TEST REPORT

Application No.:	SEWM2205000047RG
Applicant:	Heimgard Technologies AS
Address of Applicant:	Postbox 1618 VIKA, 0119 Oslo, Norway
Manufacturer:	Heimgard Technologies AS
Address of Manufacturer:	Postbox 1618 VIKA, 0119 Oslo, Norway
EUT Description:	Hybrid Router 4G
Model No.:	C4DM-ADAE-C0S0CCLEH-HCv1
Trade Mark:	Heimgard, Heimgard Technologies
FCC ID:	2A62BHYBRIDROUTER4G
Standards:	47 CFR Part 2 47 CFR Part 22 47 CFR Part 24 47 CFR Part 27
Date of Receipt:	2022/05/27
Date of Test:	2022/06/03 to 2022/06/25
Date of Issue:	2022/07/01
Test Result :	**PASS ***

* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

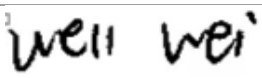
Authorized Signature:

Panta Sun

Panta Sun
Wireless Laboratory Manager

1 Version

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2022/07/01		Original

Prepared By		 **(Weller Liu) / Test Engineer**
Checked By		 **(Well Wei) / Reviewer**

Contents

2 Test Summary

2.1 GSM850/UMTS Band 5/LTE Band 5

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §22.913(a)(5)	ERP ≤ 7 W	Clause4.1&4.2	Pass
Peak-Average Ratio	§22.913(d)	Limit≤13 dB	See Remark	
Modulation Characteristics	§2.1047	Digital modulation	See Remark	
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	See Remark	
Band Edges Compliance	§2.1051, §22.917(a)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	See Remark	
Spurious Emission at Antenna Terminals	§2.1051, §22.917(a)	FCC: ≤ -13 dBm/100 kHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges.	See Remark	
Field Strength of Spurious Radiation	§2.1053, §22.917(a)	FCC: ≤ -13 dBm/100 kHz.	Clause4.3	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §22.355	≤ ±2.5ppm.	See Remark	

Remark:
Only the Effective (Isotropic) Radiated Power Output Data and Radiated Spurious Emission were fully tested. These items please refer to the LTE Module report BTL-FCCP-1-2110H020.
The FCC ID is XMR202112EC200AAU has been certified, and the test report issued by BTL Inc. on 2021/12/9.

2.2 GSM 1900/UMTS Band 2 /LTE Band 2

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §24.232(c)	EIRP ≤ 2 W	Clause4.1&4.2	Pass
Peak-Average Ratio	§24.232(d)	Limit≤13 dB	See Remark	
Modulation Characteristics	§2.1047	Digital modulation	See Remark	
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	See Remark	
Band Edges Compliance	§2.1051, §24.238(a)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	See Remark	
Spurious Emission at Antenna Terminals	§2.1051, §24.238(a)	≤ -13 dBm/1 MHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges.	See Remark	
Field Strength of Spurious Radiation	§2.1053, §24.238(a)	≤ -13 dBm/1 MHz.	Clause4.3	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §24.235	Within authorized bands of operation/frequency block.	See Remark	

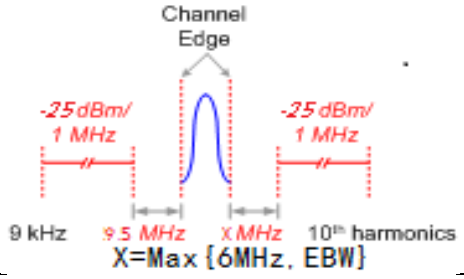
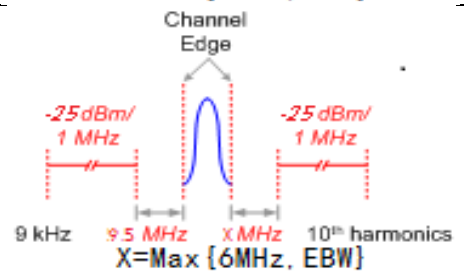
Remark:
Only the Effective (Isotropic) Radiated Power Output Data and Radiated Spurious Emission were fully tested. These items please refer to the LTE Module report BTL-FCCP-2-2110H020.
The FCC ID is XMR202112EC200AAU has been certified, and the test report issued by BTL Inc. on 2021/12/9.

2.3 UMTS Band 4 /LTE Band 4 /66

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(d)(4)	EIRP ≤ 1 W	Clause4.1&4.2	Pass
Peak-Average Ratio	§27.50(d)(5)	Limit≤13 dB	See Remark	
Modulation Characteristics	§2.1047	Digital modulation	See Remark	
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	See Remark	
Band Edges Compliance	§2.1051, §27.53(h)	≤ -13 dBm/1%*EBW, in 1 MHz bands immediately outside and adjacent to the frequency block.	See Remark	
Spurious Emission at Antenna Terminals	§2.1051, §27.53(h)	≤ -13 dBm/1 MHz, from 9 kHz to 10th harmonics but outside authorized operating frequency ranges.	See Remark	
Field Strength of Spurious Radiation	§2.1053, §27.53(h)	≤ -13 dBm/1 MHz.	Clause4.3	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §27.54	Within authorized bands of operation/frequency block.	See Remark	

Remark:
Only the Effective (Isotropic) Radiated Power Output Data and Radiated Spurious Emission were fully tested. These items please refer to the LTE Module report BTL-FCCP-3-2110H020.
The FCC ID is XMR202112EC200AAU has been certified, and the test report issued by BTL Inc. on 2021/12/9.

2.4 LTE Band 7

Test Item	FCC Rule No.	Requirements	Test Result	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(h)(2)	EIRP ≤ 2W	Clause4.1&4.2	Pass
Peak-Average Ratio	---	≤13 dB	See Remark	
Modulation Characteristics	§2.1047	Digital modulation	See Remark	
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	See Remark	
Band Edges Compliance	§2.1051, §27.53(m4)	For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as de□ned in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz.	See Remark	
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)		See Remark	
Field Strength of Spurious Radiation	§2.1053, §27.53(m)		Clause4.3	Pass
Frequency Stability	§2.1055(a)(1)(b) §2.1055(d)(1) §27.54	Within authorized bands of operation/frequency block.	See Remark	

Remark:
Only the Effective (Isotropic) Radiated Power Output Data and Radiated Spurious Emission were fully tested. These items please refer to the LTE Module report BTL-FCCP-3-2110H020.
The FCC ID is XMR202112EC200AAU has been certified, and the test report issued by BTL Inc. on 2021/12/9.

3 General Information

3.1 Details of Client

Applicant:	Heimgard Technologies AS
Address of Applicant:	Postbox 1618 VIKA, 0119 Oslo, Norway
Manufacturer:	Heimgard Technologies AS
Address of Manufacturer:	Postbox 1618 VIKA, 0119 Oslo, Norway

3.2 Test Location

Company:	SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Address:	South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone
Post code:	215000
Test engineer:	Weller Liu, Tizzy Song

3.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA (Certificate No. 6336.01)**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6336.01.

- **Innovation, Science and Economic Development Canada**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0120.

IC#: 27594.

- **FCC –Designation Number: CN1312**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized as an accredited testing laboratory.

Designation Number: CN1312.

Test Firm Registration Number: 717327

3.4 General Description of EUT

EUT Description:	Hybrid Router 4G				
Model No.:	C4DM-ADAE-C0S0CCLEH-HCv1				
Trade Mark:	Heimgard, Heimgard Technologies				
Hardware Version:	C0S0CCLEH-HCv1				
Software Version:	Version V23				
Antenna Type:	☐ External, ☒ Integrated				
Antenna Gain*:	☒Provided by client				
	GSM850:	1.58dBi	GSM1900:	3.32dBi	
	WCDMA Band II:	3.32dBi	WCDMA Band IV:	3.32dBi	
	WCDMA Band V:	1.58dBi			
	LTE Band 2:	3.32dBi	LTE Band 4:	3.32dBi	
	LTE Band 5:	1.58dBi	LTE Band 7:	1.77dBi	
	LTE Band 66:	3.25dBi			
RF Cable:	0.8dB(Below 1GHz)		1.0dB(1.0~2.0GHz)		1.2dB(2.0~3.0GHz)

Note: *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information , SGS is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.
Remark:
As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

3.5 Test Mode

Test Mode	Test Modes Description
GSM/TM1	GSM system, GSM/GPRS, GMSK modulation
GSM/TM2	GSM system, EGPRS, 8PSK modulation
UMTS/TM1	UMTS system, WCDMA, QPSK modulation
LTE/TM1	LTE system, QPSK modulation
LTE/TM2	LTE system, 16QAM modulation
Remark: The test mode(s) are selected according to relevant radio technology specifications.	

