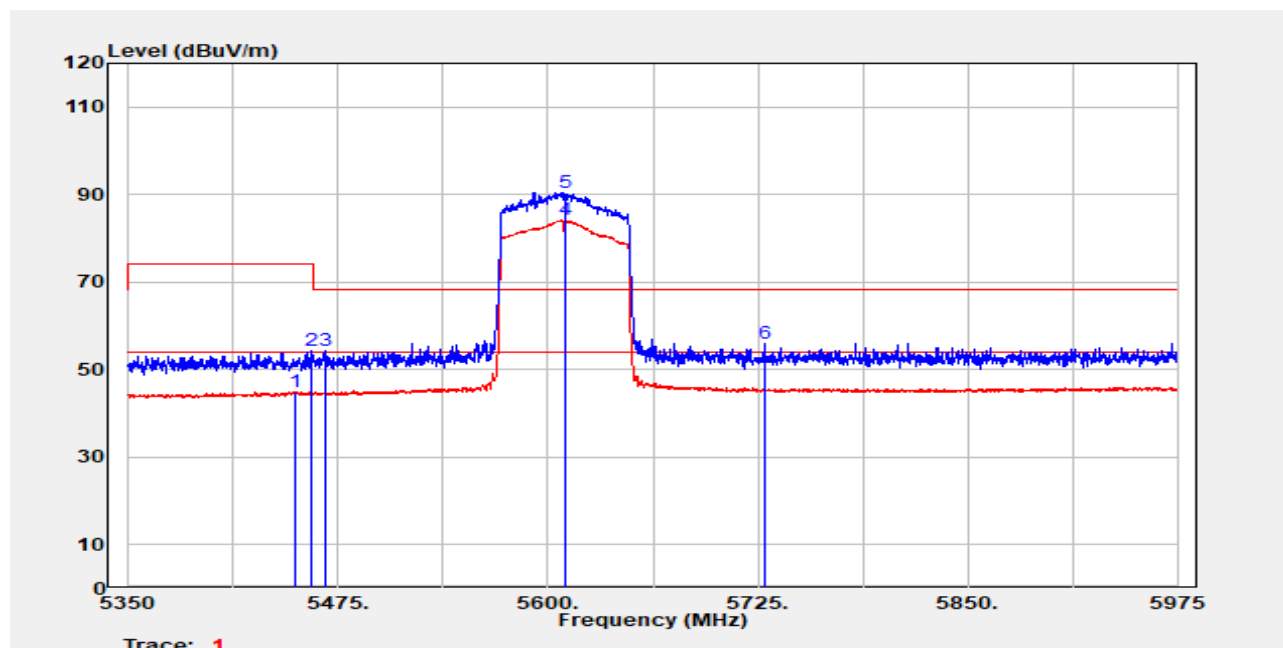
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5452.12	Peak	55.62	3.21	58.83	74.00	-15.17
5453.99	Average	44.03	3.20	47.23	54.00	-6.77
5462.95	Peak	54.65	3.18	57.83	68.20	-10.37
5530.00	Average	87.19	3.08	90.27	54.00	-
5530.00	Peak	94.09	3.08	97.17	68.20	-
5824.53	Peak	52.41	3.76	56.17	68.20	-12.03

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Report Number :TERF2403000509ER
 Operation Mode :802.11ac80
 Test Frequency :5610 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 1
 Test Date :2024-03-11
 Temp./Humi. :24.6°C/54%
 Antenna Pol. :Vertical
 Engineer :Cooper Hsu



