

**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: TERF2511003773E2

FCC ID 2AN9S-ABX00162

IC: 26792-ABX00162

Date of EUT Received: September 16, 2025

Date of Test: November 7, 2025 ~ November 13, 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 §15.247, ISED RSS-247.

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

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2511003773E2	00	Add family model number and one antenna	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.	14B5CD1180C7
Power Supply	5Vdc
Test Software (Name/Version)	CMD

1.2 RF Specification

WLAN 2.4GHz

Mode	Frequency Range	Channels	Rated Power (dBm)		Modulation Technology
			Peak	Avg.	
802.11b	2412~2472	13	20.60	18.27	DSSS
802.11g	2412~2472	13	22.85	17.68	OFDM
802.11n_HT20	2412~2472	13	23.04	17.58	OFDM
802.11n_HT40	2422~2462	9	21.72	15.47	OFDM
Modulation type:		CCK,DQPSK, DBPSK for DSSS in 802.11b			
		64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11g,11n			
Data Rate:		802.11b: 1/2/5.5/11 Mbps			
		802.11g: 6/9/12/18/24/36/48/54 Mbps			
		802.11n_HT20:up to 72.2Mbps			
		802.11n_HT40:up to 150Mbps			

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WLAN 2.4GHz for IC

Mode	Frequency Range	Channels	Rated Power (dBm)		Rated Power in dBm (EIRP)	Modulation Technology
			Peak	Avg.		
802.11b	2412~2472	13	20.60	18.27	23.07	DSSS
802.11g	2412~2472	13	22.85	17.68	22.48	OFDM
802.11n_HT20	2412~2472	13	23.04	17.58	22.38	OFDM
802.11n_HT40	2422~2462	9	21.72	15.47	20.27	OFDM
Modulation type:		CCK,DQPSK, DBPSK for DSSS in 802.11b				
		64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11g,11n				
Data Rate:		802.11b: 1/2/5.5/11 Mbps				
		802.11g: 6/9/12/18/24/36/48/54 Mbps				
		802.11n_HT20:up to 72.2Mbps				
		802.11n_HT40:up to 150Mbps				

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1.3 Antenna Designation

Ant. Type	Brand	Part No.	Freq. (MHz)	Peak Gain(dBi)
PCB	WNC	DMVQ-AD01_SGB	2400~2483.5	1.41
PCB	WNC	DMVQ-AD01_SGD	2400~2483.5	4.80

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.

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 Operating Frequencies

2400~2483.5 MHz			
20MHz		40MHz	
CH	Freq. (MHz)	CH	Freq. (MHz)
1	2412	3	2422
2	2417	4	2427
3	2422	5	2432
4	2427	6	2437
5	2432	7	2442
6	2437	8	2447
7	2442	9	2452
8	2447	10	2457
9	2452	11	2462
10	2457		
11	2462		
12	2467		
13	2472		

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1.6 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 and receiving mode is programmed.
3. 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.
4. Investigation has been done on all the possible configurations for searching the worst case.

Mode		Transmission Chain								Single Transmission Spatial		Multi Transmission Spatial	
V	802.11 b	V	Ch0		Ch1		Ch2		Ch3	V	1TX		1TX
V	802.11 g	V	Ch0		Ch1		Ch2		Ch3	V	1TX		1TX
V	802.11 n	V	Ch0		Ch1		Ch2		Ch3	V	1TX		1TX
	802.11 ac		Ch0		Ch1		Ch2		Ch3		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.

CONDUCTED TEST					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11b	1 to 13	1,6,11,12,13	DSSS	1	Ch0
802.11g	1 to 13	1,2,6,9,10,11,12,13	OFDM	6	Ch0
802.11n_HT20	1 to 13	1,2,6,9,10,11,12,13	OFDM	MCS0	Ch0
802.11n_HT40	3 to 11	3,4,5,6,7,8,9,10,11	OFDM	MCS0	Ch0

TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz)					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11b	1 to 13	6	DSSS	1	Ch0

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TRANSMIT RADIATED EMISSION TEST (ABOVE 1 GHz)					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11b	1 to 13	1,6,11,12,13	DSSS	1	Ch0
802.11g	1 to 13	1,2,6,9,10,11,12,13	OFDM	6	Ch0
802.11n20	1 to 13	1,2,6,9,10,11,12,13	OFDM	MCS0	Ch0
802.11n40	3 to 11	3,4,5,6,7,8,9,10,11	OFDM	MCS0	Ch0

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2 SUMMARY OF TEST RESULTS

FCC Rules	ISED Rules	Description Of Test	Result
§15.247(b) (3)	RSS-247 §6.3.2	Peak Output Power	Compliant
§15.205	RSS-247 §6.6	Unwanted Emission	Compliant
§15.209	RSS-Gen §8.9		
§15.247(d)	RSS-Gen §8.10		

Note

1. N/S Indicates whether item(s) being newly tested [N] or spot checked [S].

2.1 Test Methodology of Applied Standards

1. FCC Part 15, Subpart C §15.247
2. FCC KDB 558074 D01 15.247 Meas Guidance v05r02
3. ISED RSS-247 issue 4 July 2025
4. ISED RSS-Gen, Issue 5 April 2018, Amendment 2 (February 2021)
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
Output Power measurement	+/- 0.97 dB
Emission Bandwidth	+/- 1.38 Hz
Conducted emission measurement	+/- 0.77 dB
Peak Power Density	+/- 0.61 dB
Temperature	+/- 0.60 °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:	11/07/2025	
Test Engineer:	Teddy Lu		Test Done:	11/13/2025	

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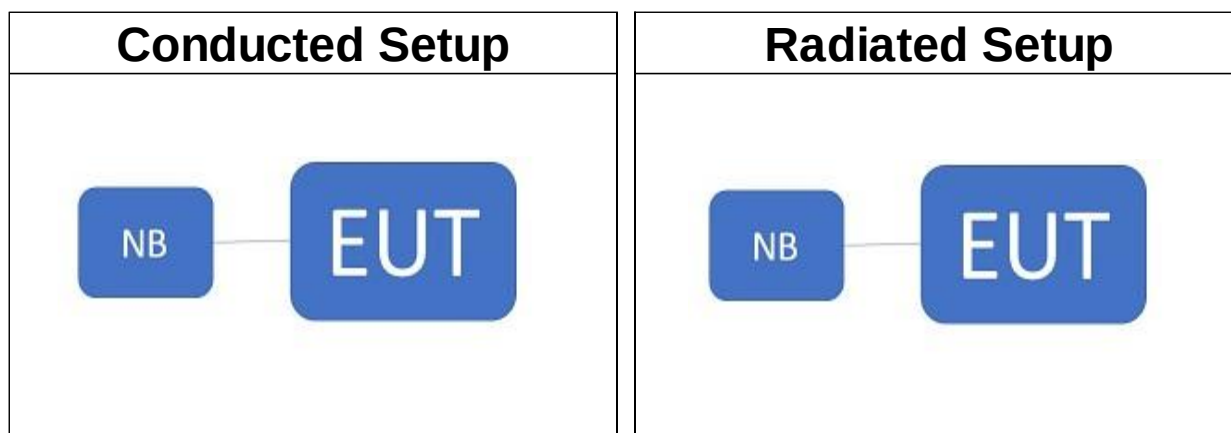
3 CONTROL UNIT(S) AND PERIPHERAL(S)

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 2					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Notebook	Lenovo	L480	PF-1S9NT5 19/07	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

4.2 Radiated Measurement

Radiated Emission Test Site: SAC 2					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
3.2G High Pass Filter	Woken	WHKX10-2624	3	12/11/2024	12/10/2025
Band Reject Filter 2400-2483.5	Titan	T04N2400248350S 01	23040703-10	12/11/2024	12/10/2025
Bi-log Antenna	SCHWARZBECK	VULB9168	9168-1278	03/10/2025	03/09/2026
Coaxial Cables	EMCI	EMC104-SM-SM-600 +EMC105-SM-SM-2000 +EMC105-SM-SM-1500 +EMC105-SM-SM-10000	RX Cable 9K-18G (220237+220909+220906+240801)	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	ESR 7	102525	02/08/2025	02/07/2026
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071570	07/04/2025	07/03/2026
Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	08/07/2025	08/06/2026
Horn Antenna	RF SPIN	DRH18-E	210303A18-ES	02/20/2025	02/19/2026
Loop Antenna	COM-POWER	AL-130R	10160104	12/19/2024	12/18/2025
Pre-Amplifier	EMCI	EMC118A45SEE	980867	07/14/2025	07/13/2026
Pre-Amplifier	EMCI	EMC184045SEE	980939	07/14/2025	07/13/2026
Pre-Amplifier	EMCI	EMC330N	980826	07/14/2025	07/13/2026
Site Cal	SGS	SAC 2	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 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.

5.2 Maximum Output Power

FCC

For systems using digital modulation in the 2400-2483.5 MHz bands, the limit for peak output power is 1Watt.

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

ISED

For systems using digital modulation in the 2400-2483.5 MHz bands, the limit for peak output power is 1Watt and the e.i.r.p. shall not exceed 4 W.

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5.3 Unwanted Emissions

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

In addition, radiated emissions which fall in the restricted bands must also comply with the applicable radiated emission limits as defined in the general emission limit tables.

Moreover, for an intentional radiator operating below 10 GHz, the frequency range of measurements shall extend up to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

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

Note: 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



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

Set the spectrum analyzer as

Center Frequency = fundamental frequency

Span = Zero,

RBW = 8 MHz,

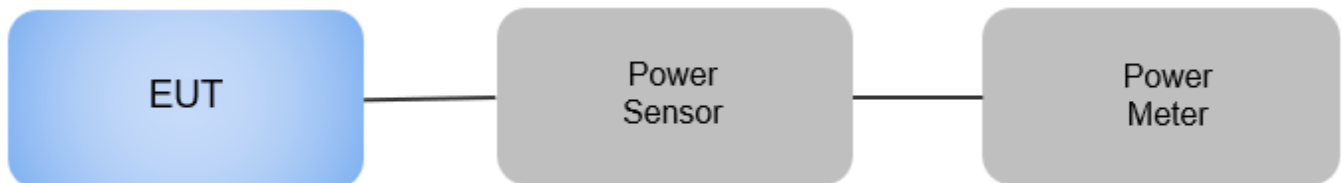
VBW = 8 MHz,

Detector = Peak,

Allow trace to fully stabilize.

Use the delta marker function to determine the ON and OFF times.

6.1.2 Maximum Output Power



The testing is performed in accordance with the applicable output power measurement procedure.

Place the EUT on the table and set it to transmit mode.

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

The power meter is used as auxiliary test equipment to conduct the output power measurement. Record the maximum reading as observed from the spectrum analyzer or power meter.

Note: The duty cycle factor is compensated to obtain the maximum value of measurement in average.

Note: When the antenna gain is greater than 6 dBi, the power limit attenuated accordingly.

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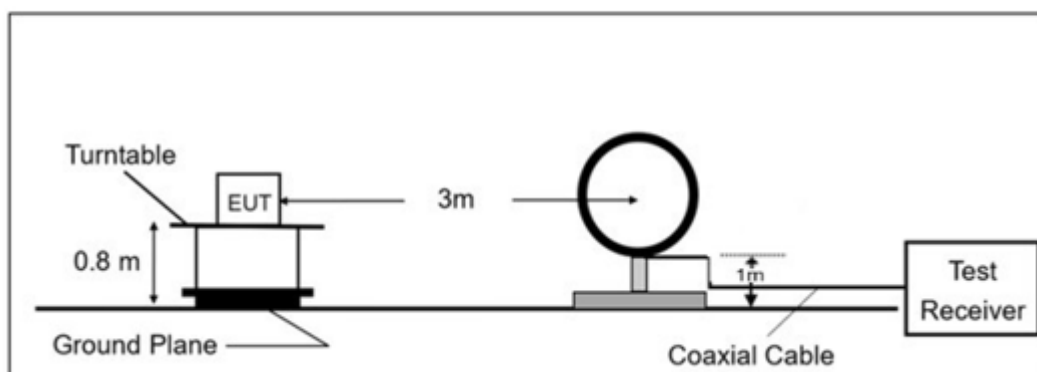
6.2 Unwanted Emissions

For Measurements From 9 kHz To 30 MHz

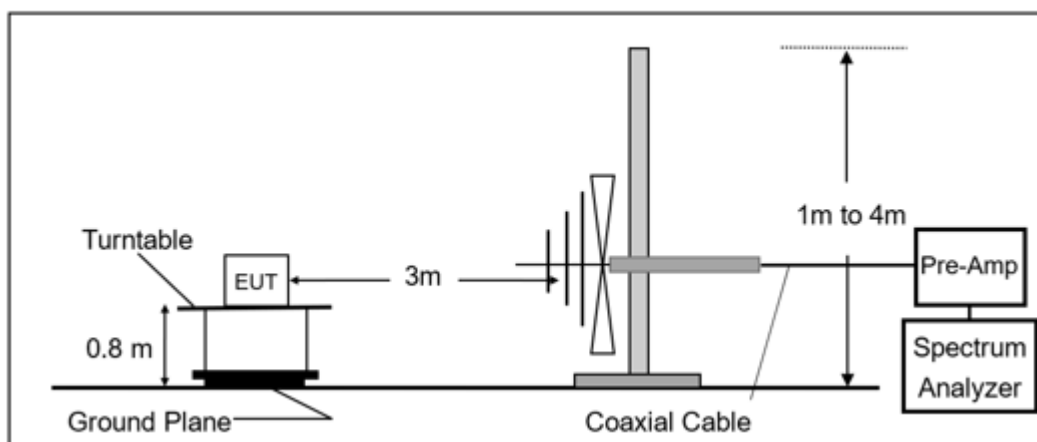
Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

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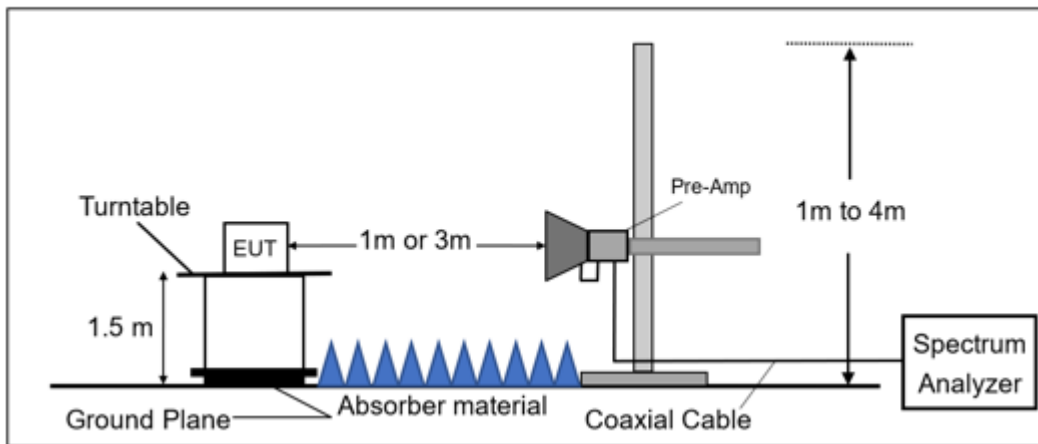
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Radiated Emission Test Set-Up, Frequency Above 1GHz.



1. The testing was performed in accordance with the applicable radiated emission measurement procedure.
2. The EUT was placed on a turntable at a height of 0.8 m for frequencies below 1 GHz and 1.5 m for frequencies above 1 GHz.
3. The turntable was rotated 360 degrees to determine the position of the maximum emission level.
4. The EUT was positioned 3 meters away from the receiving antenna, which was varied in height from 1 m to 4 m to locate the highest emissions.
5. For measurements below 30MHz, set the spectrum analyzer as
 - ☒ For Peak measurement
 - RBW=10 kHz
 - VBW=30 kHz
 - Detector = peak
 - Trace mode = max-hold
 - ☒ For Quasi-peak measurement in receiver mode
 - RBW=10 kHz
 - Detector = Quasi-Peak
 - Peak detection is used unless otherwise noted as quasi-peak.
6. For measurements in 30MHz to 1GHz, set the spectrum analyzer as
 - ☒ For Peak measurement
 - RBW=100 kHz
 - VBW=300 kHz
 - Detector = peak
 - Trace mode = max-hold
 - ☒ For Quasi-peak measurement in receiver mode
 - RBW=120 kHz
 - Detector = Quasi-Peak

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Peak detection is used unless otherwise noted as quasi-peak.

7. For measurements above 1GHz, set the spectrum analyzer as

☒ For Peak measurement:

RBW=1 MHz

VBW=3 MHz

Detector = peak

Trace mode = max-hold

☒ For Average measurement:

☐ Duty cycle $\geq$ 98%:

RBW=1 MHz

VBW=3 MHz

Detector = Power averaging (rms)

trace average was performed over at least 100 traces

☒ Duty cycle < 98%

RBW=1 MHz

VBW $\geq$ 1/T

Detector = peak

Trace mode = max-hold

☐ Duty cycle < 98%

RBW=1 MHz

VBW $\geq$ 3 MHz

Detector = Power averaging (rms)

trace average was performed over at least 100 traces

add Duty cycle factor(dB)

☐ Duty cycle factor (DCF)

the average value of pulsed emissions with duty cycle correction factor 20 log (Ton/100ms) from the peak measurement

8. When measuring radiated emissions above 1 GHz, the receiving antenna was maintained within the "cone of radiation" and pointed at the emission source in both azimuth and elevation, with polarization oriented for maximum response, ensuring it remained within the 3 dB illumination beamwidth of the measurement antenna.

9. The six highest emissions were fully maximized using the above procedures to ensure EUT compliance.

10. Each emission was further maximized by changing the receiving antenna polarization between horizontal and vertical.

11. Repeat the above procedures until all default test channels (low, middle, and high) are measured.

Note: Emissions from 9 kHz to 30 MHz were pre-scanned and found to be at least 20 dB below the applicable limits, and are therefore not reported.

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6.2.1 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 (dB μ V/m)

RA = Reading Amplitude (dB μ V)

AF = Antenna Factor (dB/m)

CL = Cable Loss (dB)

AG = Amplifier Gain (dB)

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

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7 TEST RESULTS

7.1 Duty Cycle

Mode	Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11b	99.28	0.03	0.08	0.01
802.11g	98.10	0.08	0.49	0.01
802.11n_20	97.75	0.10	0.57	1.00
802.11n_40	94.51	0.25	1.16	2.00

7.1.1 Duty Cycle test plots



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7.2 Maximum Output Power

802.11b Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	1	16.5	114.82	20.60	30.00	PASS
6	2437	1	16.5	84.53	19.27	30.00	PASS
11	2462	1	16.5	102.33	20.10	30.00	PASS
12	2467	1	13.5	43.05	16.34	30.00	PASS
13	2472	1	5.5	11.35	10.55	30.00	PASS

802.11b Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	1	16.5	67.16	18.27	30.00	PASS
6	2437	1	16.5	49.11	16.91	30.00	PASS
11	2462	1	16.5	59.17	17.72	30.00	PASS
12	2467	1	13.5	25.65	14.09	30.00	PASS
13	2472	1	5.5	6.79	8.32	30.00	PASS

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802.11g Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	6	14	120.50	20.81	30.00	PASS
2	2417	6	15	139.00	21.43	30.00	PASS
3	2422	6	16.5	192.75	22.85	30.00	PASS
6	2437	6	16.5	154.17	21.88	30.00	PASS
9	2452	6	16.5	161.06	22.07	30.00	PASS
10	2457	6	16	147.57	21.69	30.00	PASS
11	2462	6	14	100.93	20.04	30.00	PASS
12	2467	6	10	42.46	16.28	30.00	PASS
13	2472	6	2	10.35	10.15	30.00	PASS

802.11g Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	6	14	36.17	15.58	30.00	PASS
2	2417	6	15	41.05	16.13	30.00	PASS
3	2422	6	16.5	58.66	17.68	30.00	PASS
6	2437	6	16.5	46.92	16.71	30.00	PASS
9	2452	6	16.5	47.90	16.80	30.00	PASS
10	2457	6	16	43.58	16.39	30.00	PASS
11	2462	6	14	29.74	14.73	30.00	PASS
12	2467	6	10	12.83	11.08	30.00	PASS
13	2472	6	2	3.14	4.96	30.00	PASS

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802.11n_HT_20M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	13	97.95	19.91	30.00	PASS
2	2417	MCS0	16.5	201.37	23.04	30.00	PASS
6	2437	MCS0	16.5	158.85	22.01	30.00	PASS
9	2452	MCS0	16.5	159.59	22.03	30.00	PASS
10	2457	MCS0	15.5	142.56	21.54	30.00	PASS
11	2462	MCS0	13	81.28	19.10	30.00	PASS
12	2467	MCS0	10	42.85	16.32	30.00	PASS
13	2472	MCS0	0.5	6.93	8.41	30.00	PASS

802.11n_HT_20M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	13	28.90	14.61	30.00	PASS
2	2417	MCS0	16.5	57.26	17.58	30.00	PASS
6	2437	MCS0	16.5	46.01	16.63	30.00	PASS
9	2452	MCS0	16.5	46.56	16.68	30.00	PASS
10	2457	MCS0	15.5	39.98	16.02	30.00	PASS
11	2462	MCS0	13	23.38	13.69	30.00	PASS
12	2467	MCS0	10	12.50	10.97	30.00	PASS
13	2472	MCS0	0.5	2.08	3.18	30.00	PASS

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802.11n_HT_40M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	10.5	63.53	18.03	30.00	PASS
4	2427	MCS0	12	77.09	18.87	30.00	PASS
5	2432	MCS0	14	118.58	20.74	30.00	PASS
6	2437	MCS0	15	148.59	21.72	30.00	PASS
7	2442	MCS0	14.5	130.92	21.17	30.00	PASS
8	2447	MCS0	14	119.12	20.76	30.00	PASS
9	2452	MCS0	10.5	52.24	17.18	30.00	PASS
10	2457	MCS0	9	31.19	14.94	30.00	PASS
11	2462	MCS0	0	7.71	8.87	30.00	PASS

802.11n_HT_40M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	10.5	16.85	12.27	30.00	PASS
4	2427	MCS0	12	21.26	13.28	30.00	PASS
5	2432	MCS0	14	30.03	14.78	30.00	PASS
6	2437	MCS0	15	35.20	15.47	30.00	PASS
7	2442	MCS0	14.5	30.66	14.87	30.00	PASS
8	2447	MCS0	14	28.15	14.50	30.00	PASS
9	2452	MCS0	10.5	12.96	11.13	30.00	PASS
10	2457	MCS0	9	7.81	8.93	30.00	PASS
11	2462	MCS0	0	1.92	2.83	30.00	PASS

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7.2.1 EIRP

802.11b Ch0							
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
1	2412	1	18.27	4.80	23.07	36	PASS
6	2437	1	16.91	4.80	21.71	36	PASS
11	2462	1	17.72	4.80	22.52	36	PASS
12	2467	1	14.09	4.80	18.89	36	PASS
13	2472	1	8.32	4.80	13.12	36	PASS
802.11g Ch0							
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
1	2412	6	15.58	4.80	20.38	36	PASS
2	2417	6	16.13	4.80	20.93	36	PASS
3	2422	6	17.68	4.80	22.48	36	PASS
6	2437	6	16.71	4.80	21.51	36	PASS
9	2452	6	16.80	4.80	21.60	36	PASS
10	2457	6	16.39	4.80	21.19	36	PASS
11	2462	6	14.73	4.80	19.53	36	PASS
12	2467	6	11.08	4.80	15.88	36	PASS
13	2472	6	4.96	4.80	9.76	36	PASS
802.11n_HT_20M Ch0							
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	14.61	4.80	19.41	36	PASS
2	2417	MCS0	17.58	4.80	22.38	36	PASS
6	2437	MCS0	16.63	4.80	21.43	36	PASS
9	2452	MCS0	16.68	4.80	21.48	36	PASS
10	2457	MCS0	16.02	4.80	20.82	36	PASS
11	2462	MCS0	13.69	4.80	18.49	36	PASS
12	2467	MCS0	10.97	4.80	15.77	36	PASS
13	2472	MCS0	3.18	4.80	7.98	36	PASS

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802.11n_HT_40M Ch0

CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	12.27	4.80	17.07	36	PASS
4	2427	MCS0	13.28	4.80	18.08	36	PASS
5	2432	MCS0	14.78	4.80	19.58	36	PASS
6	2437	MCS0	15.47	4.80	20.27	36	PASS
7	2442	MCS0	14.87	4.80	19.67	36	PASS
8	2447	MCS0	14.50	4.80	19.30	36	PASS
9	2452	MCS0	11.13	4.80	15.93	36	PASS
10	2457	MCS0	8.93	4.80	13.73	36	PASS
11	2462	MCS0	2.83	4.80	7.63	36	PASS

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7.3 Unwanted Emissions

7.3.1 Radiated Band Edge Measurement Result

Model: ABX00162 (PCB ver.SGD)

