

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT



EUT Description SX-SDMAX6E
Applicant: Silex Technology, Inc.
2-3-1 Hikaridai, Seika-cho, Soraku-gun, Kyoto 619-0237,
Japan
Manufacturer: Silex Technology, Inc.
2-3-1 Hikaridai, Seika-cho, Soraku-gun, Kyoto 619-0237,
Japan
Brand Name: Silex Technology
Model No./ISED HVIN: SX-SDMAX6E
ISED PMN: Embedded wireless module
Report Number: TERF2509002848ER
FCC ID N6C-SDMAX6E
IC: 4908A-SDMAX6E
Date of EUT Received: September 05, 2025
Date of Test: September 05, 2025 ~ March 09, 2026
Issue Date: March 13, 2026

CHUN-CHIEH, CHEN

Approved By

Chun Chieh Chen

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 and the energy emitted by the sample EUT comply with FCC rule part §15.247 and §15.407, ISED RSS-247.

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

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2509002848ER	00	Original	March 13, 2026	Yuri Tsai	

Note:

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

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Table of Contents

1	GENERAL INFORMATION	4
1.1	Product Description	4
1.2	EUT Availability and The Worst Test Modes	5
2	SUMMARY OF TEST RESULT	7
2.1	Test Methodology of Applied Standards.....	7
2.2	Measurement Uncertainty	8
2.3	Test Facility	9
3	Control Unit(s) and peripheral(s).....	10
3.1	EUT Exercise	10
3.2	Diagrams.....	10
3.3	List	10
4	TEST INSTRUMENT	11
4.1	Radiated Measurement	11
5	REGULATORY REQUIREMENTS	12
5.1	Unwanted Emission.....	12
6	TEST CONFIGURATION	14
6.1	Unwanted Emission.....	14
7	TEST RESULTS.....	18
7.1	Unwanted Emission.....	18

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1 GENERAL INFORMATION

1.1 Product Description

EUT Description	SX-SDMAX6E
Brand Name:	Silex Technology
Model No./ISED HVIN:	SX-SDMAX6E
Hardware Version:	PW105790
Firmware Version:	HY105790
Power Supply:	3.3 Vdc
Test Software (Name/Version)	Tera Term Version 4.83

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1.2 EUT Availability and The Worst Test Modes

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

Test mode

Final test modes are considering the modulation and worse data rate as below table.

TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz)				
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	PACKET TYPE
Bluetooth	0 to 78	39	GFSK	3DH5
TRANSMIT RADIATED EMISSION TEST (ABOVE 1 GHz)				
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	PACKET TYPE
Bluetooth	0 to 78	0,39,78	8-DPSK	3DH5

TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz)							
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)		ANTENNA PORT	
802.11n_HT20	1 to 11	6	OFDM	6		2TX	
TRANSMIT RADIATED EMISSION TEST (ABOVE 1 GHz)							
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)		ANTENNA PORT	
802.11n_HT20	1 to 11	6	OFDM	MCS0		2TX	
TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz)							
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT	
802.11ax_HE20	5845~5885	169 to 177	173	OFDM	6	ch0	
TRANSMIT RADIATED EMISSION TEST (ABOVE 1 GHz)							
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	RU CONFIGURATION	DATA RATE (Mbps)	ANTENNA PORT
802.11ax_HE20	5845~5885	169 to 177	173	OFDMA	FULL RU	MCS0	2TX

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Mode	Bluetooth	WLAN 1	WLAN 2
1	BT(EDR)	WLAN 2.4GHz (802.11n20_2TX)	N/A
2	BT(EDR)	WLAN 5GHz (802.11ax20_2TX)	N/A
3	BT	WLAN 5GHz (802.11ax20_1TX)	WLAN 2.4GHz (802.11n20_1TX)
4	BT	WLAN 5GHz (802.11ax20_2TX)	WLAN 2.4GHz (802.11n20_1TX)

Note:

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

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2 SUMMARY OF TEST RESULT

FCC Rules	ISED Rules	Description Of Test	Result
§15.205 §15.209 §15.247(d) §15.407(b)	RSS-247 §6.6 RSS-Gen §8.9 RSS-Gen 8.10 RSS-247 §7.3.1.3 (UNII-1) RSS-247 §7.3.2.3&7.3.2.4 (UNII-2A) RSS-247 §7.3.3.3 (UNII-2C) RSS-247 §7.3.4.4 (UNII-3) RSS-247 §7.3.5.4 (UNII-4)	Undesirable Radiated Emissions	Compliant

2.1 Test Methodology of Applied Standards

FCC Part 15, Subpart C §15.247

FCC Part 15, Subpart E §15.407

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

FCC KDB 291074 D02 EMC Measurement v01

RSS-247 issue 4 July 2025

RSS-Gen, Issue 5 April 2018, Amendment 2 (February 2021)

ANSI C63.10-2020

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024

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2.2 Measurement Uncertainty

Test Items	Uncertainty
AC Power Line Conducted Emission	+/- 1.54 dB
Emission Bandwidth	+/- 1.38 Hz
Output Power measurement	+/- 0.97 dB
Peak Power Spectral Density Measurement	+/- 0.61 dB
Frequency Stability	+/- 1.48 Hz
Temperature	+/- 0.6 °C
Humidity	+/- 3 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty			
Polarization: Vertical	+/-	1.89 dB	9kHz~30MHz
	+/-	4.1 dB	30MHz - 1000MHz
	+/-	3.37 dB	1GHz - 18GHz
	+/-	3.83 dB	18GHz - 40GHz
Polarization: Horizontal	+/-	1.89 dB	9kHz~30MHz
	+/-	4.1 dB	30MHz - 1000MHz
	+/-	3.37 dB	1GHz - 18GHz
	+/-	3.83 dB	18GHz - 40GHz
Radiated Spurious Emission	+/-	2 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	ISED CAB identifier/ Company Number
TW3702 / 4620A	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1	TW0027 / 891563	TW3702 / 4620A
		SAC 2		
		SAC 3		
		Conduction 1		
		Conducted 1		
		Conducted 2		
		Conducted 3		
		Conducted 4		
		Conducted 5		
		Conducted 6		
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction C	TW0028 / 200037	TW3702 / 4620E
		SAC C		
		SAC D		
		SAC G		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
		Conducted G		

Note: The test site name is noted on the equipment list to indicate where the measurements were conducted.

Measurement	Test Site Name	Test Engineer	EUT S/N	Test Environment	Test Date
Radiated	SAC 1	WJ Lin	SX09801	21~25°C / 52~58%	2026/03/03 ~ 2026/03/09

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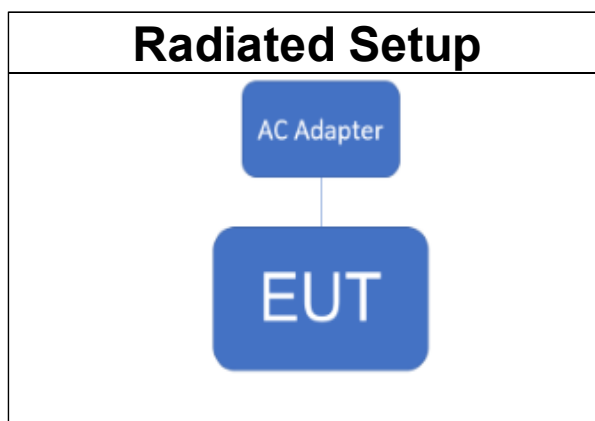
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3 CONTROL UNIT(S) AND PERIPHERAL(S)

3.1 EUT Exercise

1. An engineering test mode provided by the applicant was used to control the EUT transmission, test channel, and modulation.
2. The spectrum analyzer offset was set to compensate for RF cable loss and attenuation between the EUT and the analyzer, ensuring the reading reflects the actual RF output level. Duty factor compensation was also applied where applicable.

3.2 Diagrams



3.3 List

Radiated Emission Test Site: SAC 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
AC Adapter	Shenzhen Putuo	PT-WC-13	N/A	N/A	N/A

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4 TEST INSTRUMENT

4.1 Radiated Measurement

Radiated Emission Test Site: SAC 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
4G High Pass Filter	WI	WHKX4.0	23	12/07/2025	12/06/2026
7G High Pass Filter	WI	WHKX7.0	45	12/07/2025	12/06/2026
Band Reject Filter 2400-2483.5	Titan	T04N2400248350S0 1	23040703-10	12/07/2025	12/06/2026
Band Reject Filter 5725-5895	Titan	T04N5725589550S0 1	211112-2-7	12/07/2025	12/06/2026
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT-N0555	12/23/2025	12/22/2026
Coaxial Cable	EMCI	EMC104-SM-SM- 8000+EMC106-SM- SM-7600	RX Cable 9K- 18G(160125+15081 7)	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
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY60242081	10/29/2025	10/28/2026
Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	08/07/2025	08/06/2026
Horn Antenna	SCHWARZBECK	BBHA9120D	D803	01/23/2026	01/22/2027
Loop Antenna	COM-POWER	AL-130R	10160104	12/30/2025	12/29/2026
Pre-Amplifier	EMCI	EMC118A45SEE	980933	07/14/2025	07/13/2026
Pre-Amplifier	EMCI	EMC184045SEE	980939	07/14/2025	07/13/2026
Pre-Amplifier	HP	8447D	2944A09469	07/14/2025	07/13/2026
Site Cal	SGS	SAC 1	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 Unwanted Emission

5.1.1 5150~5850 MHz

Standards	Operation Freq. (MHz)	EIRP		Field Strength @ 3m (dBμV/m)
		Freq. (MHz)	Limits (dBm/MHz)	
15.407(b)(1) RSS-247 §7.3.1.3	5150~5250	f ≤ 5150 f ≥ 5350	PK: -27	PK: 68.2
15.407(b)(2) RSS-247 §7.3.2.3 RSS-247 §7.3.2.4	5250~5350			
15.407(b)(3) RSS-247 §7.3.3.3	5475~5725			
15.407(b)(4)(i) RSS-247 §7.3.4.4	5725~5850	at 75 MHz or more above or below the band edge	PK:-27	PK: 68.2
		increasing linearly from 75~25MHz above or below the band edge	PK:-27~10	PK: 68.2~105.2
		increasing linearly from 25~5MHz above or below the band edge	PK:10~15.6	PK: 105.2~110.8
		increasing linearly from 5~0 MHz above or below the band edge	PK: 15.6~27	PK:110.8~122.2

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

ISED:

- For 5150-5250MHz, any unwanted emissions that falls between the upper edge of the 26 dB bandwidth and 5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth.
- For 5250-5350MHz, all emissions inside the band 5150-5250 MHz shall either:
 - not exceed -27 dBm/MHz peak e.i.r.p spectral density, or
 - comply with the power spectral density limits for operation.
- For 5470-5725MHz, for devices with bandwidth overlapping the band edge of 5725 MHz, all unwanted emissions shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density at 5850 MHz instead of 5725 MHz.

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5.1.2 5850~5925 MHz

Applicable to	Operation Freq. (MHz)	ETU categories	EIRP		Field Strength @ 3m (dBμV/m)
			Freq. (MHz)	Limits (dBm/MHz)	
RSS-247 §7.3.5.4	5850~5895 or channel span cross 5725~5895	Fixed outdoor access points and fixed outdoor client devices	decrease linealy from 5895 ~ 5925MHz and above	PK: -7 AV:-27	PK: 88 AV: 68
15.407(b)(5)(i) RSS-247 §7.3.5.4		indoor AP or subordinate device		PK:35~13 AV:15~-7	PK:130~108 AV:110~88
15.407(b)(5)(ii) RSS-247 §7.3.5.4		Client device		PK:15~-7 AV:-5~-27	PK:110~88 AV:90~68
15.407(b)(5)(iii) RSS-247 §7.3.5.4		Client / indoor AP / subordinate device	At or below 5650	PK:-27	PK:68
			increasing linearly from 5650~5700	PK:-27~10	PK:68~105
			increasing linearly from 5700~5720	PK:10~15.6	PK:105~110.6
			increasing linearly from 5720~5725	PK:15.6~27	PK:110.6~122

5.1.3 Spurious Emission

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

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

Note: The lower limit shall apply at the transition frequencies.

