

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT



Applicant: Qualcomm Technologies, Inc.
5775 Morehouse Drive, San Diego, CA 92121-1714, United States

Manufacturer: Qualcomm Technologies, Inc.
5775 Morehouse Drive, San Diego, CA 92121-1714, United States

Product Name: Tri-Radio LGA Module for IoT applications

Brand Name: Qualcomm

Model No.: QCC743M-0

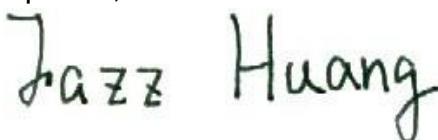
Report Number: TERF2503001016ER

FCC ID J9C-QCC743M0

Date of EUT Received: March 7, 2025

Date of Test: March 12, 2025~March 26, 2025

Issue Date: April 28, 2025



Approved By

Jazz Huang

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT comply with FCC rule part §15.247.

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
TERF2503001016ER	00	Change antenna location & add additional HW SKU QCC743M-0P	April 18, 2025	Yuri Tsai	
TERF2503001016ER	01	Update power setting	April 28, 2025	Yuri Tsai	

Note:

- 1、The remark "*" indicates modification of the report upon requests from certification body.
- 2、Variant information of HW SKU 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

Product Name:	Tri-Radio LGA Module for IoT applications
Brand Name:	Qualcomm
Model No.:	QCC743M-0
HW SKU:	QCC743M-0U, QCC743M-0B, QCC743M-0P
Hardware Version:	N/A
Firmware Version:	N/A
EUT Series No.:	C4:CC:37:A0:A2:A8
Power Supply:	3.3 Vdc
Test Software (Name/Version)	QConn_RCT 1.8.9

1.2 RF Specification

HW SKU: QCC743M-0P

WLAN 2.4GHz

Mode	Frequency Range	Channels	Rated Power (dBm)		Modulation Technology
			Peak	Avg.	
802.11b	2412~2472	13	22.42	20.35	DSSS
802.11g	2412~2472	13	26.77	20.52	OFDM
802.11n_HT20	2412~2472	13	26.67	20.33	OFDM
802.11n_HT40	2422~2462	9	24.97	15.72	OFDM
802.11ax_HE20	2412~2472	13	27.34	20.48	OFDMA
802.11ax_HE40	2422~2462	9	25.68	15.64	OFDMA
Modulation type:					
CCK, DQPSK, DBPSK for DSSS in 802.11b					
64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11g,11n					
1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA in 802.11ax					
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					
802.11ax_HE20:up to 143.4Mbps					
802.11ax_HE40:up to 286.8Mbps					

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1.3 HW SKU Difference Table:

HW SKU	Antenna Type	Impedance
QCC743M-0U	3 types: PIFA, Monopole, Dipole	C21=1.8pF, C20=1.8pF
QCC743M-0B	1 type: PCB	C21=1.6pF, C20=2pF
QCC743M-0P	3 types: PIFA, Monopole, Dipole	C21=1.8pF, C20=2pF

1.4 Antenna Designation

Antenna Type	Antenna Part No.	Freq.	Peak Antenna Gain (dBi)
PCB Antenna	RFIQM0743010NB001	2.4GHz	1.89
PIFA Antenna	RFPCA441010EMABY01		3.19
Dipole Antenna	RFPCA521010EMABY01		3.37
Monopole Antenna	RFPCA501010EMABY01		3.12

Note:

1. Pre-scanned was done on the above antennas, measurements were demonstrated by using the antenna with the highest gain as the worst case scenarios.
2. Antenna information is provided by the applicant.

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1.5 Test Methodology of Applied Standards

FCC Part 15, Subpart C §15.247

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

ANSI C63.10:2013

1.6 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1 SAC 2 SAC 3 Conduction 1 Conducted 1 Conducted 2 Conducted 3 Conducted 4 Conducted 5 Conducted 6	TW0027	TW3702
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction C SAC C SAC D SAC G Conducted A Conducted B Conducted C Conducted D Conducted E Conducted F Conducted G	TW0028	

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

1.7 Special Accessories

There are no special accessories used while test was conducted.

1.8 Equipment Modifications

There was no modification incorporated into the EUT.

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2 SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

2.3 Test Procedure

2.3.1 Conducted Emissions

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

2.3.2 Conducted Test (RF)

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

2.3.3 Radiated Emissions

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

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2.4 Measurement Results Explanation Example

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

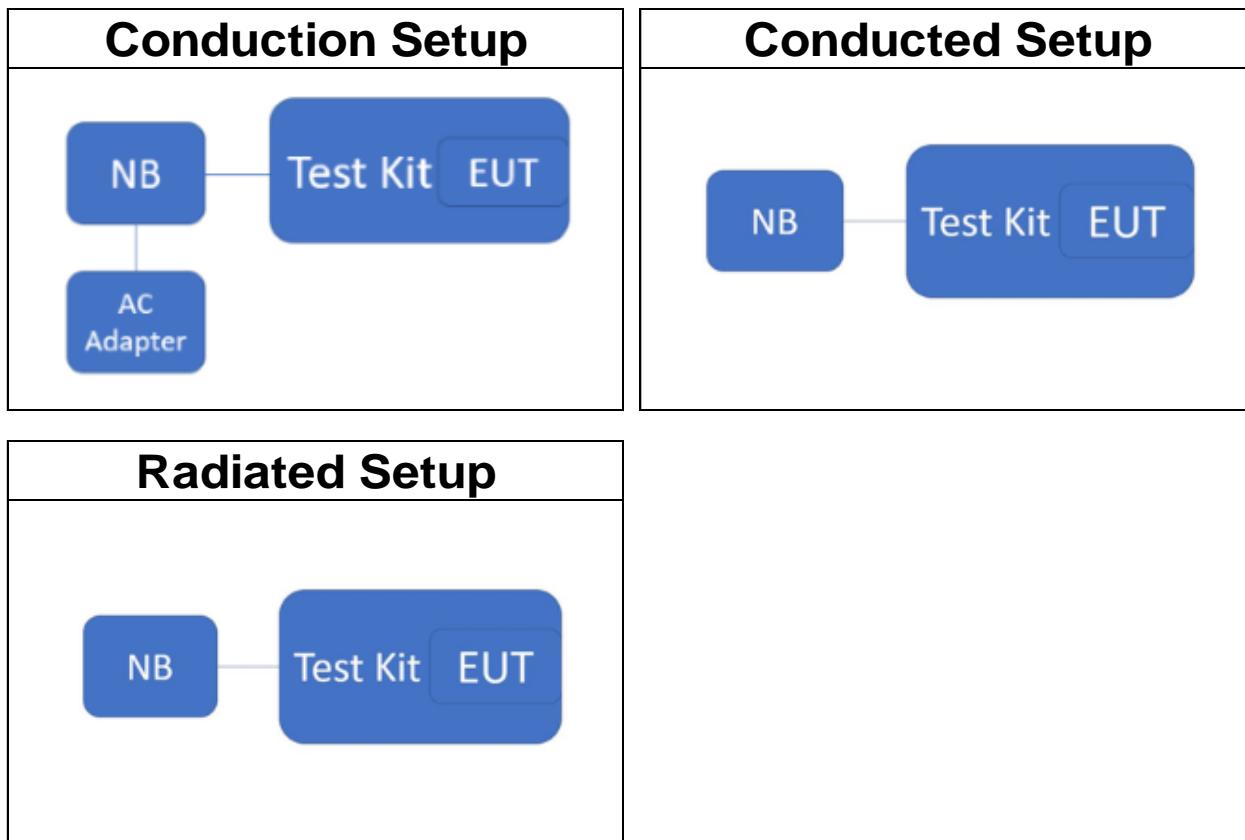
Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

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

2.4.2 For all conducted test items:

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

2.5 Test Configuration



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2.6 Control Unit(s)

AC Power-Line Conducted Emission Test Site: Conduction 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
AC Adapter	HP	TPN-LA16	N/A	N/A	N/A
Notebook	HP	HSN-Q35C-4	5CD238GDV5	N/A	N/A
Type-C to USB Cable	Xiaomi	SJX10ZM	N/A	N/A	N/A
QCC74X Module Development Kit Board	Walsin	QCC743-DVK-P	N/A	N/A	N/A
Conducted Emission Test Site: Conducted 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Notebook	HP	HSN-Q35C-4	5CD238GDV5	N/A	N/A
QCC74X Module Development Kit Board	Walsin	QCC743-DVK-P	N/A	N/A	N/A
Radiated Emission Test Site: SAC 2					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Notebook	HP	HSN-Q35C-4	5CD238GDV5	N/A	N/A
Type-C to USB Cable	Xiaomi	SJX10ZM	N/A	N/A	N/A
QCC74X Module Development Kit Board	Walsin	QCC743-DVK-P	N/A	N/A	N/A

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3 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§15.207(a)	AC Power Line Conducted Emission	Compliant
§15.247(b) (3)	Peak Output Power	Compliant
§15.209 §15.247(d)	Radiated Spurious Emission	Compliant

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4 DESCRIPTION OF TEST MODES

4.1 Operating Frequencies

2400~2483.5 MHz

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

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4.2 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. Test program used to control the EUT for staying in continuous transmitting and receiving 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.