Report Number :TERF2511003773E2

Test Site :SAC 2

Operation Mode :802.11b

Test Date :2025-11-07

Test Frequency :2412 MHz

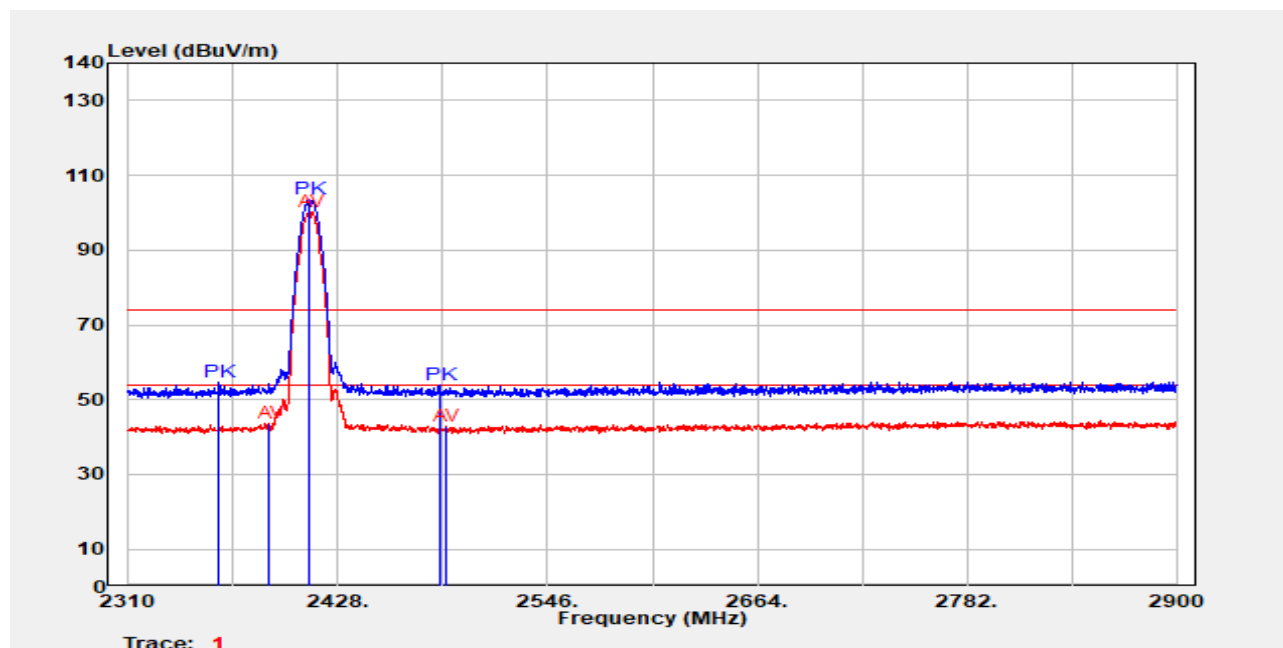
Temp./Humi. :23.3°C/58%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
2360.95	Peak	58.97	-4.42	54.55	74.00	-19.45
2389.48	Average	47.89	-4.40	43.49	54.00	-10.51
2412.10	Peak	108.01	-4.49	103.52	-	-
2412.10	Average	104.67	-4.49	100.18	-	-
2484.90	Peak	58.59	-4.69	53.90	74.00	-20.10
2488.83	Average	47.48	-4.68	42.80	54.00	-11.20

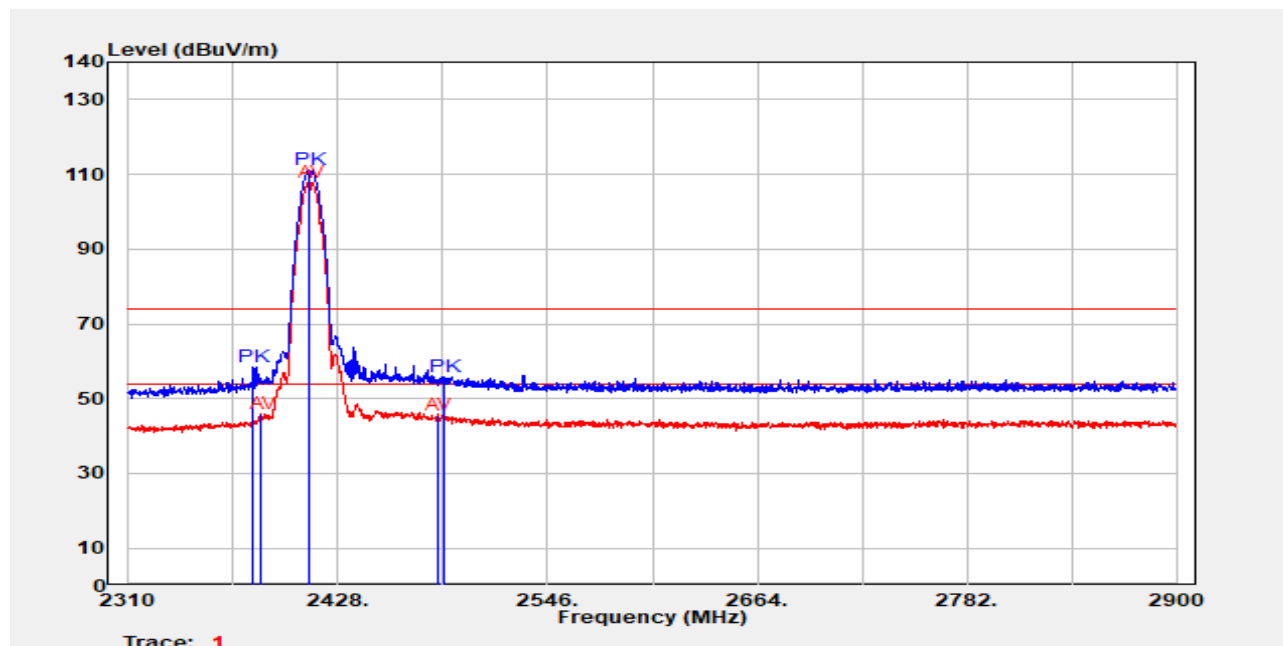
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Report Number :TERF2511003773E2
 Operation Mode :802.11b
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2380.23	Peak	62.73	-4.40	58.33	74.00	-15.67
2384.96	Average	50.35	-4.39	45.96	54.00	-8.04
2412.10	Peak	115.62	-4.49	111.13	-	-
2412.10	Average	112.34	-4.49	107.85	-	-
2484.11	Average	50.06	-4.69	45.37	54.00	-8.63
2487.06	Peak	60.45	-4.68	55.77	74.00	-18.23

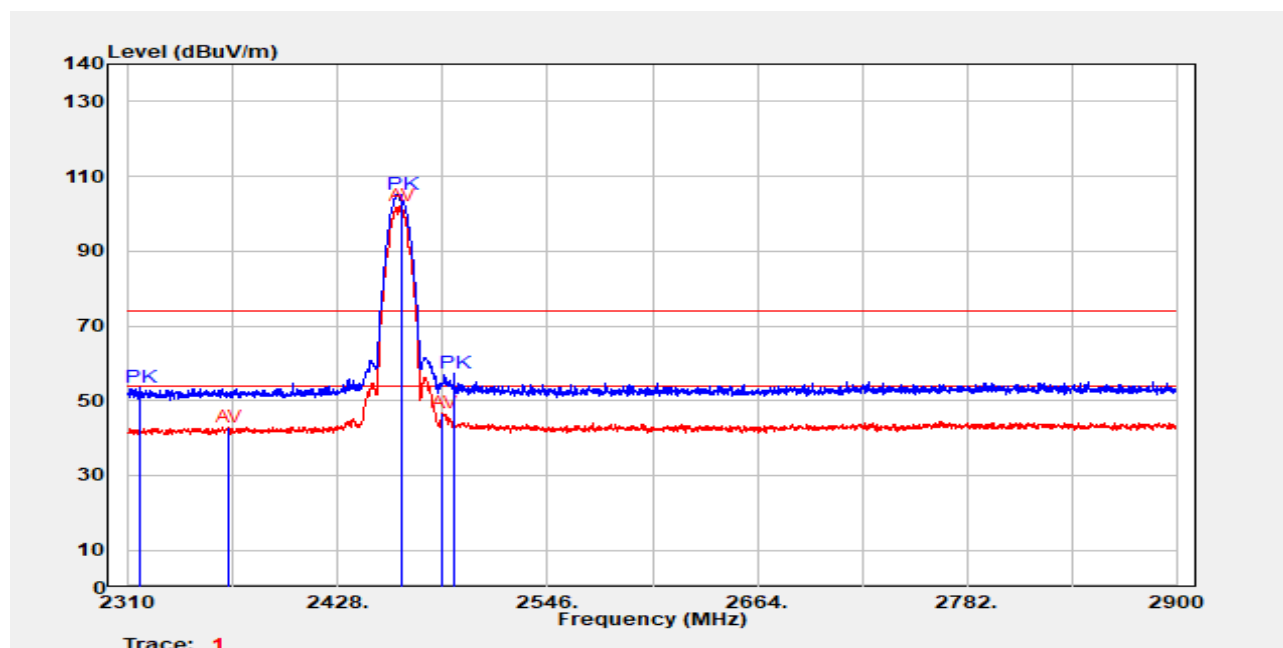
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Report Number :TERF2511003773E2
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



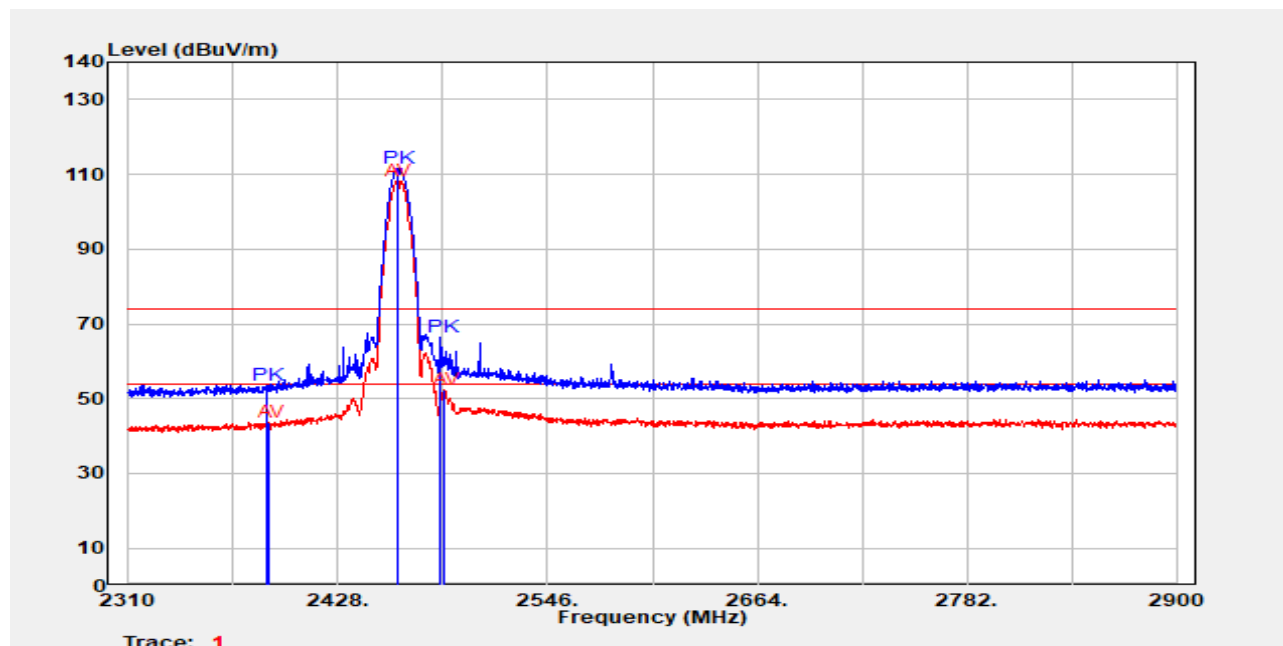
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2316.30	Peak	57.76	-4.40	53.36	74.00	-20.64
2365.87	Average	47.44	-4.47	42.97	54.00	-11.03
2463.45	Peak	109.80	-4.69	105.11	-	-
2463.45	Average	106.69	-4.69	102.00	-	-
2486.67	Average	51.18	-4.68	46.50	54.00	-7.50
2493.16	Peak	61.80	-4.65	57.15	74.00	-16.85

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Report Number :TERF2511003773E2
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



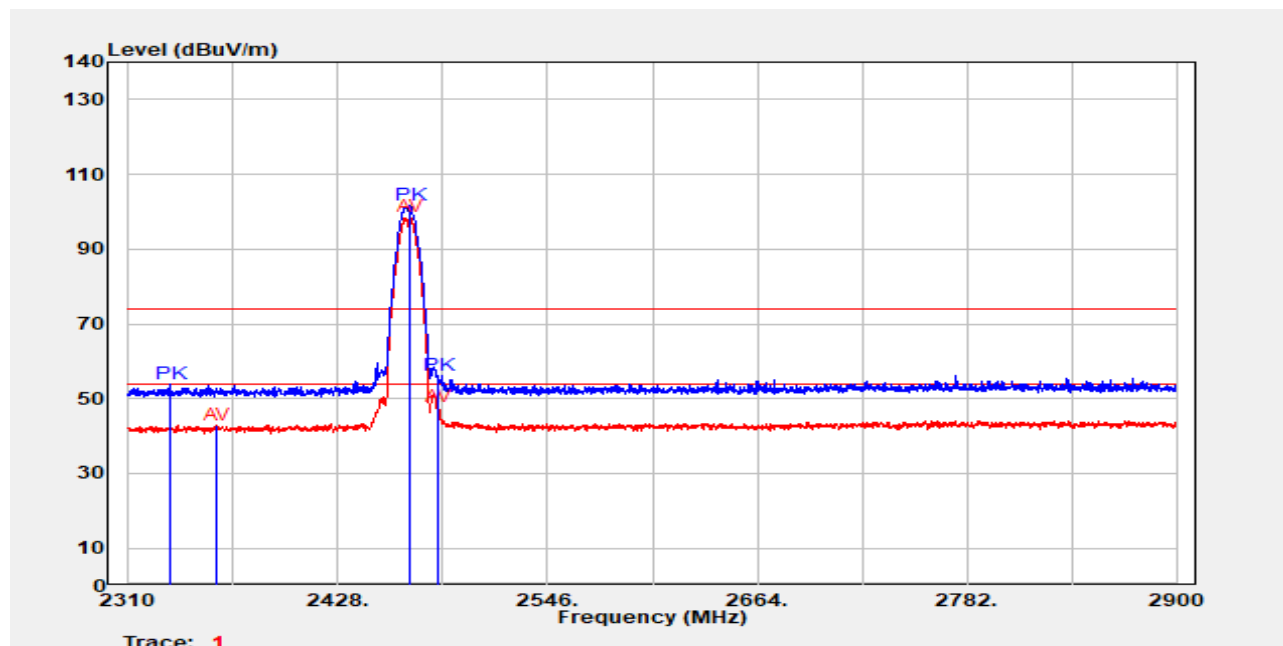
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2388.10	Peak	58.04	-4.40	53.64	74.00	-20.36
2389.28	Average	47.99	-4.40	43.59	54.00	-10.41
2461.09	Peak	116.21	-4.68	111.53	-	-
2461.09	Average	112.97	-4.68	108.29	-	-
2485.88	Peak	71.24	-4.68	66.56	74.00	-7.44
2488.04	Average	57.16	-4.68	52.48	54.00	-1.52

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Report Number :TERF2511003773E2
 Operation Mode :802.11b
 Test Frequency :2467 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



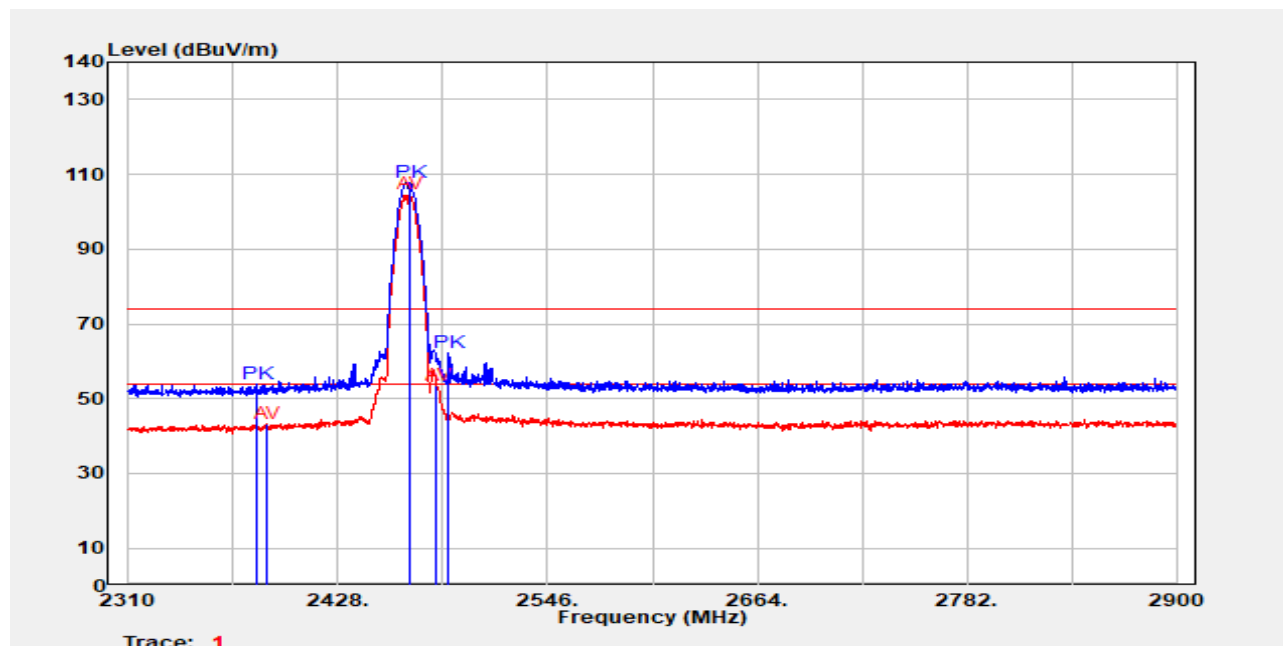
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2332.82	Peak	58.26	-4.42	53.84	74.00	-20.16
2359.18	Average	47.38	-4.41	42.97	54.00	-11.03
2468.37	Peak	106.22	-4.68	101.54	-	-
2468.37	Average	103.29	-4.68	98.61	-	-
2483.72	Average	52.38	-4.69	47.69	54.00	-6.31
2484.31	Peak	60.95	-4.69	56.26	74.00	-17.74

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Report Number :TERF2511003773E2
 Operation Mode :802.11b
 Test Frequency :2467 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



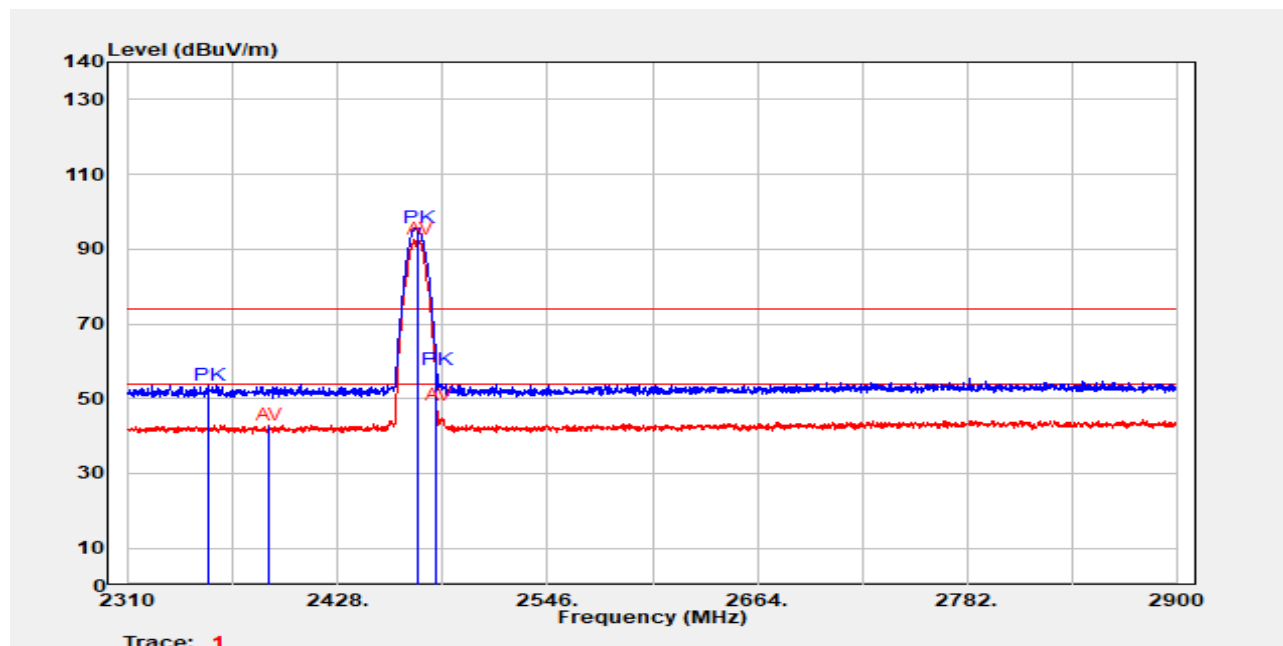
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2381.61	Peak	58.33	-4.40	53.93	74.00	-20.07
2387.32	Average	47.70	-4.39	43.31	54.00	-10.69
2468.37	Peak	112.44	-4.68	107.76	-	-
2468.37	Average	109.26	-4.68	104.58	-	-
2483.50	Average	58.09	-4.69	53.40	54.00	-0.60
2490.21	Peak	66.78	-4.68	62.10	74.00	-11.90

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Report Number :TERF2511003773E2
 Operation Mode :802.11b
 Test Frequency :2472 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



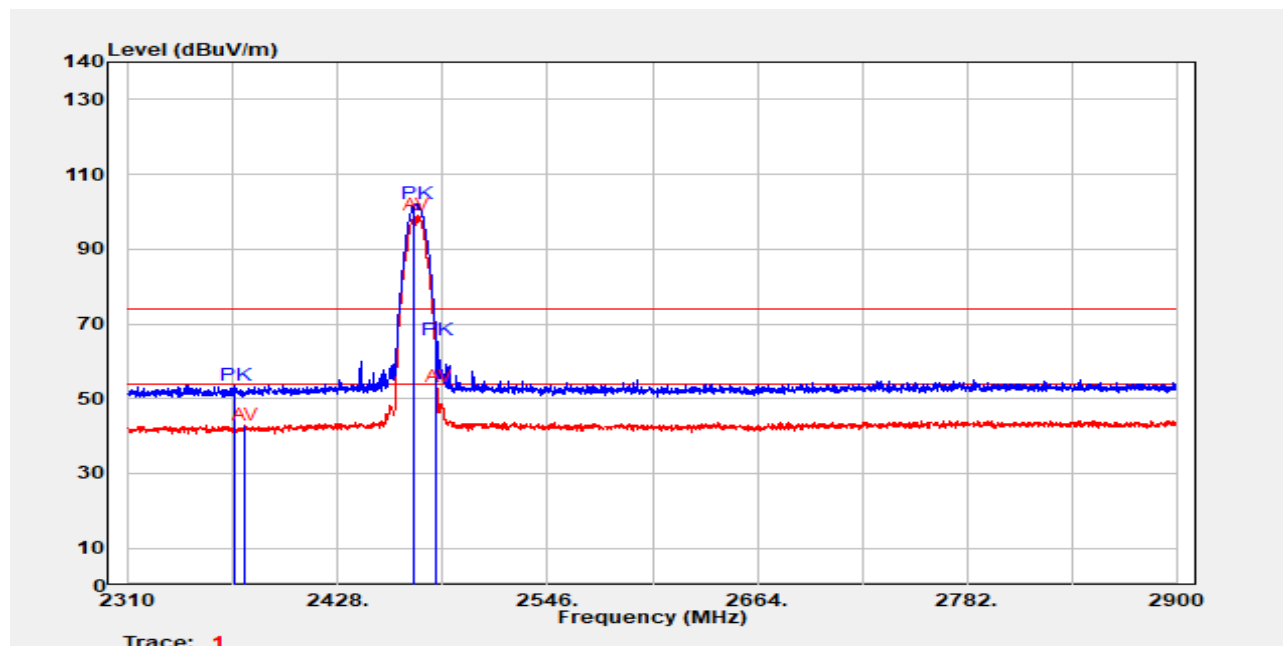
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2355.05	Peak	58.08	-4.41	53.67	74.00	-20.33
2388.89	Average	47.41	-4.40	43.01	54.00	-10.99
2473.29	Peak	100.29	-4.69	95.60	-	-
2473.29	Average	97.33	-4.69	92.64	-	-
2483.50	Peak	62.51	-4.69	57.82	74.00	-16.18
2483.50	Average	52.86	-4.69	48.17	54.00	-5.83

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Report Number :TERF2511003773E2
 Operation Mode :802.11b
 Test Frequency :2472 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



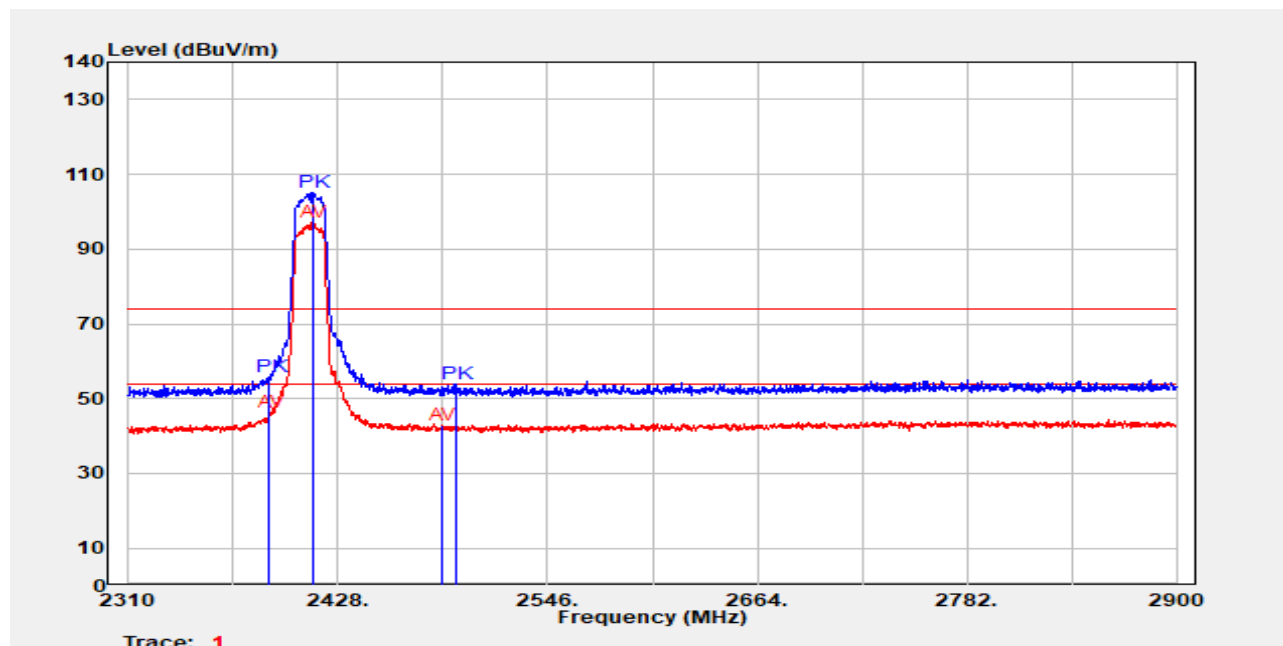
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2369.22	Peak	58.16	-4.50	53.66	74.00	-20.34
2375.32	Average	47.19	-4.45	42.74	54.00	-11.26
2471.12	Peak	106.69	-4.68	102.01	-	-
2471.12	Average	103.74	-4.68	99.06	-	-
2483.50	Peak	70.32	-4.69	65.63	74.00	-8.37
2483.50	Average	57.83	-4.69	53.14	54.00	-0.86

