ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

Applicant:	HP Inc. 1501 Page Mill Road, Palo Alto, CA 94304, USA
Manufacturer:	HP Inc. 1501 Page Mill Road, Palo Alto, CA 94304, USA
Product Name:	Notebook PC
Brand Name:	HP
Model No.:	R2022
Model Difference:	N/A
Report Number:	TERF2206000811E2
FCC ID	B94R2022GPKV
Issue Date:	Sep. 05, 2022
Date of Test:	Jun. 22, 2022
Date of EUT Received:	Jun. 07, 2022

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 ANSI C63.26-2015 and the energy emitted by the sample EUT comply with FCC rule part 2 , 22H & 24E & 27 C.

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

Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2206000811E2	00	Original.	Aug. 10, 2022	Yami Kuo	
TERF2206000811E2	01	Add RF EIRP Power	Sep. 05, 2022	Yami Kuo	*

Note:

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

Contents

1 GENERAL PRODUCT INFORMATION

1.1 Product Description

Product Name:	Notebook PC
Brand Name:	HP
Model No.:	R2022
Model Difference:	N/A
Hardware Version:	N/A
Firmware Version:	N/A
EUT Series No.:	5CD21235KV
Power Supply:	7.68 Vdc from Rechargeable Li-Polymer Battery or 5 / 9 / 12 / 15 Vdc from AC/DC Adapter
Test Software (Name/Version)	Default (link 8820C)

1.2 Operation Frequency Range

Operating Frequency (MHz)			
WCDMA / HSPA+ Band II	1852.4	-	1907.6
WCDMA / HSPA+ Band IV	1712.4	-	1752.6
WCDMA / HSPA+ Band V	826.4	-	846.6

1.3 Antenna Designation

Antenna Type	Antenna Model No.
PIFA	Ant5
Note: Transmission in frequencies in this test report are only available by the above antenna(s).	

Modulation	Frequency (MHz)			Peak Antenna Gain (dBi)
				Ant5
WCDMA / HSPA+ Band II	1852.4	-	1907.6	0.21
WCDMA / HSPA+ Band IV	1712.4	-	1752.6	0.05
WCDMA / HSPA+ Band V	826.4	-	846.6	-0.64

Note: Antenna information is provided by the applicant.

1.4 Test Methodology of Applied Standards

FCC 47 CFR Part 2, 22H, 24E, 27C
ANSI C63.26-2015

KDB971168 D01 Power Meas license Digital System v03r01

KDB941225 D01 SAR test for 3G devices v03r01 (SAR Measurement Procedures for 3G Devices, WCDMA / HSPA) was used for EUT and Base station setting.

KDB412172 D01 Determining ERP and EIRP v01r01

TS 151 010-1 is used to set, and measure the output power.

1.5 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	TW0027	TW3702
		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 indication where measurements occurred in specific test site and address.

1.6 Special Accessories

No special accessories were used during testing.

1.7 Equipment Modifications

There was no modifications incorporated into the EUT.

1.8 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 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

The EUT (Transmitter) was operated in the continuous transmission mode employed with the simulator of the Base Station that fixates at test default channels to fix the Tx frequency which was for the purpose of the measurements.

2.3 Test Procedure

2.3.1 Radiated Emissions (ERP/EIRP)

The EUT is placed on a turn table, for emission measurements below 1 GHz is 0.8 m above 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 hand-held 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.

2.4 Measurement Results Explanation Example

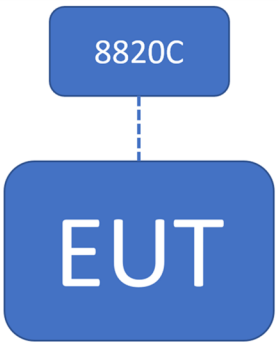
For all conducted test items:

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.

Note:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

3 TEST CONFIGURATION

Conducted Setup	Radiated Setup
	

Note: Radio Communication Analyzer is placed in remote side for radiated test.

3.1 Control Unit(s)

N/A

4 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a)	RF Power Output	Compliant
§22.913(a)(5) §24.232(c) §27.50(d)(4)	ERP/ EIRP measurement	Compliant
§2.1053 §22.917(a) §24.238(a) §27.53(h)	Field Strength of Spurious Radiation	Compliant

5 DESCRIPTION OF TEST MODES

5.1 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. 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.

