

**ELECTROMAGNETIC EMISSIONS
COMPLIANCE REPORT**

Applicant: Arduino S.r.l.
Via Andrea Appiani, 25, 20900 Monza, Italy

Manufacturer: WNC Corporation
20 Park Avenue II Hsinchu Science Park, Hsinchu 300,
Taiwan

EUT Description: Arduino UNO Q

Brand Name: Arduino

Model No./ISED HVIN: ABX00162

Family Model No.: ABX00173
/ Family ISED HVIN:

Model Difference: Please refer to section 1.4 for more details

ISED PMN: UNO Q

Report Number: TERF2511003774E2

FCC ID 2AN9S-ABX00162

IC: 26792-ABX00162

Date of EUT Received: September 16, 2025

Date of Test: November 7, 2025 ~ November 10, 2025

Issue Date: November 25, 2025

Approved By

Arno Hsieh

Arno Hsieh

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 and the energy emitted by the sample EUT comply with FCC rule part §15.407, ISED RSS-247.

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

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2511003774E2	00	Original	November 25, 2025	Susan Lin	

Note:

- 1、The remark "*" indicates modification of the report upon requests from certification body.
- 2、Variant information of model numbers is provided by the applicant, test results of this report are applicable to the sample EUT(s) received. And are assessed as electrically identical in RF characteristics, therefore, no further assessment required for the variant(s).

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1 GENERAL INFORMATION

1.1 Product Description

EUT Description	Arduino UNO Q
Brand Name	Arduino
Model No. /ISED HVIN	ABX00162
Family Model No.: / Family ISED HVIN:	ABX00173
Model Difference:	Please refer to section 1.4 for more details
Hardware Version	N/A
Firmware Version	N/A
EUT Series No.	14B5CD11811D
Power Supply	5Vdc
Test Software (Name/Version)	CMD

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

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1.3 Antenna Designation

Ant. Type	Brand	Part No.	Freq. (MHz)	Peak Gain(dBi)
PCB	WNC	DMVQ-AD01_SGB	5150~5250	0.97
			5250~5350	1.4
			5470~5725	2.05
			5725~5850	2.09
PCB	WNC	DMVQ-AD01_SGD	5150~5250	1.15
			5250~5350	1.67
			5470~5725	1.70
			5725~5850	3.12

Note:

1. Pre-scanned was done on the above antennas, measurements were demonstrated by using the antenna with the highest gain as the worst case scenarios.
2. The antenna information is provided by the applicant. The laboratory does not verify the accuracy of this information, and all test results related to antenna characteristics are based solely on the data supplied. Responsibility for the authenticity and accuracy of these specifications rests entirely with the party who provided the information.
3. The antenna complies with part 15.203 requirement and no consideration of replacement. Please see EUT photo for details.

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1.4 Model Difference

The differences between models can be found in the table below:

Models *	M/N number	eMMC	Antenna Part No.
ABX00162	PCB ver.SGB	Max. 16GB	DMVQ-AD01_SGB
ABX00162	PCB ver.SGD or PCB ver.0GA **	Max. 16GB	DMVQ-AD01_SGD
ABX00173	--	Max. 32GB	DMVQ-AD01_SGD

Note:

* Model ABX00162 (PCB ver.SGB) and Model ABX00162 (PCB ver.SGD or PCB ver.0GA) are identical except for the antenna and have added a resistor (R2517: 0R1J).

Model ABX00162 (PCB ver.SGB) and Model ABX00173 are identical except for the antenna and eMMC capacity and have added a resistor (R2517: 0R1J).

Model ABX00162 (PCB ver.SGD or PCB ver.0GA) and Model ABX00173 are identical except for the eMMC capacity.

** Model ABX00162 (PCB ver.SGD) and Model ABX00162 (PCB ver.0GA) are identical except for the M/N number.

Refer to photos.

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1.5 FCC Rated Power

Wi-Fi	Frequency Range	Channels	EIRP/Avg	Rated Power(EIRP/Avg) (dBm) (Worst Case)
802.11a20 802.11n_HT20 802.11ac_VHT20	5180~5240	4	Avg	14.07 dBm
	5260~5320	4	Avg	12.98 dBm
	5500~5720	12	Avg	14.68 dBm
	5745~5825	5	Avg	15.88 dBm
802.11n_HT40 802.11ac_VHT40	5190~5230	2	Avg	14.03 dBm
	5270~5310	2	Avg	13.32 dBm
	5510~5710	6	Avg	14.90 dBm
	5755~5795	2	Avg	15.94 dBm
802.11ac_VHT80	5210	1	Avg	13.10 dBm
	5290	1	Avg	12.71 dBm
	5530~5690	3	Avg	14.28 dBm
	5775	1	Avg	15.39 dBm

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1.6 ISED Rated Power

Wi-Fi	Frequency Range	Channels	EIRP/Avg	Rated Power(EIRP/Avg) (dBm) (Worst Case)	Rated Power(EIRP/ Avg) (W)
802.11a20 802.11n_HT20 802.11ac_VHT20	5180~5240	4	EIRP	15.22 dBm	0.033
	5260~5320	4	Avg	12.98 dBm	0.019
	5500~5720	12	Avg	14.38 dBm	0.027
	5745~5825	5	Avg	14.68 dBm	0.029
802.11n_HT40 802.11ac_VHT40	5190~5230	2	EIRP	15.18 dBm	0.032
	5270~5310	2	Avg	13.32 dBm	0.021
	5510~5710	6	Avg	14.18 dBm	0.026
	5755~5795	2	Avg	15.94 dBm	0.039
802.11ac_VHT80	5210	1	EIRP	14.25 dBm	0.026
	5290	1	Avg	12.71 dBm	0.018
	5530~5690	3	Avg	14.28 dBm	0.026
	5775	1	Avg	15.39 dBm	0.035

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1.7 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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1.8 EUT Availability and The Worst Test Modes

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. Power verification is the same as the original.
4. 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	
V	802.11 a	V	Ch0		Ch1		Ch2		Ch3	V	1TX		1TX
V	802.11 n	V	Ch0		Ch1		Ch2		Ch3	V	1TX		1TX
V	802.11 ac	V	Ch0		Ch1		Ch2		Ch3	V	1TX		1TX
	802.11 ax		Ch0		Ch1		Ch2		Ch3		1TX		1TX
	802.11 be		Ch0		Ch1		Ch2		Ch3		1TX		1TX

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

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CONDUCTED TEST						
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11a20	5180~5240	36 to 48	36,44,48	OFDM	6	Ch0
	5260~5320	52 to 64	52,60,64			
	5500~5720	100 to 144	100,120,140,144			
	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	100,120,140,144			
	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	102,118,134,142			
	5755~5795	151 to 159	151,159			
802.11ac_VHT20	5180~5240	36 to 48	36,44,48	OFDM	MCS0	Ch0
	5260~5320	52 to 64	52,60,64			
	5500~5720	100 to 144	100,120,140,144			
	5745~5825	149 to 165	149,157,165			
802.11ac_VHT40	5190~5230	38 to 46	38,46	OFDM	MCS0	Ch0
	5270~5310	54 to 62	54,62			
	5510~5710	102 to 142	102,118,134,142			
	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			

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

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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	OFDM	6	Ch0
	5260~5320	52 to 64	64	OFDM		
	5500~5700	100 to 140	100,140,144	OFDM		
	5745~5825	149 to 165	149,165	OFDM		
802.11n20	5180~5240	36 to 48	36	OFDM	MCS0	Ch0
	5260~5320	52 to 64	64	OFDM		
	5500~5700	100 to 140	100,140,144	OFDM		
	5745~5825	149 to 165	149,165	OFDM		
802.11n40	5190~5230	38 to 46	38	OFDM	MCS0	Ch0
	5270~5310	54 to 62	62	OFDM		
	5510~5670	102 to 134	102,134,142	OFDM		
	5755~5795	151 to 159	151,159	OFDM		
802.11ac80	5210	42	42	OFDM	MCS0	Ch0
	5290	58	58	OFDM		
	5530~5610	106 to 122	106,122,138	OFDM		
	5775	155	155	OFDM		

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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2 SUMMARY OF TEST RESULTS

FCC Rules	ISED Rules	Description Of Test	Result	Note
§15.407(a)	RSS-247 §7.3.1.2 RSS-247 §7.3.2.2 RSS-247 §7.3.3.2 RSS-247 §7.3.4.3	Maximum Conducted Output Power	Compliant	
§15.205 §15.209 §15.407(b)	RSS-Gen 8.10 RSS-247 §7.3.1.3 RSS-247 §7.3.2.3&7.3.2.4 RSS-247 §7.3.3.3 RSS-247 §7.3.4.4	Undesirable Radiated Emissions	Compliant	N

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 TERF2509003009E2.

2.1 Test Methodology of Applied Standards

1. FCC Part 15, Subpart E §15.407
2. FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01
3. ISED RSS-Gen, Issue 5 April 2018, Amendment 2 (February 2021)
4. ISED RSS-247 issue 4 July 2025
5. ANSI C63.10:2020
6. ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

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2.2 Measurement Uncertainty

Test Items	Uncertainty
AC Power Line Conducted Emission	+/- 1.54 dB
Emission Bandwidth	+/- 1.38 Hz
Output Power measurement	+/- 0.97 dB
Peak Power Spectral Density Measurement	+/- 0.61 dB
Frequency Stability	+/- 1.48 Hz
Temperature	+/- 0.60 °C
Humidity	+/- 3.00 %
DC / AC Power Source	+/- 1.00 %

Radiated Spurious Emission Measurement Uncertainty		
Polarization: Vertical	+/- 1.89 dB	9kHz - 30MHz
	+/- 4.10 dB	30MHz - 1000MHz
	+/- 3.37 dB	1GHz - 18GHz
	+/- 3.83 dB	18GHz - 40GHz
Polarization: Horizontal	+/- 1.89 dB	9kHz - 30MHz
	+/- 4.10 dB	30MHz - 1000MHz
	+/- 3.37 dB	1GHz - 18GHz
	+/- 3.83 dB	18GHz - 40GHz
Radiated Spurious Emission	+/- 2.00 dB	33GHz - 50GHz
	+/- 1.59 dB	50GHz - 60GHz
	+/- 1.71 dB	60GHz - 90GHz
	+/- 1.64 dB	90GHz - 140GHz
	+/- 3.84 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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2.3 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number / Registration 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 24803	SAC 1 / SAC 2 / SAC 3 Conduction 1 / Conducted 1 Conducted 2 / Conducted 3 Conducted 4 / Conducted 5 Conducted 6	TW0027 / 891563	TW3702
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.2, Keji 1st Rd, Guishan District, Taoyuan City, Taiwan 333	SAC C / SAC D / SAC G Conduction C/ Conducted A Conducted B / Conducted C Conducted D / Conducted E Conducted F / Conducted G	TW0028 / 200037	TW3702

Temperature:	22-26	°C	Relative Humidity:	55-60	%
Test site	Conducted 1		Test Start:	11/10/2025	
Test Engineer:	Teddy Lu		Test Done:	11/10/2025	

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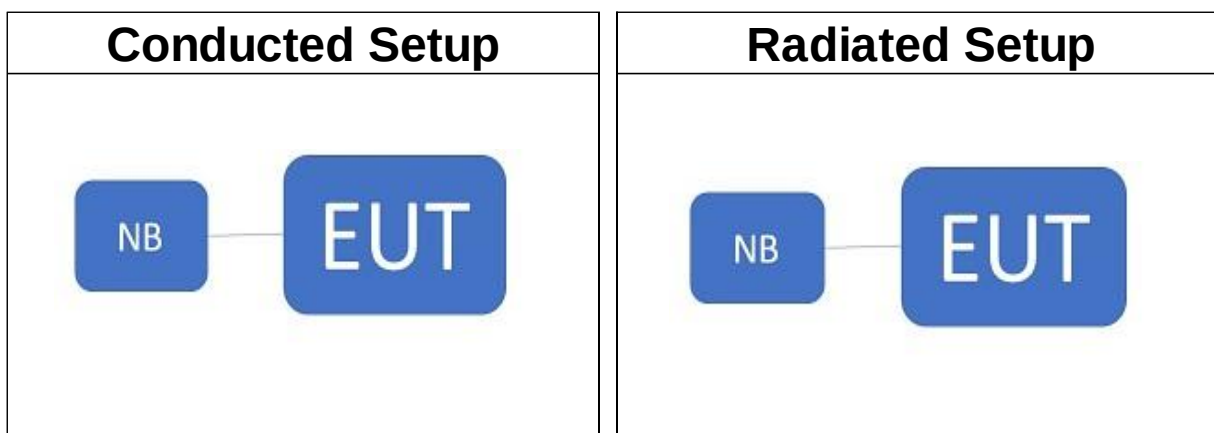
3 CONTROL UNIT(S) AND PERIPHERAL(S)

3.1 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.

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.

3.2 Diagrams



3.3 List

3.3.1 Conducted Setup

Conducted Emission Test Site: Conducted 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Notebook	Lenovo	T440P	PB-02Y6RK 14/07	N/A	N/A
USB Cable	PowerSync	CUBCVARA0010	N/A	N/A	N/A

3.3.2 Radiated Setup

Radiated Emission Test Site: SAC 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Notebook	Lenovo	L480	PF-1M4D8L 19-/03	N/A	N/A
USB Cable	PowerSync	CUBCVARA0010	N/A	N/A	N/A

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4 TEST INSTRUMENT

4.1 Conducted Measurement

Conducted Emission Test Site: Conducted 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Attenuator	Mini-Circuits	BW-S10W2+	3	12/11/2024	12/10/2025
DC Block	Mini-Circuits	BLK-18-S+	2	12/11/2024	12/10/2025
MXA Spectrum Analyzer	KEYSIGHT	N9021B	MY62242004	06/11/2025	06/10/2026
Power Meter	Anritsu	ML2496A	2132007	09/24/2025	09/23/2026
Power Sensor	Anritsu	MA2411B	1911391	09/24/2025	09/23/2026
Power Sensor	Anritsu	MA2411B	1911392	09/24/2025	09/23/2026
Test Software	SGS	Radio Test Software	Ver. 21	N.C.R	N.C.R

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4.2 Radiated Measurement

Radiated Emission Test Site: SAC 3					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
8.5G High Pass Filter	Titan	T04H85002500060 S01	23040703-40	12/11/2024	12/10/2025
Attenuator	Mini-Circuits	BW-S10W2+	15	12/11/2024	12/10/2025
Band Reject Filter 5150-5350	Micro-Tronics	BRM50703	1	12/11/2024	12/10/2025
Band Reject Filter 5470-5725	Micro-Tronics	BRM50704	1	12/11/2024	12/10/2025
Band Reject Filter 5725-5895	Titan	T04N5725589550S 01	210519-2-1	12/11/2024	12/10/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	378	08/21/2025	08/20/2026
Coaxial Cables	EMCI+Huber Suhner	EMC107-SM-SM- 1000 +SUCOFLEX 104PEA +EMC107-SM-SM- 1500 +SUCOFLEX 106	RX Cable 9K-18G (221110+MY4251/ 4PEA+221106+760 96/6)	07/14/2025	07/13/2026
Coaxial Cables	Huber Suhner	SUCOFLEX 102	RX Cable 18G-40G MY2630/2+805062 /2	07/14/2025	07/13/2026
EMI Test Receiver	R&S	ESCI 7	100759	09/02/2025	09/01/2026
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY63440386	02/05/2025	02/04/2026
Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	08/07/2025	08/06/2026
Horn Antenna	SCHWARZBECK	BBHA9120D	1441	10/03/2025	10/02/2026
Loop Antenna	COM-POWER	AL-130R	10160104	12/19/2024	12/18/2025
Pre-Amplifier	EMCI	EMC118A45SEE	980868	07/14/2025	07/13/2026
Pre-Amplifier	EMCI	EMC184045SEE	980939	07/14/2025	07/13/2026
Pre-Amplifier	HP	8447D	2944A07676	07/14/2025	07/13/2026
Site Cal	SGS	SAC 3	N/A	07/14/2025	07/13/2026
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

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

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5 REGULATORY REQUIREMENTS

5.1 Maximum Output Power

5.1.1 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.

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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FREQUENCY BAND (MHz)	EUT CATEGORY		RSS-247		
			EIRP	Conducted Output Power	TPC
5150~5250		OEM devices installed in vehicles	30 mW or $1.76 + 10 \log_{10} B$	N/A	EIRP > 15mW, at least 3dB below 30mW EIRP
	V	Other device	200 mW or $10 + 10 \log_{10} B$ dBm	N/A	N/A
5250~5350		OEM devices installed in vehicles	30 mW or $1.76 + 10 \log_{10} B$	N/A	EIRP > 15mW, at least 3dB below 30mW EIRP
	V	Other device	1.0 W or $17 + 10 \log_{10} B$ dBm	250 mW or $11 + 10 \log_{10} B$	EIRP > 500mW, at least 6dB below 1W EIRP
		Outdoor Fixed with EIRP>200mW	-13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$ $-13 - 0.716 (\theta - 8)$ dBW/MHz for $8^\circ \leq \theta < 40^\circ$ $-35.9 - 1.22 (\theta - 40)$ dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$	N/A	EIRP > 500mW, at least 6dB below 1W EIRP
5470~5725	V	All	1.0 W or $17 + 10 \log_{10} B$ dBm	250 mW or $11 + 10 \log_{10} B$	EIRP > 500mW, at least 6dB below 1W EIRP
5725~5850	V	All	N/A	1 W	N/A
5850~5895		Fixed outdoor access points	36 dBm -21 dBW/MHz for $\theta > 30^\circ$	N/A	N/A
		Fixed outdoor client devices	30dBm	N/A	N/A
		Indoor access points	36dBm	N/A	N/A
		Indoor subordinate devices	36dBm	N/A	N/A
		Indoor client devices	30dBm	N/A	N/A
1 For equipment operating in the band 5725-5850 MHz, If transmitting antennas of directional gain greater than 6 dBi are used, the Maximum transmit power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. 2. For the $10 \log B$, B is the 99% emission bandwidth.					

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5.2 Unwanted Emissions

5.2.1 5150~5850 MHz

Standards	Operation Freq. (MHz)	Freq.(MHz)	EIRP Limits (dBm/MHz)	Field Strength @ 3m(dBμV/m)
15.407(b)(1) RSS-247 §7.3.1.3	5150~5250	$f \leq 5150$ $f \geq 5350$	PK: -27	PK: 68.2
15.407(b)(2) RSS-247 §7.3.2.3 RSS-247 §7.3.2.4	5250~5350			
15.407(b)(3) RSS-247 §7.3.3.3	5475~5725	$f \leq 5470$ $f \geq 5725$	PK: -27	PK: 68.2
15.407(b)(4)(i) RSS-247 §7.3.4.4	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

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

5.2.2 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.

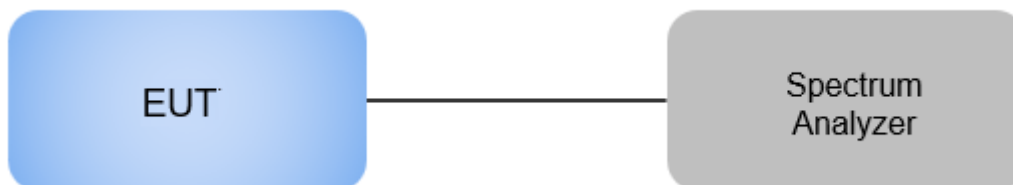
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6 TEST CONFIGURATION

6.1 Maximum Output Power

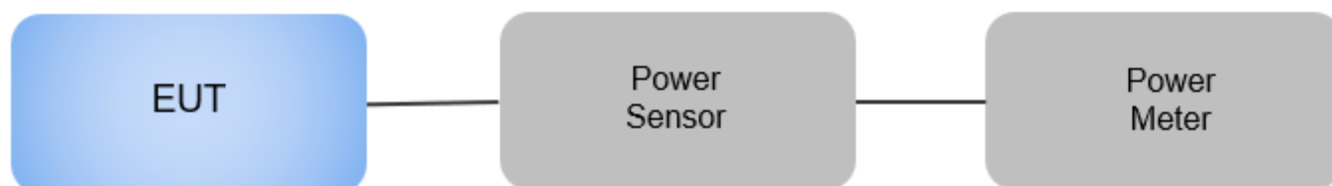
6.1.1 Duty Cyclor



Set the spectrum analyzer as

Span = Zero,
RBW = 8 MHz,
VBW = 8 MHz,
Detector = Peak,

6.1.2 Maximum Output Power



Place the EUT on the table and set it in transmitting mode.

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules.

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter.

Method PM (Measurement using an RF average power meter):

Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the following conditions are satisfied:

The EUT is configured to transmit continuously or to transmit with a constant duty cycle.

At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.

The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.

If the transmitter does not transmit continuously, measure the duty cycle, x , of the transmitter output signal as described in II.B.

Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.

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Adjust the measurement in dBm by adding $10 \log (1/x)$ where x is the duty cycle (e.g., $10 \log (1/0.25)$ if the duty cycle is 25%).

Note:

For U-NII1, 2A, 2C and 3 Bands, when the antenna gain is greater than 6 dBi, the power limit attenuated accordingly.

6.2 Unwanted Emissions

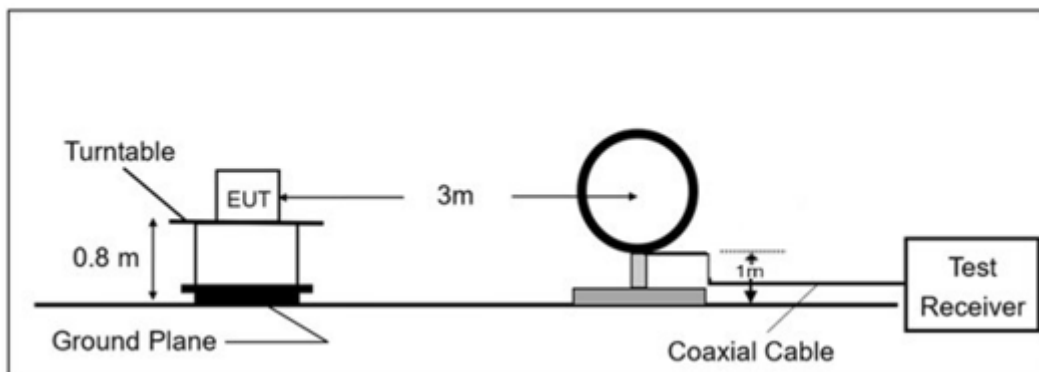
6.2.1 Radiated Emission Test Sites

For Measurements From 9 kHz To 30 MHz

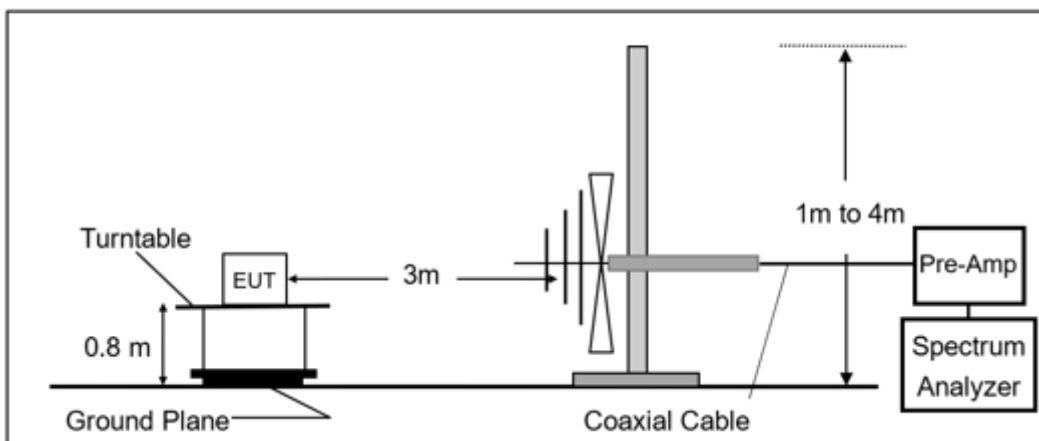
Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

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

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



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

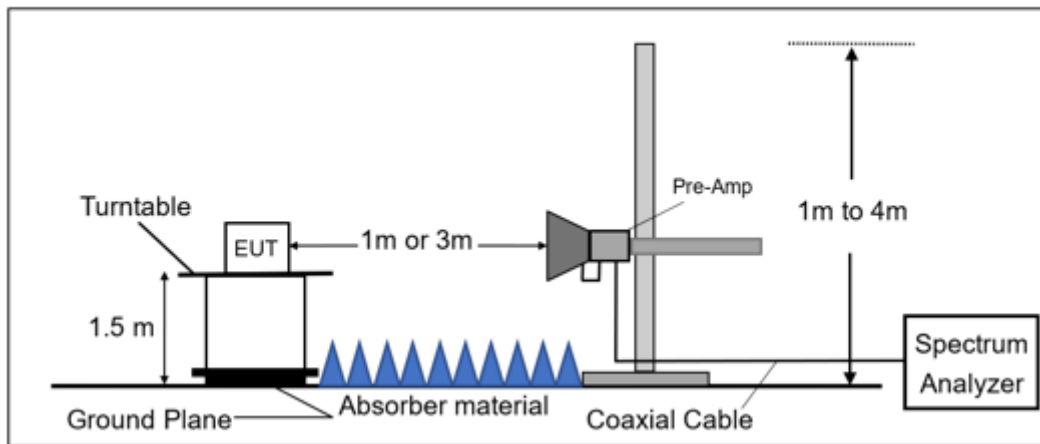


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Radiated Emission Test Set-Up, Frequency Above 1GHz.



6.2.2 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=3 MHz, Detector= RMS correction factor is $[10 \log (1 / D)]$ for Average Emission measurements at frequency above 1 GHz when $D \geq 98\%$. If a specific emission is demonstrated to be continuous ($D \geq 98\%$) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission, where D is the duty cycle.
9. Set the spectrum analyzer as RBW=1 MHz, $VBW \geq 1/T$, Detector= Peak when $D < 98\%$ for Average Emission Measurements at frequency above 1 GHz.
10. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.
11. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
12. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
13. Repeat above procedures until all frequency measured were complete.

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Note: The emissions from 9 kHz to 30MHz was pre-scanned as 20dB lower than the limits, and hence not reported.

6.2.3 Field Strength Calculation

The field strength is calculated by adding the antenna factor and cable loss, then subtracting the amplifier gain and any applicable duty cycle correction factor from the measured reading. The basic equation and an example calculation are as follows:

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

Where:

FS = Field Strength (dBμV/m)
RA = Reading Amplitude (dBμV)
AF = Antenna Factor (dB/m)
CL = Cable Loss (dB)
AG = Amplifier Gain (dB)

The emission limit is expressed in dBμV/m, which corresponds to the logarithmic conversion of $20 \times \log_{10} (\mu\text{V/m})$.

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

The low frequency range (9 kHz to 30 MHz) was pre-scanned, and the result was 20 dB below the limit; therefore, it was not reported, in accordance with 15.31(o) & RSS-GEN §6.13.2.

Pre-scan was conducted at 5.47 GHz and 5.85 GHz for band-edge measurements of straddle channels 138, 142, and 144. Since the results were 20 dB below the limit, they were not reported, in accordance with 15.31(o) & RSS-GEN §6.13.2.