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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2389.28	Average	50.51	-4.40	46.11	54.00	-7.89
2389.48	Peak	60.29	-4.40	55.89	74.00	-18.11
2413.48	Peak	109.64	-4.49	105.15	-	-
2413.48	Average	101.80	-4.49	97.31	-	-
2486.47	Average	47.42	-4.68	42.74	54.00	-11.26
2493.95	Peak	58.53	-4.64	53.89	74.00	-20.11

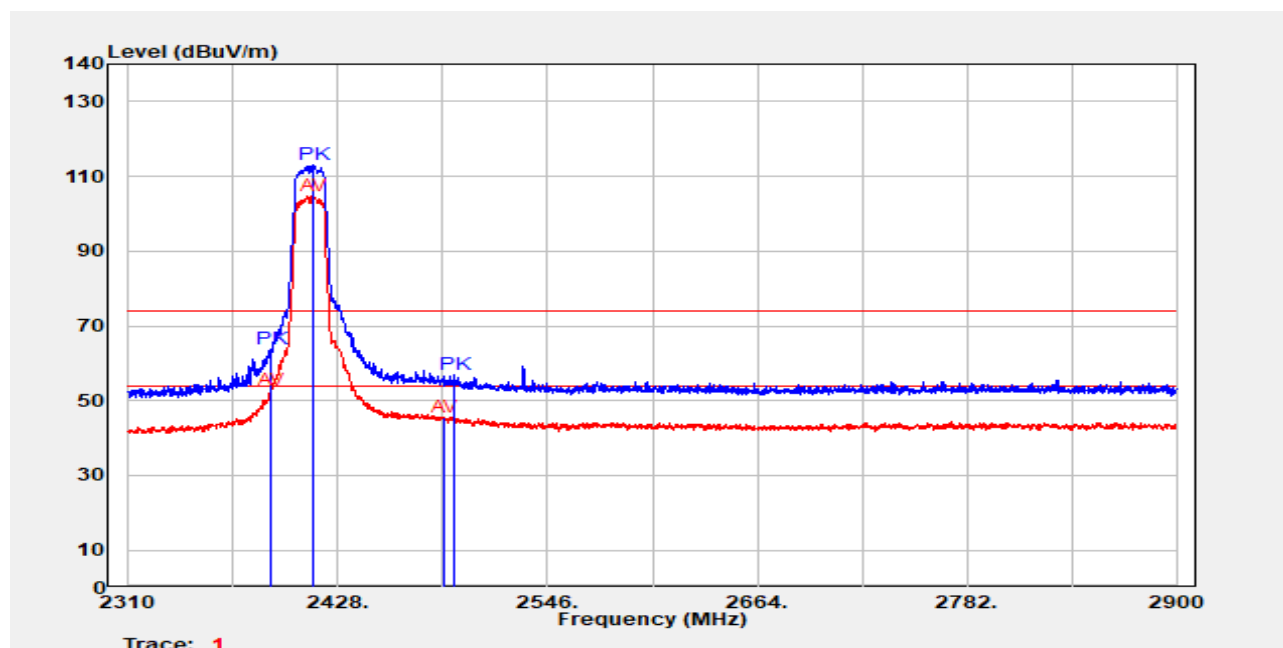
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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



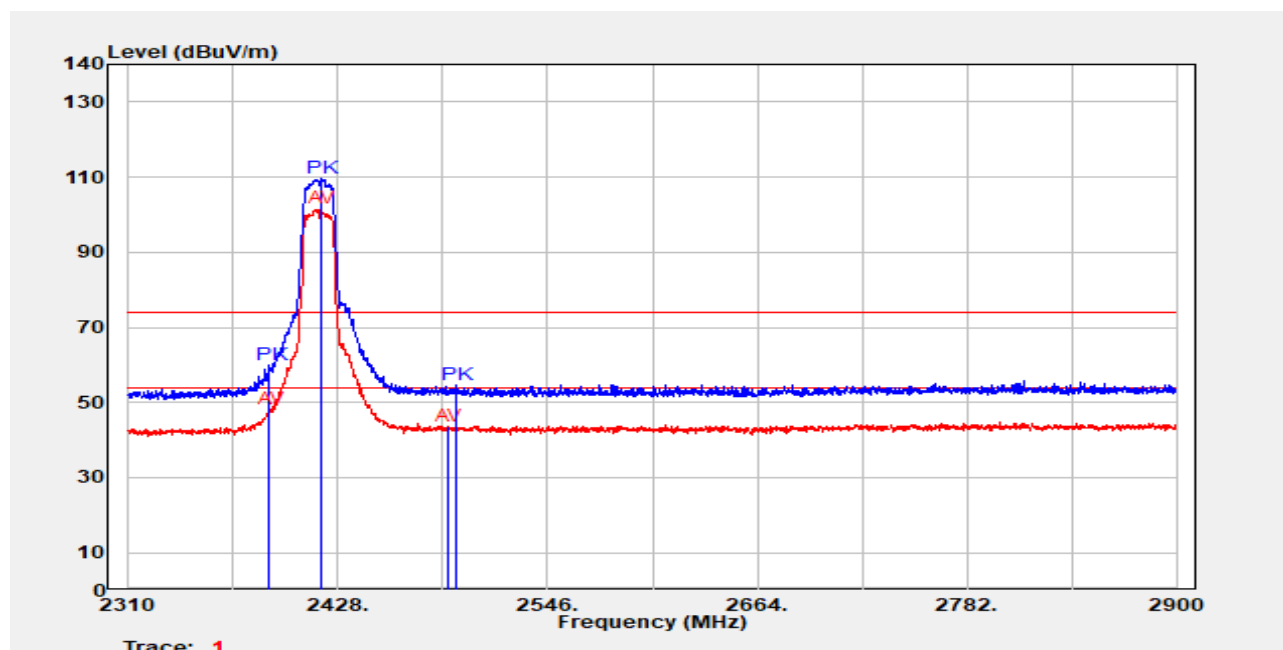
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2389.87	Peak	68.06	-4.40	63.66	74.00	-10.34
2389.87	Average	57.11	-4.40	52.71	54.00	-1.29
2413.48	Peak	117.43	-4.49	112.94	-	-
2413.48	Average	109.31	-4.49	104.82	-	-
2487.45	Average	50.34	-4.68	45.66	54.00	-8.34
2493.16	Peak	61.43	-4.65	56.78	74.00	-17.22

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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2417 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



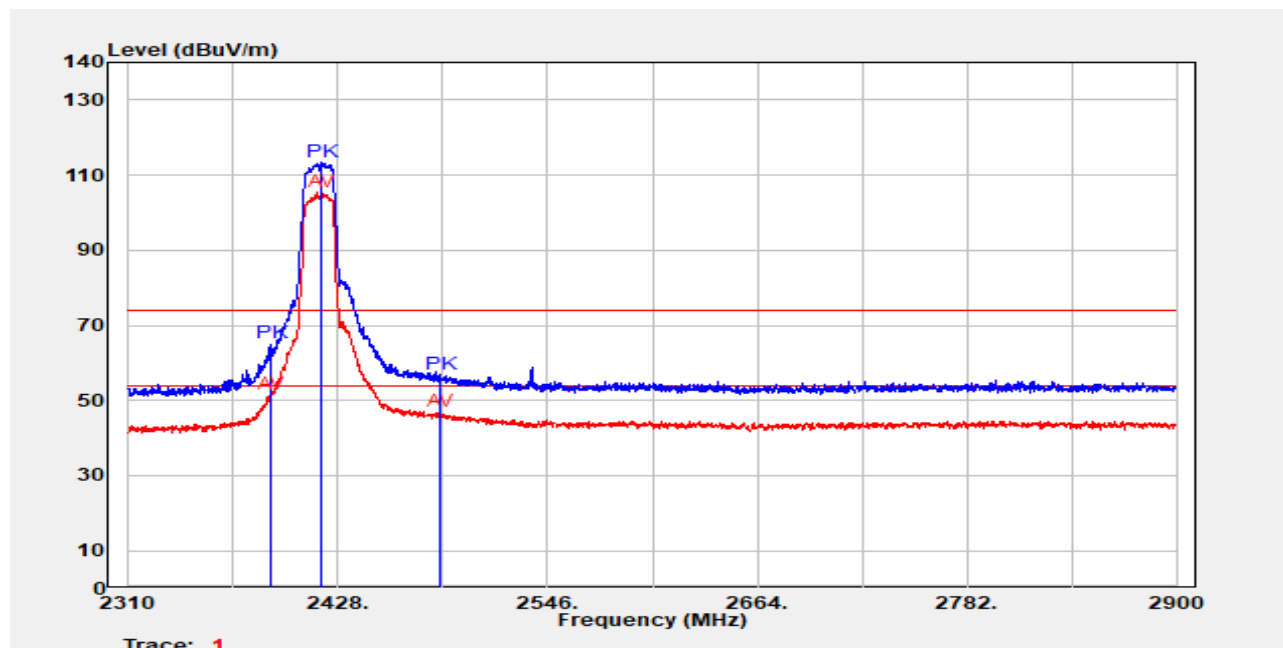
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2389.480	Peak	64.44	-4.40	60.04	74.00	-13.96
2389.480	Average	52.68	-4.40	48.28	54.00	-5.72
2418.596	Peak	114.08	-4.49	109.59	-	-
2418.596	Average	106.32	-4.49	101.83	-	-
2489.616	Average	48.47	-4.68	43.79	54.00	-10.21
2494.141	Peak	59.11	-4.64	54.47	74.00	-19.53

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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2417 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit dBμV/m	Margin dB
2389.677	Peak	69.69	-4.40	65.29	74.00	-8.71
2389.873	Average	56.17	-4.40	51.77	54.00	-2.23
2418.399	Peak	117.91	-4.49	113.42	-	-
2418.399	Average	110.03	-4.49	105.55	-	-
2484.895	Average	51.56	-4.68	46.87	54.00	-7.13
2485.092	Peak	61.48	-4.68	56.80	74.00	-17.20

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台灣檢驗科技股份有限公司

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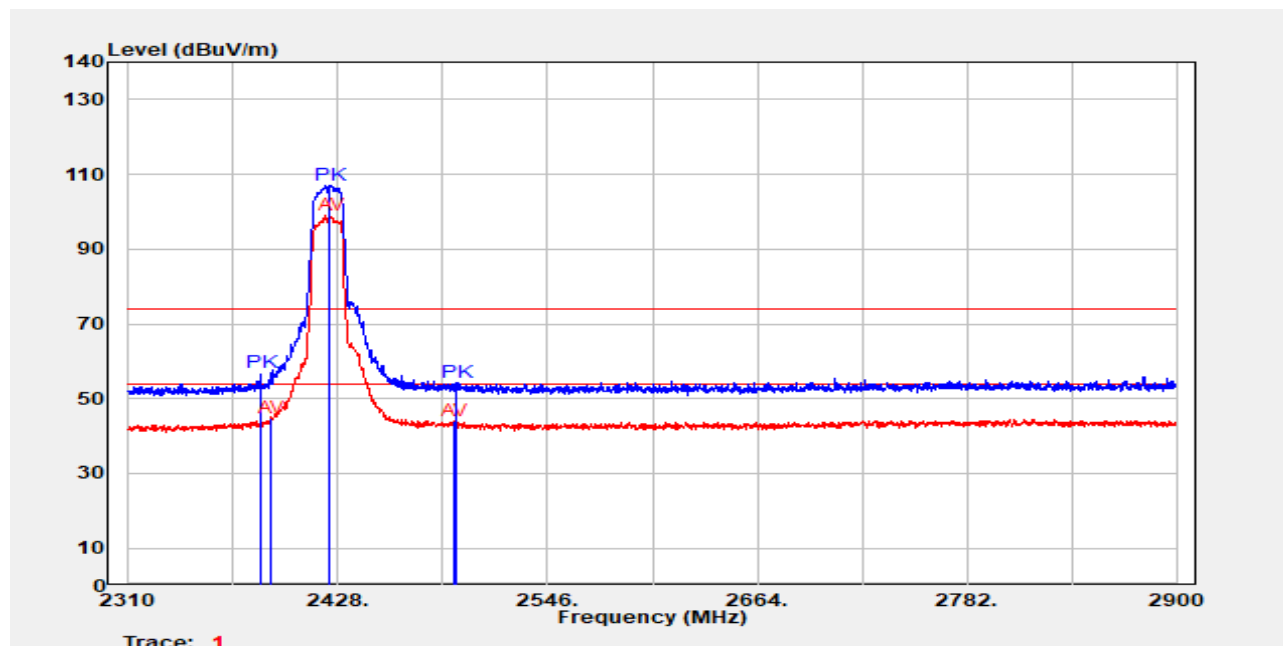
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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2422 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2384.17	Peak	61.18	-4.39	56.79	74.00	-17.21
2389.87	Average	49.17	-4.40	44.77	54.00	-9.23
2423.32	Peak	111.54	-4.49	107.05	-	-
2423.32	Average	103.70	-4.49	99.21	-	-
2493.35	Average	48.51	-4.65	43.86	54.00	-10.14
2494.54	Peak	58.78	-4.64	54.14	74.00	-19.86

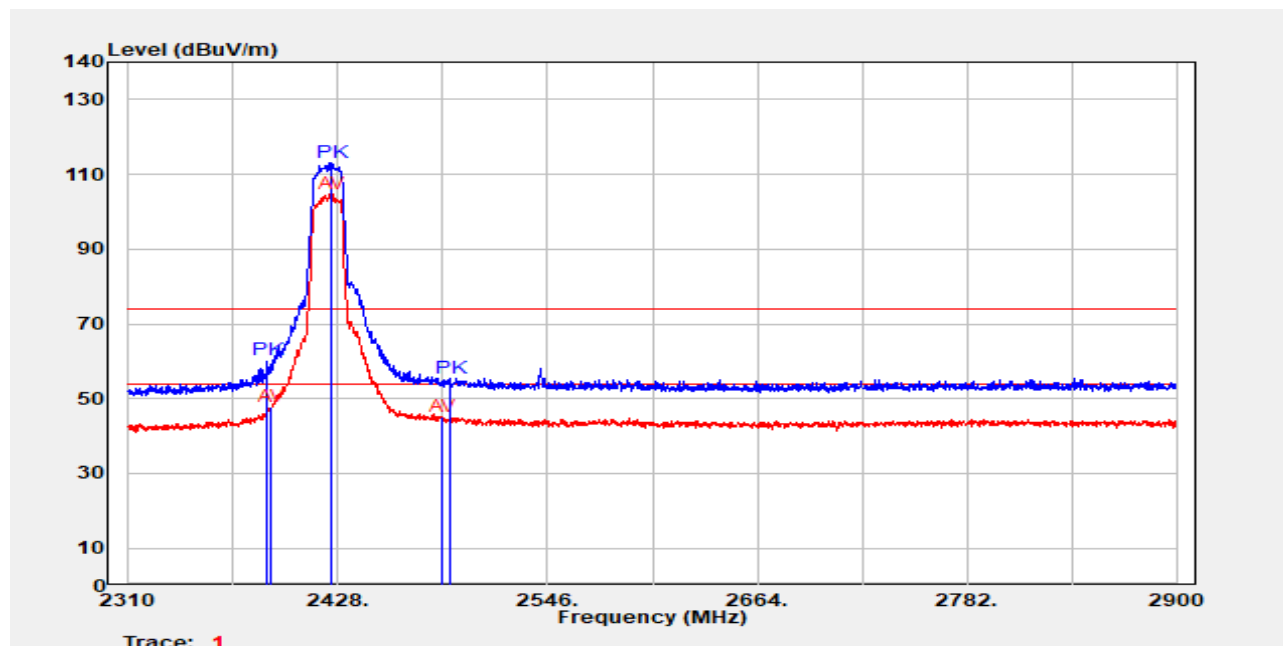
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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2422 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



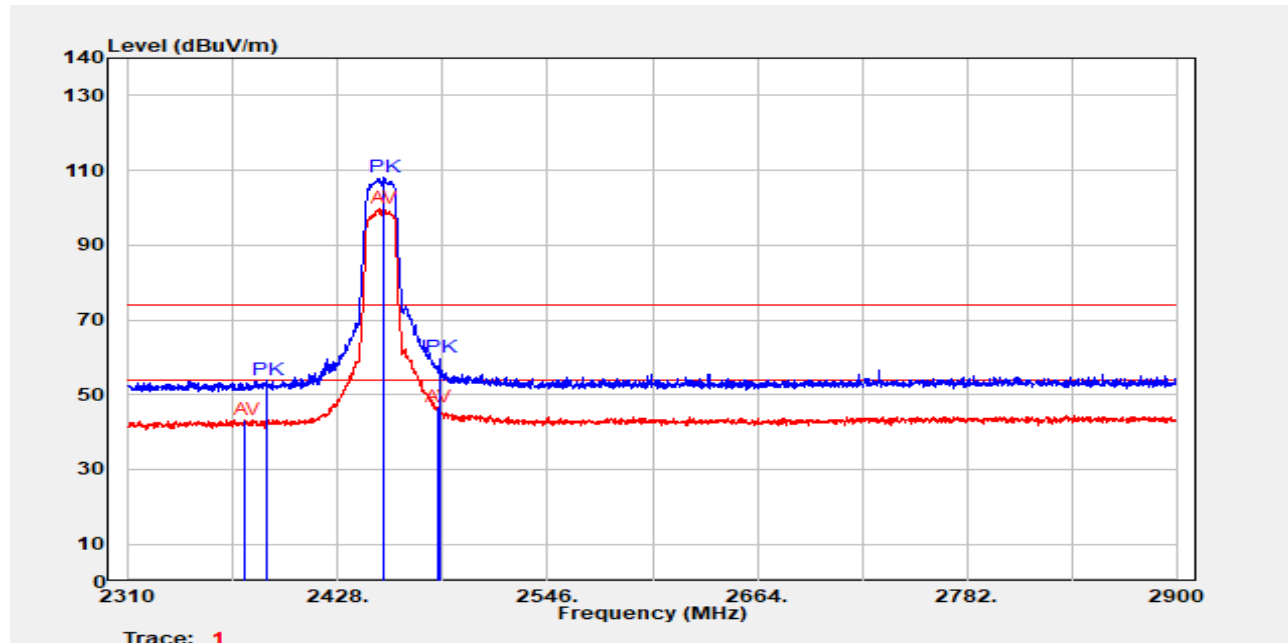
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2388.10	Peak	64.78	-4.40	60.38	74.00	-13.62
2389.87	Average	52.28	-4.40	47.88	54.00	-6.12
2423.71	Peak	117.68	-4.49	113.19	-	-
2423.71	Average	109.13	-4.49	104.64	-	-
2486.27	Average	50.01	-4.68	45.33	54.00	-8.67
2490.99	Peak	59.98	-4.67	55.31	74.00	-18.69

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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



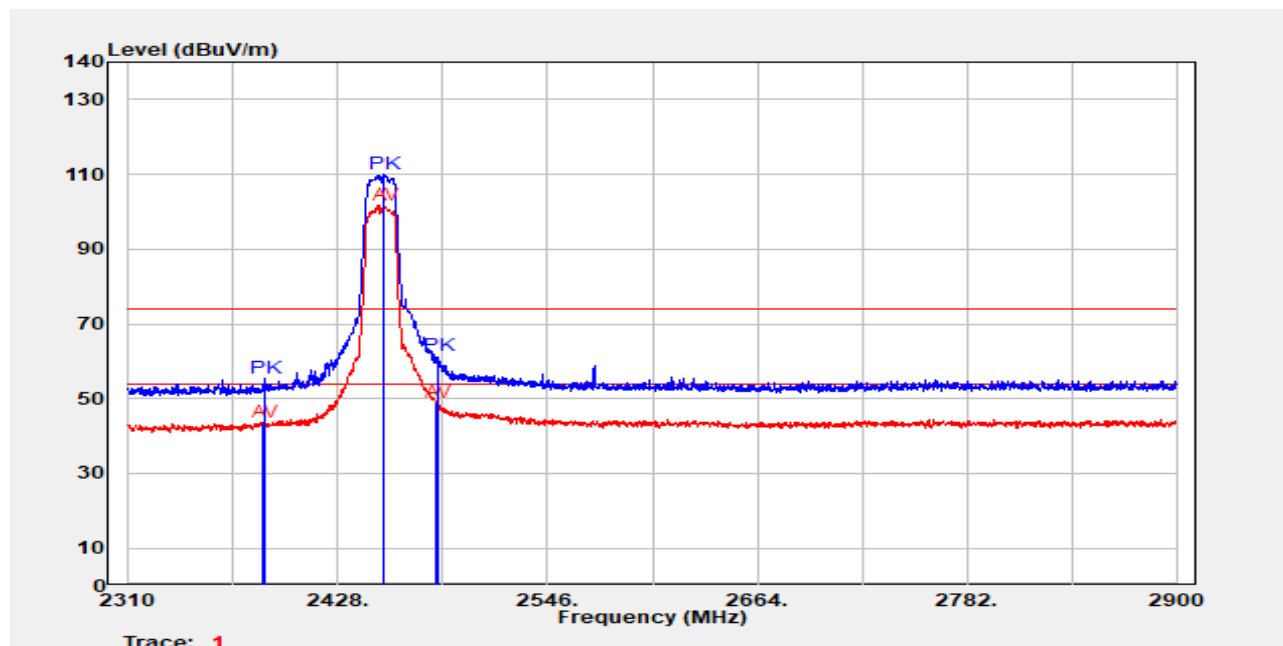
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2375.71	Average	47.69	-4.44	43.25	54.00	-10.75
2387.91	Peak	58.09	-4.40	53.69	74.00	-20.31
2453.42	Peak	112.75	-4.62	108.13	-	-
2453.42	Average	104.30	-4.62	99.68	-	-
2483.91	Average	51.29	-4.69	46.60	54.00	-7.40
2485.09	Peak	64.50	-4.68	59.82	74.00	-14.18

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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



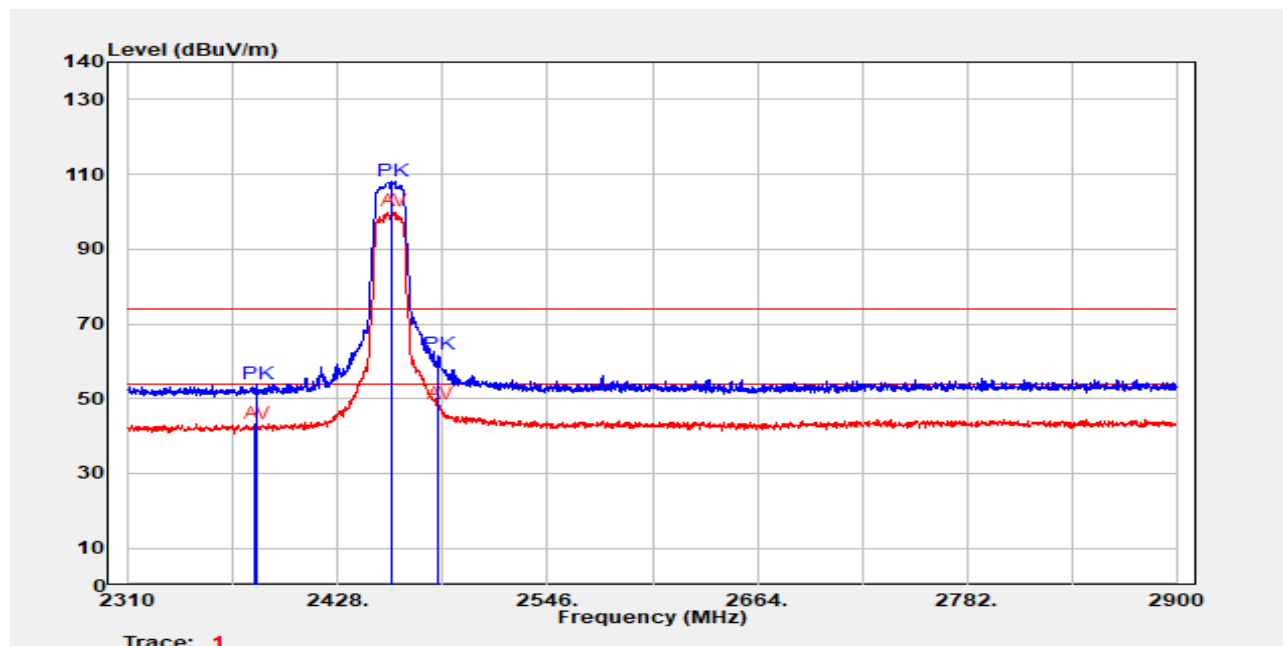
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2385.94	Average	48.11	-4.39	43.72	54.00	-10.28
2386.92	Peak	59.89	-4.39	55.50	74.00	-18.50
2454.01	Peak	114.69	-4.63	110.06	-	-
2454.01	Average	106.34	-4.63	101.71	-	-
2483.50	Average	53.67	-4.69	48.98	54.00	-5.02
2483.72	Peak	66.24	-4.69	61.55	74.00	-12.45

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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2457 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2381.41	Average	47.55	-4.40	43.15	54.00	-10.85
2382.20	Peak	58.09	-4.40	53.69	74.00	-20.31
2458.34	Peak	112.65	-4.66	107.99	-	-
2458.34	Average	104.97	-4.66	100.31	-	-
2484.50	Average	53.43	-4.69	48.74	54.00	-5.26
2484.70	Peak	66.50	-4.69	61.81	74.00	-12.19