5.2 Measurement Configuration

Test Items	WCDMA / HSPA Bands	Test Channel		
		L	M	H
ERP	Band V	v	v	v
EIRP	Bnad II	v	v	v
	Band IV	v	v	v

WCDMA Band 2

Parameter	Test Condition
Test Channel	Mid

WCDMA Band 4

Parameter	Test Condition
Test Channel	High

WCDMA Band 5

Parameter	Test Condition
Test Channel	Low

6 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty		
RF Power Output	+/-	1	dB
ERP/ EIRP measurement	+/-	3	dB
	+/-	3	dB
Emission Bandwidth	+/-	1.53	Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/-	1.68	dB
Peak to Average Ratio	+/-	1	dB
Frequency Stability vs. Temperature	+/-	1.53	Hz
Frequency Stability vs. Voltage	+/-	1.53	Hz
Temperature	+/-	0.4	°C
Humidity	+/-	3.5	%
DC / AC Power Source	+/-	1	%

Radiated Spurious Emission Measurement Uncertainty				
Polarization: Vertical	**+/-**	**2.57**	**dB**	9kHz~30MHz
	+/-	**4.85**	**dB**	30MHz - 1000MHz
	+/-	**4.45**	**dB**	1GHz - 18GHz
	+/-	**4.24**	**dB**	18GHz - 40GHz
Polarization: Horizontal	**+/-**	**2.57**	**dB**	9kHz~30MHz
	+/-	**4.37**	**dB**	30MHz - 1000MHz
	+/-	**4.45**	**dB**	1GHz - 18GHz
	+/-	**4.24**	**dB**	18GHz - 40GHz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

7 MEASUREMENT EQUIPMENT USED

7.1 Conducted Measurement

Conducted Emission Test Site: Conducted E					
EQUIPMENT TYPE	**MFR**	**MODEL NUMBER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
Radio Communication Analyer	Anritsu	MT8820C	6201465316	06/20/2022	06/19/2023

7.2 Radiated Measurement

Radiated Emission Test Site: SAC D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-300	10/19/2021	10/18/2022
Broadband Antenna	SCHWARZBECK	VULB 9168	9168-617	11/12/2021	11/11/2022
Horn Antenna	Schwarzbeck	BBHA9170	184	12/16/2021	12/15/2022
Horn Antenna	Schwarzbeck	BBHA9170	185	08/06/2021	08/05/2022
Horn Antenna	Schwarzbeck	BBHA9120D	1187	01/06/2022	01/05/2023
Horn Antenna	Schwarzbeck	BBHA9120D	1341	05/31/2022	05/30/2023
3m Site NSA	SGS	966 chamber D	N/A	07/12/2021	07/11/2022
3m Site NSA	SGS	966 chamber D	N/A	07/12/2022	07/11/2023
Spectrum Analyzer	KEYSIGHT	N9010A	MY57120200	03/24/2022	03/23/2023
Radio Communication Analyer	Anritsu	MT8820C	6201465316	06/20/2022	06/19/2023
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R
Pre-Amplifier	EMC Instruments	EM26400	971576	10/02/2021	10/01/2022
Pre-Amplifier	EMC Instruments	EMC9135	980234	11/18/2021	11/17/2022
Pre-Amplifier	EMC Instruments	EMC12630SE	980273	11/18/2021	11/17/2022
Coaxial Cable	Huber+Suhner	RG 214/U	W21.01	11/18/2021	11/17/2022
Coaxial Cable	Huber Suhner	EMC106-SM-SM-7200	150703	11/18/2021	11/17/2022
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17413/4	11/18/2021	11/17/2022

8 MAXIMUM OUTPUT POWER

8.1 Standard Applicable

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals.

According to FCC §2.1046

FCC 22.913(a)

(5) mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

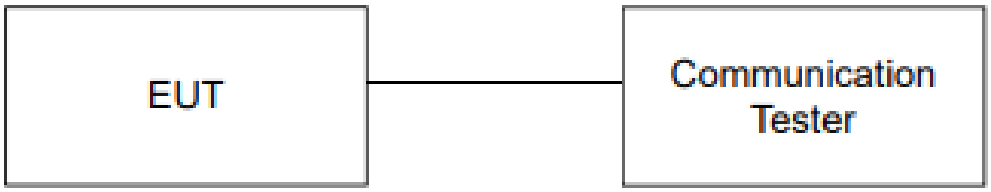
FCC 24.232(c)

Mobile and portable stations are limited to 2 W EIRP.

FCC 27.50(d)

(4) Mobile, and portable (hand-held) stations operating in the 1710-1755 MHz, 1695-1710 MHz and 1755-1780 MHz bands are limited to 1W EIRP.

8.2 Test Set-up



Note: *Measurement setup for testing on Antenna connector*

8.3 Output Power Measurement Applicable Guideance

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter.

Transmitter output was read off the power meter in dBm.

The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading.

The Procedure of KDB941225 (SAR Measurement Procedures for 3G devices, (WCDMA/HSPA) was used for EUT and RMC 12.2kps is used for Base station setting.

KDB 971168 D01 Power Meas License Digital System as the supplemental test methodology to adjust the proper setting obtaining the measurement results.

Conducted average power is obtained from the simulator telecommunication test set.

