ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

Applicant:	Fukuda Denshi Co Ltd 3-39-4Hongo, Bunkyo-ku, Tokyo, 113-8483, Japan
Manufacturer:	Fukuda Denshi Co Ltd 3-39-4Hongo, Bunkyo-ku, Tokyo, 113-8483, Japan
EUT Description:	Host-based module with Wi-Fi and Bluetooth 5.0
Brand Name:	ublox
Model No.	JODY-W263-00B
Host Model:	DS-X1F
Family Host Model:	DS-X1M, DS-X1N
Report Number:	TERF2508002642ER
FCC ID	DV8DSX1
Date of EUT Received:	August 15, 2025
Date of Test:	August 15, 2025 ~ September 16, 2025
Issue Date:	October 3, 2025

Approved By CHUN-CHIEH CHEN

Chun Chieh Chen

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2020 and the energy emitted by the sample EUT comply with FCC rule part §15.247.

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
TERF2508002642ER	00	Class II permissive change	October 3, 2025	Karen Huang	

Note:

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

2、 Variant information of host 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	Wireless module installed in DS-X Series ECG, Respiration and SpO2 Transmitter
Brand Name	ublox
Model No.	JODY-W263-00B
Host Model	DS-X1F
Family Host Model	DS-X1M, DS-X1N
Host Model Difference	Difference is only SPO2(saturation of percutaneous oxygen) module. All other things are common and same.
Hardware Version	N/A
Firmware Version	N/A
Power Supply	3.8 Vdc
Test Software (Name/Version)	DutApiSisoACDualif.exe_1.0.0.164

1.2 RF Specification

WLAN 2.4GHz

Mode	Frequency Range	Channels	Rated Power (dBm)		Modulation Technology
			Peak	Avg.	
802.11b	2412~2462	11	11.50	8.93	DSSS
802.11g	2412~2462	11	15.00	5.37	OFDM
802.11n_HT20	2412~2462	11	15.30	5.66	OFDM
802.11n_HT40	2422~2452	7	10.44	0.62	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

Antenna Type	Freq. (MHz)	Peak Antenna Gain(dBi)
Printed Antenna	2400 – 2483.5	-0.1

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 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		
9	2452		
10	2457		
11	2462		

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1.5 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 11	1,6,11	DSSS	1	Ch0
802.11g	1 to 11	1,6,11	OFDM	6	Ch0
802.11n_HT20	1 to 11	1,6,11	OFDM	MCS0	Ch0
802.11n_HT40	3 to 9	3,6,9	OFDM	MCS0	Ch1

TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz)					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11g	1 to 11	6	OFDM	6	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 11	1,6,11	DSSS	1	Ch0
802.11g	1 to 11	1,6,11	OFDM	6	Ch0
802.11n20	1 to 11	1,6,11	OFDM	MCS0	Ch0
802.11n40	3 to 9	3,6,9	OFDM	MCS0	Ch0

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2 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§15.247(b) (3)	Peak Output Power	Compliant
§15.205 §15.209 §15.247(d)	Unwanted Emission	Compliant

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. ANSI C63.10:2020

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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 Designa-tion 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

Test Condition	Test Site name	Test Engineer	Test Environment (T&H)	Test Date
Conducted	Conducted 1	Teddy_Lu	21-22°C / 51-71%	2025/08/23 ~ 2025/08/28

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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 ma-nipulate 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 at-tenuation 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

Conducted Setup	Radiated Setup

3.3 List

3.3.1 Conducted Setup

Conducted Emission Test Site: Conducted 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

3.3.2 Radiated Setup

N/A

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4 TEST INSTRUMENT

4.1 Conducted Measurement

Conducted Emission Test Site: Conducted 2					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Attenuator	Mini-Circuits	BW-S10W2+	6	12/11/2024	12/10/2025
DC Block	Titan	T0610A00127A	SNK47008	12/11/2024	12/10/2025
MXA Spectrum Analyzer	KEYSIGHT	N9021B	MY62242004	06/11/2025	06/10/2026
Power Meter	Anritsu	ML2496A	1242004	10/23/2024	10/22/2025
Power Sensor	Anritsu	MA2411B	1207365	10/23/2024	10/22/2025
Power Sensor	Anritsu	MA2411B	1207368	10/23/2024	10/22/2025

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
Attenuator	Mini-Circuits	BW-S10W2+	23	12/11/2024	12/10/2025
Band Reject Filter 2400-2483.5	Titan	T04N2400248350S01	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	MY60242392	12/24/2024	12/23/2025
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	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 form 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.

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 aver-aging over a time interval, as permitted under section 8, 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 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.

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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

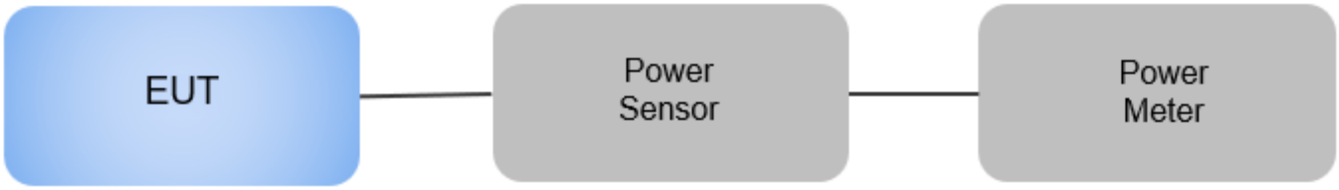
6.1.1 Duty Cycler

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.

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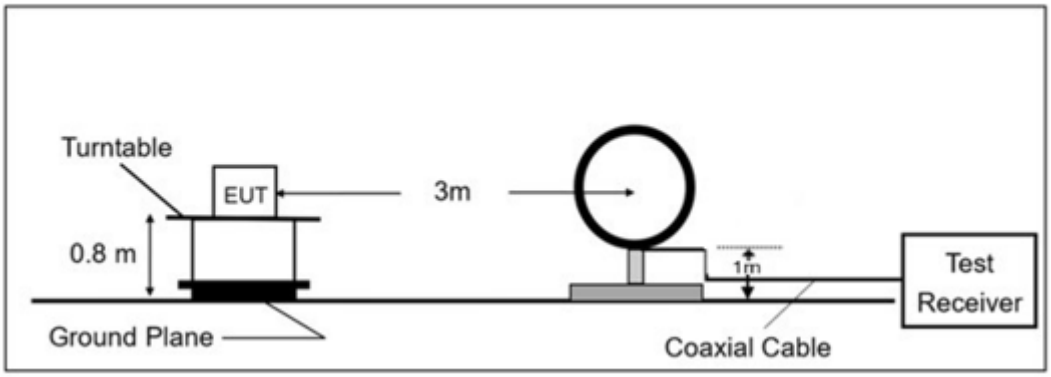
Note: The duty cycle factor is compensated to obtain the maximum value of measurement in average.

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

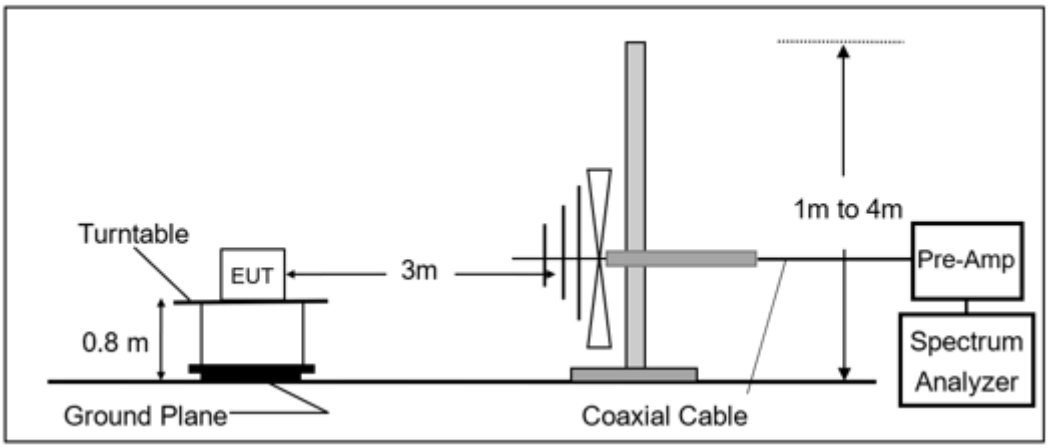
6.2 Unwanted Emissions

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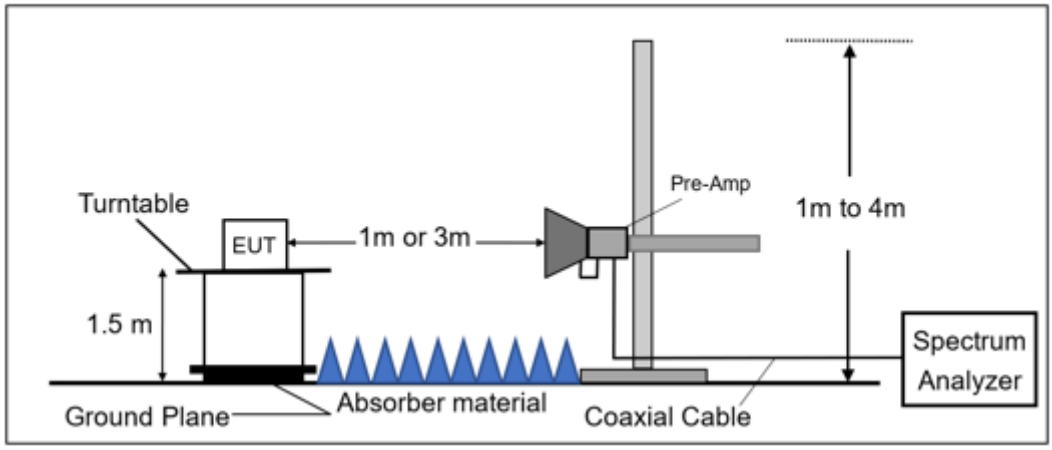
Radiated Emission Test Set-Up, Frequency Above 1GHz.



Radiated emissions below 30 MHz were measured in a 9 m × 6 m × 6 m semi-anechoic chamber. The measurement results are equivalent to those obtained at an open-area test site (OATS).

A comparison between data measured at the open-area test site and the semi-anechoic chamber shows very similar results.

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. The spectrum analyzer was set with RBW = 100 kHz and VBW = 300 kHz, using a Peak detector for frequencies between 30 MHz and 1 GHz.
6. A receiver mode with RBW = 120 kHz was used for Quasi-Peak (QP) measurements between 30 MHz and 1 GHz.
7. For frequencies above 1 GHz, the spectrum analyzer was set with RBW = 1 MHz, VBW = 3 MHz, and Detector = Peak for maximum emission measurements.
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 ≥ 98%. If a specific emission is demonstrated to be continuous (D ≥ 98%) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is re-quired for that emission, where D is the duty cycle.
9. Set the spectrum analyzer as RBW=1 MHz, VBW ≥ 1/T, Detector= Peak when D < 98% for Average Emission Measurements at frequency above 1 GHz.

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10. 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.
11. The six highest emissions were fully maximized using the above procedures to ensure EUT compliance.
12. Each emission was further maximized by changing the receiving antenna polarization between horizontal and vertical.
13. 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.

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 (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 × $\log_{10}$ (µV/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	99.20	0.03	0.05	0.01
802.11g	96.57	0.15	0.32	1.00
802.11n_20	97.95	0.09	0.21	1.00
802.11n_40	95.06	0.22	0.43	1.00

7.1.1 Duty Cycle test plots

WLAN_802.11b_20MHz_Chain0_2412MHz

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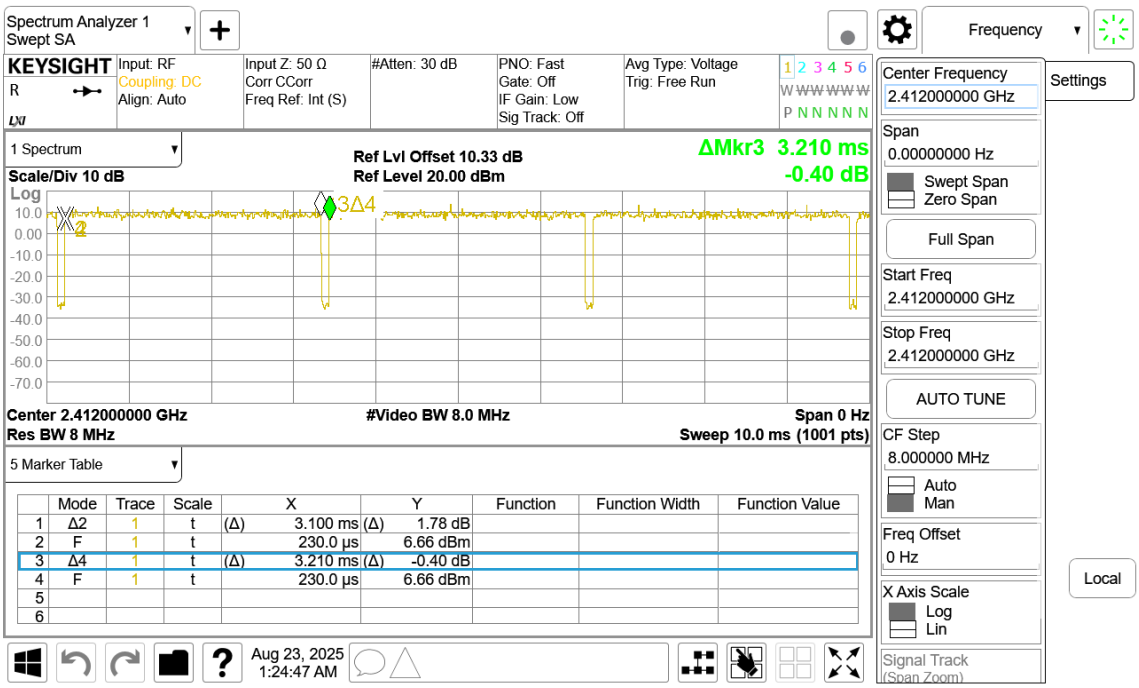
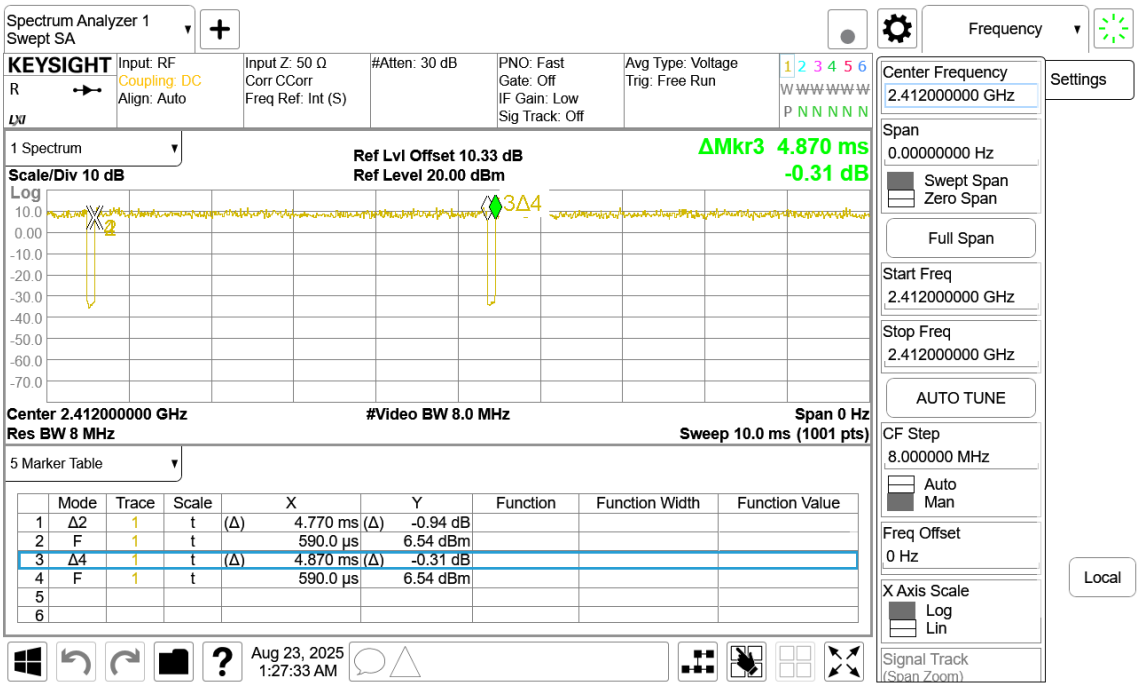
WLAN_ 802.11g_20MHz_Chain0_2412MHz



WLAN_802.11n_20MHz _Chain0_2412MHz



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WLAN_ 802.11n_40MHz_Chain0_2422MHz

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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	12	11.22	10.50	30.00	PASS
6	2437	1	13	12.53	10.98	30.00	PASS
11	2462	1	14	14.13	**11.50**	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	12	6.32	8.00	30.00	PASS
6	2437	1	13	7.12	8.52	30.00	PASS
11	2462	1	14	7.83	**8.93**	30.00	PASS
802.11g Ch0							
CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	6	4	9.57	9.81	30.00	PASS
6	2437	6	10	31.62	**15.00**	30.00	PASS
11	2462	6	6	12.13	10.84	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	4	1.05	0.23	30.00	PASS
6	2437	6	10	3.44	**5.37**	30.00	PASS
11	2462	6	6	1.25	0.97	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	4	10.23	10.10	30.00	PASS
6	2437	MCS0	10	33.88	**15.30**	30.00	PASS
11	2462	MCS0	6	12.85	11.09	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	4	1.12	0.51	30.00	PASS
6	2437	MCS0	10	3.68	**5.66**	30.00	PASS
11	2462	MCS0	6	1.35	1.29	30.00	PASS
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	1	4.99	6.98	30.00	PASS
6	2437	MCS0	5	11.07	**10.44**	30.00	PASS
9	2452	MCS0	4	8.41	9.25	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	1	0.51	-2.95	30.00	PASS
6	2437	MCS0	5	1.15	**0.62**	30.00	PASS
9	2452	MCS0	4	0.86	-0.66	30.00	PASS