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6 TEST CONFIGURATION

6.1 Unwanted Emission

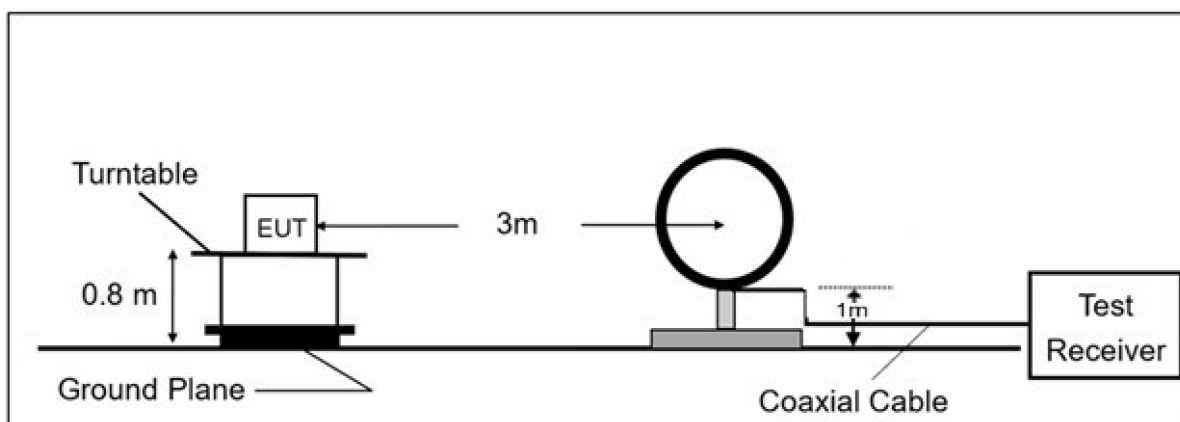
6.1.1 Radiated Emission Test Sites

For Measurements From 9 kHz To 30 MHz

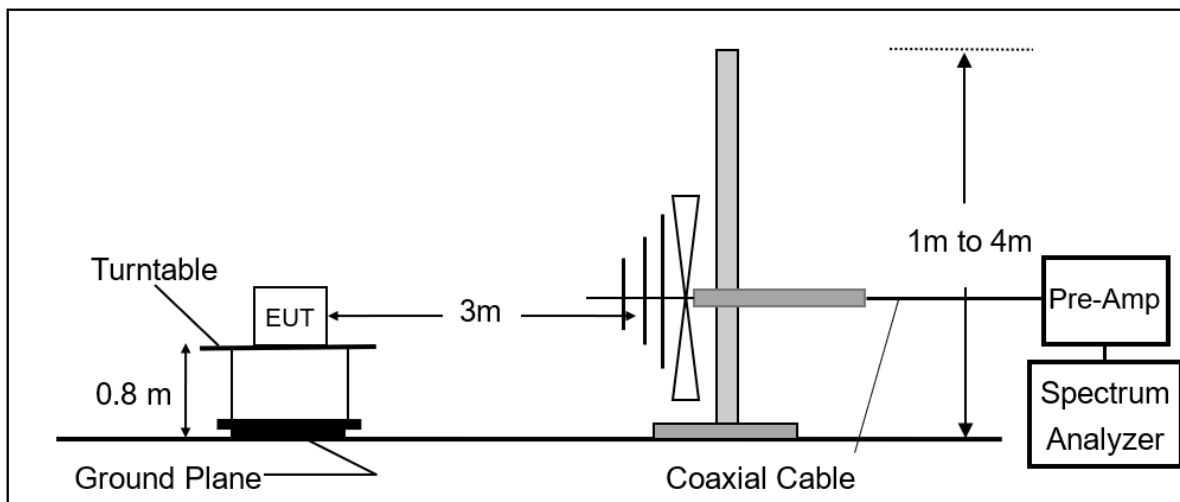
Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

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

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



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



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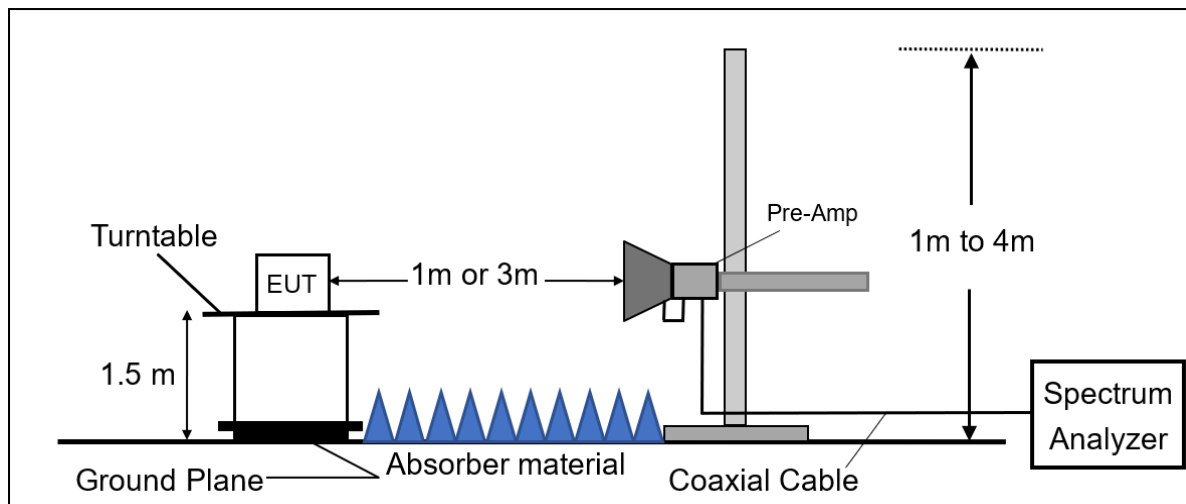
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Radiated Emission Test Set-Up, Frequency Above 1GHz



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1. The EUT was placed on a turn table with 0.8m for frequency < 1GHz and 1.5m for frequency > 1GHz above ground plane.
2. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
4. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz.
5. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
6. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz, Detector= Peak for Maximum Emission Measurements at frequency above 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz, Detector= RMS correction factor is $[10 \log (1 / D)]$ for Average Emission measurements at frequency above 1 GHz **when $D \geq 98\%$** . If a specific emission is demonstrated to be continuous ($D \geq 98\%$) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission, where D is the duty cycle.
8. Set the spectrum analyzer as RBW=1 MHz, VBW $\geq 1/T$, Detector= Peak **when $D < 98\%$** for Average Emission Measurements at frequency above 1 GHz.
9. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
12. Repeat above procedures until all frequency measured were complete.

Note: The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not reported.

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6.1.2 Field Strength Calculation

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

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

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

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

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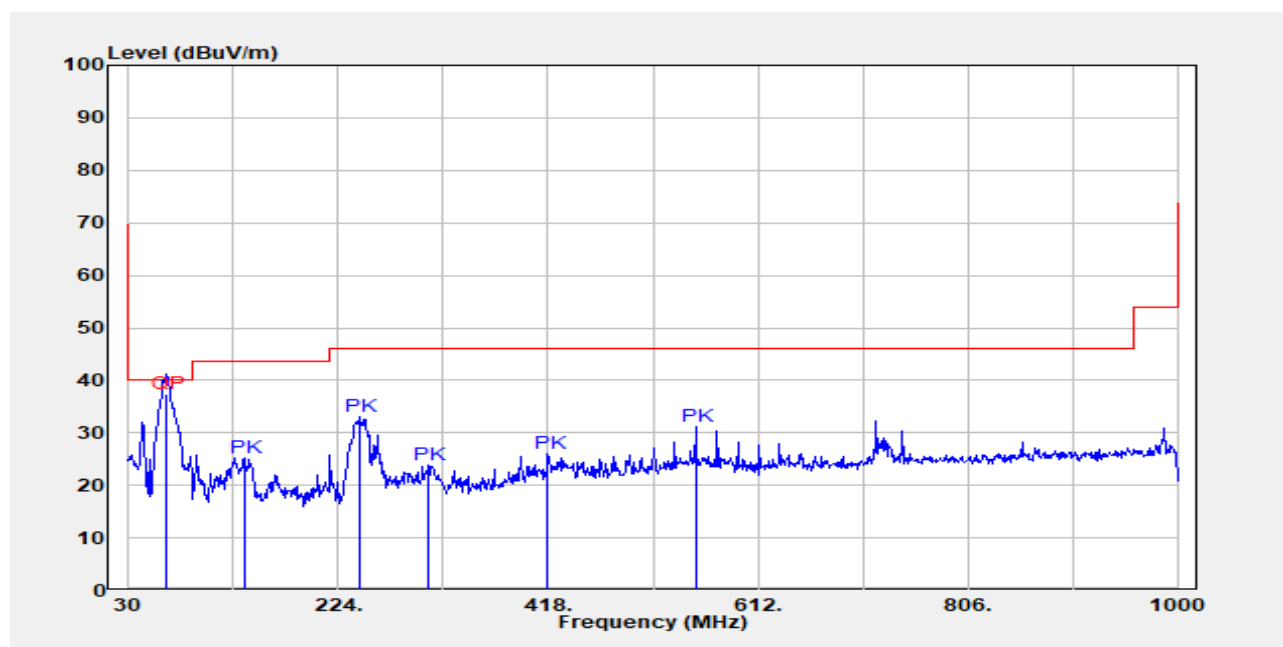
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7 TEST RESULTS

7.1 Unwanted Emission

7.1.1 Spurious Emission

Report Number	:TERF2509002848ER	Test Site	:SAC 1
Operation Mode	:EDR + 802.11n20	Test Date	:2026-03-03
Test Frequency	:2402 MHz + 2437 MHz(2Tx)	Temp./Humi.	:22.5°C/55%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:H Plane	Engineer	:WJ Lin



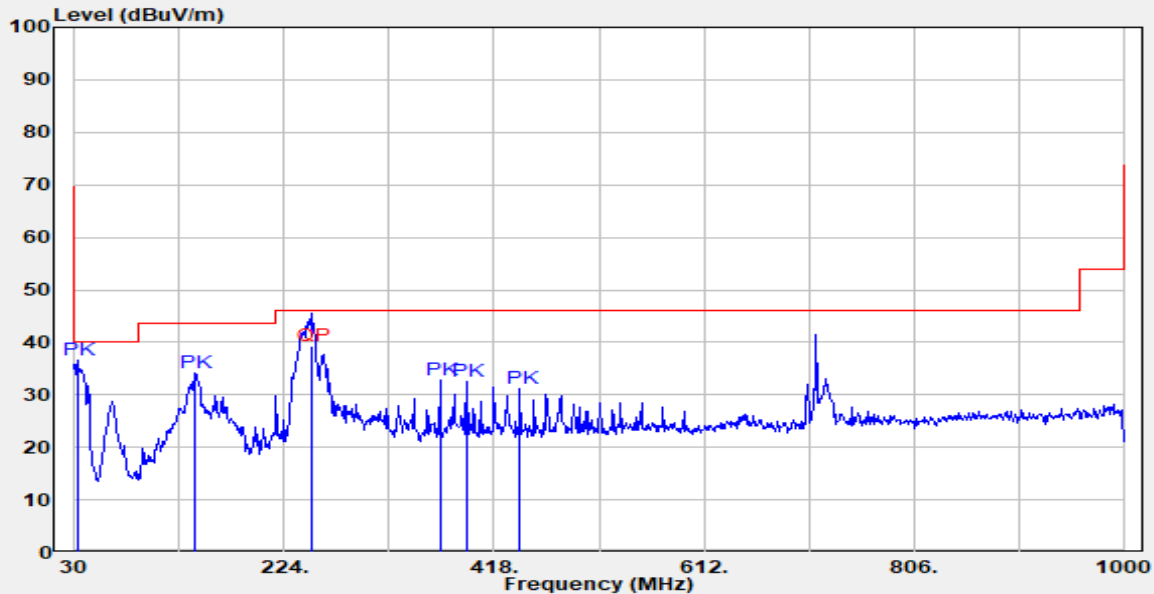
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
64.92	QP	55.05	-17.70	37.35	40.00	-2.65
136.70	Peak	37.08	-11.83	25.25	43.50	-18.25
243.40	Peak	43.80	-10.68	33.12	46.00	-12.88
307.42	Peak	32.54	-8.58	23.96	46.00	-22.04
418.00	Peak	31.80	-5.86	25.94	46.00	-20.06
554.77	Peak	34.72	-3.67	31.05	46.00	-14.95