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

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

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

CONDUCTED TEST						
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	RU CONFIGURATION	DATA RATE (Mbps)	ANTENNA PORT
802.11ax_HE20	1 to 11	1,2,3,4,5,6,7,8,9,10,11,12,13	OFDMA	FULL RU 26/0,26/8 52/37,52/40 106/53,106/54	MCS0	Ch0
802.11ax_HE40	3 to 9	3,4,5,6,7,8,9,10,11	OFDMA	FULL RU 242/61,242/62	MCS0	Ch0

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TRANSMIT RADIATED EMISSION TEST (BELOW 1 GHz)

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11g	1 to 13	6	OFDM	6	ch0

TRANSMIT RADIATED EMISSION TEST (ABOVE 1 GHz)

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11b	1 to 13	11	DSSS	1	Ch0

Note:

1. The field strength of radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for channel Low, Mid and High, the worst case position was reported.

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5 MEASUREMENT UNCERTAINTY

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

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

Note:

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

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6 MEASUREMENT EQUIPMENT USED

6.1 Emission from AC power line

AC Power-Line Conducted Emission Test Site: Conduction 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Coaxial Cables	EMC Instruments Corp.	EMCCFD300-BM-BM-3000	161207	06/22/2024	06/21/2025
EMI Test Receiver	R&S	ESCI 7	100759	08/28/2024	08/27/2025
LISN	SCHWARZBECK	NSLK 8127	1040	09/07/2024	09/06/2025
Pulse Limiter	SCHWARZBECK	VTSD 9561F-N	793	06/22/2024	06/21/2025
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

6.2 Conducted Measurement

Conducted Emission Test Site: Conducted 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
Attenuator	Mini-Circuits	BW-S10W2+	3	12/11/2024	12/10/2025
Attenuator	Mini-Circuits	BW-S10W2+	4	12/11/2024	12/10/2025
DC Block	Mini-Circuits	BLK-18-S+	2	12/11/2024	12/10/2025
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071571	06/04/2024	06/03/2025
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
Test Software	SGS	Radio Test Software	Ver. 21	N.C.R	N.C.R

6.3 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)
Bi-log Antenna	SCHWARZBECK	VULB9168	1208	07/17/2024	07/16/2025
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)	08/30/2024	08/29/2025
EMI Test Receiver	R&S	ESCI 7	100759	08/28/2024	08/27/2025
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY60242392	12/24/2024	12/23/2025
Pre-Amplifier	EMCI	EMC330N	980826	08/30/2024	08/29/2025
Site Cal	SGS	SAC 2	N/A	08/30/2024	08/29/2025
Test Software	Audix	e3	Ver. 9.210616	N.C.R	N.C.R

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Radiated Emission Test Site: SAC 2					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
4G High Pass Filter	WI	WHKX4.0	21	12/11/2024	12/10/2025
Band Reject Filter 2400-2483.5	EWT	EWT-14-0166	M3	12/11/2024	12/10/2025
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+22 0906+240801)	08/30/2024	08/29/2025
Coaxial Cables	Huber Suhner	SUCOFLEX 102	RX Cable 18G-40G MY2630/2+805062/ 2	08/30/2024	08/29/2025
EMI Test Receiver	R&S	ESCI 7	100759	08/28/2024	08/27/2025
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY60242392	12/24/2024	12/23/2025
Horn Antenna	RF SPIN	DRH0844	LE2D05A0844	07/10/2024	07/09/2025
Horn Antenna	RF SPIN	DRH18-E	210303A18-ES	02/20/2025	02/19/2026
Pre-Amplifier	EMCI	EMC118A45SEE	980867	08/30/2024	08/29/2025
Pre-Amplifier	EMCI	EMC184045SEE	9080939	08/30/2024	08/29/2025
Site Cal	SGS	SAC 2	N/A	08/30/2024	08/29/2025
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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7 CONDUCTED EMISSION TEST

7.1 Standard Applicable

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

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

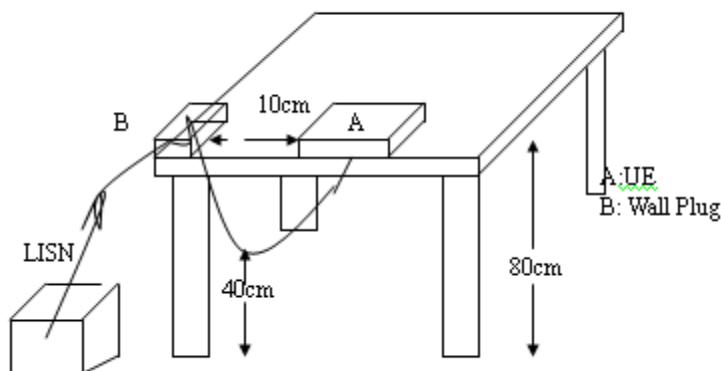
Note

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

7.2 EUT Setup:

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

7.3 Test Setup



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7.4 Measurement Procedure

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

7.5 Measurement Result

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

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

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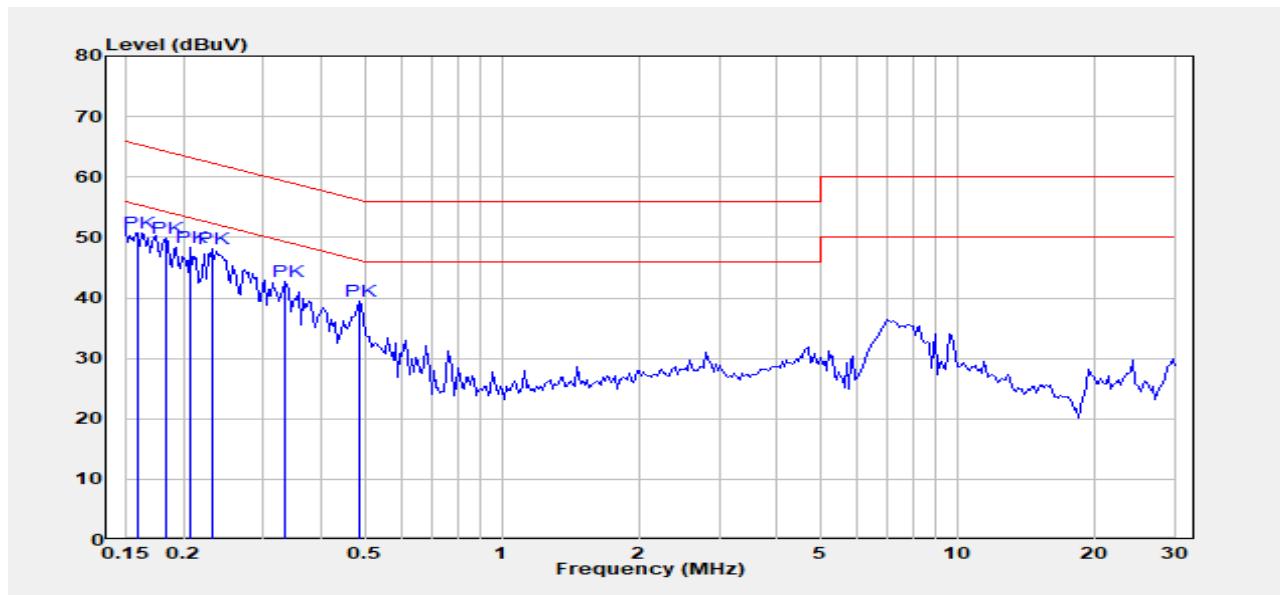
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AC POWER LINE CONDUCTED EMISSION TEST DATA

