

ELECTROMAGNETIC EMISSIONS
COMPLIANCE TEST REPORT

Applicant: Askey Computer Corporation
10F, No. 119, Jiankang Rd., Zhonghe Dist., New Taipei City,
Taiwan

Manufacturer: Askey Computer Corporation
10F, No. 119, Jiankang Rd., Zhonghe Dist., New Taipei City,
Taiwan

Product Name: 5G NR Sub 6 WiFi 7 Router

Brand Name: Verizon

Model No.: ASK-NCM1100

Model Difference: N/A

Report Number: TERF2309002275E2

FCC ID H8N-ASK-NCM1100

Date of EUT Received: August 4, 2023

Date of Test: August 4, 2023 ~ October 26, 2023

Issue Date: November 13, 2023

Approved By

Vito Pei

Vito Pei

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 and §15.407.

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
TERF2309002275E2	00	Original.	November 13, 2023	Susan Lin	

Note:

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

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1 GENERAL INFORMATION

1.1 Product Description

Product Name:	5G NR Sub 6 WiFi 7 Router
Brand Name:	Verizon
Model No.:	ASK-NCM1100
Model Difference:	N/A
Hardware Version:	Rev4
Firmware Version:	SDK 2.0.6
EUT Series No.:	ACD33200232
Power Supply:	12V
Test Software (Name/Version):	Tera Term 4,68,0,0

1.2 Modulation & Data Rate

WLAN 2.4G

Wi-Fi	Frequency Range	Channels	Modulation Technology
802.11b	2412~2462	11	DSSS
802.11g	2412~2462	11	OFDM
802.11n20	2412~2462	11	OFDM
802.11n40	2422~2452	7	OFDM
802.11be20	2412~2462	11	OFDMA
802.11be40	2422~2452	7	OFDMA
Modulation type:		CCK, DQPSK, DBPSK for DSSS	
		64QAM, 16QAM, QPSK, BPSK for OFDM	
		4096 QAM, 1024 QAM, 256 QAM , 64QAM, 16QAM, QPSK, BPSK for OFDMA	
Data Rate:		802.11 b: 1/2/5.5/11 Mbps	
		802.11 g: 6/9/12/18/24/36/48/54 Mbps	
		802.11 n_20MHz:up to 288.8Mbps	
		802.11 n_40MHz:up to 600Mbps	
		802.11 ax_20MHz:up to 573.6Mbps	
		802.11 ax_40MHz:up to 1147.2Mbps	
		802.11 be_20MHz:up to 688.2Mbps	
		802.11 be_40MHz:up to 1376.5Mbps	

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Wi-Fi	Frequency Range	Channels	Modulation Technology
802.11a 802.11n 802.11be 20M	5180~5240	4	OFDM
	5260~5320	4	OFDMA
	5500~5720	12	OFDMA
	5745~5825	5	OFDMA
802.11n 802.11be 40M	5190~5230	2	OFDMA
	5270~5310	2	OFDM
	5510~5710	6	OFDMA
	5755~5795	2	OFDMA
802.11ac 802.11be 80M	5210	1	OFDMA
	5290	1	OFDMA
	5530~5690	3	OFDM
	5775	1	OFDM
802.11ac 802.11be 160M	5250	1	OFDM
	5570	1	OFDM

Modulation type:	64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11a,11n
	256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11ac
	1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA in 802.11ax
	4096QAM, 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA in 802.11be
Transition Rate:	802.11 a: 6 - 54 Mbps
	802.11 n_20MHz: up to 288.8 Mbps
	802.11 n_40MHz: up to 600 Mbps
	802.11 ac_20MHz: up to 346.8 Mbps
	802.11 ac_40MHz: up to 800 Mbps
	802.11 ac_80MHz: up to 1733.2 Mbps
	802.11 ac_160MHz: up to 3466.8 Mbps
	802.11 ax_20MHz: up to 573.6 Mbps
	802.11 ax_40MHz: up to 1147.2 Mbps
	802.11 ax_80MHz: up to 2402 Mbps
	802.11 ax_160MHz: up to 4804 Mbps
	802.11 be_20MHz: up to 688.2 Mbps
	802.11 be_40MHz: up to 1376.5 Mbps
	802.11 be_80MHz: up to 2882.4 Mbps
	802.11 be_160MHz: up to 5764.8 Mbps

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Wi-Fi	Frequency Range	Channels
a n_HT ac_VHT 20MHz	5955~6415	24
	6435~6515	5
	6535~6875	18
	6895~7095	11
n_HT ac_VHT 40MHz	5965~6405	12
	6445~6525	3
	6565~6845	8
	6885~7085	6
ac_VHT 80MHz	5985~6385	6
	6465	1
	6545~6865	5
	6945~7025	2
ac_VHT 160MHz	6025~6345	3
	6505	1
	6665~6825	2
	6985	1

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Wi-Fi	Frequency Range	Channels
ax_HE be_EHT 20MHz	5955~6415	24
	6435~6515	5
	6535~6875	18
	6895~7095	11
ax_HE be_EHT 40MHz	5965~6405	12
	6445~6525	3
	6565~6845	8
	6885~7085	6
ax_HE be_EHT 80MHz	5985~6385	6
	6465	1
	6545~6865	5
	6945~7025	2
ax_HE be_EHT 160MHz	6025~6345	3
	6505	1
	6665~6825	2
	6985	1
be_EHT 320MHz	6105~6265	3
	6425	1
	6585~6745	2
	6905	1

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Modulation type:	64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11a,11n
	256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11ac
	1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA in 802.11ax
	4096QAM, 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA in 802.11be
Transition Rate:	802.11 a: 6 - 54 Mbps
	802.11 n_20MHz: up to 288.8 Mbps
	802.11 n_40MHz: up to 600 Mbps
	802.11 ac_20MHz: up to 346.8 Mbps
	802.11 ac_40MHz: up to 800 Mbps
	802.11 ac_80MHz: up to 1733.2 Mbps
	802.11 ac_160MHz: up to 3466.8 Mbps
	802.11 ax_20MHz: up to 573.6 Mbps
	802.11 ax_40MHz: up to 1147.2 Mbps
	802.11 ax_80MHz: up to 2402 Mbps
	802.11 ax_160MHz: up to 4804 Mbps
	802.11 be_20MHz: up to 688.2 Mbps
	802.11 be_40MHz: up to 1376.5 Mbps
	802.11 be_80MHz: up to 2882.4 Mbps
	802.11 be_160MHz: up to 5764.8 Mbps
	802.11 be_320MHz: up to 11529.6 Mbps

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1.3 Antenna Designation

WLAN 2.4G

Antenna Type	Antenna No.	Freq. (MHz)	Peak Antenna Gain (dBi)
PCB	Antenna 11	2412~2462	2.66
	Antenna 12	2412~2462	4.49
	Antenna 13	2412~2462	3.49
	Antenna 14	2412~2462	3.24

