

# ELECTROMAGNETIC EMISSIONS **COMPLIANCE TEST REPORT**



Applicant: Manufacturer:	Askey Computer Corporation 10F, No. 119, Jiankang Rd., Zhonghe Dist., New Taipei City, Taiwan 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 $\sim$ October 26, 2023
Issue Date:	November 13, 2023

Vit, Pei

Approved By

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.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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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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#### **GENERAL INFORMATION** 1

#### 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**

G				
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	
		CCK, DQPSK, DBPSK for DSSS		
Modulatio	n tyne:	64QAM, 16QAM, QPSK, BPSK for OFDM		
Modulation type:		4096 QAM, 1024 QAM, 256 QAM , 64QAM, 16QAM, QPSK, BPSK for OFDMA		
		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		
Data F	Pata:	802.11 n_40MHz:up to 600Mbps		
Data Rate:		802.11 ax_20MHz:up to 573.6Mbps		
		802.11 ax_40MHz:ι	ip to 1147.2Mbps	
		802.11 be_20MHz:u	up to 688.2Mbps	
		802.11 be_40MHz:up to 1376.5Mbps		

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	1			
Wi-Fi	Frequency Range	Channels	Modulation Technology	
000.44-	5180~5240	4	OFDM	
802.11a 802.11n	5260~5320	4	OFDMA	
802.11be 20M	5500~5720	12	OFDMA	
20101	5745-5825	5	OFDMA	
	5190~5230	2	OFDMA	
802.11n 802.11be	5270~5310	2	OFDM	
40M	5510~5710	6	OFDMA	
	5755-5795	2	OFDMA	
	5210	1	OFDMA	
802.11ac 802.11be	5290	1	OFDMA	
80M	5530~5690	3	OFDM	
	5775	1	OFDM	
802.11ac	5250	1	OFDM	
802.11be 160M	5570	1	OFDM	
	64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11a,11n 256QAM, 64QAM, 16QAM, QPSK, BPSK			
Modulation type:	for OFDM in 802.11ac			
woodlaaton type.	1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA in 802.11ax			
	4096QAM, 1024QAM, 256QAM, 64QAM, 16QAM,			
	QPSK, BPSK for OFDMA in 802.11be			
	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			
Transition Date:	802.11 ac_160MHz: up to 3466.8 Mbps			
Transition Rate:	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			ps	

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

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

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		64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11a,11n
Modulation type:	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
		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
Trong	sition Rate:	802.11 ax_20MHz: up to 573.6 Mbps
Tan	SILUTI Rale.	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)
РСВ	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)
		5150~5250	3.12
	Antenna 11	5250~5350	4.73
	Antenna Ti	5470~5725	2.94
		5725~5850	1.09
		5150~5250	3.69
	Antenna 12	5250~5350	3.33
	Antenna 12	5470~5725	3.35
РСВ		5725~5850	3.51
	Antenna 13	5150~5250	2.82
		5250~5350	3.32
		5470~5725	2.19
		5725~5850	2.36
		5150~5250	4.06
	Automa d d	5250~5350	3.43
	Antenna 14	5470~5725	2.98
		5725~5850	2.89

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### WLAN 6E

Antenna Type	Antenna No.	Freq. (MHz)	Peak Antenna Gain (dBi)
		5925~6425	4.53
	Antenna 21	6425~6525	3.57
	Antenna 21	6525~6875	4.28
		6875~7125	2.53
		5925~6425	5.74
	Antenna 22	6425~6525	4.54
		6525~6875	4.65
РСВ		6875~7125	3.36
100	Antenna 23	5925~6425	5.01
		6425~6525	3.40
		6525~6875	3.39
		6875~7125	3.91
		5925~6425	4.13
	Antenna 24	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		
		SAC 1				
		SAC 2				
		SAC 3				
	No. 404 Min Kuran Deed, Now Toinei	Conduction 1				
	No.134, Wu Kung Road, New Taipei	Conducted 1	T\4/0007			
	Industrial Park, Wuku District, New	Conducted 2	TW0027	TW3702		
	Taipei City, Taiwan.	Conducted 3				
		Conducted 4	-			
		Conducted 5				
SGS Taiwan Ltd.		Conducted 6				
Central RF Lab.	No.2, Keji 1st Rd., Guishan District,	Conduction C				
(TAF code 3702)		SAC C				
		SAC D				
		SAC G				
		Conducted A				
		Conducted B	TW0028			
	Taoyuan City, Taiwan 333	Conducted C				
		Conducted D				
		Conducted E				
		Conducted F				
		Conducted G				
<b>Note:</b> 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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#### SYSTEM TEST CONFIGURATION 2

