



RF TEST REPORT

Applicant	Spireon Inc
FCC ID	O9YFLF3L
Product	GPS tracker
Model	Flex2-L
Report No.	R2109A0848-R2V2
Issue Date	November 1, 2021

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 (2020)/ FCC CFR 47 Part 24E (2020)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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Version	Revision description	Issue Date
Rev.0	Initial issue of report.	October 19, 2021
Rev.1	Update FCC ID in Page 1.	October 27, 2021
Rev.2	Update description in Page 4.	November 1, 2021
Note: This revised report (Report No. R2109A0848-R2V2) supersedes and replaces the previously issued report (Report No. R2109A0848-R2V1). Please discard or destroy the previously issued report and dispose of it accordingly.		

Summary of measurement results

No.	Test Case	Clause in FCC rules	Verdict
1	RF Power Output and Effective Isotropic Radiated Power	2.1046 24.232(c)	PASS
2	Occupied Bandwidth	2.1049	Refer to the module report. (Report No: RTWK160719001-00)
3	Band Edge Compliance	2.1051 /24.238(a)	Refer to the module report. (Report No: RTWK160719001-00)
4	Peak-to-Average Power Ratio	24.232/KDB 971168 D01(5.7)	Refer to the module report. (Report No: RTWK160719001-00)
5	Frequency Stability	2.1055 / 24.235	Refer to the module report. (Report No: RTWK160719001-00)
6	Spurious Emissions at Antenna Terminals	2.1051 / 24.238(a)	Refer to the module report. (Report No: RTWK160719001-00)
7	Radiates Spurious Emission	2.1053 / 24.238(a)	PASS
Date of Testing: October 12, 2021 Date of Sample Received: September 23, 2021			
Note: PASS: The EUT complies with the essential requirements in the standard. FAIL: The EUT does not comply with the essential requirements in the standard. All indications of Pass/Fail in this report are opinions expressed by TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.			

The report only tests the RF Power Output and Effective Isotropic Radiated Power and Radiates Spurious Emission. Other test items are subject to the module test report. (Report No: R1805A0226-R2V3) and the module RF test report refers to the original Module report. (Report No: RTWK160719001-00).



1. Test Laboratory

1.1. Notes of the test report

This report shall not be reproduced in full or partial, without the written approval of **TA technology (shanghai) co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

A2LA (Certificate Number: 3857.01)

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform measurement.

1.3. Testing Location

Company: TA Technology (Shanghai) Co., Ltd.
Address: No.145, Jintang Rd, Tangzhen Industry Park, Pudong
City: Shanghai
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2. General Description of Equipment under Test

2.1.Applicant and Manufacturer Information

Applicant	Spireon Inc
Applicant address	9724 Kingston Pike, Suite 800 Knoxville
Manufacturer	Asiatelco Technologies Co
Manufacturer address	#289 Bisheng Road, Building-8, 3F, Zhangjiang Hi-Tech Park, Pudong, Shanghai 201204, China

2.2.General information

EUT Description			
Model	Flex2-L		
SN	861836059908801		
Hardware Version	P3.0.0		
Software Version	B1		
Power Supply	Battery		
Antenna Type	Internal Antenna		
Antenna Gain	WCDMA band II: 1.0dBi LTE band 2: 1.0dBi		
Test Mode(s)	WCDMA band II ,LTE Band 2;		
Test Modulation	QPSK,16QAM		
LTE Category	M1		
Maximum E.I.R.P./ E.R.P	WCDMA Band 2:	23.45 dBm	
	LTE Band 2:	24.10 dBm	
Rated Power Supply Voltage	12V		
Operating Voltage	Minimum: 8V Maximum: 30V		
Operating Temperature	Lowest: -30°C Highest: +70°C		
Extreme Temperature	Lowest: 0°C Highest: +45°C		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	WCDMA Band II	1850 ~ 1910	1930 ~ 1990
	LTE Band 2	1850 ~ 1910	1930 ~ 1990
EUT Accessory			
Battery	Manufacturer: Expocell Group, Inc. Model: LIP-2S2PLx18650LT-PTC25		
Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.			

3. Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test standards:

FCC CFR 47 Part 24E (2020)

ANSI C63.26 (2015)

Reference standard:

FCC CFR47 Part 2 (2020)

KDB 971168 D01 Power Meas License Digital Systems v03r01

4. Test Configuration

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes. EUT stand-up position (Z axis), lie-down position (X, Y axis). Receiver antenna polarization (horizontal and vertical), the worst emission was found in position (Z axis, horizontal polarization) and the worst case was recorded.