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7 TEST RESULTS

7.1 Maximum Conducted Output Power

7.1.1 Duty Cycle

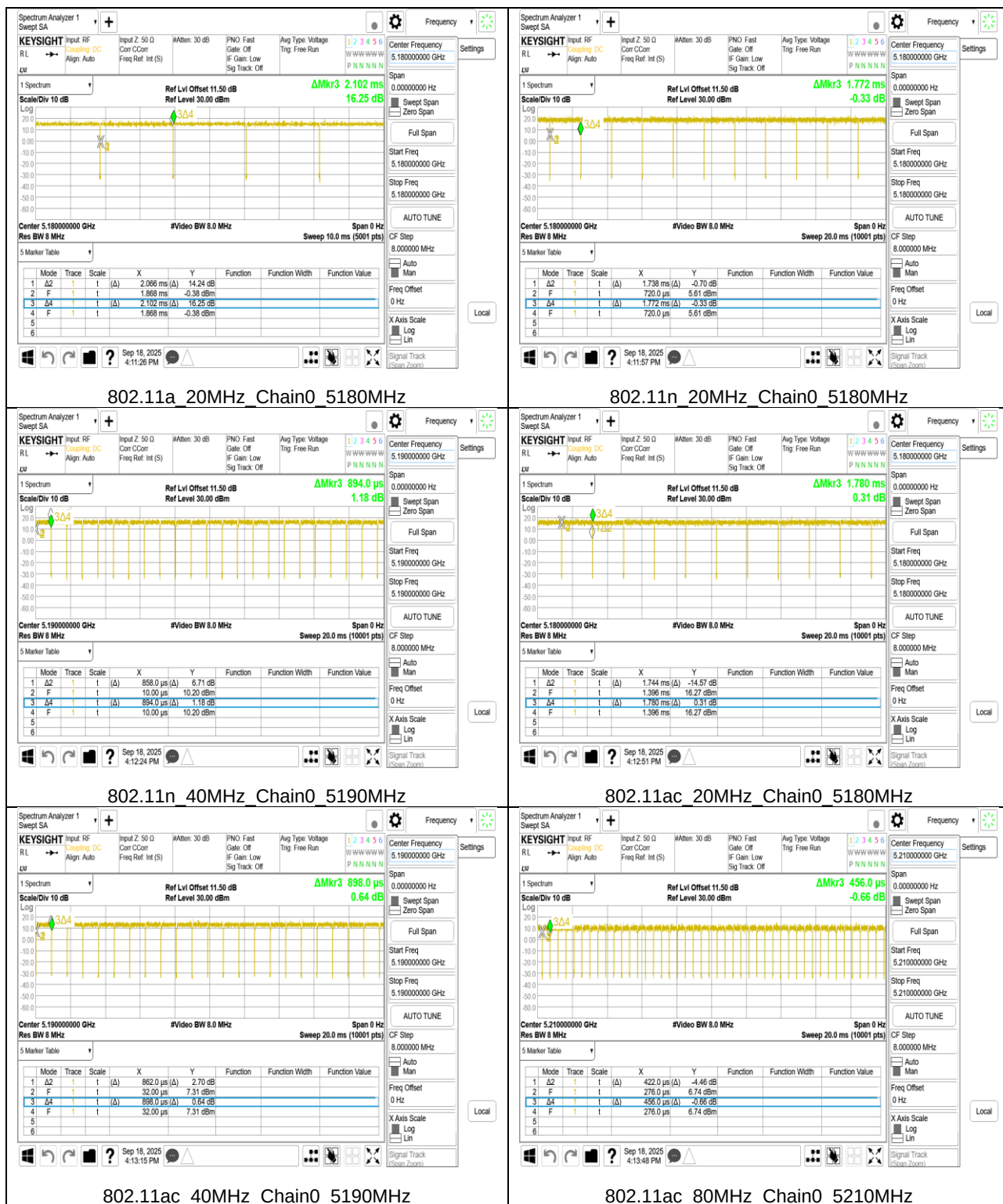
Mode	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11a	98.29	0.07	0.48	0.01
802.11n_20	98.08	0.08	0.58	0.01
802.11ac_20	97.98	0.09	0.57	1.00
802.11n_40	95.97	0.18	1.17	2.00
802.11ac_40	95.99	0.18	1.16	2.00
802.11ac_80	92.54	0.34	2.37	3.00

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7.1.2 Duty Cycle test plots



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7.1.3 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	13.5	25.527	14.07	23.98	PASS
44	5220	6	13.5	23.121	13.64	23.98	PASS
48	5240	6	13.5	21.232	13.27	23.98	PASS
52	5260	6	13.5	19.861	12.98	23.98	PASS
60	5300	6	13.5	18.155	12.59	23.98	PASS
64	5320	6	13.5	16.904	12.28	23.98	PASS
100	5500	6	13.5	14.289	11.55	23.98	PASS
120	5600	6	13.5	18.030	12.56	23.98	PASS
140	5700	6	13.5	26.792	14.28	23.98	PASS
144	5720	6	13.5	29.376	14.68	23.98	PASS
149	5745	6	13.5	30.832	14.89	30	PASS
157	5785	6	13.5	36.728	15.65	30	PASS
165	5825	6	13.5	38.637	15.87	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	13.5	25.468	14.06	23.98	PASS
44	5220	MCS0	13.5	22.336	13.49	23.98	PASS
48	5240	MCS0	13.5	20.941	13.21	23.98	PASS
52	5260	MCS0	13.5	19.815	12.97	23.98	PASS
60	5300	MCS0	13.5	17.620	12.46	23.98	PASS
64	5320	MCS0	13.5	16.444	12.16	23.98	PASS
100	5500	MCS0	13.5	13.964	11.45	23.98	PASS
120	5600	MCS0	13.5	17.865	12.52	23.98	PASS
140	5700	MCS0	13.5	27.416	14.38	23.98	PASS
144	5720	MCS0	13.5	28.973	14.62	23.98	PASS
149	5745	MCS0	13.5	31.046	14.92	30	PASS
157	5785	MCS0	13.5	35.727	15.53	30	PASS
165	5825	MCS0	13.5	38.726	15.88	30	PASS

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802.11ac_VHT20_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	13.5	25.351	14.04	23.98	PASS
44	5220	MCS0	13.5	22.182	13.46	23.98	PASS
48	5240	MCS0	13.5	20.845	13.19	23.98	PASS
52	5260	MCS0	13.5	19.770	12.96	23.98	PASS
60	5300	MCS0	13.5	17.539	12.44	23.98	PASS
64	5320	MCS0	13.5	16.255	12.11	23.98	PASS
100	5500	MCS0	13.5	13.772	11.39	23.98	PASS
120	5600	MCS0	13.5	17.620	12.46	23.98	PASS
140	5700	MCS0	13.5	26.792	14.28	23.98	PASS
144	5720	MCS0	13.5	28.774	14.59	23.98	PASS
149	5745	MCS0	13.5	30.761	14.88	30	PASS
157	5785	MCS0	13.5	35.400	15.49	30	PASS
165	5825	MCS0	13.5	38.194	15.82	30	PASS

802.11n_HT40_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	13.5	25.293	14.03	23.98	PASS
46	5230	MCS0	13.5	24.660	13.92	23.98	PASS
54	5270	MCS0	13.5	21.478	13.32	23.98	PASS
62	5310	MCS0	13.5	19.454	12.89	23.98	PASS
102	5510	MCS0	13.5	15.922	12.02	23.98	PASS
118	5590	MCS0	13.5	18.967	12.78	23.98	PASS
134	5670	MCS0	13.5	26.182	14.18	23.98	PASS
142	5710	MCS0	13.5	30.903	14.90	23.98	PASS
151	5755	MCS0	13.5	35.727	15.53	30	PASS
159	5795	MCS0	13.5	39.264	15.94	30	PASS

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	13.5	25.061	13.99	23.98	PASS
46	5230	MCS0	13.5	24.491	13.89	23.98	PASS
54	5270	MCS0	13.5	21.086	13.24	23.98	PASS
62	5310	MCS0	13.5	19.055	12.80	23.98	PASS
102	5510	MCS0	13.5	15.668	11.95	23.98	PASS
118	5590	MCS0	13.5	18.923	12.77	23.98	PASS
134	5670	MCS0	13.5	25.763	14.11	23.98	PASS
142	5710	MCS0	13.5	30.549	14.85	23.98	PASS
151	5755	MCS0	13.5	35.156	15.46	30	PASS
159	5795	MCS0	13.5	38.726	15.88	30	PASS

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802.11ac_VHT80_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	12.5	20.417	13.10	23.98	PASS
58	5290	MCS0	13.5	18.664	12.71	23.98	PASS
106	5530	MCS0	13.5	15.382	11.87	23.98	PASS
122	5610	MCS0	13.5	18.323	12.63	23.98	PASS
138	5690	MCS0	13.5	26.792	14.28	23.98	PASS
155	5775	MCS0	13.5	34.594	15.39	30	PASS

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7.1.4 ISED Conducted Output Power and EIRP

802.11a_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
52	5260	19.861	12.98	23.98	PASS
60	5300	18.155	12.59	23.98	PASS
64	5320	16.904	12.28	23.98	PASS
100	5500	14.289	11.55	23.98	PASS
120	5600	18.030	12.56	23.98	PASS
140	5700	26.792	14.28	23.98	PASS
144	5720	29.376	14.68	23.98	PASS
149	5745	30.832	14.89	30	PASS
157	5785	36.728	15.65	30	PASS
165	5825	38.637	15.87	30	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
52	5260	19.815	12.97	23.98	PASS
60	5300	17.620	12.46	23.98	PASS
64	5320	16.444	12.16	23.98	PASS
100	5500	13.964	11.45	23.98	PASS
120	5600	17.865	12.52	23.98	PASS
140	5700	27.416	14.38	23.98	PASS
144	5720	28.973	14.62	23.98	PASS
149	5745	31.046	14.92	30	PASS
157	5785	35.727	15.53	30	PASS
165	5825	38.726	15.88	30	PASS

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802.11ac_VHT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
52	5260	19.770	12.96	23.98	PASS
60	5300	17.539	12.44	23.98	PASS
64	5320	16.255	12.11	23.98	PASS
100	5500	13.772	11.39	23.98	PASS
120	5600	17.620	12.46	23.98	PASS
140	5700	26.792	14.28	23.98	PASS
144	5720	28.774	14.59	23.98	PASS
149	5745	30.761	14.88	30	PASS
157	5785	35.400	15.49	30	PASS
165	5825	38.194	15.82	30	PASS

802.11n_HT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
54	5270	21.478	13.32	23.98	PASS
62	5310	19.454	12.89	23.98	PASS
102	5510	15.922	12.02	23.98	PASS
118	5590	18.967	12.78	23.98	PASS
134	5670	26.182	14.18	23.98	PASS
142	5710	30.903	14.90	23.98	PASS
151	5755	35.727	15.53	30	PASS
159	5795	39.264	15.94	30	PASS

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
54	5270	21.086	13.24	23.98	PASS
62	5310	19.055	12.80	23.98	PASS
102	5510	15.668	11.95	23.98	PASS
118	5590	18.923	12.77	23.98	PASS
134	5670	25.763	14.11	23.98	PASS
142	5710	30.549	14.85	23.98	PASS
151	5755	35.156	15.46	30	PASS
159	5795	38.726	15.88	30	PASS

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802.11ac_VHT80_Ch0

CH	Frequency (MHz)	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
58	5290	18.664	12.71	23.98	PASS
106	5530	15.382	11.87	23.98	PASS
122	5610	18.323	12.63	23.98	PASS
138	5690	26.792	14.28	23.98	PASS
155	5775	34.594	15.39	30	PASS

802.11a_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	14.07	1.15	33.266	15.22	23.01	PASS
44	5220	13.64	1.15	30.130	14.79	23.01	PASS
48	5240	13.27	1.15	27.669	14.42	23.01	PASS
52	5260	12.98	1.67	29.174	14.65	30	PASS
60	5300	12.59	1.67	26.669	14.26	30	PASS
64	5320	12.28	1.67	24.831	13.95	30	PASS
100	5500	11.55	2.05	22.909	13.60	30	PASS
120	5600	12.56	2.05	28.907	14.61	30	PASS
140	5700	14.28	2.05	42.954	16.33	30	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	14.06	1.15	33.189	15.21	23.01	PASS
44	5220	13.49	1.15	29.107	14.64	23.01	PASS
48	5240	13.21	1.15	27.290	14.36	23.01	PASS
52	5260	12.97	1.67	29.107	14.64	30	PASS
60	5300	12.46	1.67	25.882	14.13	30	PASS
64	5320	12.16	1.67	24.155	13.83	30	PASS
100	5500	11.45	2.05	22.387	13.50	30	PASS
120	5600	12.52	2.05	28.642	14.57	30	PASS
140	5700	14.38	2.05	43.954	16.43	30	PASS

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802.11ac_VHT20_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	14.04	1.15	33.037	15.19	23.01	PASS
44	5220	13.46	1.15	28.907	14.61	23.01	PASS
48	5240	13.19	1.15	27.164	14.34	23.01	PASS
52	5260	12.96	1.67	29.040	14.63	30	PASS
60	5300	12.44	1.67	25.763	14.11	30	PASS
64	5320	12.11	1.67	23.878	13.78	30	PASS
100	5500	11.39	2.05	22.080	13.44	30	PASS
120	5600	12.46	2.05	28.249	14.51	30	PASS
140	5700	14.28	2.05	42.954	16.33	30	PASS

802.11n_HT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	14.03	1.15	32.961	15.18	23.01	PASS
46	5230	13.92	1.15	32.137	15.07	23.01	PASS
54	5270	13.32	1.67	31.550	14.99	30	PASS
62	5310	12.89	1.67	28.576	14.56	30	PASS
102	5510	12.02	2.05	25.527	14.07	30	PASS
118	5590	12.78	2.05	30.409	14.83	30	PASS
134	5670	14.18	2.05	41.976	16.23	30	PASS

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	13.99	1.15	32.659	15.14	23.01	PASS
46	5230	13.89	1.15	31.915	15.04	23.01	PASS
54	5270	13.24	1.67	30.974	14.91	30	PASS
62	5310	12.80	1.67	27.990	14.47	30	PASS
102	5510	11.95	2.05	25.119	14.00	30	PASS
118	5590	12.77	2.05	30.339	14.82	30	PASS
134	5670	14.11	2.05	41.305	16.16	30	PASS

802.11ac_VHT80_Ch0

CH	Frequency (MHz)	TOTAL POWER (dBm)	Antenna Gain (dBi)	EIRP (mW)	EIRP (dBm)	REQUIRED LIMIT (dBm)	RESULT
42	5210	13.10	1.15	26.607	14.25	23.01	PASS
58	5290	12.71	1.67	27.416	14.38	30	PASS
106	5530	11.87	2.05	24.660	13.92	30	PASS

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7.2 Unwanted Emissions

7.2.1 Radiated Band Edge Measurement Result

Model: ABX00162 (PCB ver.SGD)

Report Number :TERF2511003774E2

Test Site :SAC 3

Operation Mode :802.11a

Test Date :2025-11-07

Test Frequency :5180 MHz

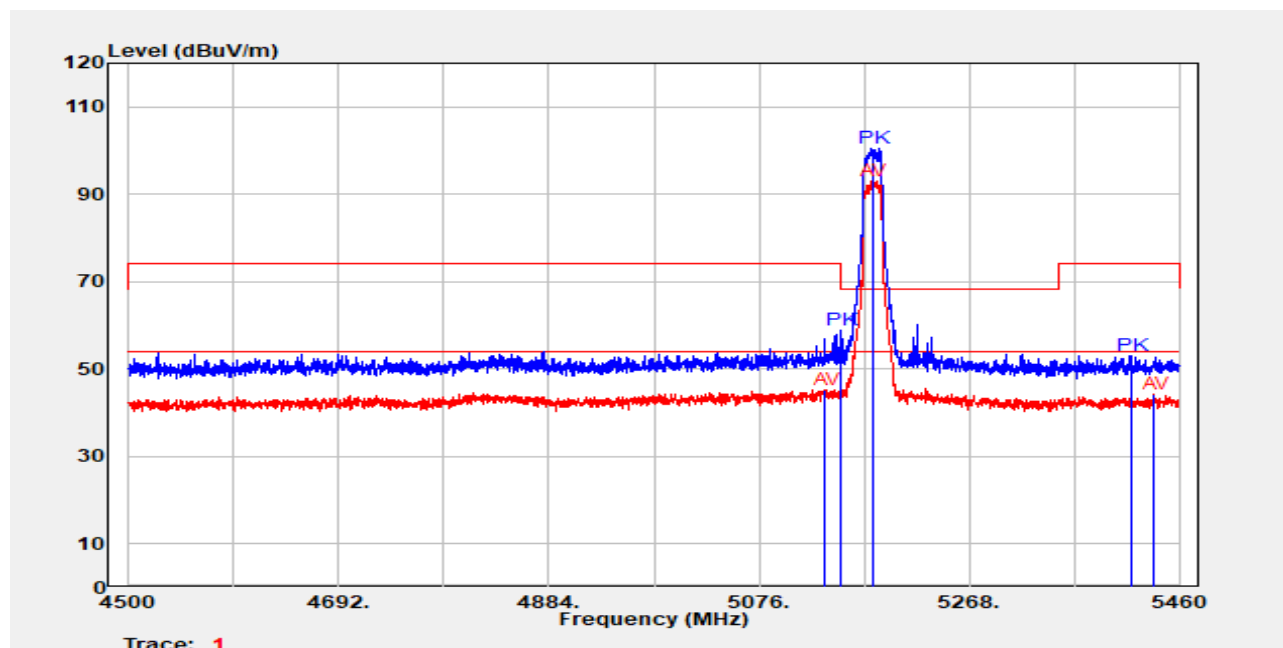
Temp./Humi. :22.9°C/65%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5136.40	Average	45.12	0.12	45.24	54.00	-8.76
5150.00	Peak	58.70	0.14	58.84	74.00	-15.16
5180.00	Peak	100.59	-0.08	100.51	-	-
5180.00	Average	93.02	-0.08	92.94	-	-
5415.59	Peak	53.27	-0.22	53.05	74.00	-20.95
5437.19	Average	44.16	-0.09	44.07	54.00	-9.93

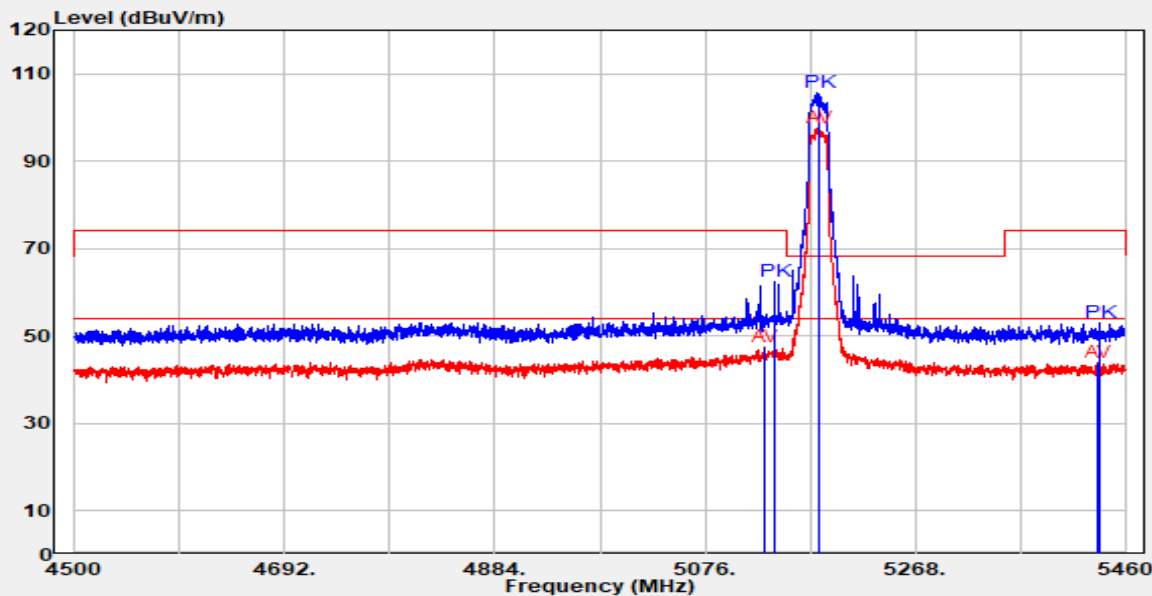
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Report Number :TERF2511003774E2
 Operation Mode :802.11a
 Test Frequency :5180 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5129.92	Average	47.26	0.12	47.38	54.00	-6.62
5139.52	Peak	62.19	0.13	62.32	74.00	-11.68
5180.00	Peak	105.74	-0.08	105.66	-	-
5180.00	Average	97.73	-0.08	97.65	-	-
5434.07	Average	43.98	-0.10	43.88	54.00	-10.12
5436.71	Peak	52.99	-0.09	52.90	74.00	-21.10

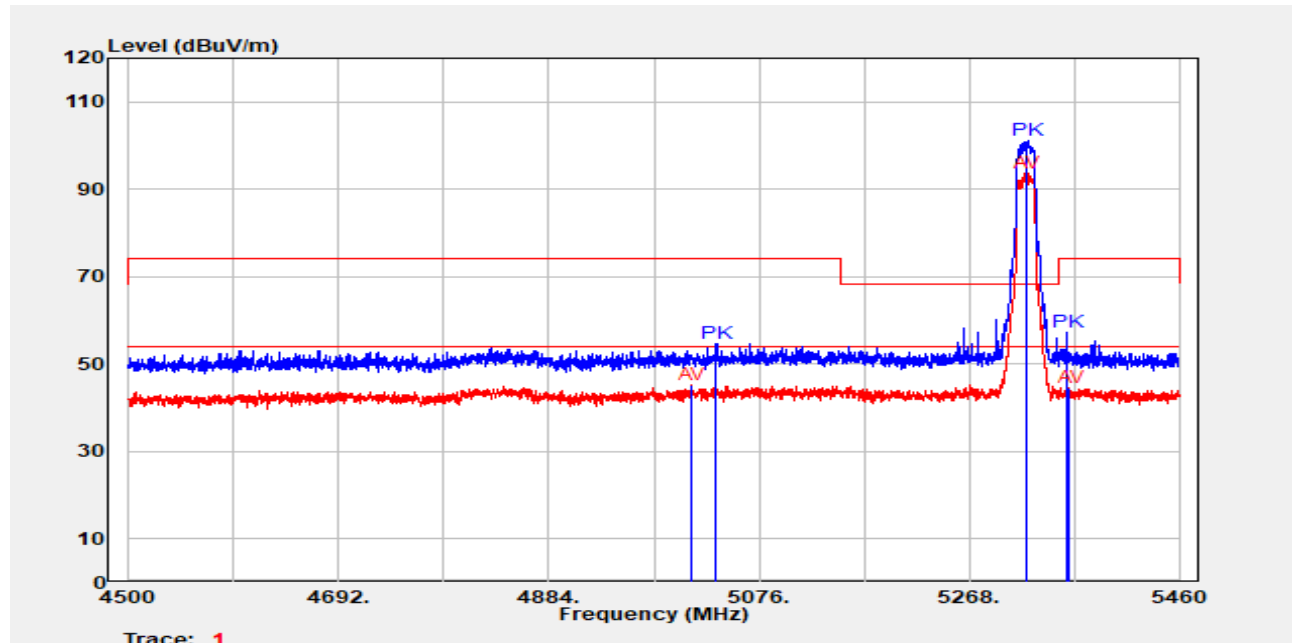
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Report Number :TERF2511003774E2
 Operation Mode :802.11a
 Test Frequency :5320 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



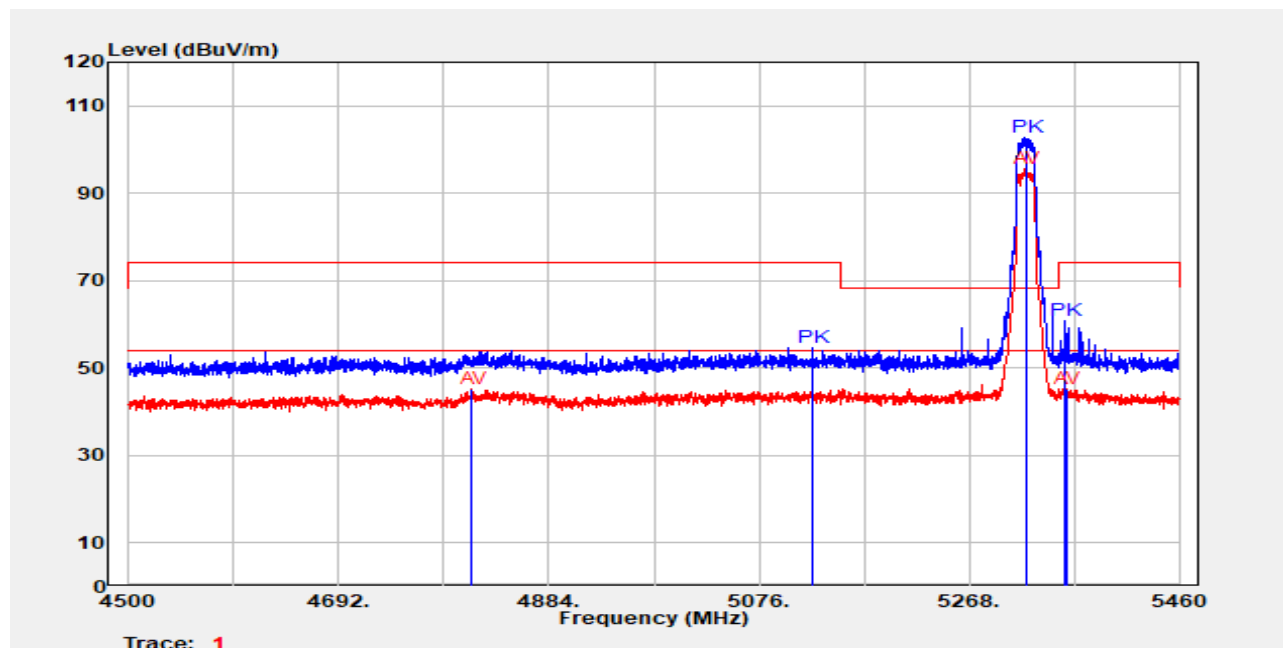
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5013.49	Average	45.29	-0.19	45.10	54.00	-8.90
5037.01	Peak	54.78	-0.14	54.64	74.00	-19.36
5320.00	Peak	101.64	-0.61	101.03	-	-
5320.00	Average	94.36	-0.61	93.75	-	-
5356.77	Peak	57.84	-0.50	57.34	74.00	-16.66
5359.90	Average	45.05	-0.49	44.56	54.00	-9.44

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Report Number :TERF2511003774E2
 Operation Mode :802.11a
 Test Frequency :5320 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
4813.28	Average	45.89	-0.78	45.11	54.00	-8.89
5124.88	Peak	54.63	0.12	54.75	74.00	-19.25
5320.00	Peak	103.45	-0.61	102.84	-	-
5320.00	Average	96.18	-0.61	95.57	-	-
5356.29	Peak	61.32	-0.50	60.82	74.00	-13.18
5357.49	Average	45.75	-0.50	45.25	54.00	-8.75

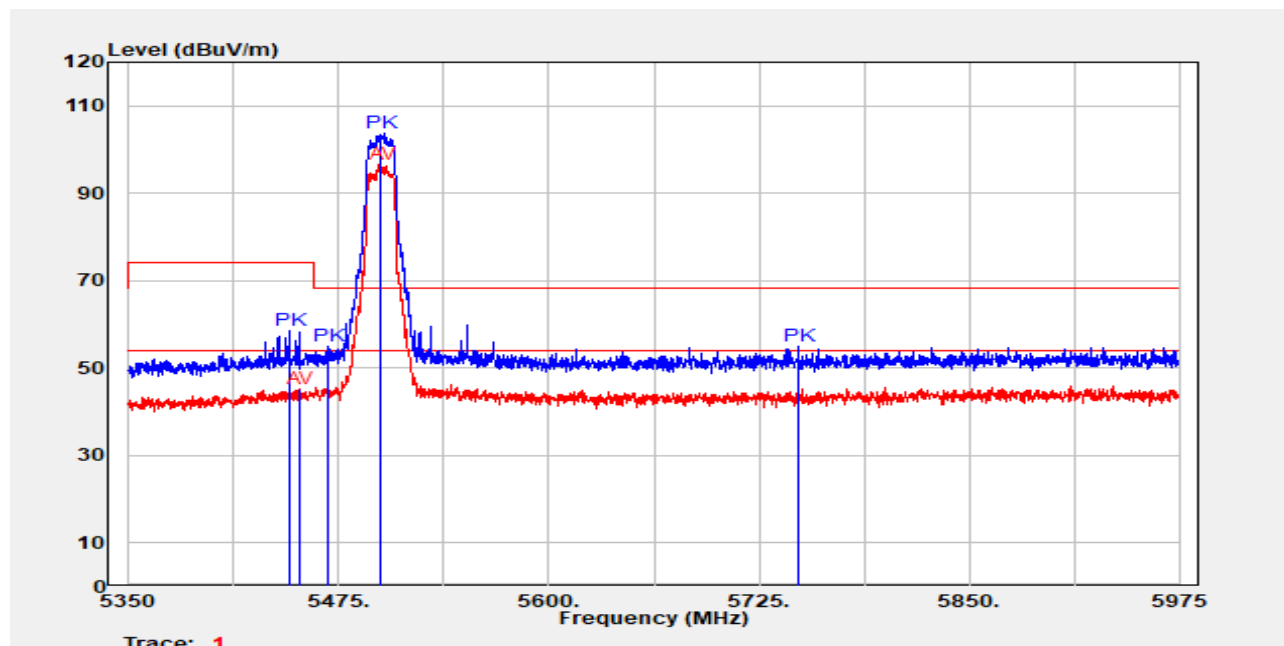
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Report Number :TERF2511003774E2
 Operation Mode :802.11a
 Test Frequency :5500 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