#### 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 a 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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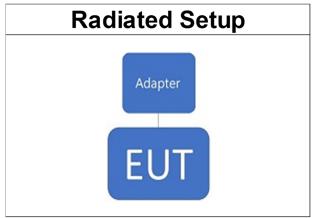
#### 2.4 **Measurement Results Explanation Example**

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

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	Adapter MASS POWER S065-1B120500VU		N/A	N/A	N/A		
Notebook	Lenovo	T440p	P0000665	N/A	N/A		

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#### SUMMARY OF TEST RESULT 3

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

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#### DESCRIPTION OF TEST MODES 4

#### The Worst Test Modes and Channel Details 4.1

- 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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#### **MEASUREMENT UNCERTAINTY** 5

Test Items	Un	certain	ty
Undesignable radiated emission measure- ment	+/-	1.68	dB
Temperature	+/-	0.7	°C
Humidity	+/-	3	%
DC / AC Power Source	+/-	1	%

Radiated Spurious Emission Measurement Uncertainty					
	+/-	2.8	dB	9kHz~30MHz	
Polarization: Vertical	+/-	4.82	dB	30MHz - 1000MHz	
Polarization: vertical	+/-	4.37	dB	1GHz - 18GHz	
	+/-	4.21	dB	18GHz - 40GHz	
	+/-	2.8	dB	9kHz~30MHz	
Polarization: Horizontal	+/-	4.54	dB	30MHz - 1000MHz	
Folarization: Horizontal	+/-	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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#### UNDESIRABLE RADIATED EMISSION MEASUREMENT 6

#### 6.1 Standard Applicable

EIRP =  $((E^*d)^2) / 30$ , 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	Operation	EIRP		Field Strength	
to	Freq. (MHz)	Freq. (MHz)	Limits (dBm/MHz)	@ 3m	
15.407(b)(1) RSS-247 §6.2.1.2	5150~5250	f ≤ 5150			
15.407(b)(2) RSS-247 §6.2.2.2	5250~5350	f ≥ 5350	PK: -27	PK: 68.2	
15.407(b)(3) RSS-247 §6.2.3.2	5475~5725	f ≤ 5470 f ≥ 5725			
		at 75 MHz or more above or be- low the band edge	PK:-27	PK: 68.2	
15.407(b)(4)(i) RSS-247 §6.2.4.2	5725~5850	increasing linearly from 75~25MHz above or below the band edge	PK:-27~10	PK: 68.2~105.2	
K33-247 90.2.4.2		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:

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.

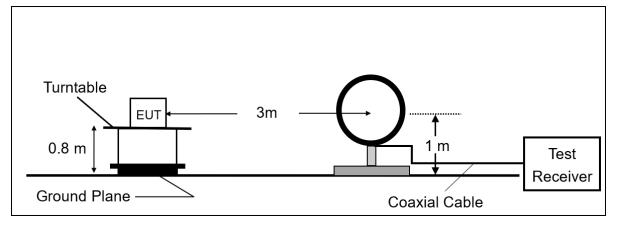
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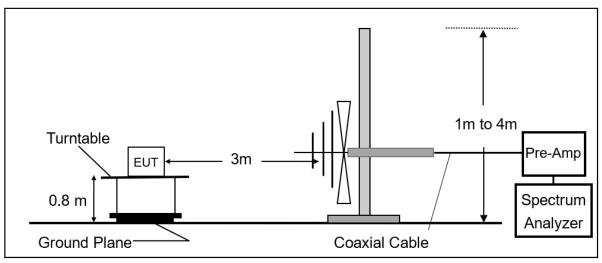