Report Number :TERF2503001016ER
Operation Mode :WLAN 2.4G
Power :120V/60Hz
Probe :L
Note: :

Test Site :Conduction 1
Test Date :2025-03-20
Temp./Humi. :22.4°C/61%
Engineer :GN Lin



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual	Limit dB μ V	Margin dB
				FS dB μ V		
0.158	Peak	40.59	10.13	50.72	65.56	-14.84
0.183	Peak	39.69	10.13	49.82	64.33	-14.50
0.206	Peak	38.19	10.13	48.32	63.36	-15.04
0.232	Peak	37.99	10.13	48.12	62.39	-14.27
0.336	Peak	32.50	10.15	42.65	59.31	-16.66
0.486	Peak	29.38	10.16	39.55	56.23	-16.68

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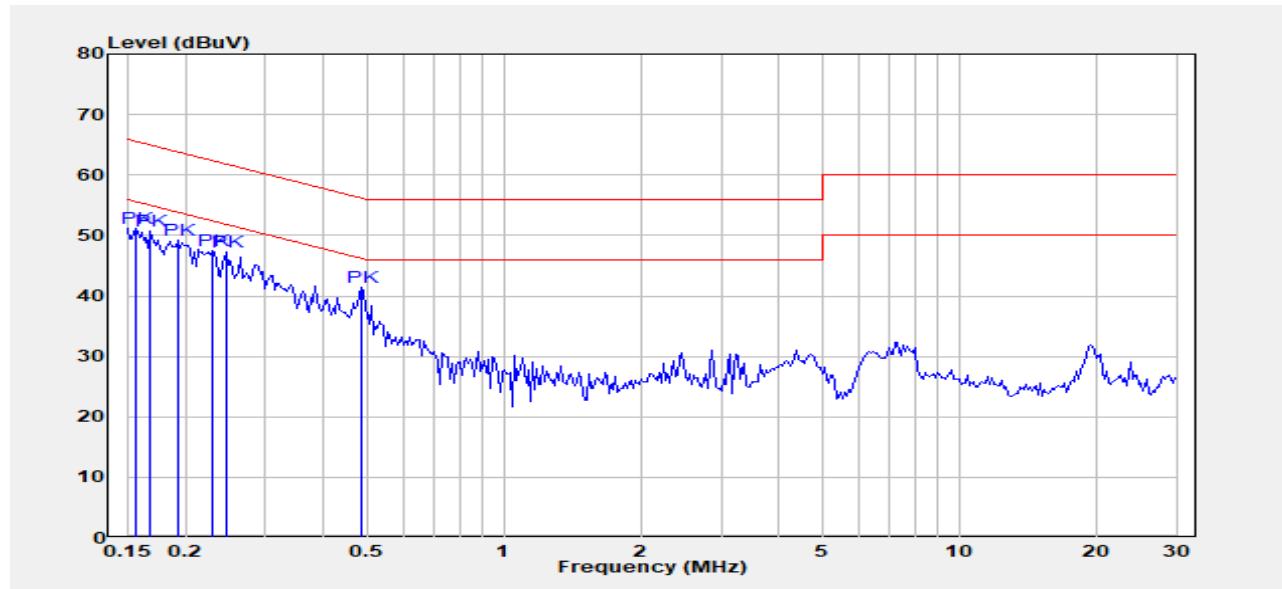
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Report Number :TERF2503001016ER
Operation Mode :WLAN 2.4G
Power :120V/60Hz
Probe :N
Note: :

Test Site :Conduction 1
Test Date :2025-03-20
Temp./Humi. :22.4°C/61%
Engineer :GN Lin



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual	Limit dB μ V	Margin dB
				FS dB μ V		
0.155	Peak	41.03	10.12	51.15	65.74	-14.59
0.167	Peak	40.61	10.12	50.73	65.12	-14.39
0.193	Peak	39.07	10.12	49.19	63.89	-14.70
0.229	Peak	37.27	10.13	47.40	62.48	-15.08
0.247	Peak	37.07	10.13	47.19	61.86	-14.67
0.486	Peak	31.30	10.16	41.46	56.23	-14.77

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8 PEAK OUTPUT POWER MEASUREMENT

8.1 Standard Applicable

8.1.1 Duty Cycle

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

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

8.1.2 FCC

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

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

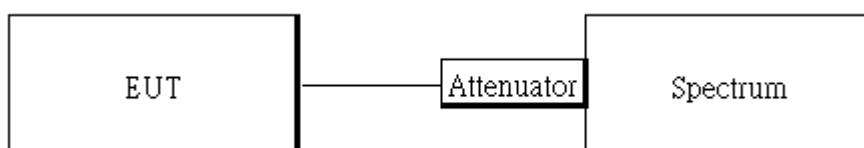
In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of Antenna exceeds 6dBi.

Note:

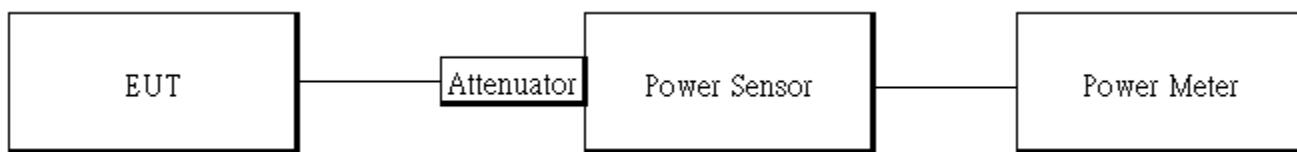
When the antenna gain is greater than 6 dBi, the power limit attenuated accordingly.

8.2 Test Setup

8.2.1 Duty Cycle



8.2.2 Output Power:



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8.3 Measurement Procedure

8.3.1 Duty Cycle:

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

8.3.2 Output Power

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter.

Power Meter:

It is used as the auxiliary test equipment to conduct the output power measurement.

4. Record the max. Reading as observed from Spectrum or Power Meter.

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

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8.4 Measurement Result

8.4.1 Duty Cycle:

Mode		Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11b		99.11	0.04	1.00	0.01
802.11g		98.25	0.08	1.98	0.01
802.11n_20		98.28	0.08	1.95	0.01
802.11n_40		96.77	0.14	3.70	4.00
Mode	RU Config	Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
802.11ax_20	Full	99.74	0.01	0.26	0.01
	26 RU	97.53	0.11	0.23	1.00
	52 RU	98.18	0.08	0.19	0.01
	106 RU	97.54	0.11	0.23	1.00
	242	96.28	0.16	0.39	1.00
802.11ax_40	Full	99.49	0.02	0.51	0.01
	242 RU	96.28	0.16	0.39	1.00
	484	92.06	0.36	0.86	1.00

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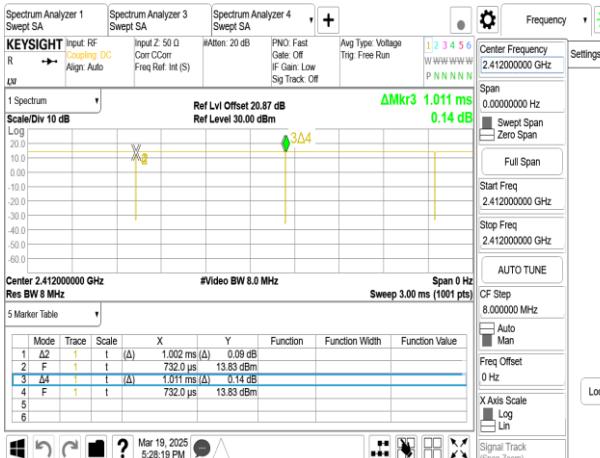
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8.4.2 Duty Cycle test plots