8.4 Determining ERP and/or EIRP from conducted RF output power measurements

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$,

$ERP = EIRP - 2.15$,

Where:

ERP or EIRP	= effective radiated power or equivalent isotropically radiated power (expressed in the same units as PT, typically dBW, dBm, or power spectral density (PSD)2), relative to either a dipole antenna (ERP) or an isotropic antenna (EIRP);
P_T	= transmitter output power, expressed in dBW, dBm, or PSD;
G_T	= gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);
L_C	= signal attenuation in the connecting cable between the transmitter and antenna, in dB.

8.5 Measurement Results

8.5.1 WCDMA & HSPA Measurement Results:

The following tests were completed according to the test requirements outlined in section 5.2 of the 3GPP TS34.121-1 specification. The EUT supports power Class 3, which has a nominal maximum output power of 24 dBm. RMC 12.2kps is used for this testing.

WCDMA/HSUPA/HSDPA Band II Result:

EUT Mode	Freq. (MHz)	CH	Conducted Avg. Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
WCDMA	1852.4	**9262**	16.72	0.21	14.78	16.93	33.00	-16.07
	1880.0	**9400**	16.84	0.21	14.90	**17.05**	33.00	-15.95
	1907.6	**9538**	16.74	0.21	14.80	16.95	33.00	-16.05
HSDPA	1852.4	**9262**	16.71	0.21	14.77	**16.92**	33.00	-16.08
	1880.0	**9400**	16.65	0.21	14.71	16.86	33.00	-16.14
	1907.6	**9538**	16.66	0.21	14.72	16.87	33.00	-16.13
HSUPA	1852.4	**9262**	16.63	0.21	14.69	16.84	33.00	-16.16
	1880.0	**9400**	16.66	0.21	14.72	16.87	33.00	-16.13
	1907.6	**9538**	16.78	0.21	14.84	**16.99**	33.00	-16.01

WCDMA/HSUPA/HSDPA Band IV Result:

EUT Mode	Freq. (MHz)	CH	Conducted Avg. Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
WCDMA	1712.4	1312	17.97	0.05	15.87	18.02	30.00	-11.98
	1732.6	1413	18.01	0.05	15.91	18.06	30.00	-11.94
	1752.6	1513	18.08	0.05	15.98	**18.13**	30.00	-11.87
HSDPA	1712.4	1312	17.99	0.05	15.89	18.04	30.00	-11.96
	1732.6	1413	17.98	0.05	15.88	18.03	30.00	-11.97
	1752.6	1513	18.03	0.05	15.93	**18.08**	30.00	-11.92
HSUPA	1712.4	1312	17.94	0.05	15.84	17.99	30.00	-12.01
	1732.6	1413	18.02	0.05	15.92	**18.07**	30.00	-11.93
	1752.6	1513	17.86	0.05	15.76	17.91	30.00	-12.09

WCDMA/HSUPA/HSDPA Band V Result:

EUT Mode	Freq. (MHz)	CH	Conducted Avg. Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
WCDMA	826.4	4132	21.35	-0.64	18.56	**20.71**	38.50	-17.79
	836.6	4183	21.33	-0.64	18.54	20.69	38.50	-17.81
	846.6	4233	21.30	-0.64	18.51	20.66	38.50	-17.84
HSDPA	826.4	4132	21.27	-0.64	18.48	**20.63**	38.50	-17.87
	836.6	4183	21.27	-0.64	18.48	**20.63**	38.50	-17.87
	846.6	4233	21.23	-0.64	18.44	20.59	38.50	-17.91
HSUPA	826.4	4132	21.14	-0.64	18.35	20.50	38.50	-18.00
	836.6	4183	21.14	-0.64	18.35	20.50	38.50	-18.00
	846.6	4233	21.24	-0.64	18.45	**20.60**	38.50	-17.90

8.5.2 HSPA (HSDPA & HSUPA) Release 6:

The following 4 Sub-Tests were completed according to the test requirements outlined in section 5.2A of the 3GPP TS34.121-1 specification. All TX RMS power requirements for Power Class 3 were met according to table 5.2AA.5 and 5.2B.5 All UE channels and power ratio's are set according to table C10.1.4 & C11.1.3 in the 3GPP TS34.121-1. RMC 12.2kps is used for this testing.