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Report Number :TERF2509002848ER
 Operation Mode :EDR + 802.11n20
 Test Frequency :2402 MHz + 2437 MHz(2Tx)
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 1
 Test Date :2026-03-03
 Temp./Humi. :22.5°C/55%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



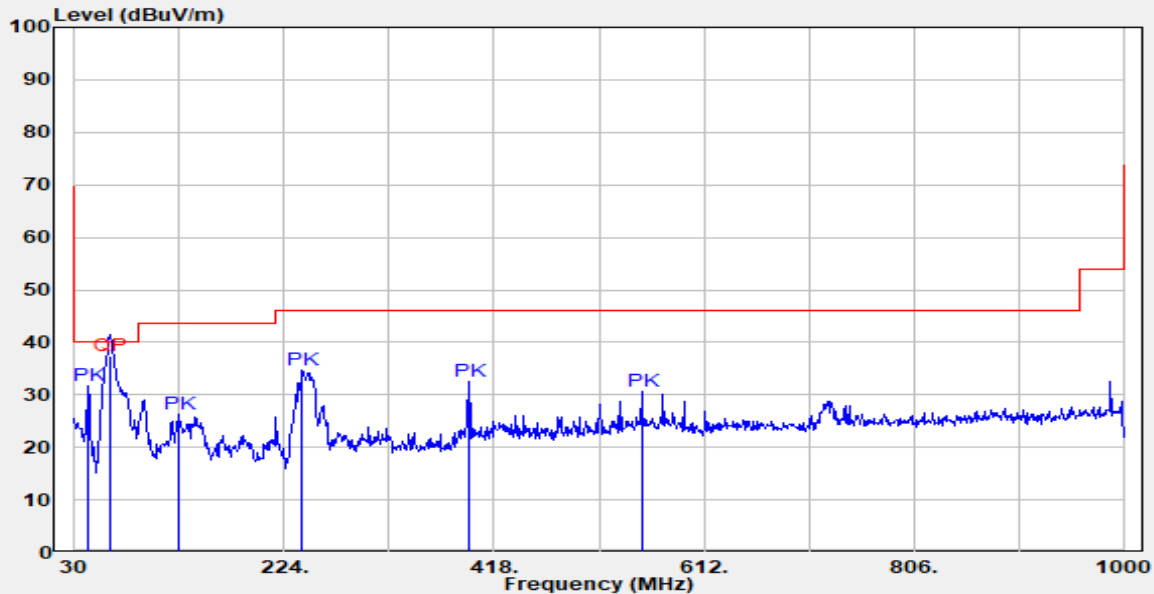
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
32.91	Peak	42.84	-6.37	36.47	40.00	-3.53
140.58	Peak	46.10	-12.08	34.02	43.50	-9.48
249.22	QP	49.13	-9.94	39.19	46.00	-6.81
368.53	Peak	40.21	-7.50	32.71	46.00	-13.29
392.78	Peak	39.19	-6.80	32.39	46.00	-13.61
442.25	Peak	36.93	-5.89	31.04	46.00	-14.96

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Report Number :TERF2509002848ER
 Operation Mode :EDR + 802.11ax20
 Test Frequency :2402 MHz + 5865 MHz(2Tx)
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 1
 Test Date :2026-03-03
 Temp./Humi. :22.5°C/55%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



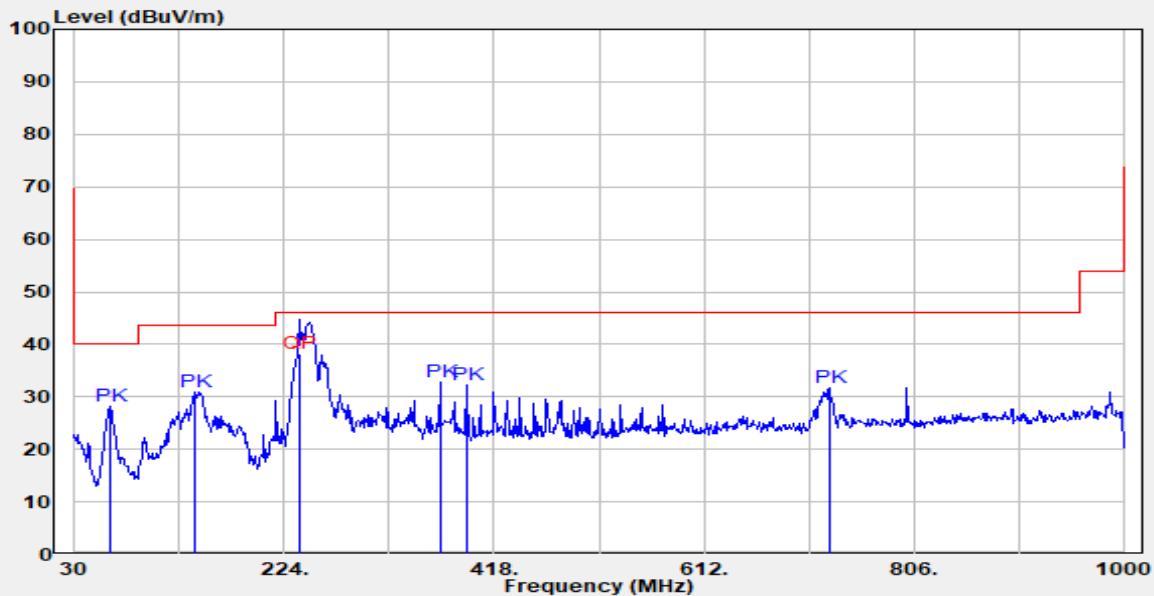
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
42.61	Peak	43.47	-11.68	31.79	40.00	-8.21
62.01	QP	55.34	-17.92	37.42	40.00	-2.58
127.00	Peak	37.78	-11.46	26.32	43.50	-17.18
240.49	Peak	45.86	-11.05	34.81	46.00	-11.19
394.72	Peak	39.21	-6.73	32.48	46.00	-13.52
554.77	Peak	34.17	-3.67	30.50	46.00	-15.50

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Report Number :TERF2509002848ER
 Operation Mode :EDR + 802.11ax20
 Test Frequency :2402 MHz + 5865 MHz(2Tx)
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 1
 Test Date :2026-03-03
 Temp./Humi. :22.5°C/55%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin

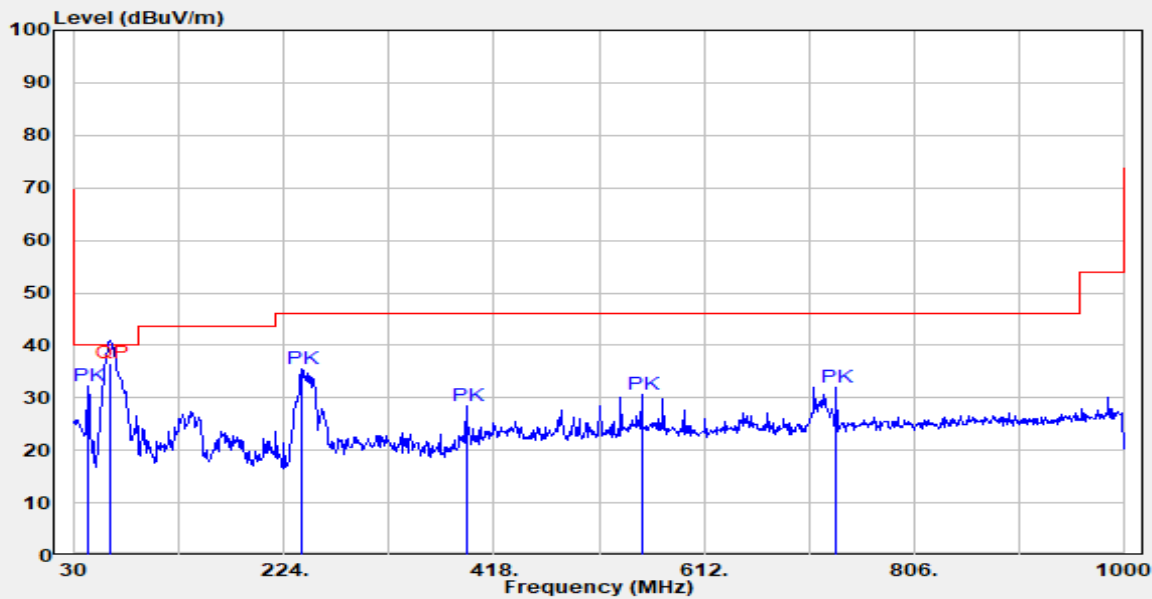


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
62.01	Peak	46.20	-17.92	28.28	40.00	-11.72
141.55	Peak	43.03	-12.04	30.99	43.50	-12.51
237.58	QP	49.52	-11.36	38.16	46.00	-7.84
368.53	Peak	40.18	-7.50	32.68	46.00	-13.32
392.78	Peak	39.12	-6.80	32.32	46.00	-13.68
728.40	Peak	33.86	-2.06	31.80	46.00	-14.20

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Report Number	:TERF2509002848ER	Test Site	:SAC 1
Operation Mode	:EDR + 802.11n20 + 802.11ax20	Test Date	:2026-03-03
Test Frequency	:2402 MHz + 2437 MHz(1Tx) + 5865 MHz(1Tx)	Temp./Humi.	:22.5°C/55%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:H Plane	Engineer	:WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
42.61	Peak	44.02	-11.68	32.34	40.00	-7.66
62.98	QP	54.54	-17.92	36.62	40.00	-3.38
239.52	Peak	46.62	-11.16	35.46	46.00	-10.54
392.78	Peak	35.21	-6.80	28.41	46.00	-17.59
554.77	Peak	34.31	-3.67	30.64	46.00	-15.36
734.22	Peak	33.88	-1.96	31.92	46.00	-14.08