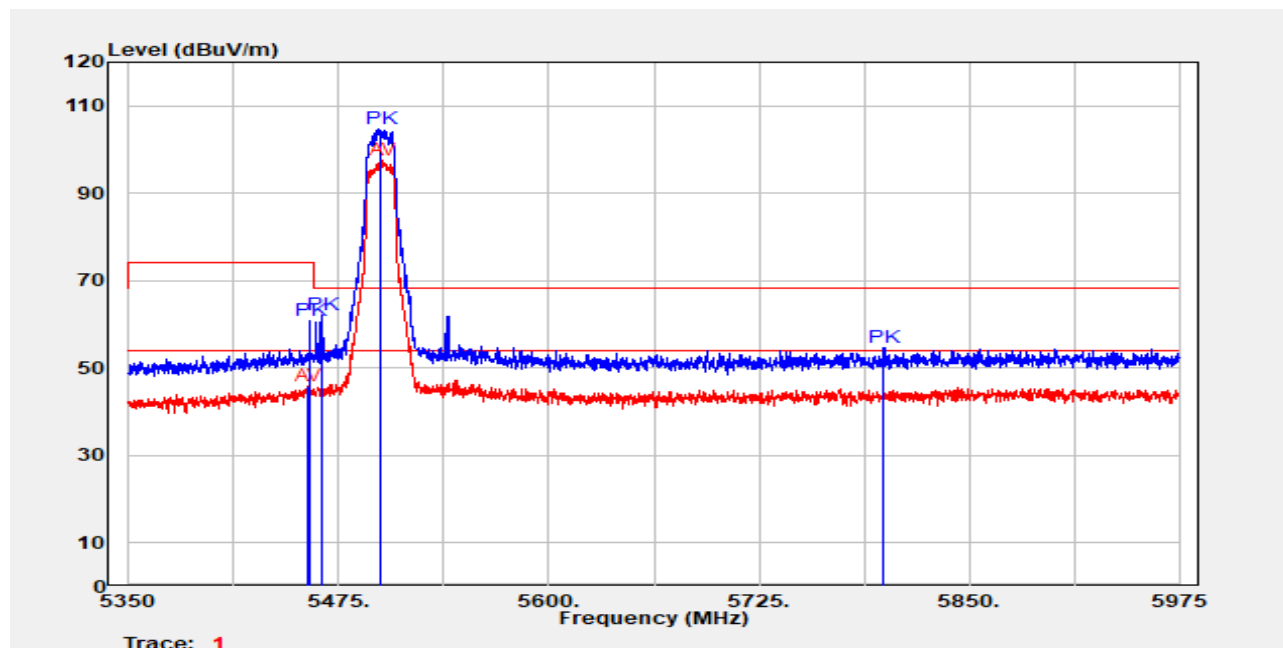
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5445.45	Peak	58.50	-0.04	58.46	74.00	-15.54
5451.08	Average	45.20	-0.01	45.19	54.00	-8.81
5468.17	Peak	54.83	0.08	54.91	68.20	-13.29
5500.00	Peak	103.44	0.27	103.71	-	-
5500.00	Average	96.47	0.27	96.74	-	-
5748.47	Peak	54.16	0.67	54.83	68.20	-13.37

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Report Number :TERF2511003774E2
 Operation Mode :802.11a
 Test Frequency :5500 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5455.87	Average	45.71	0.01	45.72	54.00	-8.28
5457.33	Peak	60.64	0.03	60.67	74.00	-13.33
5465.25	Peak	62.18	0.07	62.25	68.20	-5.95
5500.00	Peak	104.50	0.27	104.77	-	-
5500.00	Average	97.44	0.27	97.71	-	-
5799.32	Peak	53.84	0.78	54.62	68.20	-13.58

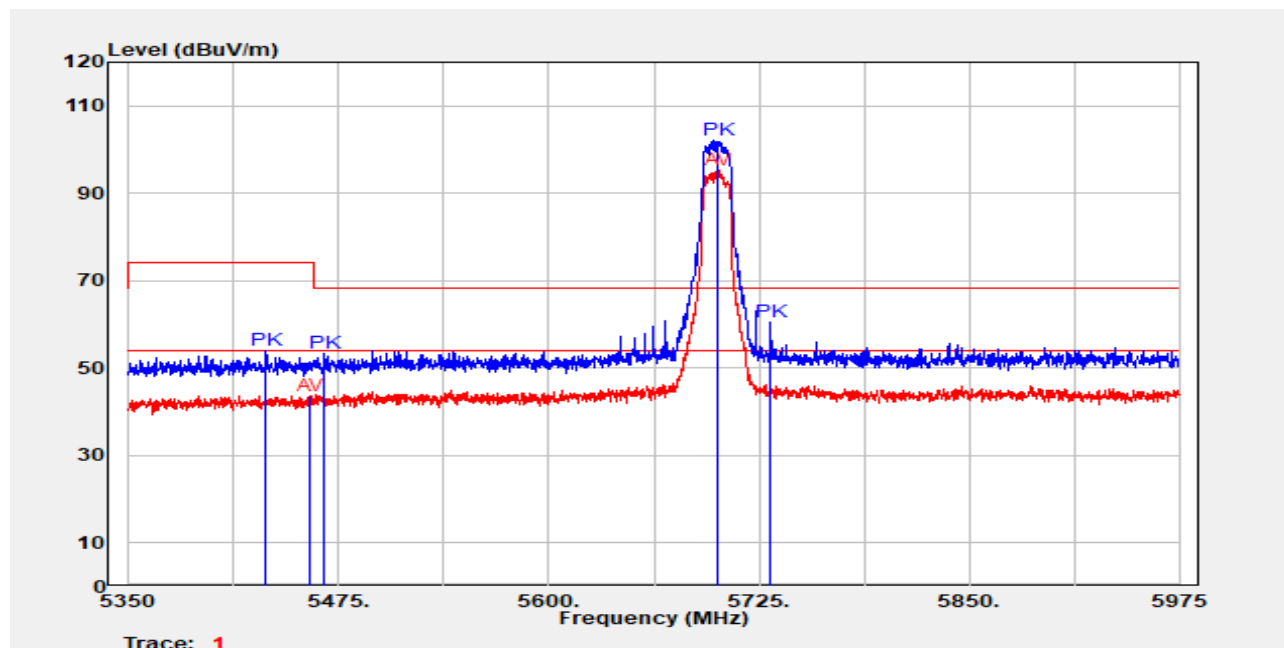
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Report Number :TERF2511003774E2
 Operation Mode :802.11a
 Test Frequency :5700 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



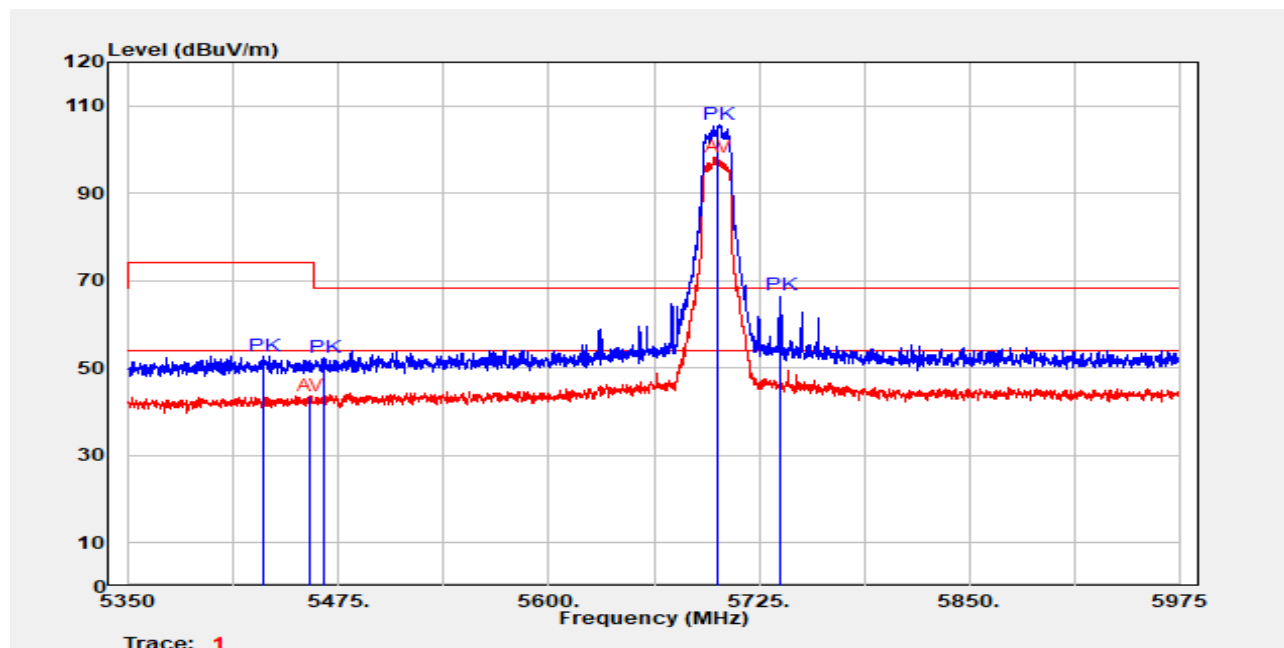
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5431.07	Peak	54.11	-0.13	53.98	74.00	-20.02
5457.12	Average	43.59	0.03	43.62	54.00	-10.38
5466.08	Peak	53.12	0.07	53.19	68.20	-15.01
5700.00	Peak	101.46	0.56	102.02	-	-
5700.00	Average	94.80	0.56	95.36	-	-
5731.79	Peak	59.97	0.62	60.59	68.20	-7.61

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Report Number :TERF2511003774E2
 Operation Mode :802.11a
 Test Frequency :5700 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5430.03	Peak	52.88	-0.13	52.75	74.00	-21.25
5457.74	Average	43.54	0.03	43.57	54.00	-10.43
5466.08	Peak	52.33	0.07	52.40	68.20	-15.80
5700.00	Peak	105.22	0.56	105.78	-	-
5700.00	Average	97.71	0.56	98.27	-	-
5738.05	Peak	65.90	0.65	66.55	68.20	-1.65

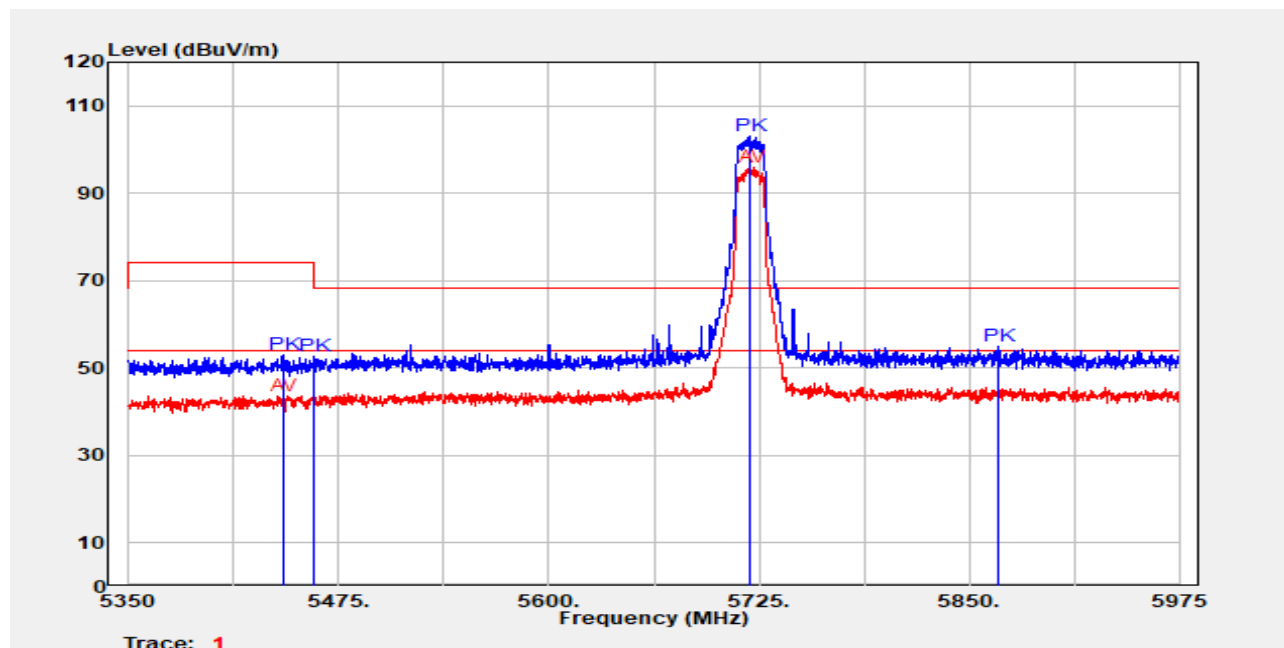
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Report Number :TERF2511003774E2
 Operation Mode :802.11a
 Test Frequency :5720 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5441.91	Average	43.73	-0.06	43.67	54.00	-10.33
5442.53	Peak	53.00	-0.06	52.94	74.00	-21.06
5460.45	Peak	52.56	0.04	52.60	68.20	-15.60
5720.00	Peak	102.36	0.60	102.96	-	-
5720.00	Average	95.33	0.60	95.93	-	-
5867.26	Peak	53.97	0.95	54.92	68.20	-13.28

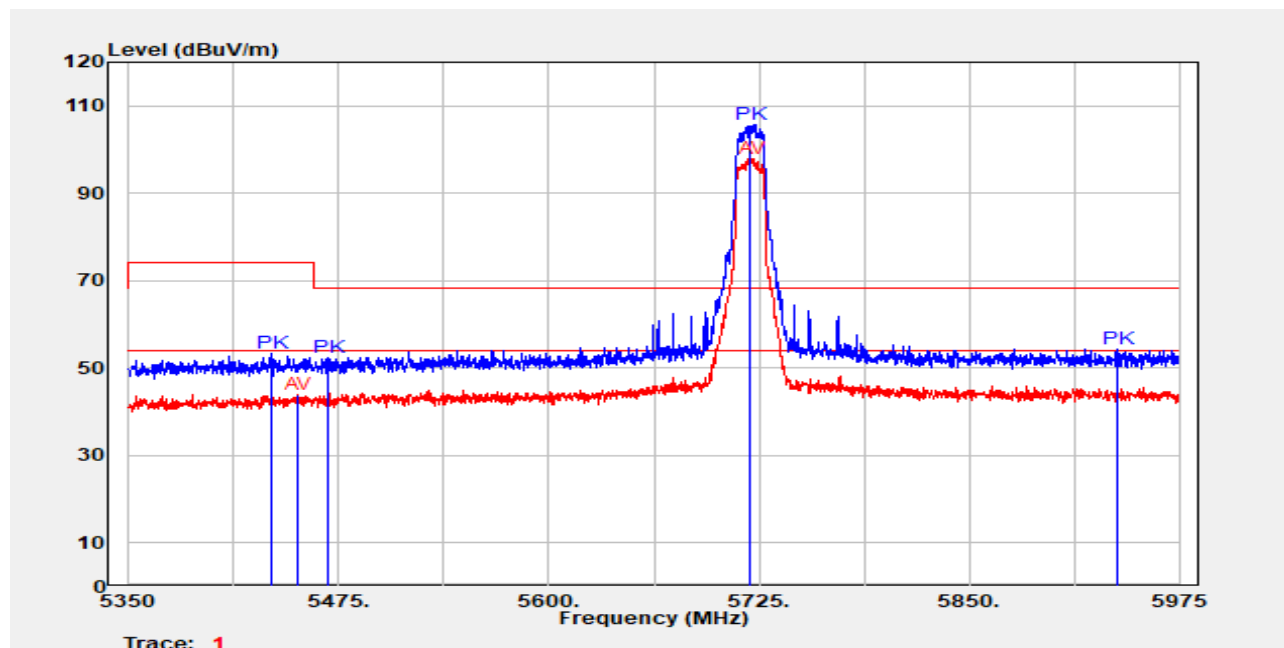
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Report Number :TERF2511003774E2
 Operation Mode :802.11a
 Test Frequency :5720 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



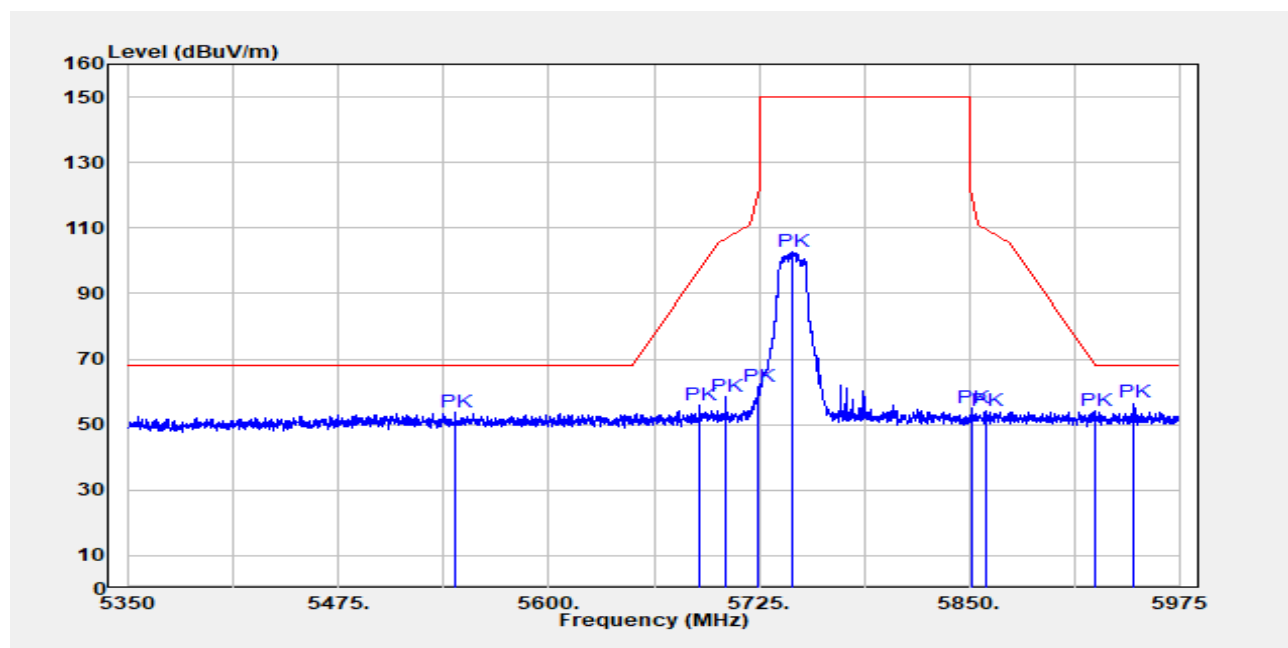
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5435.03	Peak	53.42	-0.10	53.32	74.00	-20.68
5450.24	Average	43.95	-0.01	43.94	54.00	-10.06
5469.00	Peak	52.13	0.10	52.23	68.20	-15.97
5720.00	Peak	104.97	0.60	105.57	-	-
5720.00	Average	97.32	0.60	97.92	-	-
5937.70	Peak	53.23	1.15	54.38	68.20	-13.82

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Report Number :TERF2511003774E2
 Operation Mode :802.11a
 Test Frequency :5745 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



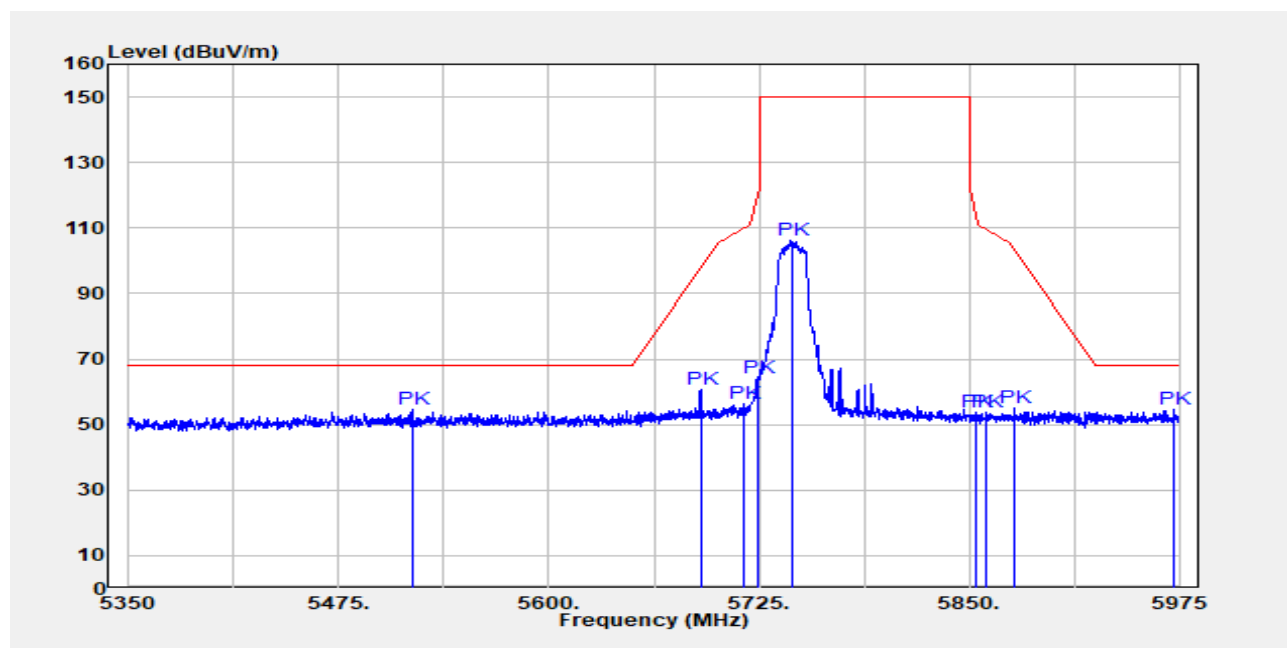
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5544.02	Peak	53.42	0.28	53.70	68.20	-14.50
5689.91	Peak	55.43	0.51	55.94	97.73	-41.79
5705.54	Peak	58.06	0.58	58.64	106.75	-48.11
5724.50	Peak	61.16	0.62	61.78	121.06	-59.28
5745.00	Peak	102.16	0.66	102.82	-	-
5851.83	Peak	54.07	0.89	54.96	118.02	-63.06
5859.75	Peak	53.36	0.92	54.28	109.47	-55.19
5924.57	Peak	52.94	1.12	54.06	68.52	-14.46
5948.32	Peak	55.58	1.16	56.74	68.20	-11.46

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Report Number :TERF2511003774E2
 Operation Mode :802.11a
 Test Frequency :5745 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



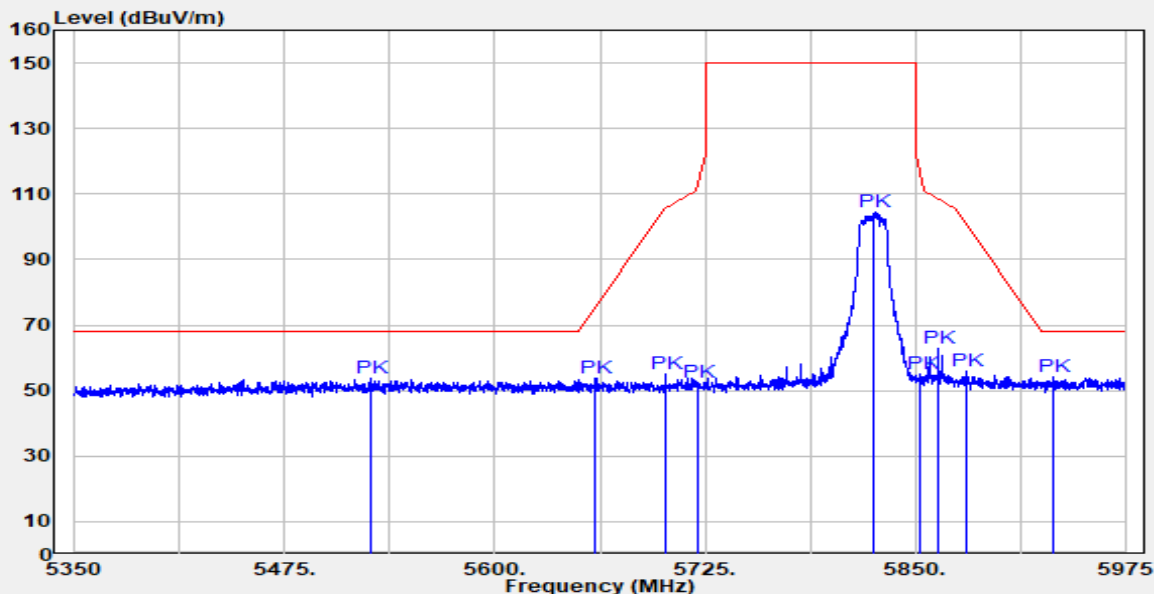
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5518.39	Peak	54.32	0.28	54.60	68.20	-13.60
5690.32	Peak	60.29	0.51	60.80	98.04	-37.24
5716.37	Peak	55.74	0.60	56.34	109.78	-53.44
5724.92	Peak	63.50	0.62	64.12	122.01	-57.89
5745.00	Peak	105.41	0.66	106.07	-	-
5854.34	Peak	52.98	0.90	53.88	112.32	-58.44
5860.59	Peak	52.99	0.92	53.91	109.24	-55.33
5876.84	Peak	54.08	0.99	55.07	103.84	-48.77
5972.08	Peak	53.35	1.25	54.60	68.20	-13.60

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Report Number :TERF2511003774E2
 Operation Mode :802.11a
 Test Frequency :5825 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