WLAN 5G

Antenna Type	Antenna No.	Freq. (MHz)	Peak Antenna Gain (dBi)
PCB	Antenna 11	5150~5250	3.12
		5250~5350	4.73
		5470~5725	2.94
		5725~5850	1.09
	Antenna 12	5150~5250	3.69
		5250~5350	3.33
		5470~5725	3.35
		5725~5850	3.51
	Antenna 13	5150~5250	2.82
		5250~5350	3.32
		5470~5725	2.19
		5725~5850	2.36
	Antenna 14	5150~5250	4.06
		5250~5350	3.43
		5470~5725	2.98
		5725~5850	2.89

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WLAN 6E

Antenna Type	Antenna No.	Freq. (MHz)	Peak Antenna Gain (dBi)
PCB	Antenna 21	5925~6425	4.53
		6425~6525	3.57
		6525~6875	4.28
		6875~7125	2.53
	Antenna 22	5925~6425	5.74
		6425~6525	4.54
		6525~6875	4.65
		6875~7125	3.36
	Antenna 23	5925~6425	5.01
		6425~6525	3.40
		6525~6875	3.39
		6875~7125	3.91
	Antenna 24	5925~6425	4.13
		6425~6525	4.08
		6525~6875	4.26
		6875~7125	5.52

Note:

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

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1.4 Test Methodology of Applied Standards

FCC Part 15, Subpart E §15.407

FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10:2013

1.5 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designa- tion 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	TW0027	TW3702
		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	
		SAC C		
		SAC D		
		SAC G		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
Conducted G				
Note: Test site name is remarked on the equipment list in each section of this report as an indica- tion where measurements occurred in specific test site and address.				

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1.6 Special Accessories

There are no special accessories used while test was conducted.

1.7 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 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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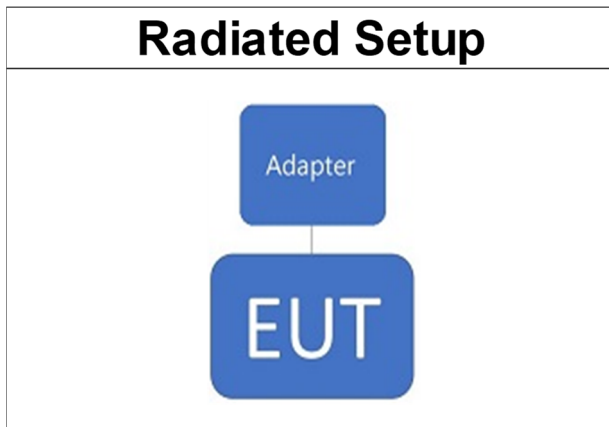
2.4 Measurement Results Explanation Example

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.

2.5 Test Configuration



2.6 Control Unit(s)

Radiated Emission Test Site:					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Adapter	MASS POWER	S065-1B120500VU	N/A	N/A	N/A
Notebook	Lenovo	T440p	P0000665	N/A	N/A

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3 SUMMARY OF TEST RESULT

FCC Rules	Description Of Test	Result
§15.205 §15.209 §15.407(b)	Undesirable Radiated Emissions	Compliant

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4 DESCRIPTION OF TEST MODES

4.1 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 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.

Modulation	Data Rate
802.11 be	MCS0~MCS13

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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5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
Undesignable radiated emission measurement	+/- 1.68 dB
Temperature	+/- 0.7 °C
Humidity	+/- 3 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty				
Polarization: Vertical	+/-	2.8	dB	9kHz~30MHz
	+/-	4.82	dB	30MHz - 1000MHz
	+/-	4.37	dB	1GHz - 18GHz
	+/-	4.21	dB	18GHz - 40GHz
Polarization: Horizontal	+/-	2.8	dB	9kHz~30MHz
	+/-	4.54	dB	30MHz - 1000MHz
	+/-	4.37	dB	1GHz - 18GHz
	+/-	4.21	dB	18GHz - 40GHz

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 UNDESIRABLE RADIATED EMISSION MEASUREMENT

6.1 Standard Applicable

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

6.1.1 5150~5850 MHz

Applicable to	Operation Freq. (MHz)	EIRP		Field Strength @ 3m (dBμV/m)
		Freq. (MHz)	Limits (dBm/MHz)	
15.407(b)(1) RSS-247 §6.2.1.2	5150~5250	$f \leq 5150$ $f \geq 5350$	PK: -27	PK: 68.2
15.407(b)(2) RSS-247 §6.2.2.2	5250~5350			
15.407(b)(3) RSS-247 §6.2.3.2	5475~5725	$f \leq 5470$ $f \geq 5725$		
15.407(b)(4)(i) RSS-247 §6.2.4.2	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

6.1.2 Spurious Emission

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

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

Note:

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

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6.2 Measurement Equipment Used:

Radiated Emission Test Site:					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	SCHWARZBECK	VULB 9168	1206	01/17/2023	01/16/2024
Horn Antenna	RF SPIN	DRH18-E	210105A18E	04/18/2023	04/17/2024
Loop Antenna	ETS.LINDGREN	6502	14303	05/23/2023	05/22/2024
3m Site NSA	SGS	966 chamber G	N/A	03/30/2023	03/29/2024
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	07/17/2023	07/16/2024
Pre-Amplifier	EMC Instruments	EMC330N	980781	03/15/2023	03/14/2024
Pre-Amplifier	EMC Instruments	EMC118A45SE	980815	03/15/2023	03/14/2024
Coaxial Cable	EMC Instruments	EMCCFD400-NM- NM-8000-5000- 2000	210216 、 210217 、 210218	03/15/2023	03/14/2024
Coaxial Cable	EMC Instruments	EMC104-SM-SM- 8000-5000-5000	210219 、 210220 、 210221	03/15/2023	03/14/2024

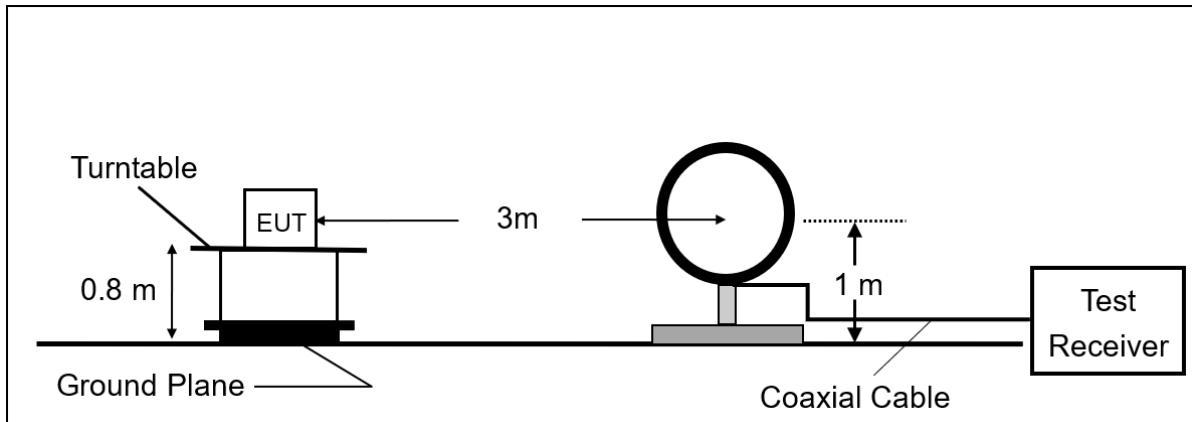
NOTE: N.C.R refers to Not Calibrated Required.