8.5.3 HSDPA SUB-TEST Setting

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH(FOR HSDPA)

Sub-test	β_c	β_d	β_d *(SF)*	β_c/β_d	β_{HS} (*Note1, Note 2*)	CM (dB) *(Note 3)*	MPR (dB) *(Note 3)*	RMC (Kbps)
1	2/15	15/15	64	2/15	4/15	0.0	0.0	12.2
2	12/15 *(Note 4)*	15/15 *(Note 4)*	64	12/15 *(Note 4)*	24/15	1.0	0.0	12.2
3	15/15	8/15	64	15/8	30/15	1.5	0.5	12.2
4	15/15	4/15	64	15/4	30/15	1.5	0.5	12.2

Note: *The recommended HSDPA MPRs are implemented as per following sub-tests.*

Mode	Sub test	Avg. Power (dBm) Channel		
		9262.00	9400.00	9538.00
HSDPA II	1	16.71	16.65	16.66
	2	16.64	16.77	16.63
	3	16.72	16.70	16.73
	4	16.65	16.81	16.71

Mode	Sub test	Avg. Power (dBm) Channel		
		1312.00	1413.00	1513.00
HSDPA IV	1	17.99	17.98	18.03
	2	18.02	17.98	17.90
	3	17.89	18.00	18.00
	4	17.88	18.01	17.92

Mode	Sub test	Avg. Power (dBm) Channel		
		4132.00	4183.00	4233.00
HSDPA V	1	21.27	21.27	21.23
	2	21.22	21.13	21.15
	3	21.31	21.20	21.18
	4	21.22	21.23	21.31

8.5.4 HSPA SUB-TEST Setting

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH(FOR HSUPA)

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS}	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (Codes)	CM (dB)	MPR (dB)	AG Index	E-TFCI	RMC (Kbps)
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/225	1309/225	4	1	1.0	0.0	20	75	12.2
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67	12.2
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed}1$: 47/15 $\beta_{ed}2$: 47/15	4 4	2	2.0	1.0	15	92	12.2
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71	12.2
5	15/15 (Note 4)	15/15 (Note 4)	64	15/15 (Note 4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81	12.2

Note: *The recommended HSUPA MPRs are implemented as per following sub-tests.*

Mode	Sub test	Avg. Power (dBm) Channel		
		9262.00	9400.00	9538.00
HSUPA II	1	16.63	16.66	16.78
	2	16.71	16.62	16.74
	3	16.62	16.78	16.73
	4	16.75	16.76	16.78
	5	16.72	16.64	16.75

Mode	Sub test	Avg. Power (dBm) Channel		
		1312.00	1413.00	1513.00
HSUPA IV	1	17.94	18.02	17.86
	2	17.90	17.95	18.00
	3	17.88	17.91	17.92
	4	17.86	17.94	18.01
	5	17.99	17.89	17.91

Mode	Sub test	Avg. Power (dBm) Channel		
		4132.00	4183.00	4233.00
HSUPA V	1	21.14	21.14	21.24
	2	21.18	21.30	21.29
	3	21.13	21.29	21.30
	4	21.20	21.16	21.19
	5	21.33	21.16	21.15

8.5.5 WCDMA/HSDPA/HSUPA band II, IV, V

The EUT output power was controlled by simulator and enter max rated power 24dBm. The EUT is going to be set to max output power to 24dBm then record the read. The min. power was measures by a function key “minimum power” then record the read. It is -52.3dBm. The power variation can be 0.1dB step by setting.

9 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

9.1 Standard Applicable

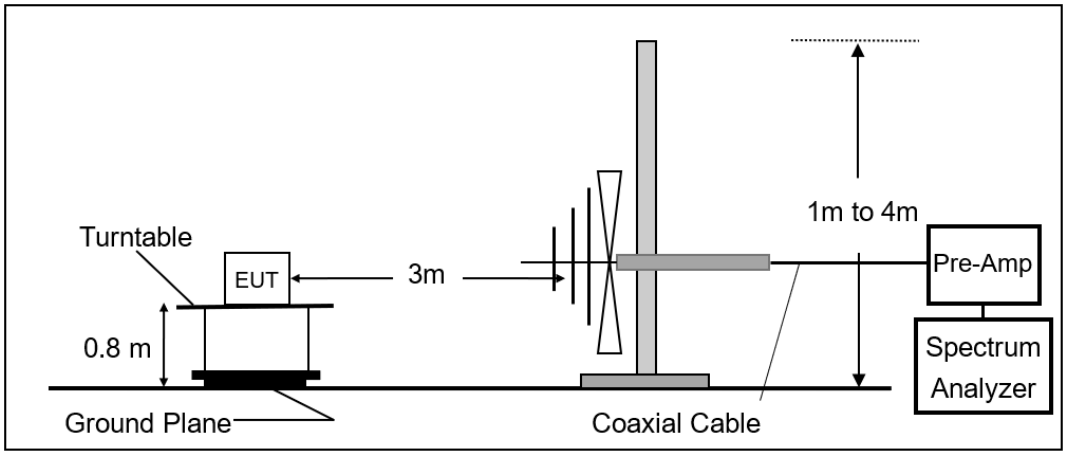
According to FCC §2.1053,

FCC §22.917(a), §24.238(a), §27.53(h)