802.11b_20MHz_Chain0_2412MHz



802.11n_40MHz_Chain0_2412MHz



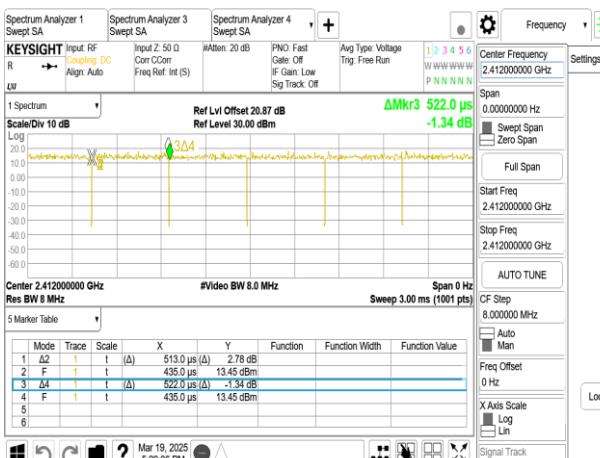
802.11g_20MHz_Chain0_2412MHz



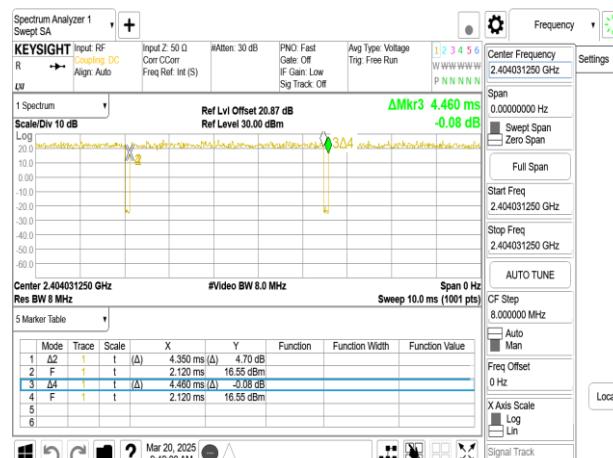
802.11ax_20MHz_Chain0_2412MHz



802.11n_20MHz_Chain0_2412MHz



802.11ax_20MHz_Chain0_2412MHz_RU26_0



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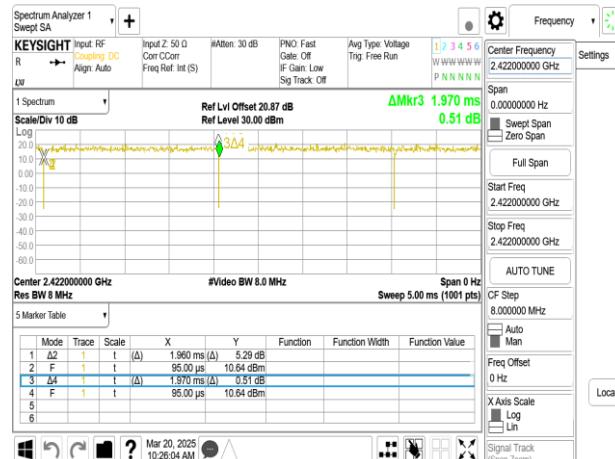
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802.11ax_20MHz_Chain0_2412MHz_RU52_37



802.11ax_40MHz_Chain0_2422MHz



802.11ax_20MHz_Chain0_2412MHz_RU106_53



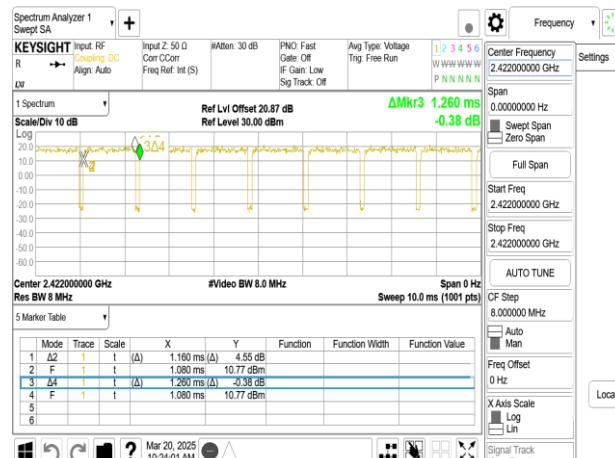
802.11ax_40MHz_Chain0_2422MHz_RU242_61



802.11ax_20MHz_Chain0_2412MHz_RU242_0



802.11ax_40MHz_Chain0_2422MHz_RU484_61



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8.4.3 Output Power

HW SKU: QCC743M-0P

802.11b Ch0							
CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	1	21	174.58	22.42	30.00	PASS
6	2437	1	21	171.79	22.35	30.00	PASS
11	2462	1	21	172.58	22.37	30.00	PASS
12	2467	1	15	44.87	16.52	30.00	PASS
13	2472	1	10	14.55	11.63	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	21	107.12	20.30	30.00	PASS
6	2437	1	21	103.96	20.17	30.00	PASS
11	2462	1	21	108.36	20.35	30.00	PASS
12	2467	1	15	26.72	14.27	30.00	PASS
13	2472	1	10	8.65	9.37	30.00	PASS

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802.11g Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	6	16	299.23	24.76	30.00	PASS
2	2417	6	17	333.43	25.23	30.00	PASS
3	2422	6	19	405.51	26.08	30.00	PASS
4	2427	6	20	439.54	26.43	30.00	PASS
5	2432	6	21	449.78	26.53	30.00	PASS
6	2437	6	22	475.34	26.77	30.00	PASS
7	2442	6	21	448.75	26.52	30.00	PASS
8	2447	6	20	428.55	26.32	30.00	PASS
9	2452	6	19	389.94	25.91	30.00	PASS
10	2457	6	18	367.28	25.65	30.00	PASS
11	2462	6	16	282.49	24.51	30.00	PASS
12	2467	6	13	160.69	22.06	30.00	PASS
13	2472	6	11	101.86	20.08	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	16	31.31	14.96	30.00	PASS
2	2417	6	17	38.08	15.81	30.00	PASS
3	2422	6	19	59.66	17.76	30.00	PASS
4	2427	6	20	74.76	18.74	30.00	PASS
5	2432	6	21	91.55	19.62	30.00	PASS
6	2437	6	22	112.63	20.52	30.00	PASS
7	2442	6	21	91.13	19.60	30.00	PASS
8	2447	6	20	73.90	18.69	30.00	PASS
9	2452	6	19	61.61	17.90	30.00	PASS
10	2457	6	18	47.94	16.81	30.00	PASS
11	2462	6	16	31.09	14.93	30.00	PASS
12	2467	6	13	16.62	12.21	30.00	PASS
13	2472	6	11	10.86	10.36	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	15	283.79	24.53	30.00	PASS
2	2417	MCS0	17	354.00	25.49	30.00	PASS
3	2422	MCS0	19	430.53	26.34	30.00	PASS
4	2427	MCS0	20	444.63	26.48	30.00	PASS
5	2432	MCS0	20	429.54	26.33	30.00	PASS
6	2437	MCS0	22	464.52	26.67	30.00	PASS
7	2442	MCS0	21	449.78	26.53	30.00	PASS
8	2447	MCS0	20	439.54	26.43	30.00	PASS
9	2452	MCS0	19	419.76	26.23	30.00	PASS
10	2457	MCS0	18	382.82	25.83	30.00	PASS
11	2462	MCS0	16	336.51	25.27	30.00	PASS
12	2467	MCS0	13	190.99	22.81	30.00	PASS
13	2472	MCS0	11	125.31	20.98	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	15	25.68	14.10	30.00	PASS
2	2417	MCS0	17	37.98	15.80	30.00	PASS
3	2422	MCS0	19	61.59	17.90	30.00	PASS
4	2427	MCS0	20	73.54	18.67	30.00	PASS
5	2432	MCS0	20	74.91	18.75	30.00	PASS
6	2437	MCS0	22	107.78	20.33	30.00	PASS
7	2442	MCS0	21	94.31	19.75	30.00	PASS
8	2447	MCS0	20	73.54	18.67	30.00	PASS
9	2452	MCS0	19	58.82	17.70	30.00	PASS
10	2457	MCS0	18	49.38	16.94	30.00	PASS
11	2462	MCS0	16	31.66	15.01	30.00	PASS
12	2467	MCS0	13	16.28	12.12	30.00	PASS
13	2472	MCS0	11	10.80	10.34	30.00	PASS