#### 6.3 Test Setup

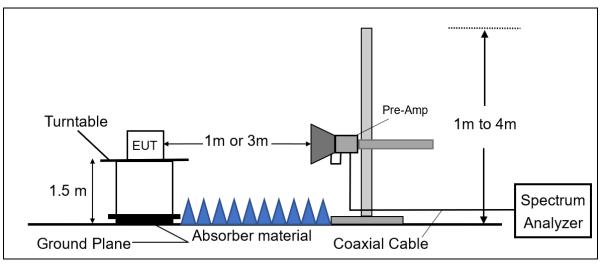
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



## (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.
- 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.</li>
- **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 *CL* = Cable Attenuation Factor (Cable Loss) *AG* = Amplifier Gain

AF = Antenna Factor

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

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

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Factor(dB) = Antenna Factor(dB $\mu$ V/m) + Cable Loss(dB) – Pre\_Amplifier Gain(dB)

#### Test Results of Radiated Spurious Emissions from 9 kHz to 30 MHz 6.6

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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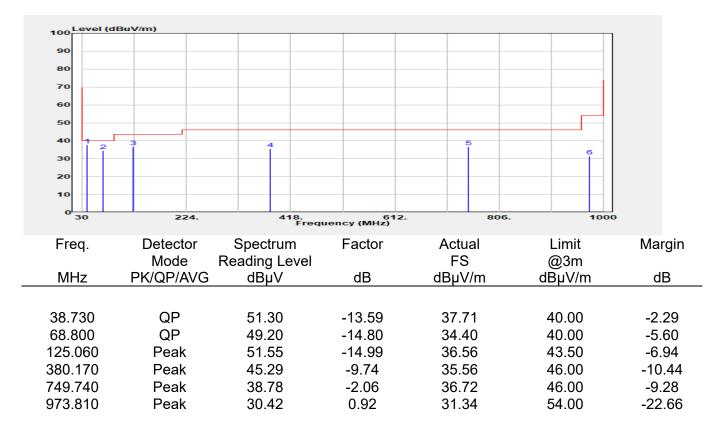
No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號 SGS Taiwan Ltd.



#### 6.7 **Radiated Spurious Emission Measurement Result**

#### 6.7.1 **Spurious Emission**

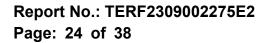
Report Number	:TERF2309002275E2	Test Site	:SAC G Chamber
Operation Mode	:Multi-Link Operation	Test Date	:2023-10-26
Test Frequency	:2437 MHz+5210 MHz+6140 MHz	Temp./Humi.	:23.6°C/57%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Temo Chen



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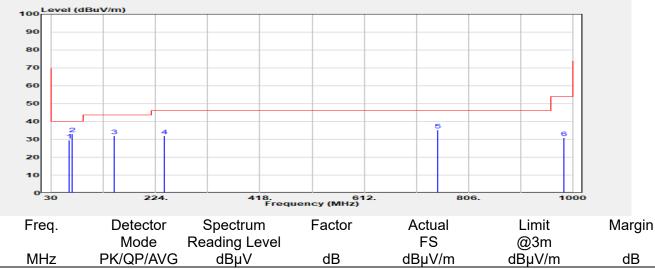
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Report Number	:TERF2309002275E2	Test Site	:SAC G Chamber
Operation Mode	:Multi-Link Operation	Test Date	:2023-10-26
Test Frequency	:2437 MHz+5210 MHz+6140 MHz	Temp./Humi.	:23.6℃/57%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer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



MHz	PK/QP/AVG	dBµV	dB	dBµV/m	dBµV/m	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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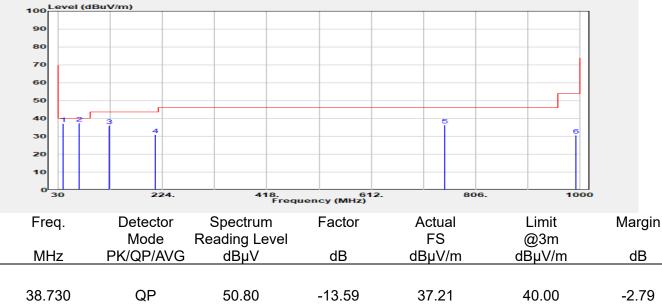
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## Report No.: TERF2309002275E2 Page: 25 of 38



