



RF Test Report

Applicant : Reliance Communications LLC
Product Type : GSM/CDMA/WCDMA/LTE mobile phone
Trade Name : Orbic
Model Number : RC555L
Test Specification : FCC 47 CFR PART 22H
FCC 47 CFR PART 24E
ANSI/TIA-603-D 2010
Receive Date : Sep. 07, 2017
Test Period : Sep. 20 ~ Sep. 26, 2017
Issue Date : Oct. 16, 2017

Issue by

A Test Lab Techno Corp.
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Taiwan Accreditation Foundation accreditation number: 1330

Test Firm MRA designation number: TW0010

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Revision History

Rev.	Issue Date	Revisions	Revised By
00	Sep. 29, 2017	Initial Issue	Nina Lin
01	Oct. 16, 2017	Revised report information	Nina Lin



Verification of Compliance

Issued Date: Oct. 16, 2017

Applicant : Reliance Communications LLC
Product Type : GSM/CDMA/WCDMA/LTE mobile phone
Trade Name : Orbic
Model Number : RC555L
FCC ID : 2ABGH-RC555L
EUT Rated Voltage : DC 5V, 2A or DC 9V, 2A
Test Voltage : 120 Vac / 60 Hz
Applicable Standard : FCC 47 CFR PART 22H
FCC 47 CFR PART 24E
ANSI/TIA-603-D 2010
Test Result : Complied

Performing Lab. : A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade District,
Taoyuan City 33465, Taiwan (R.O.C)
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Taiwan Accreditation Foundation accreditation number: 1330
<http://www.atl-lab.com.tw/e-index.htm>

A Test Lab Techno Corp. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by A Test Lab Techno Corp. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By :

Fly Lu

(Manager)

Reviewed By :

Eric Ou Yang

(Testing Engineer)

(Eric Ou Yang)

TABLE OF CONTENTS

1	General Information	5
1.1.	EUT Description	5
1.2.	Mode of Operation.....	6
1.3.	EUT Exercise Software	6
1.4.	Configuration of Test System Details.....	7
1.5.	Test Instruments	8
1.6.	Test Site Environment.....	9
1.7.	Summary of Test Result	9
2	Test Results	10
2.1.	Effective Radiated Power / Equivalent Isotropic Radiated Power Test	10
2.2.	Field Strength of Spurious Radiation Test.....	13
3	Test Results	16
	Appendix A: Effective Radiated Power / Equivalent Isotropic Radiated Power.....	16
	Appendix B: Field Strength of Spurious Radiation	17



1 General Information

1.1. EUT Description

Applicant	Reliance Communications LLC 555 Wireless Blvd, Hauppauge, New York, 11788, United States			
Manufacturer	Unimaxcomm Room 602, Building-B, Shenzhen Software Park T3, Hi-Tech Park South, Nan Shan District, Shenzhen, China			
Product Type	GSM/CDMA/WCDMA/LTE mobile phone			
Trade Name	Orbic			
Model Number	RC555L			
FCC ID	2ABGH-RC555L			
IMEI No.	358924080001802			
Mode	Band	UL Frequency (MHz)	DL Frequency (MHz)	Modulation
GSM/GPRS/EGPRS	850	824.2 ~ 848.8	869.2 ~ 893.8	GMSK/8PSK
	1900	1850.2 ~ 1909.8	1930.2 ~ 1989.8	GMSK/8PSK
Channel Control	Auto			
Antenna information	Type		Max. Gain (dBi)	
	LDS Antenna		GSM/GPRS/EGPRS 850	-1
			GSM/GPRS/EGPRS 1900	1
Operate Temp. Range	-10 ~ 40 °C			

Frequency Band	E.R.P. / E.I.R.P. (W)	
GSM 850	0.489	(E.R.P.)
EGPRS 850	0.127	(E.R.P.)
GSM 1900	0.166	(E.I.R.P.)
EGPRS 1900	0.066	(E.I.R.P.)