3.6 Test Environment

Environment Parameter	101.0 kPa Selected Values During Tests	
Relative Humidity	44-46 % RH Ambient	
Value	Temperature(℃)	Voltage(V)
NTNV	22~23	12
Remark: NV: Normal Voltage NT: Normal Temperature		

3.7 Description of Support Units

The EUT has been tested as an independent unit.

3.8 Technical Specification

Characteristics	Description				
Radio System Type	☒ GSM	☒ UMTS	☒ LTE		
Supported Frequency Range	Band	TX	RX		
	GSM850	824 to 849 MHz	869 to 894 MHz		
	GSM1900	1850 to 1910 MHz	1930 to 1990 MHz		
	UMTS Band II	1850 to 1910 MHz	1930 to 1990 MHz		
	UMTS Band IV	1710 to 1755 MHz	2110 to 2155 MHz		
	UMTS Band V	824 to 849 MHz	869 to 894 MHz		
	LTE Band 2	1850 to 1910 MHz	1930 to 1990 MHz		
	LTE Band 4	1710 to 1755 MHz	2110 to 2155 MHz		
	LTE Band 5	824 to 849 MHz	869 to 894 MHz		
	LTE Band 7	2500 to 2570 MHz	2620 to 2690 MHz		
	LTE Band 66	1710 to 1780 MHz	2110 to 2200 MHz		
Supported Channel Bandwidth	GSM system:	☒0.2 MHz			
	UMTS system:	☒5 MHz			
	LTE Band 2	☒1.4 MHz	☒3 MHz	☒5 MHz	☒10 MHz
		☒15 MHz	☒20 MHz		
	LTE Band 4	☒1.4 MHz	☒3 MHz	☒5 MHz	☒10 MHz
		☒15 MHz	☒20 MHz		
	LTE Band 5	☒1.4 MHz	☒3 MHz	☒5 MHz	☒10 MHz
	LTE Band 7	☒5 MHz	☒10 MHz	☒15 MHz	☒20 MHz
	LTE Band66	☒1.4 MHz	☒3 MHz	☒5 MHz	☒10 MHz
		☒15MHz	☒20MHz		
	Note1: WCDMA supports HSUPA, HSDPA, DC-HSDPA,HSPA+, but only the worst case was tested and the data displayed in this report.				

3.9 Test Frequencies

Test Mode	TX / RX	RF Channel		
		Low (L)	Middle (M)	High (H)
GSM850	TX	Channel 128	Channel 190	Channel 251
		824.2MHz	836.6 MHz	848.8 MHz
	RX	Channel 128	Channel 190	Channel 251
		869.2 MHz	881.6 MHz	893.8 MHz

Test Mode	TX / RX	RF Channel		
		Low (L)	Middle (M)	High (H)
GSM1900	TX	Channel 512	Channel 661	Channel 810
		1850.2MHz	1880.0 MHz	1909.8 MHz
	RX	Channel 512	Channel 661	Channel 810
		1930.2 MHz	1960.0 MHz	1989.8 MHz

Test Mode	TX / RX	RF Channel		
		Low (L)	Middle (M)	High (H)
WCDMA Band II	TX	Channel 9262	Channel 9400	Channel 9538
		1852.4 MHz	1880.0 MHz	1907.6 MHz
	RX	Channel 9662	Channel 9800	Channel 9938
		1932.4 MHz	1960.0 MHz	1987.6 MHz

Test Mode	TX / RX	RF Channel		
		Low (L)	Middle (M)	High (H)
WCDMA Band IV	TX	Channel 1312	Channel 1413	Channel 1513
		1712.4MHz	1732.6 MHz	1752.6 MHz
	RX	Channel 1537	Channel 1638	Channel 1738
		2112.4 MHz	2132.6 MHz	2152.6 MHz

Test Mode	TX / RX	RF Channel		
		Low (L)	Middle (M)	High (H)
WCDMA Band V	TX	Channel 4132	Channel 4182	Channel 4233
		826.4MHz	836.4 MHz	846.6 MHz
	RX	Channel 4357	Channel 4407	Channel 4458
		871.4 MHz	881.4 MHz	891.6 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band 2	1.4MHz	TX	Channel 18607	Channel 18900	Channel 19193
			1850.7 MHz	1880 MHz	1909.3 MHz
		RX	Channel 607	Channel 900	Channel 1193
			1930.7 MHz	1960 MHz	1989.3 MHz
	3MHz	TX	Channel 18615	Channel 18900	Channel 19185
			1851.5 MHz	1880 MHz	1908.5 MHz
		RX	Channel 615	Channel 900	Channel 1185
			1931.5 MHz	1960 MHz	1988.5 MHz
	5MHz	TX	Channel 18625	Channel 18900	Channel 19175
			1852.5 MHz	1880 MHz	1907.5 MHz
		RX	Channel 625	Channel 900	Channel1175
			1932.5 MHz	1960 MHz	1987.5 MHz
	10MHz	TX	Channel 18650	Channel 18900	Channel 19150
			1855 MHz	1880 MHz	1905 MHz
		RX	Channel 650	Channel 900	Channel 1150
			1935 MHz	1960 MHz	1985 MHz
	15MHz	TX	Channel 18675	Channel 18900	Channel 19125
			1857.5 MHz	1880 MHz	1902.5 MHz
		RX	Channel 675	Channel 900	Channel 1125
			1937.5 MHz	1960 MHz	1982.5 MHz
	20MHz	TX	Channel 18700	Channel 18900	Channel 19100
			1860 MHz	1880 MHz	1900 MHz
		RX	Channel 700	Channel 900	Channel 1100
			1940 MHz	1960 MHz	1980 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band 4	1.4MHz	TX	Channel 19957	Channel 20175	Channel 20393
			1710.7 MHz	1732.5 MHz	1754.3 MHz
		RX	Channel 1975	Channel 2175	Channel 2375
			2112.5 MHz	2132.5MHz	2152.5 MHz
	3MHz	TX	Channel 19965	Channel 20175	Channel 20385
			1711.5 MHz	1732.5 MHz	1753.5 MHz
		RX	Channel 2000	Channel 2175	Channel 2350
			2115 MHz	2132.5MHz	2150 MHz
	5MHz	TX	Channel 19975	Channel 20175	Channel 20375
			1712.5 MHz	1732.5 MHz	1752.5 MHz
		RX	Channel 1975	Channel 2175	Channel 2375
			2112.5 MHz	2132.5MHz	2152.5 MHz
	10MHz	TX	Channel 20000	Channel 20175	Channel 20350
			1715 MHz	1732.5 MHz	1750 MHz
		RX	Channel 2000	Channel 2175	Channel 2350
			2115 MHz	2132.5MHz	2150 MHz
	15MHz	TX	Channel 20025	Channel 20175	Channel 20325
			1717.5 MHz	1732.5 MHz	1747.5 MHz
		RX	Channel 2025	Channel 2175	Channel 2325
			2117.5 MHz	2132.5MHz	2147.5 MHz
	20MHz	TX	Channel 20050	Channel 20175	Channel 20300
			1720 MHz	1732.5 MHz	1745 MHz
		RX	Channel 2050	Channel 2175	Channel 2300
			2120 MHz	2132.5MHz	2145 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band 5	1.4MHz	TX	Channel 20407	Channel 20525	Channel 20643
			824.7 MHz	836.5 MHz	848.3 MHz
		RX	Channel 2407	Channel 2525	Channel 2643
			869.7 MHz	881.5 MHz	893.3 MHz
	3MHz	TX	Channel 20415	Channel 20525	Channel 20635
			825.5 MHz	836.5 MHz	847.5 MHz
		RX	Channel 2415	Channel 2525	Channel 2635
			870.5 MHz	881.5 MHz	892.5 MHz
	5MHz	TX	Channel 20425	Channel 20525	Channel 20625
			826.5 MHz	836.5 MHz	846.5 MHz
		RX	Channel 2425	Channel 2525	Channel 2625
			871.5 MHz	881.5 MHz	891.5 MHz
	10MHz	TX	Channel 20450	Channel 20525	Channel 20600
			829 MHz	836.5 MHz	844 MHz
		RX	Channel 2450	Channel 2525	Channel 2600
			874 MHz	881.5 MHz	889 MHz

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Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band 7	5MHz	TX	Channel 20775	Channel 21100	Channel 21425
			2502.5 MHz	2535 MHz	2567.5 MHz
		RX	Channel 2775	Channel 3100	Channel 5825
			2622.5 MHz	2655 MHz	2687.5 MHz
	10MHz	TX	Channel 20800	Channel 21100	Channel 21400
			2505 MHz	2535 MHz	2565 MHz
		RX	Channel 2800	Channel 3100	Channel 3400
			2625 MHz	2655 MHz	2685 MHz
	15MHz	TX	Channel 20825	Channel 21100	Channel 21375
			2507.5 MHz	2535 MHz	2562.5 MHz
		RX	Channel 2825	Channel 3100	Channel 3375
			2627.5 MHz	2655 MHz	2682.5 MHz
	20MHz	TX	Channel 20850	Channel 21100	Channel 21350
			2510 MHz	2535 MHz	2560 MHz
		RX	Channel 2850	Channel 3100	Channel 3350
			2630 MHz	2655 MHz	2680 MHz