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802.11n_HT_40M Ch0

CH	Freq. (MHz)	Data Rate	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS0	13	124.45	20.95	30.00	PASS
4	2427	MCS0	14	157.76	21.98	30.00	PASS
5	2432	MCS0	16	276.06	24.41	30.00	PASS
6	2437	MCS0	17	289.73	24.62	30.00	PASS
8	2447	MCS0	17	314.05	24.97	30.00	PASS
9	2452	MCS0	16	242.66	23.85	30.00	PASS
10	2457	MCS0	15	219.28	23.41	30.00	PASS
11	2462	MCS0	13	136.14	21.34	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	13	16.08	12.06	30.00	PASS
4	2427	MCS0	14	20.38	13.09	30.00	PASS
5	2432	MCS0	16	30.64	14.86	30.00	PASS
6	2437	MCS0	17	37.35	15.72	30.00	PASS
8	2447	MCS0	17	36.92	15.67	30.00	PASS
9	2452	MCS0	16	30.92	14.90	30.00	PASS
10	2457	MCS0	15	24.90	13.96	30.00	PASS
11	2462	MCS0	13	15.86	12.00	30.00	PASS

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802.11ax HE 20M Ch6									
CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT	
1	2412	MCS 0	full	15	323.76	25.70	30.00	PASS	
			250	15	331.89	25.21	30.00	PASS	
			5237	15	265.46	24.24	30.00	PASS	
			10653	16	269.77	24.31	30.00	PASS	
			242	15	341.98	25.34	30.00	PASS	
2	2417	MCS 0	full	14	312.14	25.25	30.00	PASS	
			250	15	334.20	25.24	30.00	PASS	
			5237	17	368.98	25.67	30.00	PASS	
			10653	18	363.92	25.61	30.00	PASS	
			242	14	321.27	25.33	30.00	PASS	
3	2422	MCS 0	full	14	348.15	25.89	30.00	PASS	
			250	15	341.19	25.33	30.00	PASS	
			5237	17	373.25	25.72	30.00	PASS	
			10653	19	453.94	26.57	30.00	PASS	
			242	14	348.24	25.92	30.00	PASS	
4	2427	MCS 0	full	14	409.26	26.12	30.00	PASS	
			250	15	304.09	24.83	30.00	PASS	
			5237	17	381.94	25.82	30.00	PASS	
			10653	20	453.14	26.53	30.00	PASS	
			242	14	348.20	25.15	30.00	PASS	
5	2432	MCS 0	full	14	329.54	25.33	30.00	PASS	
			250	15	285.76	24.56	30.00	PASS	
			5237	21	502.34	27.01	30.00	PASS	
			10653	22	304.24	27.07	30.00	PASS	
			242	21	447.71	26.51	30.00	PASS	
6	2437	MCS 0	full	21	461.32	26.64	30.00	PASS	
			250	22	542.00	27.34	30.00	PASS	
			5237	22	521.19	27.04	30.00	PASS	
			10654	22	535.00	27.34	30.00	PASS	
			242	22	505.82	27.04	30.00	PASS	
7	2442	MCS 0	full	22	488.65	26.89	30.00	PASS	
			250	21	420.52	26.24	30.00	PASS	
			5237	23	420.53	25.34	30.00	PASS	
			268	15	285.76	24.56	30.00	PASS	
			5240	19	461.32	26.64	30.00	PASS	
8	2447	MCS 0	full	22	514.04	27.11	30.00	PASS	
			250	22	495.51	26.96	30.00	PASS	
			5237	18	438.53	25.42	30.00	PASS	
			268	15	303.39	24.82	30.00	PASS	
			5240	16	349.14	25.43	30.00	PASS	
9	2452	MCS 0	full	21	408.52	26.75	30.00	PASS	
			250	19	310.46	24.92	30.00	PASS	
			5240	18	289.73	24.62	30.00	PASS	
			10654	22	514.04	27.11	30.00	PASS	
			242	14	409.26	25.31	30.00	PASS	
10	2457	MCS 0	full	17	325.09	25.12	30.00	PASS	
			250	15	302.69	24.81	30.00	PASS	
			5240	16	331.13	25.20	30.00	PASS	
			10654	19	406.46	25.86	30.00	PASS	
			242	17	368.13	25.66	30.00	PASS	
11	2462	MCS 0	full	16	237.14	23.75	30.00	PASS	
			250	15	285.76	24.56	30.00	PASS	
			5240	16	347.54	25.41	30.00	PASS	
			10654	19	304.24	25.91	30.00	PASS	
			242	18	378.44	25.75	30.00	PASS	
12	2467	MCS 0	full	14	202.77	23.07	30.00	PASS	
			268	10	98.63	19.94	30.00	PASS	
			5240	16	174.40	20.86	30.00	PASS	
			10654	10	96.38	19.84	30.00	PASS	
			242	10	100.46	20.02	30.00	PASS	
13	2472	MCS 0	full	11	100.46	20.02	30.00	PASS	
			250	6	39.54	15.97	30.00	PASS	
			5240	6	39.50	15.94	30.00	PASS	
			10654	6	38.82	15.89	30.00	PASS	
			242	6	37.93	15.79	30.00	PASS	

802.11ax HE 20M Ch6									
CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT	
1	2412	MCS 0	full	15	25.00	13.98	30.00	PASS	
			250	15	24.11	14.46	30.00	PASS	
			5237	15	21.93	13.41	30.00	PASS	
			10653	16	30.75	14.88	30.00	PASS	
			242	15	24.86	13.95	30.00	PASS	
2	2417	MCS 0	full	17	36.90	15.67	30.00	PASS	
			250	15	25.66	14.42	30.00	PASS	
			5237	17	34.67	15.40	30.00	PASS	
			10653	17	44.96	15.53	30.00	PASS	
			242	17	37.88	15.78	30.00	PASS	
3	2422	MCS 0	full	15	48.75	15.88	30.00	PASS	
			250	15	47.72	15.41	30.00	PASS	
			5237	17	35.96	15.51	30.00	PASS	
			10653	19	58.86	17.70	30.00	PASS	
			242	18	46.82	15.70	30.00	PASS	
4	2427	MCS 0	full	14	47.98	15.86	30.00	PASS	
			250	15	23.60	13.73	30.00	PASS	
			5237	17	34.67	15.40	30.00	PASS	
			10653	18	44.96	15.53	30.00	PASS	
			242	17	37.88	15.78	30.00	PASS	
5	2432	MCS 0	full	21	107.89	20.33	30.00	PASS	
			10653	22	105.39	20.23	30.00	PASS	
			242	21	95.82	19.81	30.00	PASS	
			5240	21	58.78	17.70	30.00	PASS	
			242	20	75.59	18.78	30.00	PASS	
6	2437	MCS 0	full	14	61.38	14.26	30.00	PASS	
			250	15	52.57	13.66	30.00	PASS	
			5240	19	30.55	14.85	30.00	PASS	
			10654	21	95.24	19.79	30.00	PASS	
			242	19	61.73	17.90	30.00	PASS	
7	2442	MCS 0	full	15	47.58	15.76	30.00	PASS	
			250	15	57.76	15.22	30.00	PASS	
			5240	19	59.29	17.73	30.00	PASS	
			10654	22	105.86	20.29	30.00	PASS	
			242	20	75.59	18.78	30.00	PASS	
8	2447	MCS 0	full	14	61.38	14.26	30.00	PASS	
			250	15	52.57	13.66	30.00	PASS	
			5240	19	30.55	14.85	30.00	PASS	
			10654	21	95.24	19.79	30.00	PASS	
			242	19	61.73	17.90	30.00	PASS	
9	2452	MCS 0	full	14	47.58	15.76	30.00	PASS	
			250	15	23.93	13.79	30.00	PASS	
			5240	16	29.58	14.71	30.00	PASS	
			10654	19	60.09	17.79	30.00	PASS	
			242	14	49.14	15.51	30.00	PASS	
10	2457	MCS 0	full	14	19.36	12.87	30.00	PASS	
			250	10	7.51	8.76	30.00	PASS	
			5240	11	9.68	8.86	30.00	PASS	
			10654	10	8.55	8.72	30.00	PASS	
			242	10	10.13	10.46	30.00	PASS	
11	2462	MCS 0	full	14	10.35	10.15	30.00	PASS	
			5240	15	3.11	4.93	30.00	PASS	