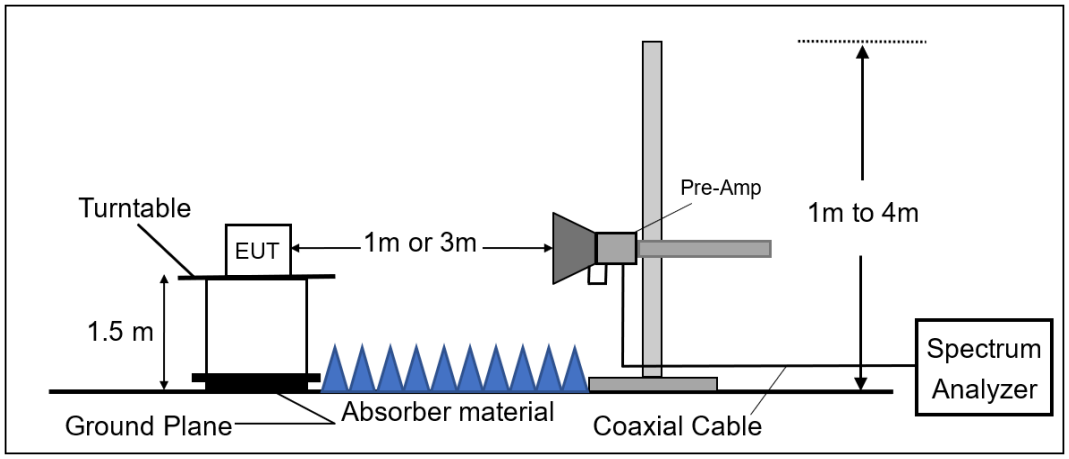
Out of band emissions.The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

9.2 EUT Setup

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



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



9.3 Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

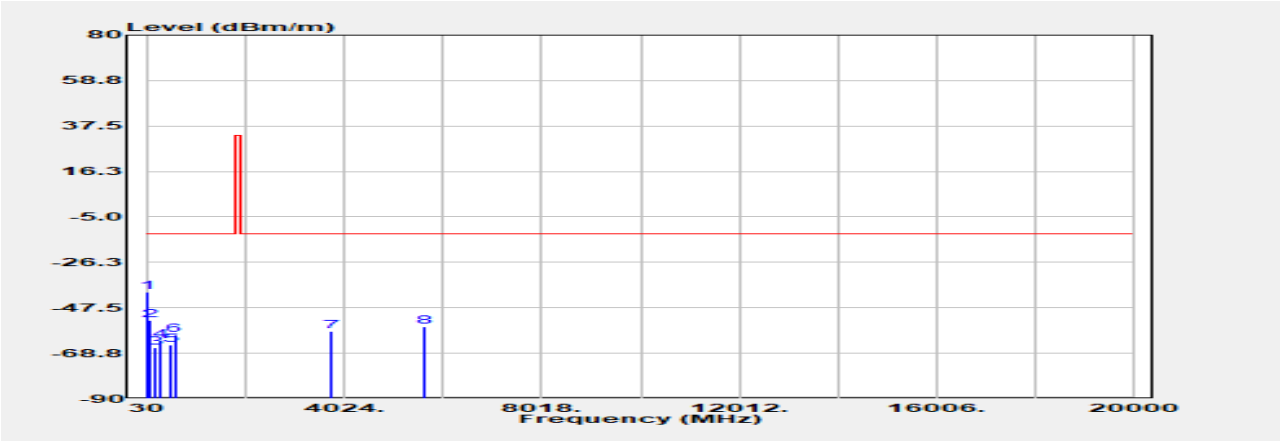
The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

ERP (dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

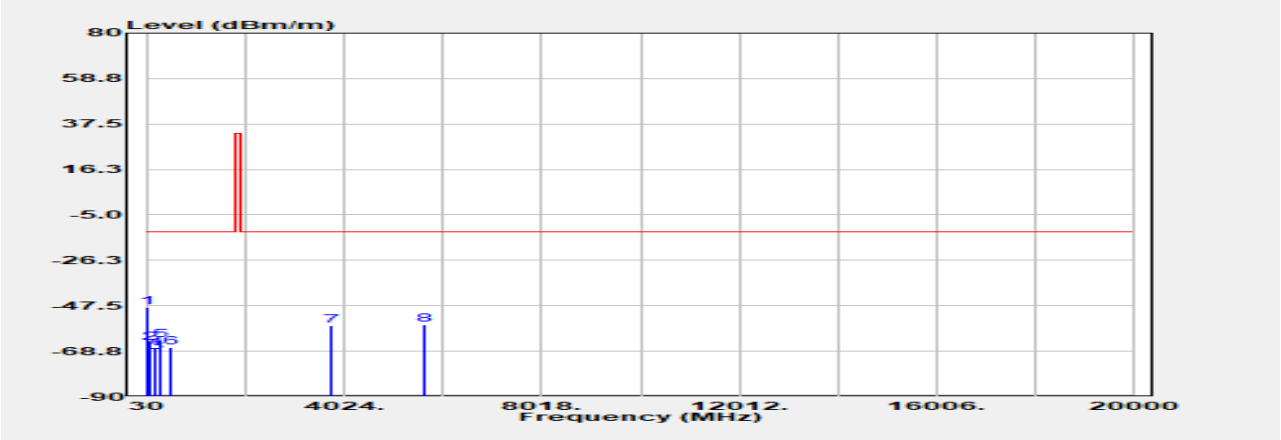
9.4 Measurement Result:

Report Number	:TERF2206000811E2	Test Site	:SAC D
Operation Mode	:WCDMA B2	Test Date	:2022-06-22
Test Mode	:TX	Temp./Humi.	:23.8/68
EUT Pol	:NB Plane	Antenna Pol.	:Vertical
Test Frequency	:1880 MHz	Engineer	:Howard Huang



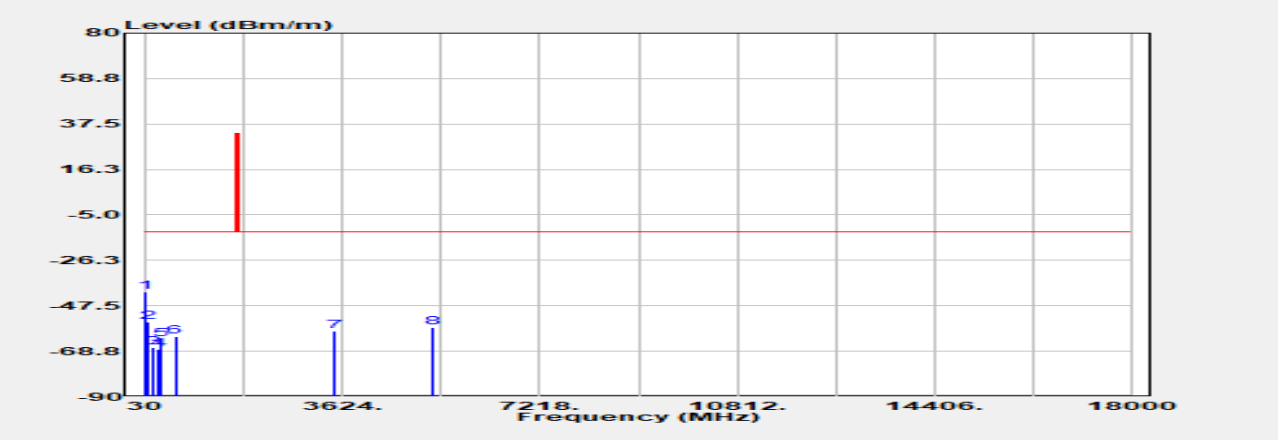
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
37.760	-40.03	-20.73	-18.95	-0.35	-13.00	-27.03
94.990	-53.46	-47.50	-5.39	-0.57	-13.00	-40.46
185.200	-66.10	-62.44	-2.85	-0.81	-13.00	-53.10
312.270	-62.61	-60.47	-0.99	-1.15	-13.00	-49.61
504.330	-64.84	-62.67	-0.76	-1.41	-13.00	-51.84
598.420	-60.24	-57.74	-1.24	-1.26	-13.00	-47.24
3760.000	-58.50	-67.16	12.40	-3.74	-13.00	-45.50
5640.000	-56.38	-64.63	13.00	-4.75	-13.00	-43.38

Report Number	:TERF2206000811E2	Test Site	:SAC D
Operation Mode	:WCDMA B2	Test Date	:2022-06-22
Test Mode	:TX	Temp./Humi.	:23.8/68
EUT Pol	:NB Plane	Antenna Pol.	:Horizontal
Test Frequency	:1880 MHz	Engineer	:Howard Huang