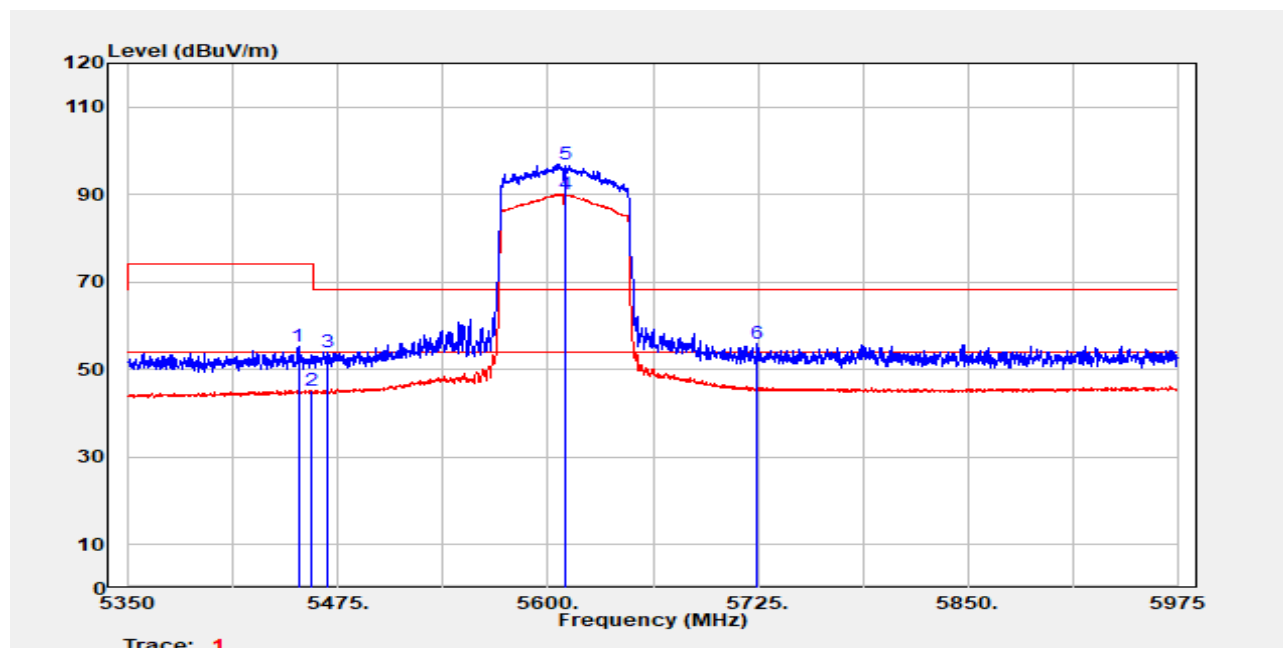
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5449.41	Average	41.78	3.21	44.99	54.00	-9.01
5459.20	Peak	50.98	3.19	54.17	74.00	-19.83
5467.75	Peak	51.17	3.17	54.34	68.20	-13.86
5610.00	Average	81.08	3.23	84.31	54.00	-
5610.00	Peak	87.33	3.23	90.56	68.20	-
5728.88	Peak	52.11	3.85	55.96	68.20	-12.24

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Report Number :TERF2403000509ER
Operation Mode :802.11ac80
Test Frequency :5610 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.6°C/54%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



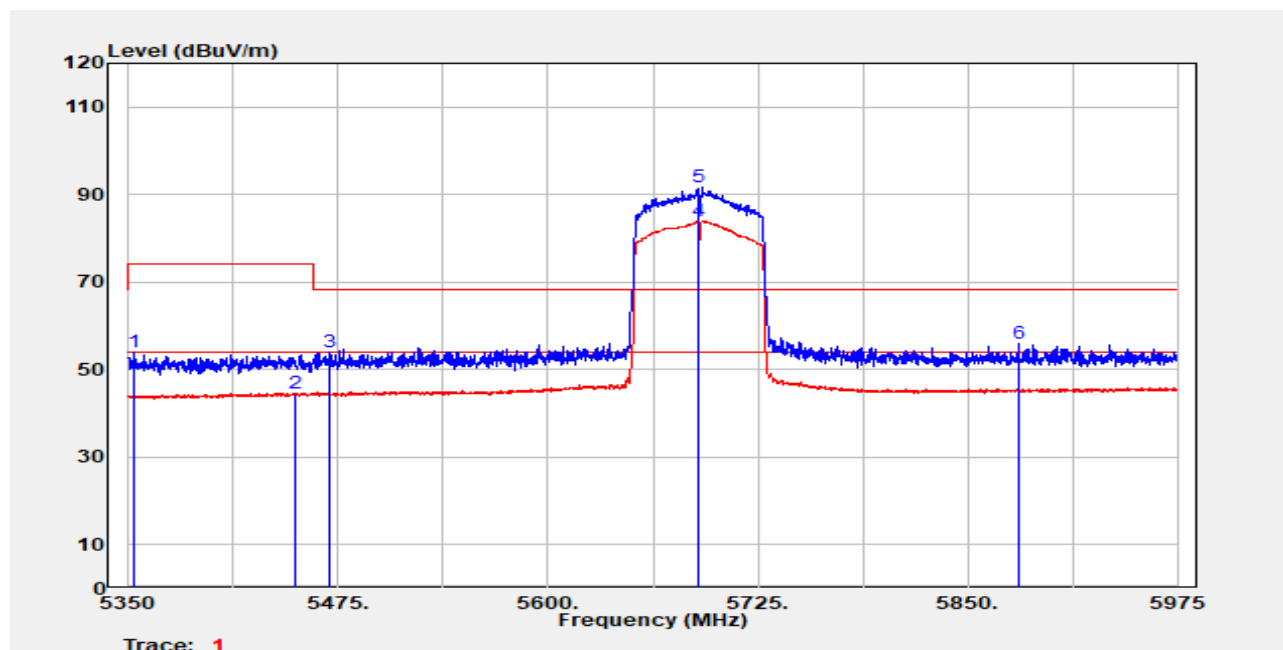
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5451.08	Peak	52.01	3.21	55.22	74.00	-18.78
5458.58	Average	42.01	3.19	45.20	54.00	-8.80
5468.17	Peak	50.80	3.17	53.97	68.20	-14.23
5610.00	Average	86.86	3.23	90.09	-	-
5610.00	Peak	93.80	3.23	97.03	-	-
5725.00	Peak	52.14	3.83	55.97	68.20	-12.23