Test Mode	Bandwidth	TX / RX	RF Channel		
			Low (L)	Middle (M)	High (H)
LTE Band66	1.4MHz	TX	Channel 131979	Channel 132322	Channel 132665
			1710.7 MHz	1745 MHz	1779.3 MHz
		RX	Channel 66443	Channel 66786	Channel 67329
			2110.7 MHz	2145MHz	2199.3 MHz
	3MHz	TX	Channel 131987	Channel 132322	Channel 132657
			1711.5 MHz	1745 MHz	1778.5MHz
		RX	Channel 66451	Channel 66786	Channel 67321
			2111.5 MHz	2145MHz	2198.5MHz
	5MHz	TX	Channel 131997	Channel 132322	Channel 132647
			1712.5 MHz	1745 MHz	1777.5 MHz
		RX	Channel 66461	Channel 66786	Channel 67311
			2112.5 MHz	2145MHz	2197.5 MHz
	10MHz	TX	Channel 132022	Channel 132322	Channel 132622
			1715 MHz	1745 MHz	1775 MHz
		RX	Channel 66486	Channel 66786	Channel 67286
			2115 MHz	2145MHz	2195 MHz
	15MHz	TX	Channel 132047	Channel 132322	Channel 132597
			1717.5 MHz	1745 MHz	1772.5 MHz
		RX	Channel 66511	Channel 66786	Channel 67261
			2117.5 MHz	2145MHz	2192.5 MHz
	20MHz	TX	Channel 132072	Channel 132322	Channel 132572
			1720 MHz	1745 MHz	1770 MHz
		RX	Channel 66536	Channel 66786	Channel 67236
			2120 MHz	2145MHz	2190 MHz

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4 Description of Tests

4.1 Conducted Output Power

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 5.2.1

The transmitter output was connected to a calibrated coaxial cable, attenuator and power meter, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The power output at the transmitter antenna port was determined by adding the value of the cable insertion loss to the power reading. The tests were performed at three frequencies (low channel, middle channel and high channel) and on the highest power levels, which can be setup on the transmitters.

Remark: Reference test setup 1

4.2 Effective (Isotropic) Radiated Power of Transmitter

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 5.8.4

Calculate power in dBm by the following formula:

ERP (dBm) = Conducted Power (dBm) + antenna gain (dBd)

EIRP(dBm) = Conducted Power (dBm) + antenna gain (dBi)

EIRP=ERP+2.15dB

4.2.1 Test Result

4.2.1.1 Test result for GSM

Band	Channel	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
GSM850	128	31.81	31.24	38.45	PASS
GSM850	190	31.53	30.96	38.45	PASS
GSM850	251	31.55	30.98	38.45	PASS
Band	Channel	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
GSM1900	512	29.33	32.65	33.00	PASS
GSM1900	661	29.66	32.98	33.00	PASS
GSM1900	810	29.79	33.11	33.00	PASS

Band	Channel	Slot	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
EGPRS850	128	1	26.85	26.28	38.45	PASS
EGPRS850	128	2	27.67	27.10	38.45	PASS
EGPRS850	128	3	26.12	25.55	38.45	PASS
EGPRS850	128	4	24.11	23.54	38.45	PASS
EGPRS850	190	1	27.58	27.01	38.45	PASS
EGPRS850	190	2	27.42	26.85	38.45	PASS
EGPRS850	190	3	25.52	24.95	38.45	PASS
EGPRS850	190	4	23.45	22.88	38.45	PASS
EGPRS850	251	1	27.24	26.67	38.45	PASS
EGPRS850	251	2	27.12	26.55	38.45	PASS
EGPRS850	251	3	26.39	25.82	38.45	PASS
EGPRS850	251	4	24.31	23.74	38.45	PASS
Band	Channel	Slot	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	26.00	29.32	33.00	PASS
EGPRS1900	512	2	25.8	29.12	33.00	PASS
EGPRS1900	512	3	24.25	27.57	33.00	PASS
EGPRS1900	512	4	22.24	25.56	33.00	PASS
EGPRS1900	661	1	25.41	28.73	33.00	PASS
EGPRS1900	661	2	26.25	29.57	33.00	PASS
EGPRS1900	661	3	24.56	27.88	33.00	PASS
EGPRS1900	661	4	22.43	25.75	33.00	PASS
EGPRS1900	810	1	26.11	29.43	33.00	PASS
EGPRS1900	810	2	25.96	29.28	33.00	PASS
EGPRS1900	810	3	24.53	27.85	33.00	PASS
EGPRS1900	810	4	22.07	25.39	33.00	PASS

4.2.1.2 Test result for WCDMA

Band	Channel	Power(dBm)	EIRP	Limit(dBm)	Verdict
Band2	9262	22.58	25.90	33	PASS
Band2	9400	22.90	26.22	33	PASS
Band2	9538	23.87	27.19	33	PASS
Band	Channel	Power(dBm)	EIRP	Limit(dBm)	Verdict
Band4	1312	22.09	25.41	30	PASS
Band4	1413	22.40	25.72	30	PASS
Band4	1513	22.14	25.46	30	PASS
Band	Channel	Power(dBm)	ERP	Limit(dBm)	Verdict
Band5	4132	22.82	22.25	38.5	PASS
Band5	4182	23.02	22.45	38.5	PASS
Band5	4233	22.56	21.99	38.5	PASS

4.2.1.3 Test result for LTE Band2

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	23.07	26.39	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.93	26.25	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.09	26.41	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.97	25.29	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.33	26.65	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.13	26.45	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.21	26.53	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.17	25.49	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.64	26.96	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.44	26.76	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.48	26.80	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.45	25.77	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.34	25.66	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.12	25.44	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.38	25.70	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.11	24.43	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.54	25.86	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.41	25.73	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.44	25.76	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.26	24.58	33	PASS

Band2	1.4MHz	16QAM	19193	1RB#0	22.91	26.23	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.64	25.96	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.78	26.10	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.60	24.92	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.90	26.22	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.06	26.38	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.07	26.39	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.96	25.28	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.30	26.62	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.15	26.47	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.01	26.33	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.17	25.49	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.70	27.02	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.57	26.89	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.39	26.71	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.59	25.91	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.12	25.44	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.29	25.61	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.31	25.63	33	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.07	24.39	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.58	25.9	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.44	25.76	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.28	25.60	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.18	24.50	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.93	26.25	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.73	26.05	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.54	25.86	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.70	25.02	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.88	26.20	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.08	26.40	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.39	26.71	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.05	25.37	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.33	26.65	33	PASS

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Band2	5MHz	QPSK	18900	1RB#12	23.14	26.46	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.90	26.22	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.14	25.46	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.89	27.21	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.74	27.06	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.37	26.69	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.74	26.06	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.08	25.40	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.25	25.57	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.65	25.97	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.15	24.47	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.60	25.92	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.40	25.72	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.08	25.40	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.15	24.47	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	23.17	26.49	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.99	26.31	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.58	25.90	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.76	25.08	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.78	26.10	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.40	26.72	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.85	27.17	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.35	25.67	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.61	26.93	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.17	26.49	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.74	26.06	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.08	25.40	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.78	27.10	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.65	26.97	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.39	26.71	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.94	26.26	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.9	25.22	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.62	25.94	33	PASS

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Band2	10MHz	16QAM	18650	1RB#49	23.28	26.60	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.39	24.71	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.79	26.11	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.52	25.84	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.97	25.29	33	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.12	24.44	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	23.40	26.72	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	23.24	26.56	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.64	25.96	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	22.00	25.32	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.93	26.25	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.45	26.77	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.52	26.84	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.89	26.21	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.41	26.73	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.21	26.53	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.88	26.20	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.27	25.59	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.77	27.09	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.65	26.97	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.54	26.86	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	23.17	26.49	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.16	25.48	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	23.2	26.52	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	23.67	26.99	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.93	25.25	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	23.20	26.52	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.47	25.79	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.18	25.50	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.30	24.62	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	23.10	26.42	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	23.51	26.83	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.77	26.09	33	PASS

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Band2	15MHz	16QAM	19125	75RB#0	22.22	25.54	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.86	26.18	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.54	26.86	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.14	26.46	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	23.12	26.44	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.66	26.98	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.27	26.59	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.77	26.09	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.29	25.61	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.91	26.23	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.58	26.90	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.54	26.86	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	23.20	26.52	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.10	25.42	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	23.43	26.75	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	23.66	26.98	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	22.09	25.41	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	23.47	26.79	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.51	25.83	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.02	25.34	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.31	24.63	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.01	25.33	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	23.77	27.09	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.75	26.07	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	22.13	25.45	33	PASS