1.2. Mode of Operation

ATL has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Mode 1: GSM 850 Link Mode
Mode 2: GSM 1900 Link Mode
Mode 3: EGPRS 850 Link Mode
Mode 4: EGPRS 1900 Link Mode

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

By preliminary testing and verifying three axis (X, Y and Z) position of EUT transmitted status, it was found that "X axis" position was the worst, then the final test was executed the worst condition and test data were recorded in this report.

Tested System Details

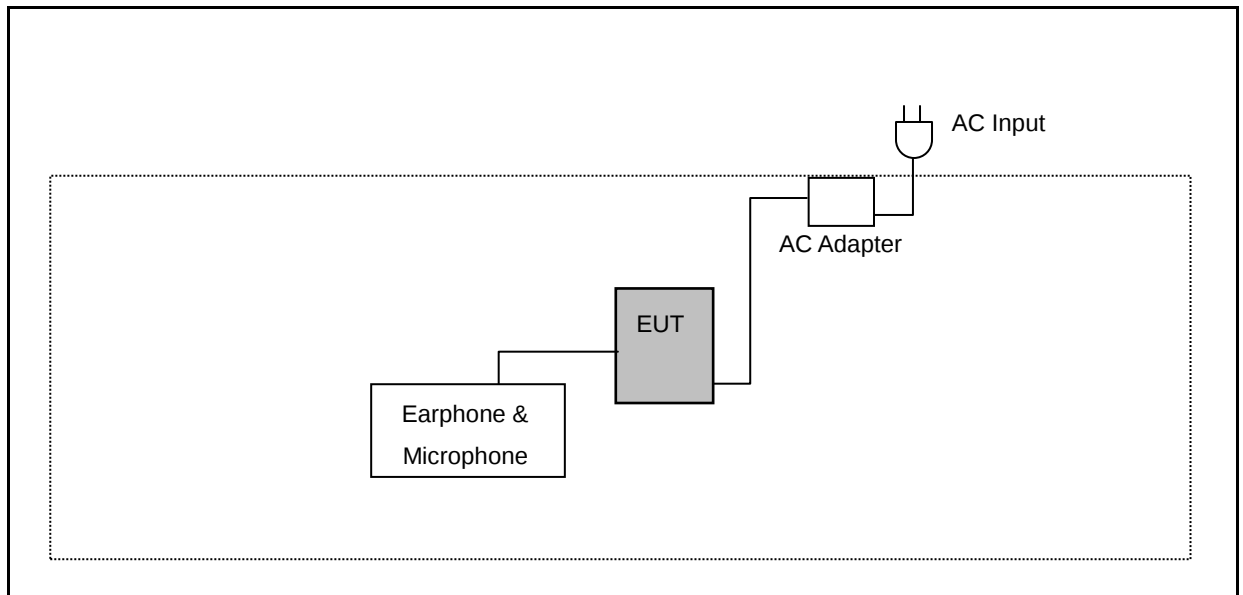
The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

	Product	Manufacturer	Model Number	Serial Number	Power Cord
1.	Universal Radio Communication Tester	R & S	CMU200	112387	NA