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Report Number :TERF2403000509ER
Operation Mode :802.11ac80
Test Frequency :5690 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.0°C/55%
Antenna Pol. :Vertical
Engineer :Cooper Hsu



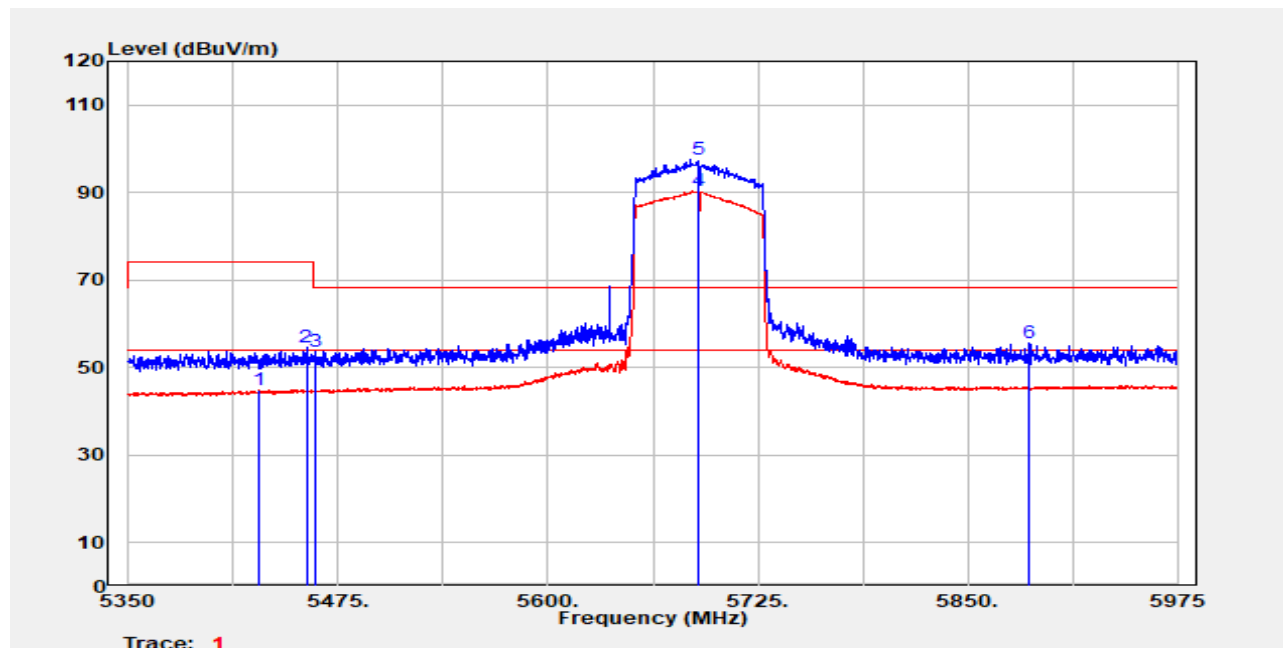
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5352.92	Peak	50.98	2.96	53.94	74.00	-20.06
5449.41	Average	41.45	3.21	44.66	54.00	-9.34
5469.62	Peak	50.91	3.17	54.08	68.20	-14.12
5690.00	Average	80.33	3.70	84.03	-	-
5690.00	Peak	87.87	3.70	91.57	-	-
5880.18	Peak	52.18	3.83	56.01	68.20	-12.19