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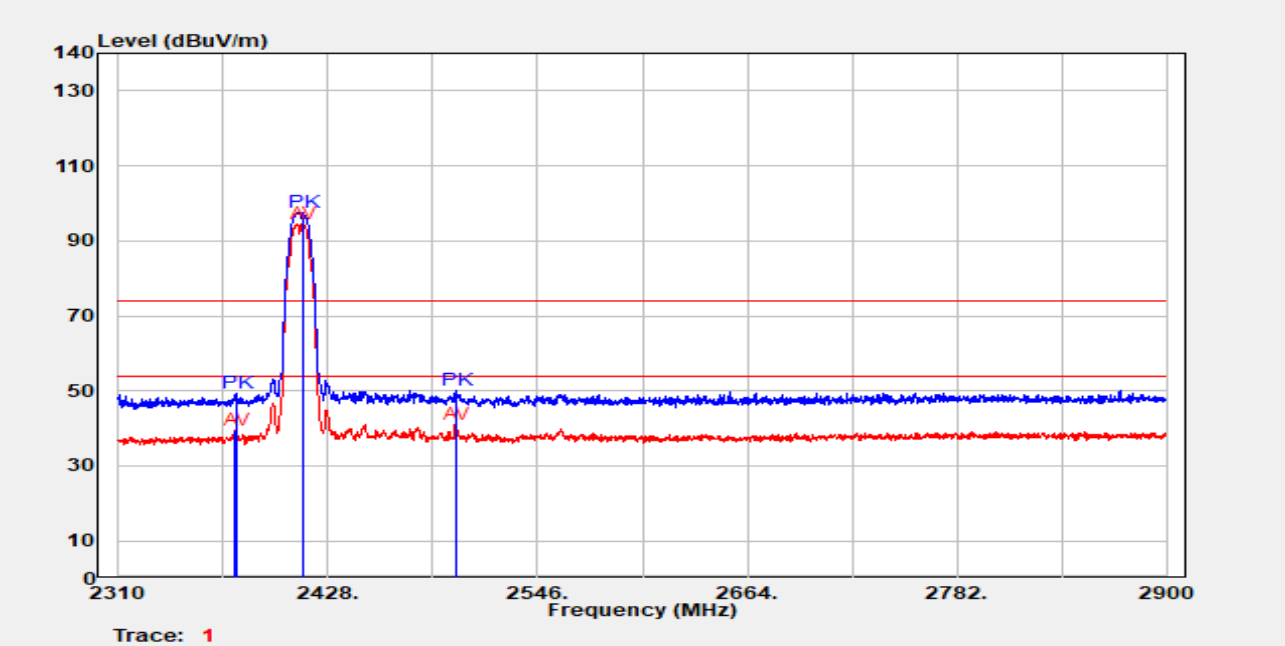
7.3 Unwanted Emissions

7.3.1 Radiated Band Edge Measurement Result

Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11b	Test Date	:2025-09-15
Test Frequency	:2412 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2375.71	Average	43.99	-4.44	39.55	54.00	-14.45
2376.50	Peak	53.66	-4.44	49.22	74.00	-24.78
2413.48	Peak	102.12	-4.49	97.63	-	-
2413.48	Average	99.04	-4.49	94.55	-	-
2499.65	Average	45.68	-4.58	41.10	54.00	-12.90
2500.04	Peak	54.78	-4.58	50.20	74.00	-23.80

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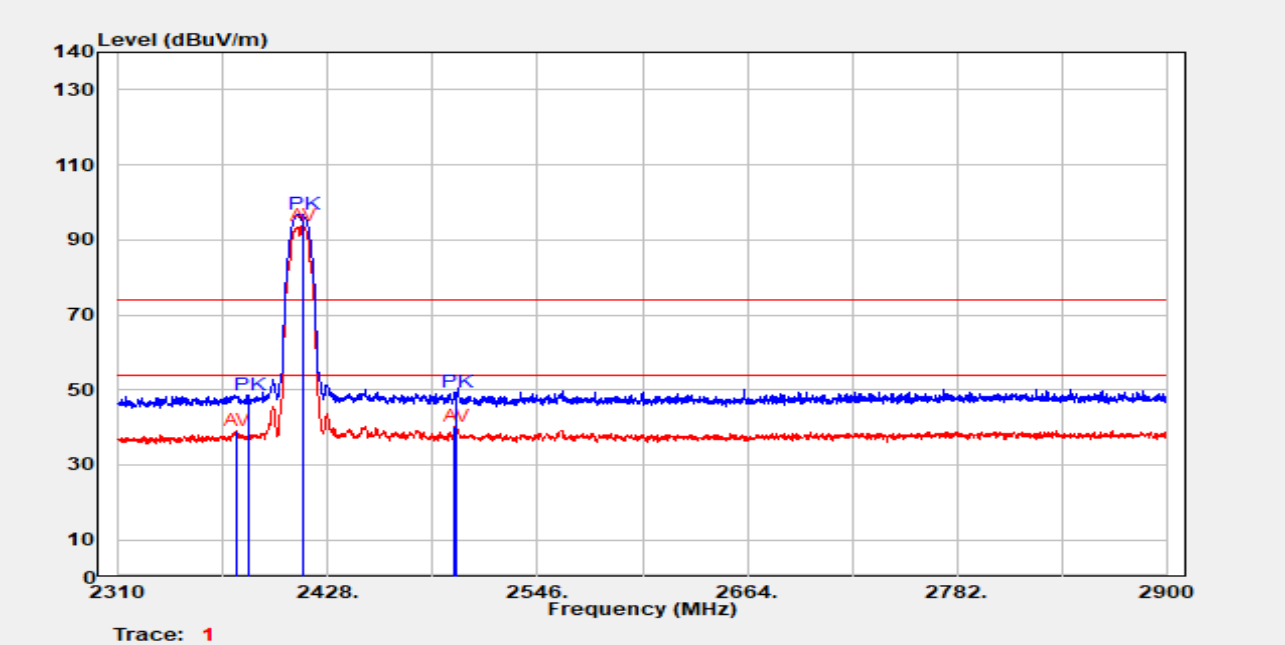
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11b	Test Date	:2025-09-15
Test Frequency	:2412 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2376.50	Average	43.39	-4.44	38.95	54.00	-15.05
2383.38	Peak	53.13	-4.39	48.74	74.00	-25.26
2413.48	Peak	101.31	-4.49	96.82	-	-
2413.48	Average	98.20	-4.49	93.71	-	-
2499.45	Average	44.83	-4.59	40.24	54.00	-13.76
2499.65	Peak	53.73	-4.58	49.15	74.00	-24.85

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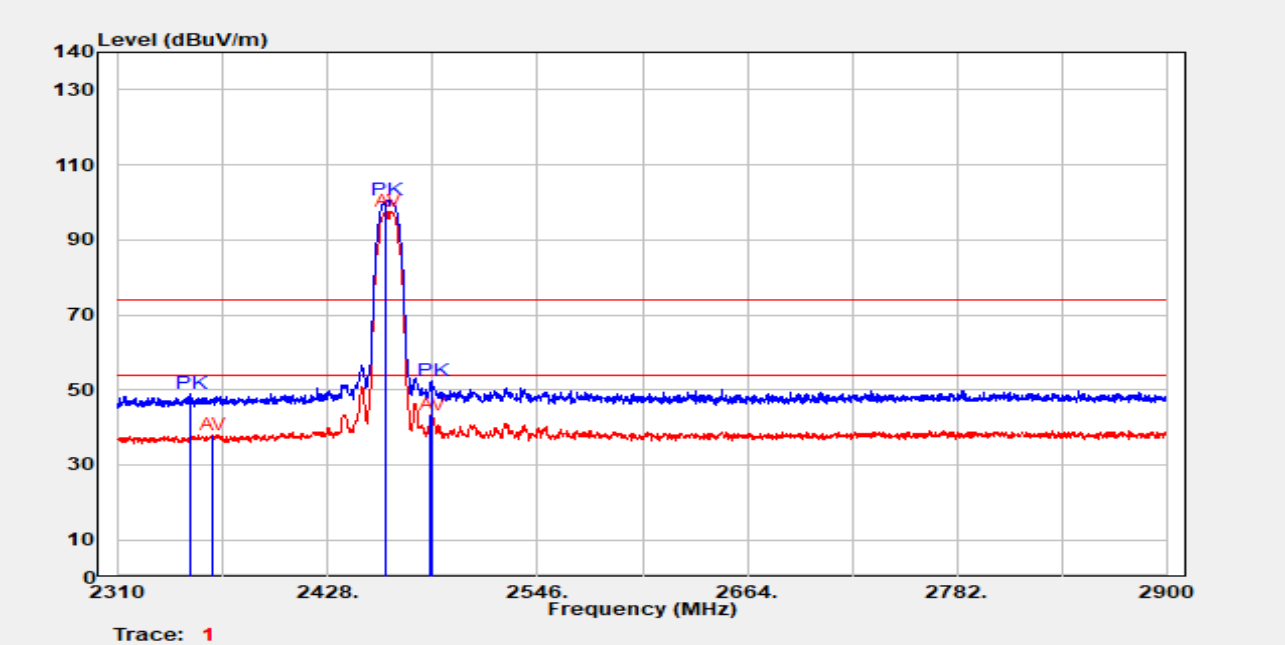
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11b	Test Date	:2025-09-15
Test Frequency	:2462 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2349.94	Peak	53.29	-4.42	48.87	74.00	-25.13
2362.53	Average	42.55	-4.44	38.11	54.00	-15.89
2460.89	Peak	105.40	-4.68	100.72	-	-
2460.89	Average	102.31	-4.68	97.63	-	-
2485.68	Average	48.08	-4.68	43.40	54.00	-10.60
2486.47	Peak	56.89	-4.68	52.21	74.00	-21.79

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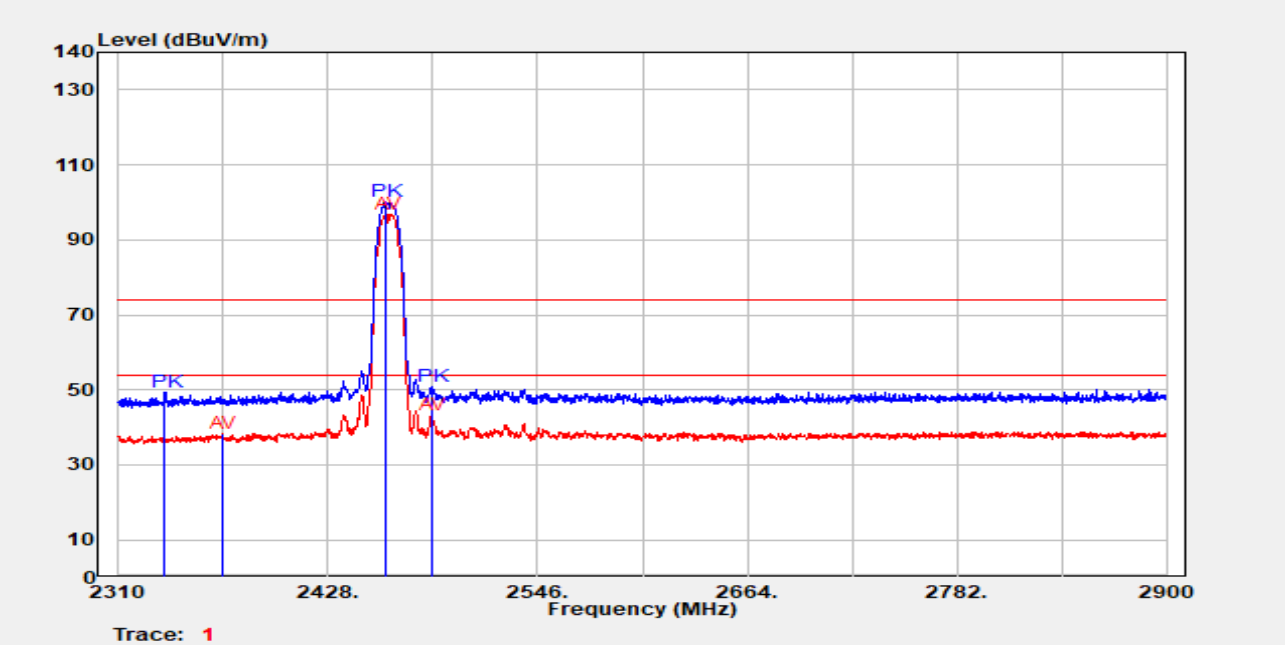
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11b	Test Date	:2025-09-15
Test Frequency	:2462 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2336.17	Peak	53.87	-4.42	49.45	74.00	-24.55
2368.23	Average	42.85	-4.49	38.36	54.00	-15.64
2460.89	Peak	104.71	-4.68	100.03	-	-
2460.89	Average	101.54	-4.68	96.86	-	-
2486.08	Peak	55.42	-4.68	50.74	74.00	-23.26
2486.47	Average	47.75	-4.68	43.07	54.00	-10.93

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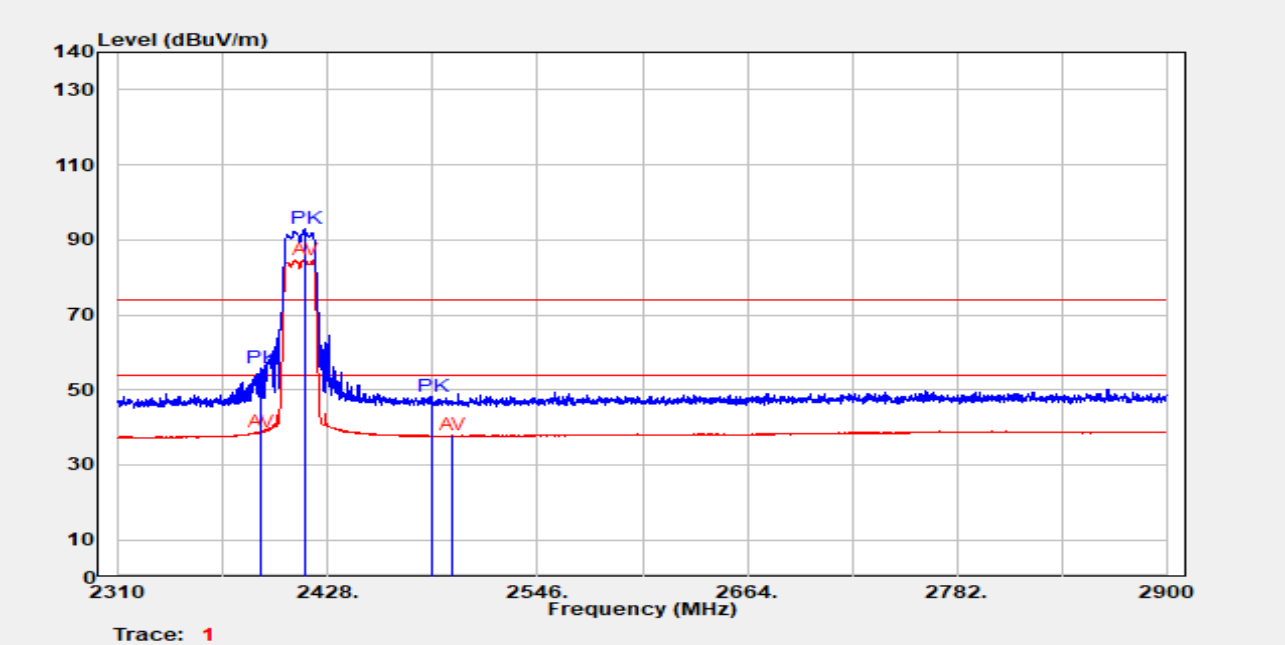
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11g	Test Date	:2025-09-15
Test Frequency	:2412 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2389.68	Average	43.08	-4.40	38.68	54.00	-15.32
2389.87	Peak	60.11	-4.40	55.71	74.00	-18.29
2414.47	Peak	97.39	-4.49	92.90	-	-
2414.47	Average	89.15	-4.49	84.66	-	-
2486.08	Peak	52.85	-4.68	48.17	74.00	-25.83
2497.68	Average	42.49	-4.60	37.89	54.00	-16.11

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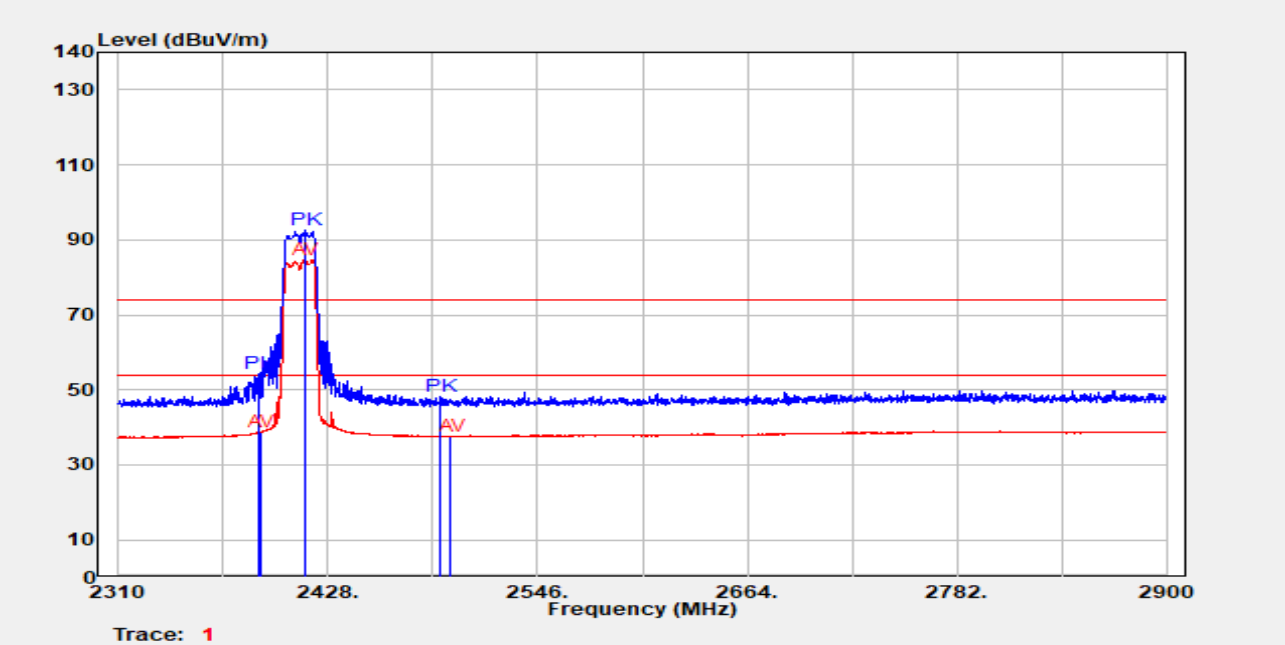
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11g	Test Date	:2025-09-15
Test Frequency	:2412 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2389.09	Peak	58.68	-4.40	54.28	74.00	-19.72
2389.87	Average	43.20	-4.40	38.80	54.00	-15.20
2414.66	Peak	97.11	-4.49	92.62	-	-
2414.66	Average	89.23	-4.49	84.74	-	-
2491.39	Peak	52.68	-4.67	48.01	74.00	-25.99
2496.90	Average	42.35	-4.61	37.74	54.00	-16.26