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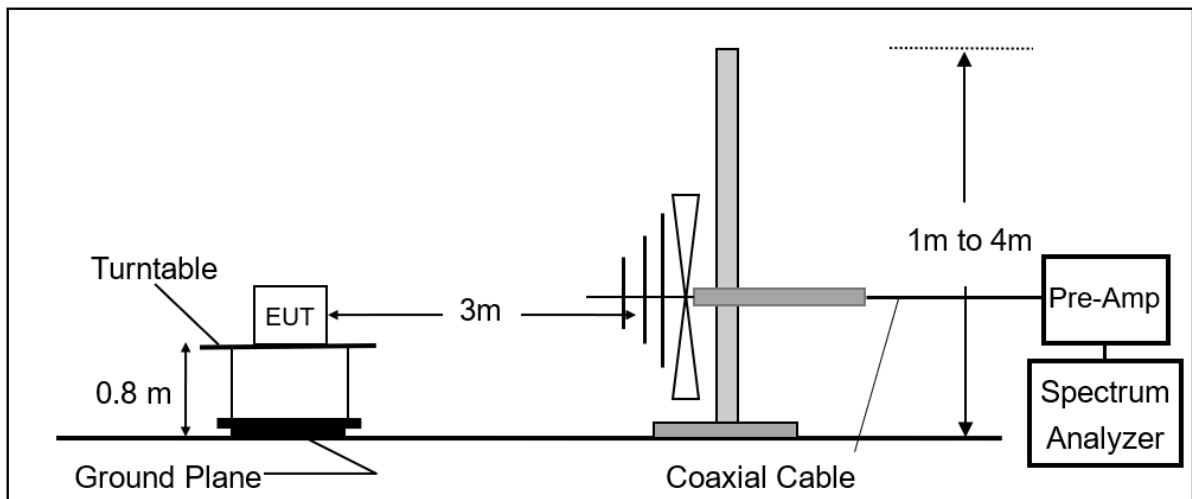
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6.3 Test Setup

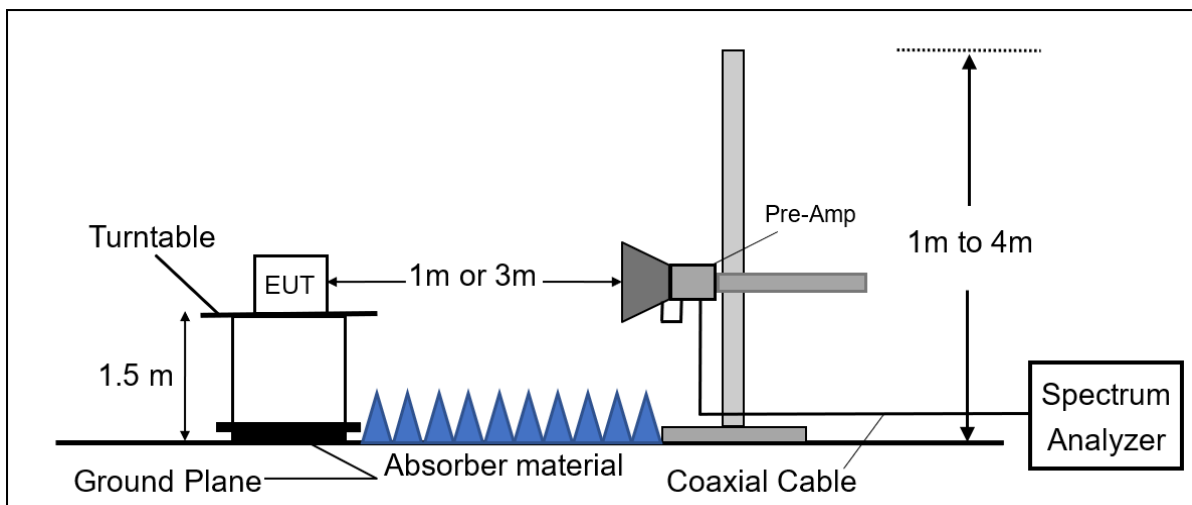
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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6.4 Measurement Procedure

1. The testing follows FCC KDB 789033 D02.
2. The EUT was placed on a turn table with 0.8m for frequency < 1GHz and 1.5m for frequency > 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz
6. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Maximum Emission Measurements at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 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 frequency measured were complete.

6.5 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
RA = Reading Amplitude
AF = Antenna Factor

CL = Cable Attenuation Factor (Cable Loss)
AG = Amplifier Gain

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

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

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

6.6 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.

Pre-scan was done at frequency 5.47 GHz and 5.85 GHz for bandedge measurement of straddle channels 138, 142 and 144 which was 20dB lower than the limit per 15.31(o) was not reported.

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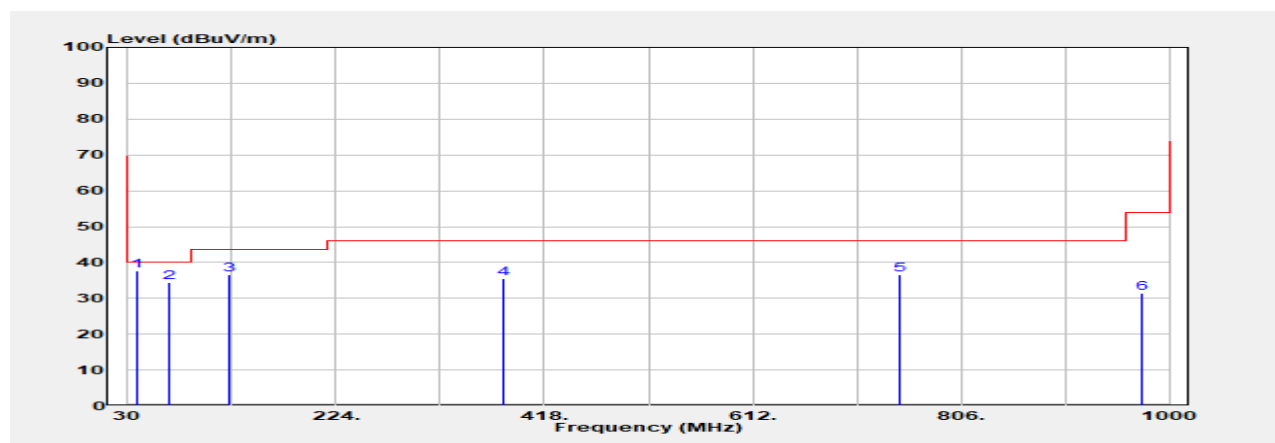
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6.7 Radiated Spurious Emission Measurement Result