4.2.1.4 Test result for LTE Band4

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.21	26.53	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.03	26.35	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.21	26.53	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.82	25.14	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.98	26.30	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.88	26.20	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.02	26.34	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.79	25.11	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.31	26.63	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.16	26.48	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.31	26.63	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.14	25.46	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.16	25.48	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.04	25.36	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.17	25.49	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.77	24.09	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.16	25.48	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.99	25.31	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.18	25.50	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.93	24.25	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.50	25.82	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.32	25.64	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.45	25.77	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.13	24.45	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.00	26.32	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.12	26.44	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.19	26.51	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.89	25.21	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.72	26.04	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.85	26.17	30	PASS

Band4	3MHz	QPSK	20175	1RB#14	22.87	26.19	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.81	25.13	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.21	26.53	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.20	26.52	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.11	26.43	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.16	25.48	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.95	25.27	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.23	25.55	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.3	25.62	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.79	24.11	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.99	25.31	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.99	25.31	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.07	25.39	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.78	24.1	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.29	25.61	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.32	25.64	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.34	25.66	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.09	24.41	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.00	26.32	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.16	26.48	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.36	26.68	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.93	25.25	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.78	26.10	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.88	26.20	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.87	26.19	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.70	25.02	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.25	26.57	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.28	26.60	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.12	26.44	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.16	25.48	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.94	25.26	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.18	25.50	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.38	25.70	30	PASS

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Band4	5MHz	16QAM	19975	25RB#0	20.83	24.15	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.95	25.27	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.03	25.35	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.03	25.35	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.75	24.07	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.46	25.78	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.37	25.69	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.39	25.71	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.06	24.38	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.94	26.26	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.20	26.52	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.31	26.63	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.90	25.22	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.79	26.11	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.76	26.08	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.67	25.99	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.46	24.78	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.78	26.10	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.18	26.50	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.02	26.34	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.99	25.31	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.85	25.17	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.34	25.66	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.35	25.67	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.84	24.16	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.09	25.41	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.85	25.17	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.81	25.13	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.51	23.83	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.91	25.23	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.43	25.75	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.09	25.41	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.93	24.25	30	PASS

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Band4	15MHz	QPSK	20025	1RB#0	22.90	26.22	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.41	26.73	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.29	26.61	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.17	25.49	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.10	26.42	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.81	26.13	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.84	26.16	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.66	24.98	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.72	26.04	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.16	26.48	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.15	26.47	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.98	25.3	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.94	25.26	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.40	25.72	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.50	25.82	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.06	24.38	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.16	25.48	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.03	25.35	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.00	25.32	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.71	24.03	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.88	25.20	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.29	25.61	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.28	25.60	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.96	24.28	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.49	26.81	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.39	26.71	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.83	26.15	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.17	25.49	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.19	26.51	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.83	26.15	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.82	26.14	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.56	24.88	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.71	26.03	30	PASS

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Band4	20MHz	QPSK	20300	1RB#49	23.03	26.35	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.10	26.42	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.77	25.09	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.93	25.25	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.60	25.92	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.96	25.28	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.06	24.38	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.29	25.61	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.97	25.29	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.02	25.34	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.61	23.93	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.80	25.12	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.15	25.47	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.31	25.63	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.75	24.07	30	PASS

4.2.1.5 Test result for LTE Band5

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.42	22.85	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.18	22.61	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.25	22.68	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.19	21.62	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.94	23.37	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.90	23.33	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.93	23.36	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.93	22.36	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.33	22.76	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.21	22.64	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.42	22.85	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.24	21.67	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.66	22.09	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.42	21.85	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.39	21.82	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.37	20.8	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.15	22.58	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.19	22.62	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.24	22.67	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.11	21.54	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.67	22.1	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.51	21.94	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.63	22.06	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.31	20.74	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.18	22.61	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.03	22.46	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.91	22.34	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.06	21.49	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.79	23.22	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.86	23.29	38.45	PASS

Band5	3MHz	QPSK	20525	1RB#14	23.73	23.16	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.86	22.29	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.12	22.55	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.17	22.6	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.17	22.6	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.17	21.6	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.51	21.94	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.33	21.76	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.24	21.67	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.17	20.6	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.15	22.58	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.05	22.48	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.96	22.39	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.99	21.42	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.47	21.9	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.4	21.83	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.4	21.83	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.17	20.6	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.18	22.61	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.02	22.45	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.01	22.44	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.99	21.42	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.68	23.11	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.92	23.35	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.7	23.13	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.85	22.28	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.21	22.64	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.22	22.65	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.24	22.67	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.16	21.59	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.43	21.86	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.19	21.62	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.33	21.76	38.45	PASS

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Band5	5MHz	16QAM	20425	25RB#0	21.09	20.52	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.91	22.34	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.11	22.54	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.91	22.34	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.94	21.37	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.41	21.84	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.37	21.8	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.35	21.78	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.25	20.68	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.91	22.34	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.97	22.4	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.29	22.72	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.91	21.34	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.12	22.55	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.69	23.12	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.21	22.64	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.51	21.94	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.39	22.82	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.13	22.56	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.88	22.31	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.92	21.35	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.17	21.6	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.19	21.62	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.47	21.9	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.02	20.45	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.39	21.82	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.97	22.4	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.33	21.76	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.52	20.95	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.54	21.97	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.29	21.72	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.09	21.52	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.06	20.49	38.45	PASS

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4.2.1.6 Test result for LTE Band7

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.26	25.03	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.51	24.28	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.38	24.15	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.67	23.44	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.59	25.36	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.31	25.08	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.98	24.75	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.37	24.14	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.88	24.65	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.67	24.44	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.05	23.82	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.64	23.41	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.95	23.72	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.05	23.82	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.61	23.38	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.73	22.5	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.56	24.33	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.19	23.96	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.08	23.85	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.49	23.26	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	22	23.77	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.72	23.49	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.27	23.04	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.81	22.58	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.3	23.07	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.37	24.14	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.32	24.09	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.33	23.1	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.83	25.6	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.33	25.1	33	PASS

Band7	10MHz	QPSK	21100	1RB#49	22.73	24.5	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.24	24.01	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.61	25.38	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.05	24.82	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.99	23.76	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.07	23.84	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.79	23.56	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.54	23.31	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.45	23.22	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.46	22.23	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	23.15	24.92	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.5	24.27	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.95	23.72	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.41	23.18	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.88	24.65	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.32	24.09	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.35	23.12	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.2	22.97	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.46	24.23	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.38	24.15	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.17	24.94	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.44	23.21	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	24	25.77	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.24	25.01	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.64	24.41	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.29	24.06	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.83	25.6	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.48	25.25	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.11	23.88	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.36	24.13	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.78	23.55	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.58	23.35	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.36	24.13	33	PASS

Band7	15MHz	16QAM	20825	75RB#0	20.64	22.41	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	23.33	25.1	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.45	24.22	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.87	23.64	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.44	23.21	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.96	24.73	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.71	24.48	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.38	23.15	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.51	23.28	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.6	24.37	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.38	24.15	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	24.11	25.88	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.58	23.35	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	24.11	25.88	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.18	24.95	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.57	24.34	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.18	23.95	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.12	24.89	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.6	25.37	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.99	23.76	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.24	24.01	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.73	23.5	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.68	23.45	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	23.38	25.15	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.66	22.43	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	23.44	25.21	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.43	24.2	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.88	23.65	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.37	23.14	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.34	24.11	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.9	24.67	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.26	23.03	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.37	23.14	33	PASS

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4.2.1.7 Test result for LTE Band66

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	23.69	26.94	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.53	26.78	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.74	26.99	30	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.41	25.66	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.72	26.97	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.6	26.85	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.73	26.98	30	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.54	25.79	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	22.89	26.14	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	22.82	26.07	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	22.97	26.22	30	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	21.65	24.9	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.66	25.91	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.61	25.86	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.68	25.93	30	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.31	24.56	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.91	26.16	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.7	25.95	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.84	26.09	30	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.67	24.92	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	21.8	25.05	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	21.86	25.11	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.02	25.27	30	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	20.65	23.9	30	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.51	26.76	30	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.63	26.88	30	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.65	26.9	30	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.45	25.7	30	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.53	26.78	30	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.59	26.84	30	PASS