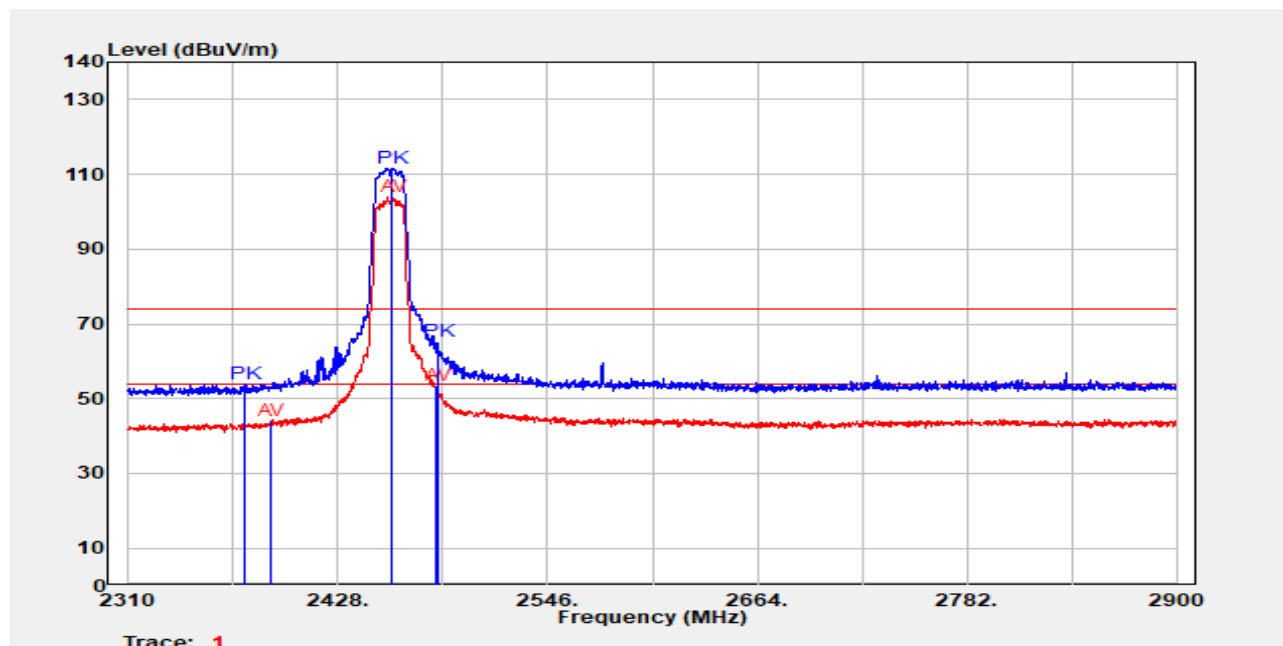
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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2457 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2375.32	Peak	58.36	-4.45	53.91	74.00	-20.09
2389.87	Average	48.46	-4.40	44.06	54.00	-9.94
2458.34	Peak	116.37	-4.66	111.71	-	-
2458.34	Average	108.46	-4.66	103.80	-	-
2483.50	Average	58.07	-4.69	53.38	54.00	-0.62
2484.31	Peak	70.00	-4.69	65.31	74.00	-8.69

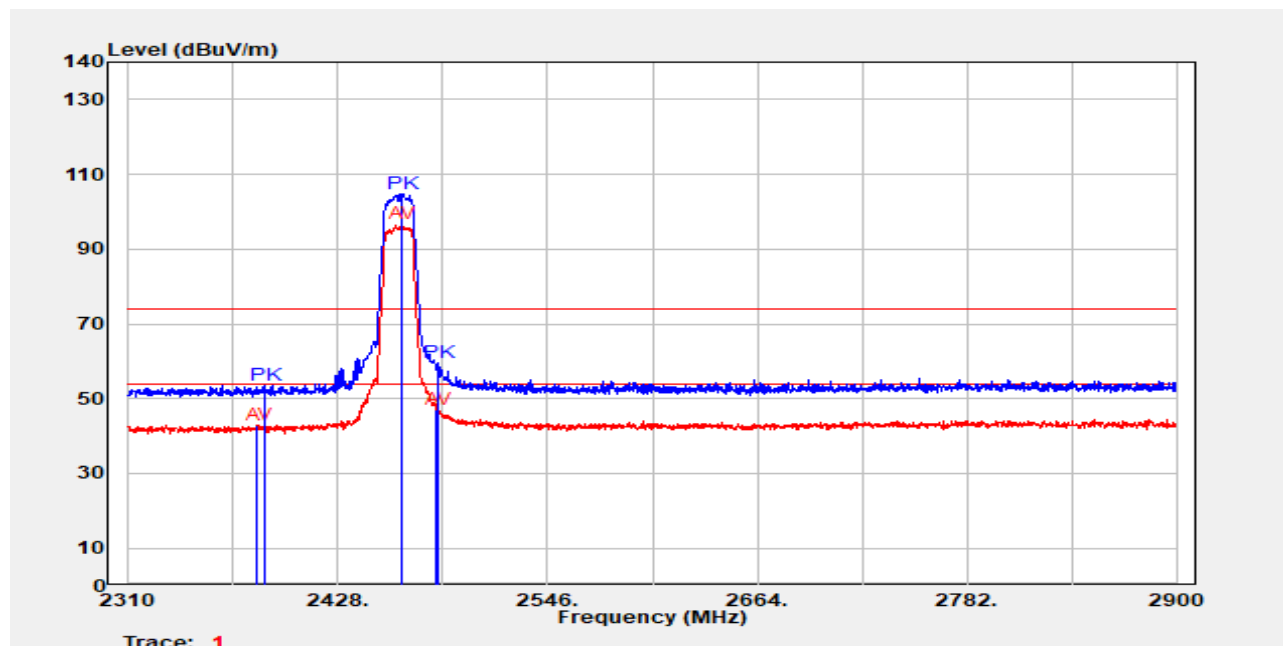
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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



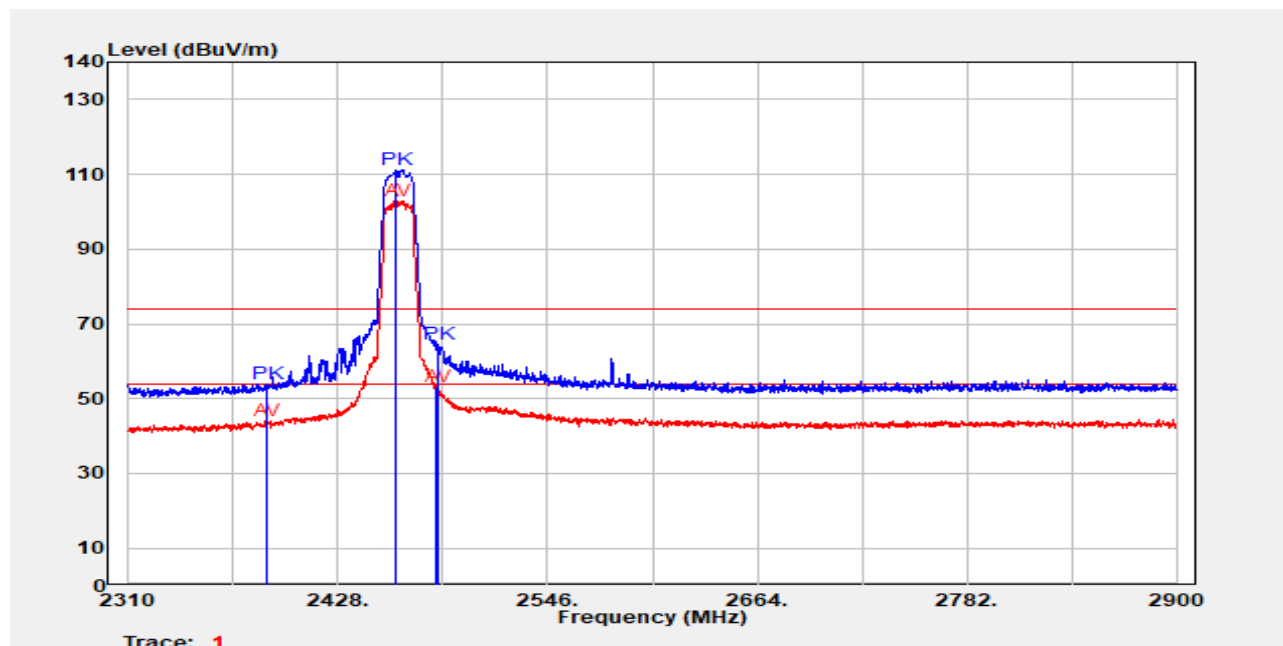
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2382.40	Average	47.37	-4.40	42.97	54.00	-11.03
2386.33	Peak	57.96	-4.39	53.57	74.00	-20.43
2463.45	Peak	109.52	-4.69	104.83	-	-
2463.45	Average	101.26	-4.69	96.57	-	-
2483.50	Average	51.80	-4.69	47.11	54.00	-6.89
2484.70	Peak	64.14	-4.69	59.45	74.00	-14.55

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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2387.51	Average	48.37	-4.40	43.97	54.00	-10.03
2388.30	Peak	58.27	-4.40	53.87	74.00	-20.13
2460.70	Peak	115.71	-4.68	111.03	-	-
2460.70	Average	107.60	-4.68	102.92	-	-
2483.50	Average	57.92	-4.69	53.23	54.00	-0.77
2484.31	Peak	69.16	-4.69	64.47	74.00	-9.53

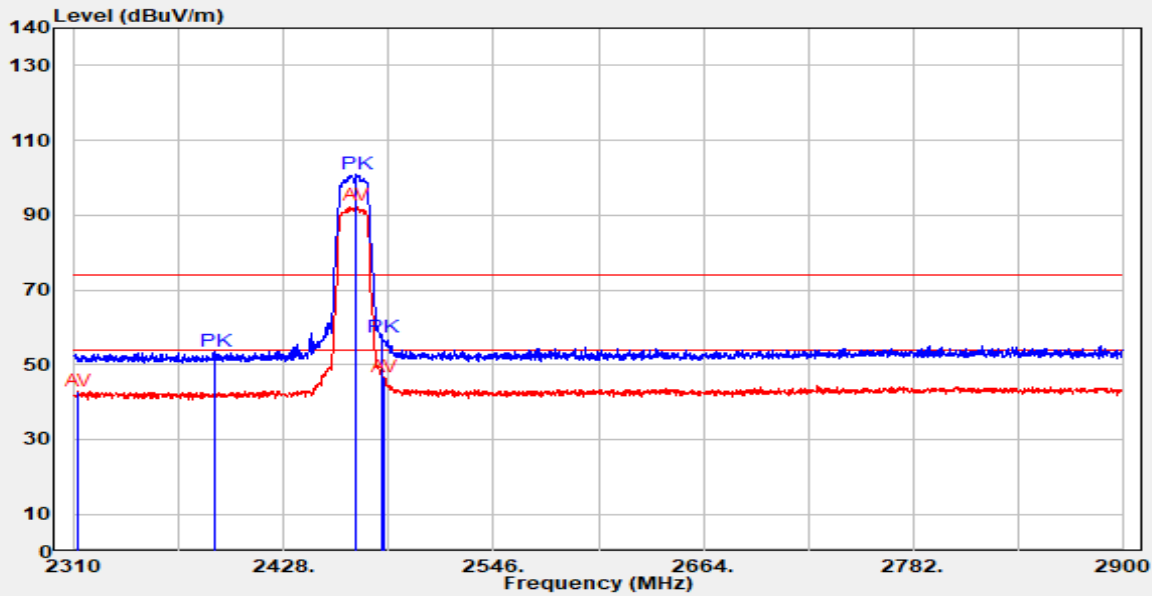
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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2467 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



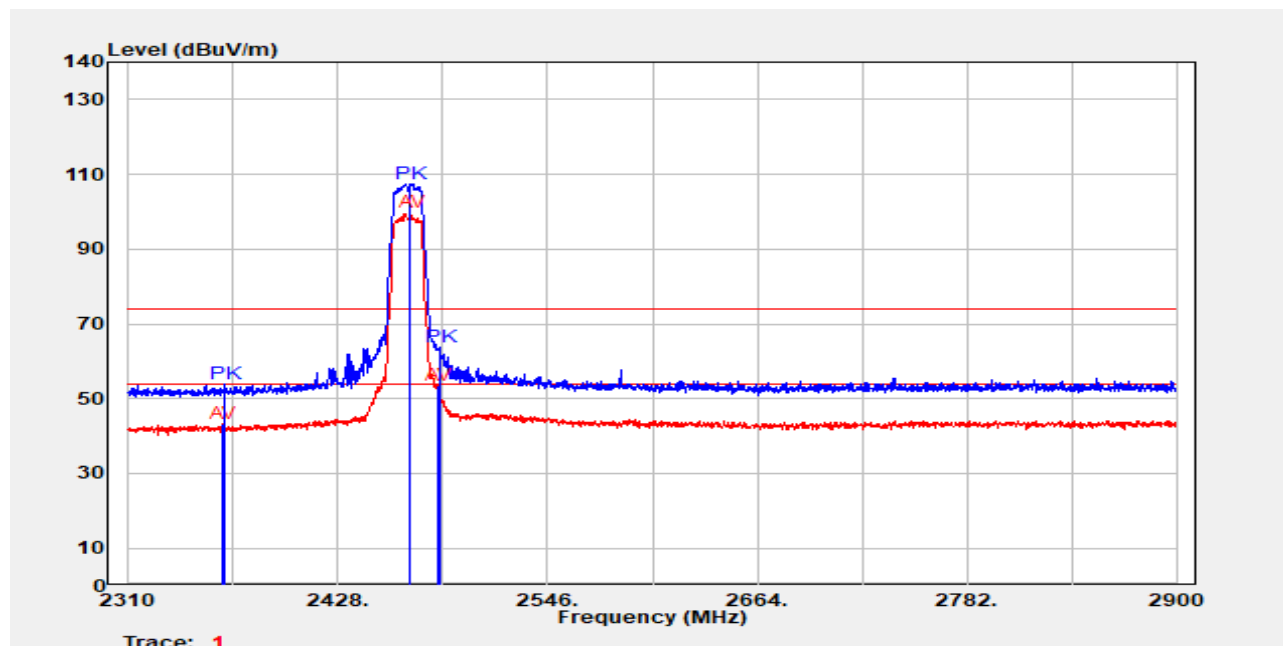
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2311.97	Average	47.13	-4.35	42.78	54.00	-11.22
2388.50	Peak	57.81	-4.40	53.41	74.00	-20.59
2468.37	Peak	105.46	-4.68	100.78	-	-
2468.37	Average	97.09	-4.68	92.41	-	-
2483.50	Peak	61.88	-4.69	57.19	74.00	-16.81
2483.72	Average	51.54	-4.69	46.85	54.00	-7.15

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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2467 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



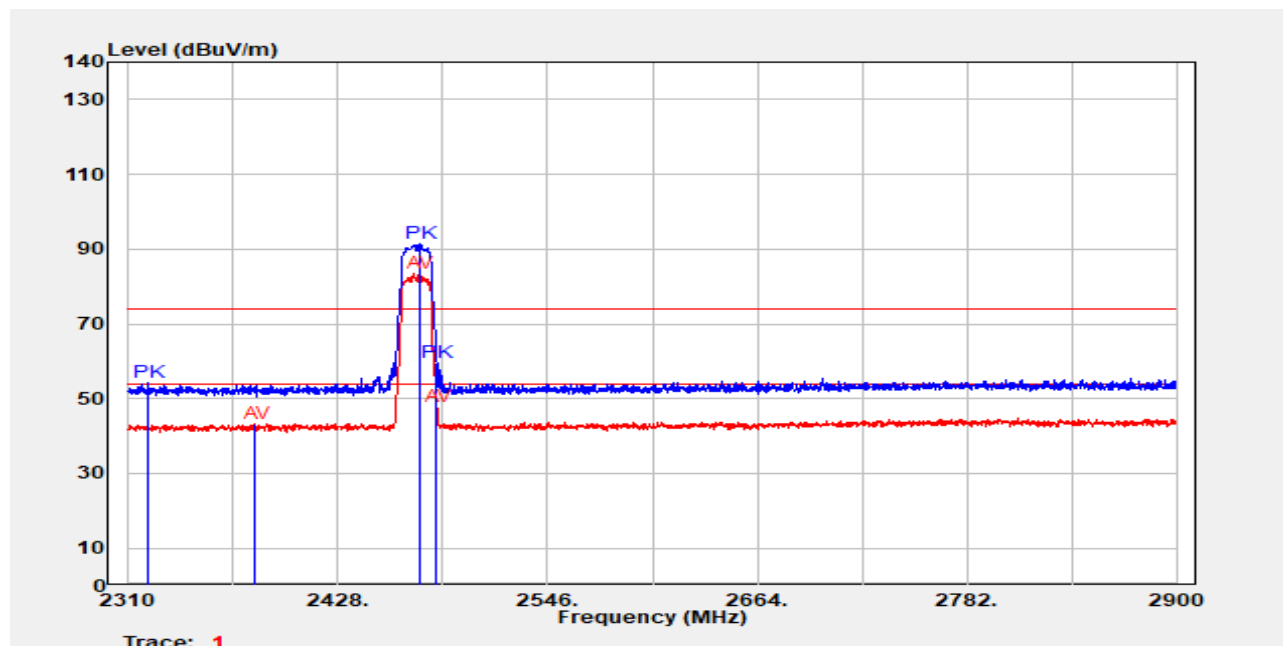
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2362.53	Average	47.56	-4.44	43.12	54.00	-10.88
2364.50	Peak	58.21	-4.45	53.76	74.00	-20.24
2468.57	Peak	112.17	-4.68	107.49	-	-
2468.57	Average	104.58	-4.68	99.90	-	-
2483.72	Average	58.18	-4.69	53.49	54.00	-0.51
2485.09	Peak	68.39	-4.68	63.71	74.00	-10.29

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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2472 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2321.21	Peak	58.79	-4.43	54.36	74.00	-19.64
2381.22	Average	47.55	-4.40	43.15	54.00	-10.85
2473.68	Peak	95.98	-4.69	91.29	-	-
2473.68	Average	88.13	-4.69	83.44	-	-
2483.50	Peak	64.35	-4.69	59.66	74.00	-14.34
2483.50	Average	52.67	-4.69	47.98	54.00	-6.02

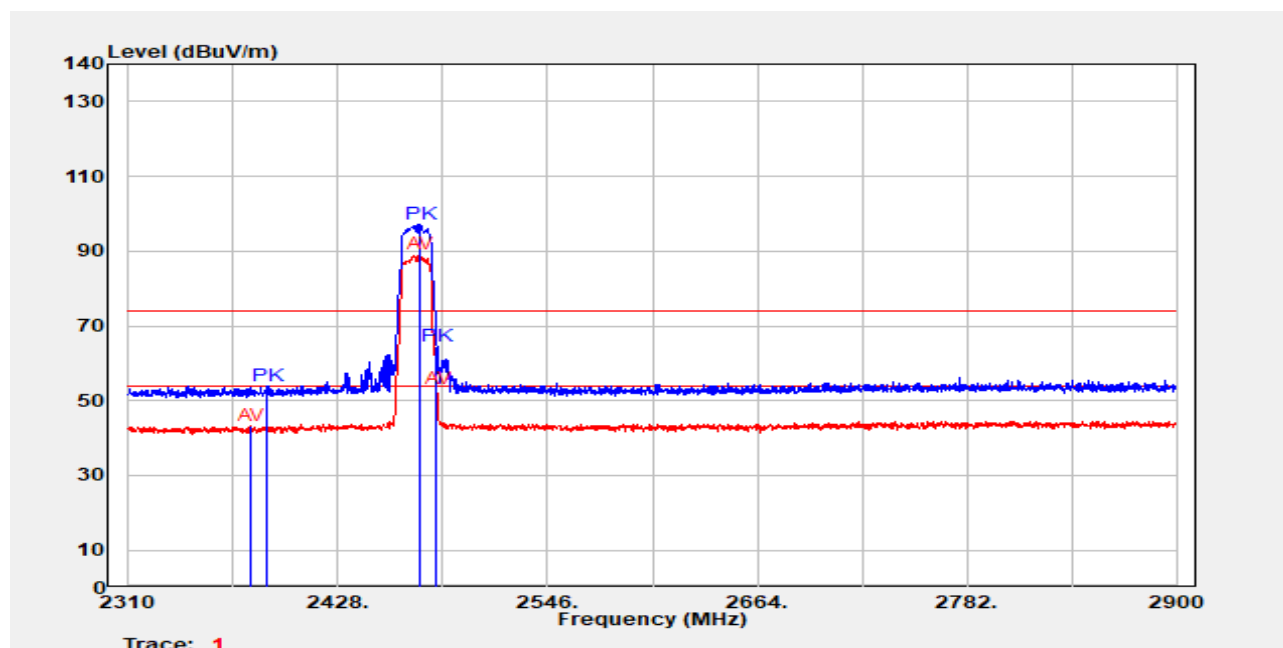
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Report Number :TERF2511003773E2
 Operation Mode :802.11g
 Test Frequency :2472 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



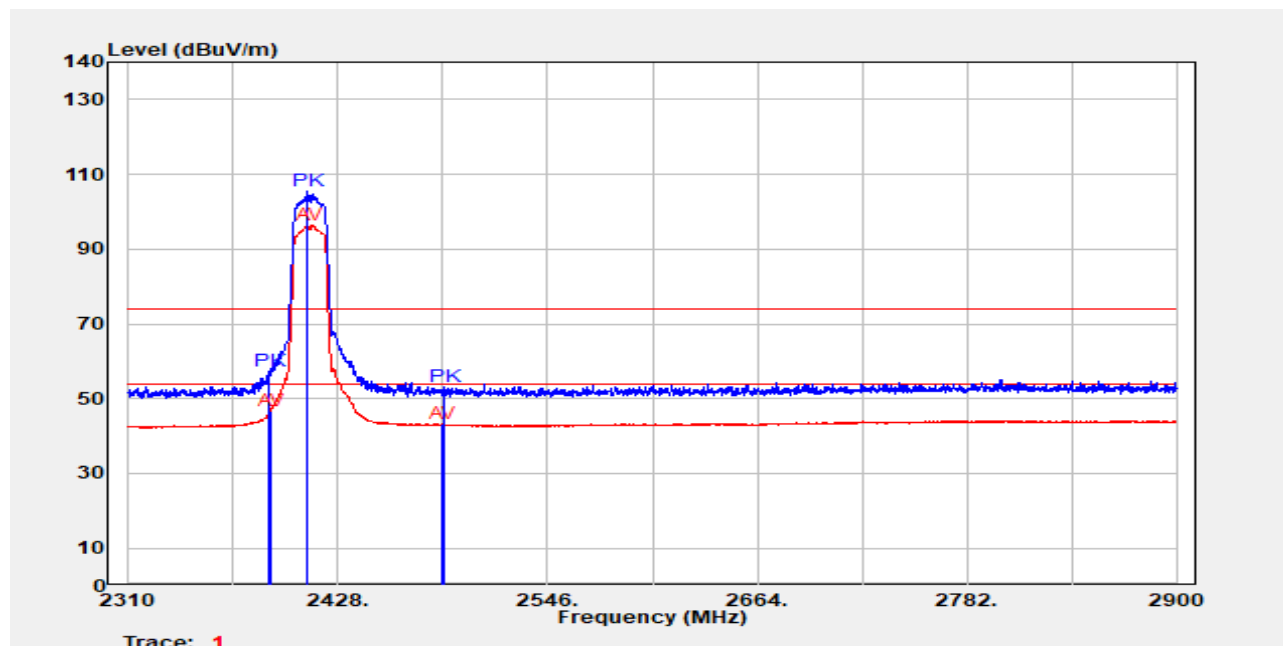
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2378.27	Average	47.70	-4.42	43.28	54.00	-10.72
2387.32	Peak	58.32	-4.39	53.93	74.00	-20.07
2473.48	Peak	101.75	-4.69	97.06	-	-
2473.48	Average	93.73	-4.69	89.04	-	-
2483.50	Peak	69.26	-4.69	64.57	74.00	-9.43
2483.50	Average	57.78	-4.69	53.09	54.00	-0.91

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Report Number :TERF2511003773E2
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



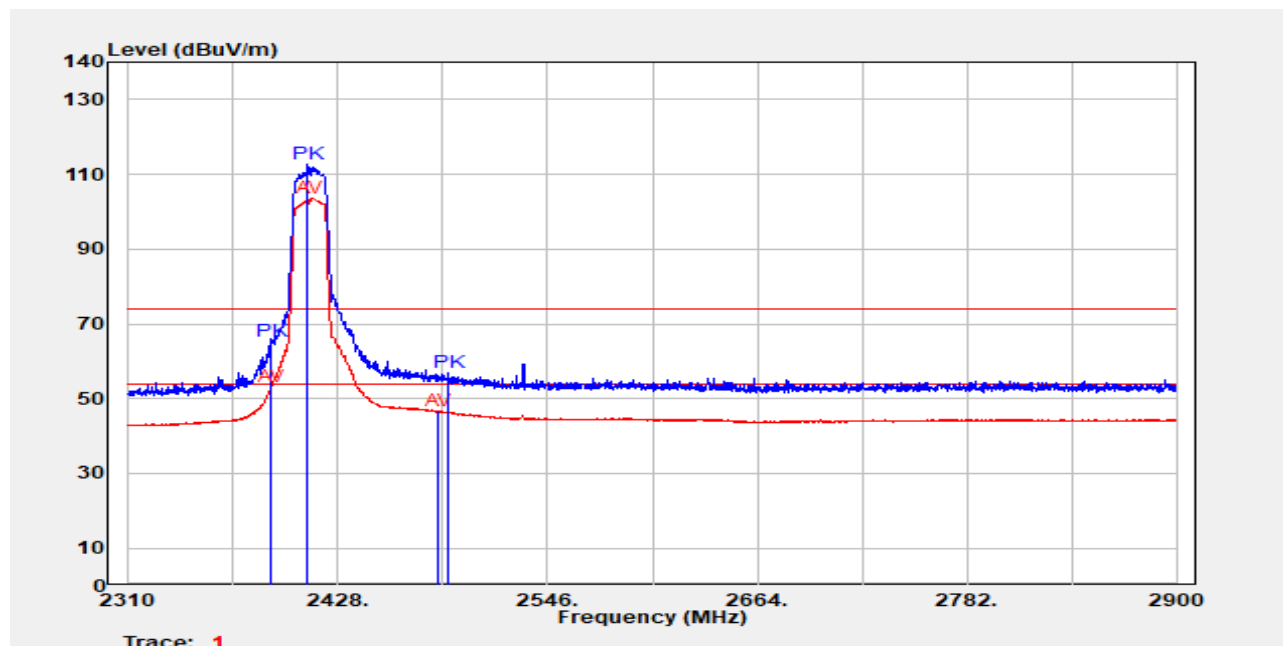
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2388.69	Peak	61.63	-4.40	57.23	74.00	-16.77
2389.87	Average	51.12	-4.40	46.72	54.00	-7.28
2410.73	Peak	109.98	-4.49	105.49	-	-
2410.73	Average	100.89	-4.49	96.40	-	-
2486.08	Average	47.87	-4.68	43.19	54.00	-10.81
2488.04	Peak	57.64	-4.68	52.96	74.00	-21.04