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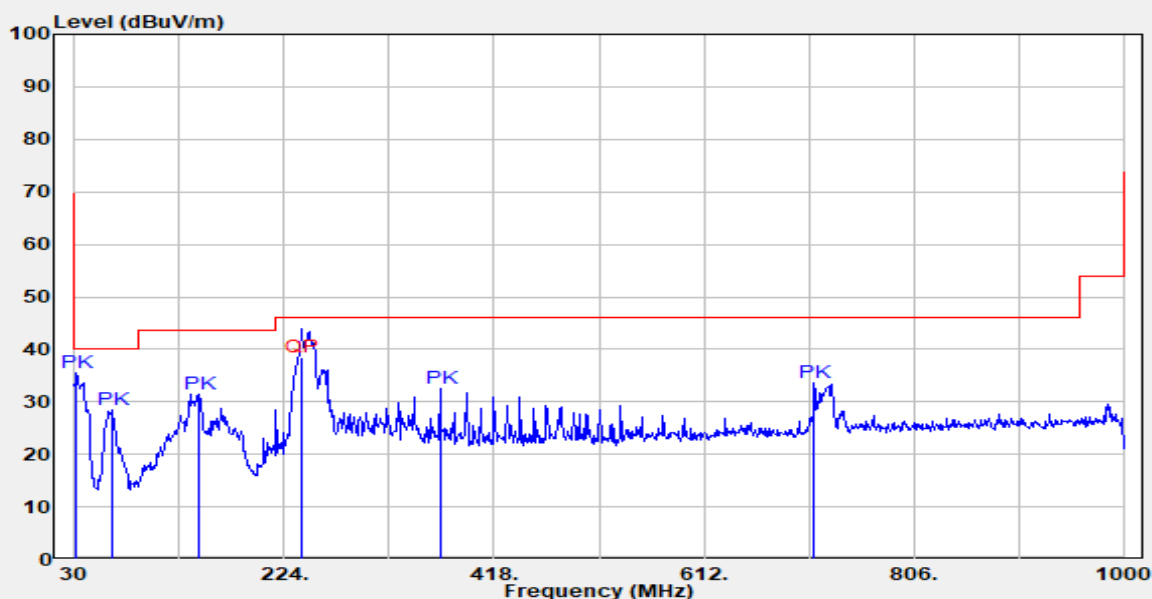
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Report Number	:TERF2509002848ER	Test Site	:SAC 1
Operation Mode	:EDR + 802.11n20 + 802.11ax20	Test Date	:2026-03-03
Test Frequency	:2402 MHz + 2437 MHz(1Tx) + 5865 MHz(1Tx)	Temp./Humi.	:22.5°C/55%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:H Plane	Engineer	:WJ Lin

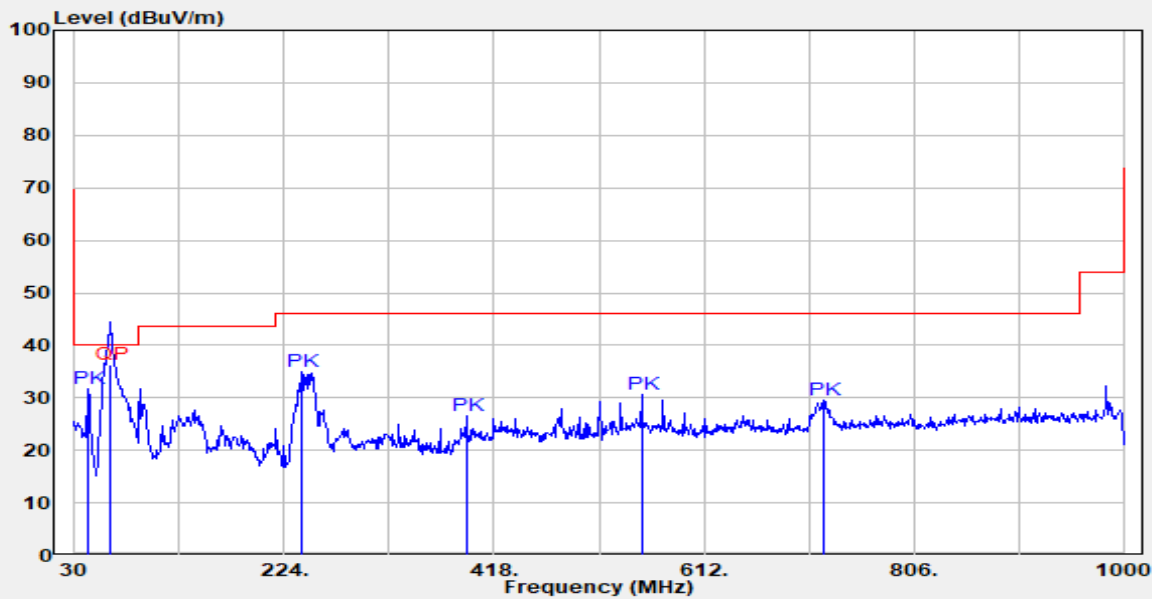


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
31.94	Peak	41.59	-6.01	35.58	40.00	-4.42
63.95	Peak	46.27	-17.72	28.55	40.00	-11.45
145.43	Peak	43.74	-12.30	31.44	43.50	-12.06
239.52	QP	49.77	-11.16	38.61	46.00	-7.39
368.53	Peak	39.95	-7.50	32.45	46.00	-13.55
713.85	Peak	36.17	-2.56	33.61	46.00	-12.39

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Report Number	:TERF2509002848ER	Test Site	:SAC 1
Operation Mode	:EDR + 802.11n20 + 802.11ax20	Test Date	:2026-03-03
Test Frequency	:2402 MHz + 2437 MHz(1Tx) + 5865 MHz(2Tx)	Temp./Humi.	:22.5°C/55%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:H Plane	Engineer	:WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
42.61	Peak	43.26	-11.68	31.58	40.00	-8.42
62.98	QP	54.22	-17.92	36.30	40.00	-3.70
240.49	Peak	45.96	-11.05	34.91	46.00	-11.09
392.78	Peak	33.40	-6.80	26.60	46.00	-19.40
554.77	Peak	34.19	-3.67	30.52	46.00	-15.48
722.58	Peak	31.75	-2.27	29.48	46.00	-16.52

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台灣檢驗科技股份有限公司

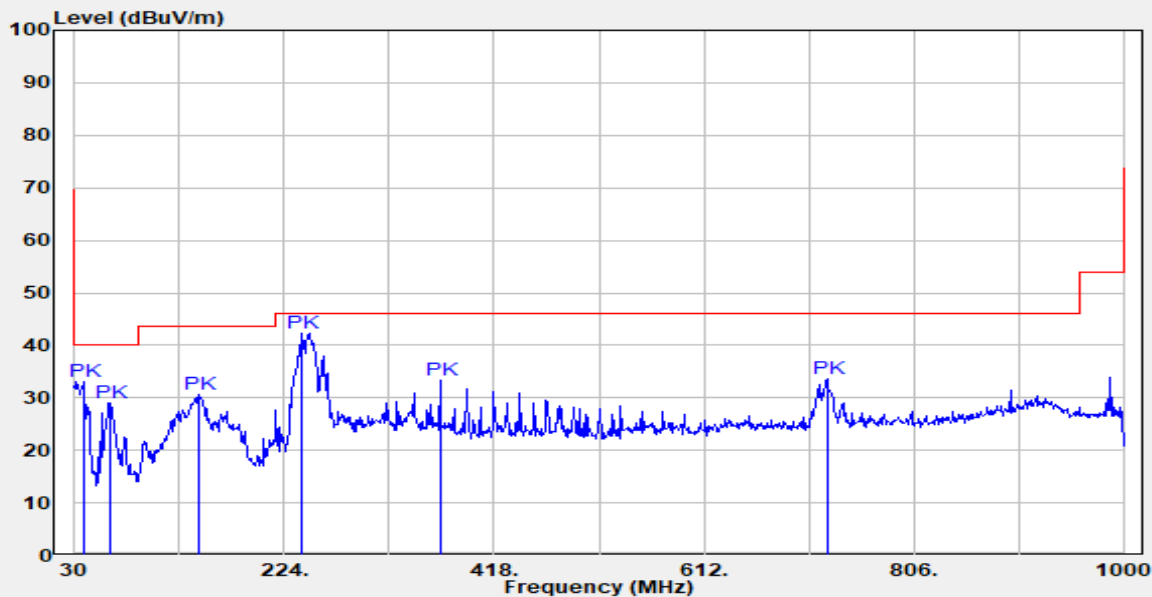
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Report Number	:TERF2509002848ER	Test Site	:SAC 1
Operation Mode	:EDR + 802.11n20 + 802.11ax20	Test Date	:2026-03-03
Test Frequency	:2402 MHz + 2437 MHz(1Tx) + 5865 MHz(2Tx)	Temp./Humi.	:22.5°C/55%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:H Plane	Engineer	:WJ Lin



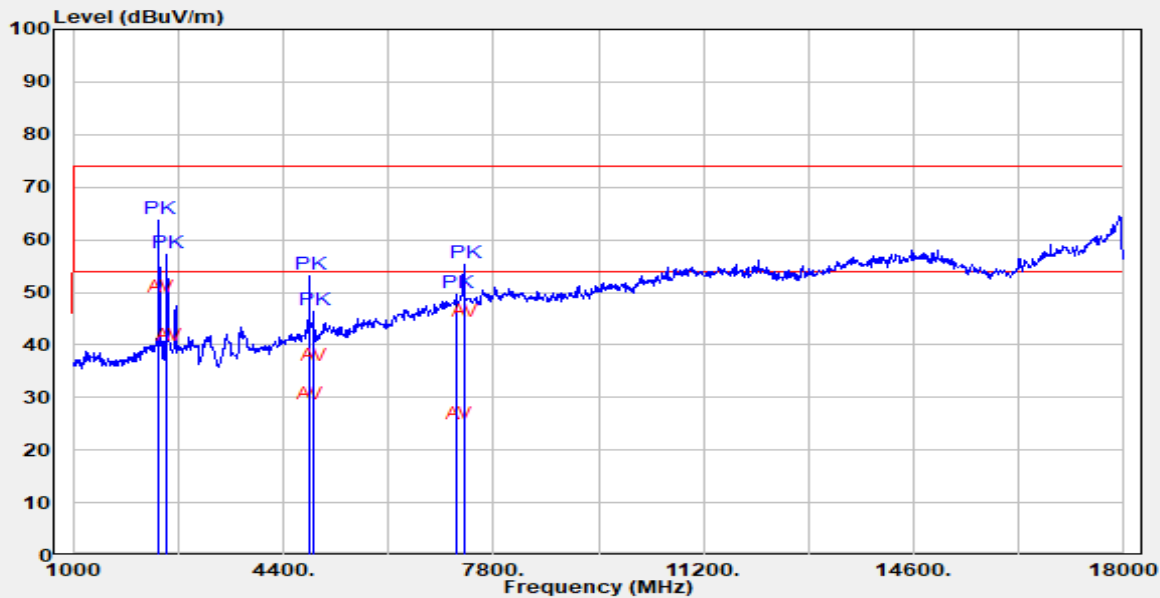
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
37.76	Peak	41.99	-8.82	33.17	40.00	-6.83
62.01	Peak	46.82	-17.92	28.90	40.00	-11.10
145.43	Peak	42.81	-12.30	30.51	43.50	-12.99
239.52	Peak	53.51	-11.16	42.35	46.00	-3.65
368.53	Peak	40.93	-7.50	33.43	46.00	-12.57
726.46	Peak	35.85	-2.13	33.72	46.00	-12.28

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Report Number :TERF2509002848ER
 Operation Mode :EDR + 802.11n20
 Test Frequency :2402 MHz + 2437 MHz(2Tx)
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 1
 Test Date :2026-03-03
 Temp./Humi. :22.5°C/55%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2368.00	Average	50.20	-1.20	49.00	54.00	-5.00
2368.00	Peak	65.20	-1.20	64.00	74.00	-10.00
2504.00	Average	39.29	0.68	39.97	54.00	-14.03
2504.00	Peak	56.89	0.68	57.57	74.00	-16.43
4804.00	Average	26.06	2.60	28.66	54.00	-25.34
4804.00	Peak	50.78	2.60	53.38	74.00	-20.62
4874.00	Average	33.65	2.27	35.92	54.00	-18.08
4874.00	Peak	44.22	2.27	46.49	74.00	-27.51
7206.00	Average	16.33	8.70	25.03	54.00	-28.97
7206.00	Peak	41.06	8.70	49.76	74.00	-24.24
7311.00	Average	35.72	8.73	44.46	54.00	-9.54
7311.00	Peak	46.91	8.73	55.64	74.00	-18.36