Band66	3MHz	QPSK	132322	1RB#14	23.54	26.79	30	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.48	25.73	30	PASS
Band66	3MHz	QPSK	132657	1RB#0	22.59	25.84	30	PASS
Band66	3MHz	QPSK	132657	1RB#8	22.76	26.01	30	PASS
Band66	3MHz	QPSK	132657	1RB#14	22.76	26.01	30	PASS
Band66	3MHz	QPSK	132657	15RB#0	21.57	24.82	30	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.49	25.74	30	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.69	25.94	30	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.8	26.05	30	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.42	24.67	30	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.82	26.07	30	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.79	26.04	30	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.81	26.06	30	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.53	24.78	30	PASS
Band66	3MHz	16QAM	132657	1RB#0	21.65	24.9	30	PASS
Band66	3MHz	16QAM	132657	1RB#8	21.85	25.1	30	PASS
Band66	3MHz	16QAM	132657	1RB#14	21.73	24.98	30	PASS
Band66	3MHz	16QAM	132657	15RB#0	20.51	23.76	30	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.48	26.73	30	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.64	26.89	30	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.87	27.12	30	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.47	25.72	30	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.5	26.75	30	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.58	26.83	30	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.49	26.74	30	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.47	25.72	30	PASS
Band66	5MHz	QPSK	132647	1RB#0	22.25	25.5	30	PASS
Band66	5MHz	QPSK	132647	1RB#12	22.63	25.88	30	PASS
Band66	5MHz	QPSK	132647	1RB#24	22.77	26.02	30	PASS
Band66	5MHz	QPSK	132647	25RB#0	21.48	24.73	30	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.48	25.73	30	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.72	25.97	30	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.91	26.16	30	PASS

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Band66	5MHz	16QAM	131997	25RB#0	21.38	24.63	30	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.61	25.86	30	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.78	26.03	30	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.58	25.83	30	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.52	24.77	30	PASS
Band66	5MHz	16QAM	132647	1RB#0	21.34	24.59	30	PASS
Band66	5MHz	16QAM	132647	1RB#12	21.62	24.87	30	PASS
Band66	5MHz	16QAM	132647	1RB#24	21.83	25.08	30	PASS
Band66	5MHz	16QAM	132647	25RB#0	20.38	23.63	30	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.36	26.61	30	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.76	27.01	30	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.89	27.14	30	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.55	25.8	30	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.21	26.46	30	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.44	26.69	30	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.43	26.68	30	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.26	25.51	30	PASS
Band66	10MHz	QPSK	132622	1RB#0	21.84	25.09	30	PASS
Band66	10MHz	QPSK	132622	1RB#24	22.08	25.33	30	PASS
Band66	10MHz	QPSK	132622	1RB#49	22.64	25.89	30	PASS
Band66	10MHz	QPSK	132622	50RB#0	20.93	24.18	30	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.28	25.53	30	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.9	26.15	30	PASS
Band66	10MHz	16QAM	132022	1RB#49	23.07	26.32	30	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.46	24.71	30	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.4	25.65	30	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.57	25.82	30	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.44	25.69	30	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.27	24.52	30	PASS
Band66	10MHz	16QAM	132622	1RB#0	21	24.25	30	PASS
Band66	10MHz	16QAM	132622	1RB#24	21.25	24.5	30	PASS
Band66	10MHz	16QAM	132622	1RB#49	21.6	24.85	30	PASS
Band66	10MHz	16QAM	132622	50RB#0	19.89	23.14	30	PASS

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Band66	15MHz	QPSK	132047	1RB#0	23.33	26.58	30	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.97	27.22	30	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.84	27.09	30	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.79	26.04	30	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.35	26.6	30	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.51	26.76	30	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.42	26.67	30	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.38	25.63	30	PASS
Band66	15MHz	QPSK	132597	1RB#0	22.48	25.73	30	PASS
Band66	15MHz	QPSK	132597	1RB#38	21.98	25.23	30	PASS
Band66	15MHz	QPSK	132597	1RB#74	22.64	25.89	30	PASS
Band66	15MHz	QPSK	132597	75RB#0	21	24.25	30	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.31	25.56	30	PASS
Band66	15MHz	16QAM	132047	1RB#38	23.15	26.4	30	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.98	26.23	30	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.75	25	30	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.54	25.79	30	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.71	25.96	30	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.64	25.89	30	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.42	24.67	30	PASS
Band66	15MHz	16QAM	132597	1RB#0	21.7	24.95	30	PASS
Band66	15MHz	16QAM	132597	1RB#38	21.12	24.37	30	PASS
Band66	15MHz	16QAM	132597	1RB#74	21.64	24.89	30	PASS
Band66	15MHz	16QAM	132597	75RB#0	20.06	23.31	30	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.37	26.62	30	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.94	27.19	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.24	26.49	30	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.77	26.02	30	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.18	26.43	30	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.51	26.76	30	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.31	26.56	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.32	25.57	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	22.82	26.07	30	PASS

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Band66	20MHz	QPSK	132572	1RB#99	22.67	25.92	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	20.87	24.12	30	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.34	25.59	30	PASS
Band66	20MHz	16QAM	132072	1RB#49	23.07	26.32	30	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.53	25.78	30	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.76	25.01	30	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.38	25.63	30	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.71	25.96	30	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.53	25.78	30	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.36	24.61	30	PASS
Band66	20MHz	16QAM	132572	1RB#0	21.98	25.23	30	PASS
Band66	20MHz	16QAM	132572	1RB#49	21.18	24.43	30	PASS
Band66	20MHz	16QAM	132572	1RB#99	21.68	24.93	30	PASS
Band66	20MHz	16QAM	132572	100RB#0	20.01	23.26	30	PASS

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4.3 Field Strength of Spurious Radiation

Measurement Procedure: FCC KDB 971168 D01 V03r01 Section 5.8

Below 1GHz test procedure as below:

1). The EUT was powered ON and placed on a 80cm high table in the chamber. The antenna of the transmitter was extended to its maximum length.

2). The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.

3). Steps 1) and 2) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.

4). Test the EUT in the lowest channel, the middle channel ,the Highest channel.

5). The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, Only the test worst case mode is recorded in the report.

6). Repeat above procedures until all frequencies measured was complete.

E (dBμV/m) = Measured amplitude level (dBμV) + (Cable Loss (dB) + Antenna Factor (dB/m) – AMP(dB))

EIRP (dBm) = E (dBμV/m) + 20 log D − 104.8; where D is the measurement distance in meters

Above 1GHz test procedure as below:

1) Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber

2) Calculate power in dBm by the following formula:

E (dBμV/m) = Measured amplitude level (dBμV) + (Cable Loss (dB) + Antenna Factor (dB/m) – AMP(dB))

EIRP (dBm) = E (dBμV/m) + 20 log D − 104.8; where D is the measurement distance in meters

3). Test the EUT in the lowest channel, the middle channel the Highest channel

4). The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, Only the test worst case mode is recorded in the report.

5). Repeat above procedures until all frequencies measured was complete

Remark1: Reference test setup 2

Remark2: The emission below 18G were measured at a 3m test distance, while emissions above 18GHz were measured at a 1m test distance. At a measurement distance of 1 meter the limit line was increased by 20*LOG(3/1) = 9.54 dB.

Remark: Reference test setup 2

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level =Receiver Reading + Factor(Antenna Factor + Cable Factor – Preamplifier Factor)
2) Scan from 9kHz to 40GHz,The disturbance between 9KHz to 30MHz and 18GHz to 40GHz was very low, and the harmonics were the highest point could be found when testing, so only the harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported .
3) All modes have been tested, but only the worst case data displayed in this report.

4.3.1 Test Result

Test Band = GSM 850_ TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1163.4286	58.52	-118.18	-59.66	-13.00	46.66	165	216	Horizontal
2	1648.4000	79.35	-118.11	-38.76	-13.00	25.76	142	154	Horizontal
3	2474.8571	82.95	-114.89	-31.94	-13.00	18.94	230	226	Horizontal
4	3296.8000	60.32	-112.37	-52.05	-13.00	39.05	199	124	Horizontal
5	4121.0000	54.43	-110.19	-55.76	-13.00	42.76	184	24	Horizontal
6	4945.2000	57.88	-108.22	-50.34	-13.00	37.34	172	266	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1648.4000	70.65	-118.11	-47.46	-13.00	34.46	122	114	Vertical
2	2472.6000	65.53	-114.90	-49.37	-13.00	36.37	184	84	Vertical
3	3296.8000	57.81	-112.37	-54.56	-13.00	41.56	196	114	Vertical
4	4121.0000	57.46	-110.19	-52.73	-13.00	39.73	255	327	Vertical
5	4944.5714	58.00	-108.22	-50.22	-13.00	37.22	133	104	Vertical
6	6208.5714	51.24	-105.91	-54.67	-13.00	41.67	170	194	Vertical

Test Band = GSM 850_ TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1663.4286	60.26	-118.09	-57.83	-13.00	44.83	127	54	Horizontal
2	2509.2000	51.95	-114.69	-62.74	-13.00	49.74	188	326	Horizontal
3	3345.6000	53.92	-112.38	-58.46	-13.00	45.46	194	33	Horizontal
4	4182.0000	54.88	-110.14	-55.26	-13.00	42.26	111	24	Horizontal
5	5018.4000	49.16	-108.10	-58.94	-13.00	45.94	245	346	Horizontal
6	6430.2857	51.08	-105.23	-54.15	-13.00	41.15	196	33	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664	59.36	-118.09	-58.73	-13.00	45.73	224	125	Vertical
2	2509.2000	52.27	-114.69	-62.42	-13.00	49.42	197	0	Vertical
3	3345.6000	54.79	-112.38	-57.59	-13.00	44.59	263	347	Vertical
4	4182.0000	57.29	-110.14	-52.85	-13.00	39.85	238	328	Vertical
5	5018.4000	49.59	-108.10	-58.51	-13.00	45.51	194	308	Vertical
6	7276.5714	74.67	-102.27	-27.60	-13.00	14.60	170	347	Vertical