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Report Number :TERF2403000509ER
Operation Mode :802.11ac80
Test Frequency :5690 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.0°C/55%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



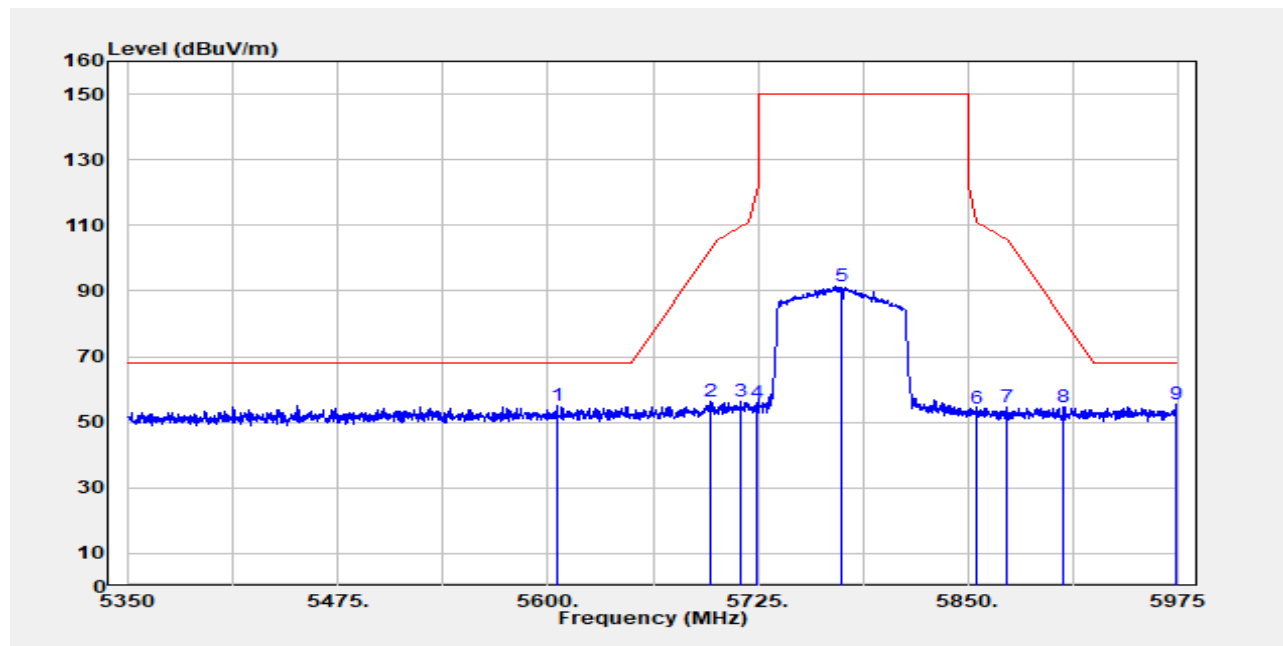
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
5427.32	Average	41.79	3.06	44.85	54.00	-9.15
5455.87	Peak	51.34	3.20	54.54	74.00	-19.46
5461.29	Peak	50.56	3.19	53.75	68.20	-14.45
5690.00	Average	86.55	3.70	90.25	-	-
5690.00	Peak	93.72	3.70	97.42	-	-
5886.43	Peak	51.65	3.86	55.51	68.20	-12.69

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Report Number :TERF2403000509ER
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 1
 Test Date :2024-03-11
 Temp./Humi. :24.0°C/55%
 Antenna Pol. :Vertical
 Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5605.71	Peak	51.72	3.19	54.91	68.20	-13.29
5696.37	Peak	52.75	3.74	56.49	102.51	-46.02
5714.50	Peak	52.57	3.80	56.37	109.26	-52.89
5724.92	Peak	51.94	3.83	55.77	122.01	-66.24
5775.00	Peak	87.72	3.85	91.57	-	-
5854.96	Peak	50.61	3.74	54.35	110.89	-56.54
5873.51	Peak	50.86	3.81	54.67	105.62	-50.95
5907.48	Peak	50.90	3.94	54.84	81.17	-26.33
5974.58	Peak	51.23	4.21	55.44	68.20	-12.76