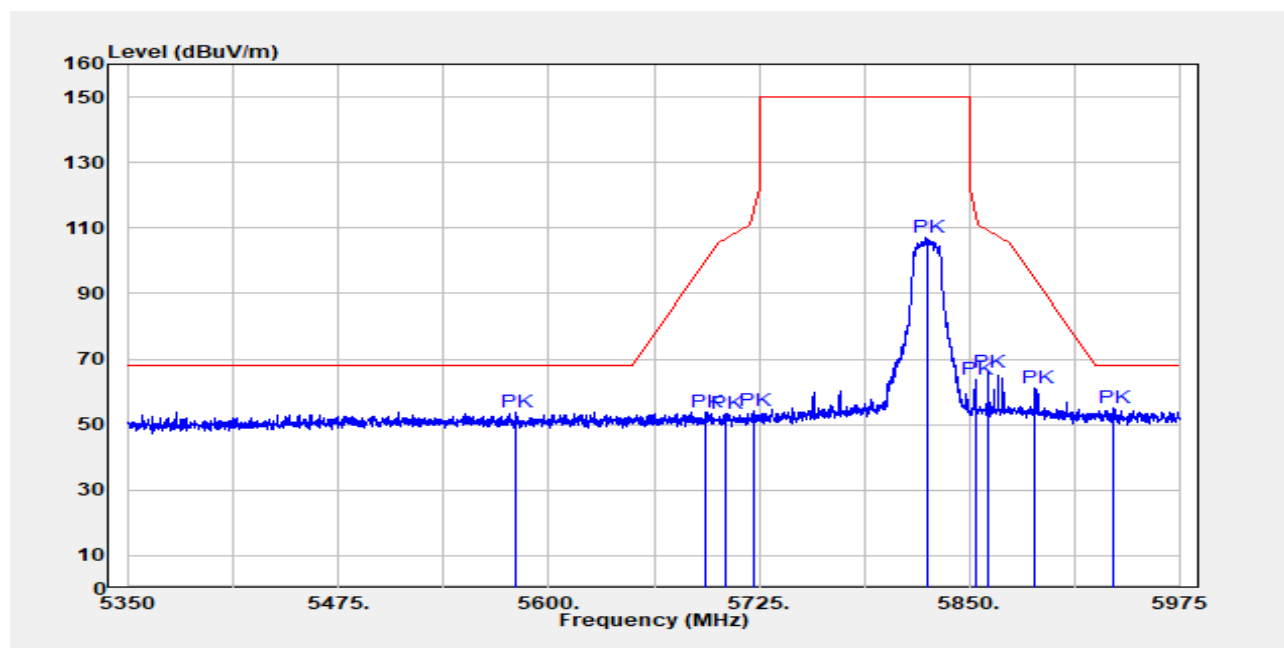
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5525.68	Peak	53.55	0.28	53.83	68.20	-14.37
5659.90	Peak	53.56	0.34	53.90	75.52	-21.62
5701.16	Peak	54.36	0.56	54.92	105.52	-50.60
5721.17	Peak	51.88	0.60	52.48	113.46	-60.98
5825.00	Peak	103.48	0.83	104.31	-	-
5853.50	Peak	53.98	0.89	54.87	114.22	-59.35
5864.13	Peak	62.07	0.94	63.01	108.24	-45.23
5881.01	Peak	54.91	1.00	55.91	100.75	-44.84
5932.49	Peak	52.95	1.14	54.09	68.20	-14.11

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Report Number :TERF2511003774E2
 Operation Mode :802.11a
 Test Frequency :5825 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



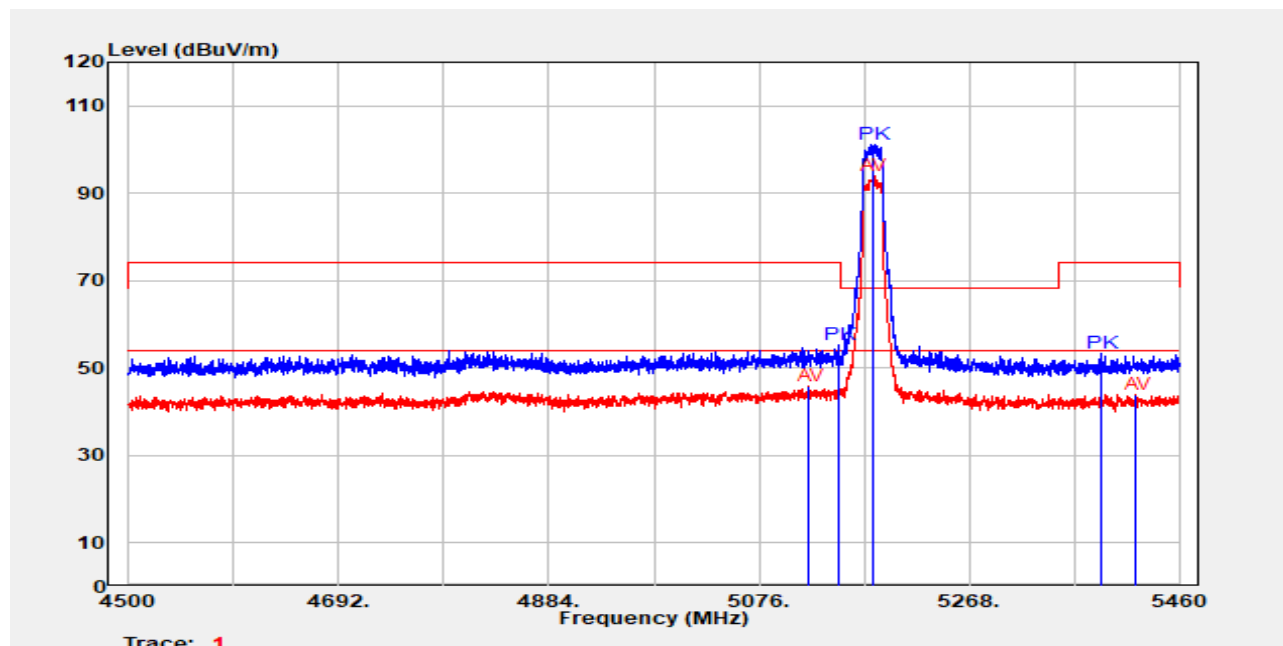
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5579.87	Peak	53.54	0.18	53.72	68.20	-14.48
5693.66	Peak	53.22	0.52	53.74	100.51	-46.77
5704.91	Peak	52.95	0.58	53.53	106.57	-53.04
5721.79	Peak	53.50	0.60	54.10	114.88	-60.78
5825.00	Peak	106.08	0.83	106.91	-	-
5853.71	Peak	62.99	0.89	63.88	113.74	-49.86
5861.63	Peak	65.04	0.93	65.97	108.94	-42.97
5889.56	Peak	60.03	1.04	61.07	94.43	-33.36
5936.24	Peak	53.98	1.14	55.12	68.20	-13.08

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Report Number :TERF2511003774E2
Operation Mode :802.11n20
Test Frequency :5180 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2025-11-07
Temp./Humi. :22.9°C/65%
Antenna Pol. :Vertical
Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5122.00	Average	45.77	0.11	45.88	54.00	-8.12
5149.12	Peak	55.02	0.13	55.15	74.00	-18.85
5180.00	Peak	101.35	-0.08	101.27	-	-
5180.00	Average	93.93	-0.08	93.85	-	-
5388.94	Peak	53.81	-0.35	53.46	74.00	-20.54
5420.87	Average	44.14	-0.18	43.96	54.00	-10.04

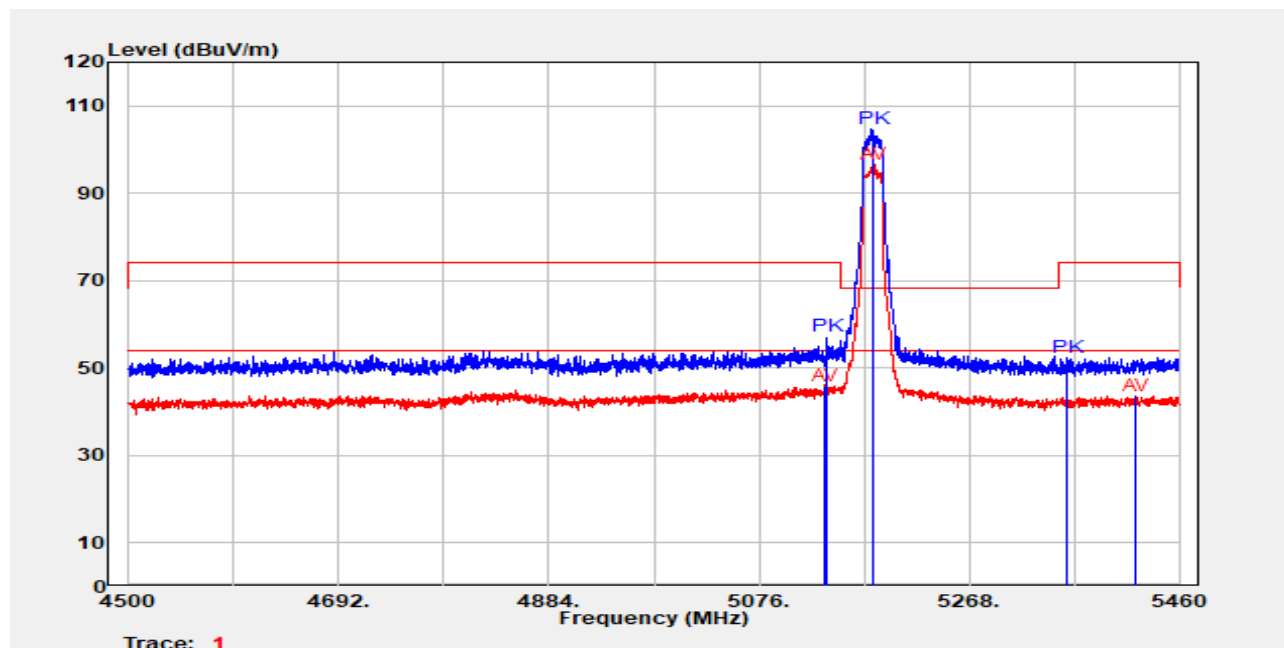
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Report Number :TERF2511003774E2
 Operation Mode :802.11n20
 Test Frequency :5180 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5135.92	Average	45.87	0.13	46.00	54.00	-8.00
5137.12	Peak	57.11	0.12	57.23	74.00	-16.77
5180.00	Peak	104.94	-0.08	104.66	-	-
5180.00	Average	96.61	-0.08	96.53	-	-
5357.01	Peak	52.97	-0.50	52.47	74.00	-21.53
5420.15	Average	43.88	-0.18	43.70	54.00	-10.30

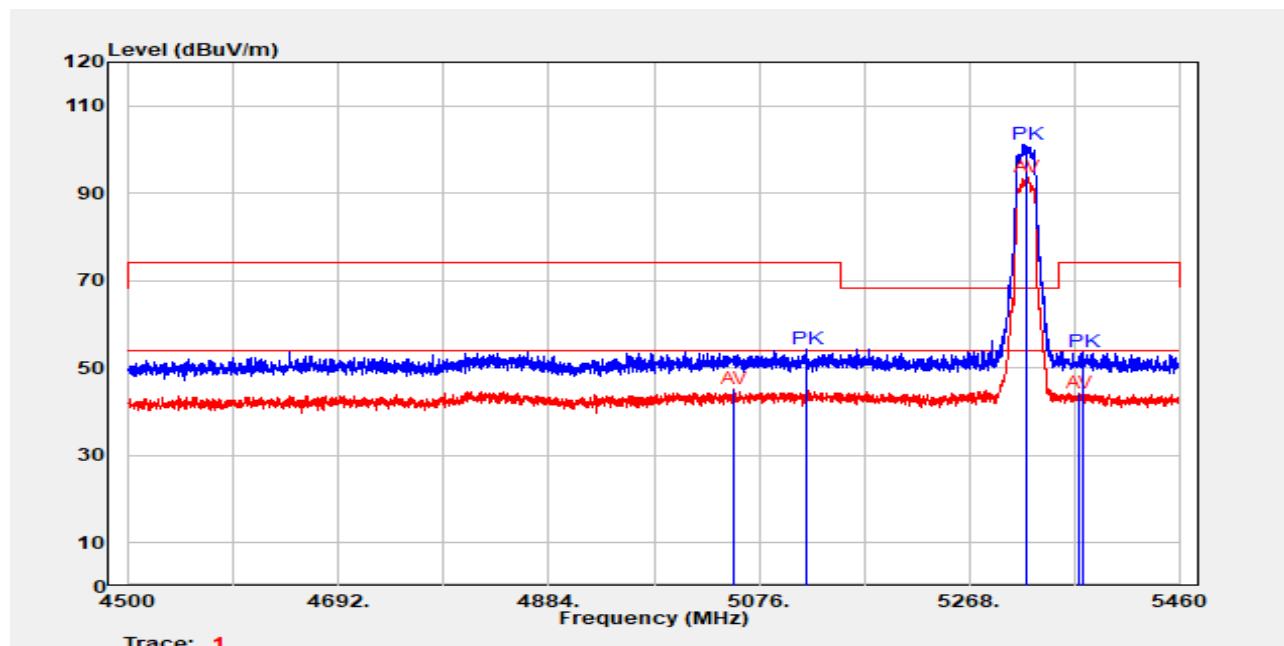
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Report Number :TERF2511003774E2
 Operation Mode :802.11n20
 Test Frequency :5320 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5052.38	Average	45.19	-0.10	45.09	54.00	-8.91
5119.84	Peak	54.26	0.11	54.37	74.00	-19.63
5320.00	Peak	101.88	-0.61	101.27	-	-
5320.00	Average	94.24	-0.61	93.63	-	-
5368.30	Average	44.68	-0.45	44.23	54.00	-9.77
5371.66	Peak	54.13	-0.43	53.70	74.00	-20.30

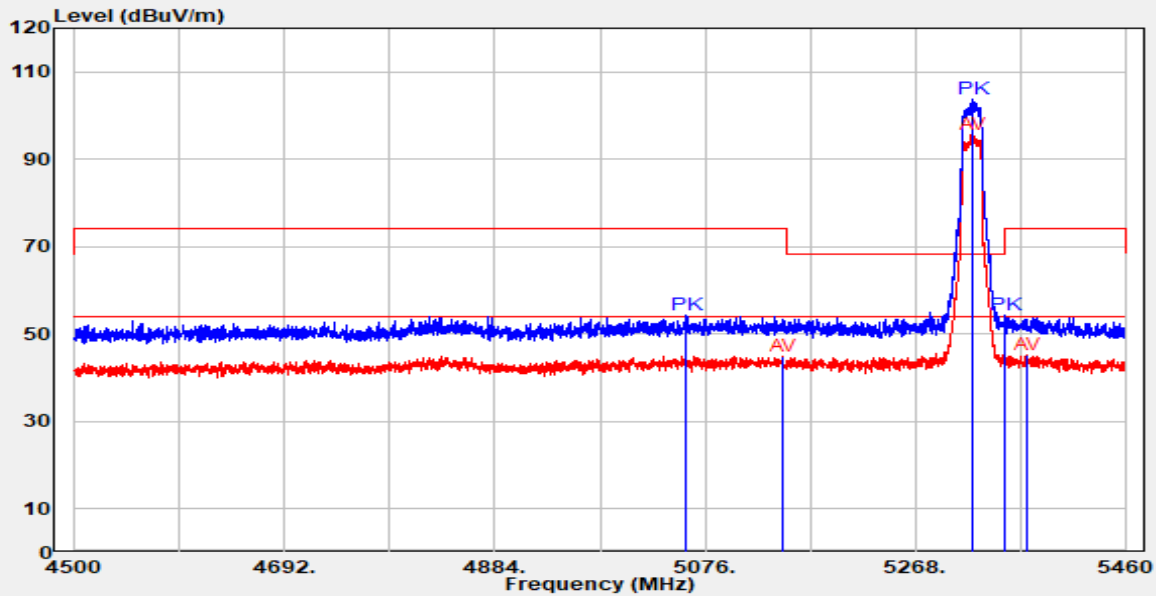
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Report Number :TERF2511003774E2
 Operation Mode :802.11n20
 Test Frequency :5320 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



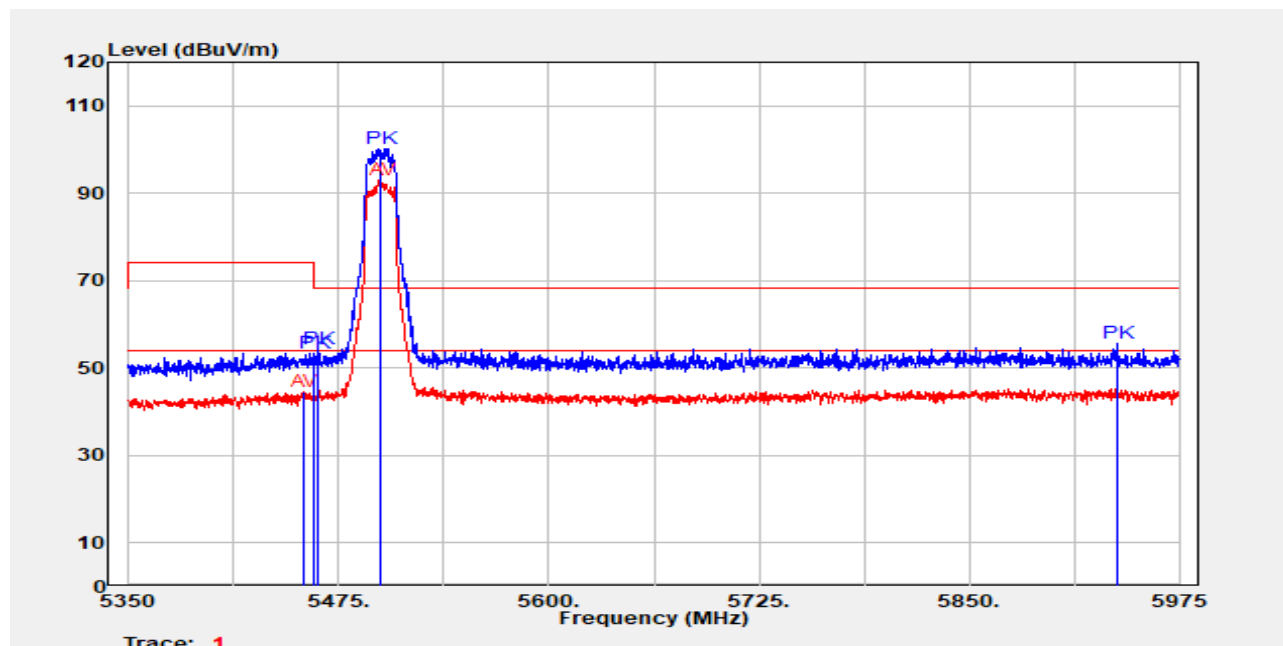
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5058.38	Peak	54.47	-0.08	54.39	74.00	-19.61
5146.48	Average	44.71	0.13	44.84	54.00	-9.16
5320.00	Peak	104.23	-0.61	103.62	-	-
5320.00	Average	96.32	-0.61	95.71	-	-
5350.53	Peak	54.82	-0.53	54.29	74.00	-19.71
5369.98	Average	45.60	-0.44	45.16	54.00	-8.84

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Report Number :TERF2511003774E2
 Operation Mode :802.11n20
 Test Frequency :5500 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5453.99	Average	44.42	0.01	44.43	54.00	-9.57
5459.62	Peak	53.40	0.04	53.44	74.00	-20.56
5461.91	Peak	54.38	0.06	54.44	68.20	-13.76
5500.00	Peak	100.00	0.27	100.27	-	-
5500.00	Average	92.64	0.27	92.91	-	-
5937.70	Peak	54.61	1.15	55.76	68.20	-12.44

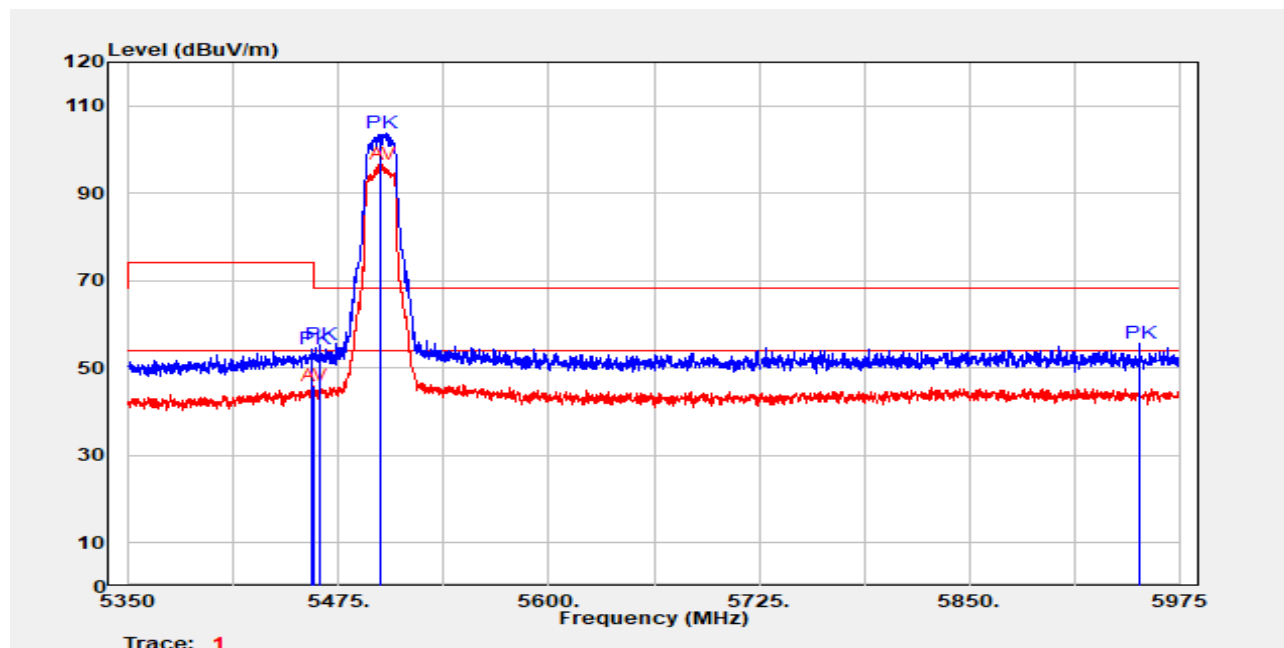
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Report Number :TERF2511003774E2
 Operation Mode :802.11n20
 Test Frequency :5500 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5459.41	Peak	54.25	0.04	54.29	74.00	-19.71
5459.62	Average	45.89	0.04	45.93	54.00	-8.07
5463.58	Peak	55.26	0.06	55.32	68.20	-12.88
5500.00	Peak	103.46	0.27	103.73	-	-
5500.00	Average	96.31	0.27	96.58	-	-
5951.45	Peak	54.42	1.17	55.59	68.20	-12.61

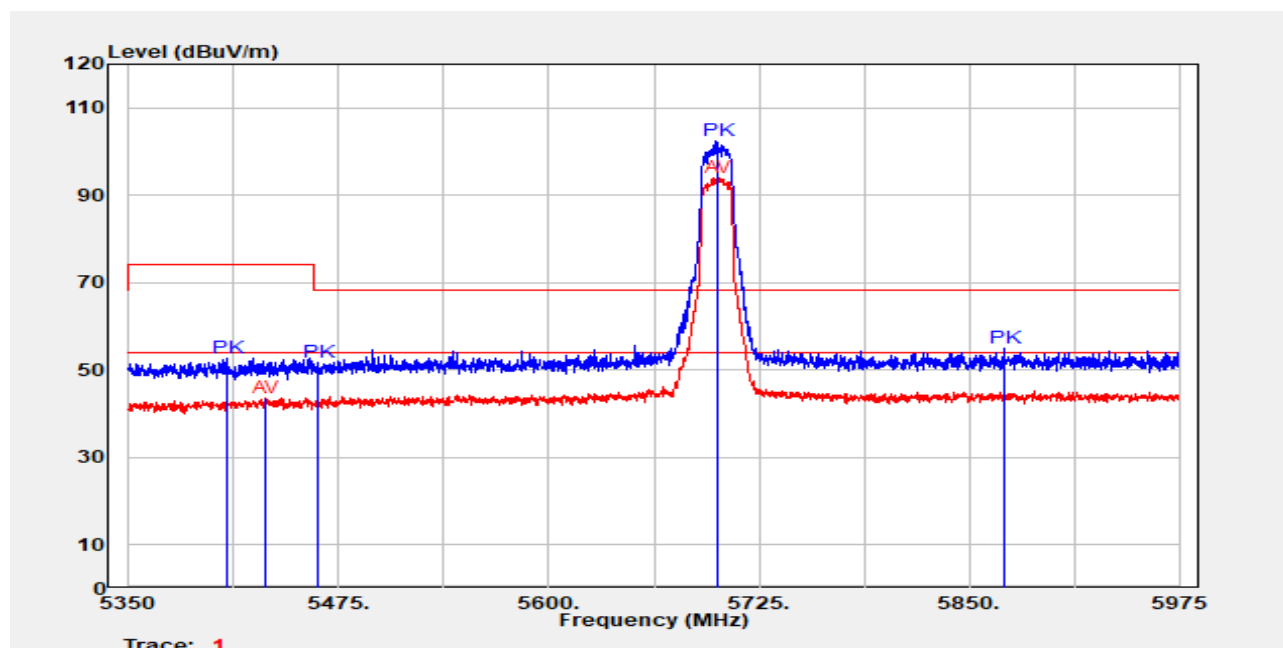
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Report Number :TERF2511003774E2
 Operation Mode :802.11n20
 Test Frequency :5700 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



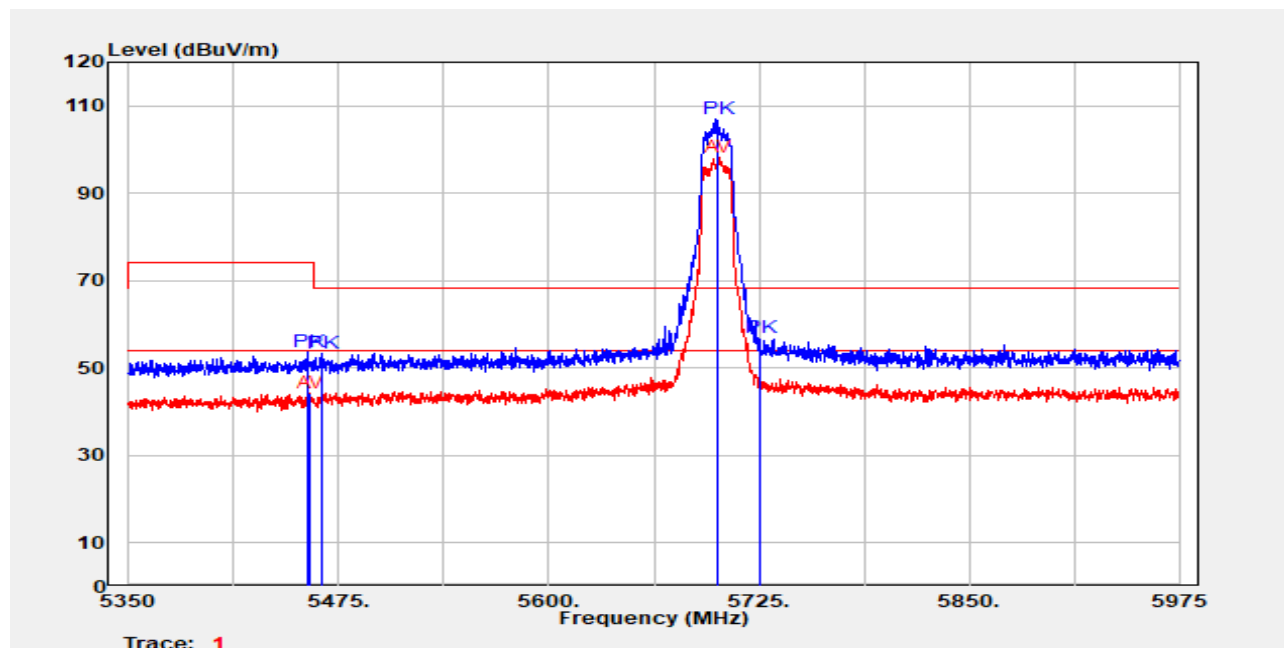
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5407.94	Peak	53.06	-0.25	52.81	74.00	-21.19
5431.07	Average	43.78	-0.13	43.65	54.00	-10.35
5462.54	Peak	51.65	0.06	51.71	68.20	-16.49
5700.00	Peak	101.77	0.56	102.33	-	-
5700.00	Average	93.57	0.56	94.13	-	-
5870.80	Peak	53.91	0.96	54.87	68.20	-13.33

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Report Number :TERF2511003774E2
 Operation Mode :802.11n20
 Test Frequency :5700 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