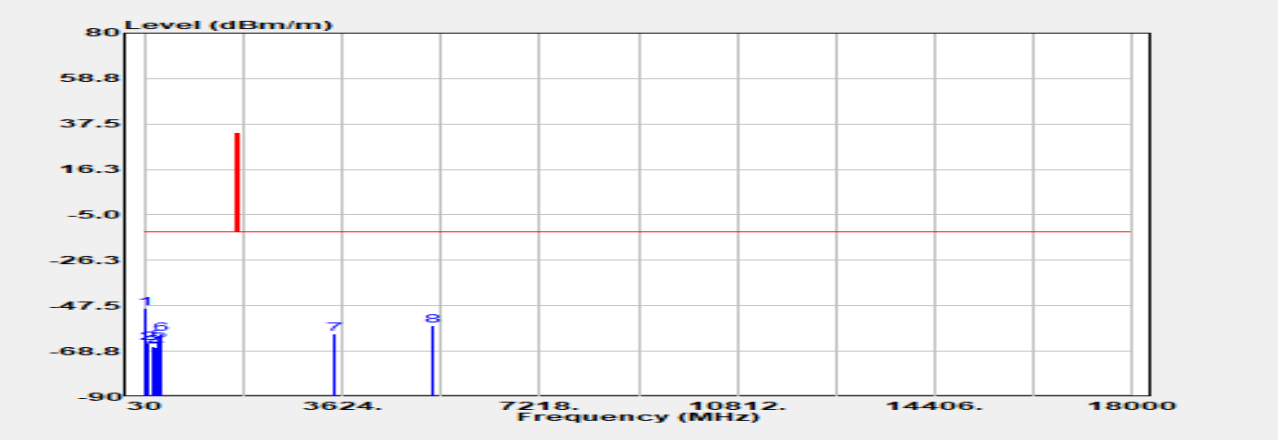
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
37.760	-48.17	-28.87	-18.95	-0.35	-13.00	-35.17
96.930	-64.73	-58.58	-5.58	-0.57	-13.00	-51.73
188.110	-68.93	-65.78	-2.33	-0.82	-13.00	-55.93
224.970	-67.61	-67.02	0.30	-0.89	-13.00	-54.61
303.540	-63.47	-61.41	-0.96	-1.10	-13.00	-50.47
509.180	-66.86	-64.79	-0.79	-1.28	-13.00	-53.86
3760.000	-56.91	-65.57	12.40	-3.74	-13.00	-43.91
5640.000	-56.49	-64.74	13.00	-4.75	-13.00	-43.49

Report Number	:TERF2206000811E2	Test Site	:SAC D
Operation Mode	:WCDMA B4	Test Date	:2022-06-22
Test Mode	:TX	Temp./Humi.	:23.8/68
EUT Pol	:NB Plane	Antenna Pol.	:Vertical
Test Frequency	:1752.6 MHz	Engineer	:Howard Huang



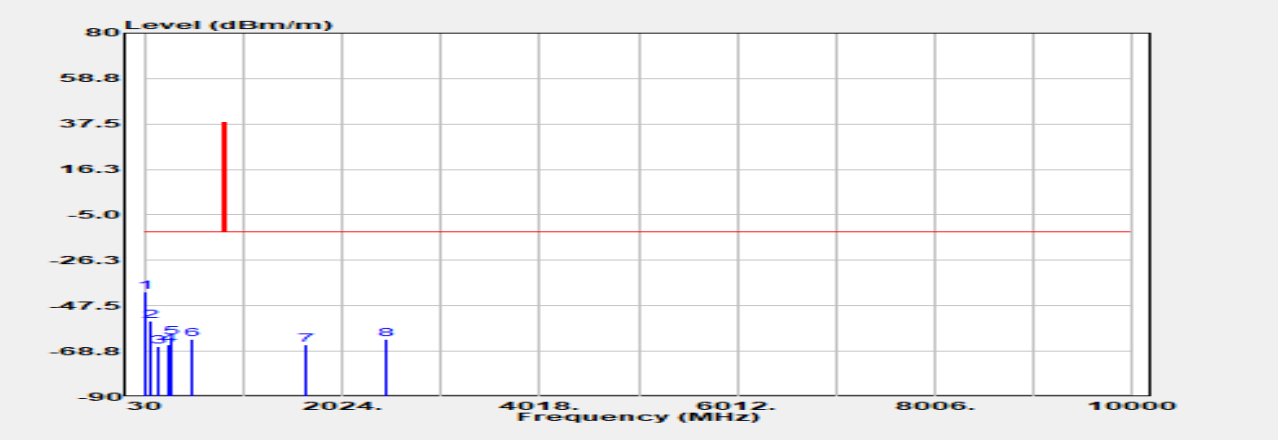
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
40.670	-40.98	-22.20	-18.42	-0.36	-13.00	-27.98
95.960	-55.14	-49.28	-5.29	-0.57	-13.00	-42.14
186.170	-67.00	-63.57	-2.62	-0.81	-13.00	-54.00
263.770	-67.67	-66.01	-0.67	-0.99	-13.00	-54.67
314.210	-62.99	-60.85	-0.98	-1.16	-13.00	-49.99
589.690	-61.95	-59.31	-1.11	-1.53	-13.00	-48.95
3505.200	-59.25	-68.05	12.40	-3.60	-13.00	-46.25
5257.800	-57.51	-65.86	12.83	-4.48	-13.00	-44.51

Report Number	:TERF2206000811E2	Test Site	:SAC D
Operation Mode	:WCDMA B4	Test Date	:2022-06-22
Test Mode	:TX	Temp./Humi.	:23.8/68
EUT Pol	:NB Plane	Antenna Pol.	:Horizontal
Test Frequency	:1752.6 MHz	Engineer	:Howard Huang