Test Band = GSM 850_ TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1697.6000	52.07	-118.03	-65.96	-13.00	52.96	265	306	Horizontal
2	2546.4000	53.12	-114.45	-61.33	-13.00	48.33	238	359	Horizontal
3	3395.2000	51.94	-112.37	-60.43	-13.00	47.43	194	13	Horizontal
4	4244.0000	56.71	-109.95	-53.24	-13.00	40.24	172	23	Horizontal
5	5092.8000	49.16	-107.74	-58.58	-13.00	45.58	201	183	Horizontal
6	7278.8571	68.11	-102.26	-34.15	-13.00	21.15	168	164	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1697.6000	52.95	-118.03	-65.08	-13.00	52.08	122	43	Vertical
2	2546.4000	50.68	-114.45	-63.77	-13.00	50.77	235	32	Vertical
3	3395.2000	51.56	-112.37	-60.81	-13.00	47.81	148	43	Vertical
4	4244.0000	56.92	-109.95	-53.03	-13.00	40.03	223	328	Vertical
5	5092.8000	49.96	-107.74	-57.78	-13.00	44.78	264	0	Vertical
6	6666.2857	51.93	-103.89	-51.96	-13.00	38.96	271	308	Vertical

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
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Test Band = GSM 1900_ TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3700.4000	53.45	-110.79	-57.34	-13.00	44.34	184	122	Horizontal
2	5550.6000	49.86	-107.45	-57.59	-13.00	44.59	159	23	Horizontal
3	7400.8000	48.60	-102.18	-53.58	-13.00	40.58	165	83	Horizontal
4	9251.0000	45.77	-97.12	-51.35	-13.00	38.35	172	267	Horizontal
5	11101.2000	41.20	-94.13	-52.93	-13.00	39.93	233	73	Horizontal
6	13606.5	42.16	-91.20	-49.04	-13.00	36.04	201	95	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3700.4000	53.57	-110.79	-57.22	-13.00	44.22	196	333	Vertical
2	4806.75	58.23	-108.46	-50.23	-13.00	37.23	188	289	Vertical
3	5550.6000	49.08	-107.45	-58.37	-13.00	45.37	179	164	Vertical
4	7400.8000	48.23	-102.18	-53.95	-13.00	40.95	145	24	Vertical
5	9251.0000	44.92	-97.12	-52.20	-13.00	39.20	212	312	Vertical
6	11101.2000	41.39	-94.13	-52.74	-13.00	39.74	233	198	Vertical

Test Band = GSM 1900_ TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3760.0000	55.32	-110.83	-55.51	-13.00	42.51	123	15	Horizontal
2	5640.0000	49.91	-107.08	-57.17	-13.00	44.17	235	28	Horizontal
3	7520.0000	48.93	-101.93	-53.00	-13.00	40.00	264	253	Horizontal
4	9400.0000	44.33	-96.60	-52.27	-13.00	39.27	295	69	Horizontal
5	11280.0000	41.33	-93.56	-52.23	-13.00	39.23	172	345	Horizontal
6	12881.25	42.50	-92.61	-50.11	-13.00	37.11	211	13	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3760.0000	53.59	-110.83	-57.24	-13.00	44.24	145	299	Vertical
2	4806.75	58.90	-108.46	-49.56	-13.00	36.56	100	288	Vertical
3	5640.0000	48.56	-107.08	-58.52	-13.00	45.52	194	6	Vertical
4	7520.0000	48.00	-101.93	-53.93	-13.00	40.93	172	58	Vertical
5	9400.0000	43.42	-96.60	-53.18	-13.00	40.18	221	104	Vertical
6	11280.0000	42.36	-93.56	-51.20	-13.00	38.20	203	323	Vertical

Test Band = GSM 1900_ TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3819.6000	52.41	-110.87	-58.46	-13.00	45.46	189	2	Horizontal
2	4705.5	51.57	-108.82	-57.25	-13.00	44.25	199	162	Horizontal
3	7639.2000	47.44	-101.80	-54.36	-13.00	41.36	254	208	Horizontal
4	9549.0000	43.53	-96.76	-53.23	-13.00	40.23	236	138	Horizontal
5	11458.8000	41.20	-93.55	-52.35	-13.00	39.35	281	1	Horizontal
6	15149.25	42.61	-90.68	-48.07	-13.00	35.07	201	14	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3819.6000	52.84	-110.87	-58.03	-13.00	45.03	223	312	Vertical
2	4806.75	58.93	-108.46	-49.53	-13.00	36.53	211	278	Vertical
3	7639.2000	47.78	-101.80	-54.02	-13.00	41.02	184	118	Vertical
4	9549.0000	44.53	-96.76	-52.23	-13.00	39.23	165	219	Vertical
5	11458.8000	41.89	-93.55	-51.66	-13.00	38.66	174	105	Vertical
6	14889.75	41.59	-90.55	-48.96	-13.00	35.96	221	105	Vertical

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Test Band = WCDMA Band II_ TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3706.5	67.41	-110.79	-43.38	-13.00	30.38	125	186	Horizontal
2	5560.5	56.16	-107.42	-51.26	-13.00	38.26	230	336	Horizontal
3	7476.75	53.16	-102.01	-48.85	-13.00	35.85	142	36	Horizontal
4	9262.0000	45.44	-97.10	-51.66	-13.00	38.66	165	174	Horizontal
5	11114.4000	41.21	-94.05	-52.84	-13.00	39.84	188	277	Horizontal
6	13910.25	42.71	-90.68	-47.97	-13.00	34.97	211	1	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3707.25	70.80	-110.79	-39.99	-13.00	26.99	225	231	Vertical
2	5554.5	55.54	-107.44	-51.90	-13.00	38.90	142	94	Vertical
3	7409.6000	48.22	-102.16	-53.94	-13.00	40.94	201	24	Vertical
4	9262.0000	45.12	-97.10	-51.98	-13.00	38.98	133	310	Vertical
5	11114.4000	42.01	-94.05	-52.04	-13.00	39.04	256	161	Vertical
6	13889.25	42.88	-90.77	-47.89	-13.00	34.89	291	117	Vertical

Test Band = WCDMA Band II_ TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3762.75	68.89	-110.83	-41.94	-13.00	28.94	142	312	Horizontal
2	5643	54.71	-107.06	-52.35	-13.00	39.35	235	312	Horizontal
3	7473	53.42	-102.02	-48.60	-13.00	35.60	169	48	Horizontal
4	9400.0000	44.56	-96.60	-52.04	-13.00	39.04	195	59	Horizontal
5	11280.0000	43.09	-93.56	-50.47	-13.00	37.47	174	105	Horizontal
6	13699.5	42.84	-91.36	-48.52	-13.00	35.52	211	24	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3762.75	73.08	-110.83	-37.75	-13.00	24.75	201	151	Vertical
2	5640.0000	53.60	-107.08	-53.48	-13.00	40.48	230	83	Vertical
3	7520.0000	48.70	-101.93	-53.23	-13.00	40.23	253	186	Vertical
4	9400.0000	44.05	-96.60	-52.55	-13.00	39.55	265	357	Vertical
5	11280.0000	41.20	-93.56	-52.36	-13.00	39.36	194	0	Vertical
6	13610.25	43.58	-91.21	-47.63	-13.00	34.63	174	198	Vertical

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Test Band = WCDMA Band II_ TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3817.5	67.53	-110.87	-43.34	-13.00	30.34	211	335	Horizontal
2	5725.5	54.05	-106.61	-52.56	-13.00	39.56	142	185	Horizontal
3	7630.0000	48.63	-101.80	-53.17	-13.00	40.17	152	287	Horizontal
4	9538.0000	44.52	-96.82	-52.30	-13.00	39.30	133	59	Horizontal
5	11445.6000	41.04	-93.54	-52.50	-13.00	39.50	236	335	Horizontal
6	14364	42.13	-90.44	-48.31	-13.00	35.31	291	241	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3813	72.92	-110.87	-37.95	-13.00	24.95	211	152	Vertical
2	5722.8000	51.88	-106.62	-54.74	-13.00	41.74	203	278	Vertical
3	7630.0000	48.93	-101.80	-52.87	-13.00	39.87	266	141	Vertical
4	9538.0000	44.47	-96.82	-52.35	-13.00	39.35	291	357	Vertical
5	11445.6000	41.00	-93.54	-52.54	-13.00	39.54	172	232	Vertical
6	15150.75	42.61	-90.67	-48.06	-13.00	35.06	254	105	Vertical