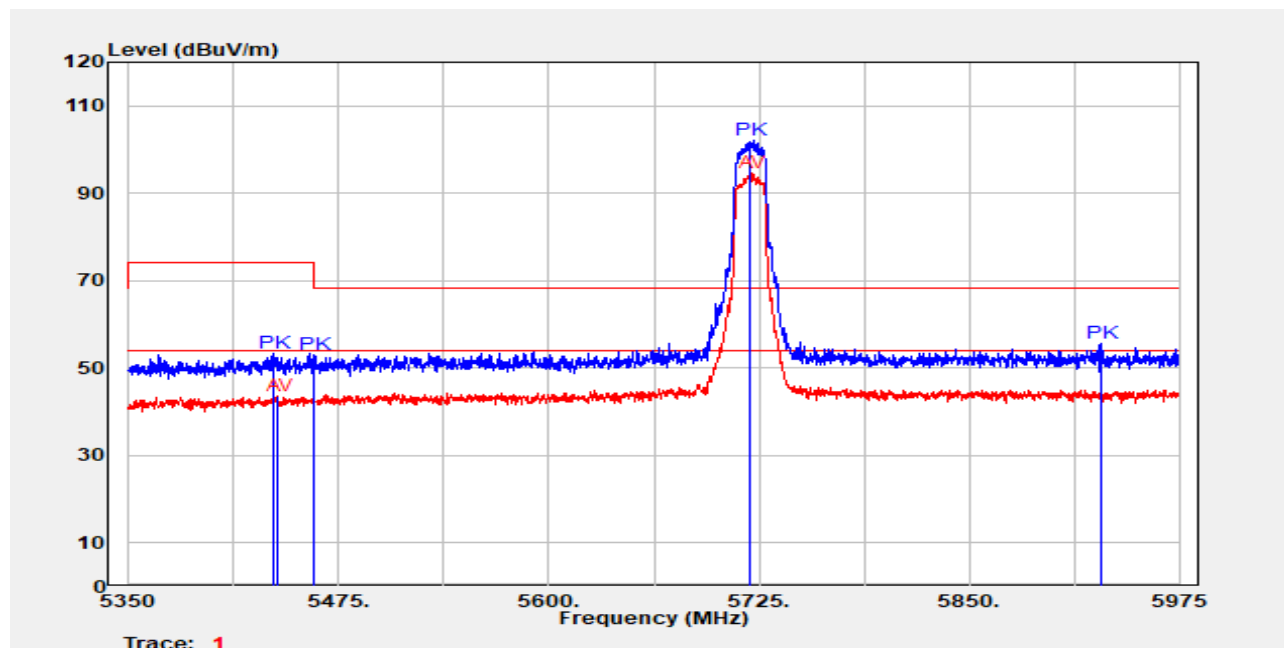
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5455.87	Peak	53.75	0.01	53.76	74.00	-20.24
5457.74	Average	44.04	0.03	44.07	54.00	-9.93
5464.62	Peak	53.29	0.07	53.36	68.20	-14.84
5700.00	Peak	106.45	0.56	107.01	-	-
5700.00	Average	97.62	0.56	98.18	-	-
5725.00	Peak	56.19	0.62	56.81	68.20	-11.39

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Report Number :TERF2511003774E2
 Operation Mode :802.11n20
 Test Frequency :5720 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5435.45	Peak	53.40	-0.10	53.30	74.00	-20.70
5438.78	Average	43.74	-0.08	43.66	54.00	-10.34
5460.45	Peak	52.83	0.04	52.87	68.20	-15.33
5720.00	Peak	101.59	0.60	102.19	-	-
5720.00	Average	93.89	0.60	94.49	-	-
5928.11	Peak	54.60	1.12	55.72	68.20	-12.48

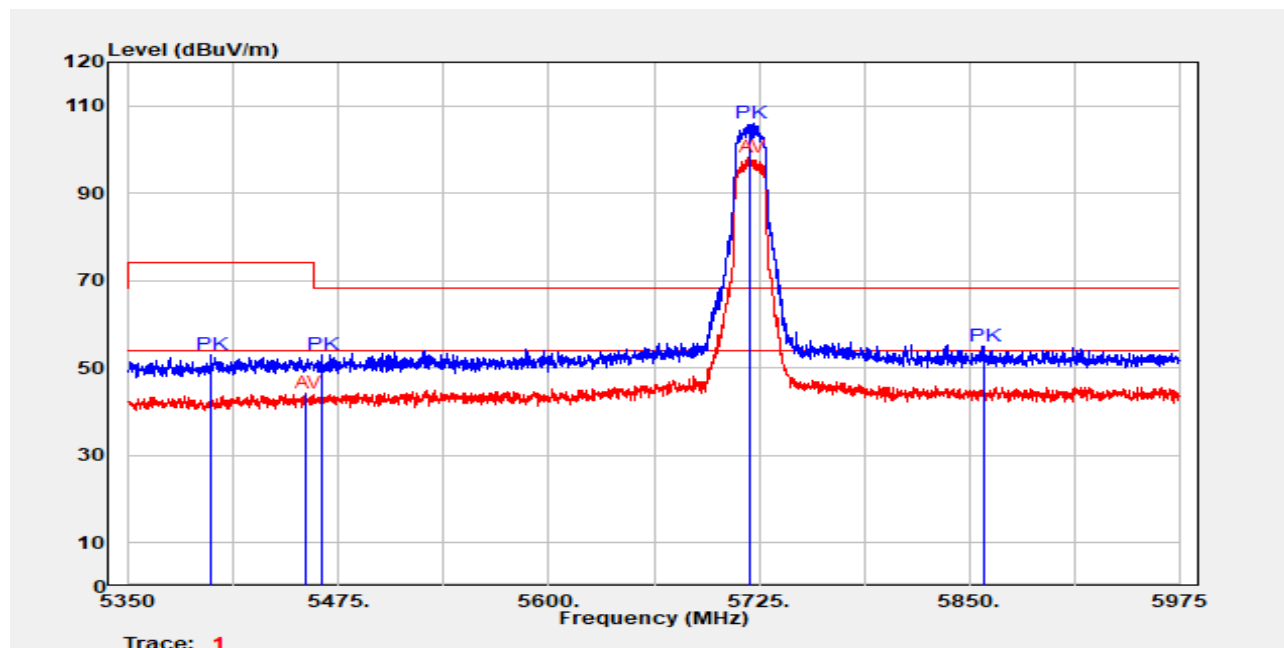
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Report Number :TERF2511003774E2
 Operation Mode :802.11n20
 Test Frequency :5720 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



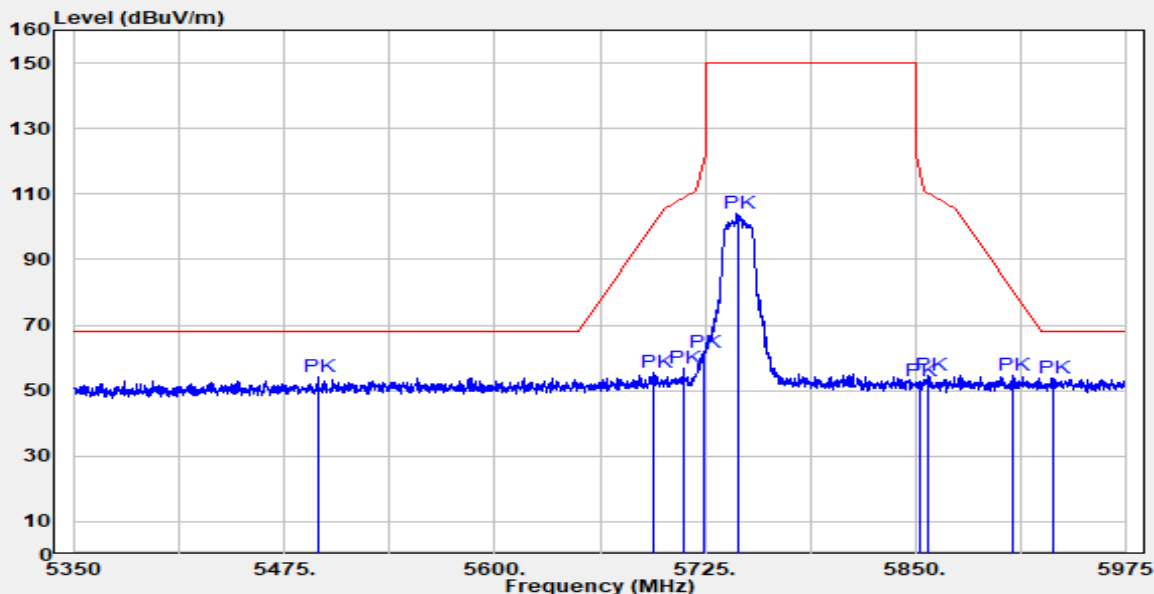
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5398.98	Peak	53.25	-0.30	52.95	74.00	-21.05
5455.45	Average	44.20	0.01	44.21	54.00	-9.79
5464.62	Peak	53.05	0.07	53.12	68.20	-15.08
5720.00	Peak	105.54	0.60	106.14	-	-
5720.00	Average	97.61	0.60	98.21	-	-
5858.50	Peak	54.05	0.91	54.96	68.20	-13.24

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Report Number :TERF2511003774E2
 Operation Mode :802.11n20
 Test Frequency :5745 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5494.63	Peak	54.15	0.25	54.40	68.20	-13.80
5694.91	Peak	54.87	0.53	55.40	101.43	-46.03
5712.62	Peak	56.35	0.59	56.94	108.73	-51.79
5724.71	Peak	60.87	0.62	61.49	121.53	-60.04
5745.00	Peak	103.37	0.66	104.03	-	-
5852.88	Peak	51.89	0.89	52.78	115.64	-62.86
5858.29	Peak	53.52	0.91	54.43	109.88	-55.45
5908.73	Peak	53.43	1.09	54.52	80.24	-25.72
5932.28	Peak	52.64	1.14	53.78	68.20	-14.42

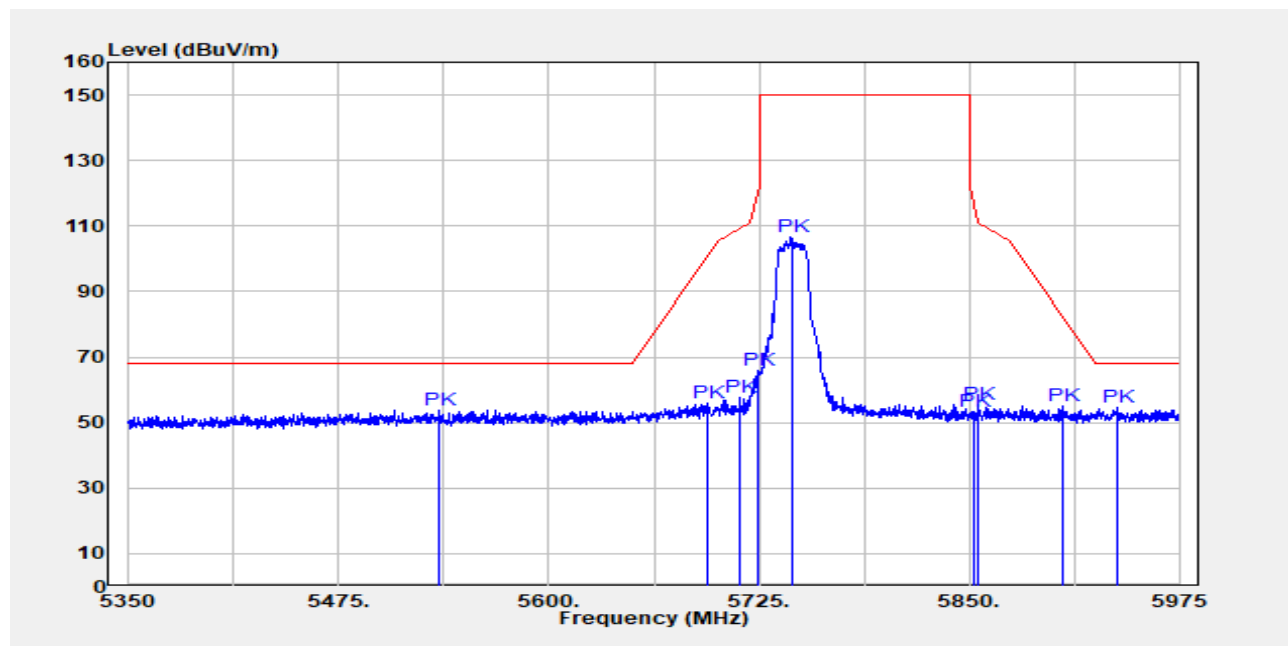
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Report Number :TERF2511003774E2
 Operation Mode :802.11n20
 Test Frequency :5745 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



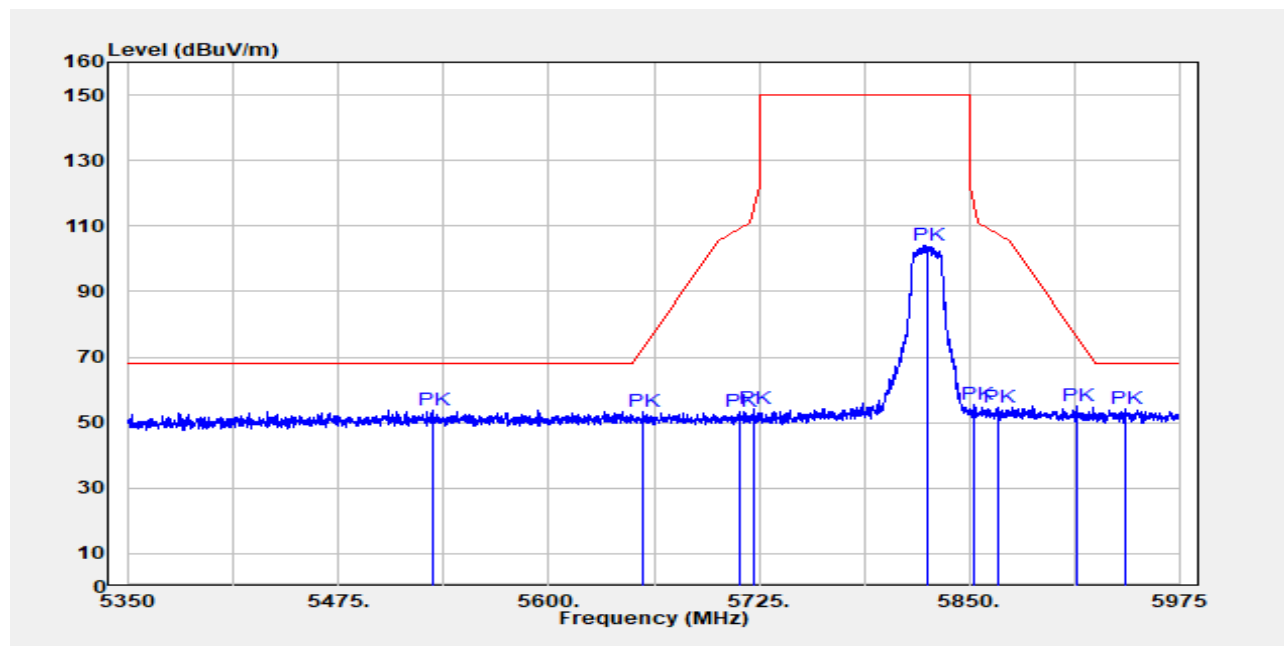
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5535.06	Peak	53.49	0.28	53.77	68.20	-14.43
5693.87	Peak	55.42	0.53	55.95	100.66	-44.71
5713.66	Peak	57.18	0.60	57.78	109.03	-51.25
5724.71	Peak	65.27	0.62	65.89	121.53	-55.64
5745.00	Peak	105.84	0.66	106.50	-	-
5852.46	Peak	52.37	0.89	53.26	116.59	-63.33
5855.17	Peak	54.49	0.90	55.39	110.75	-55.36
5906.23	Peak	54.01	1.09	55.10	82.09	-26.99
5938.11	Peak	53.35	1.15	54.50	68.20	-13.70

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Report Number :TERF2511003774E2
 Operation Mode :802.11n20
 Test Frequency :5825 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



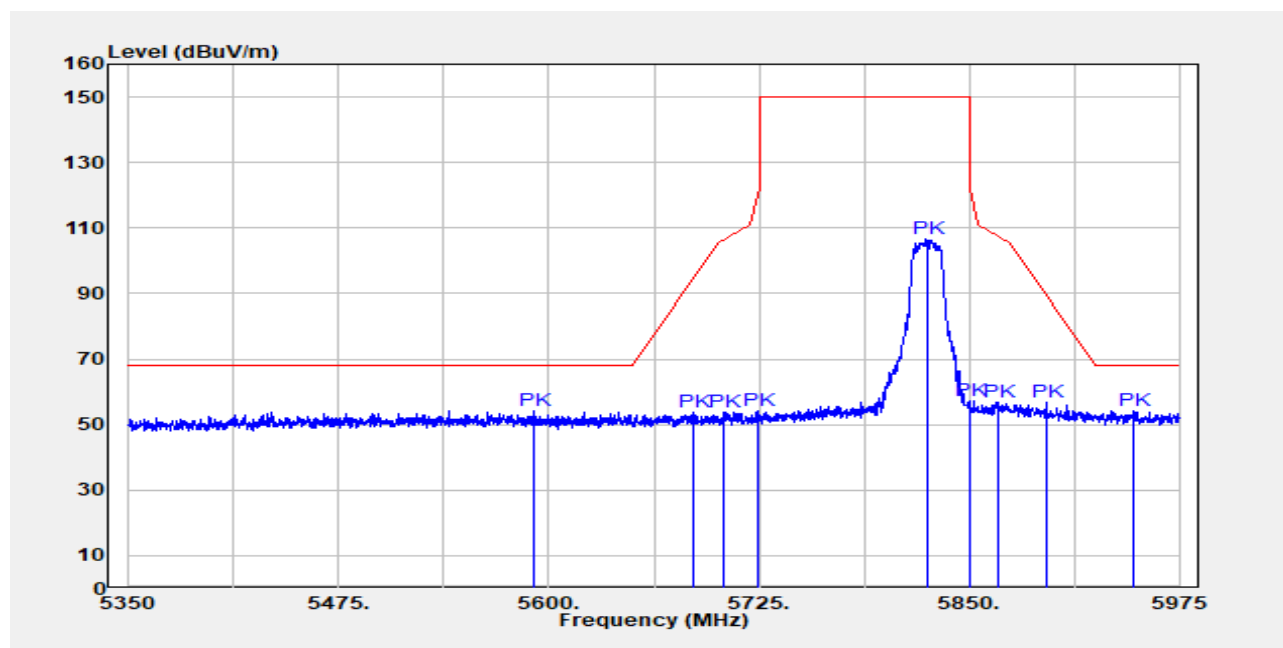
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5531.10	Peak	53.42	0.28	53.70	68.20	-14.50
5656.35	Peak	52.90	0.32	53.22	72.90	-19.68
5713.87	Peak	52.83	0.60	53.43	109.08	-55.65
5722.00	Peak	53.69	0.60	54.29	115.36	-61.07
5825.00	Peak	103.34	0.83	104.17	-	-
5853.50	Peak	54.83	0.89	55.72	114.22	-58.50
5866.84	Peak	53.62	0.95	54.57	107.49	-52.92
5914.56	Peak	54.01	1.11	55.12	75.92	-20.80
5942.49	Peak	53.12	1.15	54.27	68.20	-13.93

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Report Number :TERF2511003774E2
 Operation Mode :802.11n20
 Test Frequency :5825 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



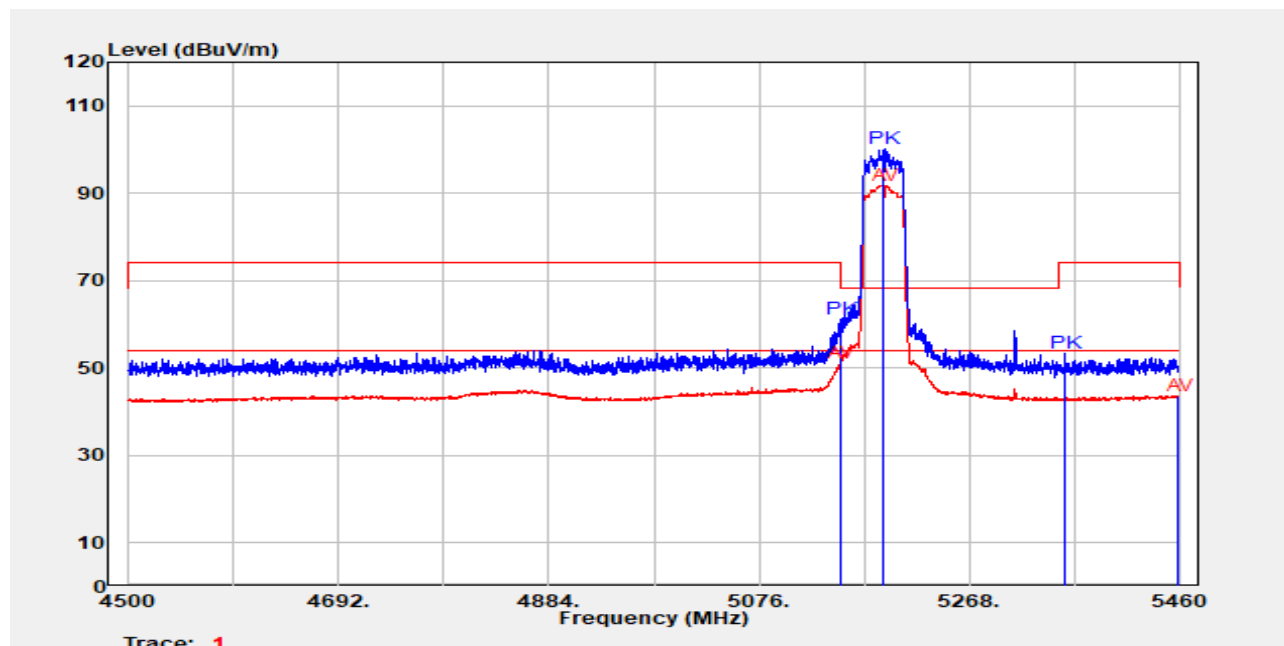
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5591.54	Peak	53.89	0.14	54.03	68.20	-14.17
5685.53	Peak	53.30	0.47	53.77	94.49	-40.72
5704.49	Peak	53.13	0.57	53.70	106.46	-52.76
5724.08	Peak	53.60	0.62	54.22	120.11	-65.89
5825.00	Peak	105.64	0.83	106.47	-	-
5850.00	Peak	56.51	0.88	57.39	122.20	-64.81
5867.26	Peak	55.84	0.95	56.79	107.37	-50.58
5896.02	Peak	55.68	1.06	56.74	89.65	-32.91
5948.12	Peak	53.11	1.16	54.27	68.20	-13.93

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Report Number :TERF2511003774E2
 Operation Mode :802.11n40
 Test Frequency :5190 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5150.00	Peak	60.84	0.14	60.98	74.00	-13.02
5150.00	Average	50.87	0.14	51.01	54.00	-2.99
5190.00	Peak	100.22	-0.16	100.06	-	-
5190.00	Average	92.00	-0.16	91.84	-	-
5355.57	Peak	53.86	-0.51	53.35	74.00	-20.65
5459.28	Average	43.61	0.04	43.65	54.00	-10.35

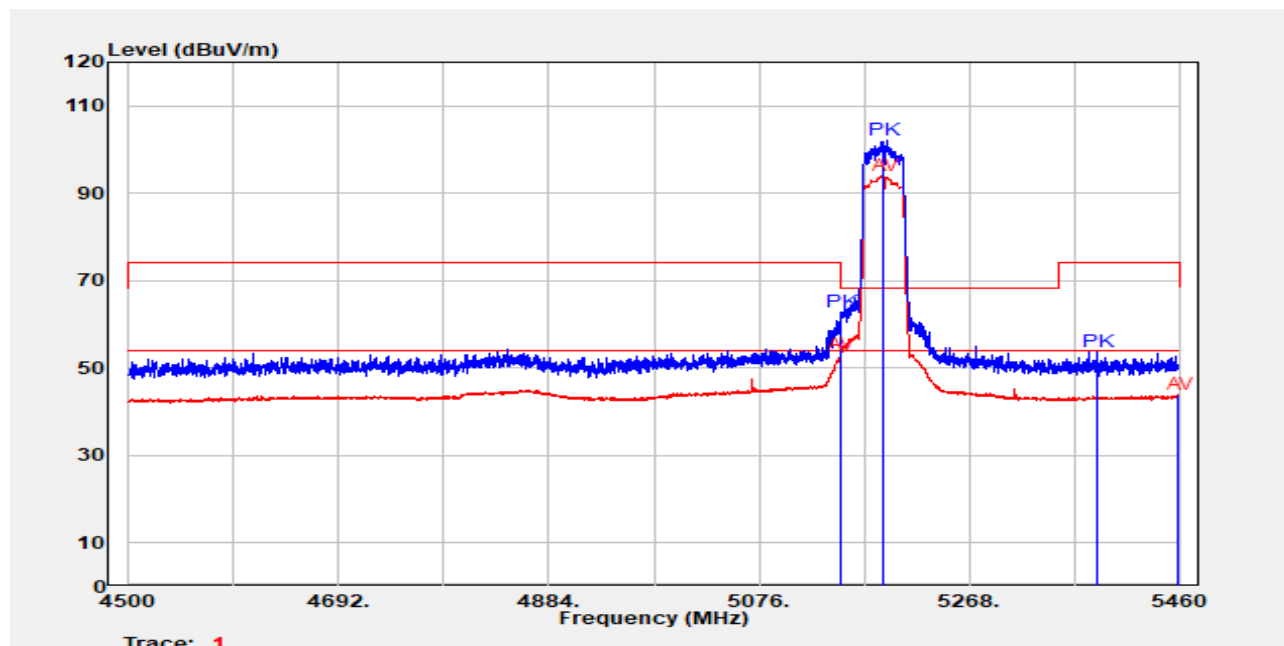
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Report Number :TERF2511003774E2
 Operation Mode :802.11n40
 Test Frequency :5190 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



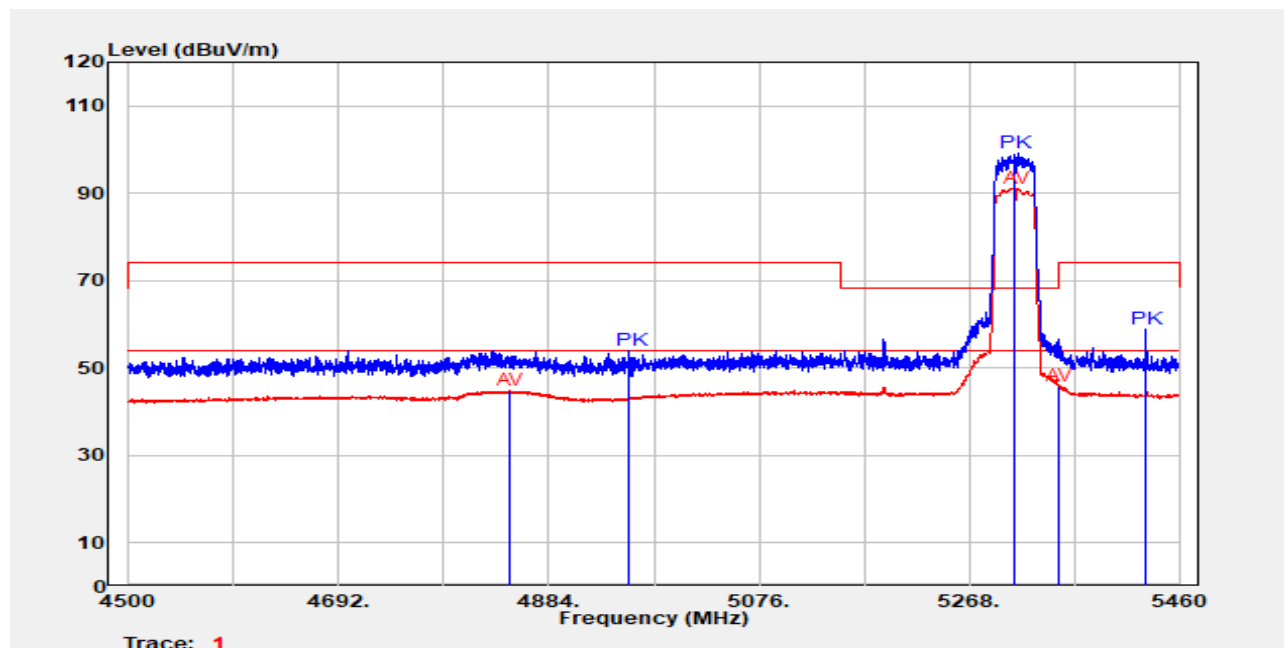
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5150.00	Peak	62.51	0.14	62.65	74.00	-11.35
5150.00	Average	52.75	0.14	52.89	54.00	-1.11
5190.00	Peak	102.11	-0.16	101.95	-	-
5190.00	Average	94.03	-0.16	93.87	-	-
5384.62	Peak	54.06	-0.37	53.69	74.00	-20.31
5459.76	Average	43.76	0.04	43.80	54.00	-10.20