2309002275E2
_ink Operation
MHz+5210 MHz
ane

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



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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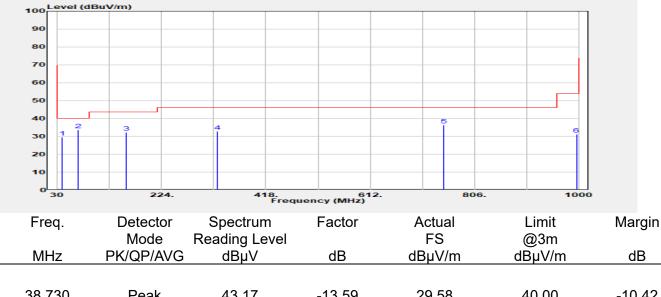
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## Report No.: TERF2309002275E2 Page: 26 of 38



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



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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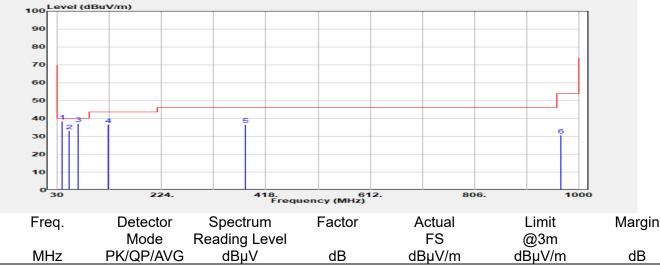
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## Report No.: TERF2309002275E2 Page: 27 of 38



:TERF2309002275E2
:Multi-Link Operation
:2437 MHz+6140 MHz
:Tx
:E2 Plane

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



rioq.	Mode	Reading Level	1 40101	FS	@3m	Margin
MHz	PK/QP/AVG	dBµV	dB	dBµV/m	dBµV/m	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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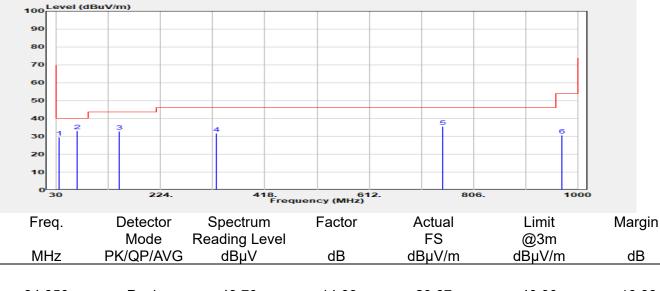
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## Report No.: TERF2309002275E2 Page: 28 of 38



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



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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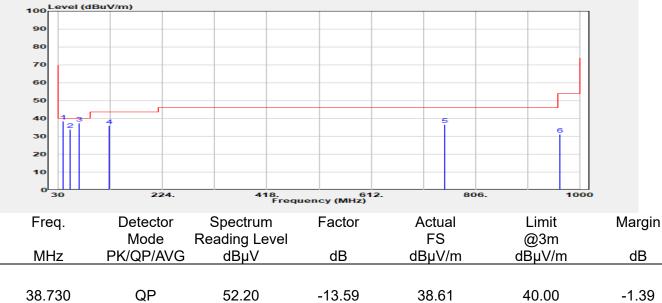
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## Report No.: TERF2309002275E2 Page: 29 of 38