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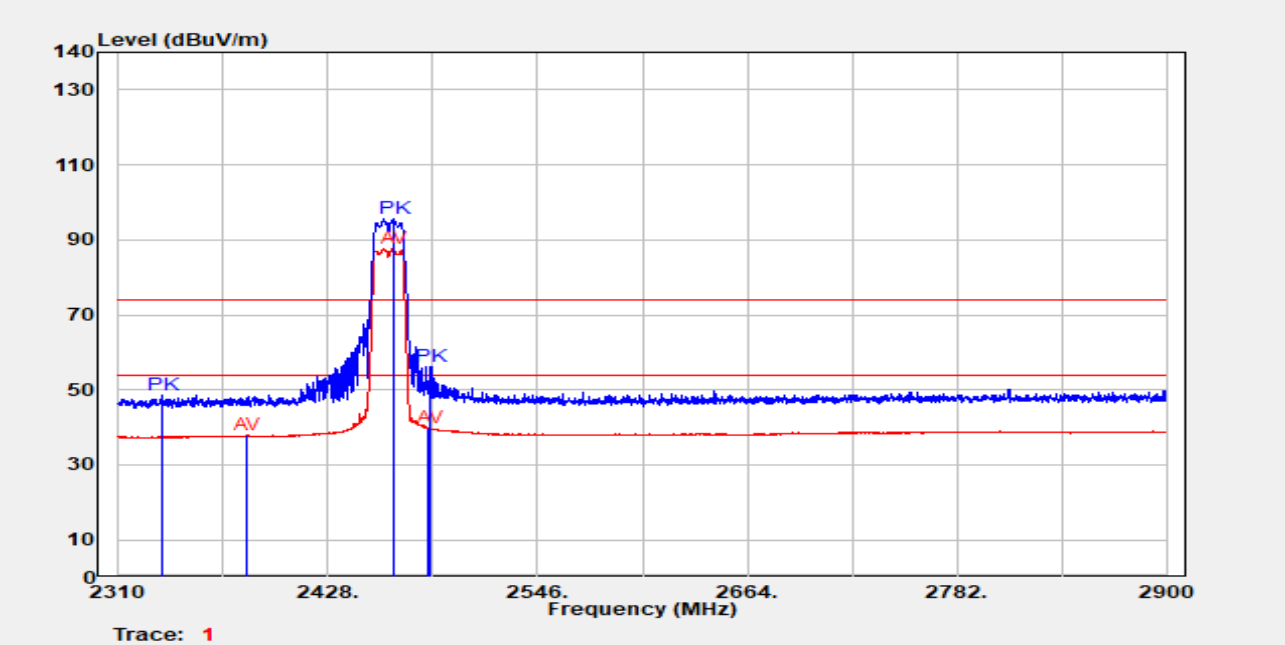
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11g	Test Date	:2025-09-15
Test Frequency	:2462 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2334.59	Peak	52.93	-4.42	48.51	74.00	-25.49
2381.81	Average	42.17	-4.40	37.77	54.00	-16.23
2464.63	Peak	100.38	-4.69	95.69	-	-
2464.63	Average	92.24	-4.69	87.55	-	-
2484.70	Average	44.56	-4.69	39.87	54.00	-14.13
2485.68	Peak	60.84	-4.68	56.16	74.00	-17.84

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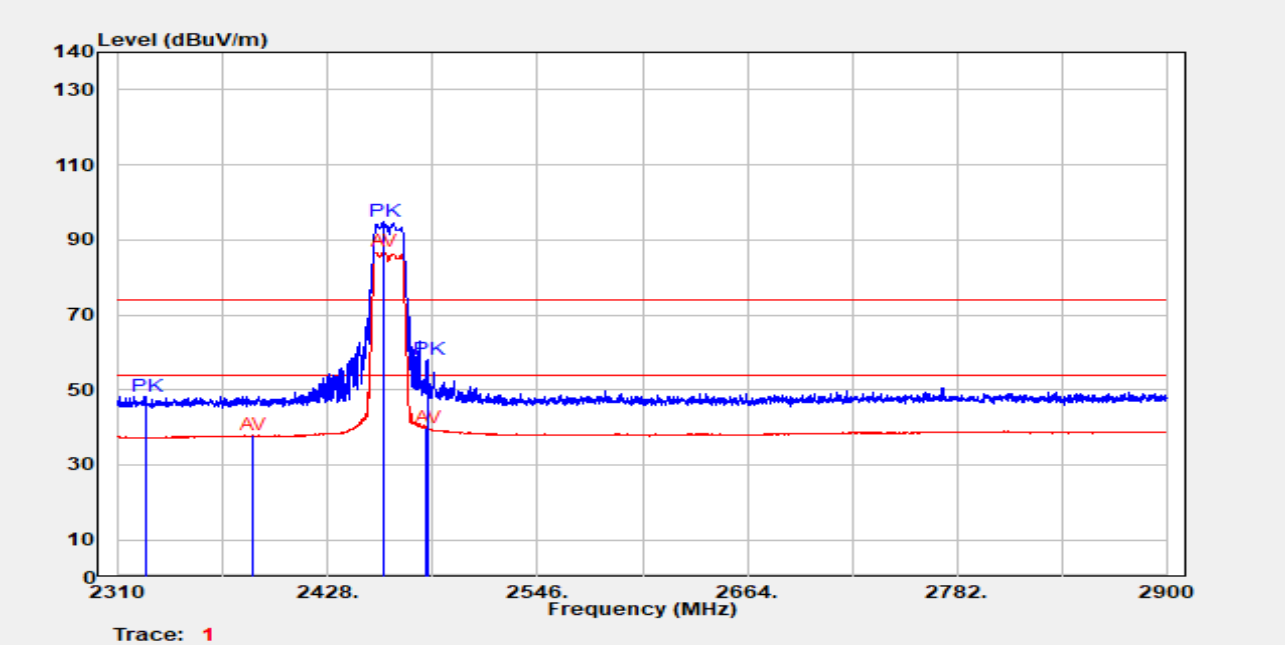
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11g	Test Date	:2025-09-15
Test Frequency	:2462 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2324.95	Peak	52.78	-4.43	48.35	74.00	-25.65
2385.55	Average	42.22	-4.39	37.83	54.00	-16.17
2459.12	Peak	99.52	-4.67	94.85	-	-
2459.12	Average	91.37	-4.67	86.70	-	-
2483.50	Average	44.39	-4.69	39.70	54.00	-14.30
2484.11	Peak	62.66	-4.69	57.97	74.00	-16.03

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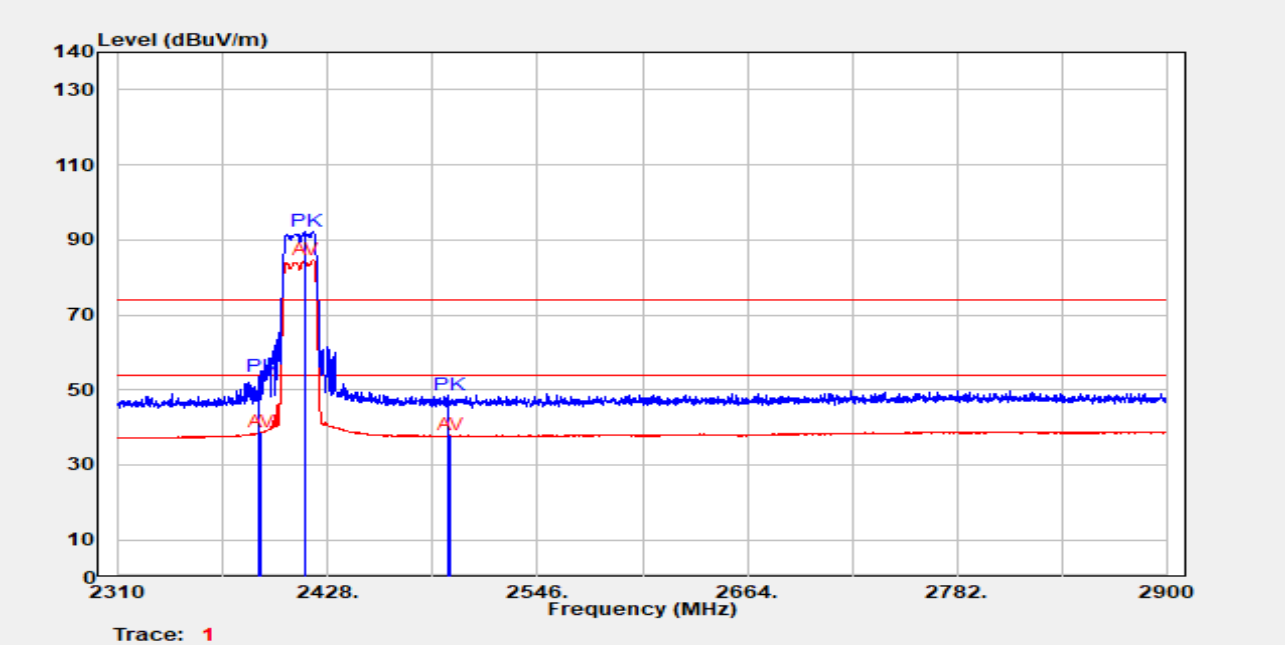
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n20	Test Date	:2025-09-15
Test Frequency	:2412 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2389.48	Peak	57.89	-4.40	53.49	74.00	-20.51
2389.68	Average	43.13	-4.40	38.73	54.00	-15.27
2415.06	Peak	96.59	-4.48	92.11	-	-
2415.06	Average	89.05	-4.48	84.57	-	-
2495.13	Peak	53.14	-4.63	48.51	74.00	-25.49
2496.70	Average	42.49	-4.61	37.88	54.00	-16.12

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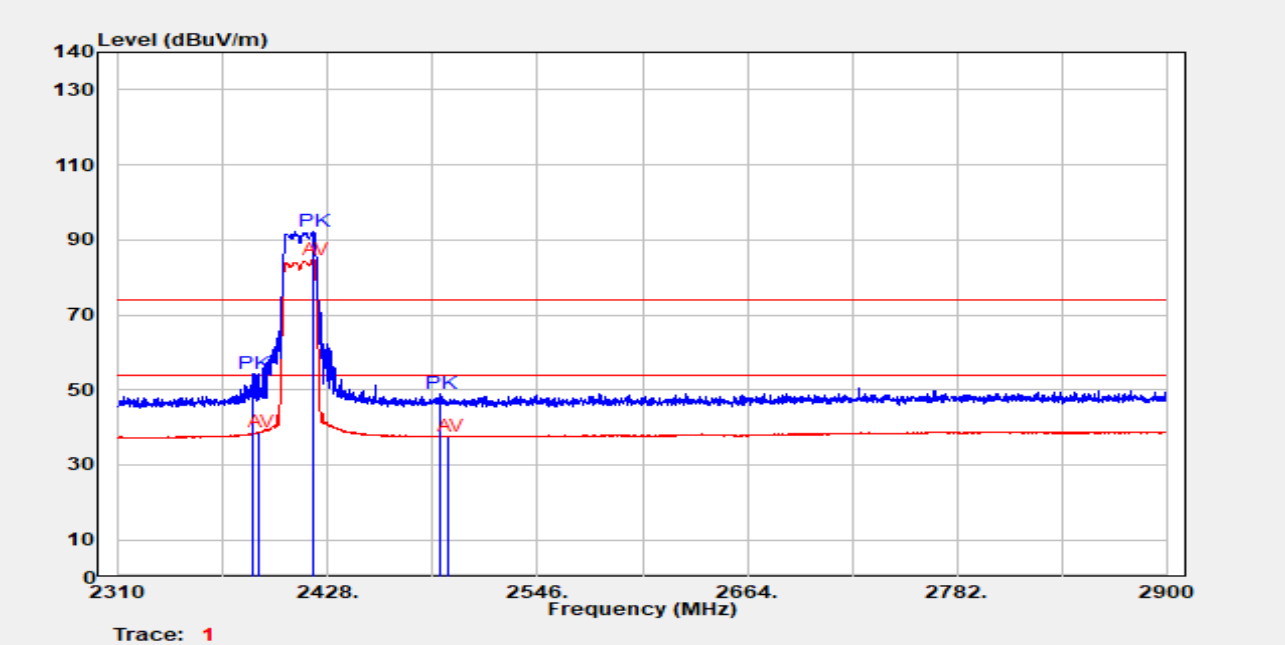
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n20	Test Date	:2025-09-15
Test Frequency	:2412 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2385.35	Peak	58.70	-4.39	54.31	74.00	-19.69
2389.48	Average	43.10	-4.40	38.70	54.00	-15.30
2419.78	Peak	96.73	-4.49	92.24	-	-
2419.78	Average	89.21	-4.49	84.72	-	-
2491.39	Peak	53.45	-4.67	48.78	74.00	-25.22
2495.91	Average	42.26	-4.62	37.64	54.00	-16.36

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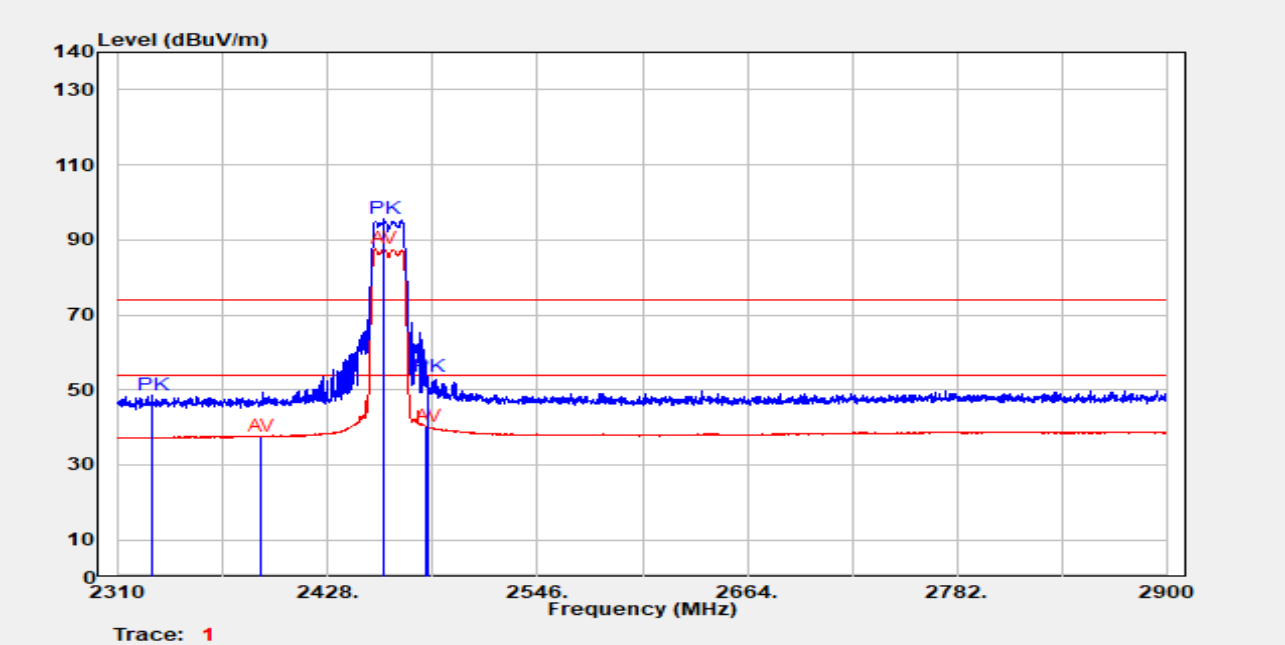
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n20	Test Date	:2025-09-15
Test Frequency	:2462 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2328.89	Peak	53.01	-4.42	48.59	74.00	-25.41
2389.87	Average	42.04	-4.40	37.64	54.00	-16.36
2459.32	Peak	100.26	-4.67	95.59	-	-
2459.32	Average	92.16	-4.67	87.49	-	-
2483.50	Average	44.83	-4.69	40.14	54.00	-13.86
2483.91	Peak	58.23	-4.69	53.54	74.00	-20.46

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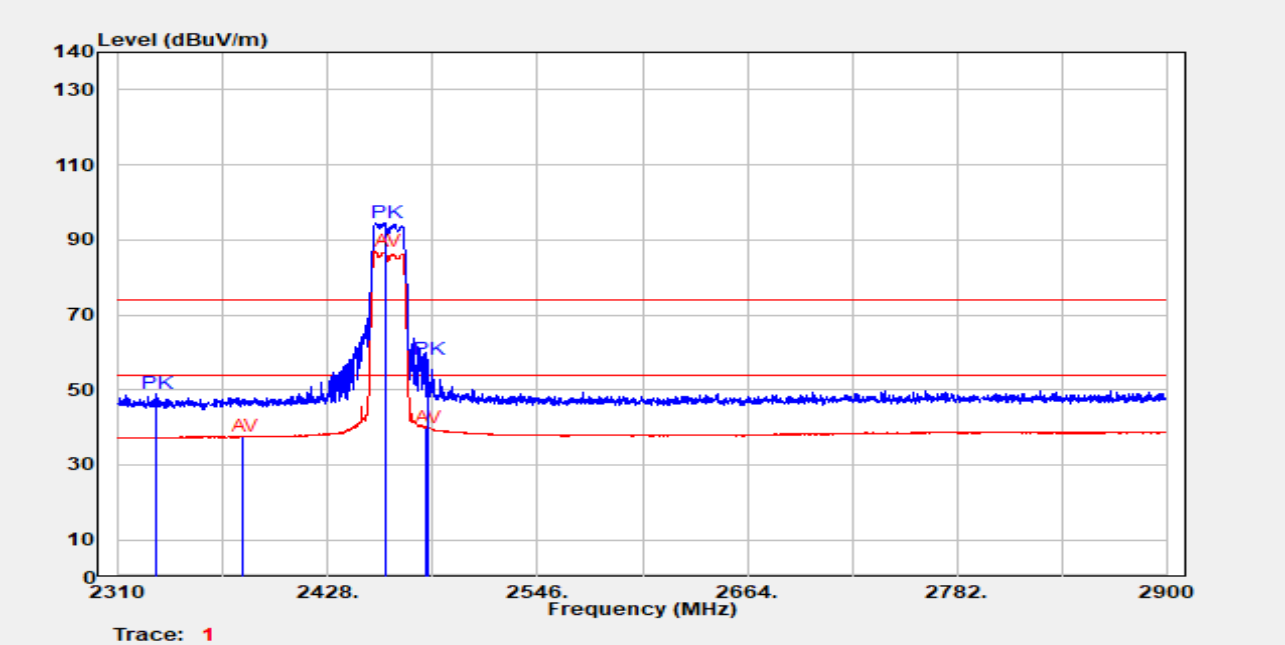
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n20	Test Date	:2025-09-15
Test Frequency	:2462 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2330.85	Peak	53.21	-4.42	48.79	74.00	-25.21
2380.04	Average	42.00	-4.40	37.60	54.00	-16.40
2460.70	Peak	99.19	-4.68	94.51	-	-
2460.70	Average	91.48	-4.68	86.80	-	-
2483.50	Average	44.53	-4.69	39.84	54.00	-14.16
2483.91	Peak	62.80	-4.69	58.11	74.00	-15.89