6.7.1 Spurious Emission

Report Number	:TERF2309002275E2	Test Site	:SAC G Chamber
Operation Mode	:Multi-Link Operation	Test Date	:2023-10-26
Test Frequency	:2437 MHz+5210 MHz+6140 MHz	Temp./Humi.	:23.6°C/57%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Temo Chen

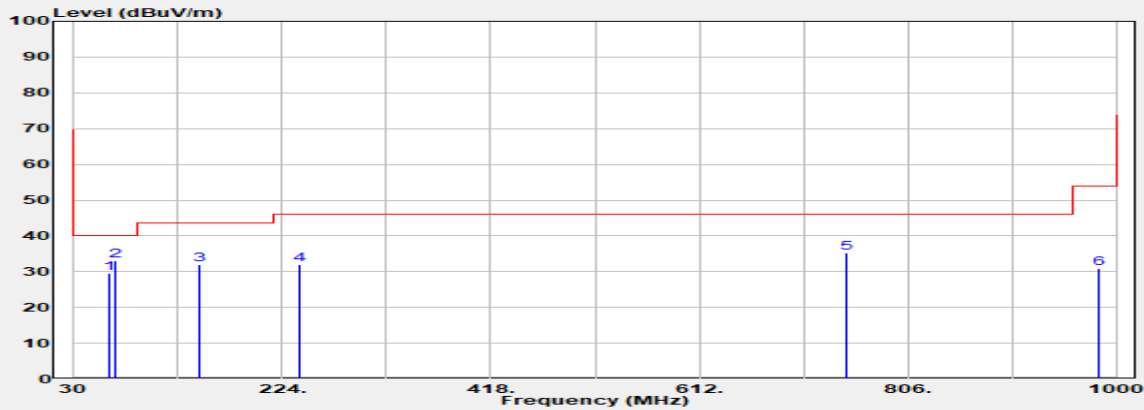


Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
38.730	QP	51.30	-13.59	37.71	40.00	-2.29
68.800	QP	49.20	-14.80	34.40	40.00	-5.60
125.060	Peak	51.55	-14.99	36.56	43.50	-6.94
380.170	Peak	45.29	-9.74	35.56	46.00	-10.44
749.740	Peak	38.78	-2.06	36.72	46.00	-9.28
973.810	Peak	30.42	0.92	31.34	54.00	-22.66

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Report Number	:TERF2309002275E2	Test Site	:SAC G Chamber
Operation Mode	:Multi-Link Operation	Test Date	:2023-10-26
Test Frequency	:2437 MHz+5210 MHz+6140 MHz	Temp./Humi.	:23.6°C/57%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Temo Chen



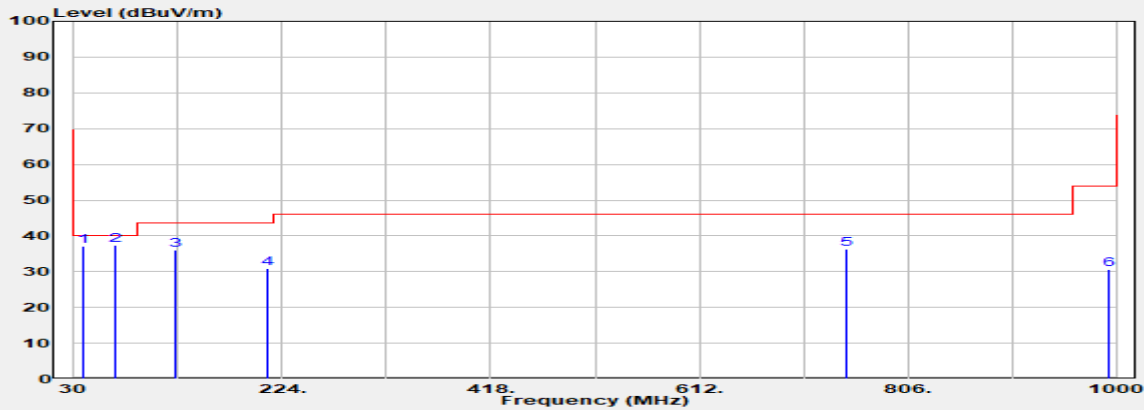
Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
62.010	Peak	43.25	-13.73	29.52	40.00	-10.48
68.800	Peak	47.99	-14.80	33.19	40.00	-6.81
147.370	Peak	44.73	-12.78	31.95	43.50	-11.55
240.490	Peak	46.09	-14.07	32.01	46.00	-13.99
749.740	Peak	37.42	-2.06	35.36	46.00	-10.64
983.510	Peak	30.11	0.80	30.91	54.00	-23.09

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Report Number :TERF2309002275E2
Operation Mode :Multi-Link Operation
Test Frequency :2437 MHz+5210 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC G Chamber
Test Date :2023-10-26
Temp./Humi. :23.6°C/57%
Antenna Pol. :Vertical
Engineer :Temo Chen



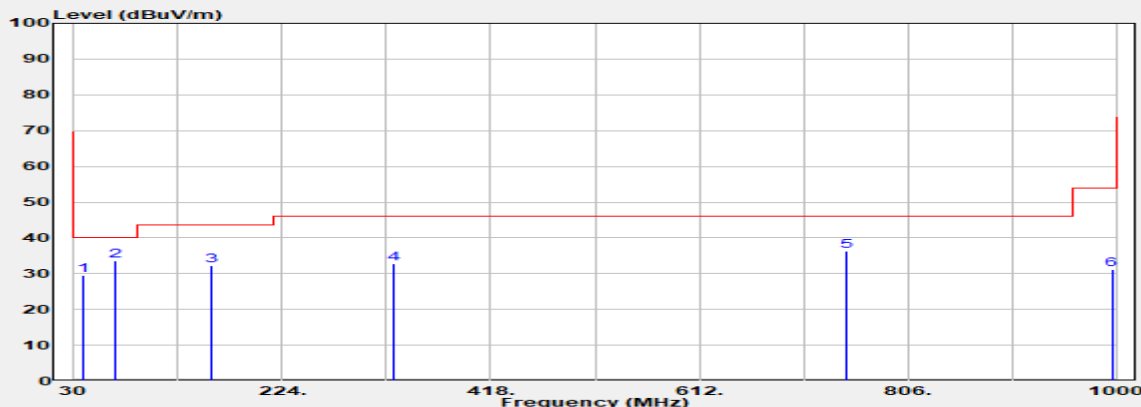
Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
38.730	QP	50.80	-13.59	37.21	40.00	-2.79
68.800	QP	52.30	-14.80	37.50	40.00	-2.50
125.060	Peak	51.06	-14.99	36.07	43.50	-7.43
210.420	Peak	46.98	-16.04	30.94	43.50	-12.56
749.740	Peak	38.35	-2.06	36.29	46.00	-9.71
994.180	Peak	29.90	0.64	30.54	54.00	-23.46