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Test Band = WCDMA Band IV_ TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3427.5	75.54	-112.08	-36.54	-13.00	23.54	215	174	Horizontal
2	5140.5	53.83	-107.64	-53.81	-13.00	40.81	236	208	Horizontal
3	6849.6000	49.36	-103.50	-54.14	-13.00	41.14	251	138	Horizontal
4	8562.0000	46.48	-99.03	-52.55	-13.00	39.55	145	220	Horizontal
5	10274.4000	43.00	-95.62	-52.62	-13.00	39.62	191	104	Horizontal
6	13929	42.03	-90.71	-48.68	-13.00	35.68	201	138	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3426	76.41	-112.08	-35.67	-13.00	22.67	215	289	Vertical
2	5139.75	55.50	-107.64	-52.14	-13.00	39.14	231	26	Vertical
3	6849.6000	48.67	-103.50	-54.83	-13.00	41.83	142	232	Vertical
4	8562.0000	47.16	-99.03	-51.87	-13.00	38.87	201	163	Vertical
5	10274.4000	42.69	-95.62	-52.93	-13.00	39.93	166	300	Vertical
6	13431	42.89	-91.64	-48.75	-13.00	35.75	194	36	Vertical

Test Band = WCDMA Band IV_ TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3467.25	73.43	-112.04	-38.61	-13.00	25.61	184	184	Horizontal
2	5197.8000	50.50	-107.55	-57.05	-13.00	44.05	195	70	Horizontal
3	6930.4000	48.50	-103.19	-54.69	-13.00	41.69	172	173	Horizontal
4	8663.0000	46.58	-98.96	-52.38	-13.00	39.38	214	128	Horizontal
5	10395.6000	42.26	-95.41	-53.15	-13.00	40.15	150	15	Horizontal
6	14507.25	41.65	-90.13	-48.48	-13.00	35.48	133	231	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3466.5	73.71	-112.04	-38.33	-13.00	25.33	125	291	Vertical
2	5197.8000	49.63	-107.55	-57.92	-13.00	44.92	144	357	Vertical
3	6930.4000	49.67	-103.19	-53.52	-13.00	40.52	165	357	Vertical
4	8663.0000	45.58	-98.96	-53.38	-13.00	40.38	198	141	Vertical
5	10395.6000	42.19	-95.41	-53.22	-13.00	40.22	174	83	Vertical
6	14569.5	42.57	-90.45	-47.88	-13.00	34.88	159	256	Vertical

Test Band = WCDMA Band IV_ TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3502.5	77.17	-111.99	-34.82	-13.00	21.82	223	173	Horizontal
2	5257.8000	48.99	-107.49	-58.50	-13.00	45.50	132	198	Horizontal
3	7010.4000	48.39	-102.77	-54.38	-13.00	41.38	163	186	Horizontal
4	8763.0000	46.14	-98.65	-52.51	-13.00	39.51	154	255	Horizontal
5	10515.6000	42.31	-95.03	-52.72	-13.00	39.72	196	36	Horizontal
6	13209.75	42.85	-92.50	-49.65	-13.00	36.65	175	36	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3503.25	77.84	-111.99	-34.15	-13.00	21.15	230	288	Vertical
2	5257.8000	51.07	-107.49	-56.42	-13.00	43.42	125	197	Vertical
3	7010.4000	50.82	-102.77	-51.95	-13.00	38.95	136	356	Vertical
4	8763.0000	45.72	-98.65	-52.93	-13.00	39.93	165	185	Vertical
5	10515.6000	41.72	-95.03	-53.31	-13.00	40.31	148	25	Vertical
6	14451	43.06	-90.04	-46.98	-13.00	33.98	225	345	Vertical

Test Band = WCDMA Band V_ TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1652.8000	53.00	-118.10	-65.10	-13.00	52.10	195	264	Horizontal
2	2479.2000	52.24	-114.86	-62.62	-13.00	49.62	211	360	Horizontal
3	3305.6000	53.52	-112.38	-58.86	-13.00	45.86	148	32	Horizontal
4	4132.0000	55.36	-110.18	-54.82	-13.00	41.82	195	13	Horizontal
5	4958.4000	50.29	-108.21	-57.92	-13.00	44.92	175	194	Horizontal
6	7470.2857	53.80	-102.18	-48.38	-13.00	35.38	130	53	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1652.8000	52.97	-118.10	-65.13	-13.00	52.13	195	125	Vertical
2	2479.2000	51.88	-114.86	-62.98	-13.00	49.98	184	1	Vertical
3	3305.6000	54.93	-112.38	-57.45	-13.00	44.45	175	23	Vertical
4	4132.0000	56.80	-110.18	-53.38	-13.00	40.38	236	337	Vertical
5	4958.4000	50.28	-108.21	-57.93	-13.00	44.93	211	165	Vertical
6	6708	50.77	-103.67	-52.90	-13.00	39.90	166	347	Vertical

Test Band = WCDMA Band V_ TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1672.8000	53.31	-118.07	-64.76	-13.00	51.76	145	236	Horizontal
2	2509.2000	52.27	-114.69	-62.42	-13.00	49.42	213	4	Horizontal
3	3345.6000	52.71	-112.38	-59.67	-13.00	46.67	236	43	Horizontal
4	4182.0000	56.25	-110.14	-53.89	-13.00	40.89	251	24	Horizontal
5	5018.4000	48.86	-108.10	-59.24	-13.00	46.24	194	236	Horizontal
6	6070.8571	51.91	-105.72	-53.81	-13.00	40.81	172	225	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1672.8000	53.01	-118.07	-65.06	-13.00	52.06	133	266	Vertical
2	2509.2000	51.63	-114.69	-63.06	-13.00	50.06	265	43	Vertical
3	3345.6000	54.42	-112.38	-57.96	-13.00	44.96	230	7	Vertical
4	4182.0000	56.40	-110.14	-53.74	-13.00	40.74	165	347	Vertical
5	5018.4000	49.10	-108.10	-59.00	-13.00	46.00	194	124	Vertical
6	7492	51.33	-102.23	-50.90	-13.00	37.90	172	336	Vertical

Test Band = WCDMA Band V_ TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1693.2000	52.29	-118.04	-65.75	-13.00	52.75	198	236	Horizontal
2	2539.8000	52.20	-114.49	-62.29	-13.00	49.29	148	33	Horizontal
3	3386.4000	52.06	-112.37	-60.31	-13.00	47.31	162	307	Horizontal
4	4233.0000	54.13	-109.99	-55.86	-13.00	42.86	142	24	Horizontal
5	5079.6000	49.19	-107.80	-58.61	-13.00	45.61	172	360	Horizontal
6	7476	53.54	-102.20	-48.66	-13.00	35.66	233	43	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1693.2000	54.11	-118.04	-63.93	-13.00	50.93	111	276	Vertical
2	2539.8000	50.92	-114.49	-63.57	-13.00	50.57	241	156	Vertical
3	3386.4000	52.46	-112.37	-59.91	-13.00	46.91	184	297	Vertical
4	4233.0000	56.02	-109.99	-53.97	-13.00	40.97	199	337	Vertical
5	5079.6000	48.86	-107.80	-58.94	-13.00	45.94	231	236	Vertical
6	7479.4286	51.09	-102.20	-51.11	-13.00	38.11	221	1	Vertical

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
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Test Band = LTE Band 2_ TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702	71.61	-110.79	-39.18	-13.00	26.18	112	222	Horizontal
2	5553	65.52	-107.44	-41.92	-13.00	28.92	231	335	Horizontal
3	7404	52.92	-102.17	-49.25	-13.00	36.25	150	267	Horizontal
4	9255.4500	45.73	-97.11	-51.38	-13.00	38.38	254	198	Horizontal
5	11106.5400	40.50	-94.10	-53.60	-13.00	40.60	164	0	Horizontal
6	12957.6300	42.27	-92.71	-50.44	-13.00	37.44	191	232	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702	75.14	-110.79	-35.65	-13.00	22.65	188	254	Vertical
2	5553.2700	63.64	-107.44	-43.80	-13.00	30.80	194	277	Vertical
3	7404.3600	52.40	-102.17	-49.77	-13.00	36.77	172	0	Vertical
4	9255.4500	47.08	-97.11	-50.03	-13.00	37.03	156	162	Vertical
5	11106.5400	41.88	-94.10	-52.22	-13.00	39.22	134	117	Vertical
6	12957.6300	40.53	-92.71	-52.18	-13.00	39.18	125	128	Vertical