802.11ax_HE_40M Ch0

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Peak Output Power (mW)	Peak Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS 0	full	14	226.99	23.56	30.00	PASS
			242/61	15	312.61	24.95	30.00	PASS
			484	13	308.32	24.89	30.00	PASS
4	2427	MCS 0	full	15	283.79	24.53	30.00	PASS
			242/61	15	348.34	25.42	30.00	PASS
			484	14	343.56	25.36	30.00	PASS
5	2432	MCS 0	full	16	325.09	25.12	30.00	PASS
			242/61	15	340.41	25.32	30.00	PASS
			484	16	339.63	25.31	30.00	PASS
6	2437	MCS 0	full	17	351.56	25.46	30.00	PASS
			242/61	15	342.77	25.35	30.00	PASS
			242/62	15	339.63	25.31	30.00	PASS
7	2442	MCS 0	484	15	369.83	25.68	30.00	PASS
			full	17	354.00	25.49	30.00	PASS
			242/62	14	314.05	24.97	30.00	PASS
8	2447	MCS 0	484	13	311.17	24.93	30.00	PASS
			full	16	322.85	25.09	30.00	PASS
			242/62	14	300.61	24.78	30.00	PASS
9	2452	MCS 0	484	12	282.49	24.51	30.00	PASS
			full	15	288.40	24.60	30.00	PASS
			242/62	14	295.80	24.71	30.00	PASS
10	2457	MCS 0	484	11	235.50	23.72	30.00	PASS
			full	15	276.69	24.42	30.00	PASS
			242/62	13	248.31	23.95	30.00	PASS
11	2462	MCS 0	484	10	190.99	22.81	30.00	PASS
			full	13	174.98	22.43	30.00	PASS
			242/62	6	50.23	17.01	30.00	PASS
			484	9	148.25	21.71	30.00	PASS

802.11ax_HE_40M Ch0

CH	Freq. (MHz)	Data Rate	RU Config	Power Setting	Avg. Output Power (mW)	Avg. Output Power (dBm)	Limit (dBm)	RESULT
3	2422	MCS 0	full	14	19.64	12.93	30.00	PASS
			242/61	15	24.52	13.89	30.00	PASS
			484	13	16.63	12.21	30.00	PASS
4	2427	MCS 0	full	15	24.28	13.85	30.00	PASS
			242/61	15	25.61	14.08	30.00	PASS
			484	14	20.51	13.12	30.00	PASS
5	2432	MCS 0	full	16	30.15	14.79	30.00	PASS
			242/61	15	24.46	13.88	30.00	PASS
			484	16	31.91	15.04	30.00	PASS
6	2437	MCS 0	full	17	36.66	15.64	30.00	PASS
			242/61	15	24.40	13.87	30.00	PASS
			242/62	15	26.21	14.18	30.00	PASS
7	2442	MCS 0	484	15	26.60	14.25	30.00	PASS
			full	17	36.16	15.58	30.00	PASS
			242/62	14	20.11	13.03	30.00	PASS
8	2447	MCS 0	484	13	16.75	12.24	30.00	PASS
			full	16	31.28	14.95	30.00	PASS
			242/62	14	20.77	13.17	30.00	PASS
9	2452	MCS 0	484	12	13.39	11.27	30.00	PASS
			full	15	24.96	13.97	30.00	PASS
			242/62	14	20.53	13.12	30.00	PASS
10	2457	MCS 0	484	11	11.35	10.55	30.00	PASS
			full	15	25.07	13.99	30.00	PASS
			242/62	13	16.39	12.14	30.00	PASS
11	2462	MCS 0	484	10	8.97	9.53	30.00	PASS
			full	13	14.76	11.69	30.00	PASS
			242/62	6	3.38	5.28	30.00	PASS
			484	9	7.21	8.58	30.00	PASS

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9 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

9.1 Standard Applicable

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. In addition, radiated emissions which fall in the restricted bands must also comply with the §15.209 limit as below.

And according to §15.33(a) (1), for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

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

Note:

1. The lower limit shall apply at the transition frequencies.

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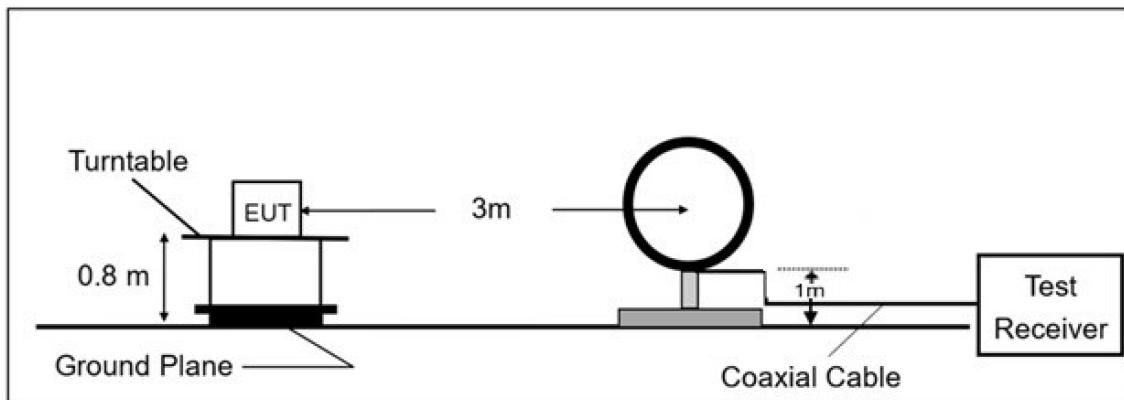
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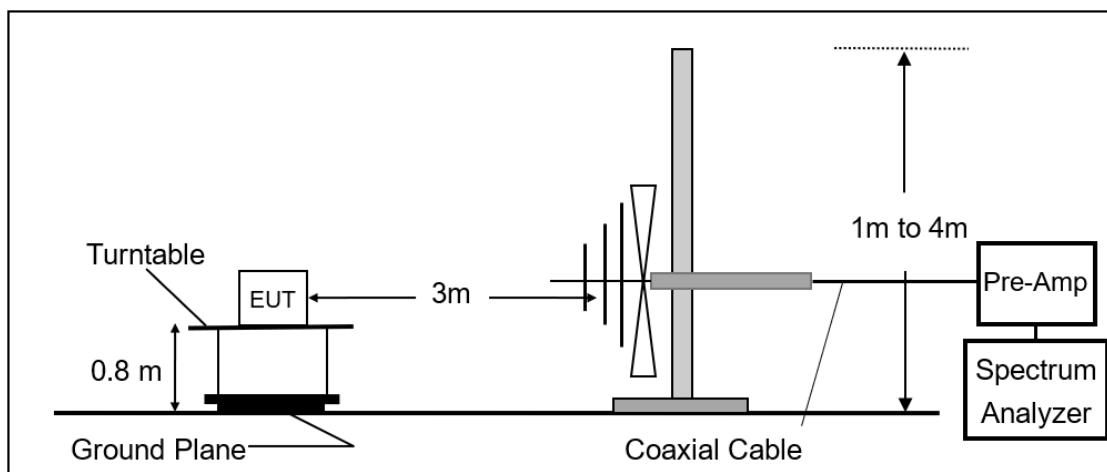
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9.2 Test Setup