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Report Number :TERF2309002275E2
Operation Mode :Multi-Link Operation
Test Frequency :2437 MHz+5210 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC G Chamber
Test Date :2023-10-26
Temp./Humi. :23.6°C/57%
Antenna Pol. :Horizontal
Engineer :Temo Chen



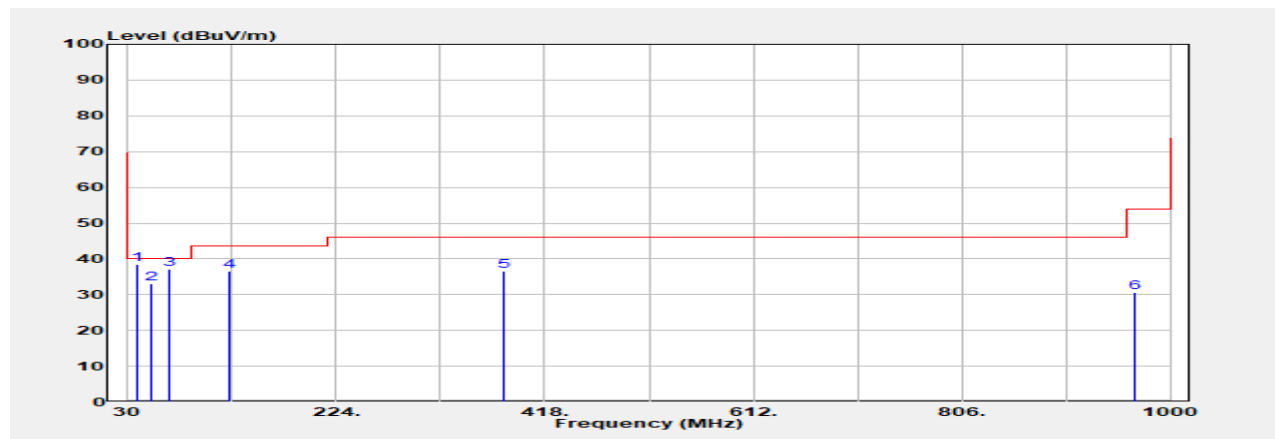
Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
38.730	Peak	43.17	-13.59	29.58	40.00	-10.42
68.800	Peak	48.49	-14.80	33.69	40.00	-6.31
158.040	Peak	44.68	-12.54	32.14	43.50	-11.36
326.820	Peak	44.01	-11.31	32.71	46.00	-13.29
749.740	Peak	38.33	-2.06	36.27	46.00	-9.73
996.120	Peak	30.46	0.59	31.06	54.00	-22.94

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Report Number :TERF2309002275E2
 Operation Mode :Multi-Link Operation
 Test Frequency :2437 MHz+6140 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G Chamber
 Test Date :2023-10-26
 Temp./Humi. :23.6°C/57%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



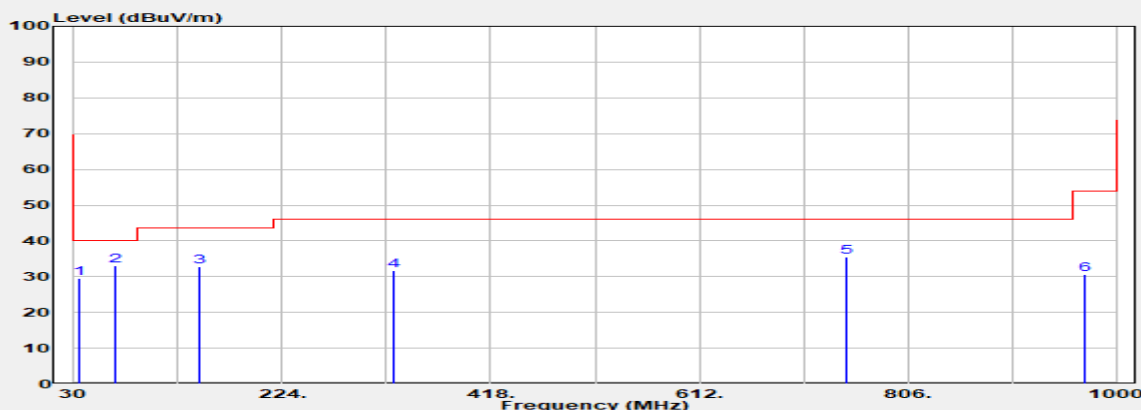
Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
38.730	QP	52.10	-13.59	38.51	40.00	-1.49
51.340	QP	45.30	-12.37	32.93	40.00	-7.07
68.800	QP	51.90	-14.80	37.10	40.00	-2.90
125.060	Peak	51.61	-14.99	36.61	43.50	-6.89
380.170	Peak	46.30	-9.74	36.56	46.00	-9.44
967.990	Peak	29.63	0.91	30.53	54.00	-23.47

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Report Number :TERF2309002275E2
 Operation Mode :Multi-Link Operation
 Test Frequency :2437 MHz+6140 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G Chamber
 Test Date :2023-10-26
 Temp./Humi. :23.6°C/57%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



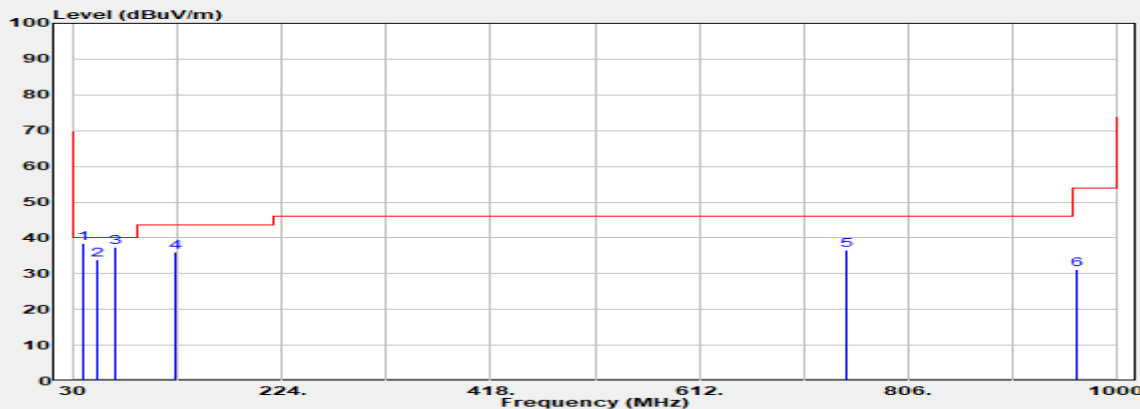
Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
34.850	Peak	43.70	-14.03	29.67	40.00	-10.33
68.800	Peak	47.76	-14.80	32.96	40.00	-7.04
147.370	Peak	45.54	-12.78	32.76	43.50	-10.74
327.790	Peak	43.03	-11.28	31.75	46.00	-14.25
749.740	Peak	37.69	-2.06	35.63	46.00	-10.37
970.900	Peak	29.83	0.92	30.75	54.00	-23.25