All mode and data rates and positions and RB size and modulations were investigated.

Subsequently, only the worst case emissions are reported.

The following testing in LTE is set based on the maximum RF Output Power.

Test modes are chosen to be reported as the worst case configuration below:

Test items	Modes/Modulation
	WCDMA Band II
RF Power Output and Effective Isotropic Radiated Power	RMC HSDPA/HSUPA DC-HSDPA
Radiates Spurious Emission	RMC

Test modes are chosen to be reported as the worst case configuration below for LTE Band 2:

Test items	Bandwidth (MHz)						Modulation		RB			Test Channel		
	1.4	3	5	10	15	20	QPSK	16QAM	1	50%	100%	L	M	H
RF Power Output and Effective Isotropic Radiated Power	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Radiates Spurious Emission	O	-	O	-	-	O	O	-	O	-	-	-	O	-
Note	1. The mark "O" means that this configuration is chosen for testing. 2. The mark "-" means that this configuration is not testing.													

5. Test Case Results

5.1.RF Power Output and Effective Isotropic Radiated Power

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

During the process of the testing, The EUT was connected to the Base Station Simulator with a known loss. The EUT is controlled by the Base Station Simulator test set to ensure max power transmission with proper modulation.

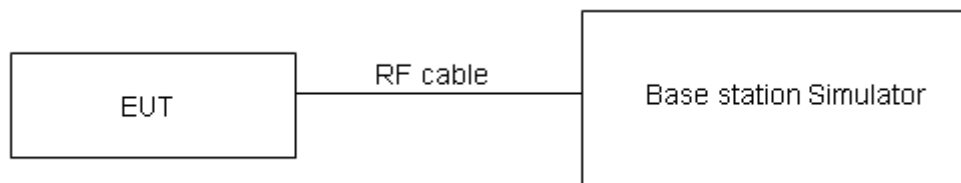
ERP can then be calculated as follows:

$EIRP \text{ (dBm)} = \text{Output Power (dBm)} - \text{Losses (dB)} + \text{Antenna Gain (dBi)}$

where:dBd refers to gain relative to an ideal dipole.

$EIRP \text{ (dBm)} = ERP \text{ (dBm)} + 2.15 \text{ (dB.)}$

Test Setup



Limits

No specific RF power output requirements in part 2.1046.

Rule Part 24.232(c) Mobile and portable stations are limited to 2 watts EIRP.

Rule Part 24.232(e) Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

Limit	$\leq 2 \text{ W}$ (33 dBm)
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Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 0.4 \text{ dB}$ for RF power output, $k = 2$, $U = 1.19 \text{ dB}$ for EIRP.

Test Results

WCDMA Band II		Maximum Output Power (dBm)			EIRP (dBm)		
		Channel 9262	Channel 9400	Channel 9538	Channel 9262	Channel 9400	Channel 9538
		1852.4 (MHz)	1880 (MHz)	1907.6 (MHz)	1852.4 (MHz)	1880 (MHz)	1907.6 (MHz)
RMC		22.44	22.45	22.36	23.44	23.45	23.36
HSDPA	Sub - Test 1	21.90	21.87	21.80	22.90	22.87	22.80
	Sub - Test 2	21.89	21.89	21.77	22.89	22.89	22.77
	Sub - Test 3	21.36	21.39	21.29	22.36	22.39	22.29
	Sub - Test 4	21.37	21.40	21.27	22.37	22.40	22.27
HSUPA	Sub - Test 1	21.86	21.86	21.75	22.86	22.86	22.75
	Sub - Test 2	20.85	20.84	20.74	21.85	21.84	21.74
	Sub - Test 3	21.32	21.32	21.23	22.32	22.32	22.23
	Sub - Test 4	20.78	20.81	20.71	21.78	21.81	21.71
	Sub - Test 5	21.79	21.79	21.69	22.79	22.79	22.69
DC-HSDPA	Sub - Test 1	21.78	21.81	21.70	22.78	22.81	22.70
	Sub - Test 2	21.77	21.80	21.69	22.77	22.80	22.69
	Sub - Test 3	21.35	21.29	21.20	22.35	22.29	22.20
	Sub - Test 4	21.34	21.28	21.19	22.34	22.28	22.19