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Report Number :TERF2511003773E2
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2389.87	Peak	69.76	-4.40	65.36	74.00	-8.64
2389.87	Average	57.49	-4.40	53.09	54.00	-0.91
2410.92	Peak	117.11	-4.49	112.62	-	-
2410.92	Average	108.26	-4.49	103.77	-	-
2483.91	Average	51.41	-4.69	46.72	54.00	-7.28
2490.21	Peak	61.42	-4.68	56.74	74.00	-17.26

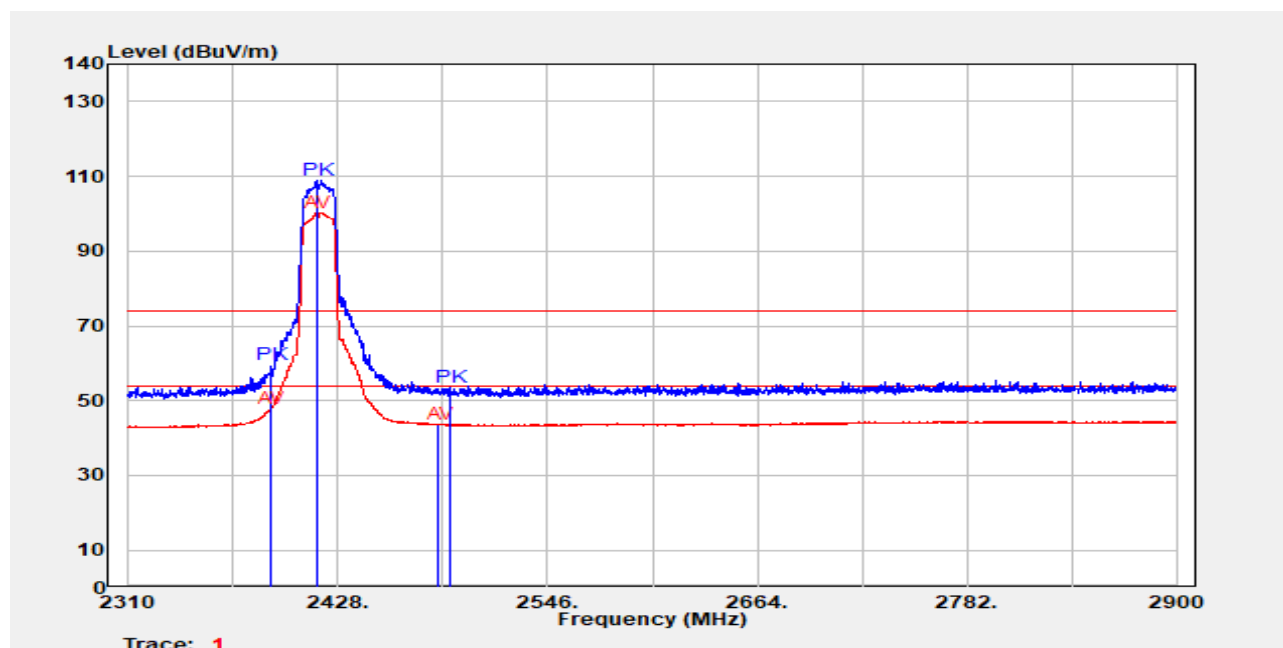
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Report Number :TERF2511003773E2
 Operation Mode :802.11n20
 Test Frequency :2417 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



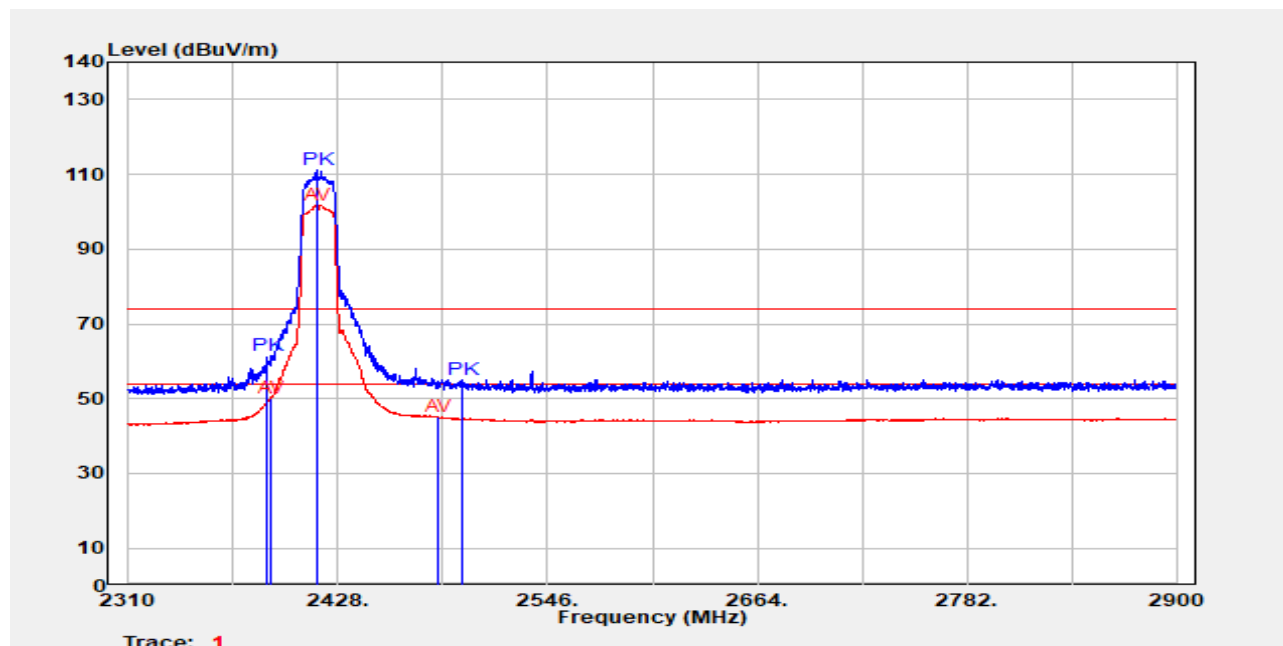
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2389.87	Peak	64.08	-4.40	59.68	74.00	-14.32
2389.87	Average	52.32	-4.40	47.92	54.00	-6.08
2415.84	Peak	113.48	-4.48	109.00	-	-
2415.84	Average	104.69	-4.48	100.21	-	-
2484.50	Average	48.43	-4.69	43.74	54.00	-10.26
2490.60	Peak	58.23	-4.67	53.56	74.00	-20.44

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Report Number :TERF2511003773E2
 Operation Mode :802.11n20
 Test Frequency :2417 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2388.30	Peak	65.81	-4.40	61.41	74.00	-12.59
2389.87	Average	54.60	-4.40	50.20	54.00	-3.80
2415.84	Peak	115.52	-4.48	111.04	-	-
2415.84	Average	106.25	-4.48	101.77	-	-
2484.11	Average	49.94	-4.69	45.25	54.00	-8.75
2497.68	Peak	59.72	-4.60	55.12	74.00	-18.88

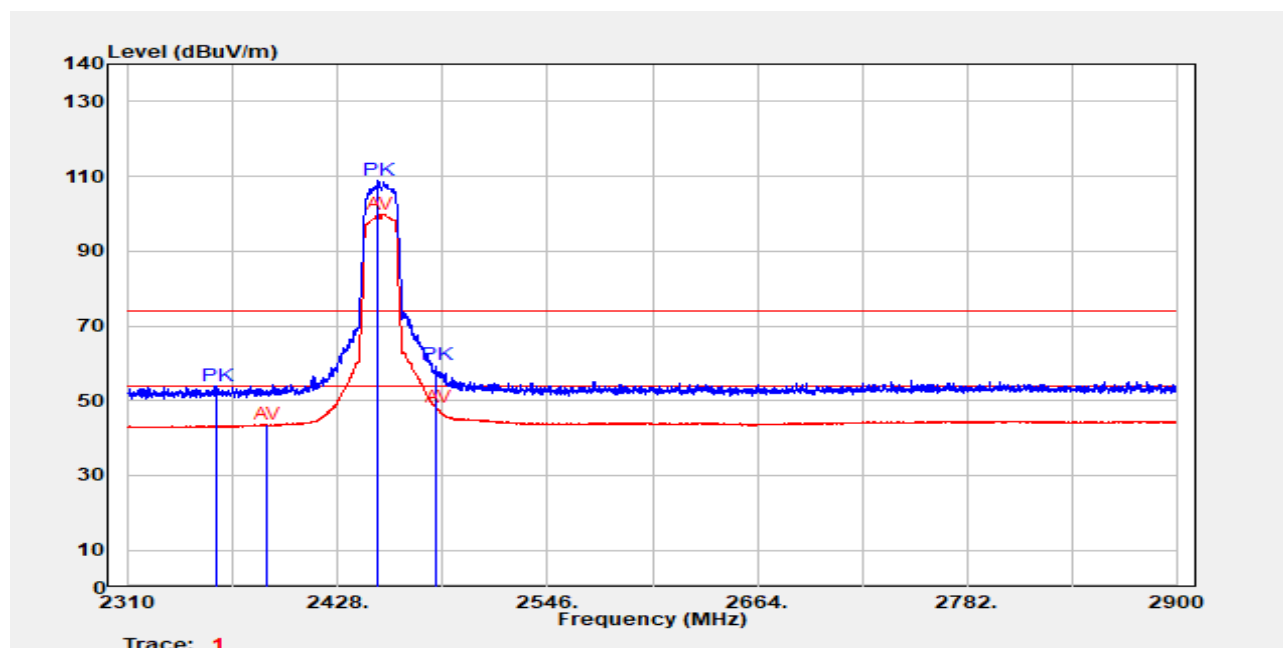
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Report Number :TERF2511003773E2
 Operation Mode :802.11n20
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



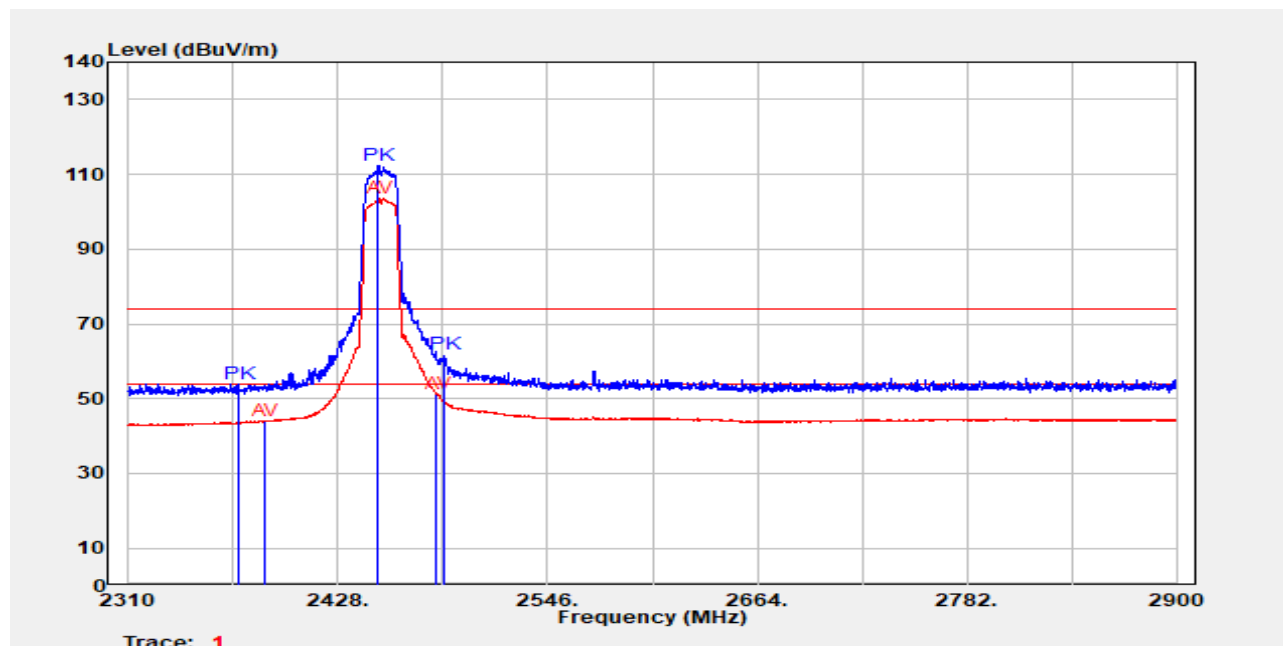
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2358.99	Peak	58.22	-4.41	53.81	74.00	-20.19
2387.32	Average	48.07	-4.39	43.68	54.00	-10.32
2450.66	Peak	113.62	-4.60	109.02	-	-
2450.66	Average	104.46	-4.60	99.86	-	-
2483.50	Peak	64.43	-4.69	59.74	74.00	-14.26
2483.50	Average	52.76	-4.69	48.07	54.00	-5.93

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Report Number :TERF2511003773E2
 Operation Mode :802.11n20
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



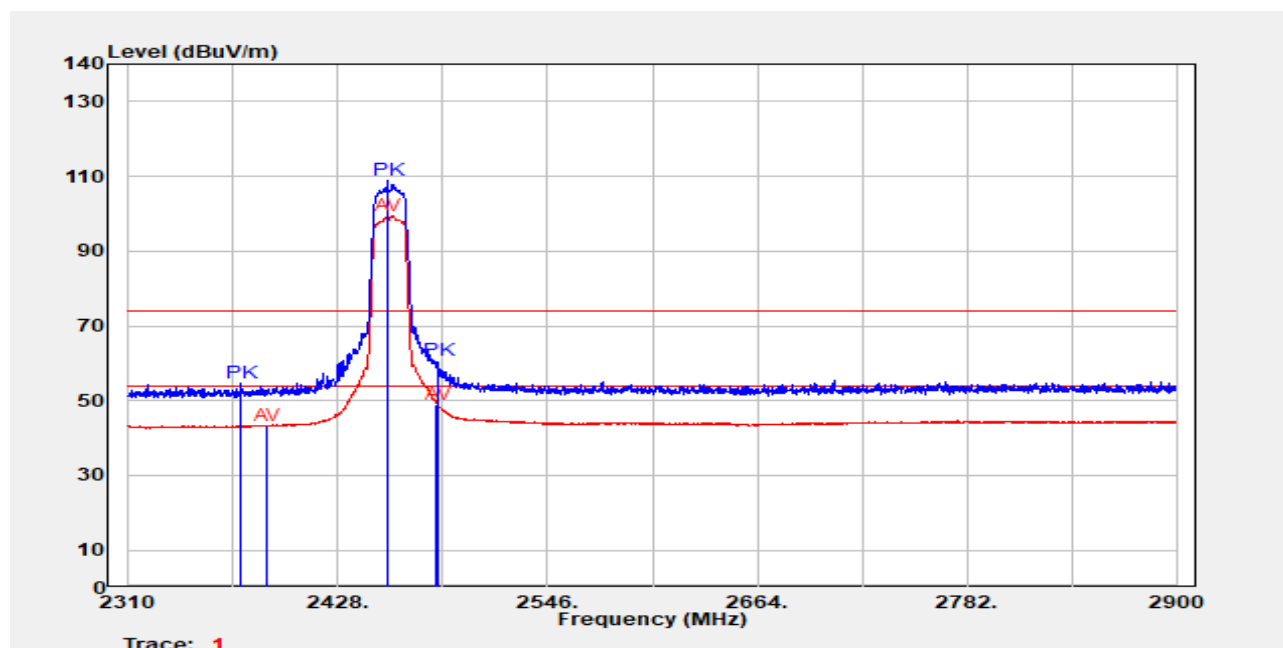
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2371.38	Peak	58.43	-4.50	53.93	74.00	-20.07
2386.73	Average	48.44	-4.39	44.05	54.00	-9.95
2450.47	Peak	117.00	-4.59	112.41	-	-
2450.47	Average	108.19	-4.59	103.60	-	-
2483.50	Average	56.08	-4.69	51.39	54.00	-2.61
2488.04	Peak	66.65	-4.68	61.97	74.00	-12.03

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Report Number :TERF2511003773E2
 Operation Mode :802.11n20
 Test Frequency :2457 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



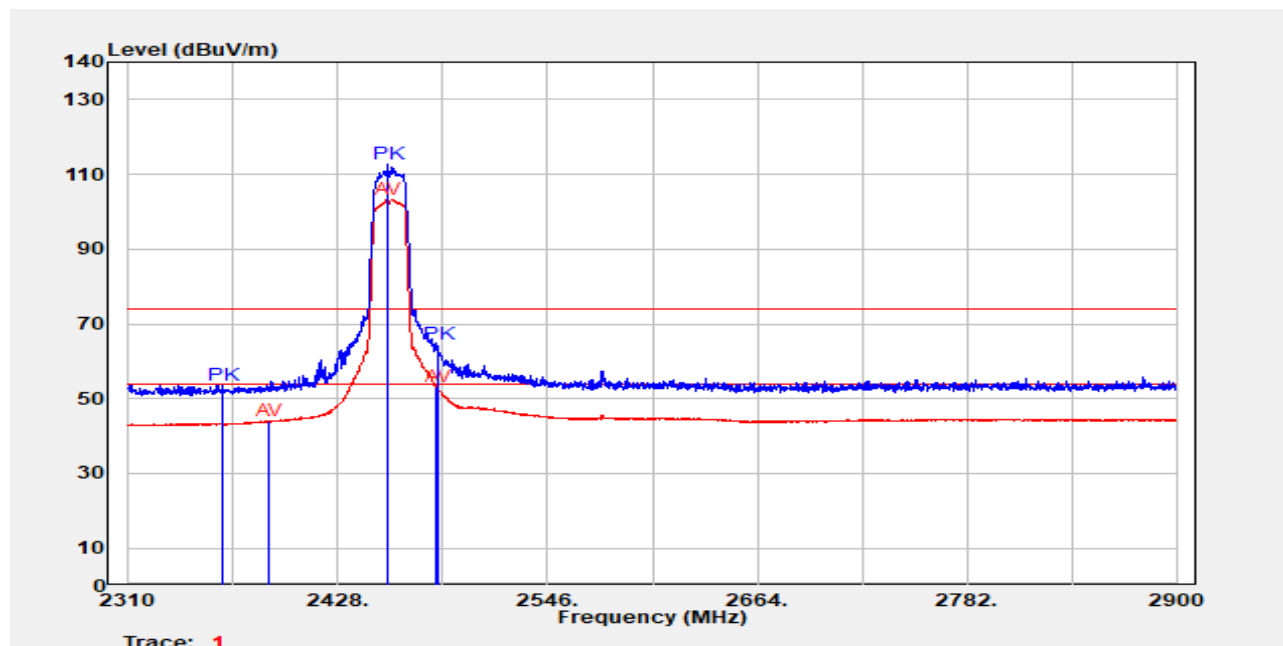
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2372.95	Peak	58.99	-4.47	54.52	74.00	-19.48
2387.91	Average	47.83	-4.40	43.43	54.00	-10.57
2455.78	Peak	113.41	-4.64	108.77	-	-
2455.78	Average	104.07	-4.64	99.43	-	-
2483.50	Average	53.81	-4.69	49.12	54.00	-4.88
2483.91	Peak	65.49	-4.69	60.80	74.00	-13.20

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Report Number :TERF2511003773E2
 Operation Mode :802.11n20
 Test Frequency :2457 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



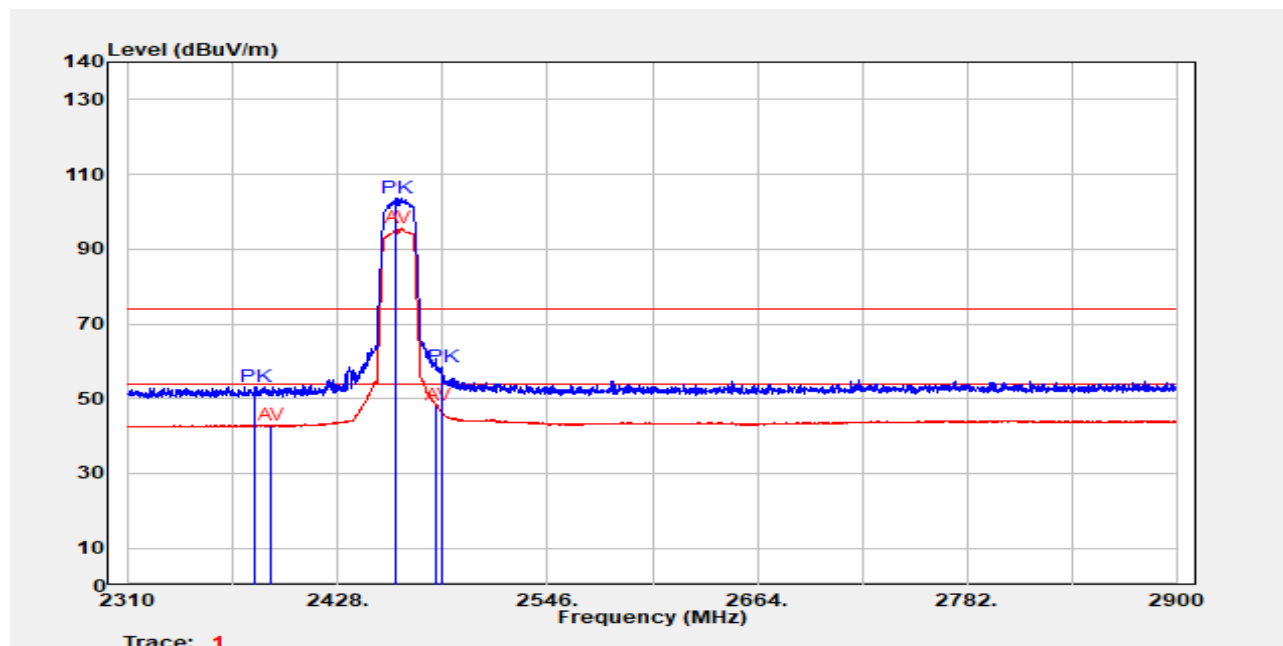
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2363.31	Peak	57.98	-4.44	53.54	74.00	-20.46
2388.50	Average	48.43	-4.40	44.03	54.00	-9.97
2455.78	Peak	117.48	-4.64	112.84	-	-
2455.78	Average	107.99	-4.64	103.35	-	-
2483.50	Average	57.70	-4.69	53.01	54.00	-0.99
2483.72	Peak	69.31	-4.69	64.62	74.00	-9.38

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Report Number :TERF2511003773E2
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2381.41	Peak	57.70	-4.40	53.30	74.00	-20.70
2389.87	Average	47.35	-4.40	42.95	54.00	-11.05
2460.70	Peak	108.37	-4.68	103.69	-	-
2460.70	Average	100.19	-4.68	95.51	-	-
2483.50	Average	52.79	-4.69	48.10	54.00	-5.90
2486.08	Peak	63.25	-4.68	58.57	74.00	-15.43

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台灣檢驗科技股份有限公司

t (886-2) 2299-3279

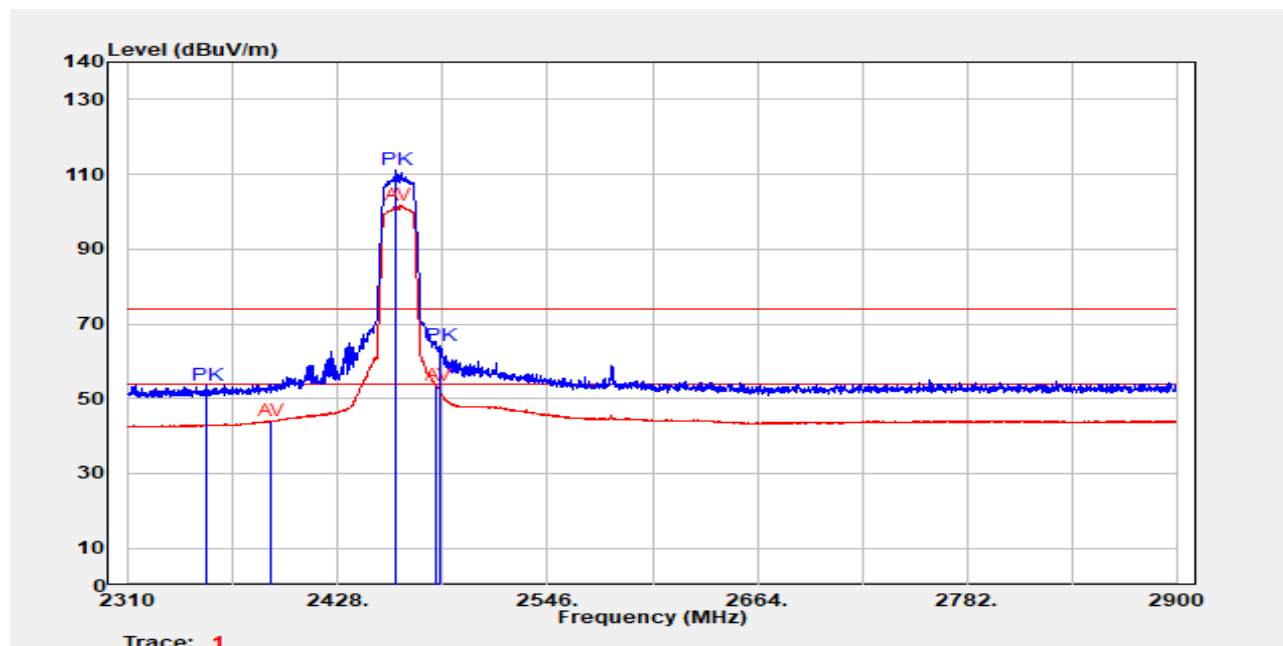
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Member of SGS Group

Report Number :TERF2511003773E2
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