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Report Number :TERF2309002275E2
 Operation Mode :Multi-Link Operation
 Test Frequency :5210 MHz+6140 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G Chamber
 Test Date :2023-10-26
 Temp./Humi. :23.6°C/57%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



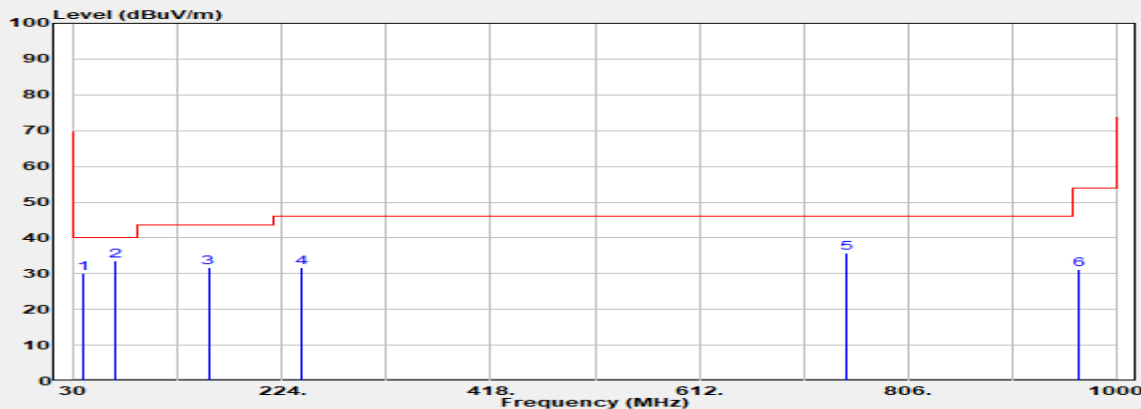
Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
38.730	QP	52.20	-13.59	38.61	40.00	-1.39
51.340	QP	46.30	-12.37	33.93	40.00	-6.07
68.800	QP	52.30	-14.80	37.50	40.00	-2.50
125.060	Peak	51.12	-14.99	36.13	43.50	-7.37
749.740	Peak	38.60	-2.06	36.54	46.00	-9.46
964.110	Peak	30.18	0.88	31.05	54.00	-22.95

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Report Number :TERF2309002275E2
Operation Mode :Multi-Link Operation
Test Frequency :5210 MHz+6140 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC G Chamber
Test Date :2023-10-26
Temp./Humi. :23.6°C/57%
Antenna Pol. :Horizontal
Engineer :Temo Chen

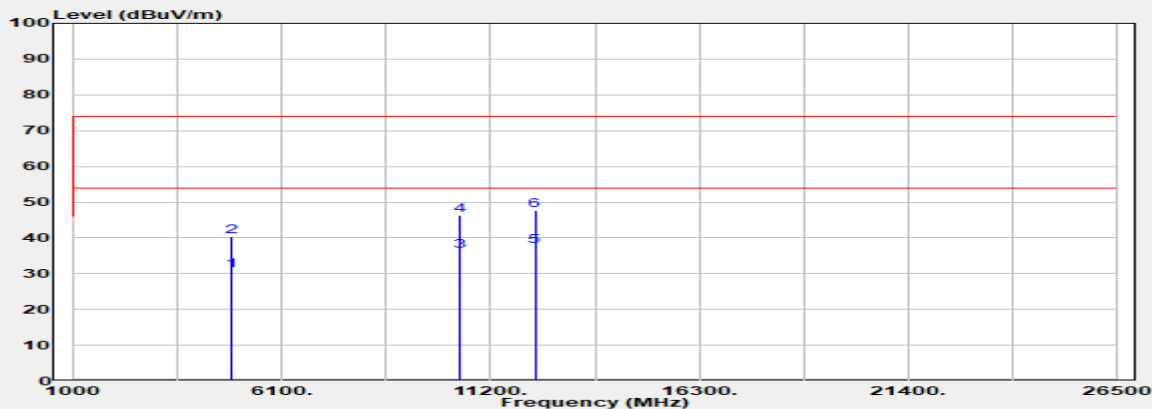


Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
38.730	Peak	43.72	-13.59	30.14	40.00	-9.86
68.800	Peak	48.34	-14.80	33.54	40.00	-6.46
155.130	Peak	44.21	-12.49	31.72	43.50	-11.78
241.460	Peak	45.69	-14.04	31.64	46.00	-14.36
749.740	Peak	37.93	-2.06	35.86	46.00	-10.14
965.080	Peak	30.26	0.88	31.15	54.00	-22.85

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Report Number	:TERF2309002275E2	Test Site	:SAC G Chamber
Operation Mode	:Multi-Link Operation	Test Date	:2023-10-6
Test Frequency	:2437 MHz+5210 MHz+6140 MHz	Temp./Humi.	:23.5°C/55%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Temo Chen

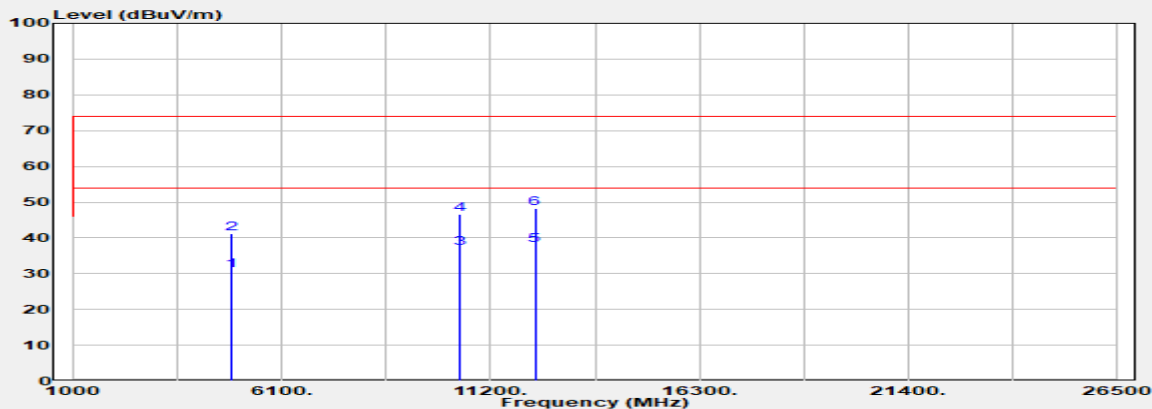


Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
4874.000	Average	27.44	3.35	30.79	54.00	-23.21
4874.000	Peak	37.03	3.35	40.38	74.00	-33.62
10420.000	Average	26.85	9.58	36.43	54.00	-17.57
10420.000	Peak	36.77	9.58	46.35	74.00	-27.65
12280.000	Average	27.05	10.66	37.71	54.00	-16.29
12280.000	Peak	37.10	10.66	47.76	74.00	-26.24