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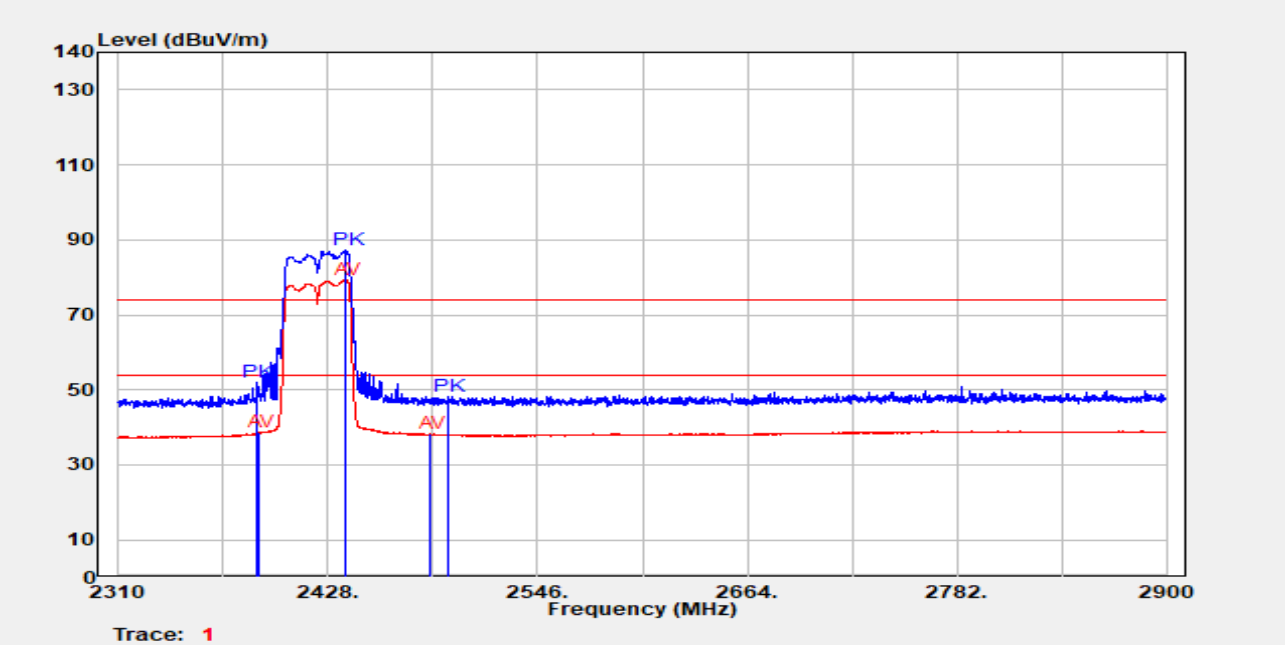
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n40	Test Date	:2025-09-15
Test Frequency	:2422 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2387.71	Peak	56.20	-4.40	51.80	74.00	-22.20
2389.48	Average	43.02	-4.40	38.62	54.00	-15.38
2438.27	Peak	91.78	-4.56	87.22	-	-
2438.27	Average	84.00	-4.56	79.44	-	-
2485.68	Average	42.88	-4.68	38.20	54.00	-15.80
2495.72	Peak	52.87	-4.62	48.25	74.00	-25.75

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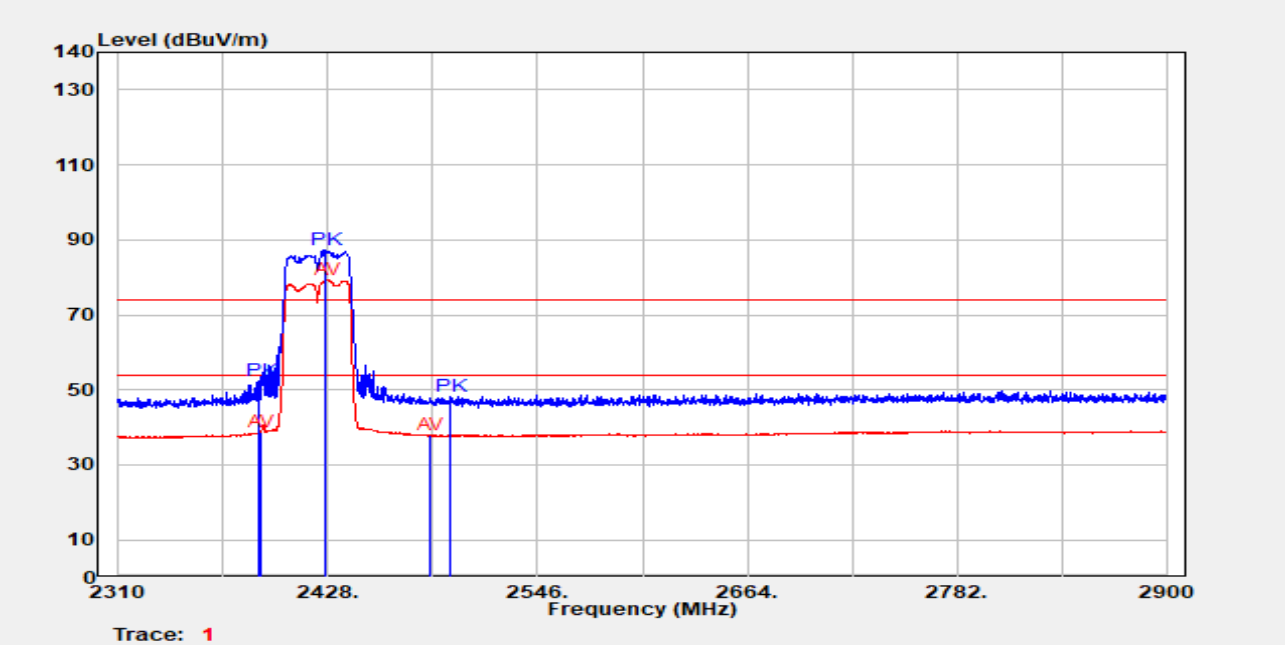
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n40	Test Date	:2025-09-15
Test Frequency	:2422 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2389.48	Peak	56.80	-4.40	52.40	74.00	-21.60
2389.87	Average	43.07	-4.40	38.67	54.00	-15.33
2426.66	Peak	91.90	-4.48	87.42	-	-
2426.66	Average	83.72	-4.48	79.24	-	-
2485.09	Average	42.65	-4.68	37.97	54.00	-16.03
2496.90	Peak	52.74	-4.61	48.13	74.00	-25.87

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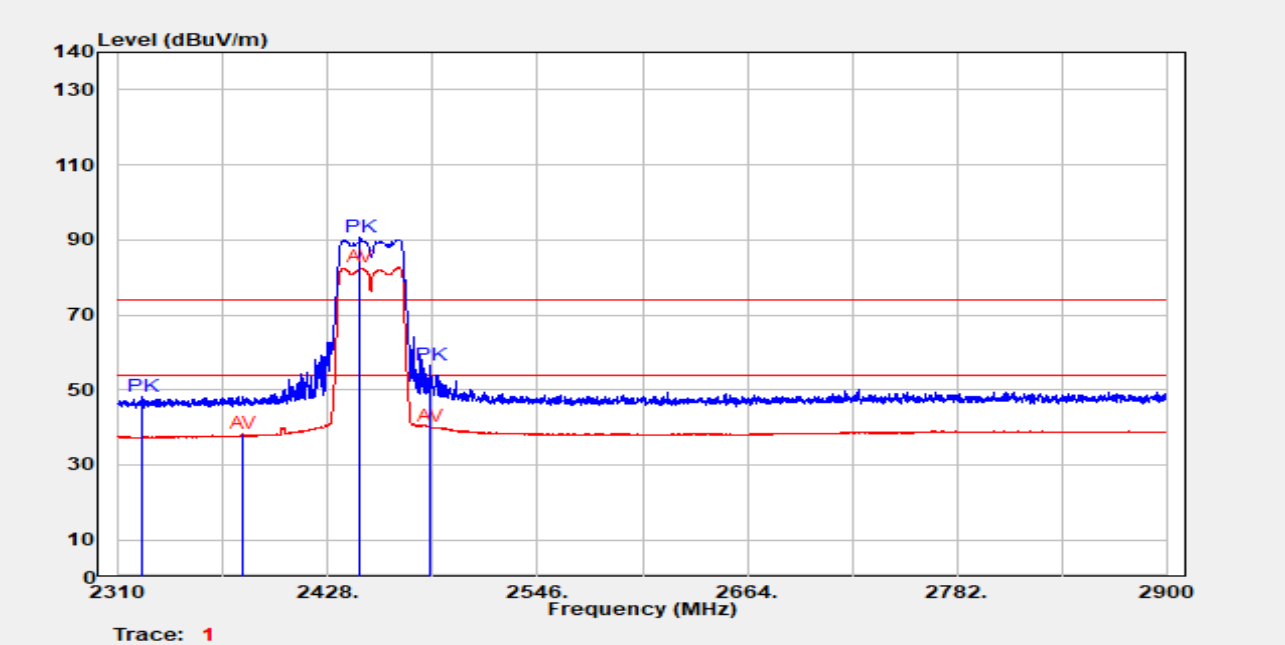
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n40	Test Date	:2025-09-15
Test Frequency	:2452 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2323.57	Peak	52.48	-4.43	48.05	74.00	-25.95
2379.84	Average	42.70	-4.40	38.30	54.00	-15.70
2445.75	Peak	95.37	-4.58	90.79	-	-
2445.75	Average	87.18	-4.58	82.60	-	-
2484.90	Average	45.02	-4.69	40.33	54.00	-13.67
2485.09	Peak	61.11	-4.68	56.43	74.00	-17.57

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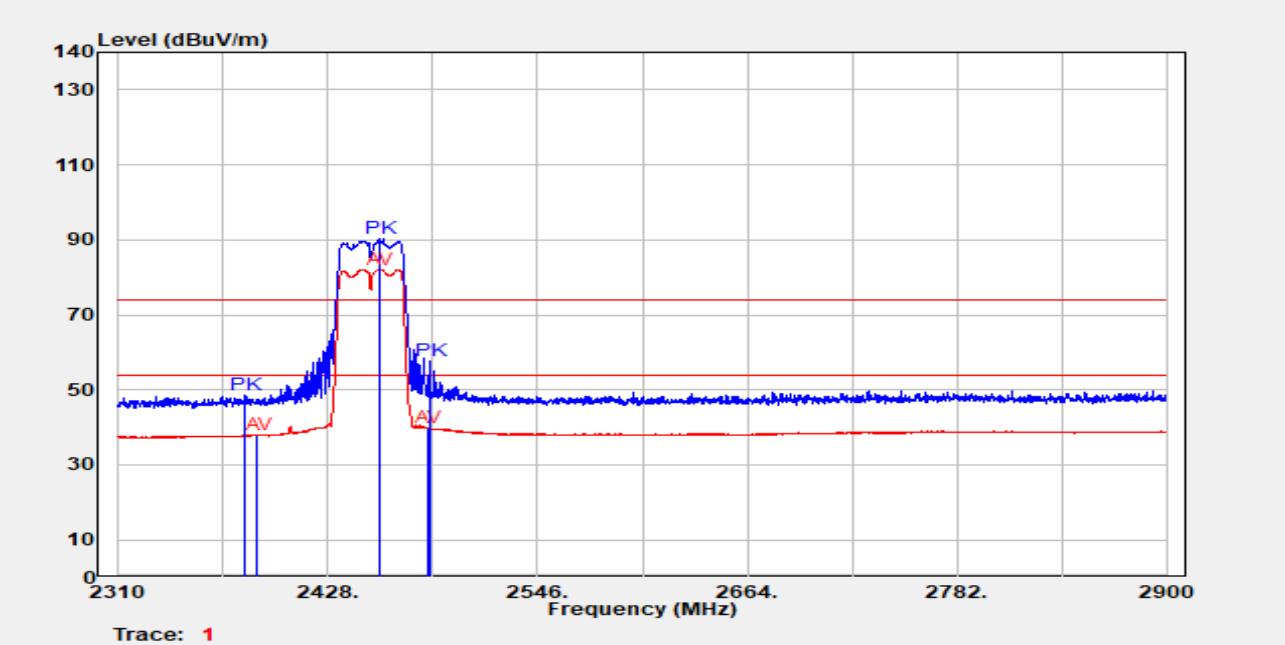
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n40	Test Date	:2025-09-15
Test Frequency	:2452 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Bandedge	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
2381.22	Peak	52.79	-4.40	48.39	74.00	-25.61
2388.30	Average	42.40	-4.40	38.00	54.00	-16.00
2456.57	Peak	95.02	-4.65	90.37	-	-
2456.57	Average	86.73	-4.65	82.08	-	-
2483.91	Average	44.53	-4.69	39.84	54.00	-14.16
2484.90	Peak	62.44	-4.69	57.75	74.00	-16.25

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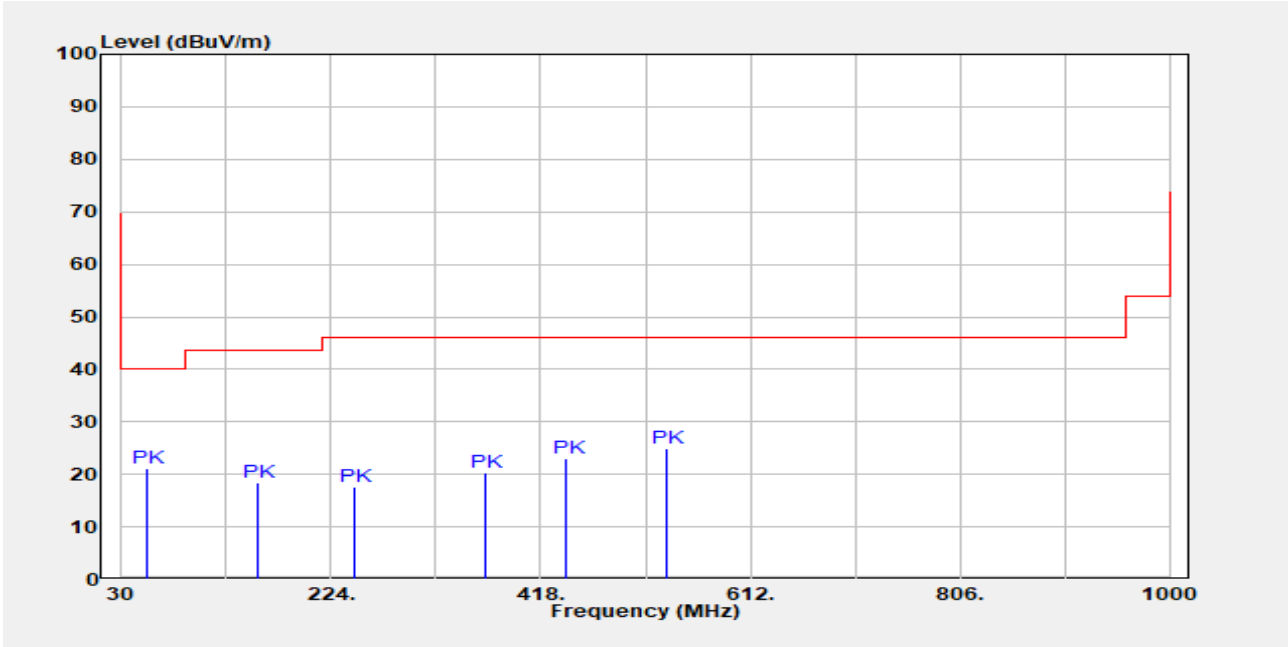
7.3.2 Spurious Emission

Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11g	Test Date	:2025-09-16
Test Frequency	:2437 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
54.25	Peak	33.61	-12.51	21.10	40.00	-18.90
156.10	Peak	30.81	-12.51	18.30	43.50	-25.20
246.31	Peak	31.45	-13.85	17.60	46.00	-28.40
367.56	Peak	30.68	-10.28	20.40	46.00	-25.60
442.25	Peak	31.05	-7.89	23.16	46.00	-22.84
535.37	Peak	31.15	-6.28	24.87	46.00	-21.13