:TERF2309002275E2
:Multi-Link Operation
:5210 MHz+6140 MHz
:Tx
:E2 Plane

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



38.730	QP	52.20	-13.59	38.01	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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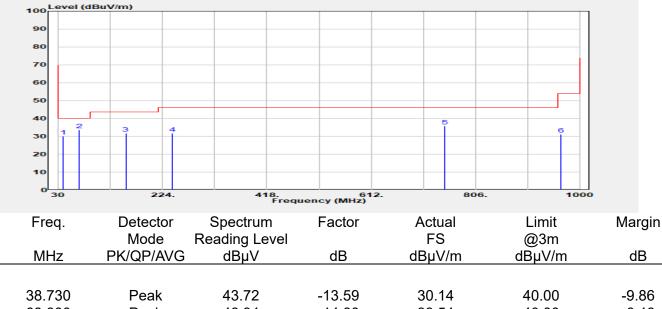
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## Report No.: TERF2309002275E2 Page: 30 of 38



:TERF2309002275E2
:Multi-Link Operation
:5210 MHz+6140 MHz
:Tx
:E2 Plane

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



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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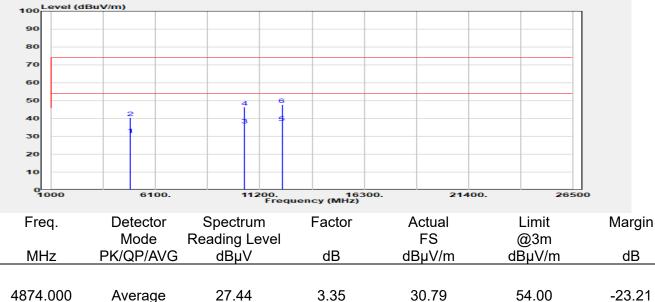
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## Report No.: TERF2309002275E2 Page: 31 of 38



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℃/55%
Test Mode	:Tx	Antenna Pol.	:Vertical
EUT Pol	:E2 Plane	Engineer	:Temo Chen



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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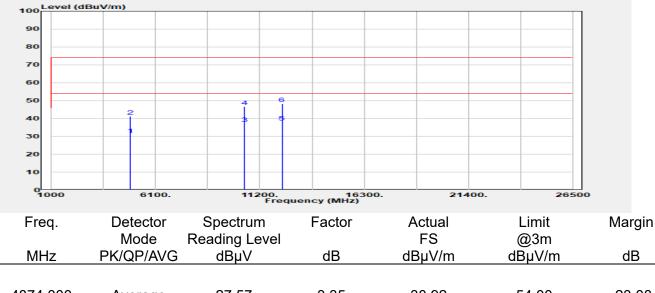
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## Report No.: TERF2309002275E2 Page: 32 of 38



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℃/55%
Test Mode	:Tx	Antenna Pol.	:Horizontal
EUT Pol	:E2 Plane	Engineer	:Temo Chen



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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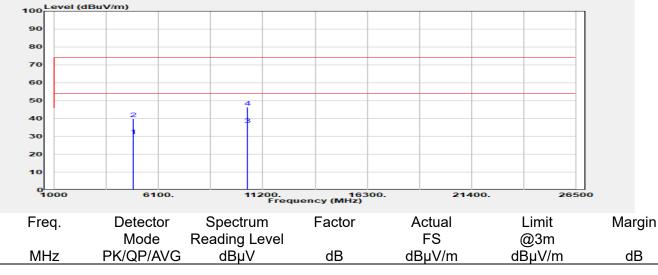
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## Report No.: TERF2309002275E2 Page: 33 of 38



:TERF2309002275E2
:Multi-Link Operation
:2437 MHz+5210 MHz
:Tx
:E2 Plane

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



FS @3r	n
dBµV/m dBµV	/m dB
30.41 54.0	0 -23.59
39.82 74.0	0 -34.18
36.71 54.0	0 -17.29
46.34 74.0	0 -27.66
	dBμV/m dBμV/m   30.41 54.0   39.82 74.0   36.71 54.0

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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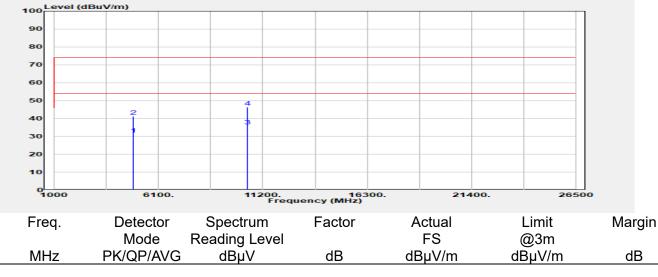
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## Report No.: TERF2309002275E2 Page: 34 of 38