1.3. EUT Exercise Software

1	Setup the EUT and Base Station (CMU200) as shown on 1.4.
2	Turn on the power of all equipment.

1.4. Configuration of Test System Details





1.5. Test Instruments

For Spurious Radiation

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Cycle
RF Pre-selector	Agilent	N9039A	MY46520256	04/24/2017	1 year
Spectrum Analyzer	Agilent	E4446A	MY46180578	04/24/2017	1 year
Pre Amplifier	Agilent	8449B	3008A02237	10/11/2016	1 year
Pre Amplifier	Agilent	8447D	2944A11119	01/12/2017	1 year
Pre Amplifier (26.5~40GHz)	EMCI	EMC2654045	980028	08/29/2017	1 year
Pre Amplifier (1~26.5GHz)	EMCI	EMC012645SE	980289	01/16/2017	1 year
Broadband Antenna	Schwarzbeck	VULB9168	416	10/13/2016	1 year
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/20/2017	1 year
Horn Antenna (18~40GHz)	ETS	3116	00086467	09/11/2017	1 year
Microwave Cable	EMCI	EMC102-KM-KM- 14000	151001	02/20/2017	1 year
Microwave Cable	EMCI	EMC-104-SM-SM -14000	140202	02/20/2017	1 year
Microwave Cable	EMCI	EMC104-SM-SM- 600	140301	02/20/2017	1 year
Signal Generator	Agilent	E8257D	MY44320425	03/02/2017	1 year
Test Site	ATL	TE01	888001	08/29/2017	1 year

Note: N.C.R. = No Calibration Request.



1.6. Test Site Environment

Items	Required (IEC 60068-1)	Actual
Temperature (°C)	15-35	26
Humidity (%RH)	25-75	60
Barometric pressure (mbar)	860-1060	950

1.7. Summary of Test Result

FCC Rule	Description	Result
§2.1046	Conducted Output Power	N/A (Note)
§22.913(a)(2)	Effective Radiated Power	Pass
§24.232(c)	Equivalent Isotropic Radiated Power	Pass
§2.1049 §22.917(b) §24.238(b)	Emission Bandwidth & Occupied Bandwidth	N/A (Note)
§2.1051 §22.917(a) §24.238(a)	Band Edge Measurement	N/A (Note)
§2.1051 §22.917(a) §24.238(a)	Conducted Spurious Emission	N/A (Note)
§2.1053 §22.917(a) §24.238(a)	Field Strength of Spurious Radiation	Pass
§2.1055 §22.355 §24.235	Frequency Stability for Temperature & Voltage	N/A (Note)

Note : Refer report number : I17Z61374-WMD01

2 Test Results

2.1. Effective Radiated Power / Equivalent Isotropic Radiated Power Test

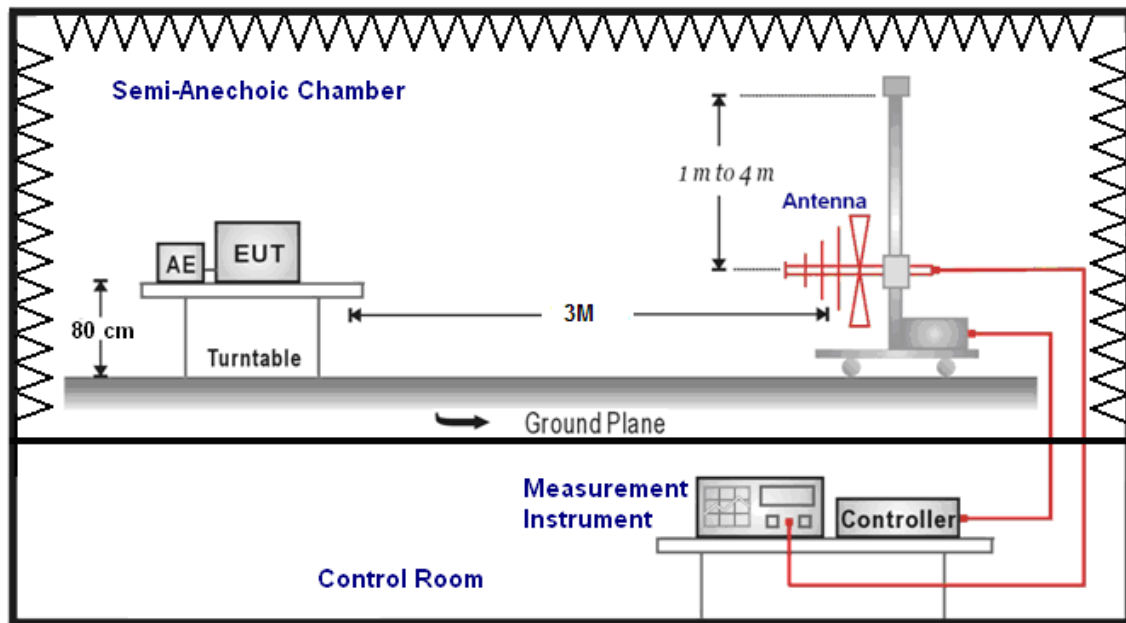
■ Limit

For FCC Part 22.913(a)(2): The E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