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Report Number	:TERF2309002275E2	Test Site	:SAC G Chamber
Operation Mode	:Multi-Link Operation	Test Date	:2023-10-6
Test Frequency	:2437 MHz+5210 MHz+6140 MHz	Temp./Humi.	:23.5°C/55%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Temo Chen



Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
4874.000	Average	27.57	3.35	30.92	54.00	-23.08
4874.000	Peak	37.86	3.35	41.22	74.00	-32.78
10420.000	Average	27.51	9.58	37.09	54.00	-16.91
10420.000	Peak	37.10	9.58	46.68	74.00	-27.32
12280.000	Average	27.22	10.66	37.88	54.00	-16.12
12280.000	Peak	37.62	10.66	48.28	74.00	-25.72

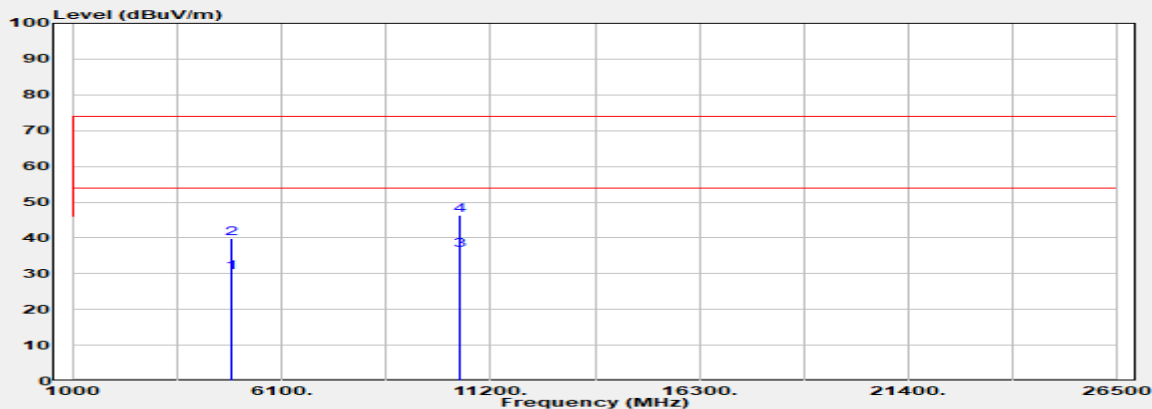
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Report Number :TERF2309002275E2
Operation Mode :Multi-Link Operation
Test Frequency :2437 MHz+5210 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC G Chamber
Test Date :2023-10-6
Temp./Humi. :23.5°C/55%
Antenna Pol. :Vertical
Engineer :Temo Chen



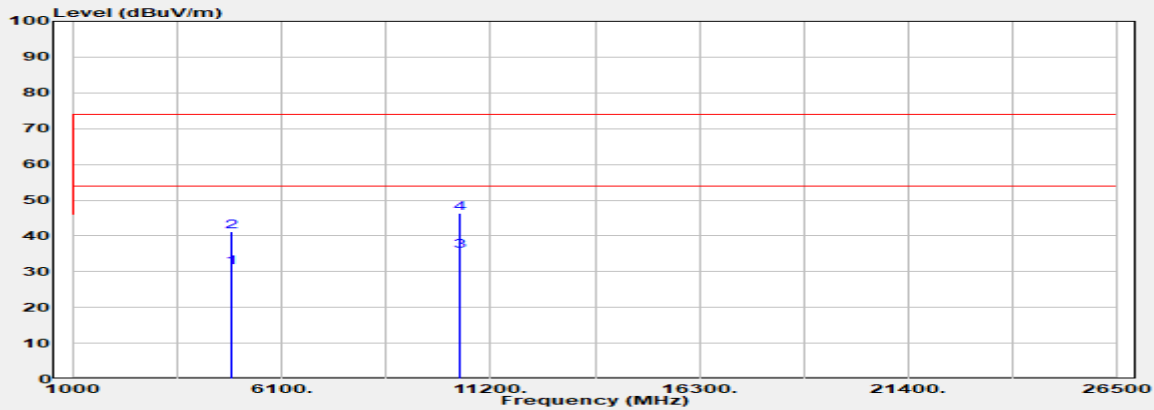
Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
4874.000	Average	27.06	3.35	30.41	54.00	-23.59
4874.000	Peak	36.47	3.35	39.82	74.00	-34.18
10420.000	Average	27.13	9.58	36.71	54.00	-17.29
10420.000	Peak	36.76	9.58	46.34	74.00	-27.66

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Report Number :TERF2309002275E2
 Operation Mode :Multi-Link Operation
 Test Frequency :2437 MHz+5210 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G Chamber
 Test Date :2023-10-6
 Temp./Humi. :23.5°C/55%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



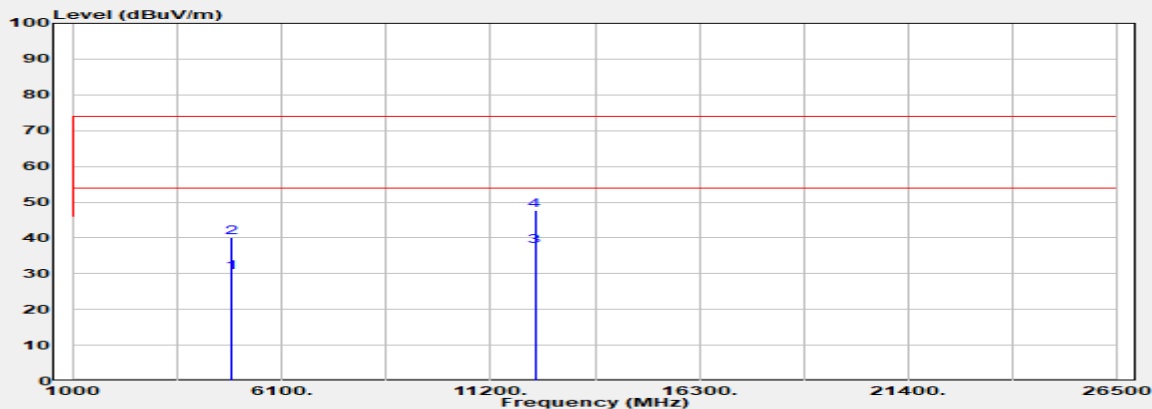
Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
4874.000	Average	27.93	3.35	31.28	54.00	-22.72
4874.000	Peak	37.97	3.35	41.32	74.00	-32.68
10420.000	Average	26.08	9.58	35.66	54.00	-18.34
10420.000	Peak	36.87	9.58	46.45	74.00	-27.55