BAND	Bandwidth	Modulation	Channel	RB Configuration	Maximum Output Power(dBm)	EIRP(dBm)
LTE band 2	1.4M	QPSK	18607	1RB#0	22.49	23.49
				1RB#3	22.55	23.55
				1RB#5	22.64	23.64
				3RB#0	22.37	23.37
				3RB#2	22.38	23.38
				3RB#3	22.49	23.49
				6RB#0	21.26	22.26
			18900	1RB#0	22.24	23.24
				1RB#3	22.71	23.71
				1RB#5	22.59	23.59
				3RB#0	22.55	23.55
				3RB#2	22.56	23.56
				3RB#3	22.64	23.64
				6RB#0	21.45	22.45
			19193	1RB#0	22.39	23.39
				1RB#3	22.45	23.45



				1RB#5	22.28	23.28
				3RB#0	22.28	23.28
				3RB#2	22.17	23.17
				3RB#3	22.24	23.24
				6RB#0	21.26	22.26
		16QAM	18607	1RB#0	21.51	22.51
				1RB#3	21.63	22.63
				1RB#5	21.39	22.39
			18900	1RB#0	21.41	22.41
				1RB#3	21.45	22.45
				1RB#5	21.53	22.53
			19193	1RB#0	21.05	22.05
				1RB#3	21.26	22.26
				1RB#5	21.53	22.53
	3M	QPSK	18615	1RB#0	22.25	23.25
				1RB#8	22.07	23.07
				1RB#14	22.41	23.41
				8RB#0	21.20	22.20
				8RB#4	21.19	22.19
				8RB#7	21.14	22.14
				15RB#0	21.17	22.17
			18900	1RB#0	22.51	23.51
				1RB#8	22.07	23.07
				1RB#14	22.22	23.22
				8RB#0	21.06	22.06
				8RB#4	21.14	22.14
				8RB#7	21.21	22.21
				15RB#0	21.17	22.17
			19185	1RB#0	22.98	23.98
				1RB#8	22.75	23.75
				1RB#14	22.69	23.69
				8RB#0	21.90	22.90
				8RB#4	21.92	22.92
				8RB#7	21.91	22.91
				15RB#0	21.76	22.76
		16QAM	18615	1RB#0	21.19	22.19
				1RB#8	21.09	22.09
				1RB#14	21.13	22.13
			18900	1RB#0	21.51	22.51
				1RB#8	21.07	22.07
				1RB#14	21.32	22.32
			19185	1RB#0	21.86	22.86
				1RB#8	21.69	22.69



	5M	QPSK	18625	1RB#14	21.85	22.85
				1RB#0	22.65	23.65
				1RB#13	22.68	23.68
				1RB#24	22.69	23.69
				12RB#0	21.77	22.77
				12RB#6	21.83	22.83
				12RB#13	21.88	22.88
				25RB#0	21.79	22.79
			18900	1RB#0	22.22	23.22
				1RB#13	22.17	23.17
				1RB#24	22.30	23.30
				12RB#0	20.15	21.15
				12RB#6	20.74	21.74
				12RB#13	21.21	22.21
				25RB#0	21.18	22.18
			19175	1RB#0	22.92	23.92
				1RB#13	22.09	23.09
				1RB#24	22.90	23.90
				12RB#0	22.01	23.01
				12RB#6	21.93	22.93
				12RB#13	21.84	22.84
				25RB#0	21.82	22.82
	10M	QPSK	18625	1RB#0	21.47	22.47
				1RB#13	21.45	22.45
				1RB#24	21.39	22.39
			18900	1RB#0	20.73	21.73
				1RB#13	20.64	21.64
				1RB#24	21.16	22.16
			19175	1RB#0	22.02	23.02
				1RB#13	21.83	22.83
				1RB#24	22.11	23.11
			18650	1RB#0	23.10	24.10
				1RB#25	22.78	23.78
				1RB#49	22.88	23.88
				25RB#0	21.55	22.55
				25RB#13	21.63	22.63
				25RB#25	21.75	22.75
				50RB#0	21.75	22.75
			18900	1RB#0	22.33	23.33
				1RB#25	22.17	23.17
				1RB#49	22.26	23.26
				25RB#0	21.30	22.30
				25RB#13	21.17	22.17