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Report Number :TERF2511003774E2
 Operation Mode :802.11n40
 Test Frequency :5310 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
4848.33	Average	45.56	-0.78	44.78	54.00	-9.22
4957.79	Peak	54.64	-0.50	54.14	74.00	-19.86
5310.00	Peak	99.69	-0.63	99.06	-	-
5310.00	Average	91.71	-0.63	91.08	-	-
5350.05	Average	46.47	-0.53	45.94	54.00	-8.06
5429.75	Peak	59.00	-0.13	58.87	74.00	-15.13

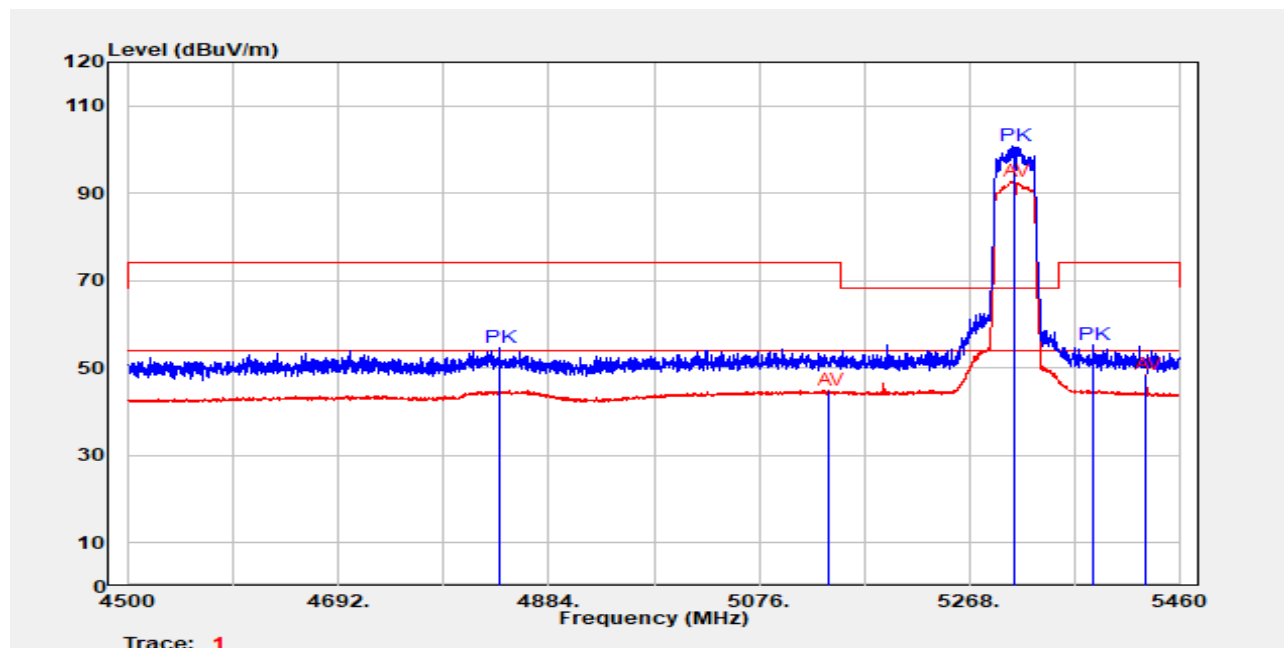
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Report Number :TERF2511003774E2
 Operation Mode :802.11n40
 Test Frequency :5310 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
4839.45	Peak	55.38	-0.78	54.60	74.00	-19.40
5140.48	Average	44.89	0.13	45.02	54.00	-8.98
5310.00	Peak	101.31	-0.63	100.68	-	-
5310.00	Average	93.23	-0.63	92.60	-	-
5381.74	Peak	55.51	-0.38	55.13	74.00	-18.87
5429.75	Average	48.46	-0.13	48.33	54.00	-5.67

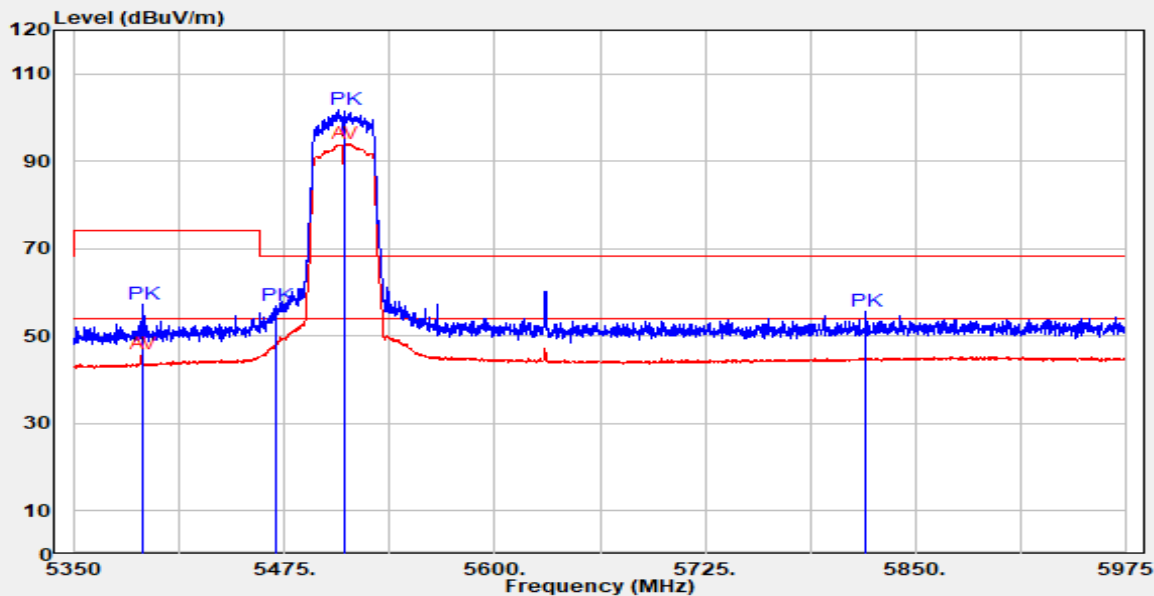
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Report Number :TERF2511003774E2
 Operation Mode :802.11n40
 Test Frequency :5510 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5390.01	Peak	57.71	-0.35	57.36	74.00	-16.64
5390.01	Average	46.16	-0.35	45.81	54.00	-8.19
5469.21	Peak	56.95	0.10	57.05	68.20	-11.15
5510.00	Peak	101.43	0.27	101.70	-	-
5510.00	Average	93.63	0.27	93.90	-	-
5820.78	Peak	54.79	0.82	55.61	68.20	-12.59

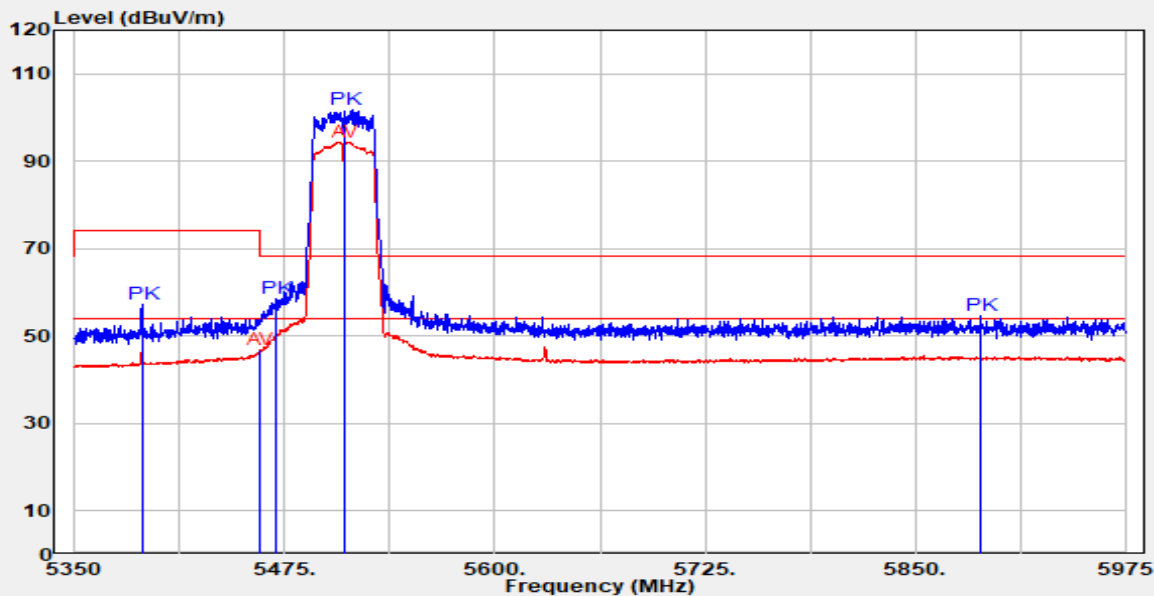
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Report Number :TERF2511003774E2
 Operation Mode :802.11n40
 Test Frequency :5510 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5390.22	Peak	57.63	-0.35	57.28	74.00	-16.72
5460.00	Average	46.72	0.04	46.76	54.00	-7.24
5469.42	Peak	58.32	0.10	58.42	68.20	-9.78
5510.00	Peak	101.40	0.27	101.67	-	-
5510.00	Average	94.09	0.27	94.36	-	-
5889.35	Peak	53.50	1.04	54.54	68.20	-13.66

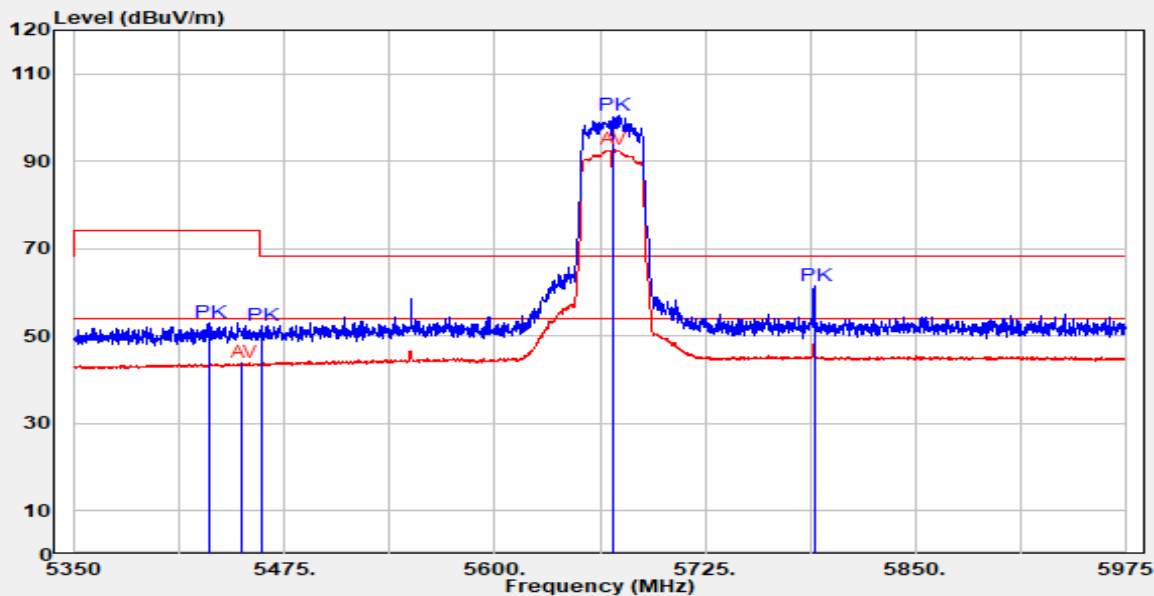
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Report Number :TERF2511003774E2
 Operation Mode :802.11n40
 Test Frequency :5670 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5429.61	Peak	53.30	-0.13	53.17	74.00	-20.83
5449.83	Average	43.83	-0.02	43.81	54.00	-10.19
5460.66	Peak	52.41	0.04	52.45	68.20	-15.75
5670.00	Peak	100.24	0.40	100.64	-	-
5670.00	Average	92.14	0.40	92.54	-	-
5790.15	Peak	60.60	0.76	61.36	68.20	-6.84

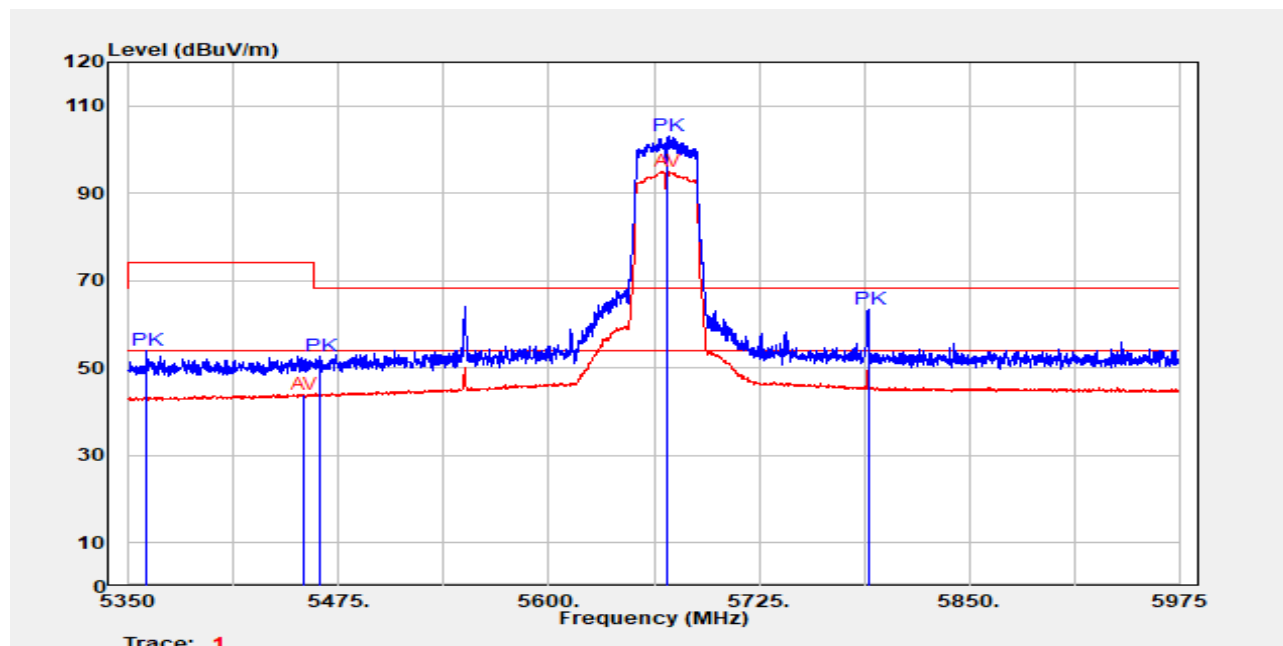
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Report Number :TERF2511003774E2
 Operation Mode :802.11n40
 Test Frequency :5670 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



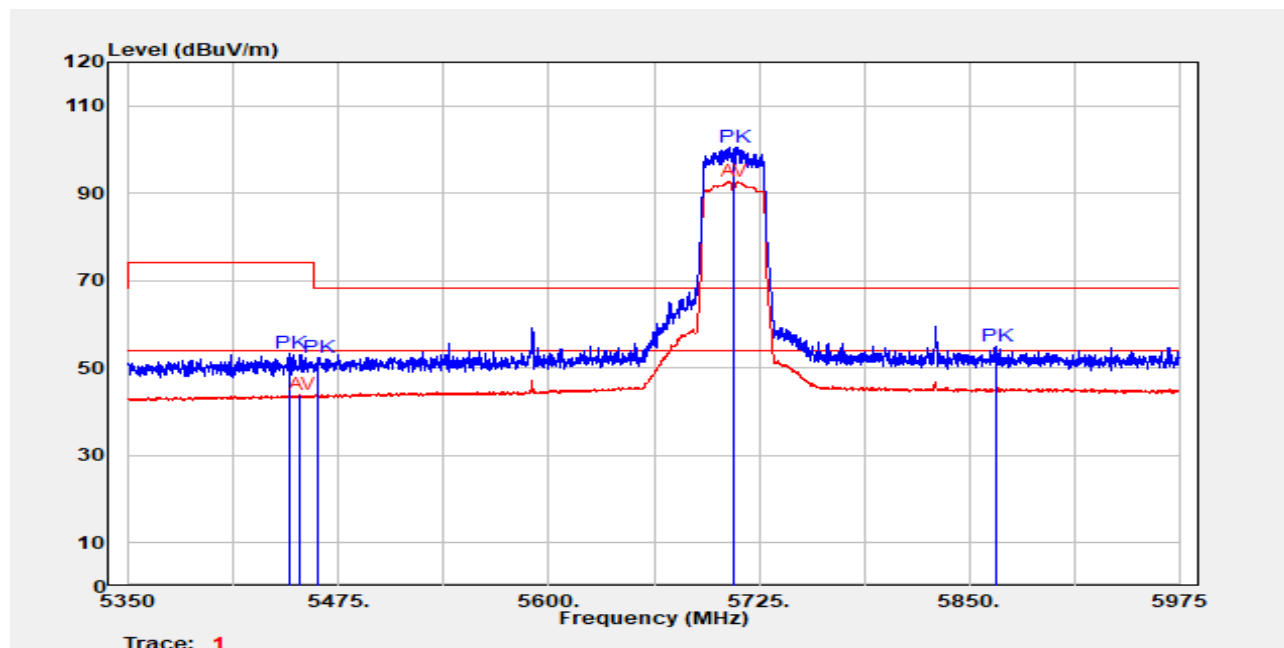
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5360.84	Peak	54.38	-0.49	53.89	74.00	-20.11
5453.99	Average	43.93	0.01	43.94	54.00	-10.06
5464.00	Peak	52.75	0.07	52.82	68.20	-15.38
5670.00	Peak	102.58	0.40	102.98	-	-
5670.00	Average	94.45	0.40	94.85	-	-
5789.94	Peak	62.56	0.76	63.32	68.20	-4.88

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Report Number :TERF2511003774E2
 Operation Mode :802.11n40
 Test Frequency :5710 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



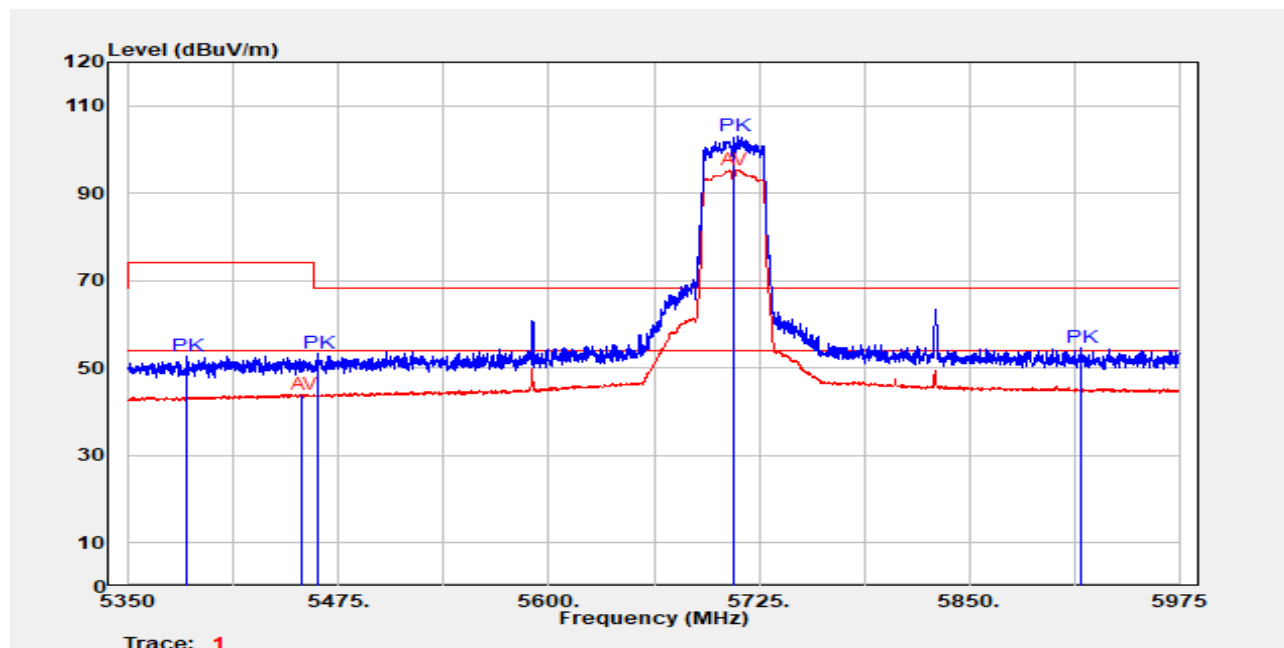
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5445.24	Peak	53.27	-0.04	53.23	74.00	-20.77
5451.91	Average	43.76	0.00	43.76	54.00	-10.24
5461.91	Peak	52.39	0.06	52.45	68.20	-15.75
5710.00	Peak	99.97	0.58	100.55	-	-
5710.00	Average	92.01	0.58	92.59	-	-
5865.59	Peak	54.05	0.94	54.99	68.20	-13.21

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Report Number :TERF2511003774E2
 Operation Mode :802.11n40
 Test Frequency :5710 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



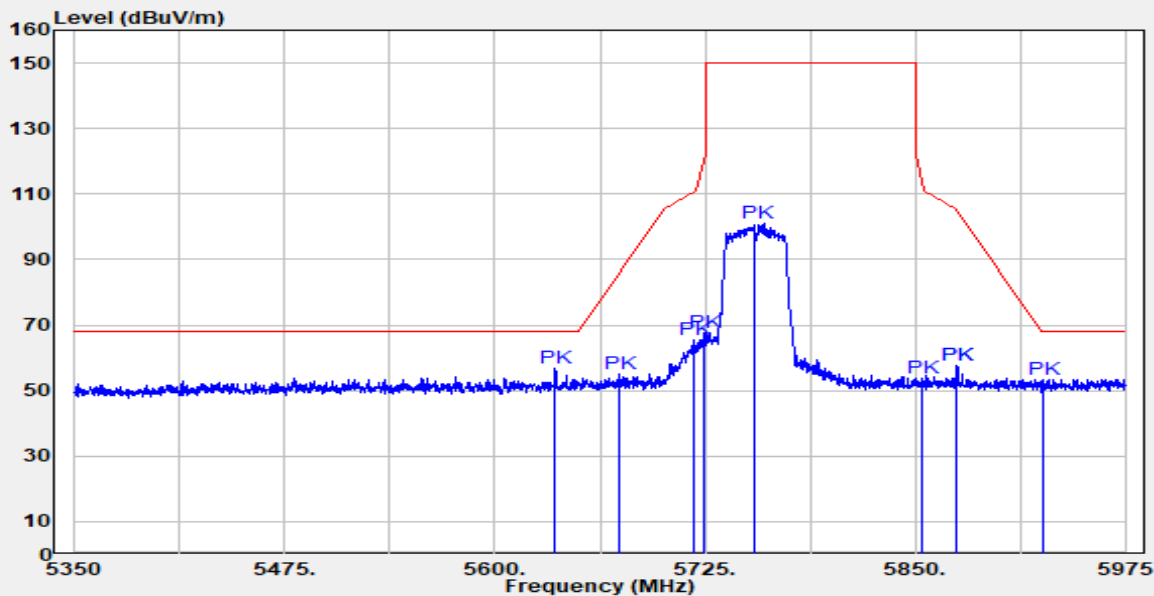
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5384.39	Peak	53.17	-0.37	52.80	74.00	-21.20
5453.16	Average	44.01	0.00	44.01	54.00	-9.99
5462.75	Peak	53.12	0.06	53.18	68.20	-15.02
5710.00	Peak	102.36	0.58	102.94	-	-
5710.00	Average	94.79	0.58	95.37	-	-
5916.44	Peak	53.65	1.11	54.76	68.20	-13.44

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Report Number :TERF2511003774E2
 Operation Mode :802.11n40
 Test Frequency :5755 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5635.93	Peak	56.61	0.23	56.84	68.20	-11.36
5673.65	Peak	54.75	0.41	55.16	85.70	-30.54
5718.04	Peak	64.88	0.60	65.48	110.25	-44.77
5724.92	Peak	66.88	0.62	67.50	122.01	-54.51
5755.00	Peak	100.15	0.68	100.83	-	-
5854.13	Peak	52.97	0.90	53.87	112.79	-58.92
5874.97	Peak	56.75	0.98	57.73	105.21	-47.48
5874.97	Peak	56.75	0.98	57.73	105.21	-47.48
5925.82	Peak	52.41	1.12	53.53	68.20	-14.67

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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

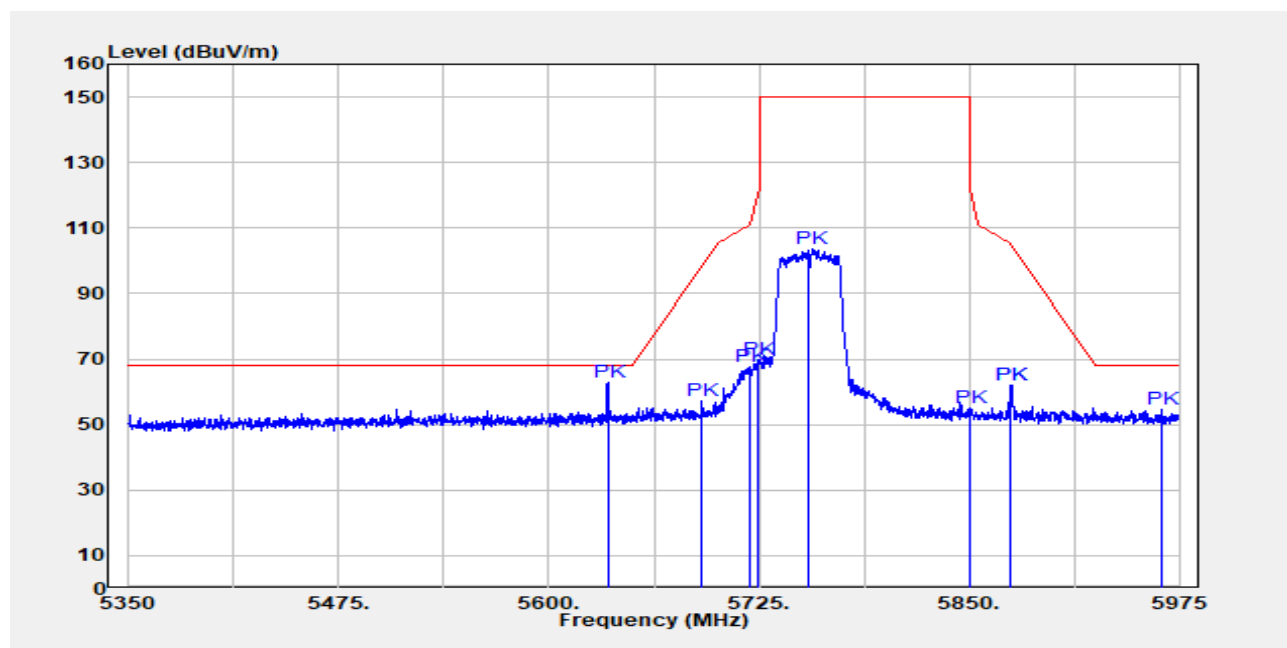
f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Report Number :TERF2511003774E2
 Operation Mode :802.11n40
 Test Frequency :5755 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