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Report Number :TERF2309002275E2
Operation Mode :Multi-Link Operation
Test Frequency :2437 MHz+6140 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC G Chamber
Test Date :2023-10-6
Temp./Humi. :23.5°C/55%
Antenna Pol. :Vertical
Engineer :Temo Chen



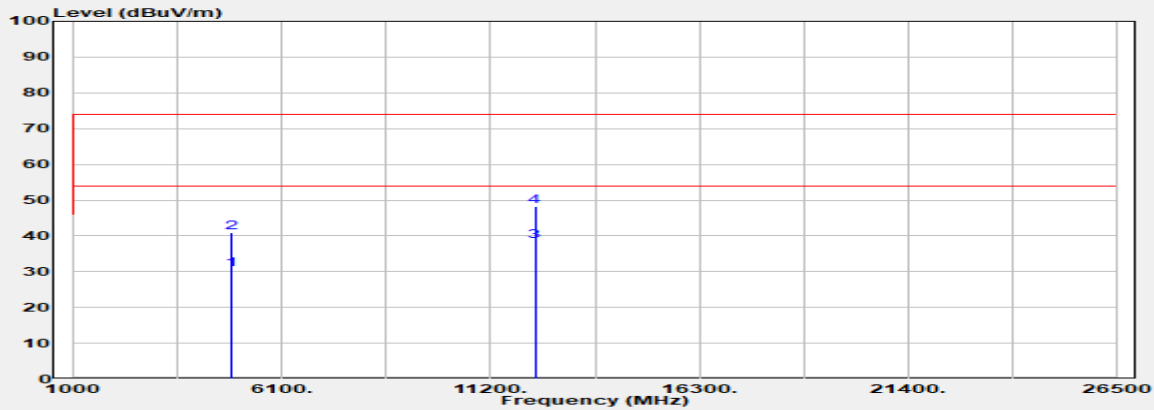
Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
4874.000	Average	26.87	3.35	30.22	54.00	-23.78
4874.000	Peak	36.73	3.35	40.08	74.00	-33.92
12280.000	Average	27.09	10.66	37.75	54.00	-16.25
12280.000	Peak	37.01	10.66	47.67	74.00	-26.33

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Report Number :TERF2309002275E2
 Operation Mode :Multi-Link Operation
 Test Frequency :2437 MHz+6140 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G Chamber
 Test Date :2023-10-6
 Temp./Humi. :23.5°C/55%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



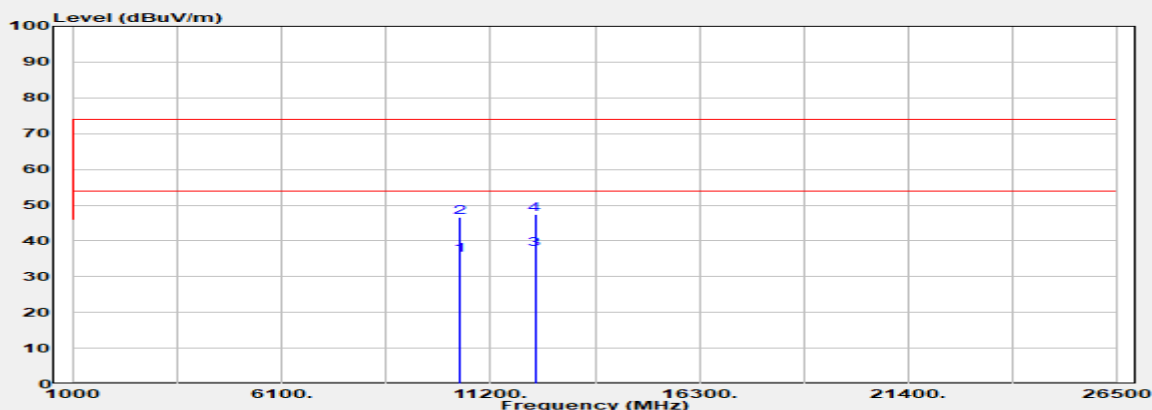
Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
4874.000	Average	27.40	3.35	30.75	54.00	-23.25
4874.000	Peak	37.64	3.35	40.99	74.00	-33.01
12280.000	Average	27.69	10.66	38.35	54.00	-15.65
12280.000	Peak	37.67	10.66	48.33	74.00	-25.67

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Report Number :TERF2309002275E2
 Operation Mode :Multi-Link Operation
 Test Frequency :5210 MHz+6140 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G Chamber
 Test Date :2023-10-6
 Temp./Humi. :23.5°C/55%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10420.000	Average	26.39	9.58	35.97	54.00	-18.03
10420.000	Peak	36.96	9.58	46.54	74.00	-27.46
12280.000	Average	26.93	10.66	37.59	54.00	-16.41
12280.000	Peak	36.89	10.66	47.55	74.00	-26.45

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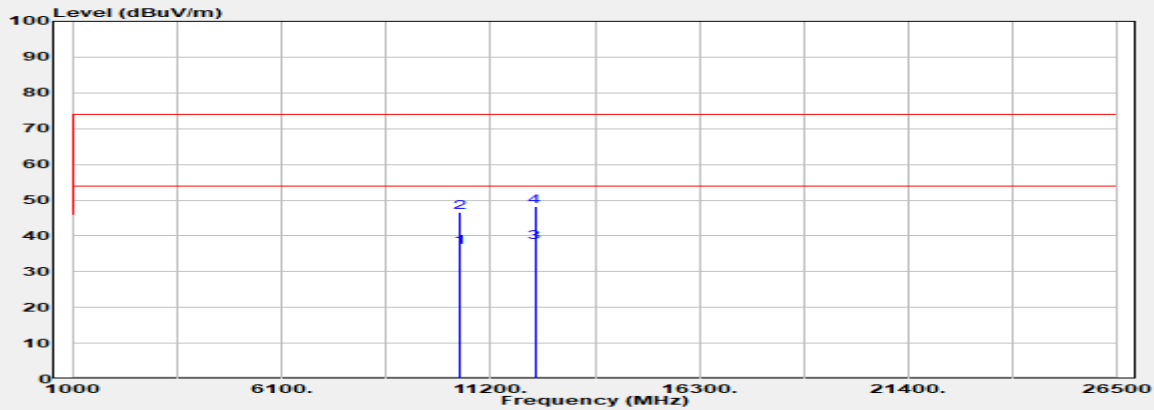
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Member of SGS Group

Report Number :TERF2309002275E2
 Operation Mode :Multi-Link Operation
 Test Frequency :5210 MHz+6140 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G Chamber
 Test Date :2023-10-6
 Temp./Humi. :23.5°C/55%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10420.000	Average	27.34	9.58	36.92	54.00	-17.08
10420.000	Peak	36.95	9.58	46.53	74.00	-27.47
12280.000	Average	27.57	10.66	38.23	54.00	-15.77
12280.000	Peak	37.53	10.66	48.19	74.00	-25.81

~ End of Report ~

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