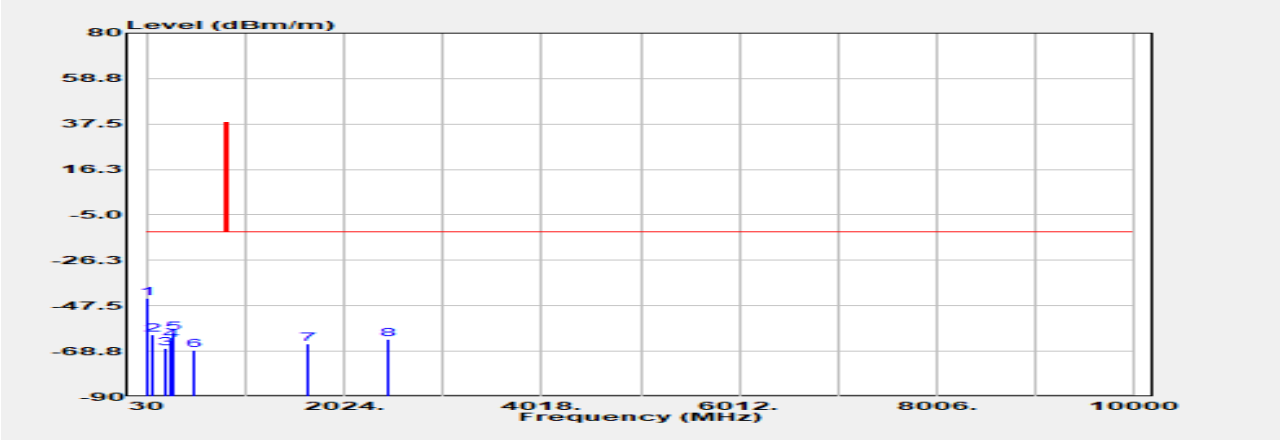
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
31.940	-48.63	-28.75	-19.56	-0.32	-13.00	-35.63
101.780	-64.87	-58.36	-5.92	-0.59	-13.00	-51.87
175.500	-66.72	-61.29	-4.65	-0.78	-13.00	-53.72
226.910	-67.18	-66.51	0.22	-0.89	-13.00	-54.18
269.590	-63.95	-62.07	-0.89	-0.99	-13.00	-50.95
310.330	-60.53	-58.38	-1.01	-1.14	-13.00	-47.53
3505.200	-60.77	-69.57	12.40	-3.60	-13.00	-47.77
5257.800	-56.76	-65.11	12.83	-4.48	-13.00	-43.76

Report Number	:TERF2206000811E2	Test Site	:SAC D
Operation Mode	:WCDMA B5	Test Date	:2022-06-22
Test Mode	:TX	Temp./Humi.	:23.8/68
EUT Pol	:NB Plane	Antenna Pol.	:Vertical
Test Frequency	:826.4 MHz	Engineer	:Howard Huang



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
39.700	-40.79	-21.69	-18.74	-0.36	-13.00	-27.79
96.930	-54.73	-48.58	-5.58	-0.57	-13.00	-41.73
181.320	-66.40	-62.09	-3.51	-0.80	-13.00	-53.40
270.560	-65.70	-63.80	-0.91	-0.99	-13.00	-52.70
305.480	-62.39	-60.32	-0.96	-1.11	-13.00	-49.39
509.180	-63.11	-61.04	-0.79	-1.28	-13.00	-50.11
1652.800	-65.77	-72.77	9.51	-2.51	-13.00	-52.77
2479.200	-63.17	-70.69	10.56	-3.04	-13.00	-50.17

Report Number	:TERF2206000811E2	Test Site	:SAC D
Operation Mode	:WCDMA B5	Test Date	:2022-06-22
Test Mode	:TX	Temp./Humi.	:23.8/68
EUT Pol	:NB Plane	Antenna Pol.	:Horizontal
Test Frequency	:826.4 MHz	Engineer	:Howard Huang



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
38.730	-43.95	-24.75	-18.85	-0.35	-13.00	-30.95
95.960	-61.22	-55.36	-5.29	-0.57	-13.00	-48.22
225.940	-67.40	-66.77	0.26	-0.89	-13.00	-54.40
266.680	-63.59	-61.84	-0.76	-0.99	-13.00	-50.59
310.330	-60.14	-57.99	-1.01	-1.14	-13.00	-47.14
507.240	-68.35	-66.24	-0.78	-1.33	-13.00	-55.35
1652.800	-65.50	-72.50	9.51	-2.51	-13.00	-52.50
2479.200	-63.12	-70.64	10.56	-3.04	-13.00	-50.12

~ End of Report ~