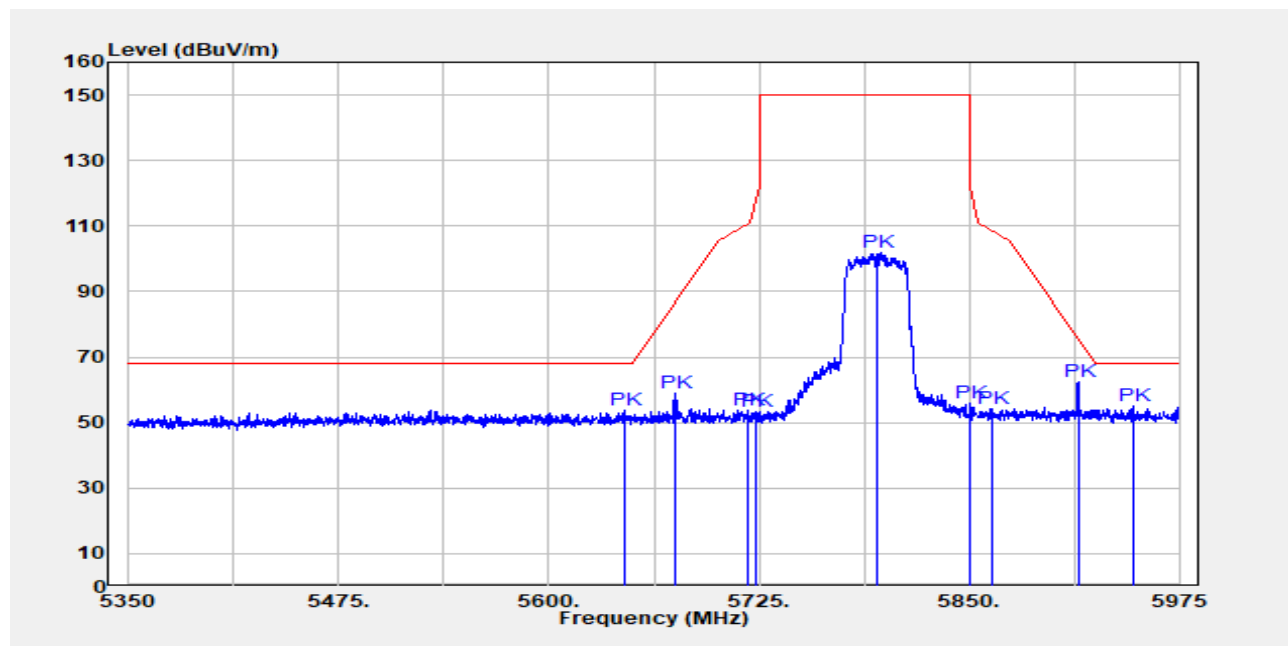
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5634.89	Peak	62.58	0.23	62.81	68.20	-5.39
5691.16	Peak	56.64	0.51	57.15	98.65	-41.50
5719.29	Peak	67.25	0.60	67.85	110.60	-42.75
5724.71	Peak	69.31	0.62	69.93	121.53	-51.60
5755.00	Peak	103.06	0.68	103.74	-	-
5851.00	Peak	54.22	0.88	55.10	119.92	-64.82
5874.97	Peak	61.23	0.98	62.21	105.21	-43.00
5874.97	Peak	61.23	0.98	62.21	105.21	-43.00
5964.37	Peak	53.22	1.22	54.44	68.20	-13.76

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Report Number :TERF2511003774E2
 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex 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	53.50	0.27	53.77	68.20	-14.43
5675.32	Peak	58.38	0.42	58.80	86.93	-28.13
5718.25	Peak	53.34	0.60	53.94	110.31	-56.37
5723.67	Peak	52.60	0.62	53.22	119.16	-65.94
5795.00	Peak	101.20	0.76	101.96	-	-
5850.79	Peak	55.24	0.88	56.12	120.39	-64.27
5863.30	Peak	53.34	0.93	54.27	108.48	-54.21
5914.98	Peak	61.22	1.11	62.33	75.61	-13.28
5947.28	Peak	53.97	1.16	55.13	68.20	-13.07

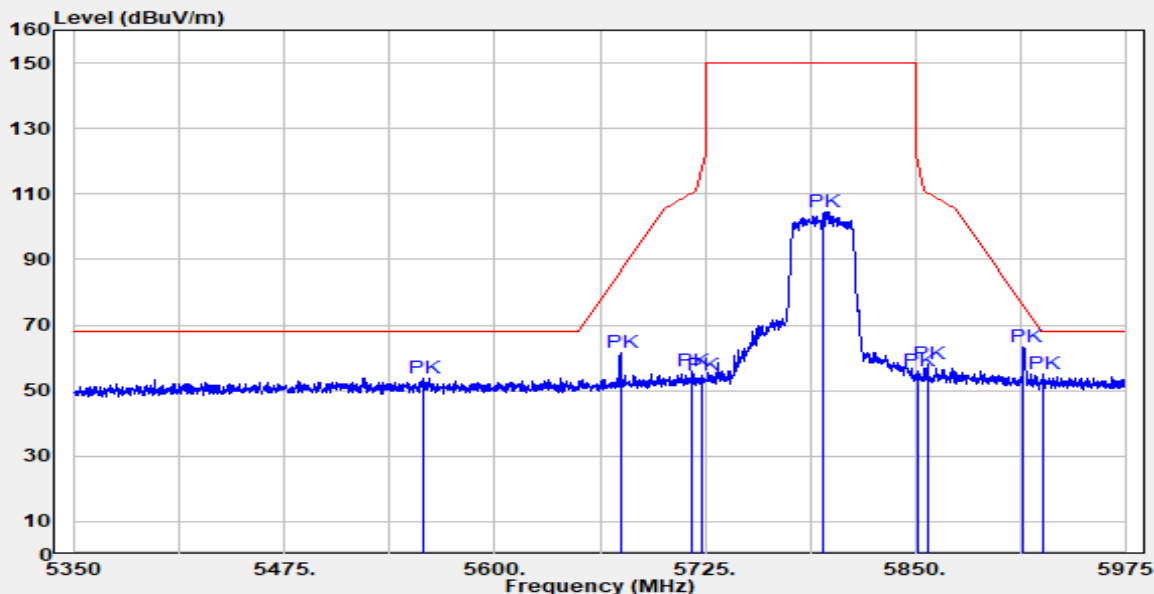
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 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



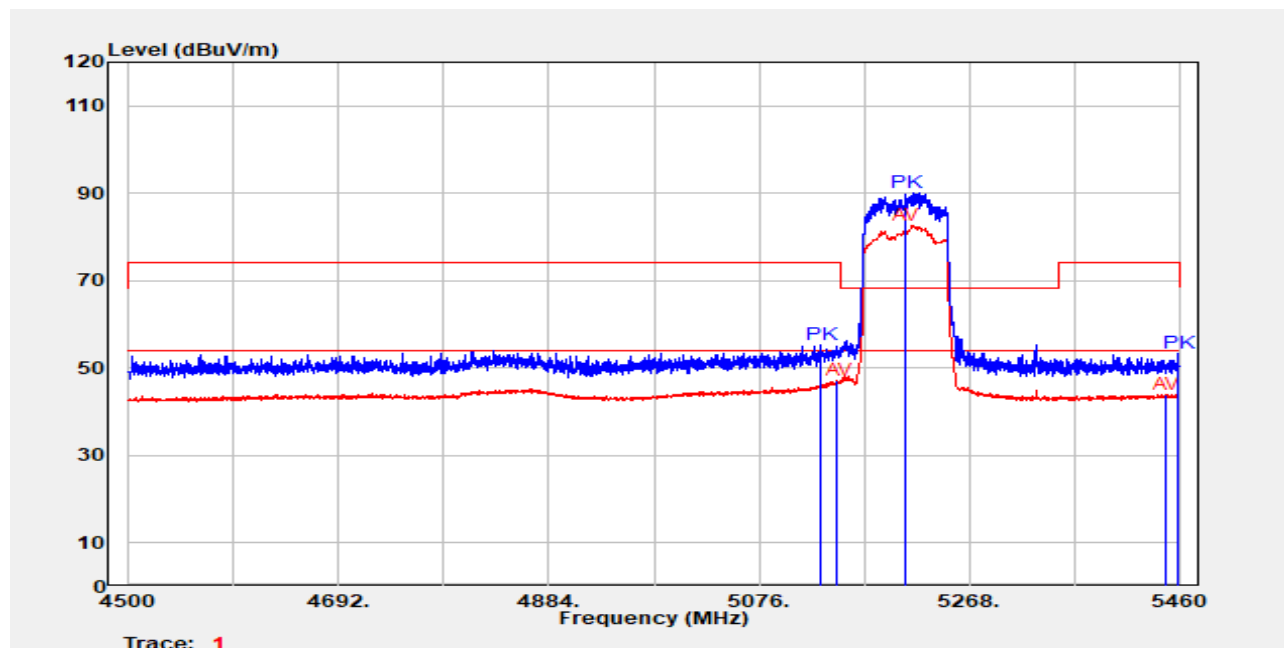
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5557.78	Peak	53.67	0.27	53.94	68.20	-14.26
5675.11	Peak	61.17	0.42	61.59	86.78	-25.19
5717.00	Peak	55.22	0.59	55.81	109.96	-54.15
5723.46	Peak	53.81	0.62	54.43	118.68	-64.25
5795.00	Peak	103.92	0.76	104.68	-	-
5852.25	Peak	54.96	0.89	55.85	117.07	-61.22
5857.25	Peak	57.29	0.91	58.20	110.17	-51.97
5914.77	Peak	62.00	1.11	63.11	75.77	-12.66
5926.03	Peak	53.83	1.12	54.95	68.20	-13.25

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Report Number :TERF2511003774E2
 Operation Mode :802.11ac80
 Test Frequency :5210 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5132.80	Peak	55.25	0.13	55.38	74.00	-18.62
5147.92	Average	46.89	0.13	47.02	54.00	-6.98
5210.00	Peak	90.47	-0.30	90.17	-	-
5210.00	Average	82.83	-0.30	82.53	-	-
5447.04	Average	43.95	-0.03	43.92	54.00	-10.08
5459.28	Peak	53.30	0.04	53.34	74.00	-20.66

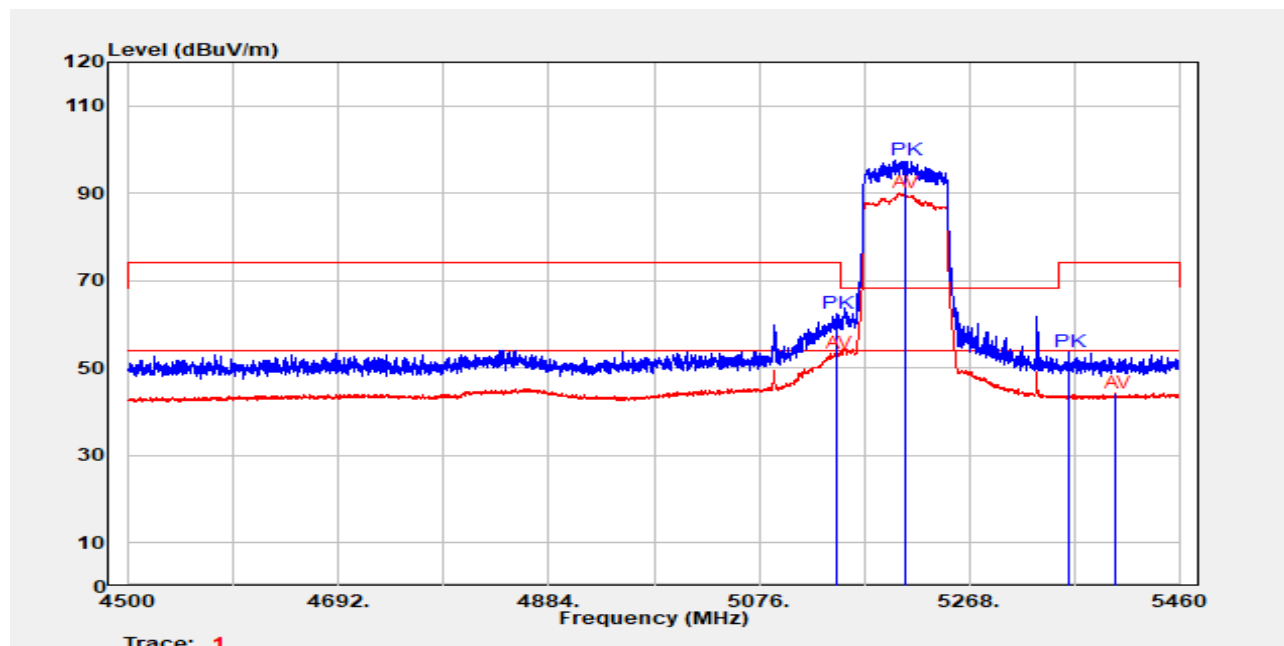
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Report Number :TERF2511003774E2
 Operation Mode :802.11ac80
 Test Frequency :5210 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



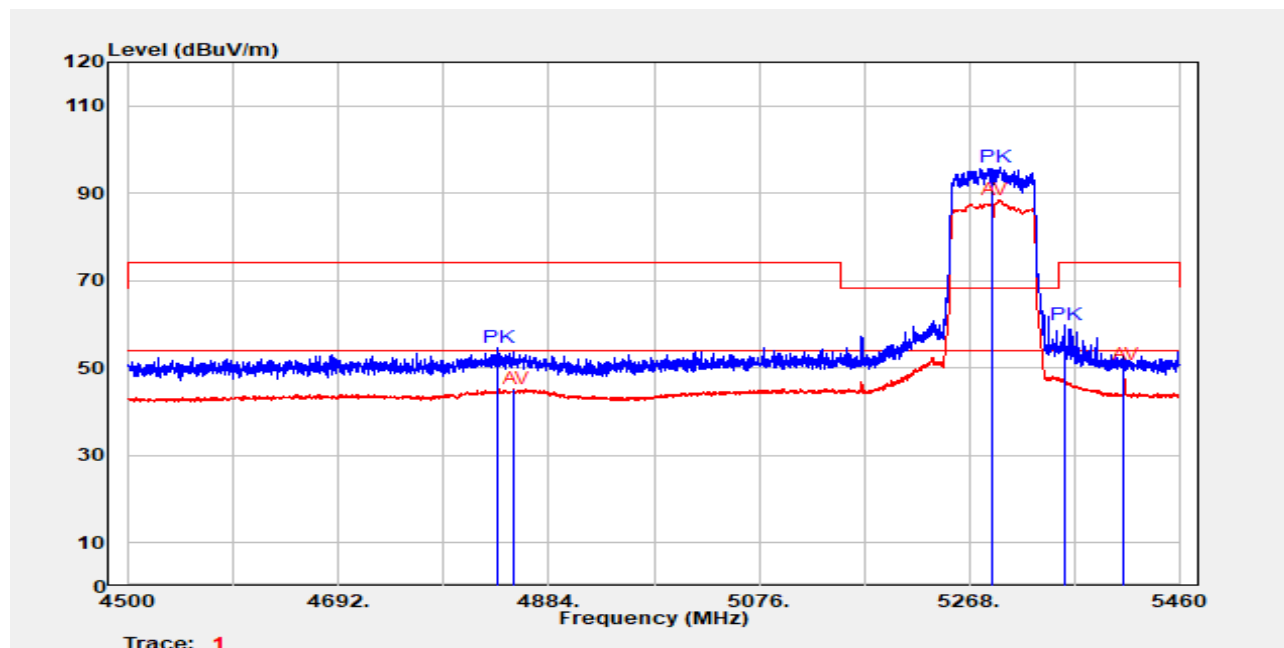
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5146.72	Peak	62.35	0.13	62.48	74.00	-11.52
5147.44	Average	53.17	0.12	53.29	54.00	-0.71
5210.00	Peak	97.76	-0.30	97.46	-	-
5210.00	Average	90.30	-0.30	90.00	-	-
5358.94	Peak	54.02	-0.49	53.53	74.00	-20.47
5402.15	Average	44.47	-0.29	44.18	54.00	-9.82

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Report Number :TERF2511003774E2
 Operation Mode :802.11ac80
 Test Frequency :5290 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4836.56	Peak	55.27	-0.78	54.49	74.00	-19.51
4852.17	Average	45.93	-0.78	45.15	54.00	-8.85
5290.00	Peak	96.62	-0.63	95.99	-	-
5290.00	Average	89.03	-0.63	88.40	-	-
5354.85	Peak	60.50	-0.51	59.99	74.00	-14.01
5409.59	Average	51.00	-0.24	50.76	54.00	-3.24

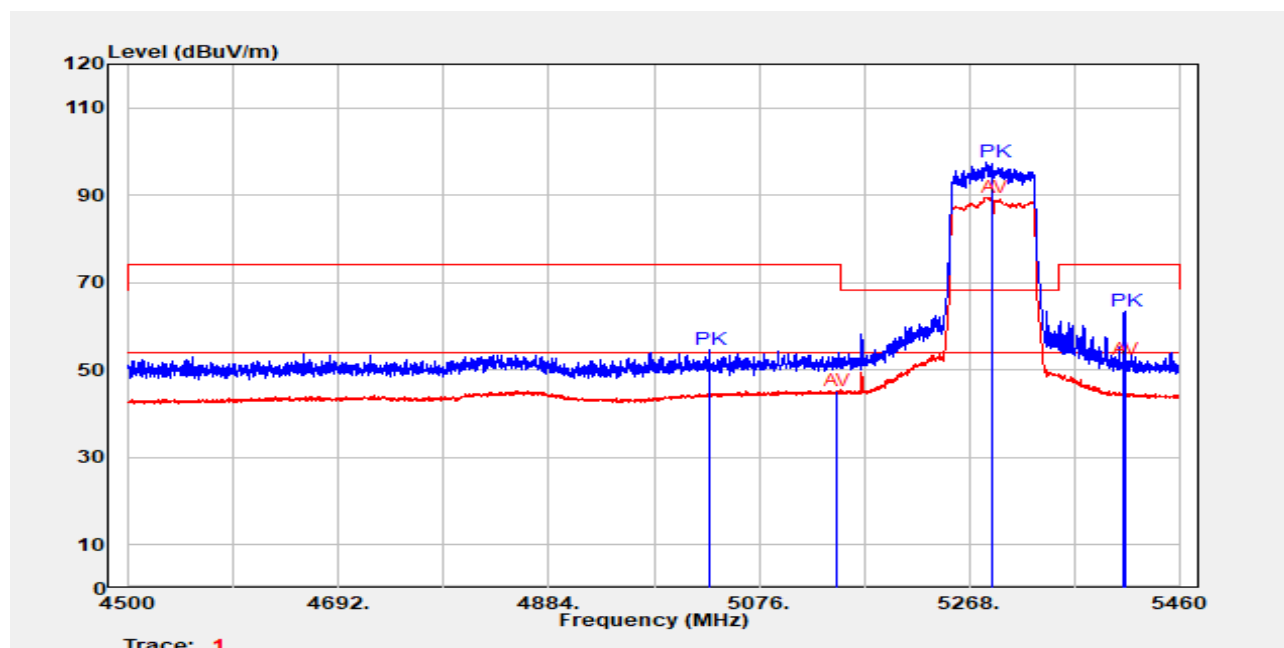
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Report Number :TERF2511003774E2
 Operation Mode :802.11ac80
 Test Frequency :5290 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



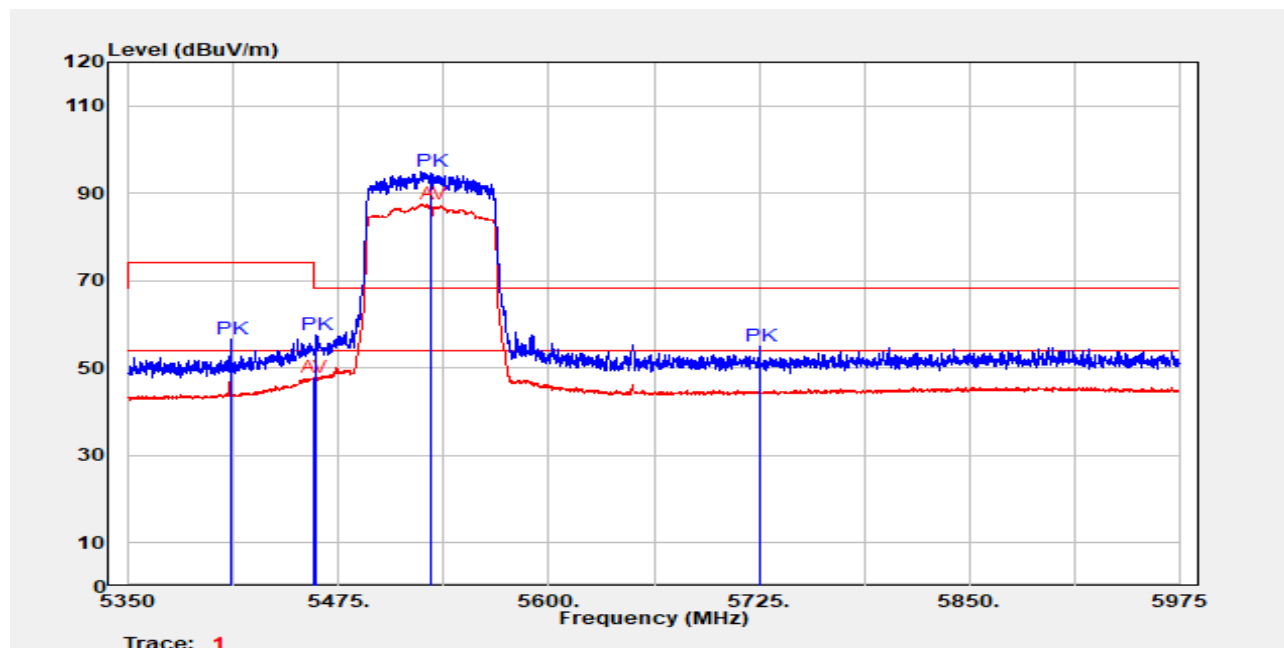
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5030.29	Peak	54.67	-0.16	54.51	74.00	-19.49
5146.48	Average	45.11	0.13	45.24	54.00	-8.76
5290.00	Peak	98.10	-0.63	97.47	-	-
5290.00	Average	90.08	-0.63	89.45	-	-
5409.83	Average	52.48	-0.24	52.24	54.00	-1.76
5410.07	Peak	63.72	-0.24	63.48	74.00	-10.52

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Report Number :TERF2511003774E2
 Operation Mode :802.11ac80
 Test Frequency :5530 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



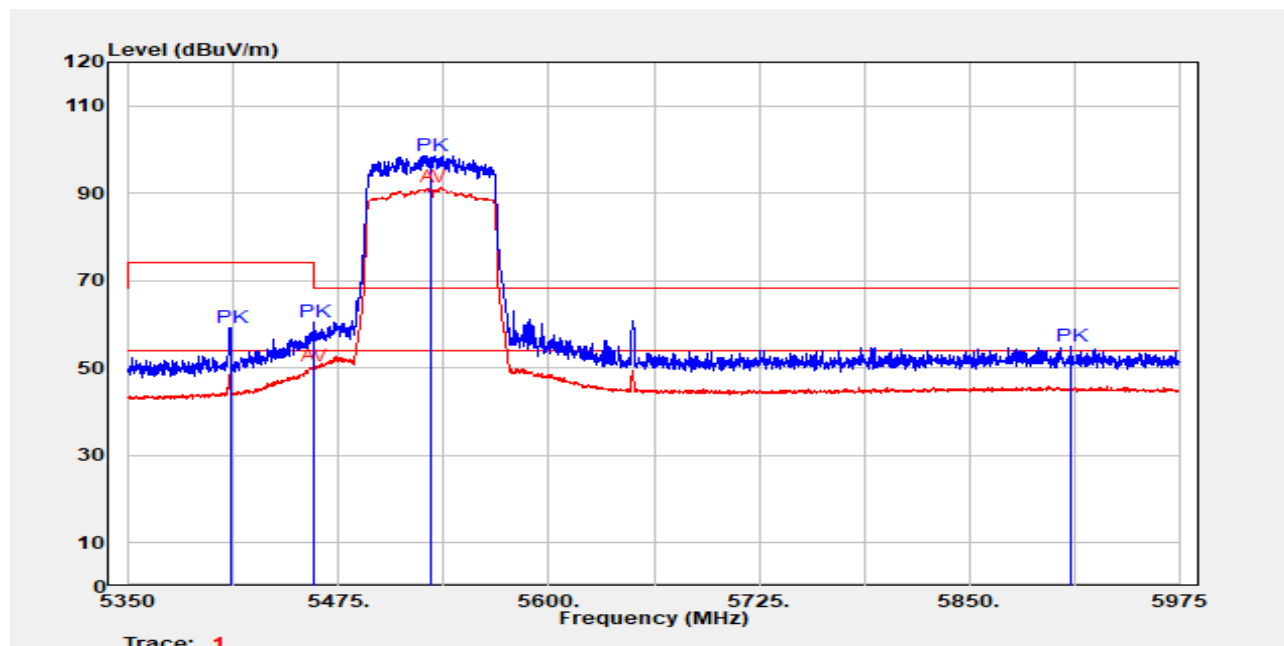
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5410.44	Peak	56.95	-0.24	56.71	74.00	-17.29
5459.62	Average	47.66	0.04	47.70	54.00	-6.30
5461.29	Peak	57.58	0.06	57.64	68.20	-10.56
5530.00	Peak	94.80	0.28	95.08	-	-
5530.00	Average	87.15	0.28	87.43	-	-
5725.75	Peak	54.30	0.62	54.92	68.20	-13.28

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Report Number :TERF2511003774E2
 Operation Mode :802.11ac80
 Test Frequency :5530 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5410.23	Peak	59.46	-0.24	59.22	74.00	-14.78
5459.62	Average	50.36	0.04	50.40	54.00	-3.60
5460.45	Peak	60.32	0.04	60.36	68.20	-7.84
5530.00	Peak	98.39	0.28	98.67	-	-
5530.00	Average	90.97	0.28	91.25	-	-
5910.40	Peak	53.80	1.10	54.90	68.20	-13.30

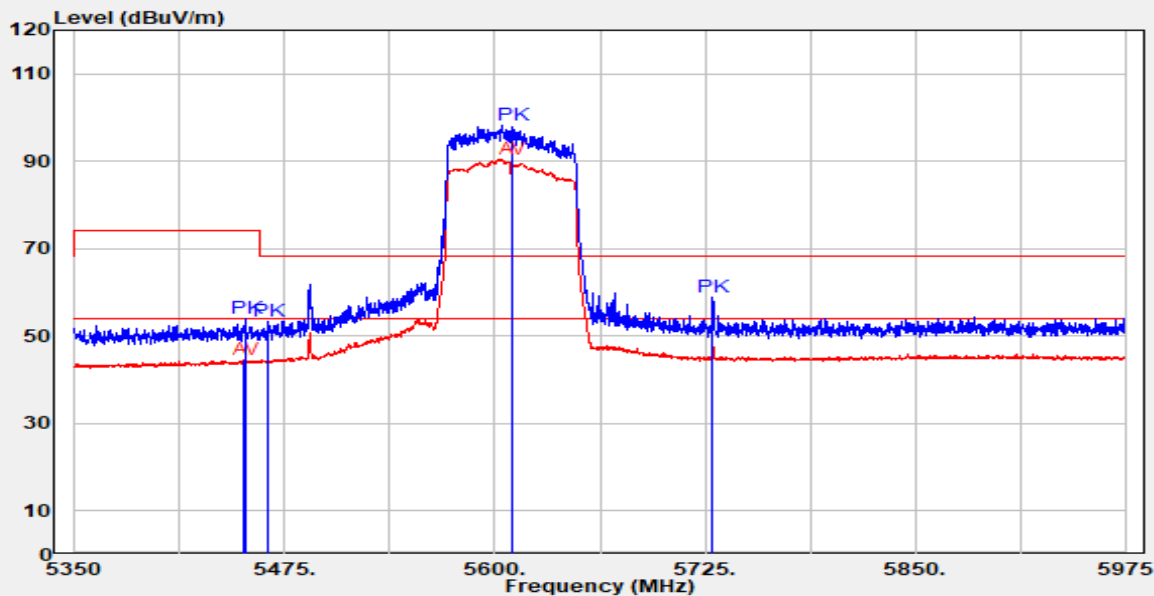
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Report Number :TERF2511003774E2
 Operation Mode :802.11ac80
 Test Frequency :5610 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5450.66	Average	44.47	-0.01	44.46	54.00	-9.54
5451.70	Peak	53.94	0.00	53.94	74.00	-20.06
5464.83	Peak	53.30	0.07	53.37	68.20	-14.83
5610.00	Peak	97.93	0.14	98.07	-	-
5610.00	Average	90.18	0.14	90.32	-	-
5729.50	Peak	58.27	0.62	58.89	68.20	-9.31