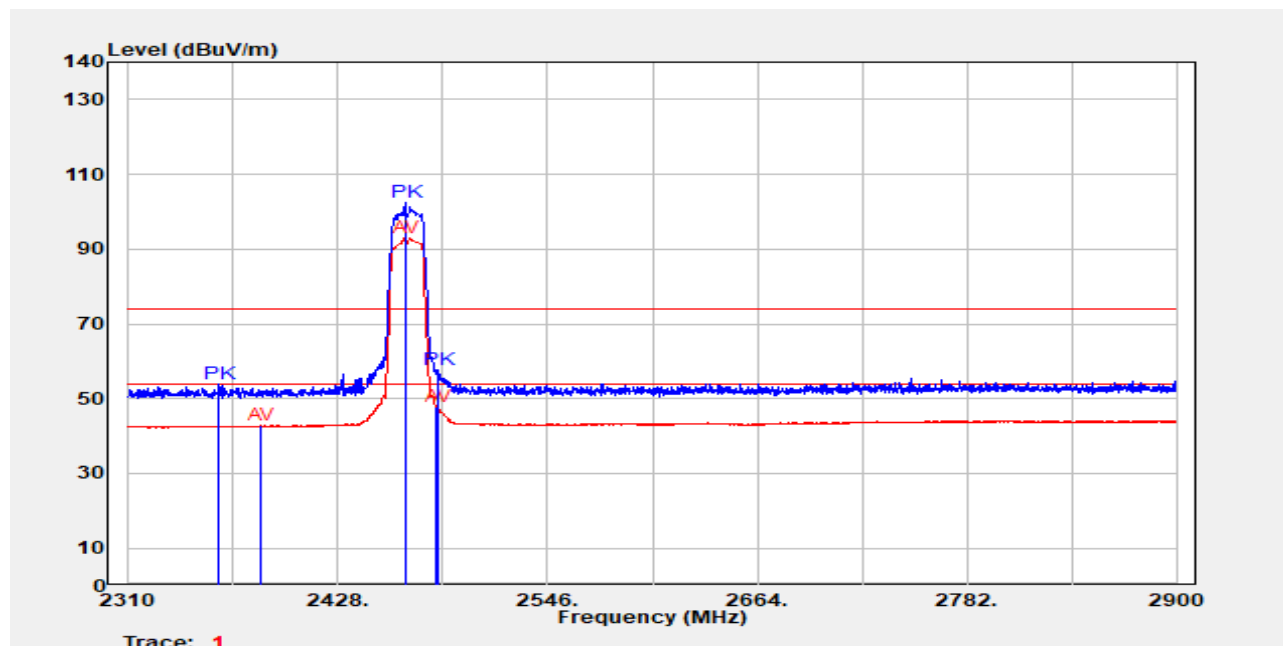
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2353.87	Peak	58.03	-4.41	53.62	74.00	-20.38
2389.87	Average	48.43	-4.40	44.03	54.00	-9.97
2460.70	Peak	115.66	-4.68	110.98	-	-
2460.70	Average	106.32	-4.68	101.64	-	-
2483.50	Average	58.09	-4.69	53.40	54.00	-0.60
2485.49	Peak	68.65	-4.68	63.97	74.00	-10.03

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Report Number :TERF2511003773E2
 Operation Mode :802.11n20
 Test Frequency :2467 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2360.56	Peak	58.11	-4.42	53.69	74.00	-20.31
2383.97	Average	47.13	-4.39	42.74	54.00	-11.26
2465.81	Peak	107.02	-4.68	102.34	-	-
2465.81	Average	97.57	-4.68	92.89	-	-
2483.50	Average	52.60	-4.69	47.91	54.00	-6.09
2483.72	Peak	62.50	-4.69	57.81	74.00	-16.19

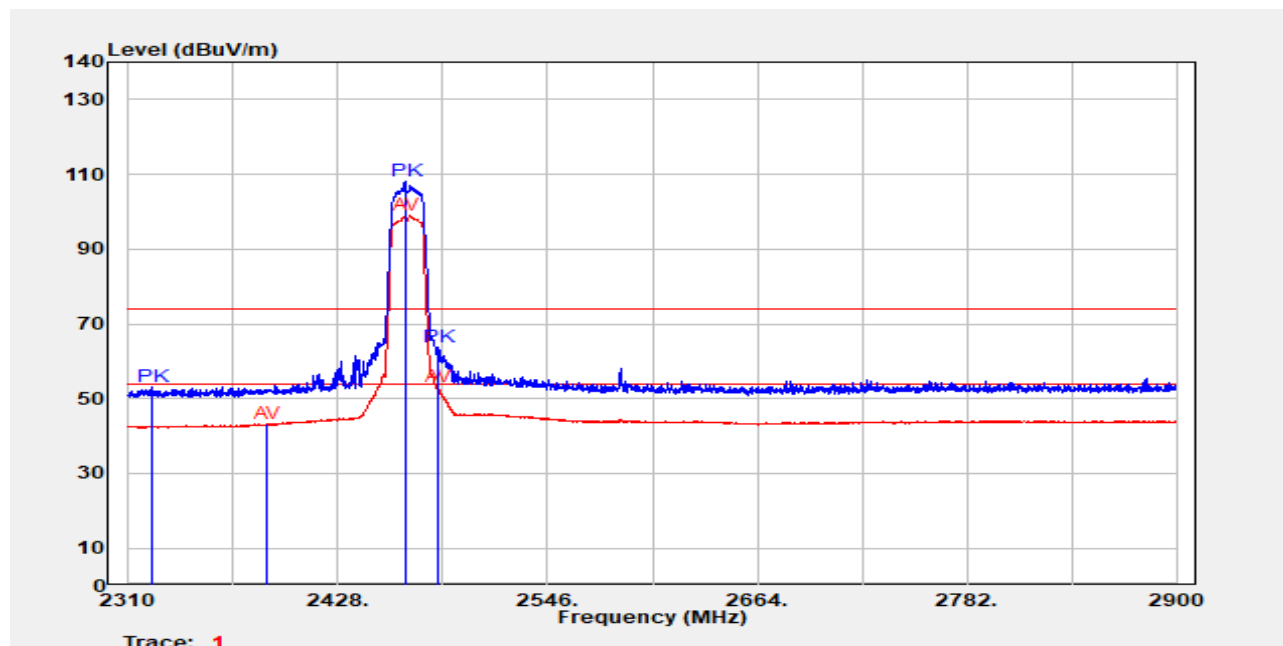
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Report Number :TERF2511003773E2
 Operation Mode :802.11n20
 Test Frequency :2467 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



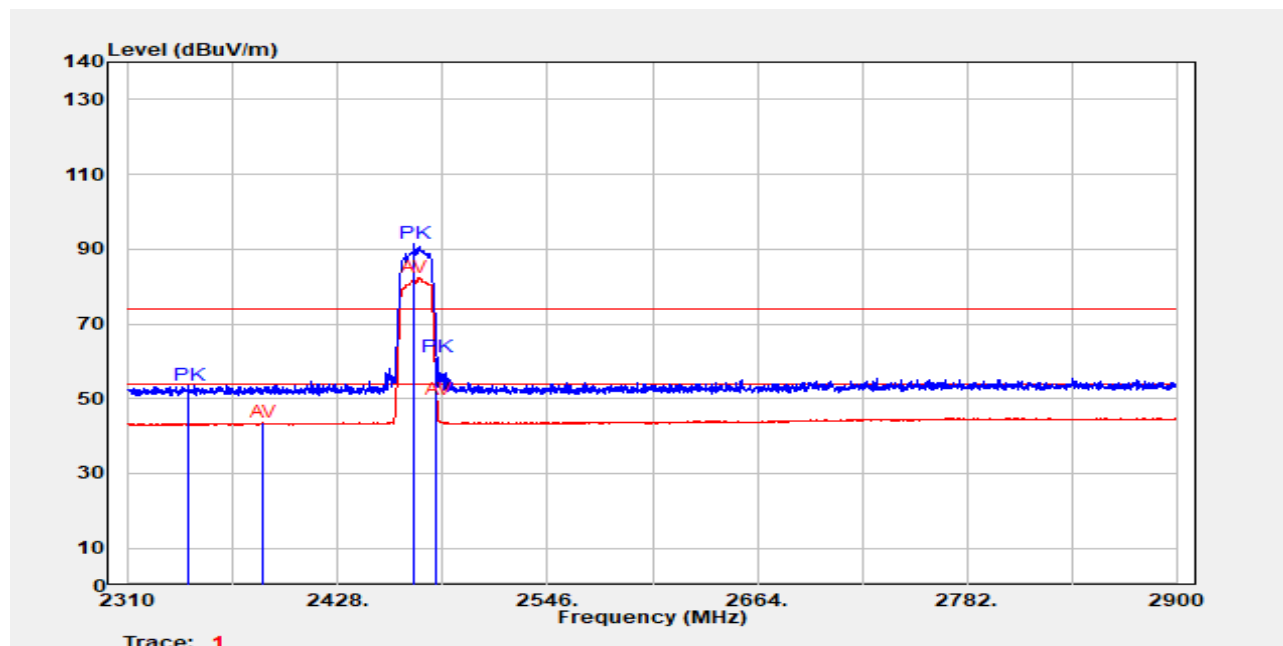
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2322.79	Peak	57.66	-4.43	53.23	74.00	-20.77
2387.32	Average	47.59	-4.39	43.20	54.00	-10.80
2465.62	Peak	112.71	-4.68	108.03	-	-
2465.62	Average	103.60	-4.68	98.92	-	-
2483.72	Average	57.76	-4.69	53.07	54.00	-0.93
2484.70	Peak	68.40	-4.69	63.71	74.00	-10.29

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Report Number :TERF2511003773E2
 Operation Mode :802.11n20
 Test Frequency :2472 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2343.64	Peak	57.96	-4.42	53.54	74.00	-20.46
2385.15	Average	47.84	-4.39	43.45	54.00	-10.55
2470.73	Peak	96.29	-4.68	91.61	-	-
2470.73	Average	86.93	-4.68	82.25	-	-
2483.50	Peak	65.89	-4.69	61.20	74.00	-12.80
2483.50	Average	54.23	-4.69	49.54	54.00	-4.46

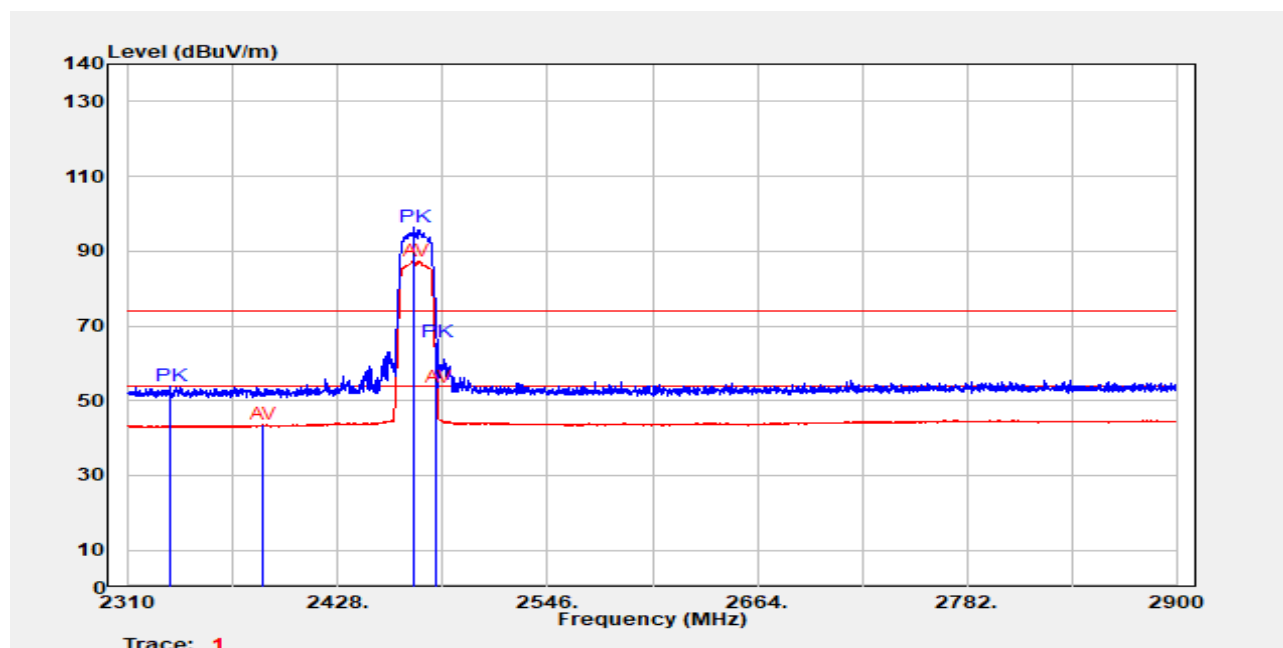
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Report Number :TERF2511003773E2
Operation Mode :802.11n20
Test Frequency :2472 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC 2
Test Date :2025-11-07
Temp./Humi. :23.3°C/58%
Antenna Pol. :Horizontal
Engineer :Bob Chao



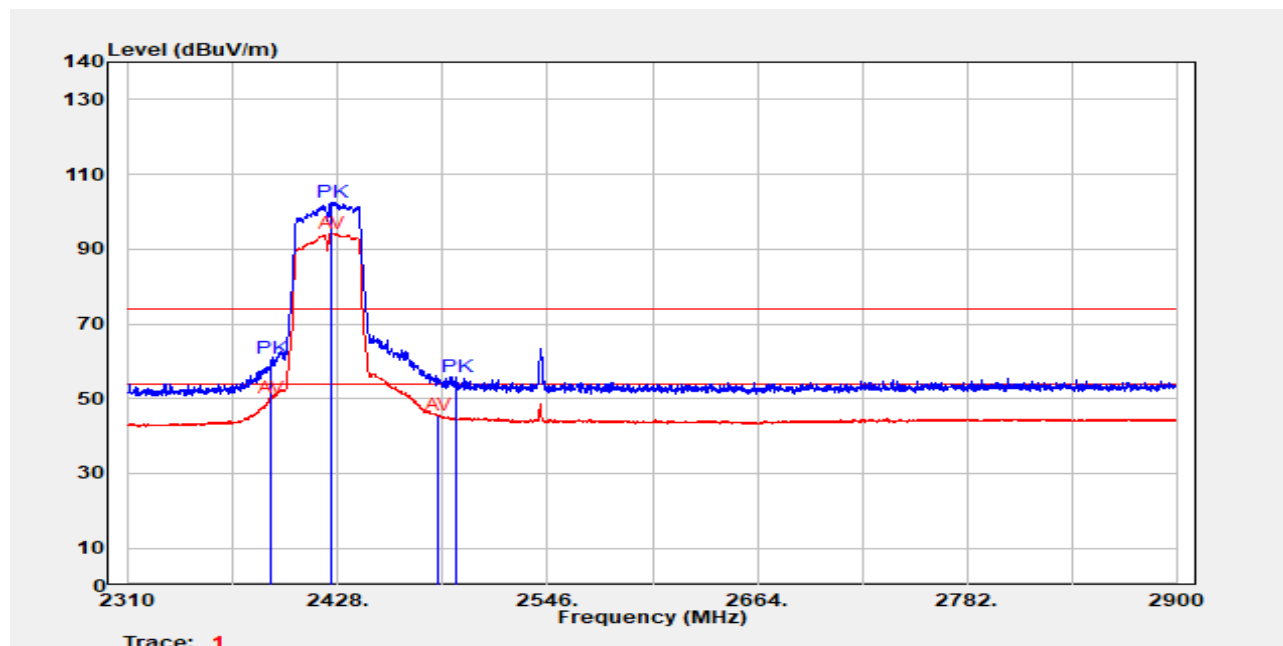
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2333.61	Peak	58.40	-4.42	53.98	74.00	-20.02
2385.15	Average	47.88	-4.39	43.49	54.00	-10.51
2470.93	Peak	101.05	-4.68	96.37	-	-
2470.93	Average	92.13	-4.68	87.45	-	-
2483.50	Peak	70.40	-4.69	65.71	74.00	-8.29
2483.50	Average	58.13	-4.69	53.44	54.00	-0.56

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



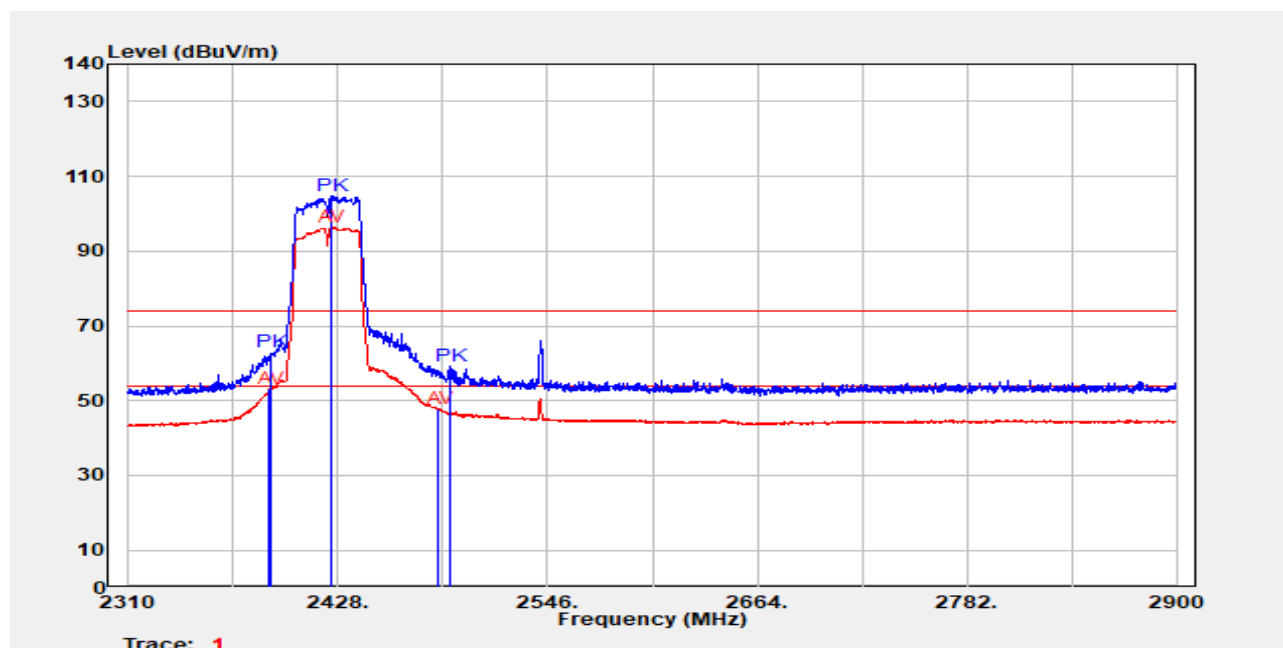
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2389.87	Peak	64.94	-4.40	60.54	74.00	-13.46
2389.87	Average	54.37	-4.40	49.97	54.00	-4.03
2423.71	Peak	107.07	-4.49	102.58	-	-
2423.71	Average	98.67	-4.49	94.18	-	-
2484.11	Average	50.27	-4.69	45.58	54.00	-8.42
2494.34	Peak	60.56	-4.64	55.92	74.00	-18.08

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



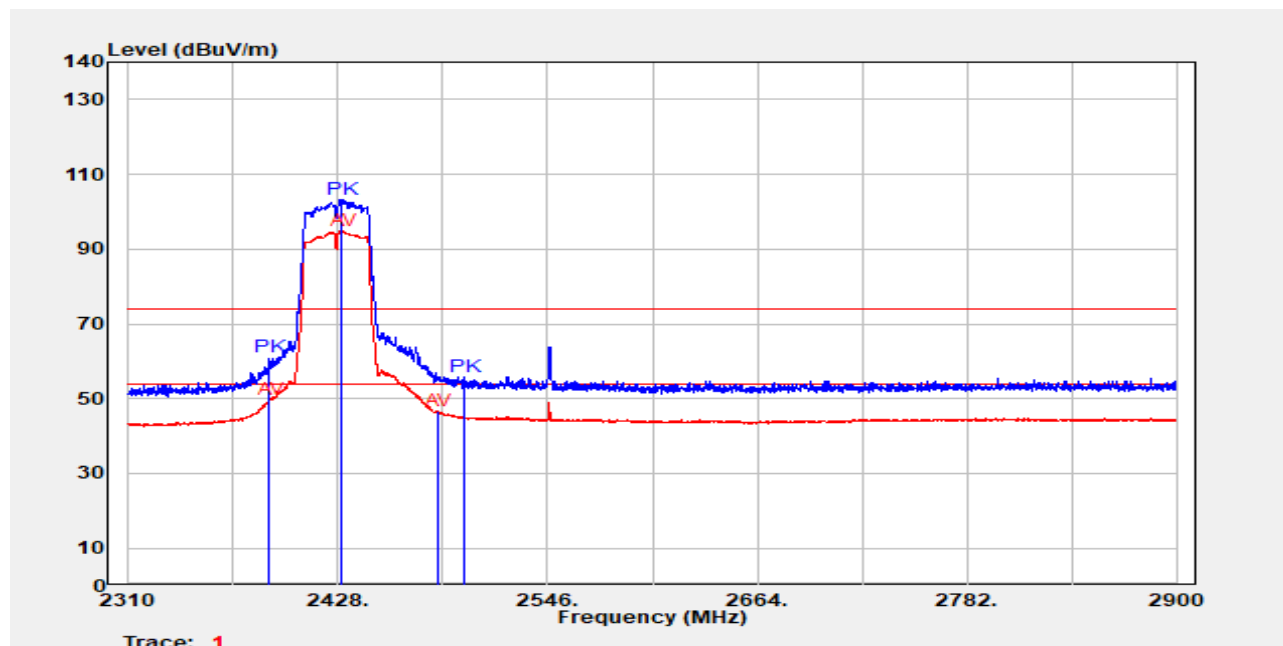
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
2389.50	Average	57.65	-4.40	53.25	54.00	-0.75
2389.87	Peak	67.56	-4.40	63.16	74.00	-10.84
2423.91	Peak	109.10	-4.49	104.61	-	-
2423.91	Average	100.73	-4.49	96.24	-	-
2484.50	Average	52.54	-4.69	47.85	54.00	-6.15
2491.19	Peak	64.00	-4.67	59.33	74.00	-14.67

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2427 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



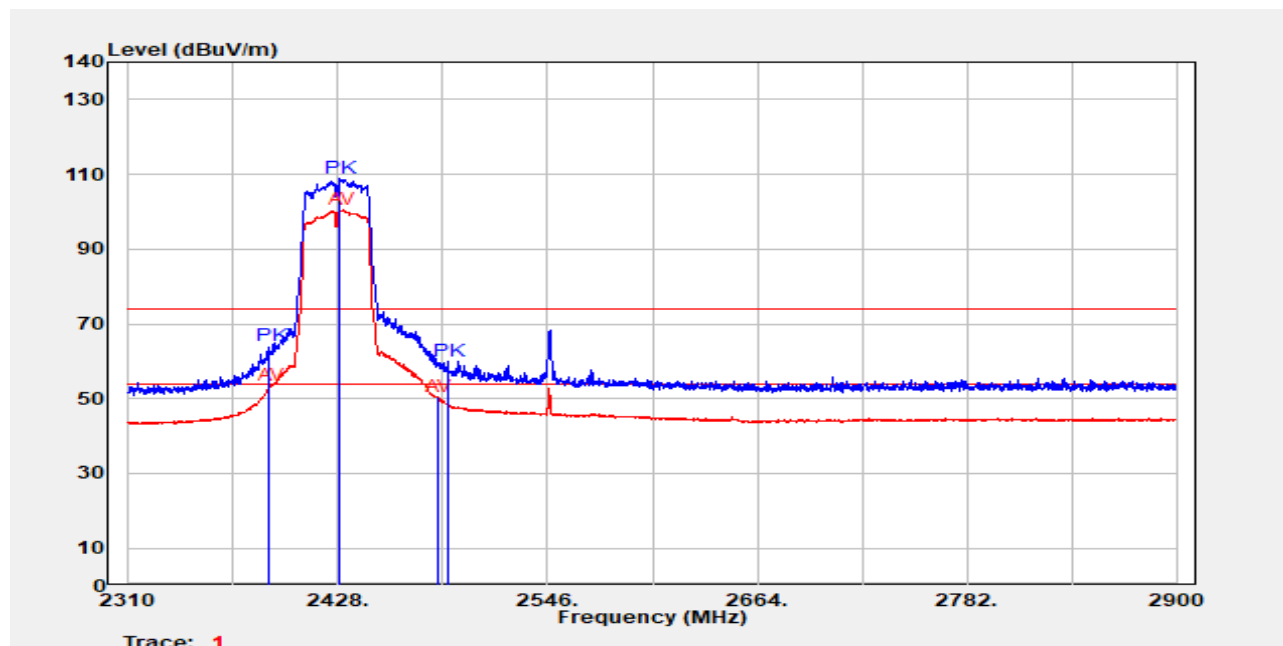
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2388.69	Peak	65.34	-4.40	60.94	74.00	-13.06
2389.48	Average	54.20	-4.40	49.80	54.00	-4.20
2430.20	Peak	107.73	-4.49	103.24	-	-
2430.20	Average	99.31	-4.49	94.82	-	-
2484.11	Average	51.34	-4.69	46.65	54.00	-7.35
2499.06	Peak	60.55	-4.59	55.96	74.00	-18.04

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2427 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



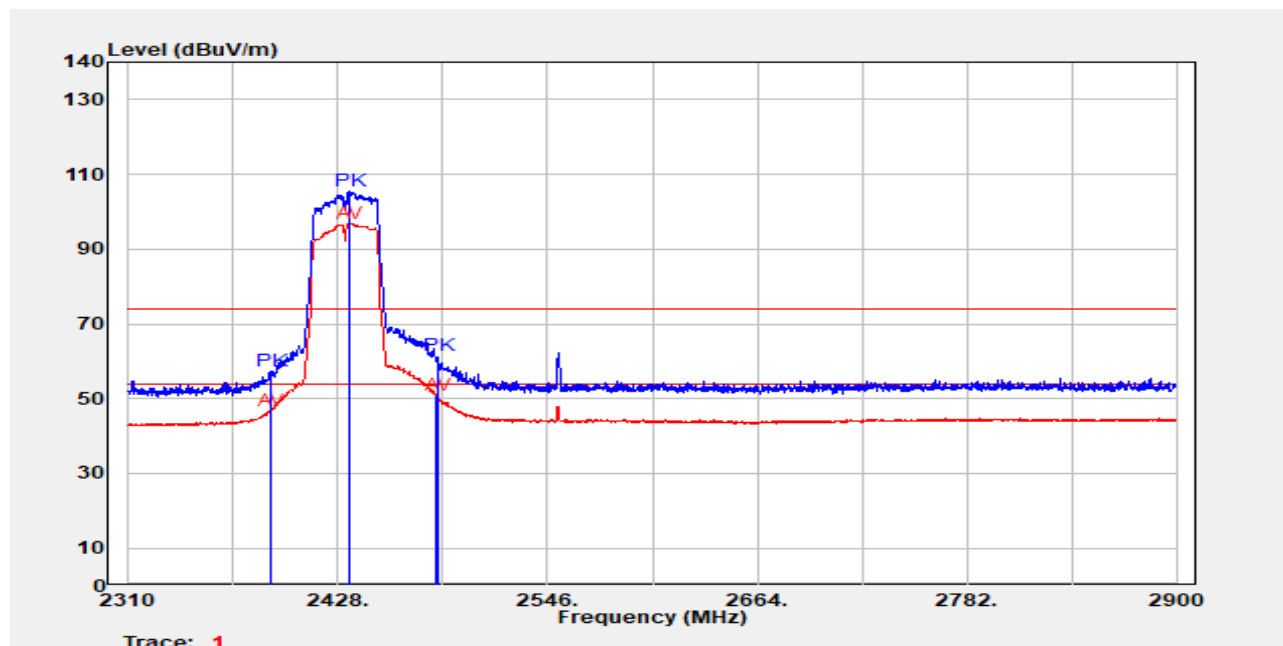
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2389.28	Average	57.75	-4.40	53.35	54.00	-0.65
2389.48	Peak	68.44	-4.40	64.04	74.00	-9.96
2429.02	Peak	113.28	-4.49	108.79	-	-
2429.02	Average	104.91	-4.49	100.42	-	-
2484.31	Average	55.10	-4.69	50.41	54.00	-3.59
2490.21	Peak	64.68	-4.68	60.00	74.00	-14.00