Average Duty Cycle Factor=-24.73(dB)

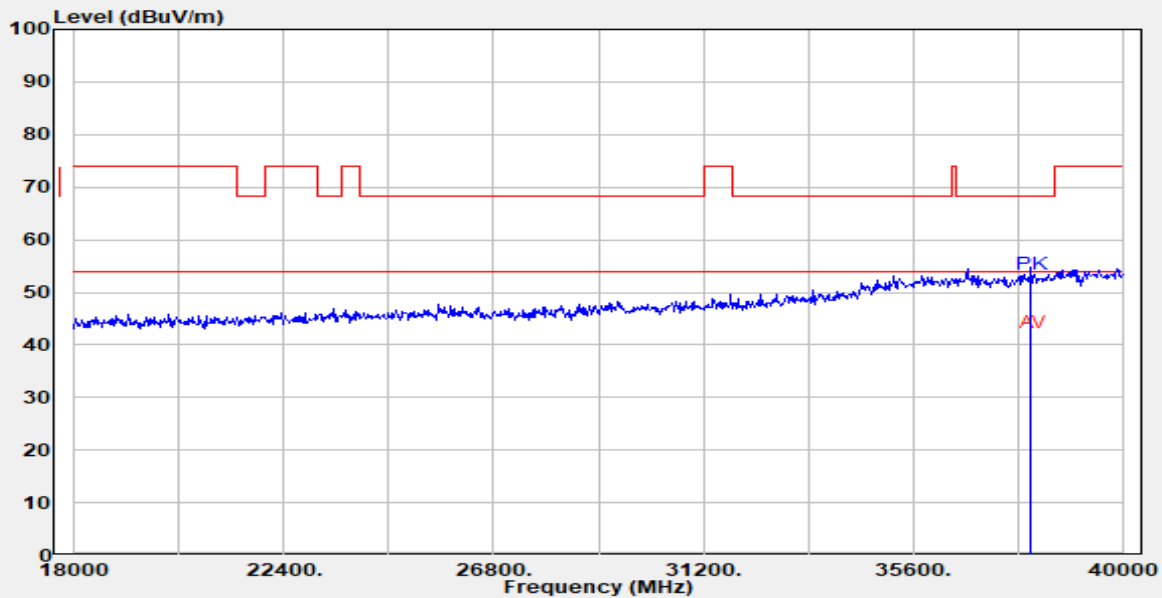
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2509002848ER
 Operation Mode :EDR + 802.11n20
 Test Frequency :2402 MHz + 2437 MHz(2Tx)
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 1
 Test Date :2026-03-03
 Temp./Humi. :22.5°C/55%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



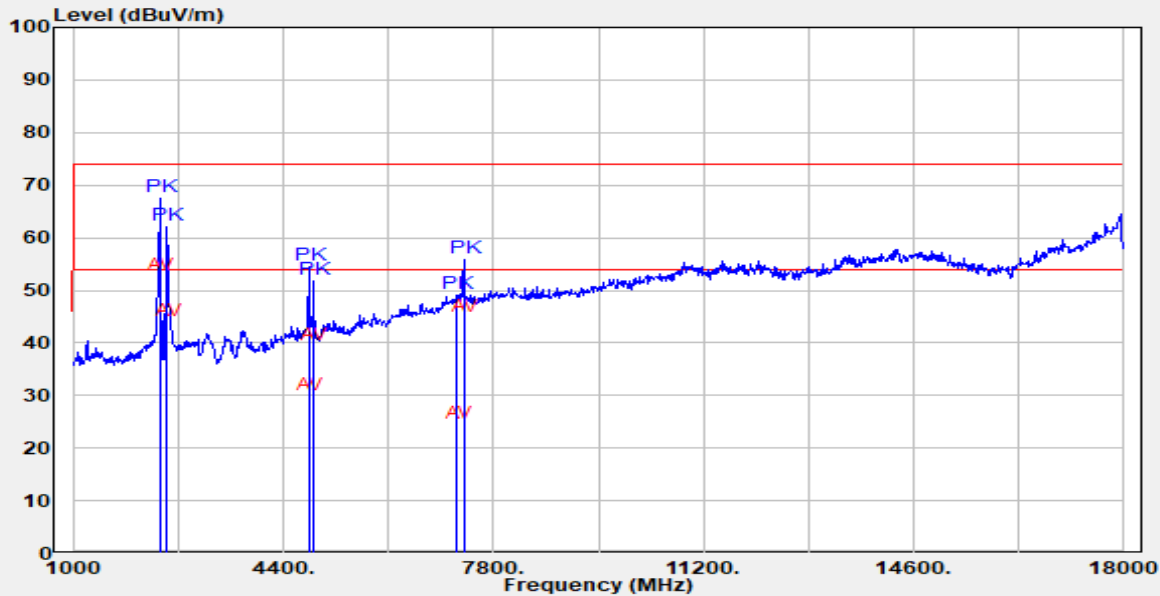
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
38086.00	Average	29.36	12.95	42.30	54.00	-11.70
38086.00	Peak	40.51	12.95	53.46	68.20	-14.74

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Report Number :TERF2509002848ER
 Operation Mode :EDR + 802.11n20
 Test Frequency :2402 MHz + 2437 MHz(2Tx)
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 1
 Test Date :2026-03-03
 Temp./Humi. :22.5°C/55%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
2378.00	Average	52.58	0.22	52.80	54.00	-1.20
2378.00	Peak	67.44	0.22	67.66	74.00	-6.34
2502.00	Average	42.81	1.36	44.17	54.00	-9.83
2502.00	Peak	60.94	1.36	62.30	74.00	-11.70
4804.00	Average	27.45	2.60	30.05	54.00	-23.95
4804.00	Peak	52.17	2.60	54.77	74.00	-19.23
4874.00	Average	37.19	2.27	39.46	54.00	-14.54
4874.00	Peak	49.77	2.27	52.04	74.00	-21.96
7206.00	Average	15.99	8.70	24.69	54.00	-29.31
7206.00	Peak	40.72	8.70	49.42	74.00	-24.58
7311.00	Average	36.24	8.73	44.97	54.00	-9.03
7311.00	Peak	47.35	8.73	56.08	74.00	-17.92

Average Duty Cycle Factor=-24.73(dB)

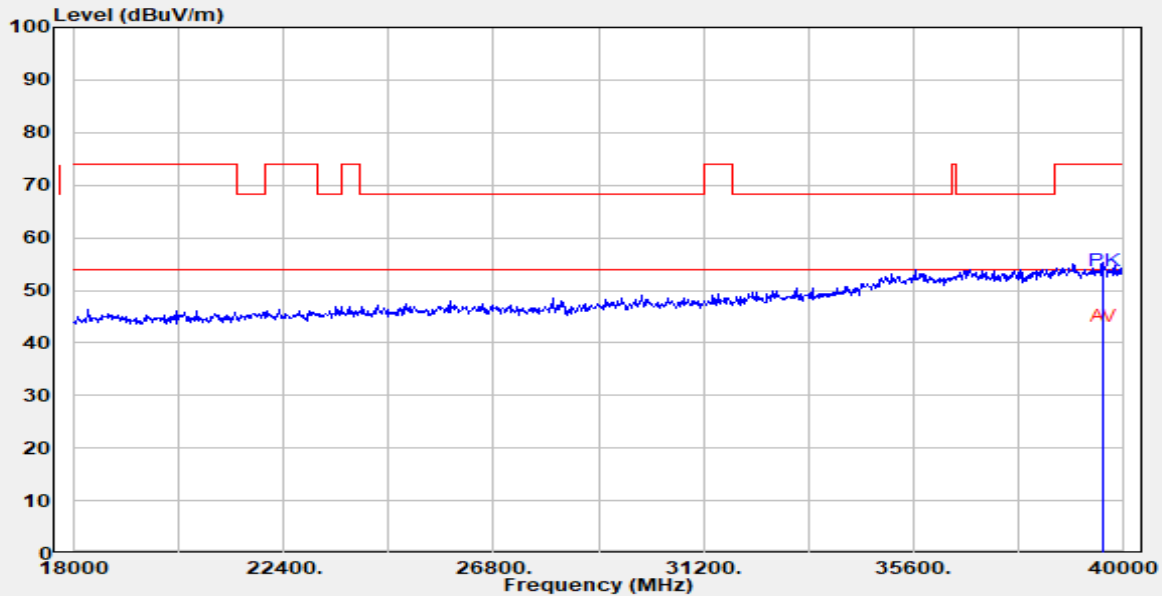
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2509002848ER
 Operation Mode :EDR + 802.11n20
 Test Frequency :2402 MHz + 2437 MHz(2Tx)
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 1
 Test Date :2026-03-03
 Temp./Humi. :22.5°C/55%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



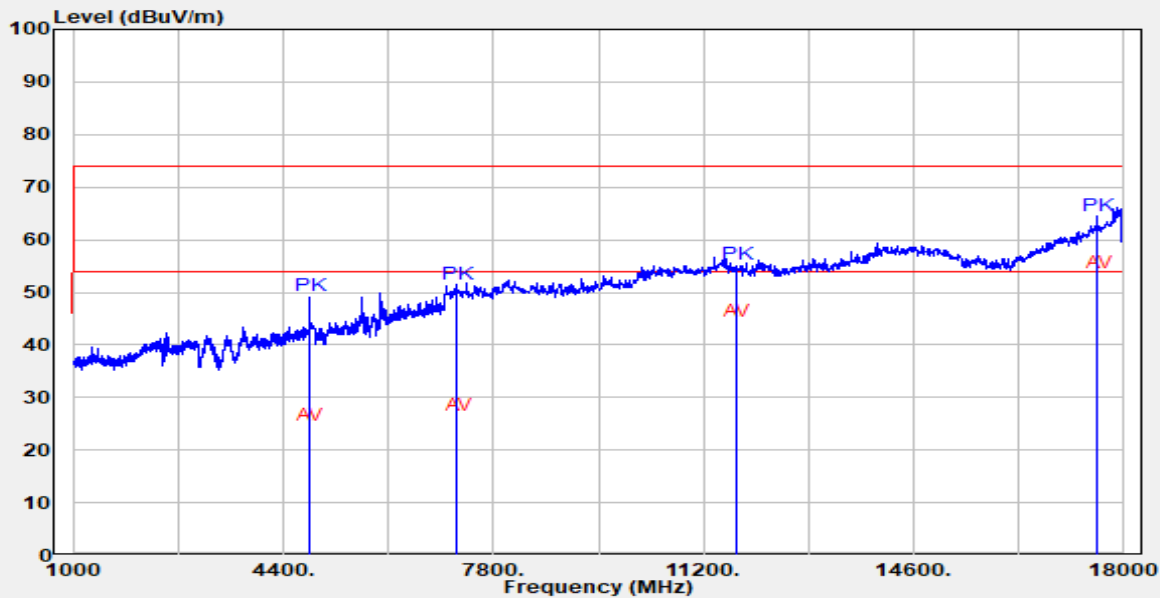
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
39582.00	Average	28.45	14.62	43.07	54.00	-10.93
39582.00	Peak	39.07	14.62	53.69	74.00	-20.31

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Report Number :TERF2509002848ER
 Operation Mode :EDR + 802.11ax20
 Test Frequency :2402 MHz + 5865 MHz(2Tx)
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 1
 Test Date :2026-03-03
 Temp./Humi. :22.5°C/55%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4804.00	Average	22.04	2.60	24.64	54.00	-29.36
4804.00	Peak	46.76	2.60	49.36	74.00	-24.64
7206.00	Average	16.14	10.52	26.66	54.00	-27.34
7206.00	Peak	40.87	10.52	51.39	68.20	-16.81
11730.00	Average	32.34	12.22	44.56	54.00	-9.44
11730.00	Peak	42.94	12.22	55.16	74.00	-18.84
17595.00	Average	38.50	15.22	53.72	54.00	-0.28
17595.00	Peak	49.30	15.22	64.52	68.20	-3.68