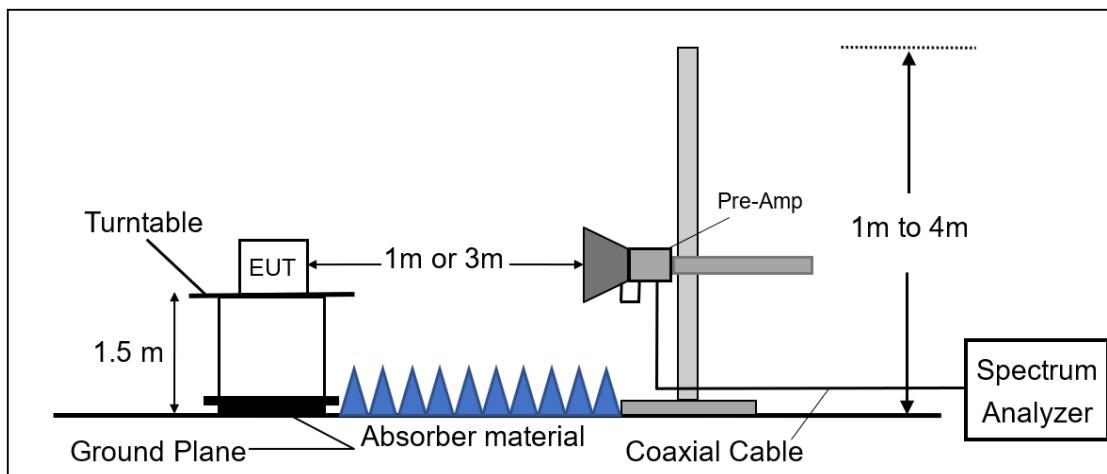
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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9.3 Measurement Procedure

1. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
2. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz.
6. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Maximum Emission Measurements at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW \geq 1/T (Duty cycle < 98%) for Average Emission Measurements at frequency above 1 GHz.
9. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
12. Repeat above procedures until all default test channel measured were complete.

9.4 Field Strength Calculation

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

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

Where FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

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

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Actual $FS(dB\mu V/m) = SPA. Reading\ level(dB\mu V) + Factor(dB)$

$Factor(dB) = Antenna\ Factor(dB\mu V/m) + Cable\ Loss(dB) - Pre_Amplifier\ Gain(dB)$

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

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

9.6 Measurement Result

Note:

1. Refer to next page spectrum analyzer data chart and tabular data sheets.
2. Measurements are completed at peak and average level, the mark of average is the highest emission in restricted bands

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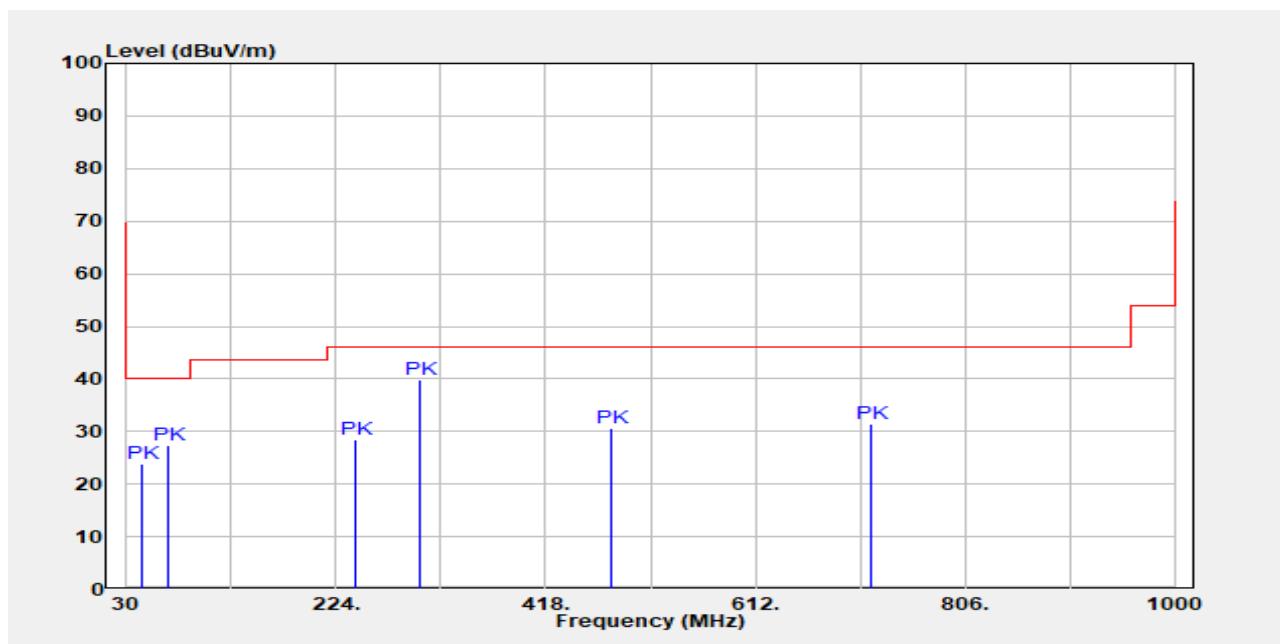
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9.6.1 Spurious Emission:

Report Number :TERF2503001016ER
Operation Mode :802.11g
Test Frequency :2437 MHz
Test Mode :Tx
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-03-21
Temp./Humi. :22.5°C/59%
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	Detector Mode	Spectrum		Factor	Actual FS	Limit @3m	Margin
		Reading	Level dB μ V				
43.580	Peak	36.55	-12.80	23.75	40.00	-16.25	
67.830	Peak	41.74	-14.31	27.42	40.00	-12.58	
241.460	Peak	42.29	-13.95	28.34	46.00	-17.66	
301.600	Peak	51.70	-11.76	39.94	46.00	-6.06	
479.110	Peak	37.56	-7.06	30.50	46.00	-15.50	
719.670	Peak	33.84	-2.48	31.36	46.00	-14.64	

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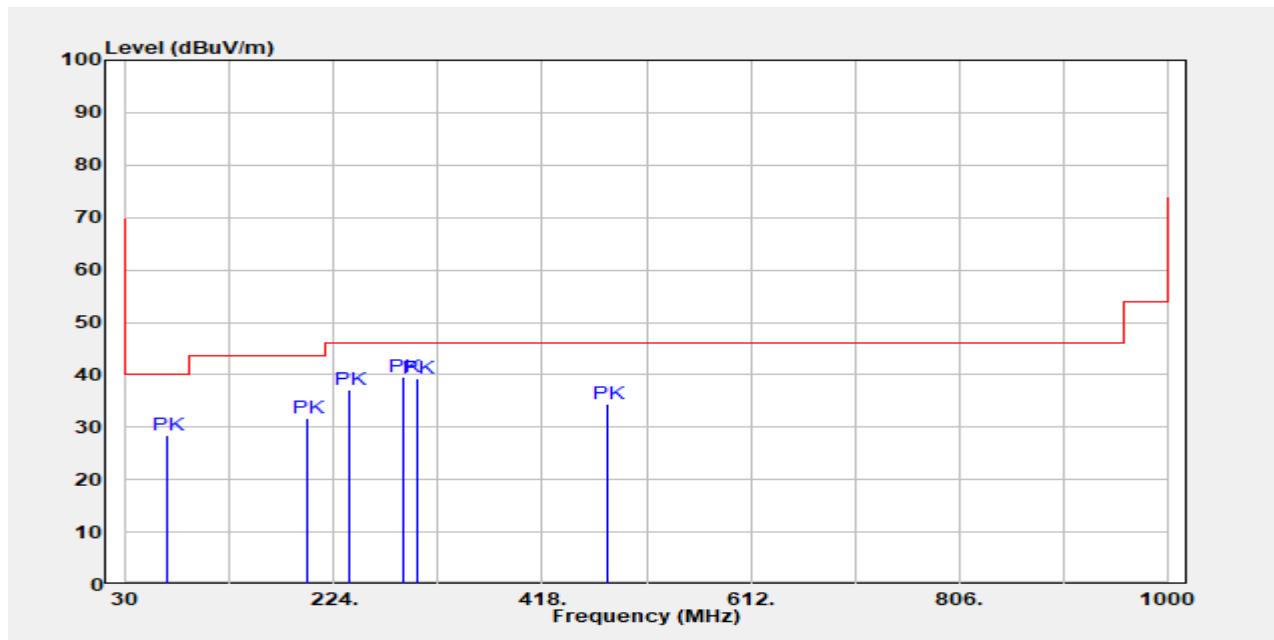
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Report Number :TERF2503001016ER
Operation Mode :802.11g
Test Frequency :2437 MHz
Test Mode :Tx
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-03-21
Temp./Humi. :22.5°C/59%
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual	Limit	Margin
				FS dB μ V/m	@3m dB μ V/m	dB
68.800	Peak	43.12	-14.77	28.34	40.00	-11.66
199.750	Peak	47.34	-15.77	31.58	43.50	-11.92
238.550	Peak	51.35	-14.13	37.22	46.00	-8.78
288.020	Peak	51.64	-12.01	39.64	46.00	-6.36
301.600	Peak	51.08	-11.76	39.31	46.00	-6.69
479.110	Peak	41.42	-7.06	34.36	46.00	-11.64