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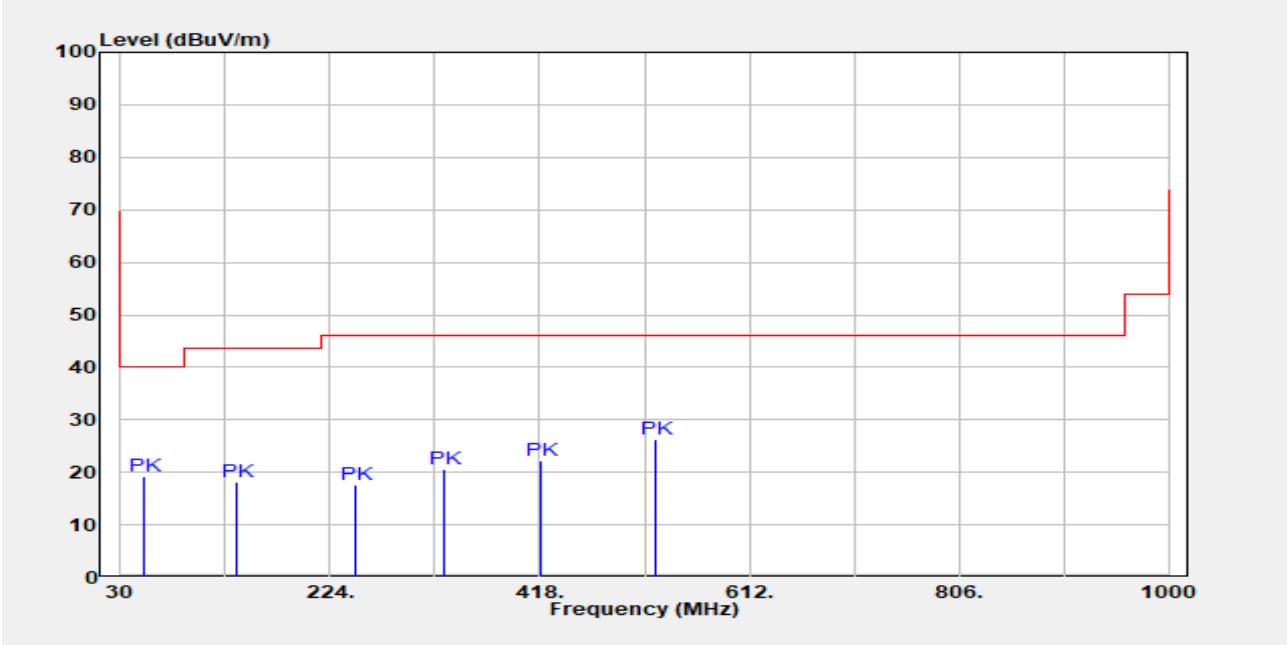
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11g	Test Date	:2025-09-16
Test Frequency	:2437 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
52.31	Peak	31.58	-12.45	19.13	40.00	-20.87
137.67	Peak	31.64	-13.40	18.24	43.50	-25.26
248.25	Peak	31.40	-13.82	17.58	46.00	-28.42
328.76	Peak	31.68	-11.01	20.67	46.00	-25.33
418.97	Peak	30.96	-8.75	22.21	46.00	-23.79
524.70	Peak	32.75	-6.56	26.19	46.00	-19.81

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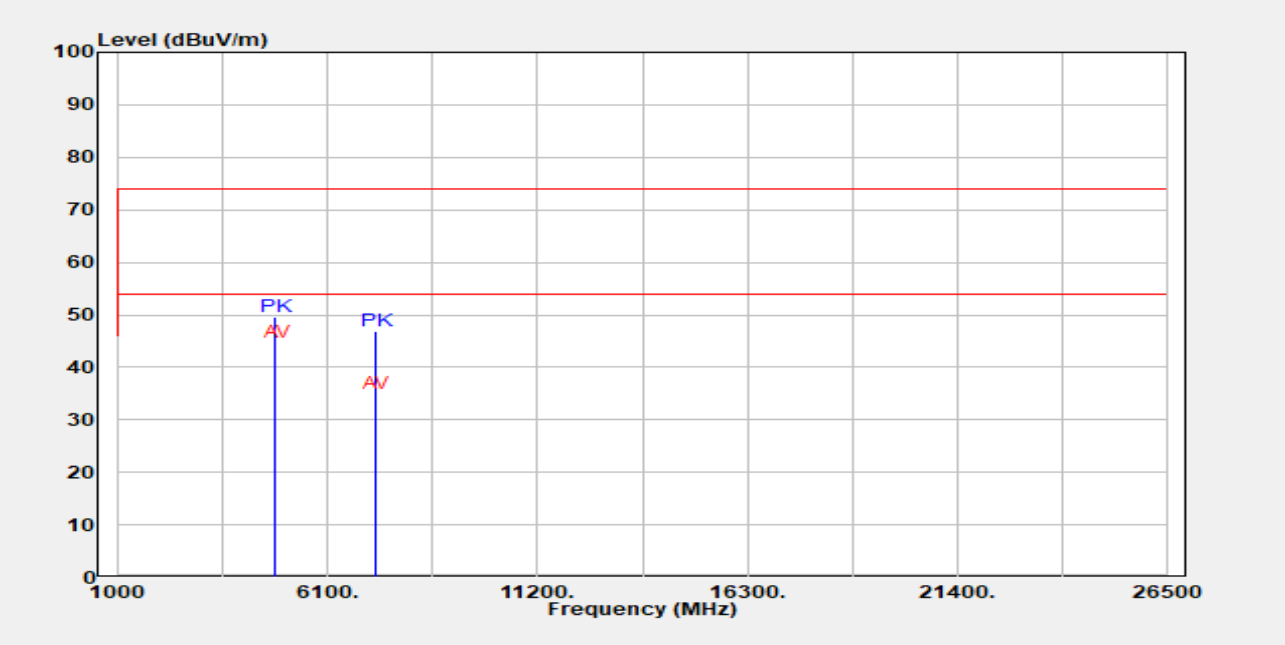
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11b	Test Date	:2025-09-15
Test Frequency	:2412 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4824.00	Peak	46.97	2.63	49.60	74.00	-24.40
4824.00	Average	41.97	2.63	44.60	54.00	-9.40
7236.00	Peak	39.66	7.18	46.84	74.00	-27.16
7236.00	Average	27.91	7.18	35.09	54.00	-18.91

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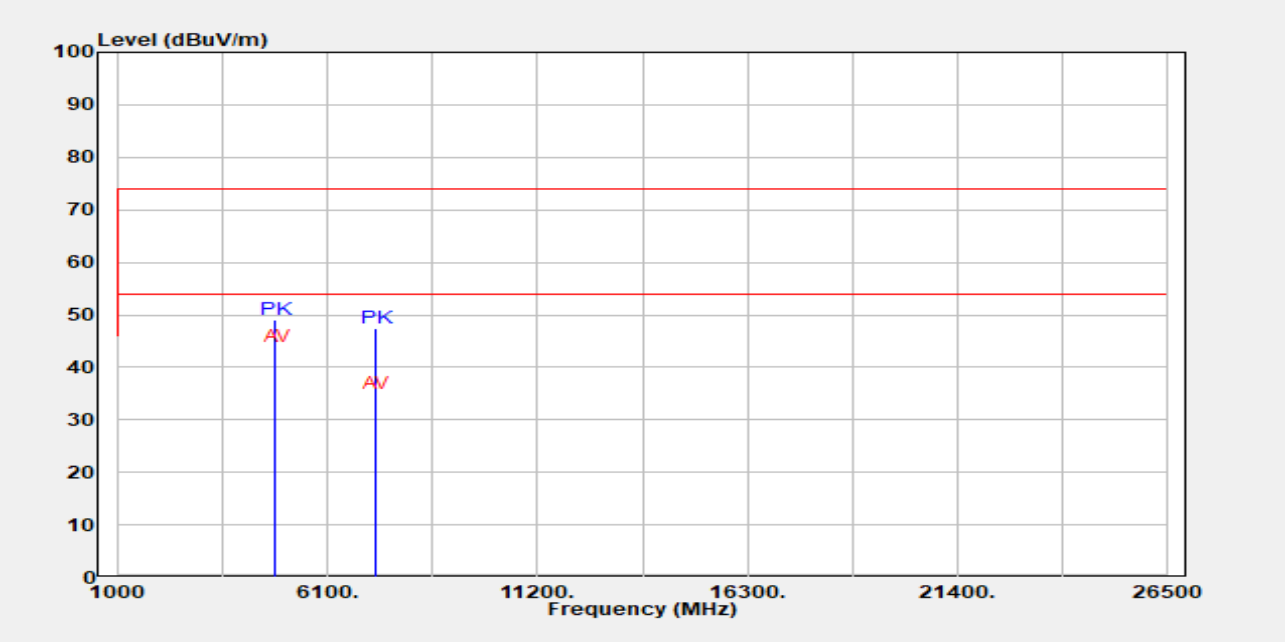
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11b	Test Date	:2025-09-15
Test Frequency	:2412 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4824.00	Peak	46.42	2.63	49.05	74.00	-24.95
4824.00	Average	41.40	2.63	44.03	54.00	-9.97
7236.00	Peak	40.19	7.18	47.37	74.00	-26.63
7236.00	Average	27.69	7.18	34.87	54.00	-19.13

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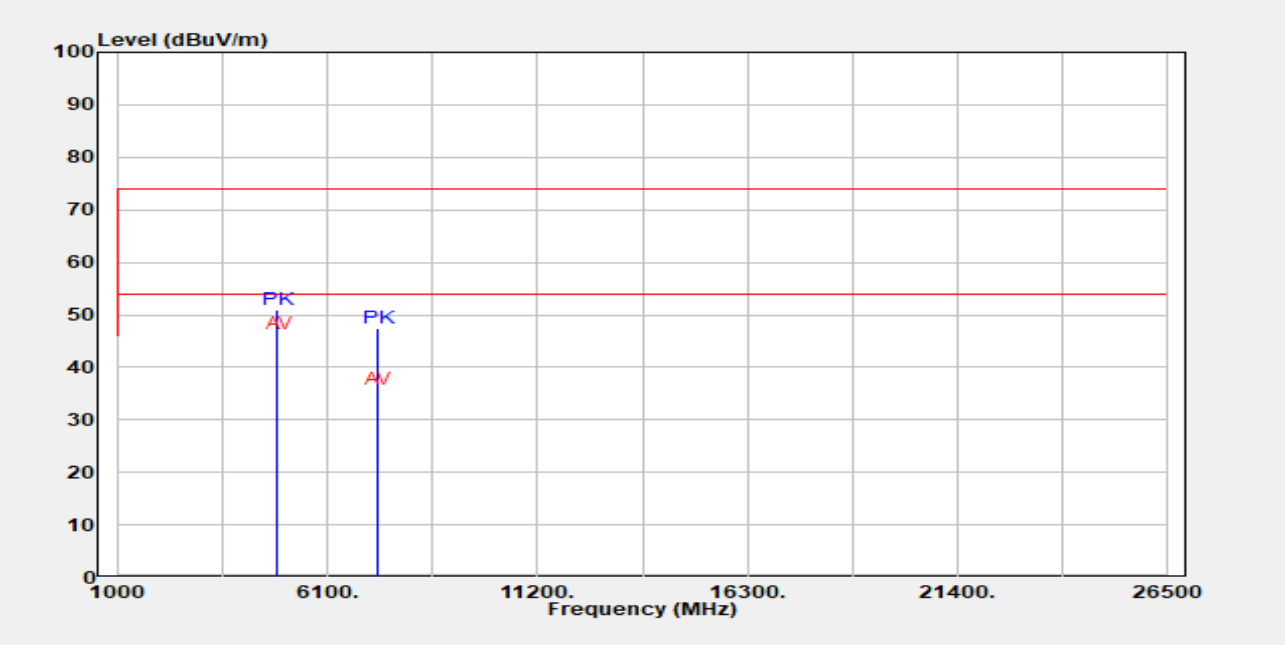
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11b	Test Date	:2025-09-15
Test Frequency	:2437 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4874.00	Peak	48.14	2.74	50.88	74.00	-23.12
4874.00	Average	43.57	2.74	46.31	54.00	-7.69
7311.00	Peak	40.10	7.34	47.44	74.00	-26.56
7311.00	Average	28.39	7.34	35.73	54.00	-18.27

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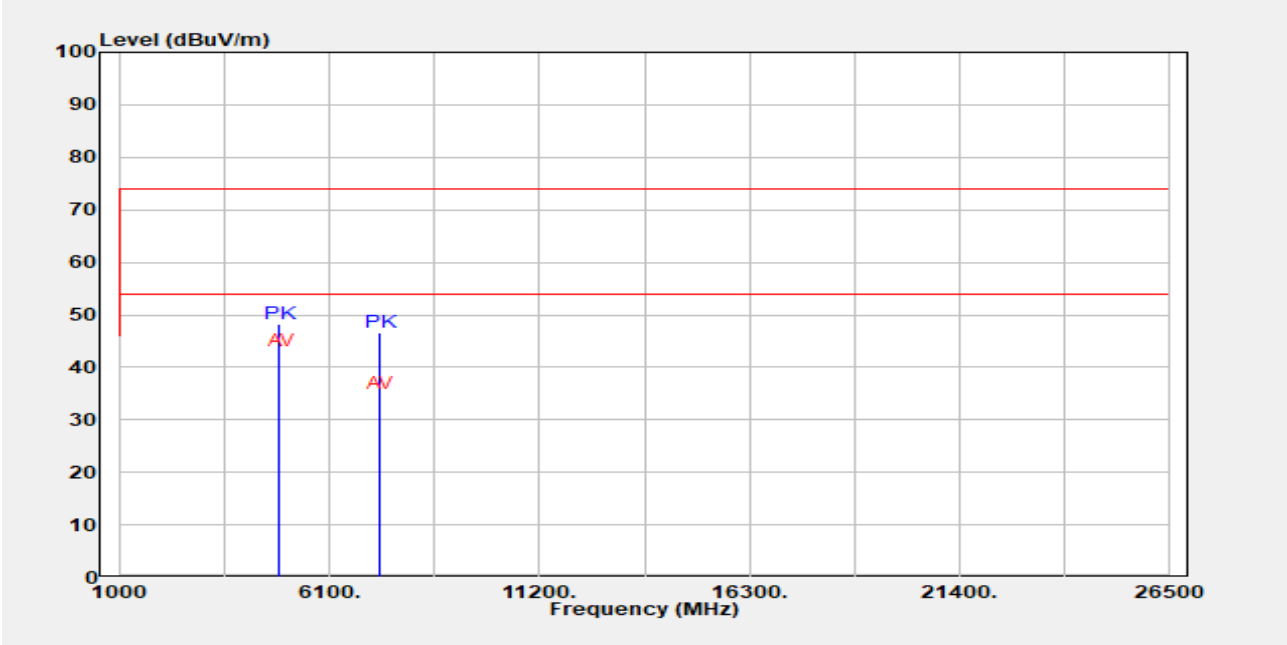
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11b	Test Date	:2025-09-15
Test Frequency	:2437 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4874.00	Peak	45.63	2.74	48.37	74.00	-25.63
4874.00	Average	40.22	2.74	42.96	54.00	-11.04
7311.00	Peak	39.34	7.34	46.68	74.00	-27.32
7311.00	Average	27.62	7.34	34.96	54.00	-19.04

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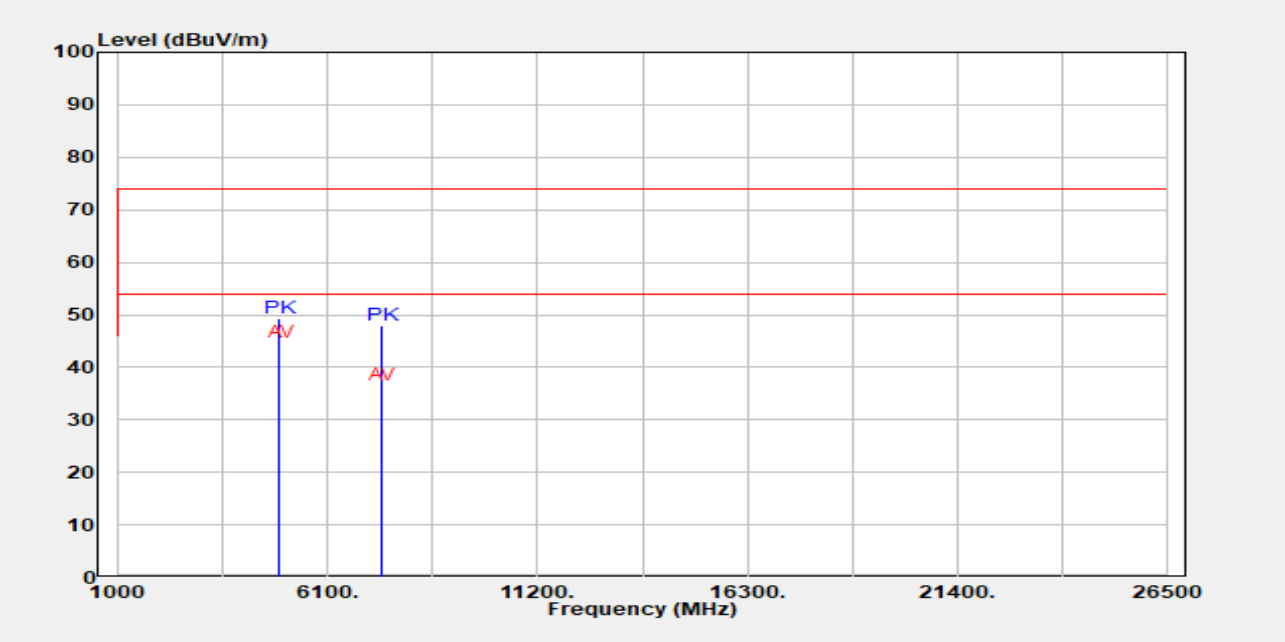
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11b	Test Date	:2025-09-15
Test Frequency	:2462 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Peak	46.57	2.88	49.45	74.00	-24.55
4924.00	Average	41.88	2.88	44.76	54.00	-9.24
7386.00	Peak	40.27	7.60	47.87	74.00	-26.13
7386.00	Average	28.95	7.60	36.55	54.00	-17.45

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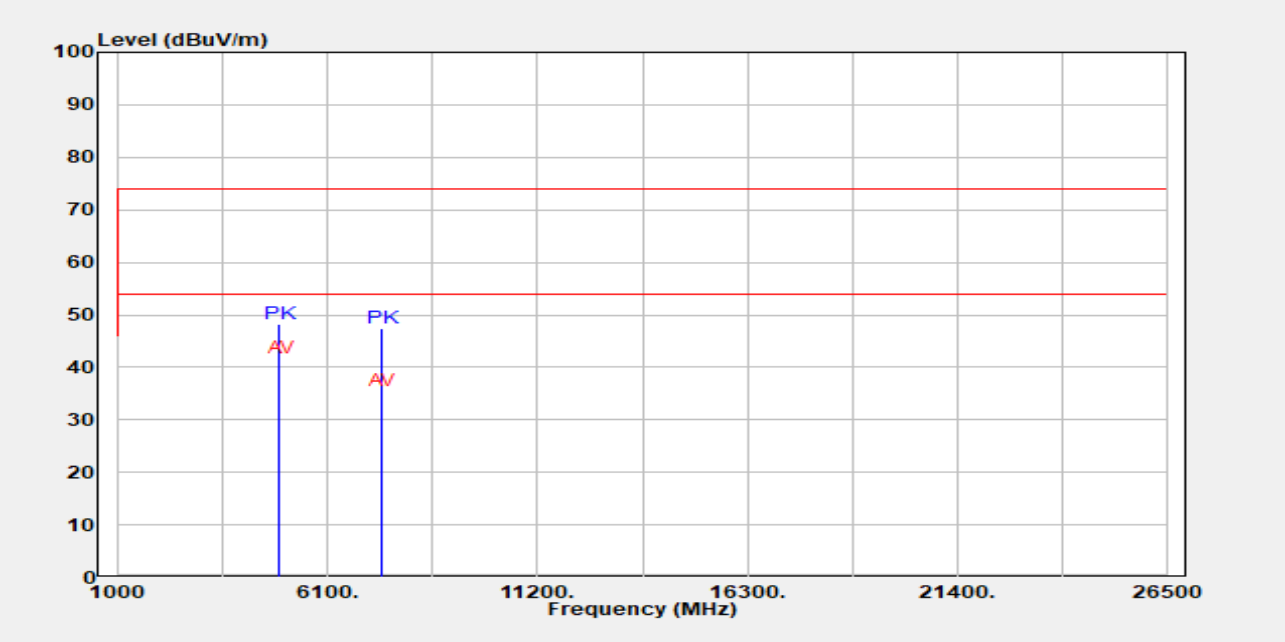
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11b	Test Date	:2025-09-15
Test Frequency	:2462 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Peak	45.23	2.88	48.11	74.00	-25.89
4924.00	Average	38.87	2.88	41.75	54.00	-12.25
7386.00	Peak	39.89	7.60	47.49	74.00	-26.51
7386.00	Average	27.84	7.60	35.44	54.00	-18.56