Average Duty Cycle Factor=-24.73(dB)

Average Level= Peak Level+ Duty Cycle Factor

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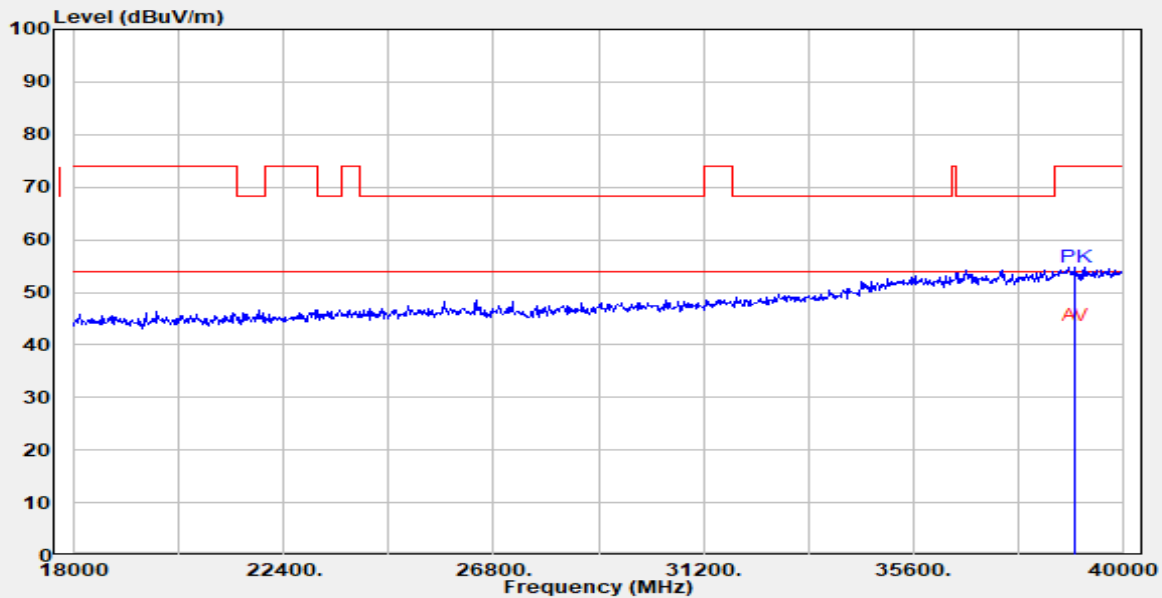
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Report Number :TERF2509002848ER
 Operation Mode :EDR + 802.11ax20
 Test Frequency :2402 MHz + 5865 MHz(2Tx)
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 1
 Test Date :2026-03-03
 Temp./Humi. :22.5°C/55%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



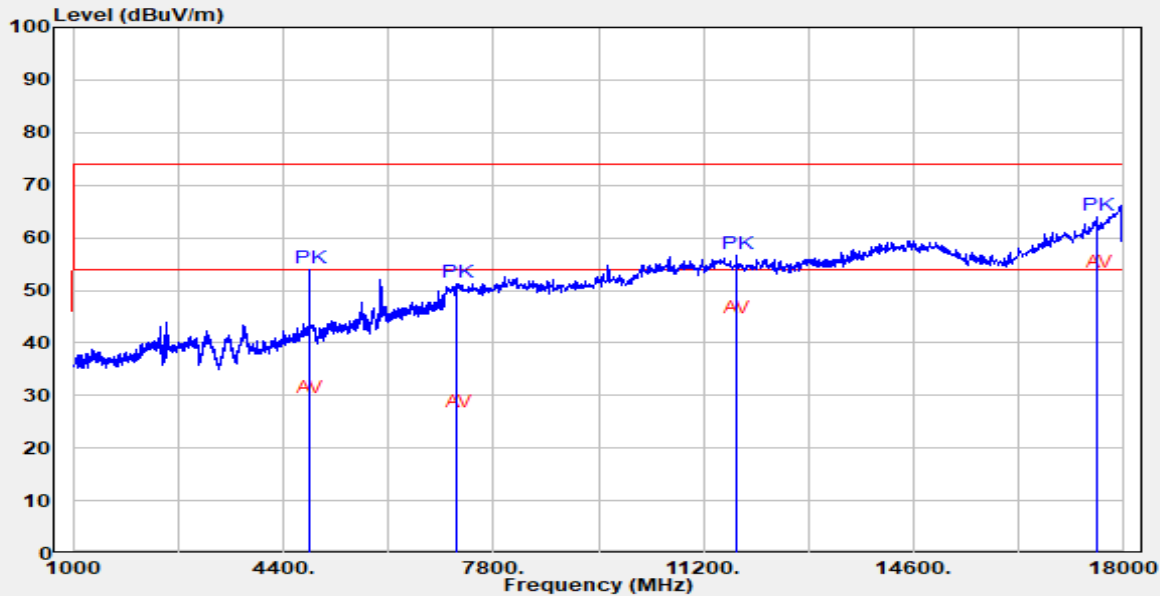
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
38988.00	Average	29.81	13.75	43.56	54.00	-10.44
38988.00	Peak	40.96	13.75	54.71	74.00	-19.29

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Report Number :TERF2509002848ER
 Operation Mode :EDR + 802.11ax20
 Test Frequency :2402 MHz + 5865 MHz(2Tx)
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 1
 Test Date :2026-03-03
 Temp./Humi. :22.5°C/55%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
4804.00	Average	27.01	2.60	29.61	54.00	-24.39
4804.00	Peak	51.73	2.60	54.33	74.00	-19.67
7206.00	Average	16.31	10.52	26.83	54.00	-27.17
7206.00	Peak	41.04	10.52	51.56	68.20	-16.64
11730.00	Average	32.36	12.22	44.58	54.00	-9.42
11730.00	Peak	44.82	12.22	57.04	74.00	-16.96
17595.00	Average	38.11	15.22	53.33	54.00	-0.67
17595.00	Peak	49.11	15.22	64.33	68.20	-3.87

Average Duty Cycle Factor=-24.73(dB)

Average Level= Peak Level+ Duty Cycle Factor

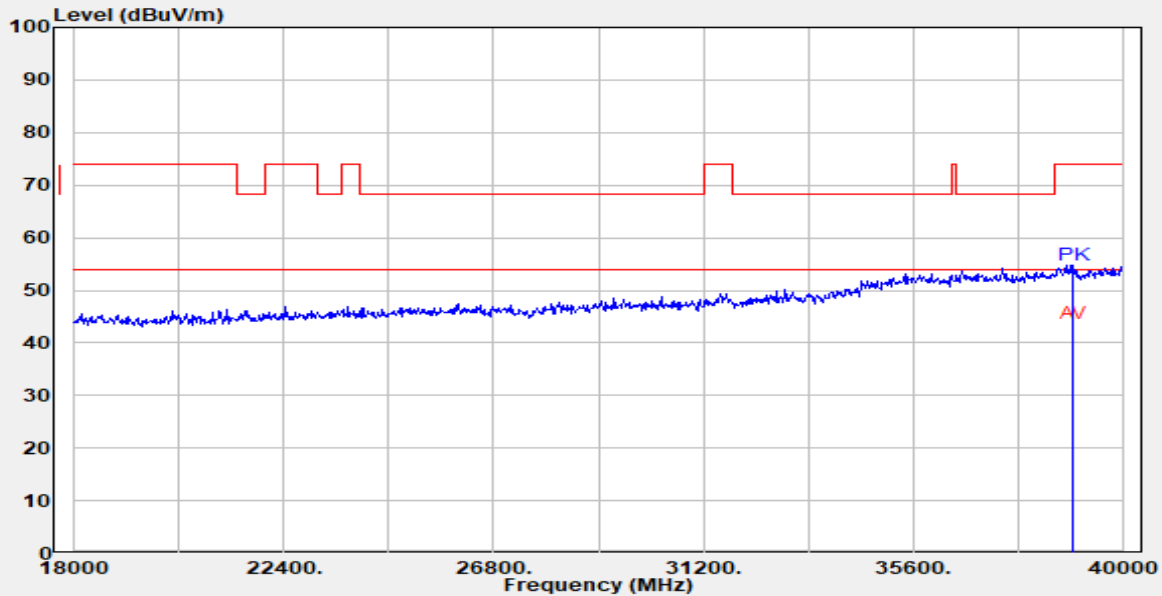
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Report Number :TERF2509002848ER
 Operation Mode :EDR + 802.11ax20
 Test Frequency :2402 MHz + 5865 MHz(2Tx)
 Test Mode :Tx
 EUT Pol :H Plane

Test Site :SAC 1
 Test Date :2026-03-03
 Temp./Humi. :22.5°C/55%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin

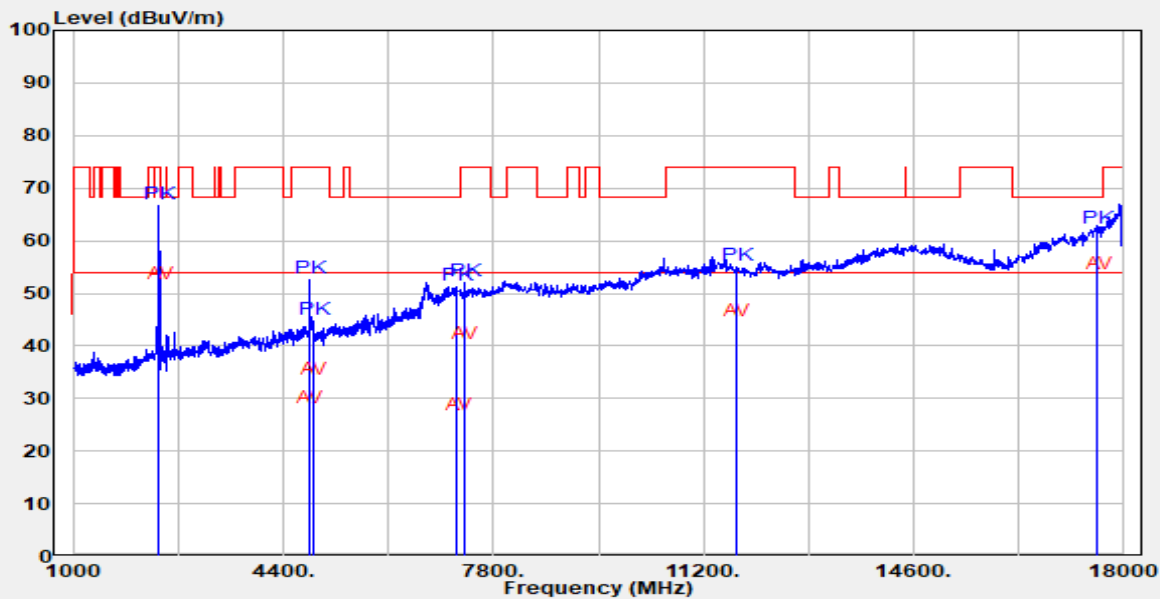


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
38966.00	Average	29.87	13.70	43.57	54.00	-10.43
38966.00	Peak	41.11	13.70	54.81	74.00	-19.19