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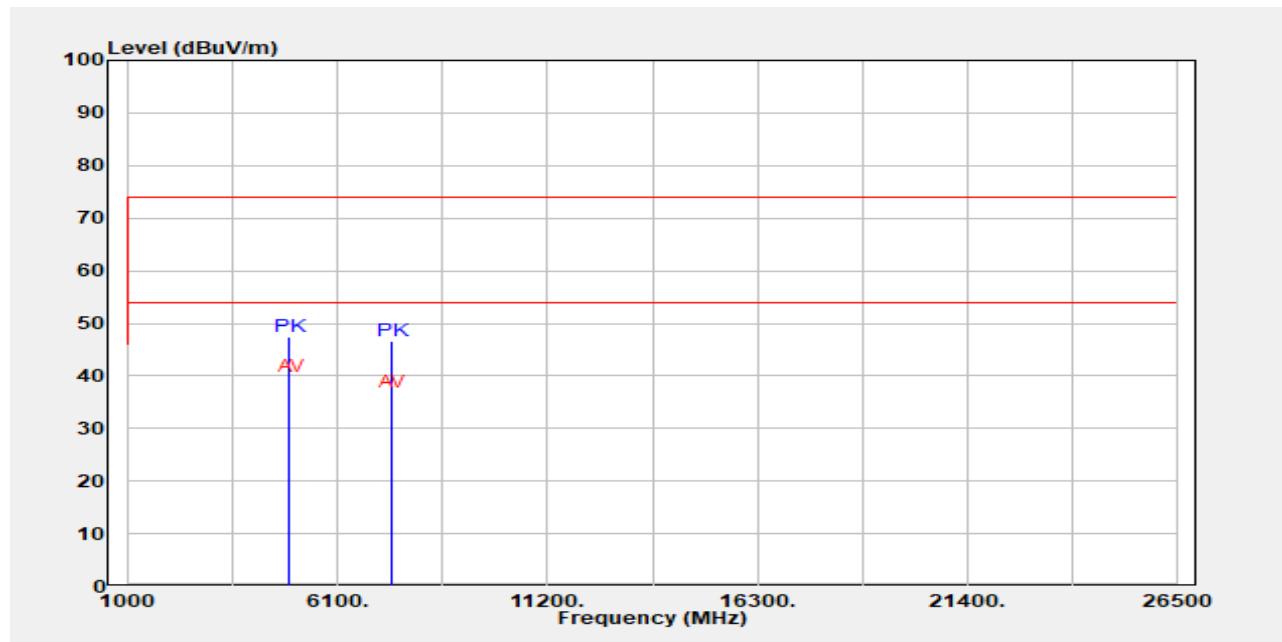
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Report Number :TERF2503001016ER
Operation Mode :802.11b
Test Frequency :2462 MHz
Test Mode :Tx
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-03-21
Temp./Humi. :22.5°C/59%
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual	Limit	Margin
				FS dB μ V/m	@3m dB μ V/m	dB
4924.000	Peak	44.72	2.65	47.37	74.00	-26.63
4924.000	Average	37.09	2.65	39.74	54.00	-14.26
7386.000	Peak	39.52	7.10	46.62	74.00	-27.38
7386.000	Average	29.72	7.10	36.82	54.00	-17.18

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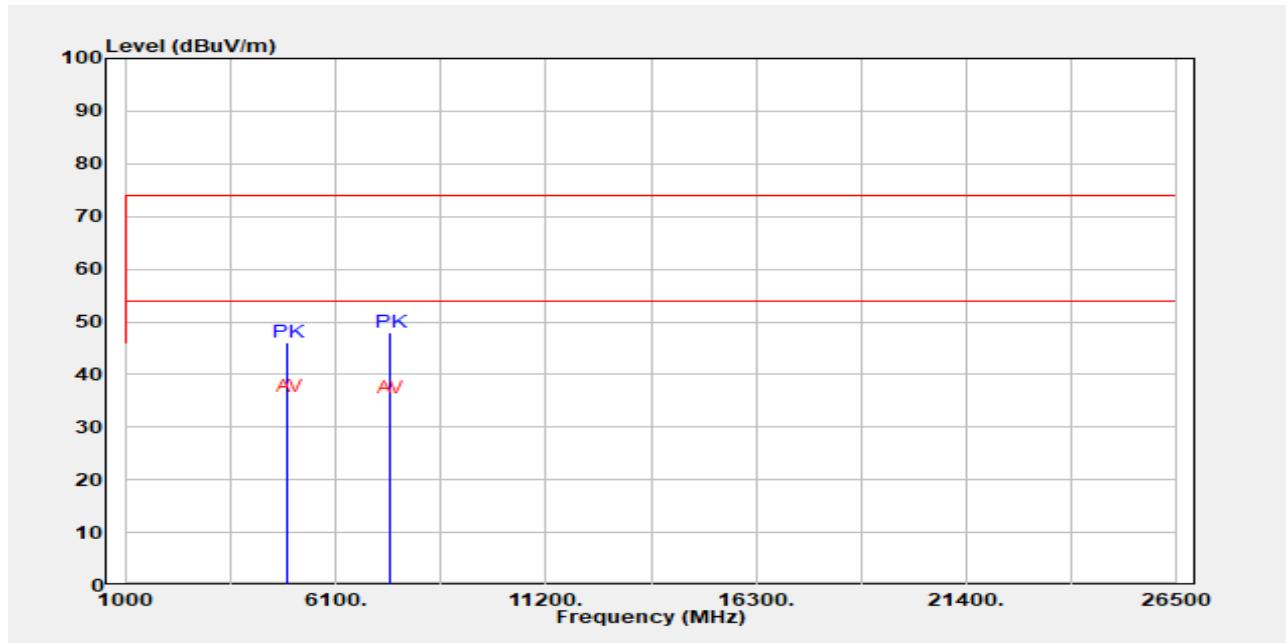
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Report Number :TERF2503001016ER
Operation Mode :802.11b
Test Frequency :2462 MHz
Test Mode :Tx
EUT Pol :H Plane

Test Site :SAC 2
Test Date :2025-03-21
Temp./Humi. :22.5°C/59%
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	Detector Mode	Spectrum Reading Level dB μ V	Factor dB	Actual	Limit	Margin
				FS dB μ V/m	@3m dB μ V/m	dB
4924.000	Peak	43.31	2.65	45.96	74.00	-28.04
4924.000	Average	33.25	2.65	35.90	54.00	-18.10
7386.000	Peak	40.88	7.10	47.98	74.00	-26.02
7386.000	Average	28.45	7.10	35.55	54.00	-18.45

~ End of Report ~

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