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2432 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



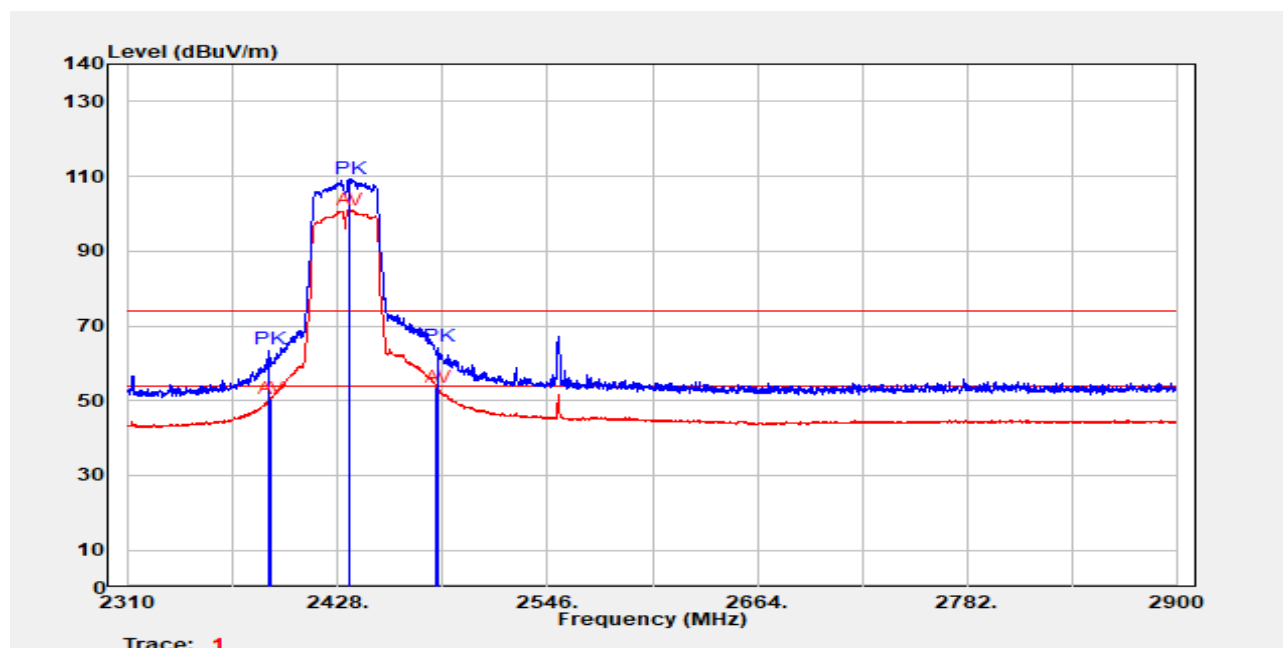
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2389.68	Average	51.15	-4.40	46.75	54.00	-7.25
2389.87	Peak	61.87	-4.40	57.47	74.00	-16.53
2433.94	Peak	109.88	-4.53	105.35	-	-
2433.94	Average	101.42	-4.53	96.89	-	-
2483.50	Average	55.45	-4.69	50.76	54.00	-3.24
2484.70	Peak	66.13	-4.69	61.44	74.00	-12.56

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2432 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



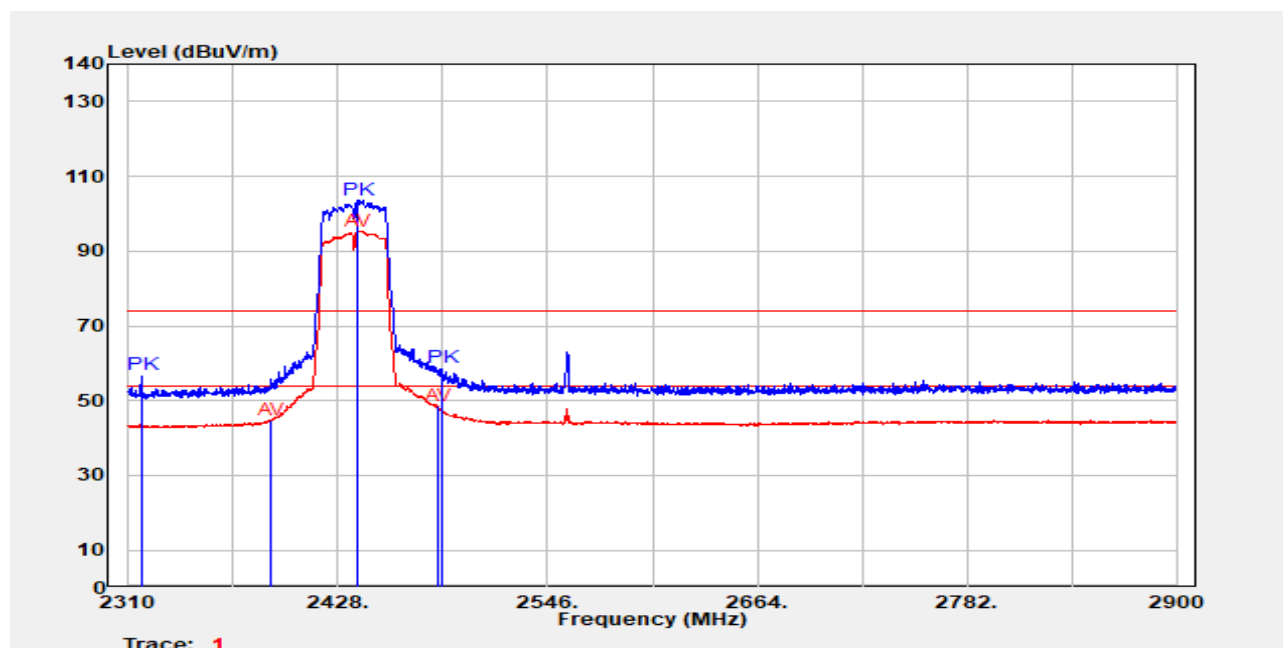
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2389.09	Peak	68.06	-4.40	63.66	74.00	-10.34
2389.87	Average	54.96	-4.40	50.56	54.00	-3.44
2433.75	Peak	113.74	-4.53	109.21	-	-
2433.75	Average	105.35	-4.53	100.82	-	-
2483.50	Average	58.16	-4.69	53.47	54.00	-0.53
2483.72	Peak	69.15	-4.69	64.46	74.00	-9.54

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



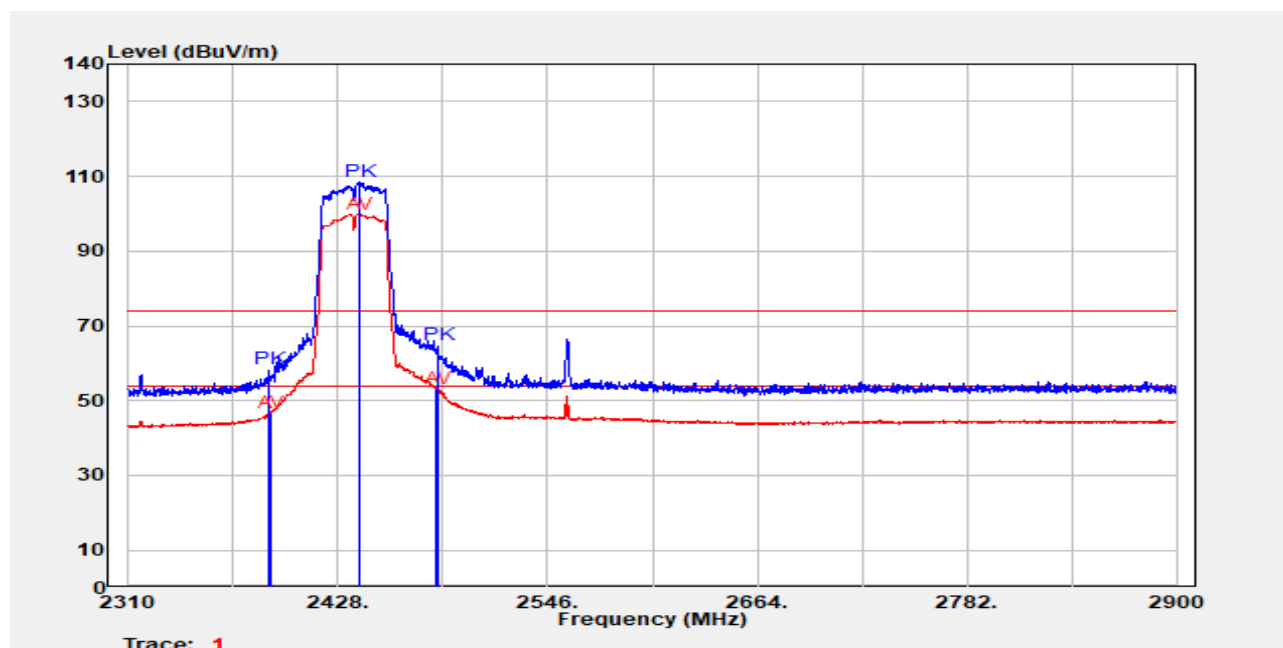
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2317.28	Peak	61.47	-4.40	57.07	74.00	-16.93
2389.87	Average	49.08	-4.40	44.68	54.00	-9.32
2438.66	Peak	108.18	-4.57	103.61	-	-
2438.66	Average	99.85	-4.57	95.28	-	-
2483.72	Average	53.27	-4.69	48.58	54.00	-5.42
2486.08	Peak	63.60	-4.68	58.92	74.00	-15.08

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



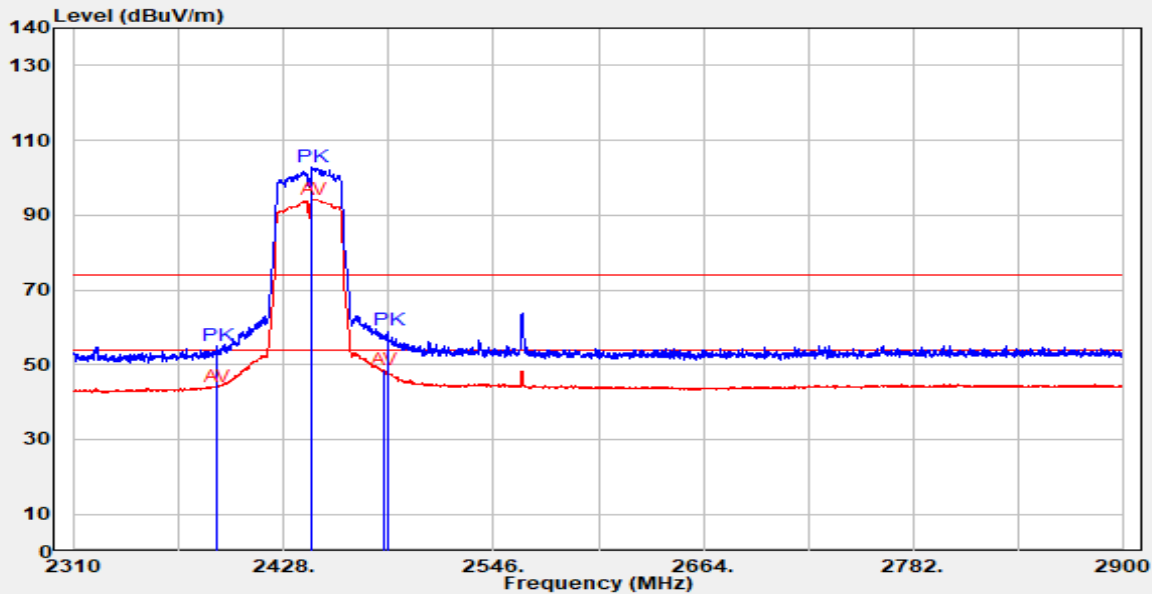
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2389.28	Peak	62.96	-4.40	58.56	74.00	-15.44
2389.68	Average	51.18	-4.40	46.78	54.00	-7.22
2440.04	Peak	112.92	-4.59	108.33	-	-
2440.04	Average	104.54	-4.59	99.95	-	-
2483.50	Average	57.92	-4.69	53.23	54.00	-0.77
2483.72	Peak	69.66	-4.69	64.97	74.00	-9.03

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2442 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



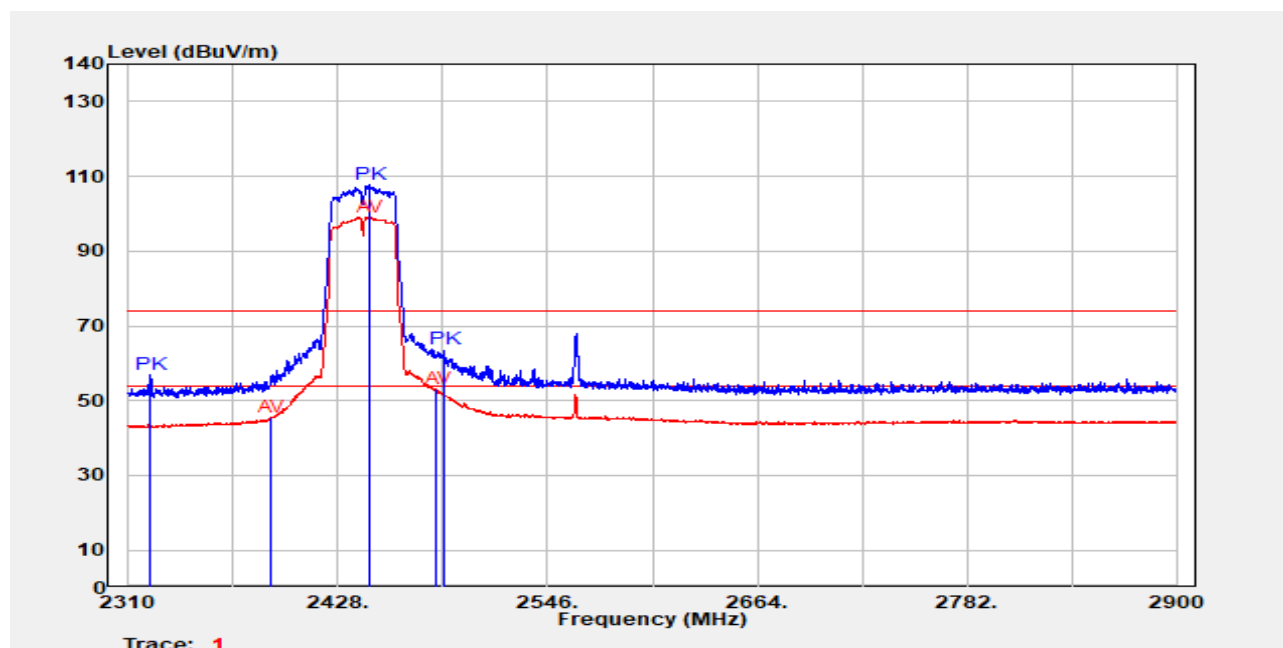
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2389.87	Peak	59.31	-4.40	54.91	74.00	-19.09
2389.87	Average	48.59	-4.40	44.19	54.00	-9.81
2443.78	Peak	107.28	-4.59	102.69	-	-
2443.78	Average	98.79	-4.59	94.20	-	-
2483.72	Average	53.22	-4.69	48.53	54.00	-5.47
2486.47	Peak	64.00	-4.68	59.32	74.00	-14.68

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2442 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



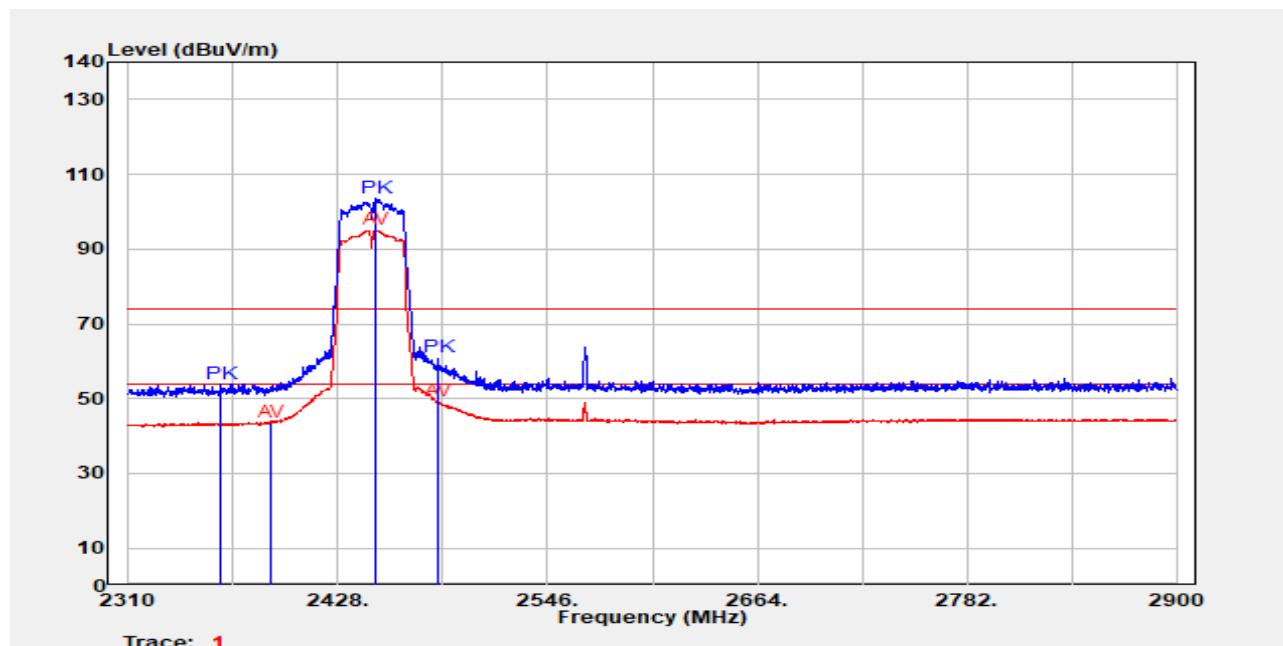
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2322.20	Peak	61.47	-4.43	57.04	74.00	-16.96
2389.87	Average	49.77	-4.40	45.37	54.00	-8.63
2445.55	Peak	112.15	-4.58	107.57	-	-
2445.55	Average	103.63	-4.58	99.05	-	-
2483.50	Average	57.78	-4.69	53.09	54.00	-0.91
2487.06	Peak	68.49	-4.68	63.81	74.00	-10.19

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2447 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2361.74	Peak	58.42	-4.42	54.00	74.00	-20.00
2389.87	Average	48.11	-4.40	43.71	54.00	-10.29
2448.89	Peak	108.01	-4.58	103.43	-	-
2448.89	Average	99.66	-4.58	95.08	-	-
2484.11	Average	54.01	-4.69	49.32	54.00	-4.68
2484.70	Peak	65.78	-4.69	61.09	74.00	-12.91

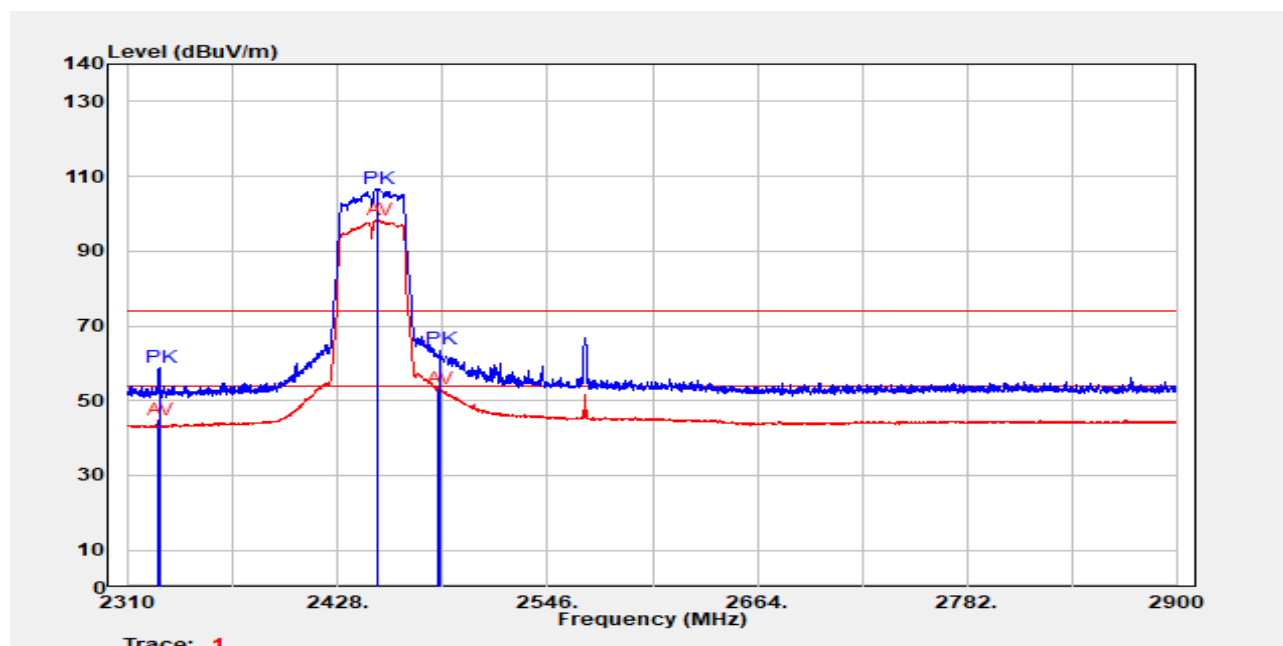
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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2447 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



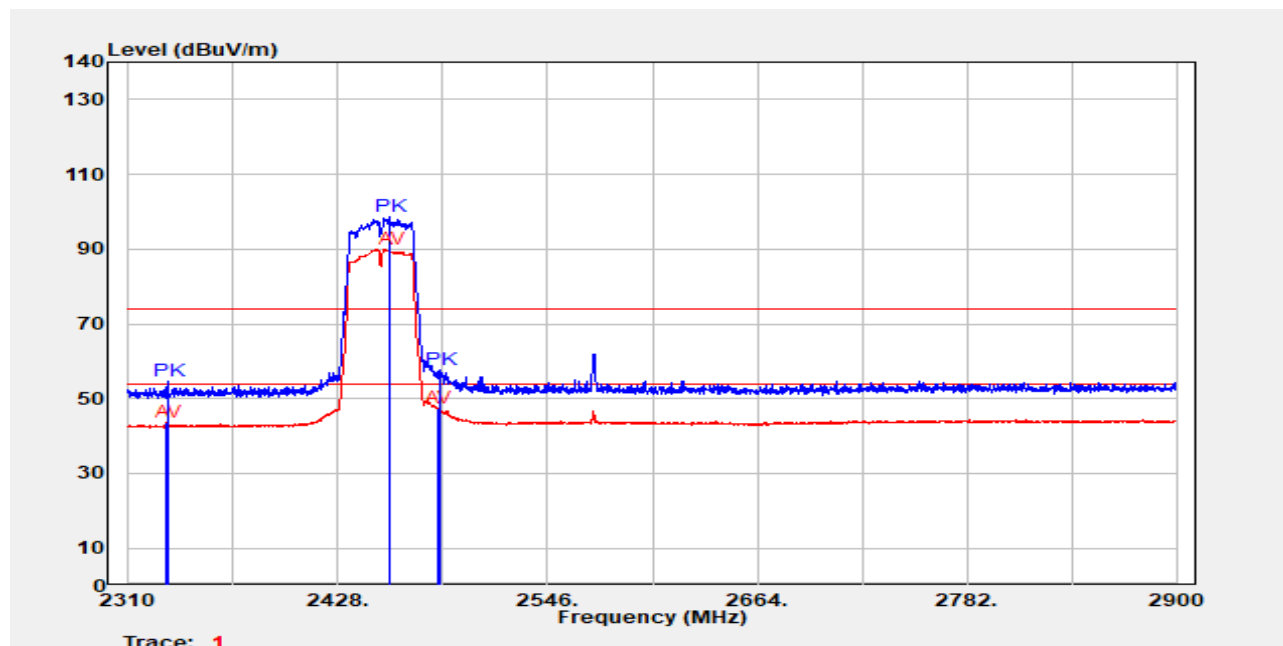
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2327.12	Average	49.30	-4.43	44.87	54.00	-9.13
2327.31	Peak	63.11	-4.43	58.68	74.00	-15.32
2450.47	Peak	111.12	-4.59	106.53	-	-
2450.47	Average	102.94	-4.59	98.35	-	-
2484.70	Average	57.96	-4.69	53.27	54.00	-0.73
2485.09	Peak	68.41	-4.68	63.73	74.00	-10.27