:TERF2309002275E2
:Multi-Link Operation
:2437 MHz+5210 MHz
:Tx
:E2 Plane

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



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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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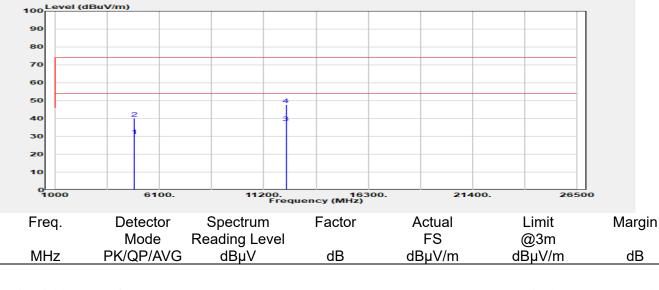
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## Report No.: TERF2309002275E2 Page: 35 of 38



:TERF2309002275E2
:Multi-Link Operation
:2437 MHz+6140 MHz
:Tx
:E2 Plane

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



MHZ	PK/QP/AVG	αΒμν	dB	dBµV/m	dBhA/w	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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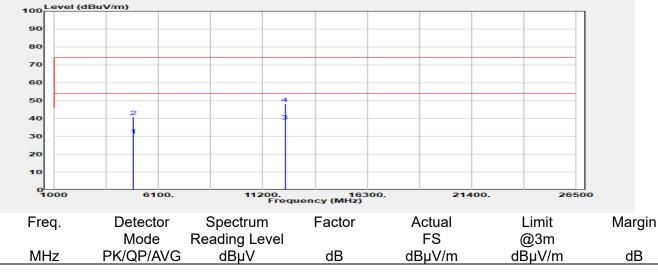
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## Report No.: TERF2309002275E2 Page: 36 of 38



:TERF2309002275E2
:Multi-Link Operation
:2437 MHz+6140 MHz
:Tx
:E2 Plane

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



		uDμv	чD	ασμν/m	ασμν/m	чD
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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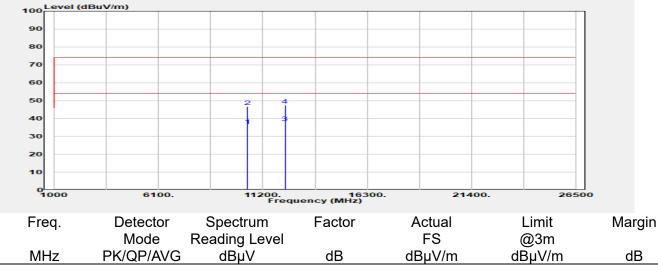
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## Report No.: TERF2309002275E2 Page: 37 of 38



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



	FN/QF/AVG	uбµv	uБ	ασμν/π	ασμν/Π	uБ
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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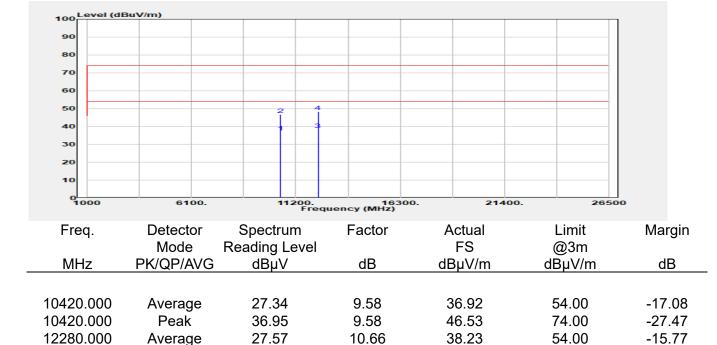
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## Report No.: TERF2309002275E2 Page: 38 of 38



:TERF2309002275E2			
:Multi-Link Operation			
:5210 MHz+6140 MHz			
:Tx			
:E2 Plane			

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



~ End of Report ~

10.66

48.19

74.00

-25.81

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37.53

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12280.000

Peak

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