				25RB#25	21.28	22.28
				50RB#0	21.14	22.14
			19150	1RB#0	22.65	23.65
				1RB#25	22.82	23.82
				1RB#49	22.71	23.71
				25RB#0	21.74	22.74
				25RB#13	21.68	22.68
				25RB#25	21.67	22.67
				50RB#0	21.57	22.57
		16QAM	18650	1RB#0	21.88	22.88
				1RB#25	22.00	23.00
				1RB#49	21.95	22.95
			18900	1RB#0	21.57	22.57
				1RB#25	21.87	22.87
				1RB#49	21.54	22.54
			19150	1RB#0	21.68	22.68
				1RB#25	21.58	22.58
				1RB#49	21.29	22.29
	15M	QPSK	18675	1RB#0	22.43	23.43
				1RB#38	22.38	23.38
				1RB#74	22.46	23.46
				36RB#0	21.49	22.49
				36RB#18	21.46	22.46
				36RB#39	21.49	22.49
				75RB#0	21.39	22.39
			18900	1RB#0	22.47	23.47
				1RB#38	22.32	23.32
				1RB#74	22.29	23.29
				36RB#0	21.37	22.37
				36RB#18	21.34	22.34
				36RB#39	21.42	22.42
				75RB#0	21.39	22.39
			19125	1RB#0	22.47	23.47
				1RB#38	22.23	23.23
				1RB#74	22.38	23.38
				36RB#0	21.24	22.24
				36RB#18	21.21	22.21
				36RB#39	21.48	22.48
				75RB#0	21.39	22.39
		16QAM	18675	1RB#0	21.59	22.59
				1RB#38	21.48	22.48
				1RB#74	21.43	22.43
			18900	1RB#0	21.57	22.57



	20M			1RB#38	21.53	22.53
				1RB#74	21.38	22.38
			19125	1RB#0	21.48	22.48
				1RB#38	21.32	22.32
				1RB#74	21.38	22.38
		QPSK	18700	1RB#0	22.19	23.19
				1RB#50	22.41	23.41
				1RB#99	22.49	23.49
				50RB#0	21.53	22.53
				50RB#25	21.58	22.58
				50RB#50	21.62	22.62
				100RB#0	21.52	22.52
			18900	1RB#0	22.36	23.36
				1RB#50	22.70	23.70
				1RB#99	22.50	23.50
				50RB#0	21.31	22.31
				50RB#25	21.34	22.34
				50RB#50	21.44	22.44
				100RB#0	21.37	22.37
			19100	1RB#0	22.72	23.72
				1RB#50	22.63	23.63
				1RB#99	22.48	23.48
				50RB#0	21.39	22.39
				50RB#25	21.34	22.34
				50RB#50	21.38	22.38
				100RB#0	21.34	22.34
		16QAM	18700	1RB#0	21.94	22.94
				1RB#50	22.09	23.09
				1RB#99	21.89	22.89
			18900	1RB#0	21.78	22.78
				1RB#50	22.02	23.02
				1RB#99	21.77	22.77
			19100	1RB#0	22.30	23.30
				1RB#50	22.49	23.49
				1RB#99	22.21	23.21

5.2. Radiates Spurious Emission

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

1. The testing follows FCC KDB 971168 v03r01 Section 5.8 and ANSI C63.26 (2015).
2. Below 1GHz: The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H). Above 1GHz: (Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.) The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).
3. A loop antenna, A log-periodic antenna or horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
4. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=1MHz, VBW=3MHz, and the maximum value of the receiver should be recorded as (Pr).
5. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
6. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.
7. The measurement results are obtained as described below:

$$\text{Power(EIRP)} = \text{PMea} - \text{PAg} - \text{Pcl} + \text{Ga}$$
The measurement results are amend as described below:

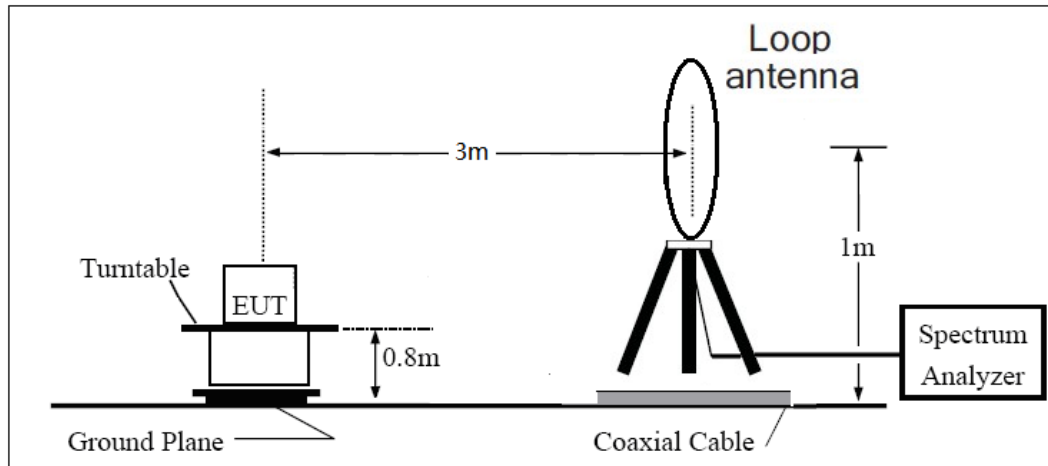
$$\text{Power(EIRP)} = \text{PMea} - \text{Pcl} + \text{Ga}$$
8. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dB) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP

= EIRP-2.15dB.

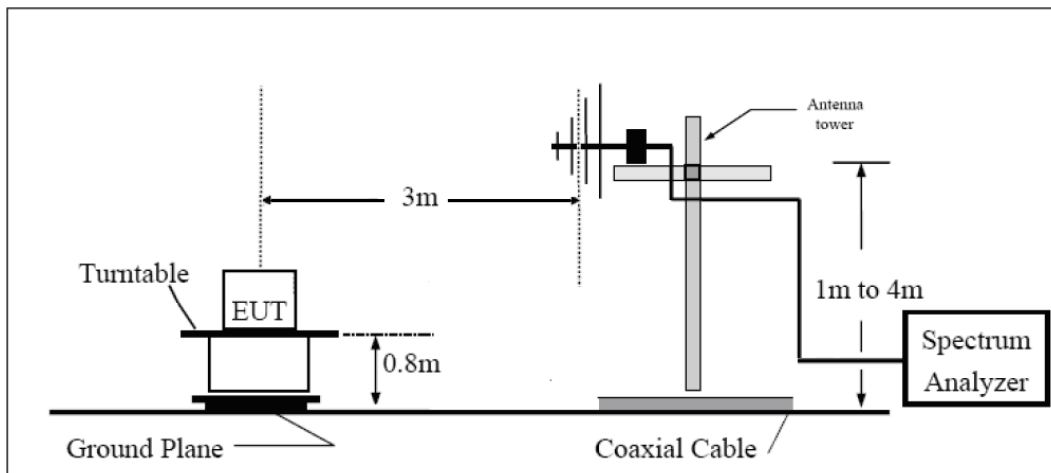
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup

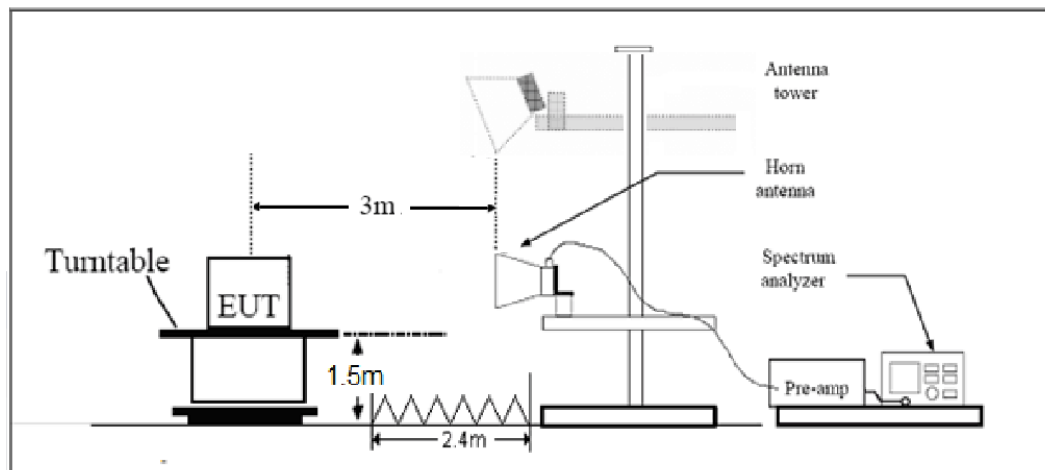
9KHz ~ 30MHz



30MHz ~ 1GHz



Above 1GHz



Note: Area side: 2.4mX3.6m

Limits

Rule Part 24.238(a) specifies that “on any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10} (P)$ dB.”