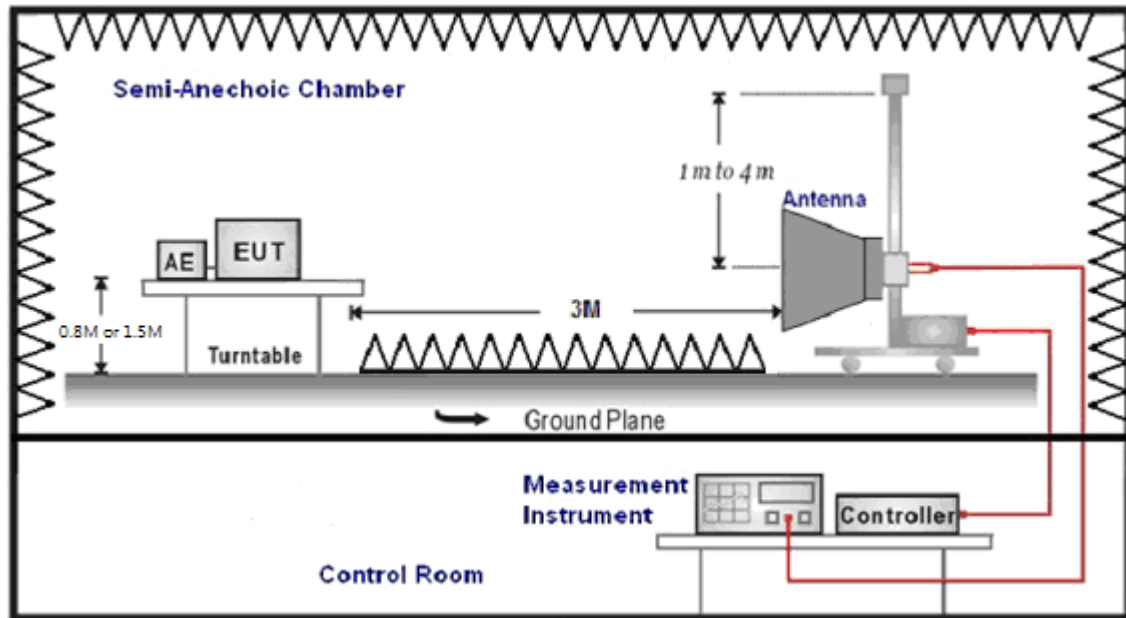
For FCC Part 24.232(c): The E.I.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 2 Watts.

■ Setup

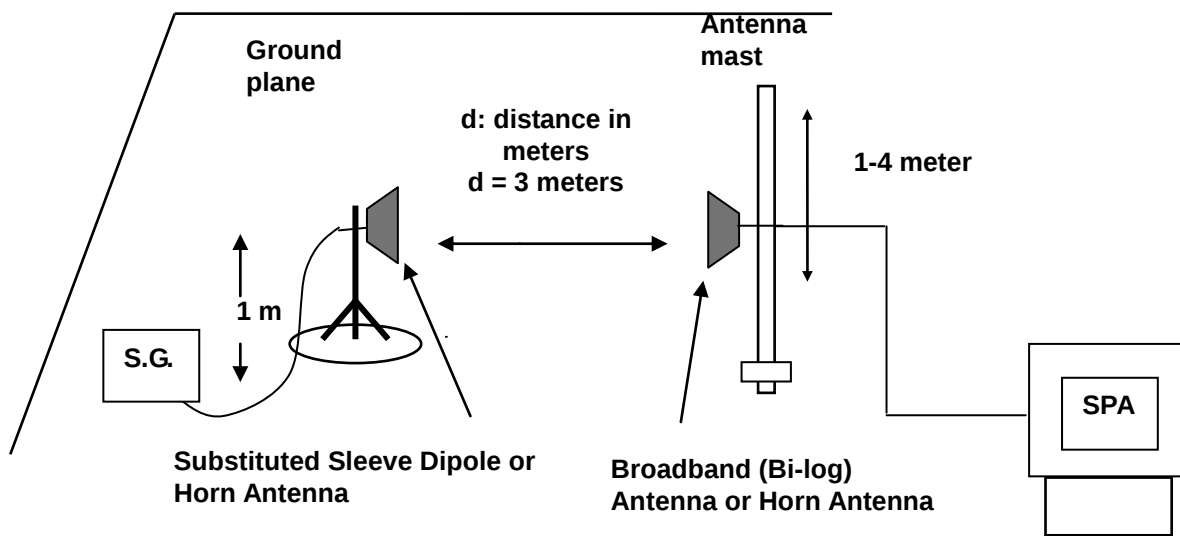
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