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Report Number	:TERF2509002848ER	Test Site	:SAC 1
Operation Mode	:EDR + 802.11n20 + 802.11ax20	Test Date	:2026-03-03
Test Frequency	:2402 MHz + 2437 MHz(1Tx) + 5865 MHz(2Tx)	Temp./Humi.	:22.5°C/55%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:H Plane	Engineer	:WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
2371.00	Average	52.61	-0.97	51.64	54.00	-2.36
2371.00	Peak	67.80	-0.97	66.83	74.00	-7.17
4804.00	Average	25.59	2.60	28.18	54.00	-25.82
4804.00	Peak	50.32	2.60	52.91	74.00	-21.09
4874.00	Average	31.27	2.27	33.55	54.00	-20.45
4874.00	Peak	42.65	2.27	44.93	74.00	-29.07
7206.00	Average	16.23	10.52	26.75	54.00	-27.25
7206.00	Peak	40.96	10.52	51.48	68.20	-16.72
7311.00	Average	30.07	10.40	40.47	54.00	-13.53
7311.00	Peak	41.82	10.40	52.22	74.00	-21.78
11730.00	Average	32.50	12.22	44.72	54.00	-9.28
11730.00	Peak	43.12	12.22	55.34	74.00	-18.66
17595.00	Average	38.40	15.22	53.61	54.00	-0.39
17595.00	Peak	47.25	15.22	62.47	68.20	-5.73

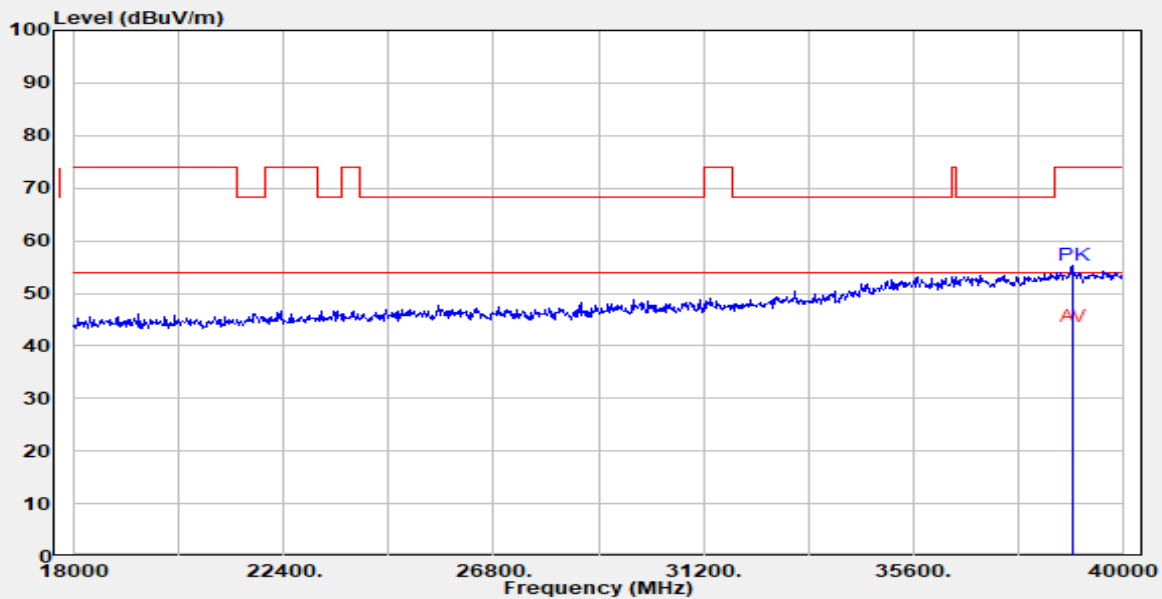
Average Duty Cycle Factor=-24.73(dB)

Average Level= Peak Level+ Duty Cycle Factor

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Report Number	:TERF2509002848ER	Test Site	:SAC 1
Operation Mode	:EDR + 802.11n20 + 802.11ax20	Test Date	:2026-03-03
Test Frequency	:2402 MHz + 2437 MHz(1Tx) + 5865 MHz(2Tx)	Temp./Humi.	:22.5°C/55%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:H Plane	Engineer	:WJ Lin

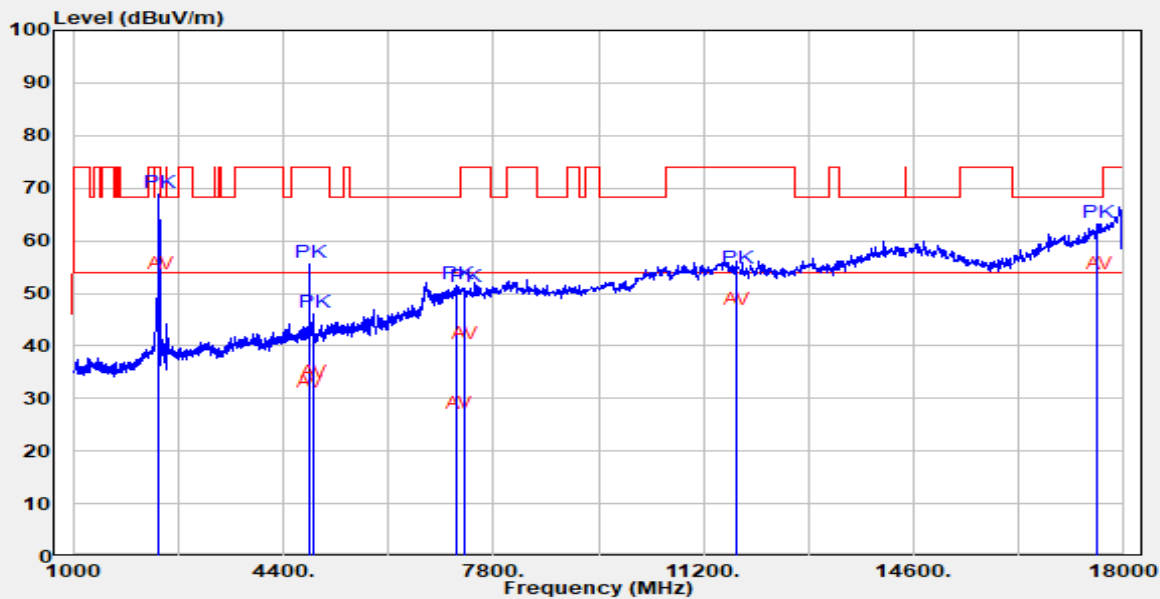


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
38944.00	Average	29.88	13.66	43.54	54.00	-10.46
38944.00	Peak	41.75	13.66	55.41	74.00	-18.59

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Report Number	:TERF2509002848ER	Test Site	:SAC 1
Operation Mode	:EDR + 802.11n20 + 802.11ax20	Test Date	:2026-03-03
Test Frequency	:2402 MHz + 2437 MHz(1Tx) + 5865 MHz(2Tx)	Temp./Humi.	:22.5°C/55%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:H Plane	Engineer	:WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2371.00	Average	54.62	-0.97	53.65	54.00	-0.35
2371.00	Peak	69.95	-0.97	68.98	74.00	-5.02
4804.00	Average	28.49	2.60	31.08	54.00	-22.92
4804.00	Peak	53.22	2.60	55.81	74.00	-18.19
4874.00	Average	30.92	2.27	33.19	54.00	-20.81
4874.00	Peak	44.06	2.27	46.34	74.00	-27.66
7206.00	Average	16.52	10.52	27.04	54.00	-26.96
7206.00	Peak	41.25	10.52	51.77	68.20	-16.43
7311.00	Average	29.85	10.40	40.25	54.00	-13.75
7311.00	Peak	40.88	10.40	51.28	74.00	-22.72
11730.00	Average	34.55	12.22	46.77	54.00	-7.23
11730.00	Peak	42.65	12.22	54.87	74.00	-19.13
17595.00	Average	38.35	15.22	53.57	54.00	-0.43
17595.00	Peak	48.31	15.22	63.53	68.20	-4.67

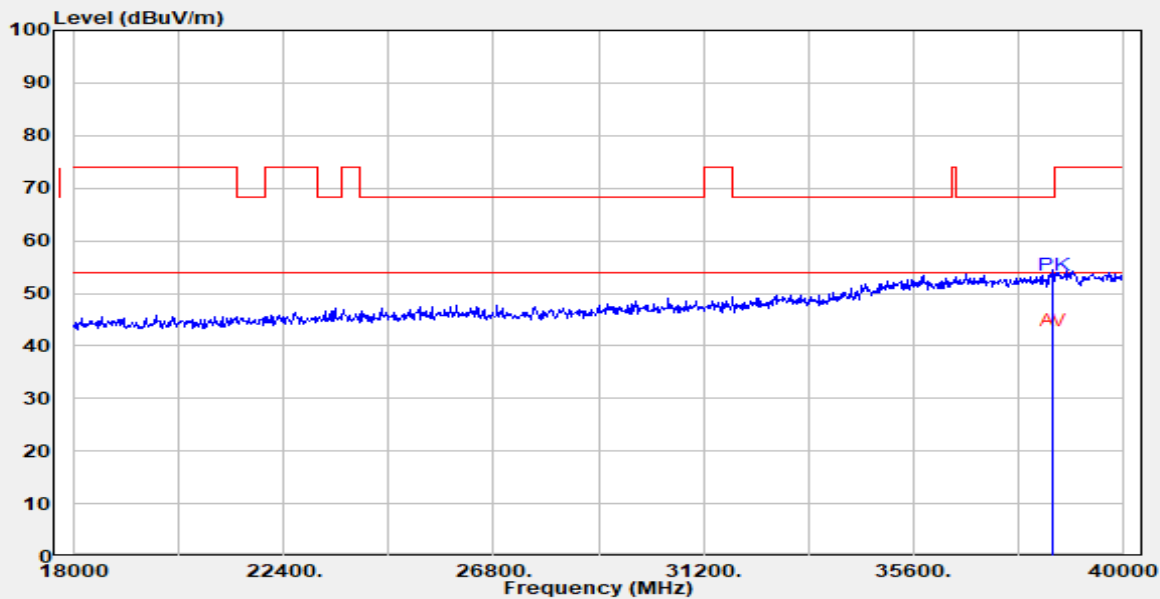
Average Duty Cycle Factor=-24.73(dB)

Average Level= Peak Level+ Duty Cycle Factor

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Report Number	:TERF2509002848ER	Test Site	:SAC 1
Operation Mode	:EDR + 802.11n20 + 802.11ax20	Test Date	:2026-03-03
Test Frequency	:2402 MHz + 2437 MHz(1Tx) + 5865 MHz(2Tx)	Temp./Humi.	:22.5°C/55%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:H Plane	Engineer	:WJ Lin



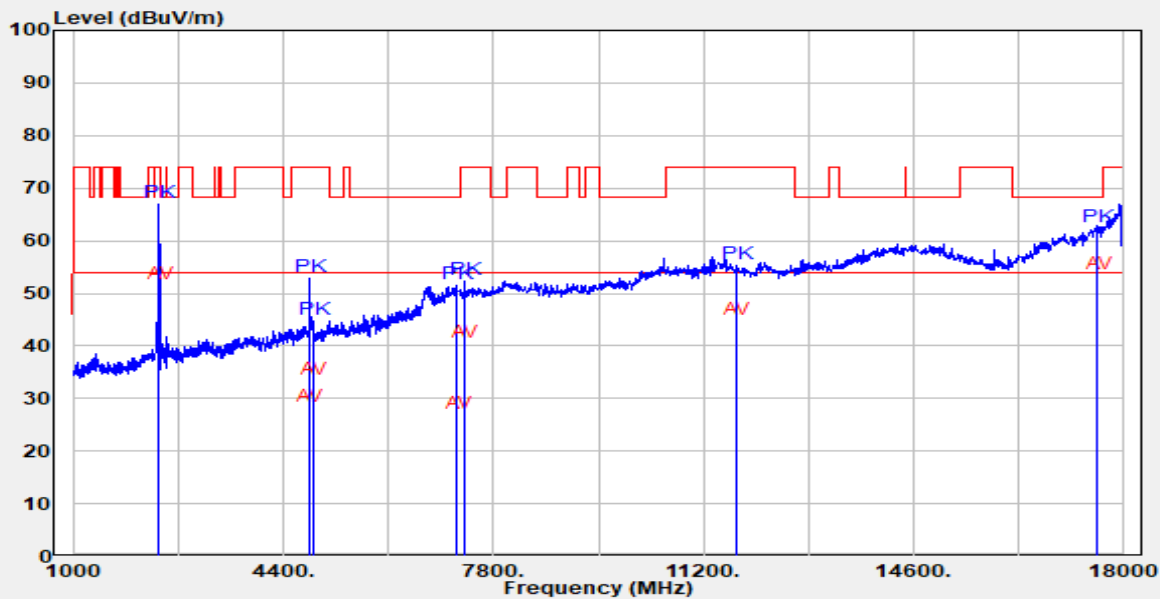
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
38526.00	Average	29.33	13.47	42.80	54.00	-11.20
38526.00	Peak	40.02	13.47	53.49	68.20	-14.71