Limit	-13 dBm
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Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U = 3.55$ dB.

Test Result

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in the report.

WCDMA Band II CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3760.00	-53.18	2.60	12.50	Horizontal	-43.28	-13.00	30.28	180
3	5637.10	-48.80	3.30	12.50	Horizontal	-39.60	-13.00	26.60	0
4	7520.00	-56.58	4.20	12.20	Horizontal	-48.58	-13.00	35.58	90
5	9400.00	-53.06	4.30	11.10	Horizontal	-46.26	-13.00	33.26	45
6	11280.00	-48.67	5.90	11.90	Horizontal	-42.67	-13.00	29.67	315
7	13160.00	-51.29	5.70	14.00	Horizontal	-42.99	-13.00	29.99	90
8	15040.00	-46.41	5.80	13.10	Horizontal	-39.11	-13.00	26.11	45
9	16920.00	-48.88	6.10	14.60	Horizontal	-40.38	-13.00	27.38	0
10	18800.00	-	-	-	-	-	-	-	-

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

LTE Band 2 1.4MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3759.0	-43.20	2.60	12.50	Horizontal	-33.30	-13.0	20.30	45
3	5638.9	-39.73	3.30	12.50	Horizontal	-30.53	-13.0	17.53	180
4	7520.0	-55.15	4.20	12.20	Horizontal	-47.15	-13.0	34.15	90
5	9400.0	-51.48	4.30	11.10	Horizontal	-44.68	-13.0	31.68	0
6	11280.0	-50.23	5.90	11.90	Horizontal	-44.23	-13.0	31.23	45
7	13160.0	-51.10	5.70	14.00	Horizontal	-42.80	-13.0	29.80	270
8	15040.0	-46.14	5.80	13.10	Horizontal	-38.84	-13.0	25.84	315
9	16920.0	-46.03	6.10	14.60	Horizontal	-37.53	-13.0	24.53	90
10	18800.0	--	--	--	--	--	--	--	--

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.



LTE Band 2 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3755.6	-41.67	2.60	12.50	Horizontal	-31.77	-13.0	18.77	135
3	5633.6	-43.96	3.30	12.50	Horizontal	-34.76	-13.0	21.76	90
4	7520.0	-55.99	4.20	12.20	Horizontal	-47.99	-13.0	34.99	0
5	9400.0	-51.37	4.30	11.10	Horizontal	-44.57	-13.0	31.57	315
6	11280.0	-50.02	5.90	11.90	Horizontal	-44.02	-13.0	31.02	270
7	13160.0	-51.03	5.70	14.00	Horizontal	-42.73	-13.0	29.73	135
8	15040.0	-45.82	5.80	13.10	Horizontal	-38.52	-13.0	25.52	90
9	16920.0	-47.67	6.10	14.60	Horizontal	-39.17	-13.0	26.17	0
10	18800.0	--	--	--	--	--	--	--	--

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

LTE Band 2 20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3742.1	-42.88	2.60	12.50	Horizontal	-32.98	-13.0	19.98	45
3	5613.4	-42.88	3.30	12.50	Horizontal	-33.68	-13.0	20.68	90
4	7484.6	-55.93	4.20	12.20	Horizontal	-47.93	-13.0	34.93	315
5	9400.0	-52.21	4.30	11.10	Horizontal	-45.41	-13.0	32.41	45
6	11280.0	-49.18	5.90	11.90	Horizontal	-43.18	-13.0	30.18	0
7	13160.0	-51.01	5.70	14.00	Horizontal	-42.71	-13.0	29.71	180
8	15040.0	-46.14	5.80	13.10	Horizontal	-38.84	-13.0	25.84	135
9	16920.0	-48.54	6.10	14.60	Horizontal	-40.04	-13.0	27.04	0
10	18800.0	--	--	--	--	--	--	--	--

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Base Station Simulator	R&S	CMW500	113824	2021-05-15	2022-05-14
Spectrum Analyzer	R&S	FSV30	104028	2021-05-15	2022-05-14
Horn Antenna	Schwarzbeck	BBHA 9120D	1594	2020-12-17	2021-12-16
Software	R&S	EMC32	10.35.10	/	/

*****END OF REPORT *****



ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.



ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.