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



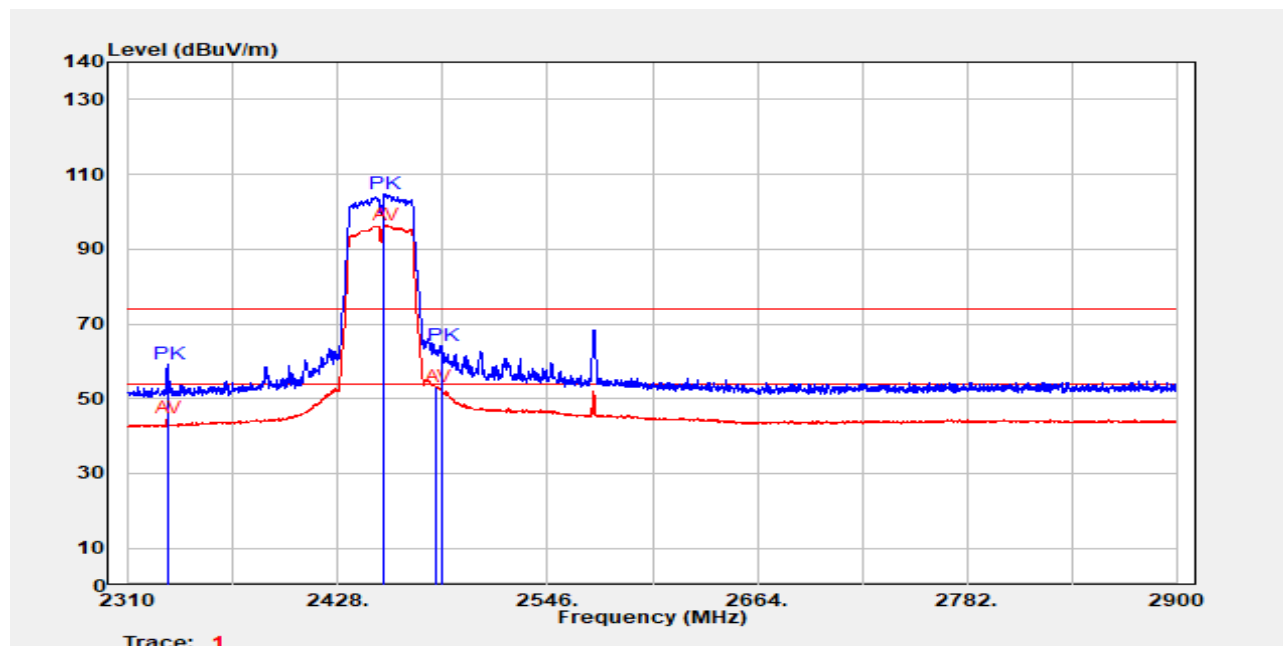
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2331.64	Average	48.09	-4.42	43.67	54.00	-10.33
2332.03	Peak	58.89	-4.42	54.47	74.00	-19.53
2457.35	Peak	103.40	-4.65	98.75	-	-
2457.35	Average	94.54	-4.65	89.89	-	-
2484.31	Average	52.28	-4.69	47.59	54.00	-6.41
2485.68	Peak	62.52	-4.68	57.84	74.00	-16.16

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



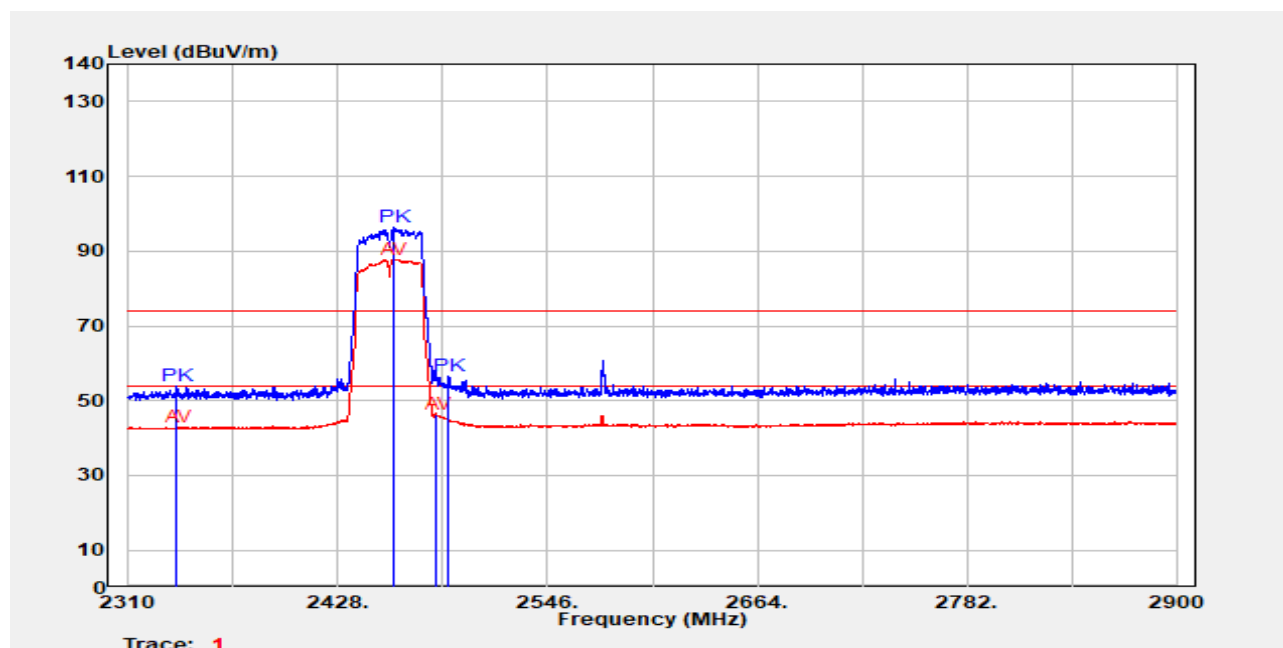
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2332.03	Peak	63.75	-4.42	59.33	74.00	-14.67
2332.03	Average	49.03	-4.42	44.61	54.00	-9.39
2453.81	Peak	109.25	-4.63	104.62	-	-
2453.81	Average	100.82	-4.63	96.19	-	-
2483.50	Average	57.76	-4.69	53.07	54.00	-0.93
2486.27	Peak	68.97	-4.68	64.29	74.00	-9.71

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2457 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



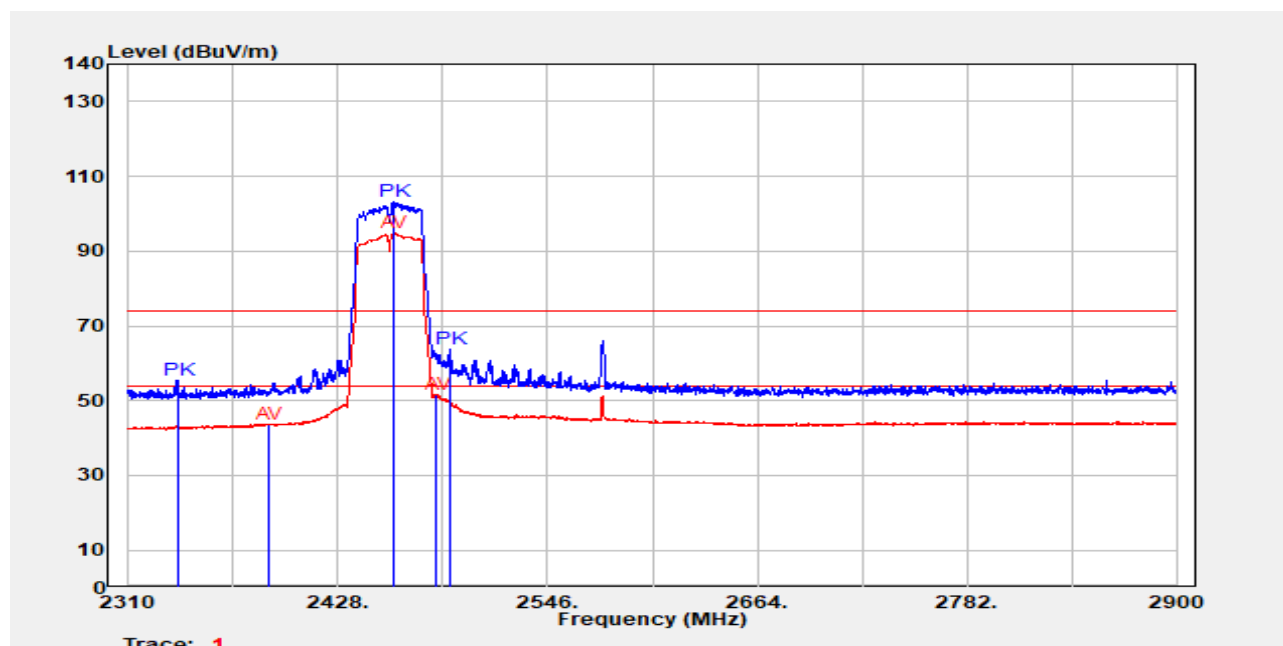
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2336.95	Peak	58.16	-4.42	53.74	74.00	-20.26
2337.15	Average	47.41	-4.42	42.99	54.00	-11.01
2458.73	Peak	101.06	-4.67	96.39	-	-
2458.73	Average	92.41	-4.67	87.74	-	-
2483.50	Average	51.02	-4.69	46.33	54.00	-7.67
2490.21	Peak	61.32	-4.68	56.64	74.00	-17.36

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2457 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



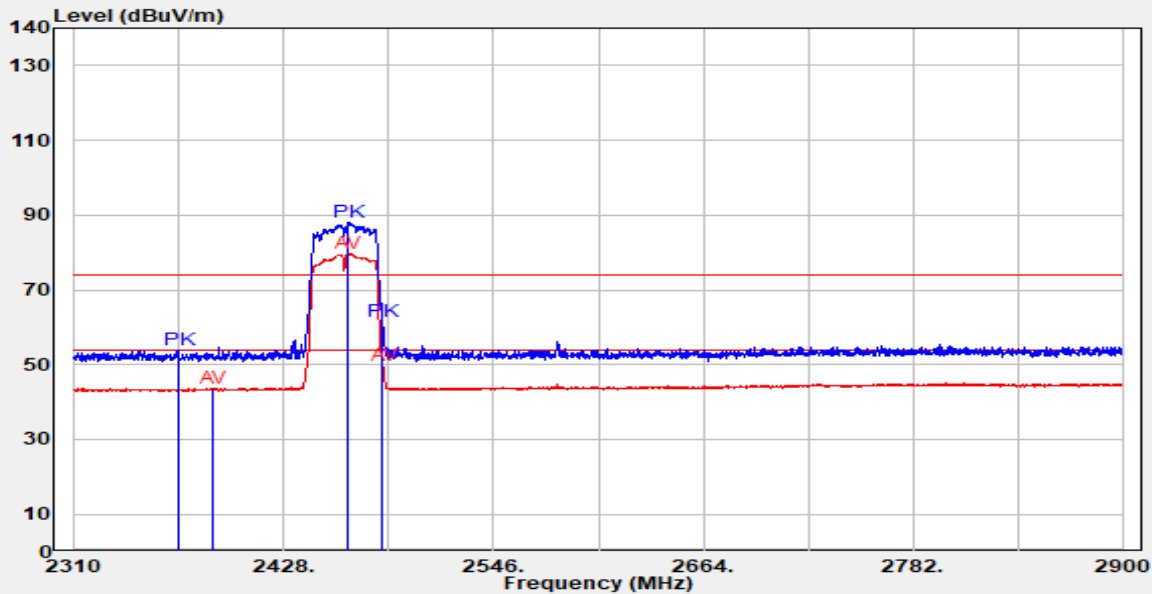
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2337.35	Peak	59.96	-4.42	55.54	74.00	-18.46
2388.69	Average	48.11	-4.40	43.71	54.00	-10.29
2458.73	Peak	107.83	-4.67	103.16	-	-
2458.73	Average	99.39	-4.67	94.72	-	-
2483.50	Average	56.42	-4.69	51.73	54.00	-2.27
2490.80	Peak	68.32	-4.67	63.65	74.00	-10.35

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Vertical
 Engineer :Bob Chao



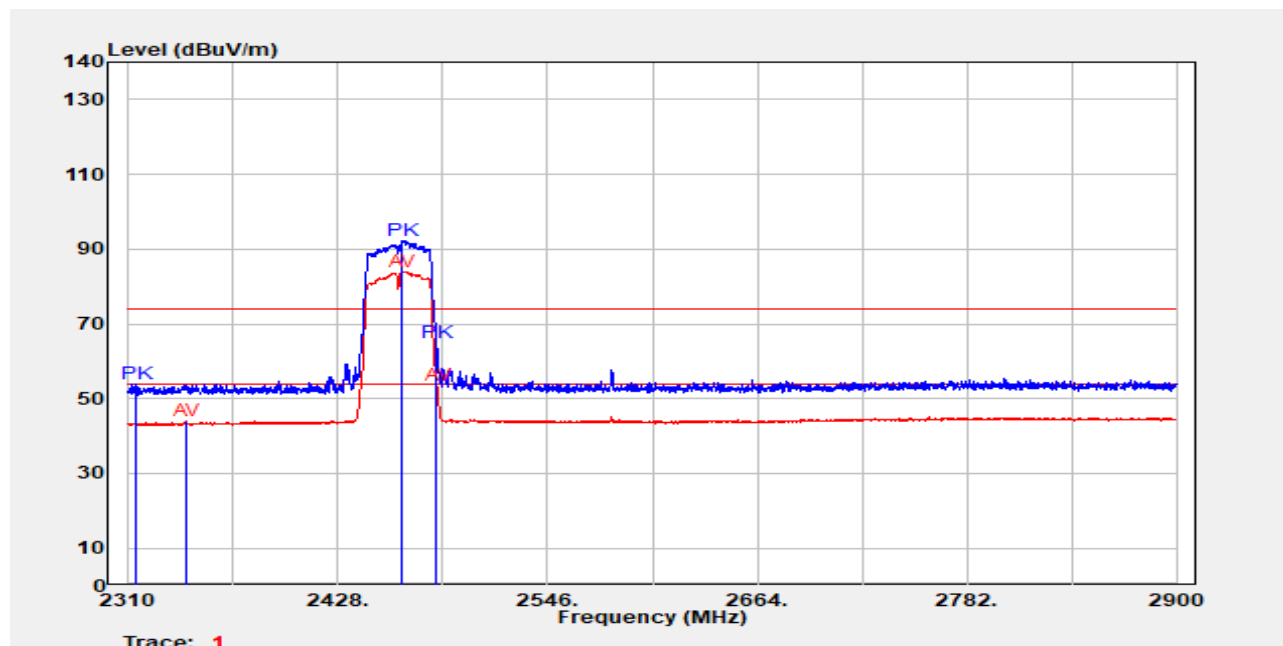
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2368.04	Peak	58.41	-4.49	53.92	74.00	-20.08
2387.91	Average	47.98	-4.40	43.58	54.00	-10.42
2463.85	Peak	92.67	-4.69	87.98	-	-
2463.85	Average	84.29	-4.69	79.60	-	-
2483.50	Peak	66.29	-4.69	61.60	74.00	-12.40
2483.50	Average	54.25	-4.69	49.56	54.00	-4.44

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Report Number :TERF2511003773E2
 Operation Mode :802.11n40
 Test Frequency :2462 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2314.13	Peak	58.41	-4.38	54.03	74.00	-19.97
2341.87	Average	48.30	-4.42	43.88	54.00	-10.12
2463.85	Peak	97.00	-4.69	92.31	-	-
2463.85	Average	88.67	-4.69	83.98	-	-
2483.50	Peak	69.73	-4.69	65.04	74.00	-8.96
2483.50	Average	58.05	-4.69	53.36	54.00	-0.64

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7.3.2 Spurious Emission

Model: ABX00162 (PCB ver.SGD)

Report Number :TERF2511003773E2

Operation Mode :802.11b

Test Frequency :2437 MHz

Test Mode :Tx

EUT Pol :E2 Plane

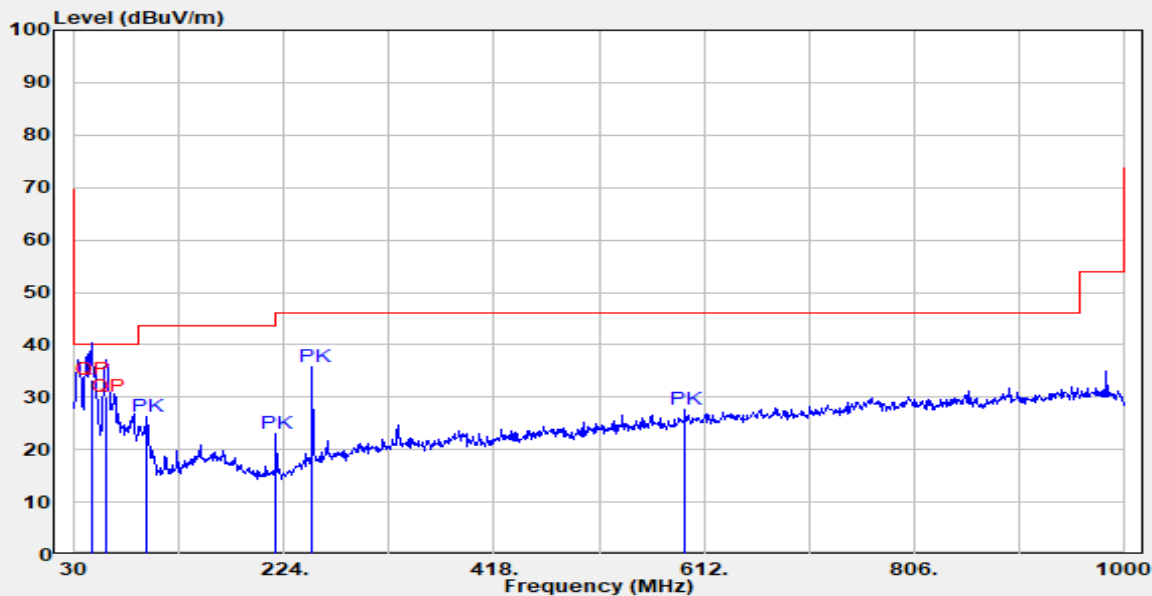
Test Site :SAC 2

Test Date :2025-11-10

Temp./Humi. :25.1°C/61%

Antenna Pol. :Vertical

Engineer :Bob Chao



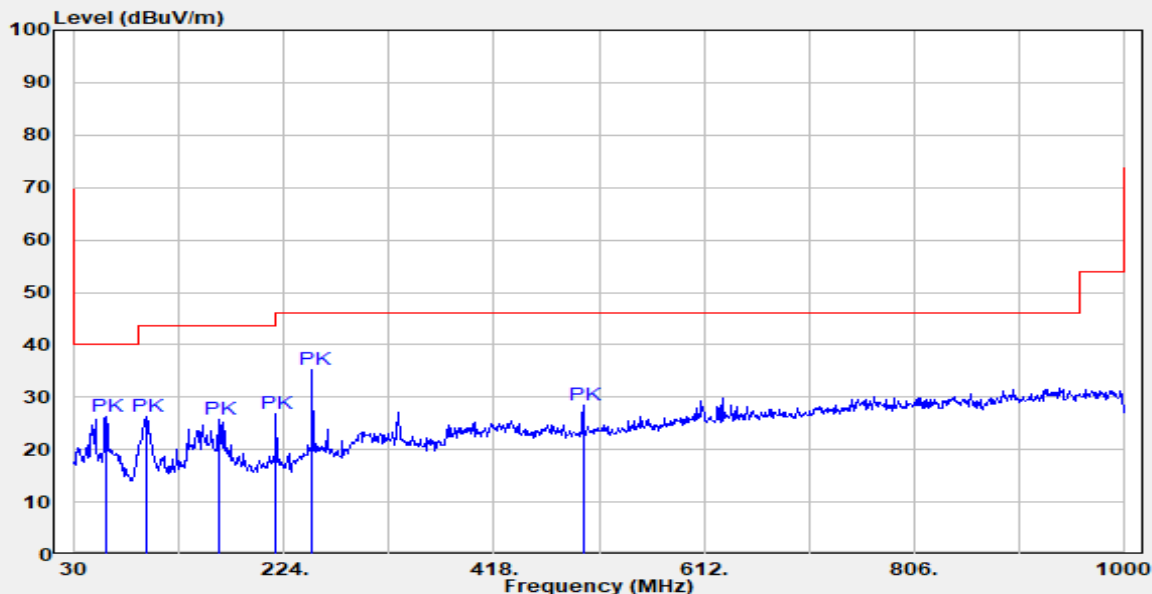
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
45.52	QP	45.89	-12.57	33.32	40.00	-6.68
59.10	QP	43.02	-13.04	29.98	40.00	-10.02
96.93	Peak	43.96	-17.79	26.17	43.50	-17.33
216.24	Peak	38.57	-15.64	22.93	46.00	-23.07
250.19	Peak	49.66	-13.77	35.89	46.00	-10.11
594.54	Peak	32.48	-4.84	27.64	46.00	-18.36

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Report Number :TERF2511003773E2
 Operation Mode :802.11b
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-10
 Temp./Humi. :25.1°C/61%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



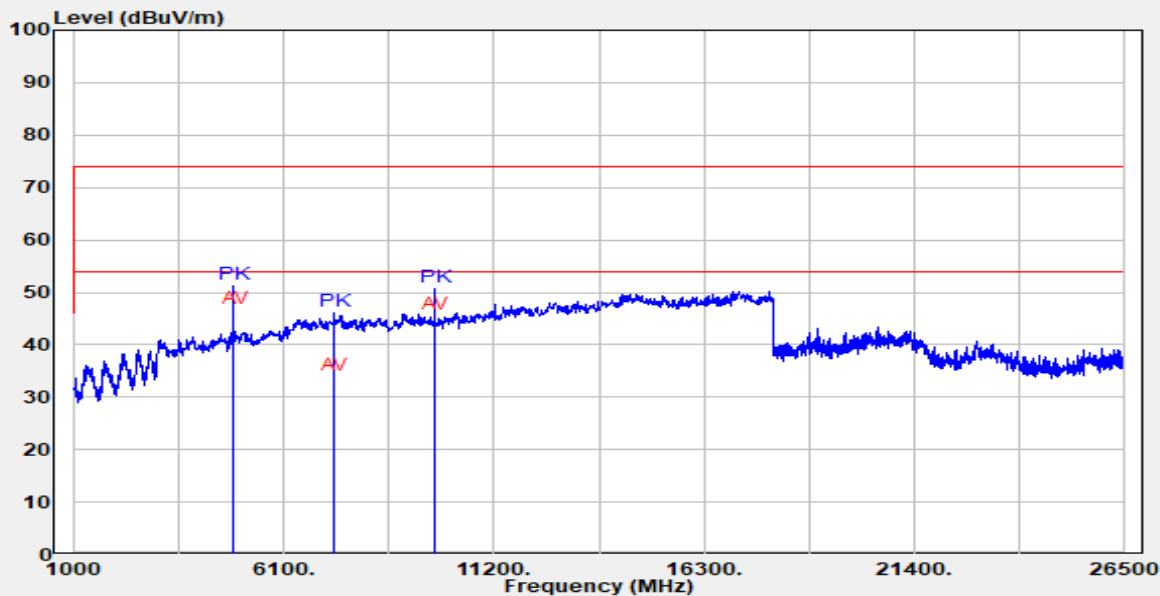
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
59.10	Peak	39.28	-13.04	26.24	40.00	-13.76
95.96	Peak	44.20	-17.99	26.21	43.50	-17.29
163.86	Peak	38.38	-12.65	25.73	43.50	-17.77
216.24	Peak	42.56	-15.64	26.92	46.00	-19.08
250.19	Peak	49.03	-13.77	35.26	46.00	-10.74
500.45	Peak	35.55	-7.09	28.46	46.00	-17.54

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Report Number :TERF2511003773E2
Operation Mode :802.11b
Test Frequency :2437 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC 2
Test Date :2025-11-07
Temp./Humi. :23.3°C/58%
Antenna Pol. :Vertical
Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4874.00	Peak	49.37	2.10	51.47	74.00	-22.53
4874.00	Average	44.84	2.10	46.94	54.00	-7.06
7311.00	Peak	39.32	7.03	46.35	74.00	-27.65
7311.00	Average	27.16	7.03	34.19	54.00	-19.81
9748.00	Peak	44.27	6.76	51.03	74.00	-22.97
9748.00	Average	39.15	6.76	45.91	54.00	-8.09

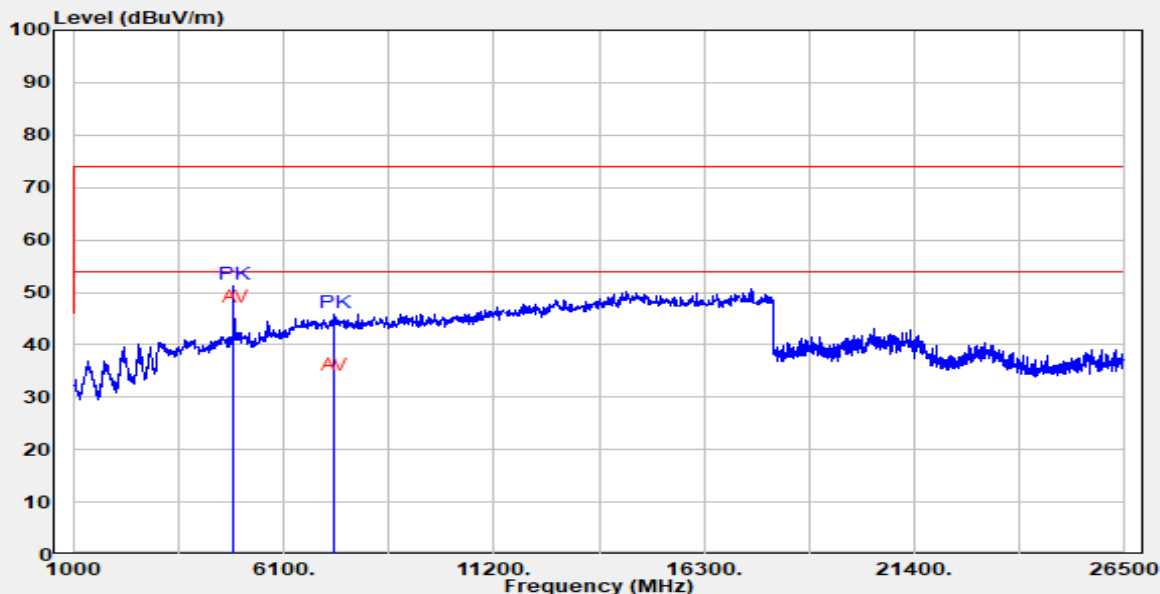
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Report Number :TERF2511003773E2
 Operation Mode :802.11b
 Test Frequency :2437 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC 2
 Test Date :2025-11-07
 Temp./Humi. :23.3°C/58%
 Antenna Pol. :Horizontal
 Engineer :Bob Chao



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
4874.00	Peak	49.30	2.10	51.40	74.00	-22.60
4874.00	Average	45.07	2.10	47.17	54.00	-6.83
7311.00	Peak	39.11	7.03	46.14	74.00	-27.86
7311.00	Average	27.14	7.03	34.17	54.00	-19.83

~ End of Report ~

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