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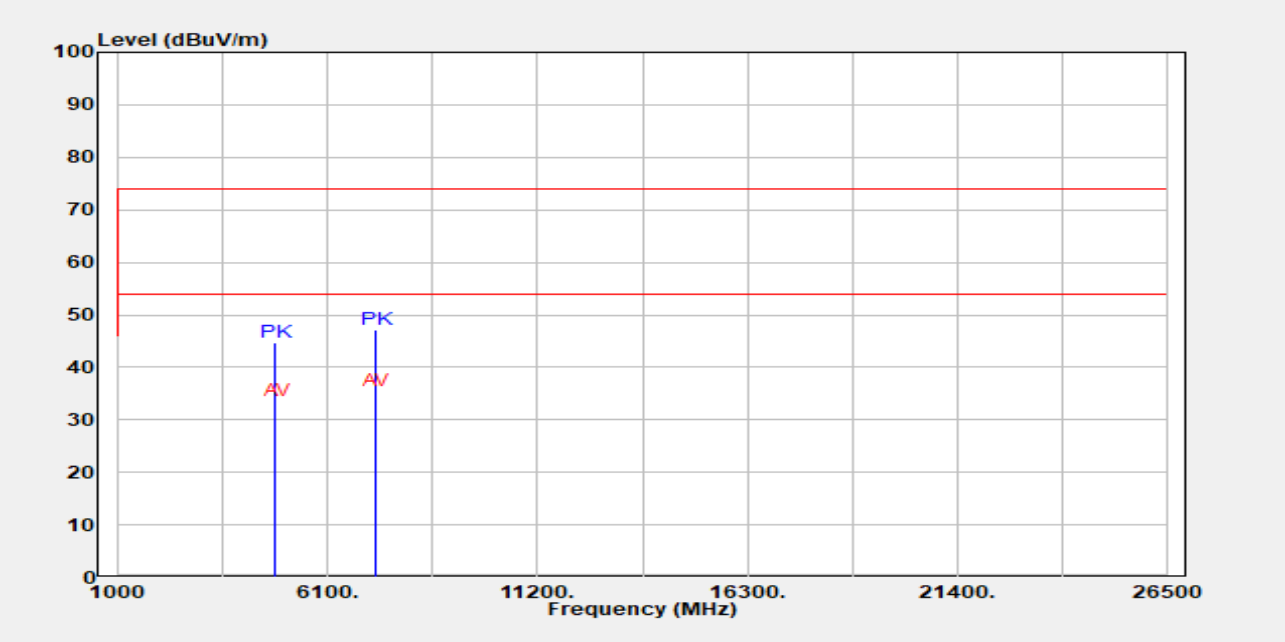
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11g	Test Date	:2025-09-15
Test Frequency	:2412 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4824.00	Peak	42.13	2.63	44.76	74.00	-29.24
4824.00	Average	31.09	2.63	33.72	54.00	-20.28
7236.00	Peak	40.00	7.18	47.18	74.00	-26.82
7236.00	Average	28.19	7.18	35.37	54.00	-18.63

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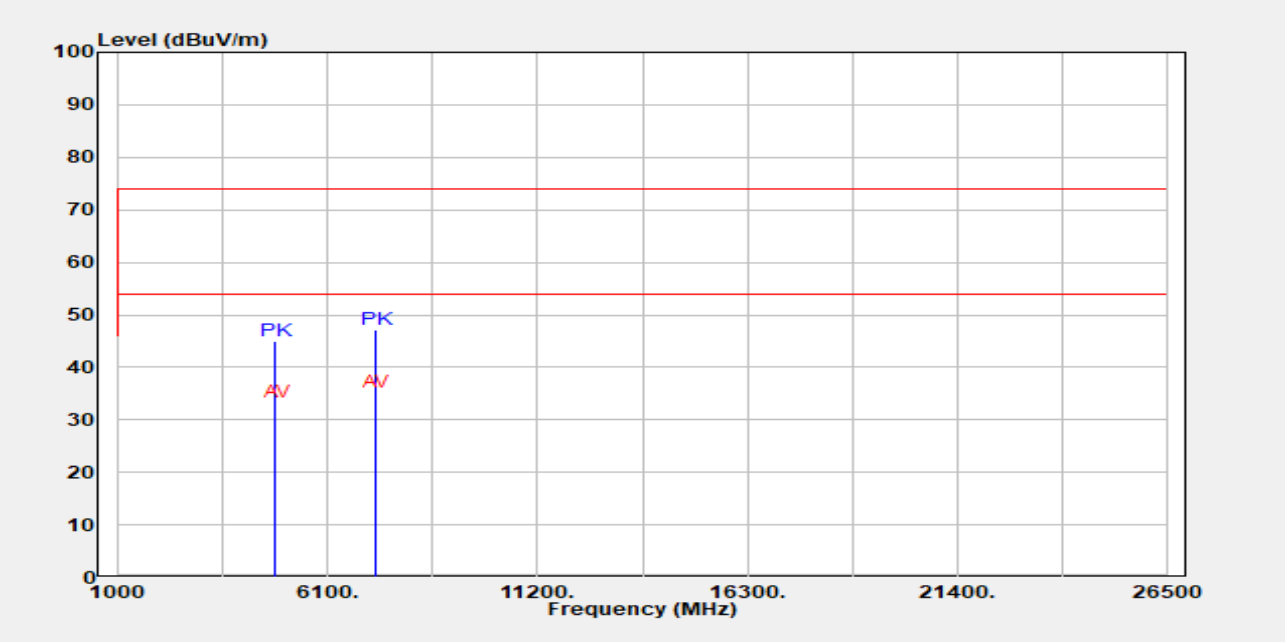
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11g	Test Date	:2025-09-15
Test Frequency	:2412 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4824.00	Peak	42.30	2.63	44.93	74.00	-29.07
4824.00	Average	30.81	2.63	33.44	54.00	-20.56
7236.00	Peak	39.90	7.18	47.08	74.00	-26.92
7236.00	Average	28.10	7.18	35.28	54.00	-18.72

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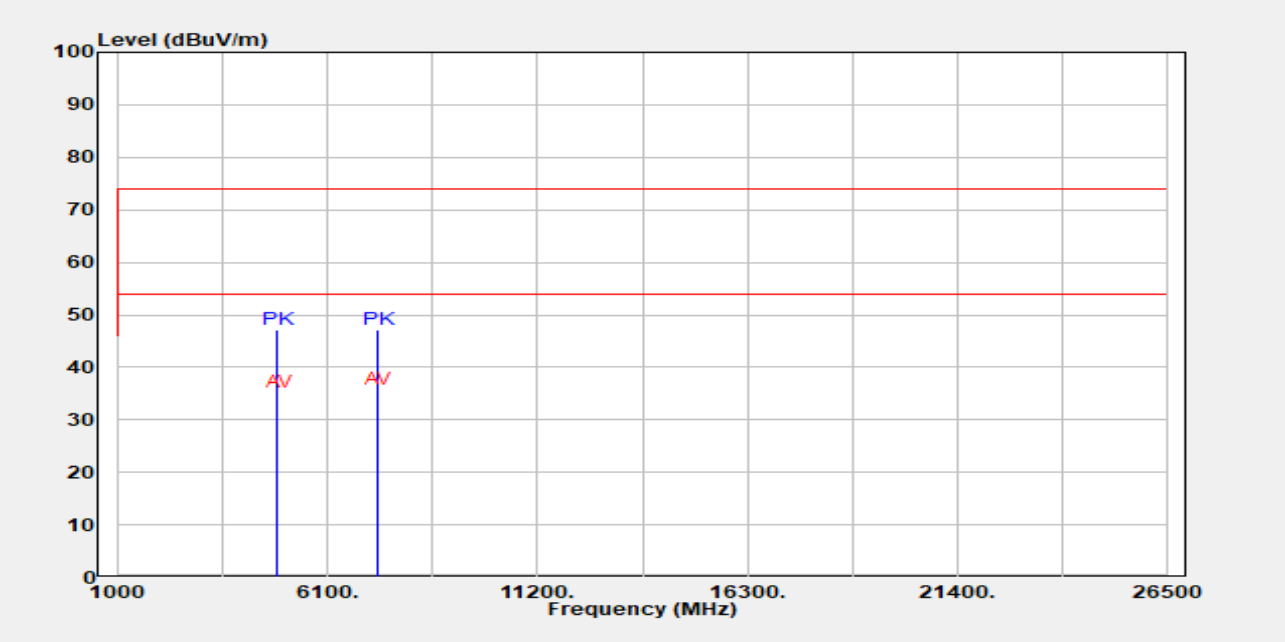
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11g	Test Date	:2025-09-15
Test Frequency	:2437 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4874.00	Peak	44.53	2.74	47.27	74.00	-26.73
4874.00	Average	32.58	2.74	35.32	54.00	-18.68
7311.00	Peak	39.85	7.34	47.19	74.00	-26.81
7311.00	Average	28.33	7.34	35.67	54.00	-18.33

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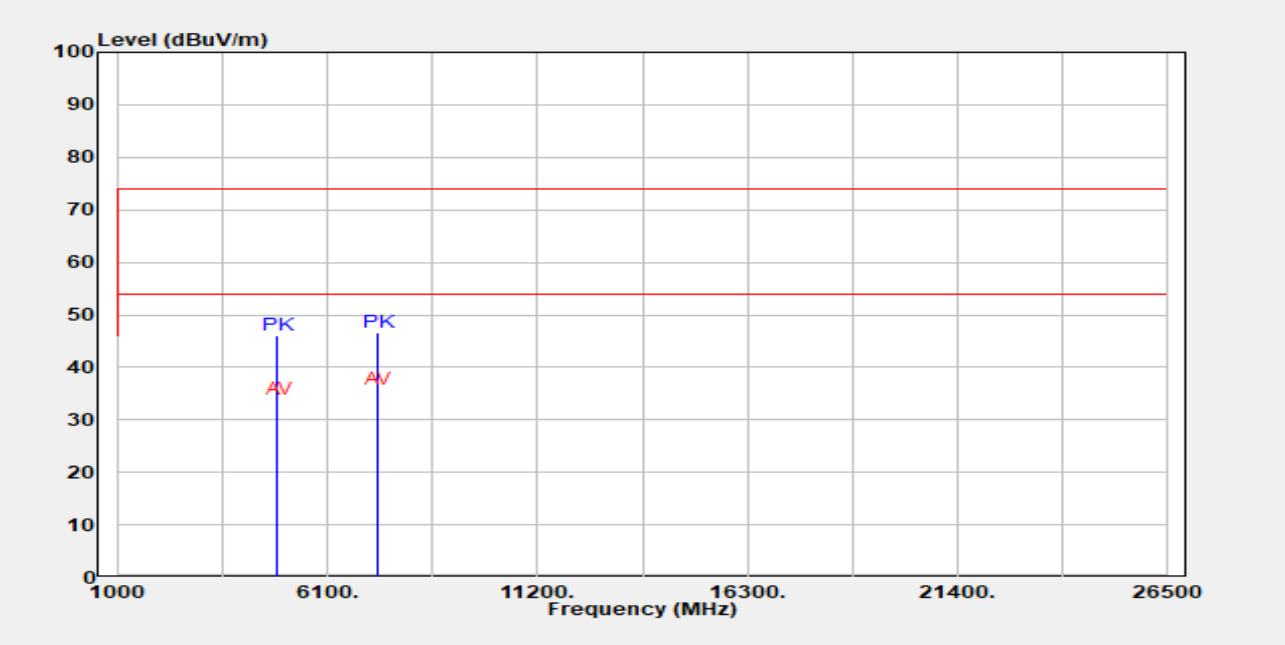
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11g	Test Date	:2025-09-15
Test Frequency	:2437 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4874.00	Peak	43.29	2.74	46.03	74.00	-27.97
4874.00	Average	31.07	2.74	33.81	54.00	-20.19
7311.00	Peak	39.29	7.34	46.63	74.00	-27.37
7311.00	Average	28.32	7.34	35.66	54.00	-18.34

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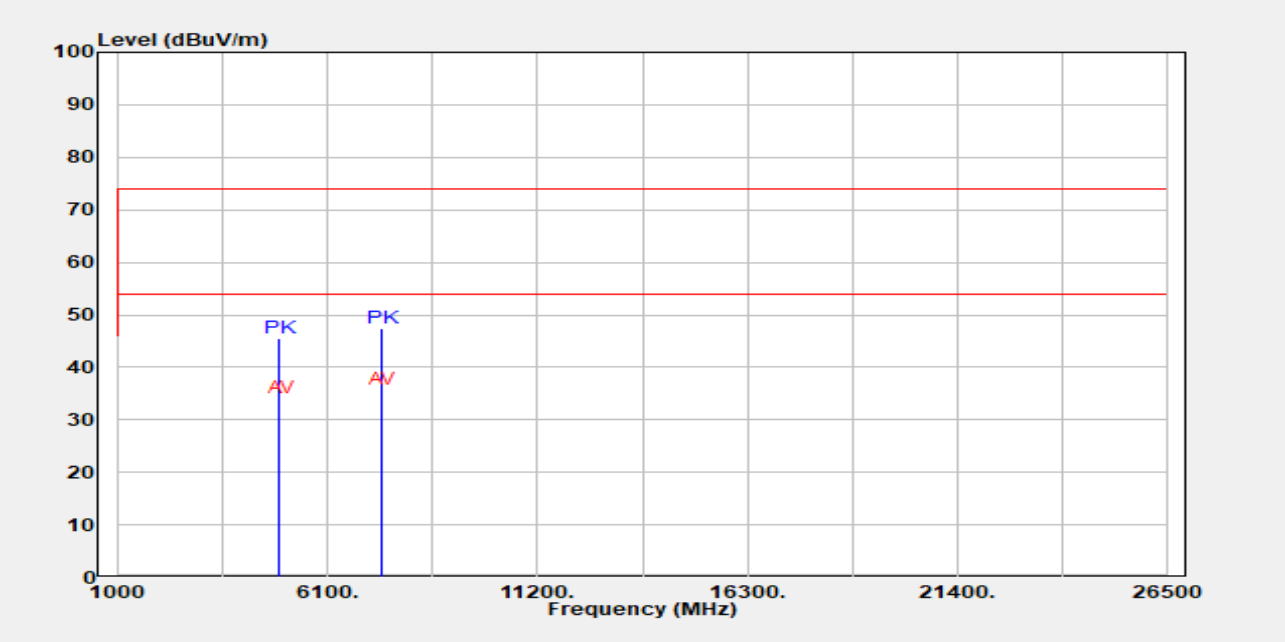
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11g	Test Date	:2025-09-15
Test Frequency	:2462 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Peak	42.61	2.88	45.49	74.00	-28.51
4924.00	Average	31.28	2.88	34.16	54.00	-19.84
7386.00	Peak	39.84	7.60	47.44	74.00	-26.56
7386.00	Average	28.19	7.60	35.79	54.00	-18.21

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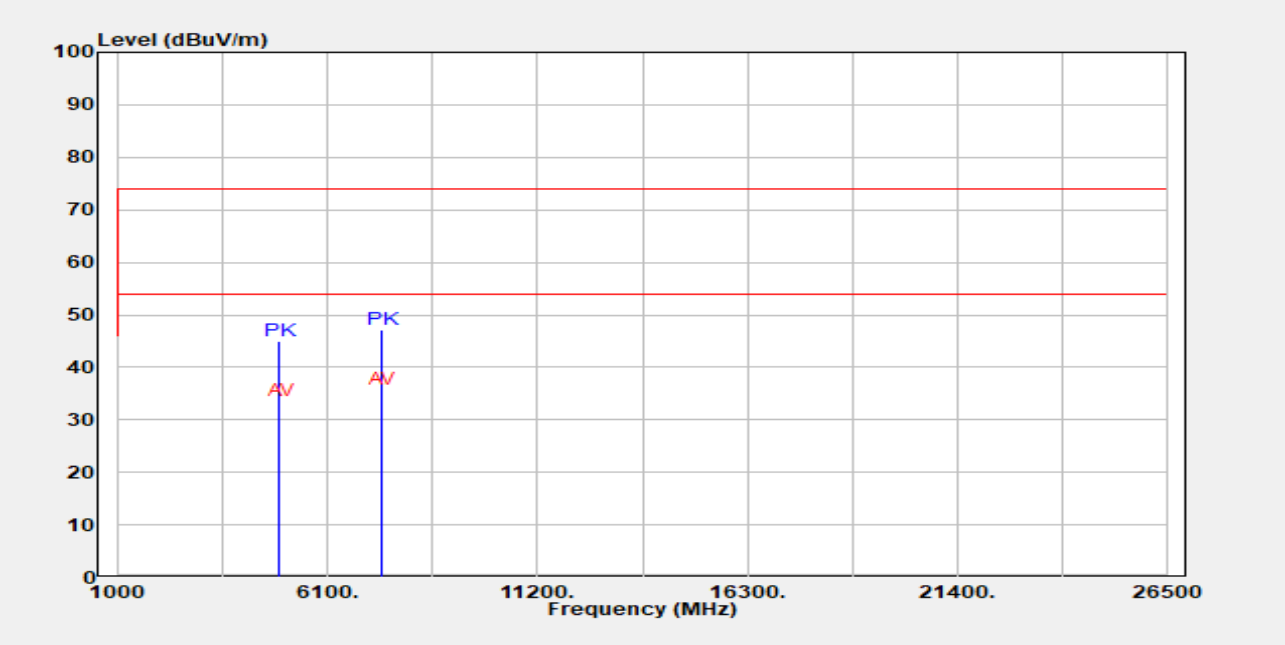
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11g	Test Date	:2025-09-15
Test Frequency	:2462 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Peak	42.04	2.88	44.92	74.00	-29.08
4924.00	Average	30.64	2.88	33.52	54.00	-20.48
7386.00	Peak	39.68	7.60	47.28	74.00	-26.72
7386.00	Average	28.10	7.60	35.70	54.00	-18.30