■ Test Procedure

For FCC

- a. The EUT was set up for the maximum power with wwan link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range).
- b. E.I.R.P power measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.
- c. The substitution antenna (Note:1 & 2) is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value” of step a. Record the power level of S.G.
- d. E.I.R.P. = Output power level of S.G - TX cable loss + Antenna gain of substitution horn
- e. E.R.P. = E.I.R.P.- 2.15 dB

Note: 1. Below 1 GHz Substituted Method Test : Sleeve dipole antenna to Bi-Log Antenna

2. Above 1 GHz Substituted Method Test : Horn antenna to Horn Antenna

■ Uncertainty

The measurement uncertainty is defined as for Field Strength of Spurious Radiation measurement is ± 3.072 dB.

2.2. Field Strength of Spurious Radiation Test

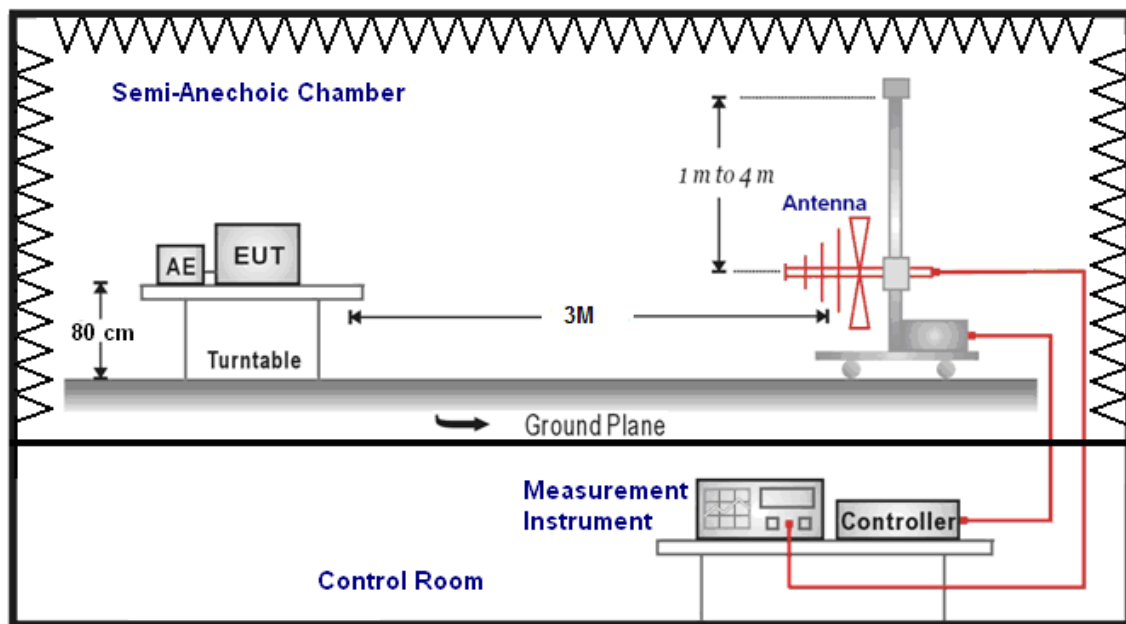
■ Limit

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.