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Report Number	:TERF2509002848ER	Test Site	:SAC 1
Operation Mode	:EDR + 802.11n20 + 802.11ax20	Test Date	:2026-03-03
Test Frequency	:2402 MHz + 2437 MHz(1Tx) + 5865 MHz(1Tx)	Temp./Humi.	:22.5°C/55%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:H Plane	Engineer	:WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
2371.00	Average	52.77	-0.97	51.80	54.00	-2.20
2371.00	Peak	68.11	-0.97	67.14	74.00	-6.86
4804.00	Average	25.89	2.60	28.48	54.00	-25.52
4804.00	Peak	50.62	2.60	53.21	74.00	-20.79
4874.00	Average	31.43	2.27	33.71	54.00	-20.29
4874.00	Peak	42.83	2.27	45.11	74.00	-28.89
7206.00	Average	16.52	10.52	27.04	54.00	-26.96
7206.00	Peak	41.25	10.52	51.77	68.20	-16.43
7311.00	Average	30.15	10.40	40.55	54.00	-13.45
7311.00	Peak	42.04	10.40	52.44	74.00	-21.56
11730.00	Average	32.74	12.22	44.96	54.00	-9.04
11730.00	Peak	43.21	12.22	55.43	74.00	-18.57
17595.00	Average	38.41	15.22	53.63	54.00	-0.37
17595.00	Peak	47.44	15.22	62.66	68.20	-5.54

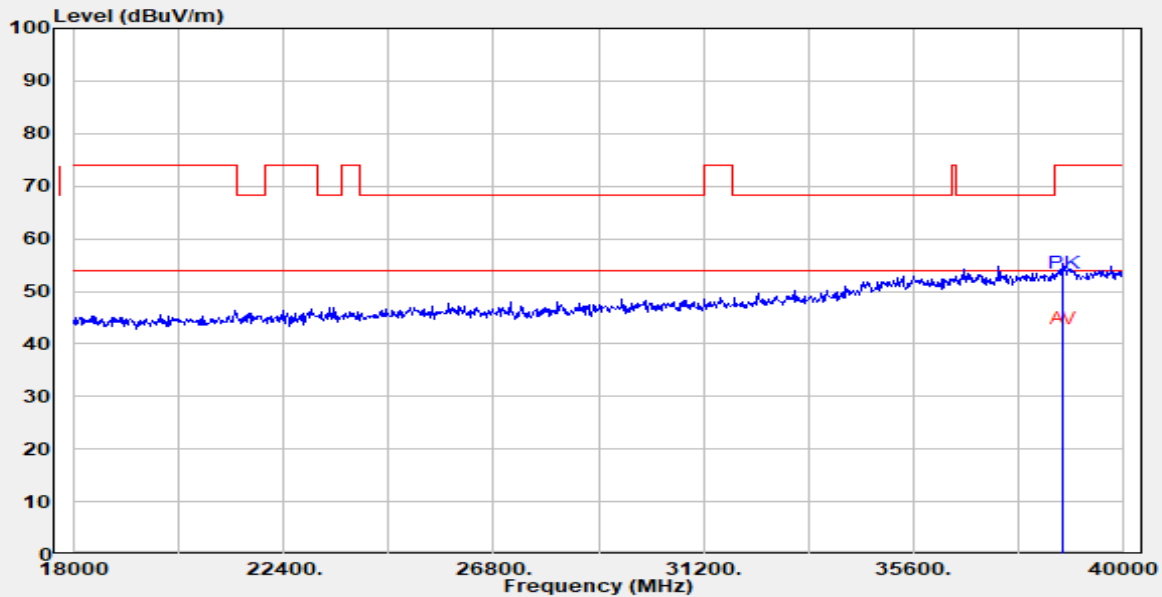
Average Duty Cycle Factor=-24.73(dB)

Average Level= Peak Level+ Duty Cycle Factor

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Report Number	:TERF2509002848ER	Test Site	:SAC 1
Operation Mode	:EDR + 802.11n20 + 802.11ax20	Test Date	:2026-03-03
Test Frequency	:2402 MHz + 2437 MHz(1Tx) + 5865 MHz(1Tx)	Temp./Humi.	:22.5°C/55%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:H Plane	Engineer	:WJ Lin

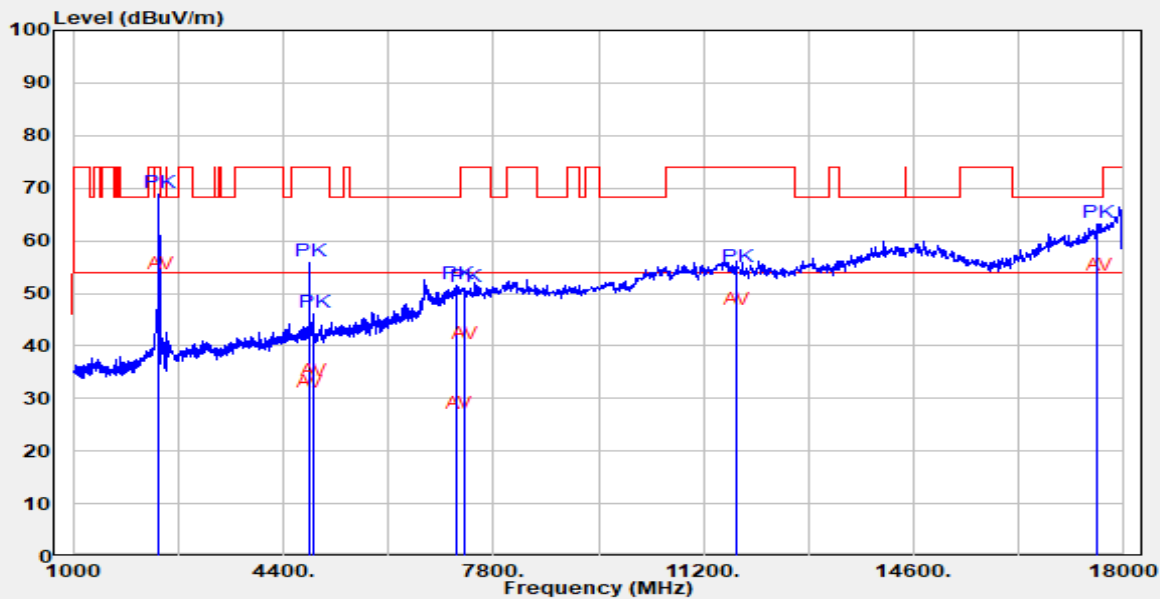


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
38746.00	Average	29.15	13.59	42.74	54.00	-11.26
38746.00	Peak	39.80	13.59	53.39	74.00	-20.61

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Report Number	:TERF2509002848ER	Test Site	:SAC 1
Operation Mode	:EDR + 802.11n20 + 802.11ax20	Test Date	:2026-03-03
Test Frequency	:2402 MHz + 2437 MHz(1Tx) + 5865 MHz(1Tx)	Temp./Humi.	:22.5°C/55%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:H Plane	Engineer	:WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2371.00	Average	54.70	-0.97	53.73	54.00	-0.27
2371.00	Peak	70.09	-0.97	69.12	74.00	-4.88
4804.00	Average	28.69	2.60	31.28	54.00	-22.72
4804.00	Peak	53.42	2.60	56.01	74.00	-17.99
4874.00	Average	31.04	2.27	33.32	54.00	-20.68
4874.00	Peak	44.19	2.27	46.47	74.00	-27.53
7206.00	Average	16.60	10.52	27.12	54.00	-26.88
7206.00	Peak	41.33	10.52	51.85	68.20	-16.35
7311.00	Average	29.92	10.40	40.32	54.00	-13.68
7311.00	Peak	40.92	10.40	51.32	74.00	-22.68
11730.00	Average	34.66	12.22	46.88	54.00	-7.12
11730.00	Peak	42.72	12.22	54.94	74.00	-19.06
17595.00	Average	38.15	15.22	53.37	54.00	-0.63
17595.00	Peak	48.19	15.22	63.41	68.20	-4.79

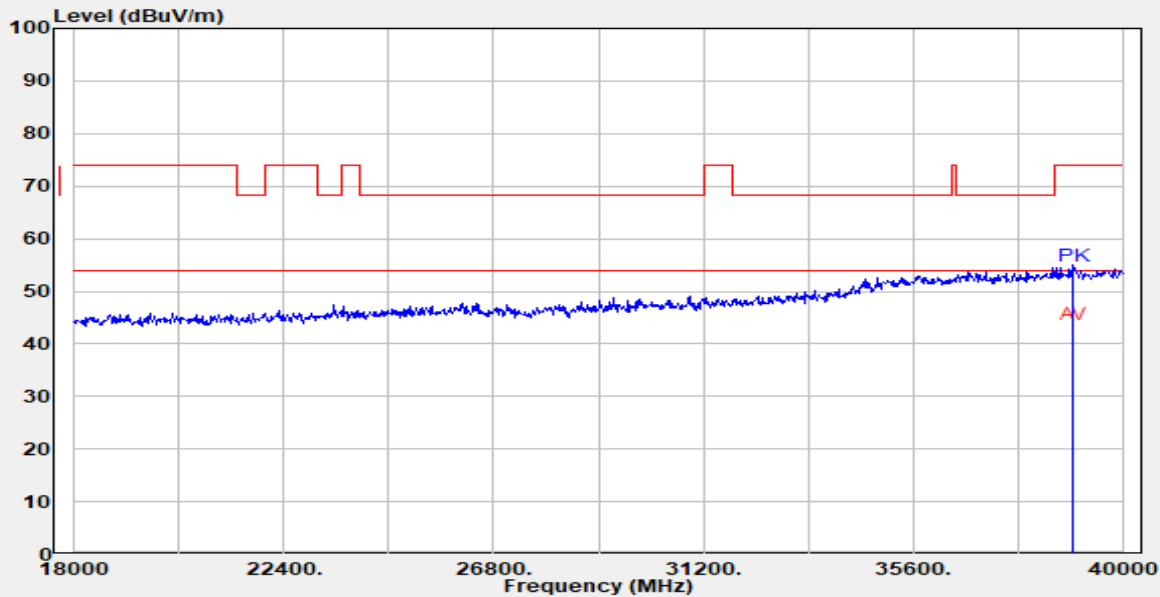
Average Duty Cycle Factor=-24.73(dB)

Average Level= Peak Level+ Duty Cycle Factor

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Report Number	:TERF2509002848ER	Test Site	:SAC 1
Operation Mode	:EDR + 802.11n20 + 802.11ax20	Test Date	:2026-03-03
Test Frequency	:2402 MHz + 2437 MHz(1Tx) + 5865 MHz(1Tx)	Temp./Humi.	:22.5°C/55%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:H Plane	Engineer	:WJ Lin



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
38944.00	Average	30.05	13.66	43.71	54.00	-10.29
38944.00	Peak	41.14	13.66	54.80	74.00	-19.20

~ End of Report ~

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