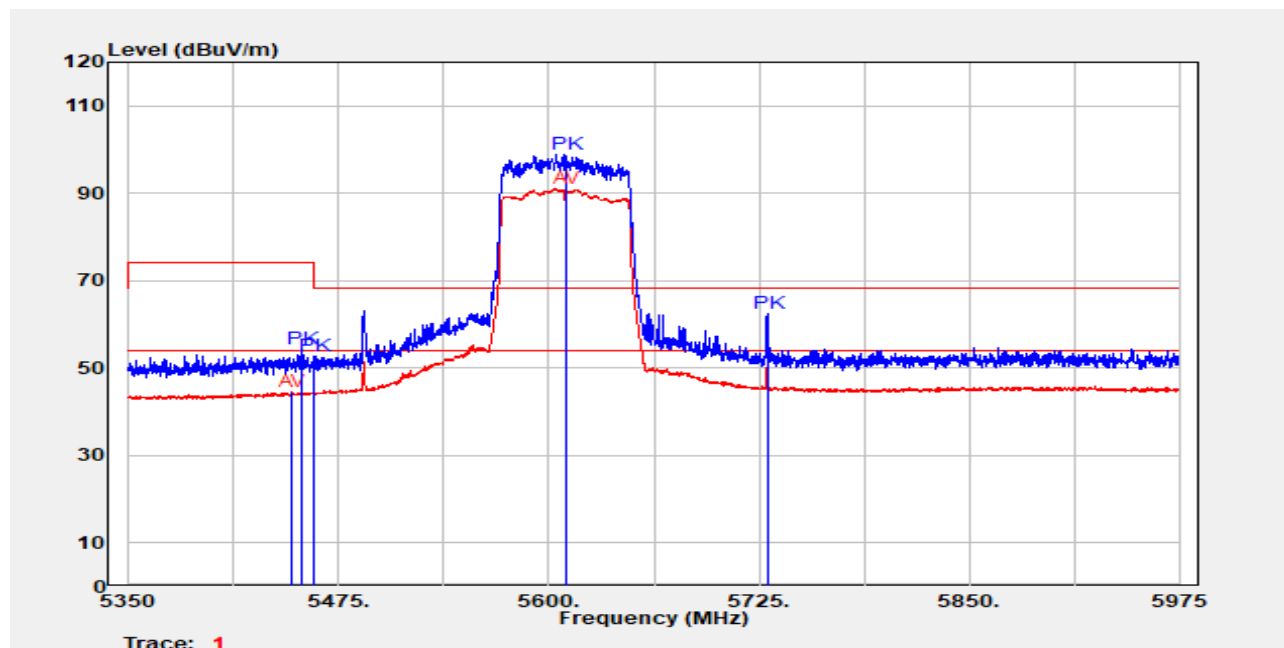
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Report Number :TERF2511003774E2
 Operation Mode :802.11ac80
 Test Frequency :5610 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5446.49	Average	44.44	-0.03	44.41	54.00	-9.59
5452.74	Peak	54.27	0.00	54.27	74.00	-19.73
5460.04	Peak	52.64	0.04	52.68	68.20	-15.52
5610.00	Peak	98.77	0.14	98.91	-	-
5610.00	Average	90.86	0.14	91.00	-	-
5729.92	Peak	61.87	0.62	62.49	68.20	-5.71

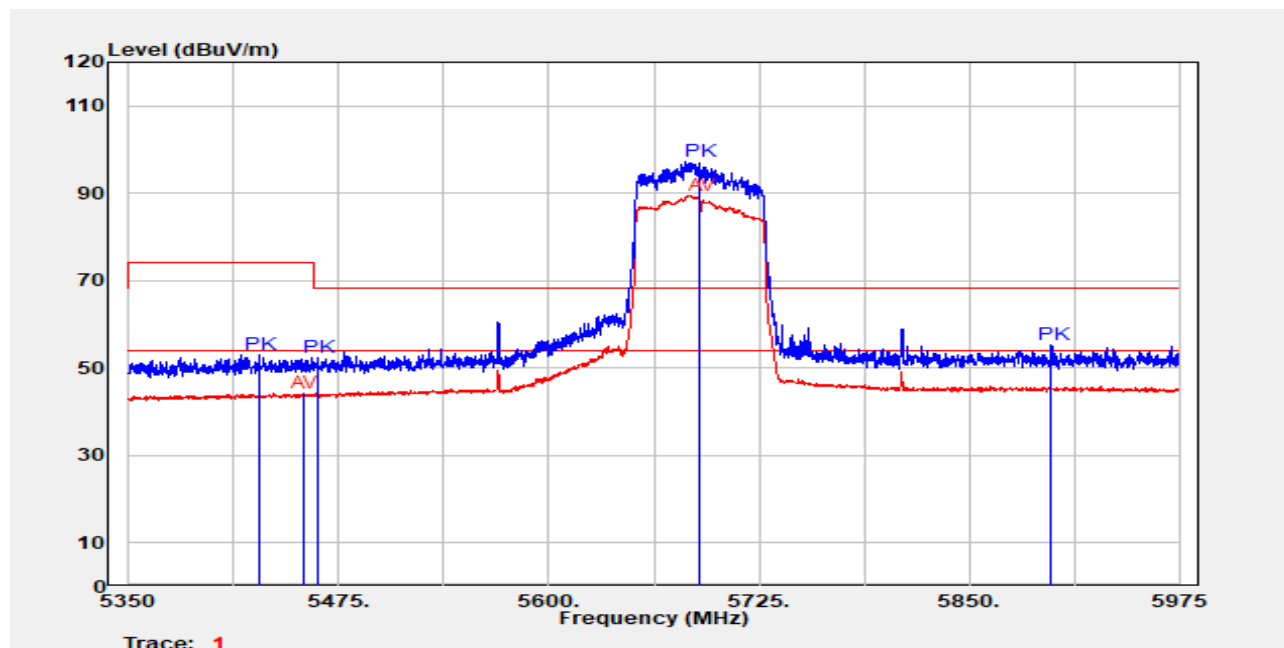
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Report Number :TERF2511003774E2
 Operation Mode :802.11ac80
 Test Frequency :5690 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Nick Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5427.94	Peak	53.07	-0.14	52.93	74.00	-21.07
5453.79	Average	44.14	0.01	44.15	54.00	-9.85
5462.54	Peak	52.36	0.06	52.42	68.20	-15.78
5690.00	Peak	96.86	0.51	97.37	-	-
5690.00	Average	89.00	0.51	89.51	-	-
5899.14	Peak	54.27	1.08	55.35	68.20	-12.85

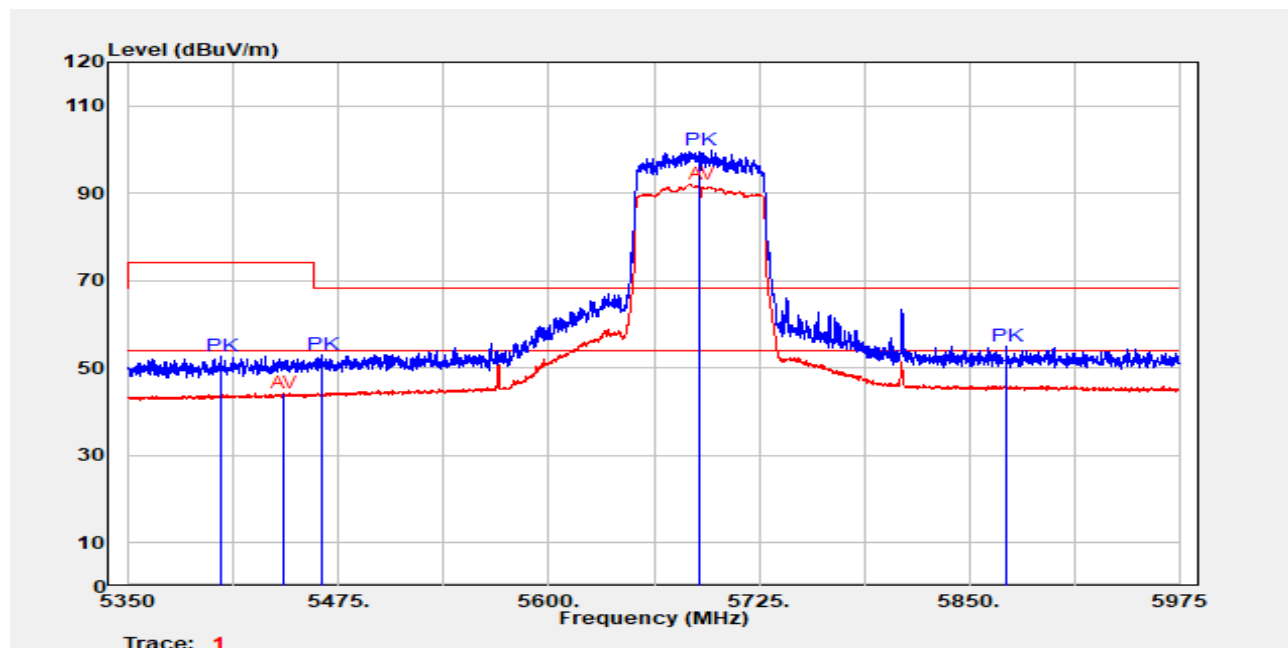
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Report Number :TERF2511003774E2
 Operation Mode :802.11ac80
 Test Frequency :5690 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Nick Lin



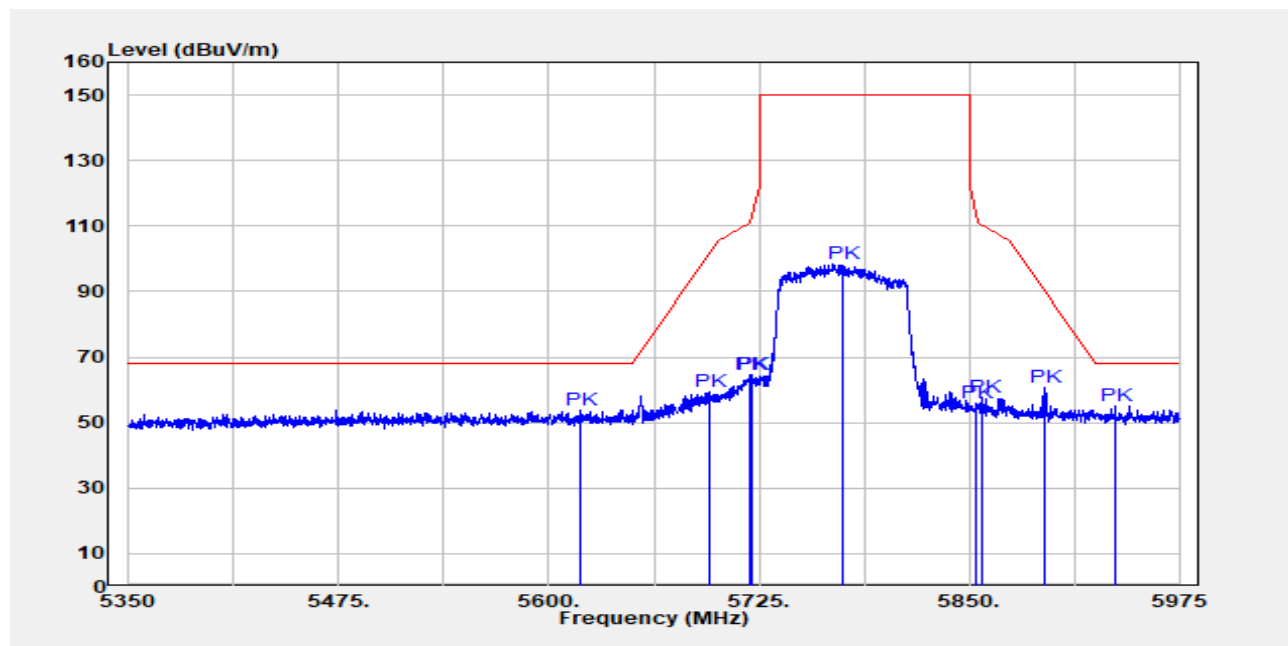
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5404.39	Peak	53.04	-0.28	52.76	74.00	-21.24
5441.91	Average	44.22	-0.06	44.16	54.00	-9.84
5464.62	Peak	52.82	0.07	52.89	68.20	-15.31
5690.00	Peak	99.21	0.51	99.72	-	-
5690.00	Average	91.56	0.51	92.07	-	-
5872.05	Peak	54.07	0.97	55.04	68.20	-13.16

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Report Number :TERF2511003774E2
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



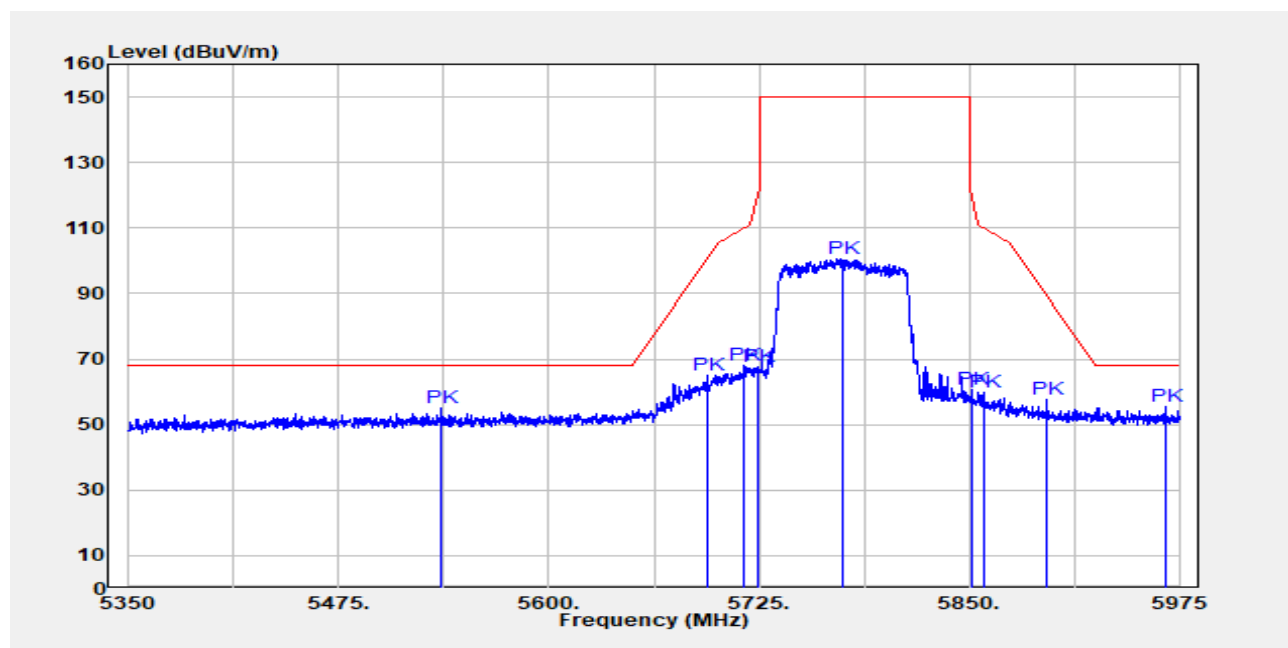
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5618.42	Peak	53.61	0.18	53.79	68.20	-14.41
5695.12	Peak	58.79	0.53	59.32	101.59	-42.27
5719.50	Peak	64.05	0.60	64.65	110.66	-46.01
5720.75	Peak	63.85	0.60	64.45	112.51	-48.06
5775.00	Peak	97.53	0.72	98.25	-	-
5854.34	Peak	54.82	0.90	55.72	112.32	-56.60
5858.29	Peak	56.97	0.91	57.88	109.88	-52.00
5894.77	Peak	59.82	1.06	60.88	90.57	-29.69
5936.86	Peak	53.84	1.14	54.98	68.20	-13.22

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Report Number :TERF2511003774E2
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5536.10	Peak	54.74	0.28	55.02	68.20	-13.18
5694.70	Peak	64.61	0.53	65.14	101.28	-36.14
5715.75	Peak	67.36	0.60	67.96	109.61	-41.65
5724.92	Peak	66.95	0.62	67.57	122.01	-54.44
5775.00	Peak	99.87	0.72	100.59	-	-
5851.63	Peak	59.88	0.89	60.77	118.50	-57.73
5858.50	Peak	59.11	0.91	60.02	109.82	-49.80
5895.81	Peak	56.48	1.06	57.54	89.80	-32.26
5967.08	Peak	54.36	1.22	55.58	68.20	-12.62

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7.2.2 Spurious Emission

Model: ABX00162 (PCB ver.SGD)

Report Number :TERF2511003774E2

Test Site :SAC 3

Operation Mode :802.11a

Test Date :2025-11-10

Test Frequency :5220 MHz

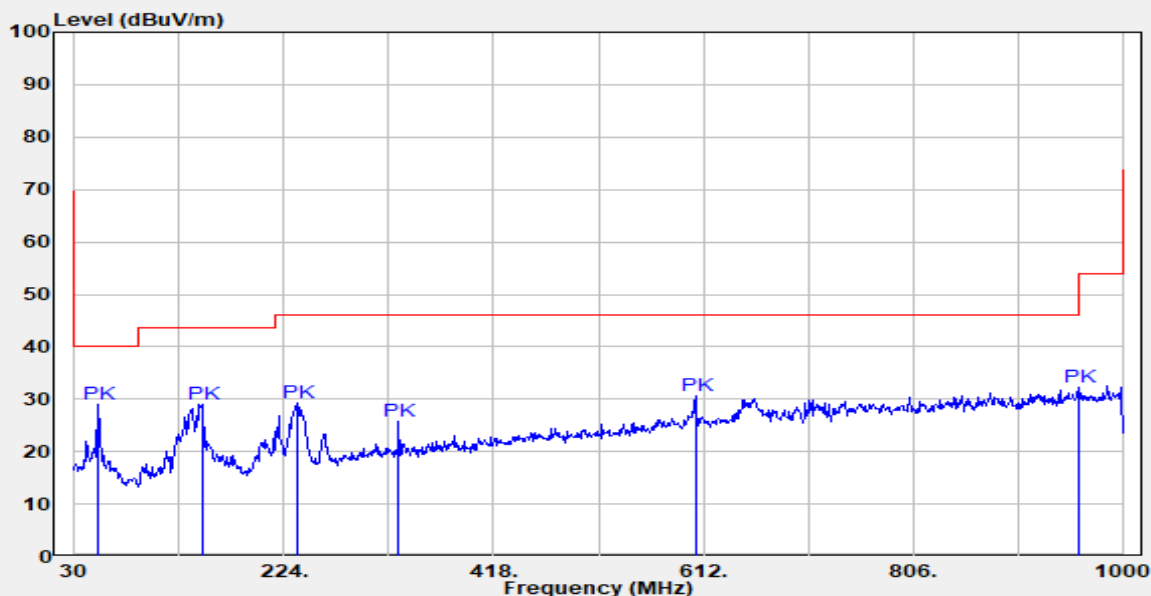
Temp./Humi. :25.3°C/59%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Alex Hsu



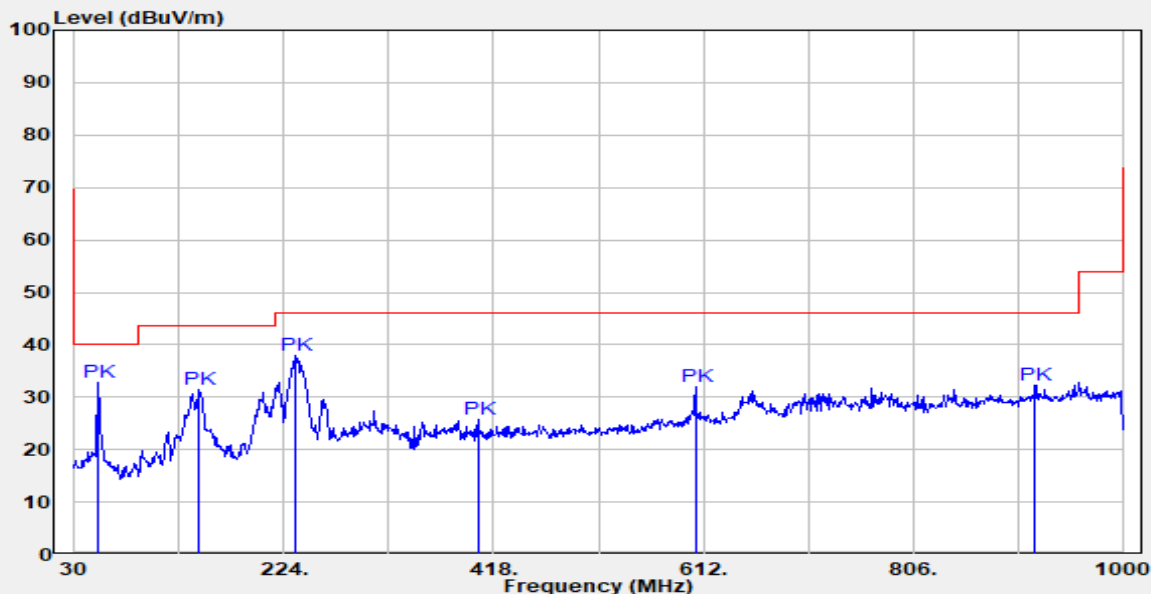
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
52.31	Peak	37.97	-8.86	29.11	40.00	-10.89
148.34	Peak	37.57	-8.44	29.13	43.50	-14.37
235.64	Peak	38.99	-9.70	29.29	46.00	-16.71
329.73	Peak	32.65	-6.80	25.85	46.00	-20.15
605.21	Peak	32.20	-1.65	30.55	46.00	-15.45
959.26	Peak	28.14	4.21	32.35	46.00	-13.65

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Report Number :TERF2511003774E2
Operation Mode :802.11a
Test Frequency :5220 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2025-11-10
Temp./Humi. :25.3°C/59%
Antenna Pol. :Horizontal
Engineer :Alex Hsu



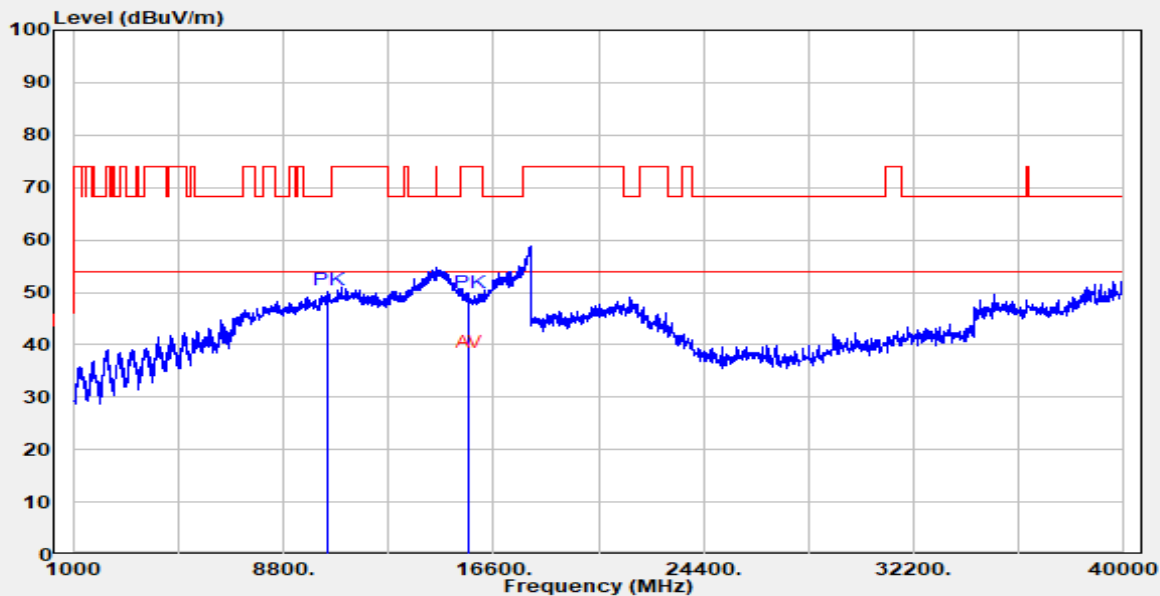
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
52.31	Peak	41.72	-8.86	32.86	40.00	-7.14
145.43	Peak	39.98	-8.66	31.32	43.50	-12.18
233.70	Peak	47.60	-9.79	37.81	46.00	-8.19
403.45	Peak	31.21	-5.58	25.63	46.00	-20.37
605.21	Peak	33.54	-1.65	31.89	46.00	-14.11
919.49	Peak	28.84	3.51	32.35	46.00	-13.65

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Report Number :TERF2511003774E2
 Operation Mode :802.11a
 Test Frequency :5220 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Vertical
 Engineer :Alex Hsu



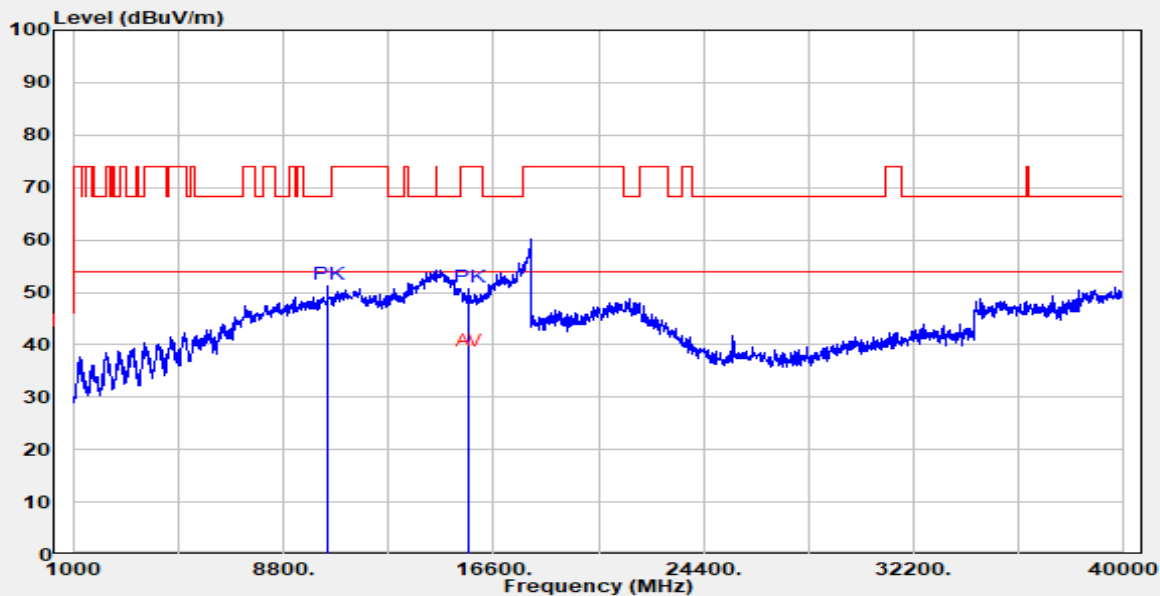
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10440.00	Peak	42.86	7.57	50.43	68.20	-17.77
15660.00	Peak	45.89	3.95	49.84	74.00	-24.16
15660.00	Average	34.42	3.95	38.37	54.00	-15.63

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Report Number :TERF2511003774E2
 Operation Mode :802.11a
 Test Frequency :5220 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2025-11-07
 Temp./Humi. :22.9°C/65%
 Antenna Pol. :Horizontal
 Engineer :Alex Hsu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10440.00	Peak	43.84	7.57	51.41	68.20	-16.79
15660.00	Peak	46.87	3.95	50.82	74.00	-23.18
15660.00	Average	34.70	3.95	38.65	54.00	-15.35

~ End of Report ~

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