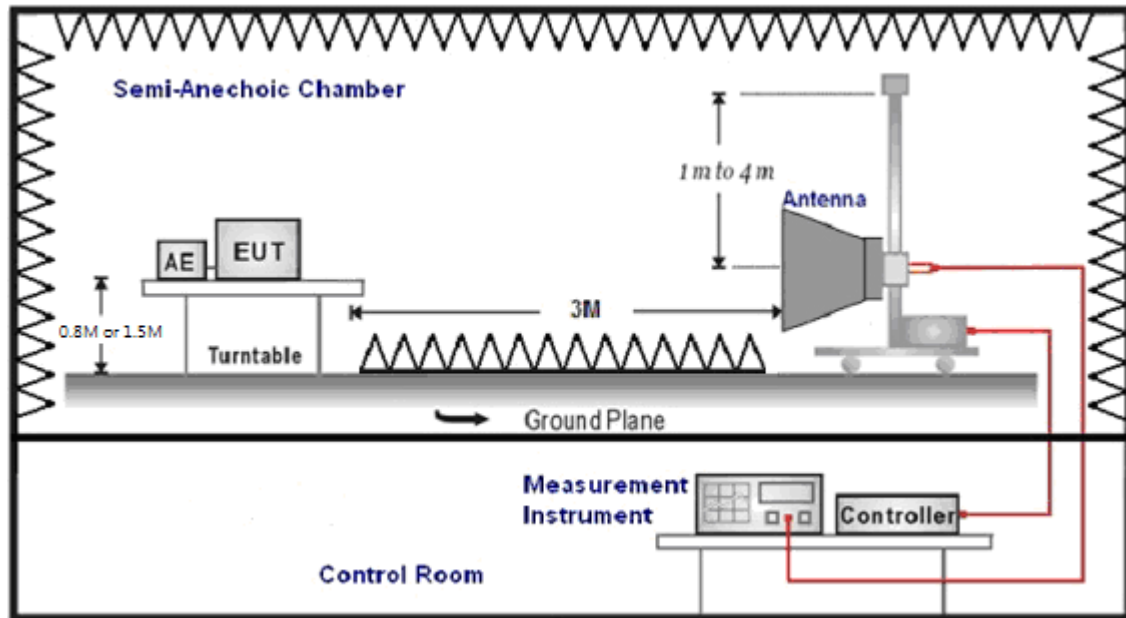
It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