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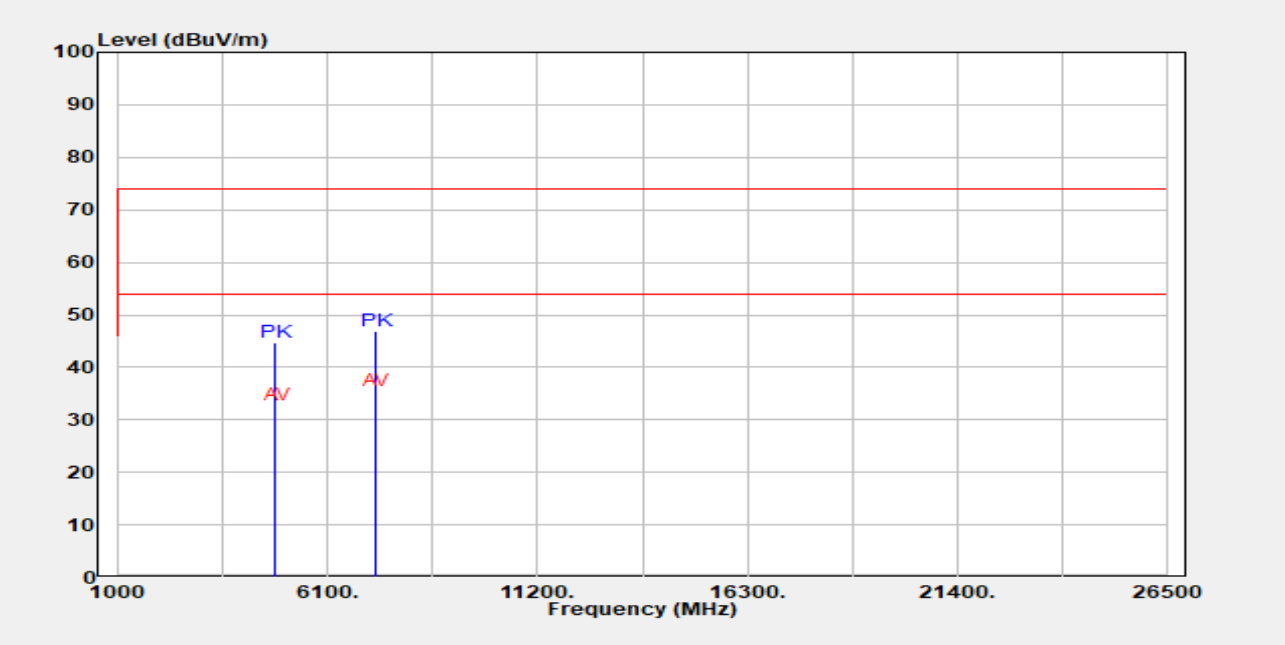
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n20	Test Date	:2025-09-15
Test Frequency	:2412 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4824.00	Peak	41.97	2.63	44.60	74.00	-29.40
4824.00	Average	30.20	2.63	32.83	54.00	-21.17
7236.00	Peak	39.72	7.18	46.90	74.00	-27.10
7236.00	Average	28.22	7.18	35.40	54.00	-18.60

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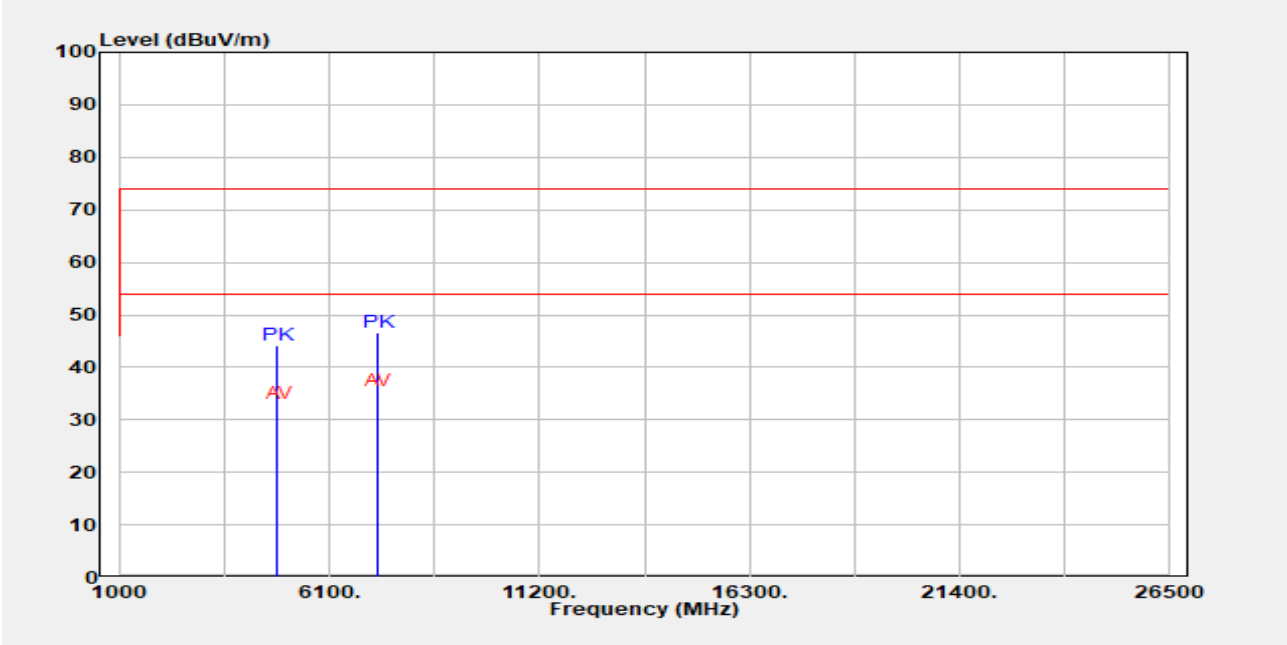
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n20	Test Date	:2025-09-15
Test Frequency	:2412 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4824.00	Peak	41.53	2.63	44.16	74.00	-29.84
4824.00	Average	30.39	2.63	33.02	54.00	-20.98
7236.00	Peak	39.57	7.18	46.75	74.00	-27.25
7236.00	Average	28.27	7.18	35.45	54.00	-18.55

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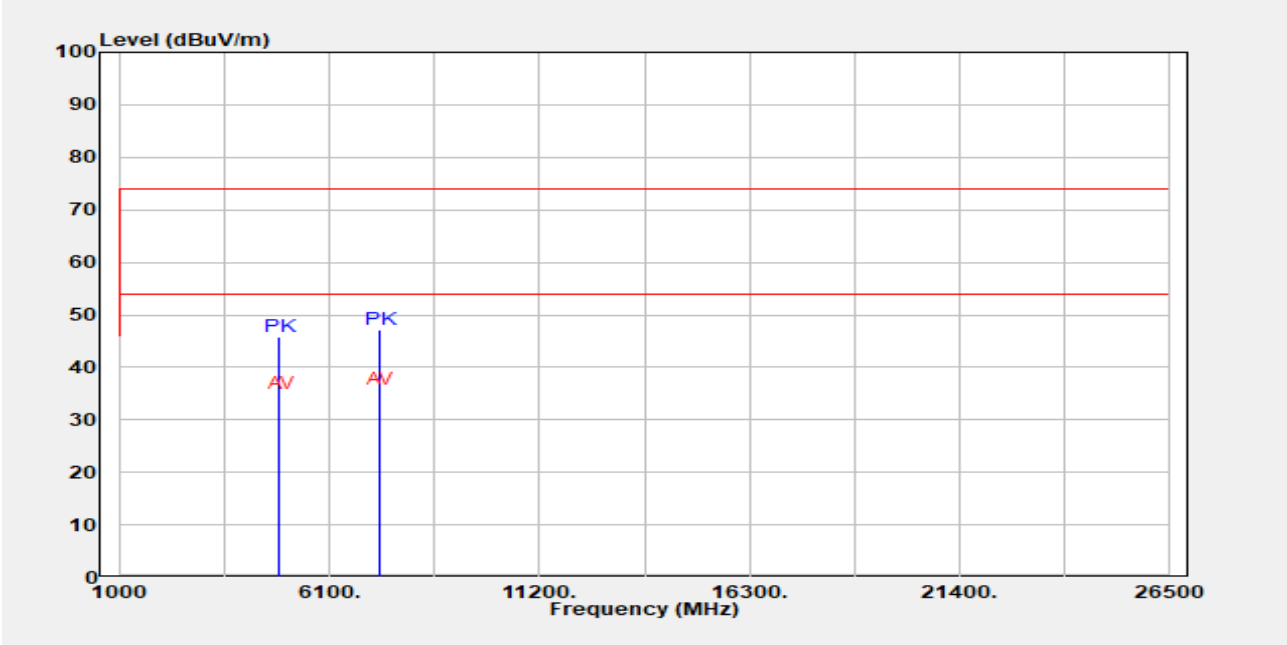
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n20	Test Date	:2025-09-15
Test Frequency	:2437 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4874.00	Peak	43.11	2.74	45.85	74.00	-28.15
4874.00	Average	32.18	2.74	34.92	54.00	-19.08
7311.00	Peak	39.90	7.34	47.24	74.00	-26.76
7311.00	Average	28.32	7.34	35.66	54.00	-18.34

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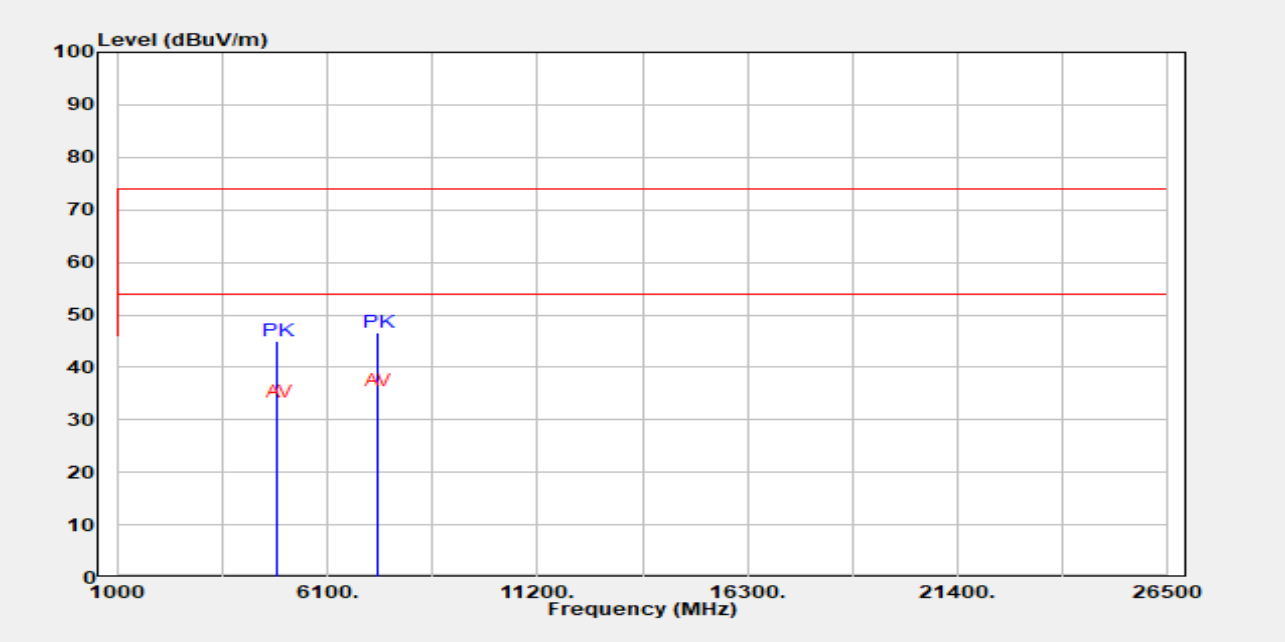
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n20	Test Date	:2025-09-15
Test Frequency	:2437 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4874.00	Peak	42.14	2.74	44.88	74.00	-29.12
4874.00	Average	30.62	2.74	33.36	54.00	-20.64
7311.00	Peak	39.29	7.34	46.63	74.00	-27.37
7311.00	Average	28.18	7.34	35.52	54.00	-18.48

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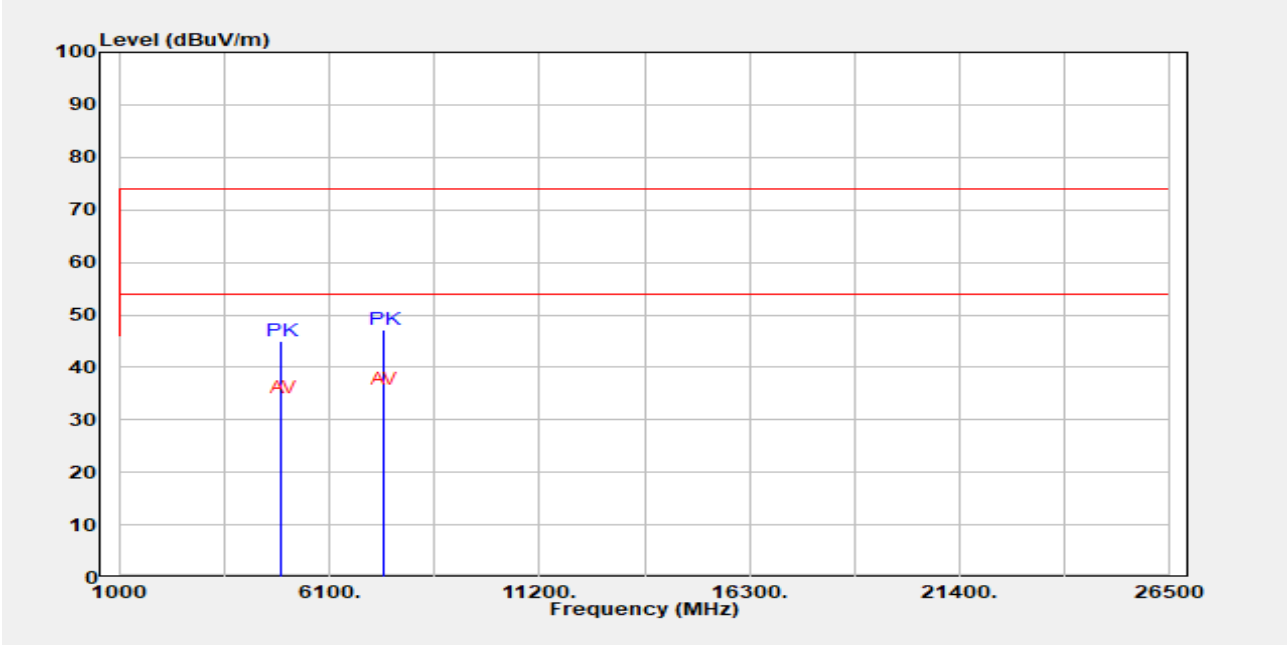
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n20	Test Date	:2025-09-15
Test Frequency	:2462 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Peak	42.20	2.88	45.08	74.00	-28.92
4924.00	Average	31.19	2.88	34.07	54.00	-19.93
7386.00	Peak	39.54	7.60	47.14	74.00	-26.86
7386.00	Average	28.17	7.60	35.77	54.00	-18.23

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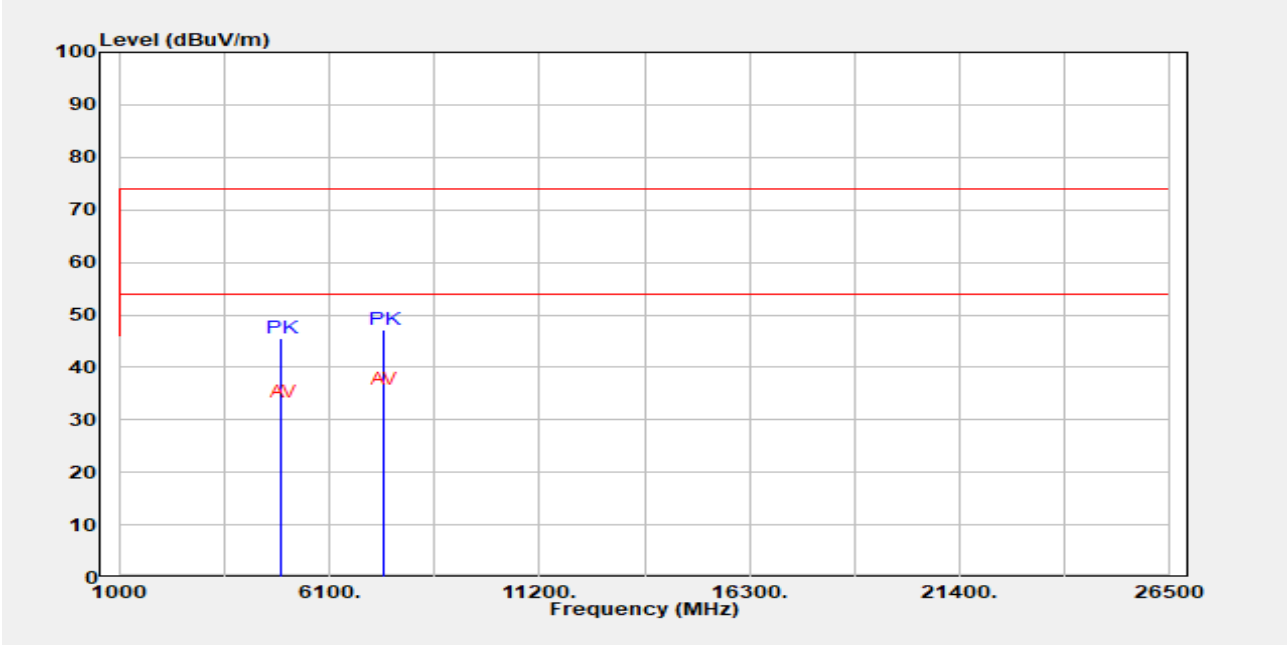
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n20	Test Date	:2025-09-15
Test Frequency	:2462 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Peak	42.56	2.88	45.44	74.00	-28.56
4924.00	Average	30.53	2.88	33.41	54.00	-20.59
7386.00	Peak	39.46	7.60	47.06	74.00	-26.94
7386.00	Average	28.14	7.60	35.74	54.00	-18.26