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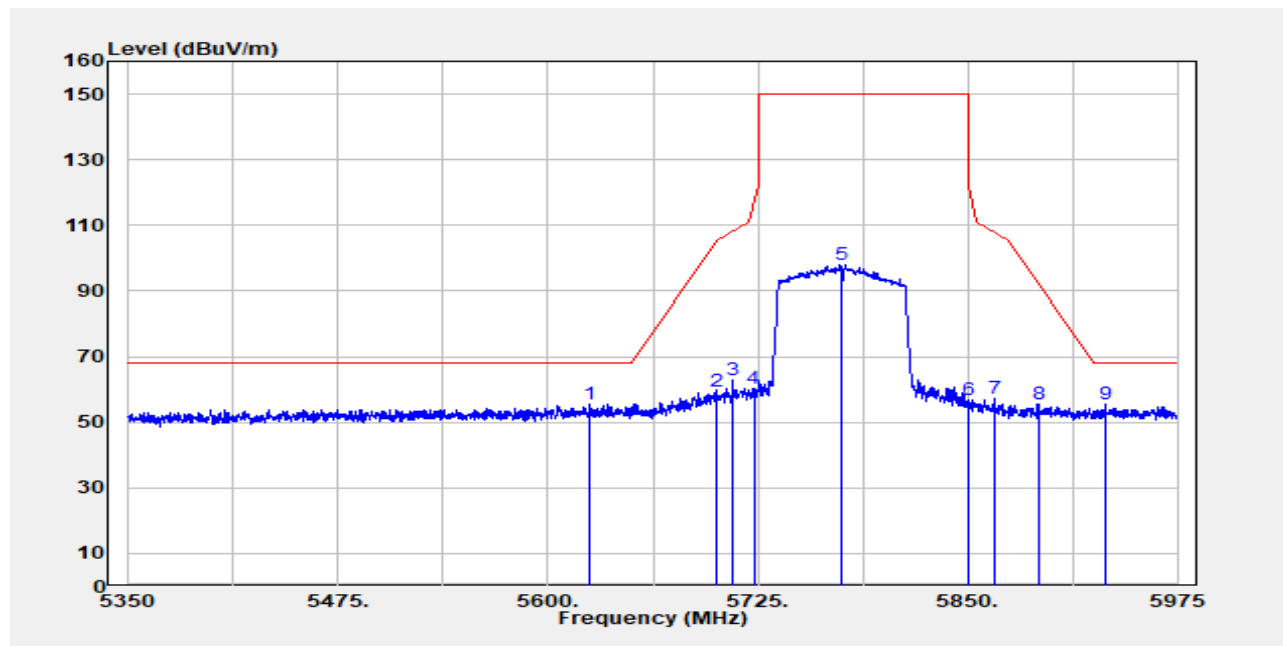
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Report Number :TERF2403000509ER
Operation Mode :802.11ac80
Test Frequency :5775 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 1
Test Date :2024-03-11
Temp./Humi. :24.0°C/55%
Antenna Pol. :Horizontal
Engineer :Cooper Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5625.09	Peak	52.28	3.33	55.61	68.20	-12.59
5699.91	Peak	55.50	3.75	59.25	105.13	-45.88
5709.91	Peak	58.92	3.79	62.71	107.98	-45.27
5722.62	Peak	56.65	3.83	60.48	116.78	-56.30
5775.00	Peak	94.06	3.85	97.91	-	-
5850.79	Peak	53.20	3.73	56.93	120.39	-63.46
5866.21	Peak	53.25	3.78	57.03	107.66	-50.63
5892.06	Peak	51.59	3.87	55.46	92.58	-37.12
5932.28	Peak	51.63	4.07	55.70	68.20	-12.50

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12 TRANSMISSION IN THE ABSENCE OF DATA

12.1 Standard Applicable

According to §15.407(c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

12.2 Result

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ASK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

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13 ANTENNA REQUIREMENT

13.1 Standard Applicable

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

13.2 Antenna Connected Construction:

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

~ End of Report ~

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