■ Setup

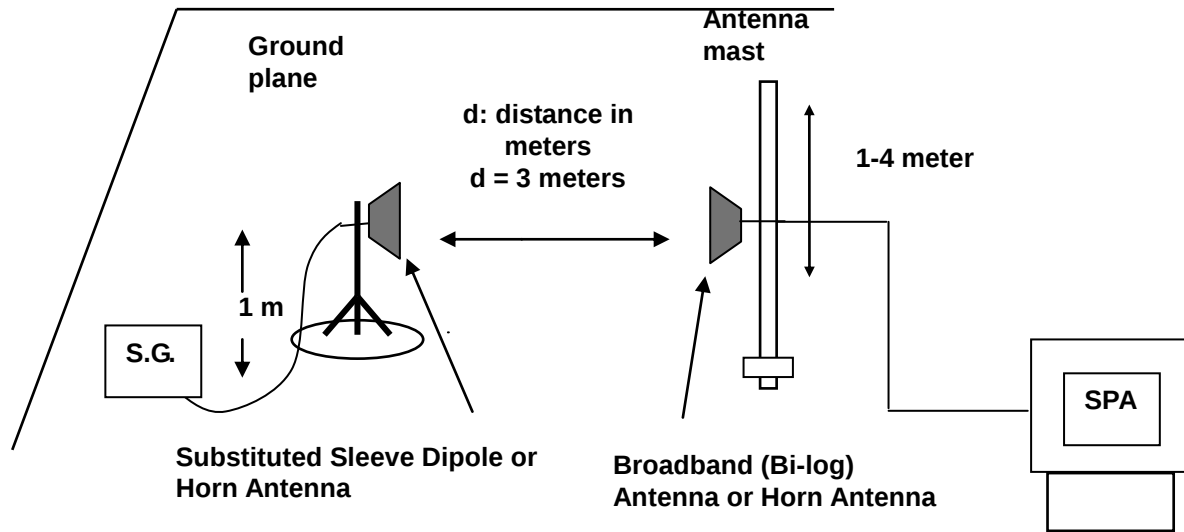
Below 1GHz



Above 1GHz



For Substituted Method Test Set-UP



■ Test Procedure

For FCC

- a. The EUT was set up for the maximum power with wwan link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range).
- b. E.I.R.P power measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- c. The substitution antenna (Note:1 & 2) is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G.
- d. $E.I.R.P. = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$
- e. $E.R.P. = E.I.R.P. - 2.15 \text{ dB}$

Note: 1. Below 1 GHz Substituted Method Test : Sleeve dipole antenna to Bi-Log Antenna

2. Above 1 GHz Substituted Method Test : Horn antenna to Horn Antenna

■ Uncertainty

The measurement uncertainty is defined as for Field Strength of Spurious Radiation measurement is $\pm 3.072 \text{ dB}$.

3 Test Results

Appendix A: Effective Radiated Power / Equivalent Isotropic Radiated Power

Band	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.R.P.		Limit (W)
						(dBm)	(W)	
GSM 850	GMSK	824.2	H	21.16	-0.10	21.06	0.128	< 7
			V	23.89	-0.09	23.80	0.240	< 7
		836.6	H	25.45	0.04	25.49	0.354	< 7
			V	26.85	0.04	26.89	0.489	< 7
		848.8	H	24.68	0.03	24.71	0.296	< 7
			V	26.40	0.03	26.43	0.440	< 7
Band	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		Limit (W)
						(dBm)	(W)	
GSM 1900	GMSK	1850.2	H	31.95	-10.70	21.25	0.133	< 2
			V	31.96	-10.70	21.26	0.134	< 2
		1880.0	H	31.95	-10.24	21.71	0.148	< 2
			V	31.60	-10.24	21.36	0.137	< 2
		1909.8	H	31.97	-9.78	22.19	0.166	< 2
			V	31.64	-9.78	21.86	0.153	< 2

Band	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.R.P.		Limit (W)
						(dBm)	(W)	
EGPRS 850	8PSK	824.2	H	16.08	-0.09	15.99	0.040	< 7
			V	17.14	-0.09	17.05	0.051	< 7
		836.6	H	21.01	0.04	21.05	0.127	< 7
			V	19.74	0.04	19.78	0.095	< 7
		848.8	H	18.86	0.03	18.89	0.077	< 7
			V	18.86	0.03	18.89	0.077	< 7
Band	Modulation	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	E.I.R.P.		
						(dBm)	(W)	
EGPRS 1900	8PSK	1850.2	H	27.88	-10.70	17.18	0.052	< 2
			V	27.63	-10.70	16.93	0.049	< 2
		1880.0	H	27.97	-10.24	17.73	0.059	< 2
			V	27.76	-10.24	17.52	0.056	< 2
		1909.8	H	27.96	-9.78	18.18	0.066	< 2
			V	26.65	-9.78	16.87	0.049	< 2



Appendix B: Field Strength of Spurious Radiation

Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	824.2MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_GSM_850_CH128_H	Date:	09/20/2017
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1648.400	-25.84	-13.43	-39.27	-13.00	-26.27	peak

Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	824.2MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_GSM_850_CH128_V	Date:	09/20/2017
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1648.400	-26.63	-13.43	-40.06	-13.00	-27.06	peak



Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	836.6MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_GSM_850_CH190_H	Date:	09/20/2017
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1673.200	-28.79	-13.10	-41.89	-13.00	-28.89	peak

Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	836.6MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_GSM_850_CH190_V	Date:	09/20/2017
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1673.200	-29.20	-13.10	-42.30	-13.00	-29.30	peak



Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	848.8MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_GSM_850_CH251_H	Date:	09/20/2017
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1697.600	-26.73	-12.75	-39.48	-13.00	-26.48	peak

Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	848.8MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_GSM_850_CH251_V	Date:	09/20/2017
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1697.600	-28.74	-12.75	-41.49	-13.00	-28.49	peak



Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	1850.2MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_GSM_1900_CH512_H	Date:	09/20/2017
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3700.400	-47.18	-6.13	-53.31	-13.00	-40.31	peak

Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	1850.2MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_GSM_1900_CH512_V	Date:	09/20/2017
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3700.400	-47.79	-6.13	-53.92	-13.00	-40.92	peak



Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	1880MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_GSM_1900_CH661_H	Date:	09/20/2017
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-46.32	-5.87	-52.19	-13.00	-39.19	peak

Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	1880MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_GSM_1900_CH661_V	Date:	09/20/2017
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-45.65	-5.87	-51.52	-13.00	-38.52	peak



Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	1909.8MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_GSM_1900_CH810_H	Date:	09/20/2017
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3819.600	-45.03	-5.81	-50.84	-13.00	-37.84	peak

Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	1909.8MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_GSM_1900_CH810_V	Date:	09/20/2017
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3819.600	-45.91	-5.81	-51.72	-13.00	-38.72	peak



Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	824.2MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_EGPRS_850_CH128_H	Date:	09/20/2017
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1648.400	-28.13	-13.43	-41.56	-13.00	-28.56	peak

Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	824.2MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_EGPRS_850_CH128_V	Date:	09/20/2017
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1648.400	-34.08	-13.43	-47.51	-13.00	-34.51	peak



Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	836.6MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_EGPRS_850_CH190_H	Date:	09/20/2017
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1673.200	-30.63	-13.10	-43.73	-13.00	-30.73	peak

Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	836.6MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_EGPRS_850_CH190_V	Date:	09/20/2017
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1673.200	-30.67	-13.10	-43.77	-13.00	-30.77	peak



Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	848.8MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_EGPRS_850_CH251_H	Date:	09/20/2017
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1697.600	-29.19	-12.75	-41.94	-13.00	-28.94	peak

Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	848.8MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_EGPRS_850_CH251_V	Date:	09/20/2017
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1697.600	-32.76	-12.75	-45.51	-13.00	-32.51	peak



Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	1850.2MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_EGPRS_1900_CH512_H	Date:	09/20/2017
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3700.400	-48.63	-6.13	-54.76	-13.00	-41.76	peak

Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	1850.2MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_EGPRS_1900_CH512_V	Date:	09/20/2017
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3700.400	-48.33	-6.13	-54.46	-13.00	-41.46	peak



Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	1880MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_EGPRS_1900_CH661_H	Date:	09/20/2017
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-47.10	-5.87	-52.97	-13.00	-39.97	peak

Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	1880MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_EGPRS_1900_CH661_V	Date:	09/20/2017
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3760.000	-47.28	-5.87	-53.15	-13.00	-40.15	peak



Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	1909.8MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_EGPRS_1900_CH810_H	Date:	09/20/2017
Ant.Polar.:	Horizontal		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3819.600	-46.54	-5.81	-52.35	-13.00	-39.35	peak

Standard:	FCC Part 22H / 24E	Test Distance:	3m
Test item:	Harmonic	Power:	AC 120V/60Hz
Frequency:	1909.8MHz	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2G_EGPRS_1900_CH810_V	Date:	09/20/2017
Ant.Polar.:	Vertical		

No.	Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3819.600	-48.24	-5.81	-54.05	-13.00	-41.05	peak