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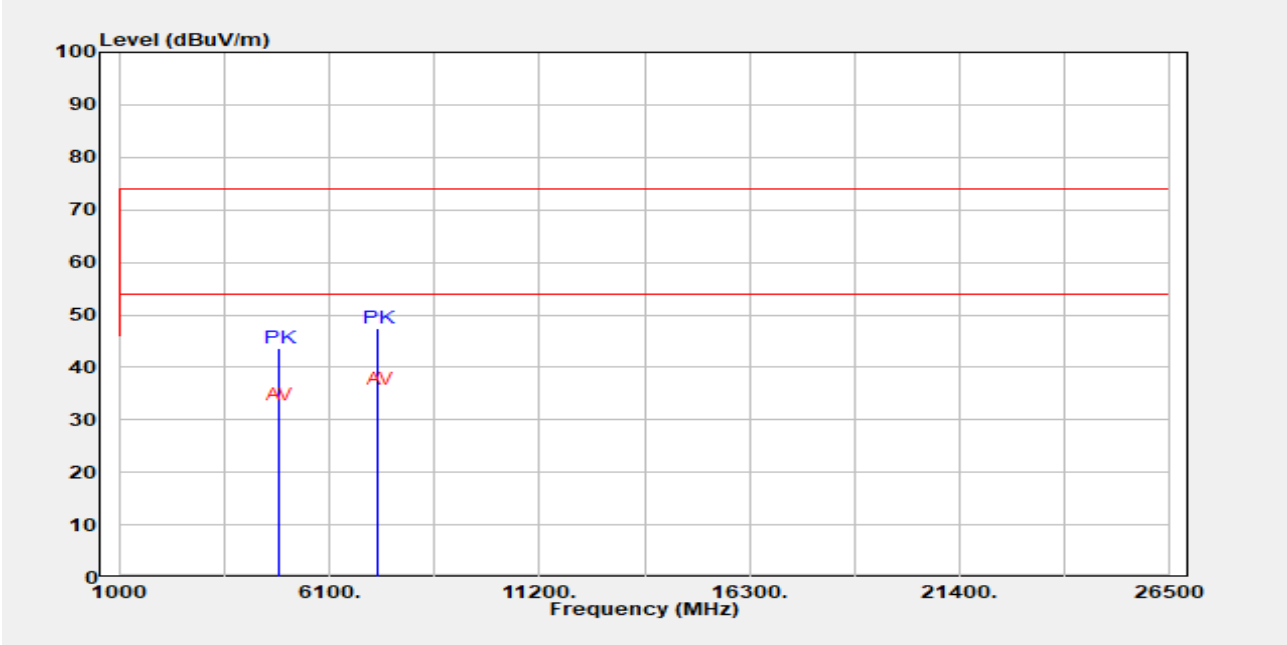
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n40	Test Date	:2025-09-16
Test Frequency	:2422 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4844.00	Peak	40.83	2.68	43.51	74.00	-30.49
4844.00	Average	30.22	2.68	32.90	54.00	-21.10
7266.00	Peak	40.07	7.28	47.35	74.00	-26.65
7266.00	Average	28.41	7.28	35.69	54.00	-18.31

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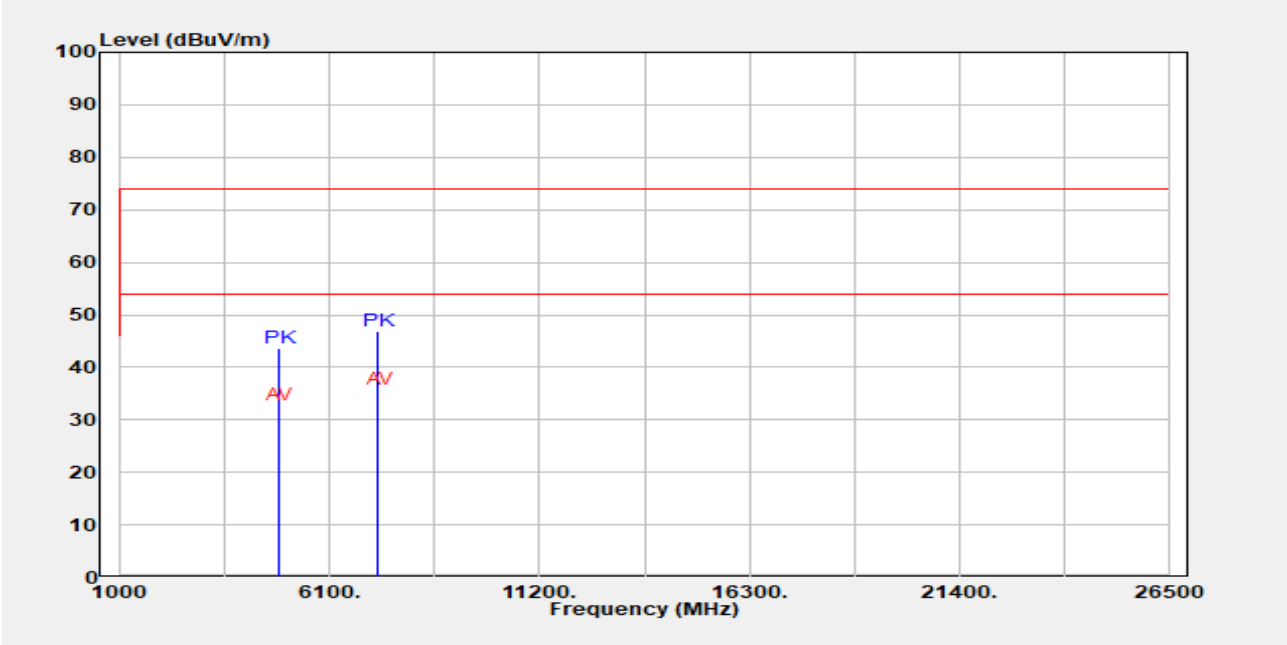
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n40	Test Date	:2025-09-16
Test Frequency	:2422 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4844.00	Peak	40.96	2.68	43.64	74.00	-30.36
4844.00	Average	30.18	2.68	32.86	54.00	-21.14
7266.00	Peak	39.73	7.28	47.01	74.00	-26.99
7266.00	Average	28.38	7.28	35.66	54.00	-18.34

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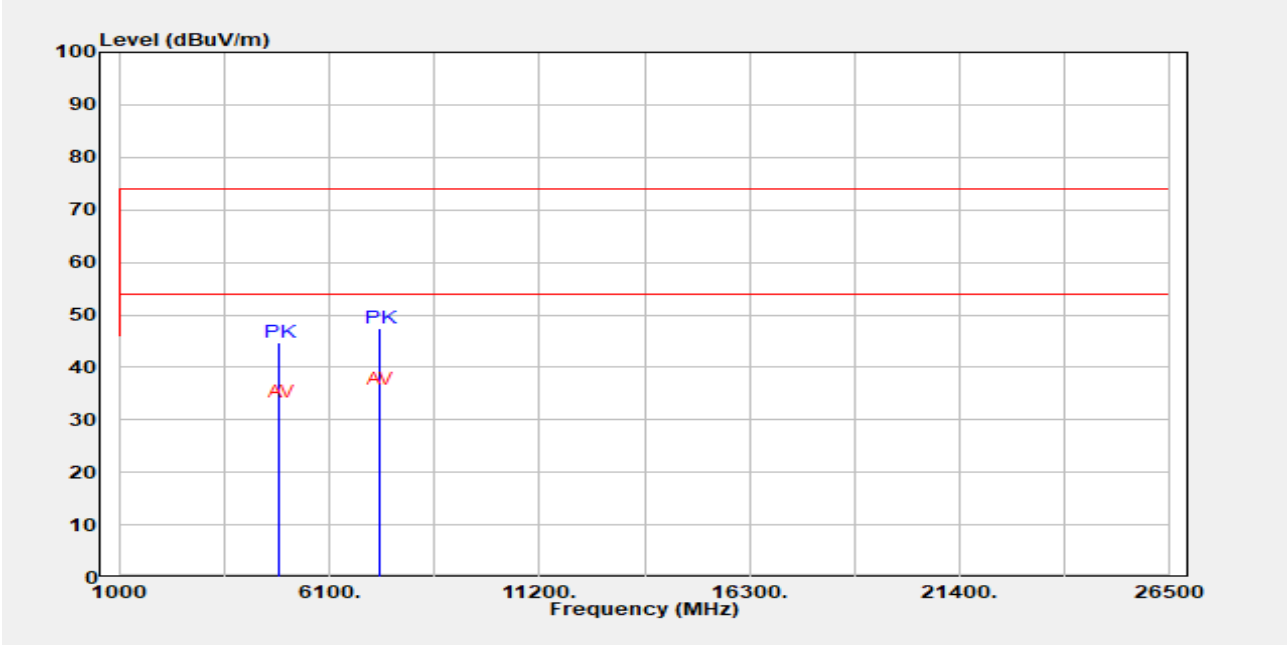
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n40	Test Date	:2025-09-16
Test Frequency	:2437 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4874.00	Peak	42.08	2.74	44.82	74.00	-29.18
4874.00	Average	30.69	2.74	33.43	54.00	-20.57
7311.00	Peak	40.04	7.34	47.38	74.00	-26.62
7311.00	Average	28.50	7.34	35.84	54.00	-18.16

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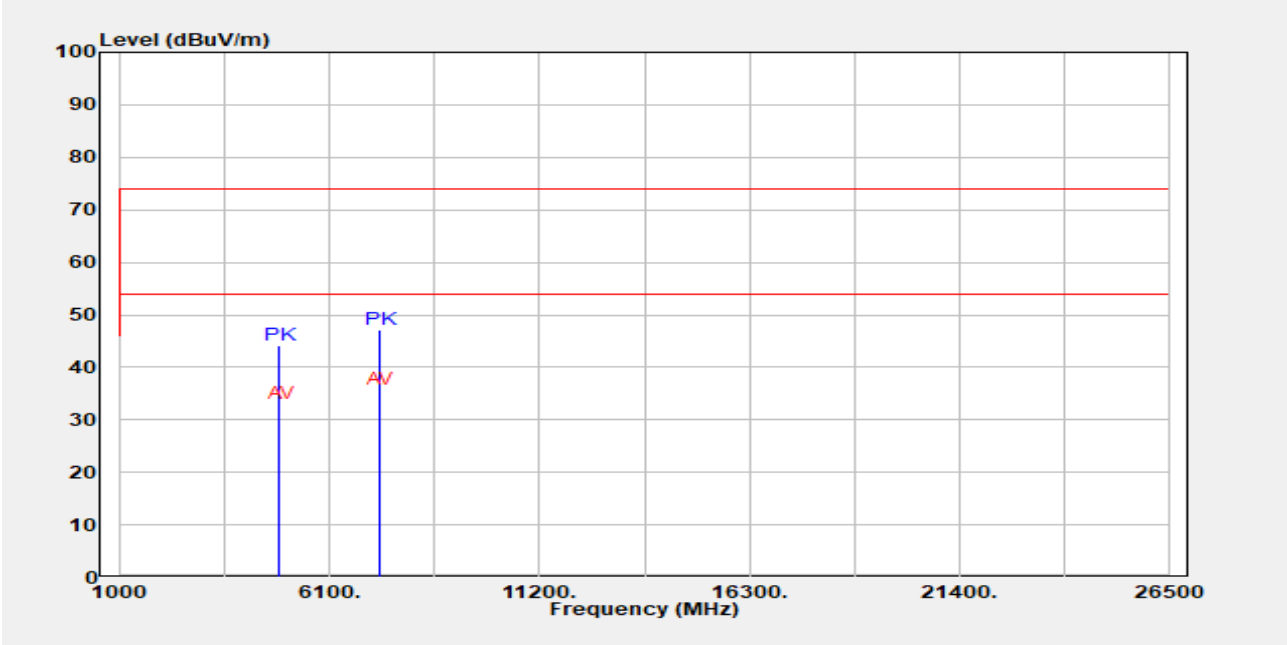
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n40	Test Date	:2025-09-16
Test Frequency	:2437 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4874.00	Peak	41.40	2.74	44.14	74.00	-29.86
4874.00	Average	30.32	2.74	33.06	54.00	-20.94
7311.00	Peak	39.69	7.34	47.03	74.00	-26.97
7311.00	Average	28.47	7.34	35.81	54.00	-18.19

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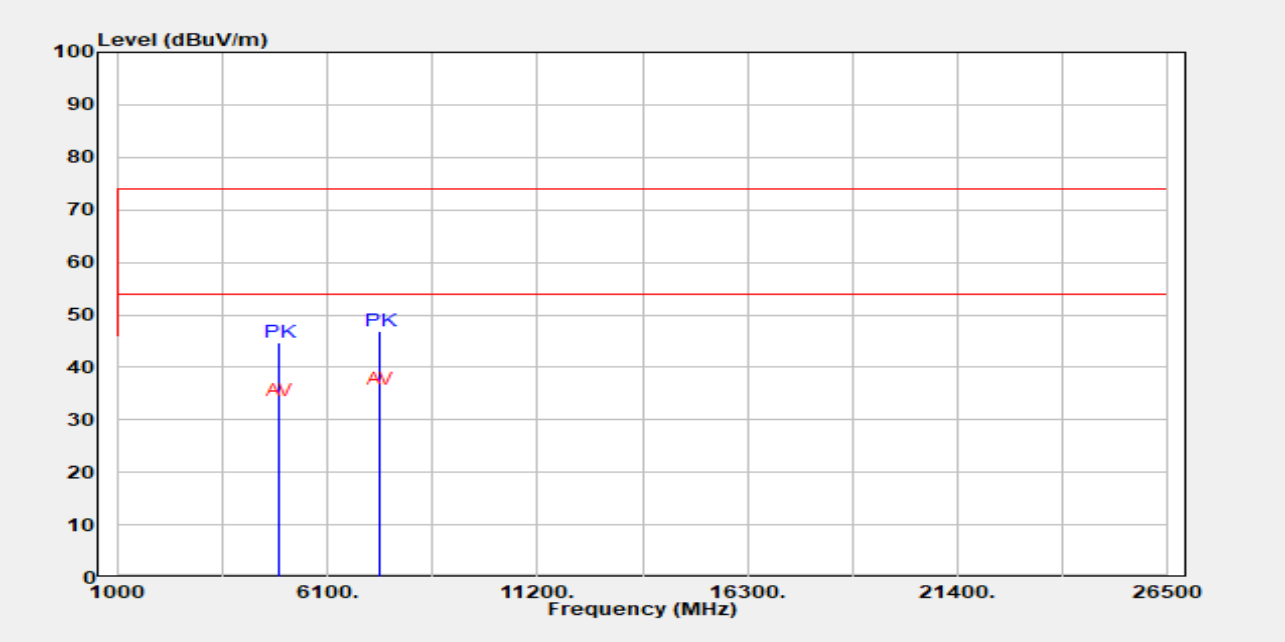
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n40	Test Date	:2025-09-16
Test Frequency	:2452 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4904.00	Peak	41.81	2.81	44.62	74.00	-29.38
4904.00	Average	30.72	2.81	33.53	54.00	-20.47
7356.00	Peak	39.54	7.46	47.00	74.00	-27.00
7356.00	Average	28.34	7.46	35.80	54.00	-18.20

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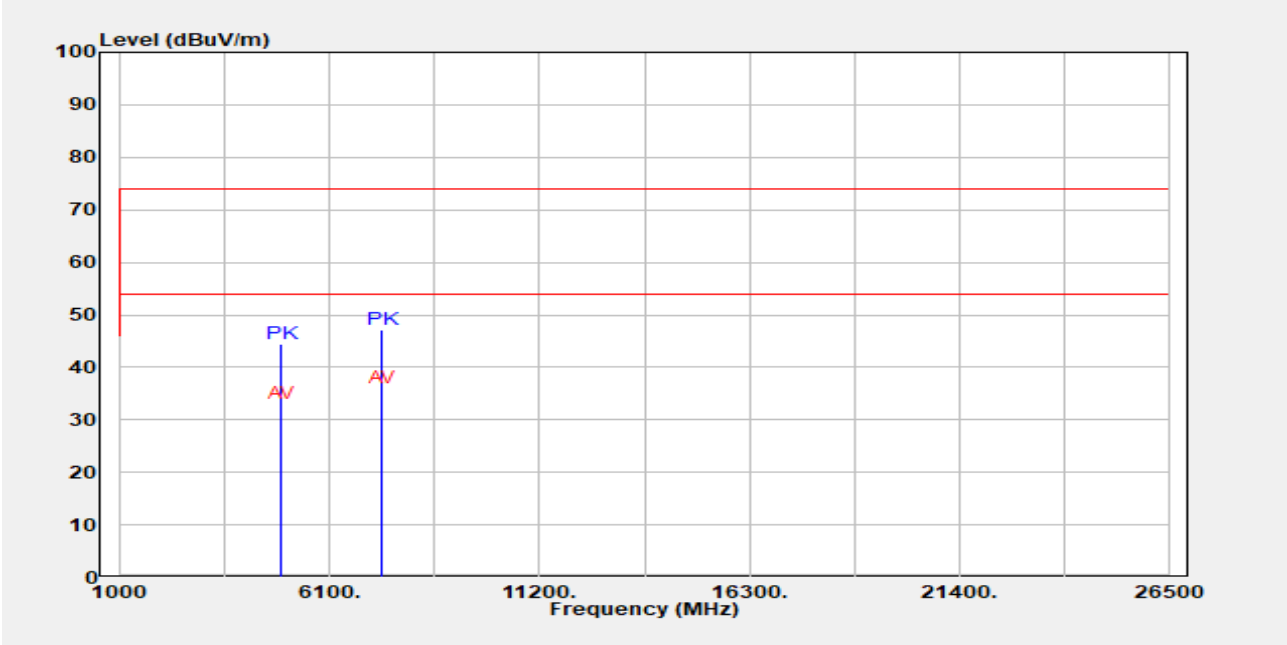
Report Number	:TERF2508002642ER	Test Site	:SAC 2
Operation Mode	:802.11n40	Test Date	:2025-09-16
Test Frequency	:2452 MHz	Temp./Humi.	:26.9℃/59%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Alex Hsu



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4904.00	Peak	41.64	2.81	44.45	74.00	-29.55
4904.00	Average	30.24	2.81	33.05	54.00	-20.95
7356.00	Peak	39.64	7.46	47.10	74.00	-26.90
7356.00	Average	28.46	7.46	35.92	54.00	-18.08

~ End of Report ~

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