Test Band = LTE Band 2_ TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	70.70	-110.82	-40.12	-13.00	27.12	211	186	Horizontal
2	5613.2700	59.20	-107.23	-48.03	-13.00	35.03	230	310	Horizontal
3	7484.3600	51.21	-101.99	-50.78	-13.00	37.78	235	220	Horizontal
4	9355.4500	44.57	-96.81	-52.24	-13.00	39.24	263	310	Horizontal
5	11226.5400	43.21	-93.55	-50.34	-13.00	37.34	145	118	Horizontal
6	13097.6300	40.67	-92.39	-51.72	-13.00	38.72	191	186	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	75.46	-110.82	-35.36	-13.00	22.36	155	156	Vertical
2	5613	58.27	-107.23	-48.96	-13.00	35.96	265	83	Vertical
3	7484.3600	49.89	-101.99	-52.10	-13.00	39.10	269	15	Vertical
4	9355.4500	45.45	-96.81	-51.36	-13.00	38.36	191	32	Vertical
5	11226.5400	42.25	-93.55	-51.30	-13.00	38.30	148	178	Vertical
6	13097.6300	39.66	-92.39	-52.73	-13.00	39.73	172	233	Vertical

Test Band = LTE Band 2_ TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	70.19	-110.84	-40.65	-13.00	27.65	211	312	Horizontal
2	5673	57.73	-106.88	-49.15	-13.00	36.15	235	0	Horizontal
3	7564.3600	52.12	-101.86	-49.74	-13.00	36.74	201	277	Horizontal
4	9455.4500	44.80	-96.84	-52.04	-13.00	39.04	217	277	Horizontal
5	11346.5400	41.66	-93.55	-51.89	-13.00	38.89	184	106	Horizontal
6	13237.6300	40.05	-92.37	-52.32	-13.00	39.32	193	357	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	73.65	-110.84	-37.19	-13.00	24.19	213	0	Vertical
2	5673.2700	54.69	-106.88	-52.19	-13.00	39.19	230	187	Vertical
3	7564.3600	50.80	-101.86	-51.06	-13.00	38.06	265	118	Vertical
4	9455.4500	44.15	-96.84	-52.69	-13.00	39.69	145	50	Vertical
5	11346.5400	41.86	-93.55	-51.69	-13.00	38.69	194	95	Vertical
6	13237.6300	39.53	-92.37	-52.84	-13.00	39.84	170	141	Vertical

Test Band = LTE Band 4_ TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	77.15	-112.09	-34.94	-13.00	21.94	124	185	Horizontal
2	5133	54.65	-107.65	-53.00	-13.00	40.00	163	208	Horizontal
3	6844.3600	51.10	-103.51	-52.41	-13.00	39.41	251	221	Horizontal
4	8555.4500	49.62	-99.06	-49.44	-13.00	36.44	199	129	Horizontal
5	10266.5400	43.62	-95.66	-52.04	-13.00	39.04	174	36	Horizontal
6	11977.6300	40.60	-93.83	-53.23	-13.00	40.23	125	346	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	78.21	-112.09	-33.88	-13.00	20.88	145	290	Vertical
2	5133	56.34	-107.65	-51.31	-13.00	38.31	165	173	Vertical
3	6844.3600	51.63	-103.51	-51.88	-13.00	38.88	222	173	Vertical
4	8555.4500	49.52	-99.06	-49.54	-13.00	36.54	230	162	Vertical
5	10266.5400	42.40	-95.66	-53.26	-13.00	40.26	155	138	Vertical
6	11977.6300	41.25	-93.83	-52.58	-13.00	39.58	172	278	Vertical

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
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Test Band = LTE Band 4_ TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447	75.82	-112.06	-36.24	-13.00	23.24	132	154	Horizontal
2	5170.5	52.89	-107.59	-54.70	-13.00	41.70	162	209	Horizontal
3	6894.3600	49.84	-103.41	-53.57	-13.00	40.57	145	209	Horizontal
4	8617.9500	47.07	-98.88	-51.81	-13.00	38.81	184	198	Horizontal
5	10341.5400	43.14	-95.47	-52.33	-13.00	39.33	196	96	Horizontal
6	12065.1300	40.82	-93.68	-52.86	-13.00	39.86	172	302	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447	76.66	-112.06	-35.40	-13.00	22.40	184	289	Vertical
2	5170.5	57.69	-107.59	-49.90	-13.00	36.90	168	196	Vertical
3	6894.3600	49.67	-103.41	-53.74	-13.00	40.74	174	208	Vertical
4	8617.9500	46.54	-98.88	-52.34	-13.00	39.34	231	173	Vertical
5	10341.5400	45.05	-95.47	-50.42	-13.00	37.42	226	186	Vertical
6	12065.1300	40.29	-93.68	-53.39	-13.00	40.39	199	219	Vertical

Test Band = LTE Band 4_ TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	78.79	-112.03	-33.24	-13.00	20.24	196	184	Horizontal
2	5208	52.75	-107.54	-54.79	-13.00	41.79	145	195	Horizontal
3	6944.3600	48.73	-103.10	-54.37	-13.00	41.37	176	218	Horizontal
4	8680.4500	45.87	-99.00	-53.13	-13.00	40.13	231	138	Horizontal
5	10416.5400	41.26	-95.36	-54.10	-13.00	41.10	166	356	Horizontal
6	12152.6300	41.31	-93.59	-52.28	-13.00	39.28	215	0	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	78.70	-112.03	-33.33	-13.00	20.33	155	287	Vertical
2	5208.2700	57.31	-107.54	-50.23	-13.00	37.23	162	197	Vertical
3	6944.3600	49.23	-103.10	-53.87	-13.00	40.87	148	356	Vertical
4	8680.4500	47.96	-99.00	-51.04	-13.00	38.04	194	150	Vertical
5	10416.5400	41.53	-95.36	-53.83	-13.00	40.83	172	60	Vertical
6	12152.6300	41.73	-93.59	-51.86	-13.00	38.86	231	70	Vertical

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Test Band = LTE Band 5_ TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1429	70.99	-118.11	-47.12	-13.00	34.12	215	154	Horizontal
2	2473.7700	53.06	-114.89	-61.83	-13.00	48.83	142	224	Horizontal
3	3298.3600	56.91	-112.38	-55.47	-13.00	42.47	133	23	Horizontal
4	4122.9500	54.50	-110.19	-55.69	-13.00	42.69	162	360	Horizontal
5	4947.5400	51.10	-108.22	-57.12	-13.00	44.12	158	360	Horizontal
6	5772.1300	49.11	-106.25	-57.14	-13.00	44.14	194	83	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1429	67.78	-118.11	-50.33	-13.00	37.33	145	168	Vertical
2	2473.7700	52.89	-114.89	-62.00	-13.00	49.00	168	356	Vertical
3	3298.3600	55.66	-112.38	-56.72	-13.00	43.72	172	16	Vertical
4	4122.9500	55.27	-110.19	-54.92	-13.00	41.92	230	1	Vertical
5	4947.5400	51.15	-108.22	-57.07	-13.00	44.07	132	307	Vertical
6	5772.1300	49.67	-106.25	-56.58	-13.00	43.58	155	3	Vertical

Test Band = LTE Band 5_ TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	70.11	-118.09	-47.98	-13.00	34.98	189	155	Horizontal
2	2496.2700	62.61	-114.78	-52.17	-13.00	39.17	175	327	Horizontal
3	3328.3600	52.19	-112.38	-60.19	-13.00	47.19	146	357	Horizontal
4	4160.4500	54.41	-110.16	-55.75	-13.00	42.75	192	23	Horizontal
5	4992.5400	51.96	-108.19	-56.23	-13.00	43.23	142	360	Horizontal
6	5824.6300	49.27	-106.20	-56.93	-13.00	43.93	231	32	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	70.70	-118.09	-47.39	-13.00	34.39	148	277	Vertical
2	2496.2700	69.35	-114.78	-45.43	-13.00	32.43	125	58	Vertical
3	3328.3600	53.90	-112.38	-58.48	-13.00	45.48	164	1	Vertical
4	4160.4500	55.47	-110.16	-54.69	-13.00	41.69	195	233	Vertical
5	5000	56.34	-108.19	-51.85	-13.00	38.85	172	327	Vertical
6	5824.6300	49.50	-106.20	-56.70	-13.00	43.70	211	168	Vertical

Test Band = LTE Band 5_ TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	70.15	-118.06	-47.91	-13.00	34.91	174	155	Horizontal
2	2518.7700	56.55	-114.63	-58.08	-13.00	45.08	154	206	Horizontal
3	3358.3600	52.44	-112.38	-59.94	-13.00	46.94	235	358	Horizontal
4	4197.9500	55.36	-110.12	-54.76	-13.00	41.76	164	23	Horizontal
5	5037.5400	49.73	-108.01	-58.28	-13.00	45.28	191	346	Horizontal
6	5887.1300	49.03	-106.27	-57.24	-13.00	44.24	172	63	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	70.16	-118.06	-47.90	-13.00	34.90	145	247	Vertical
2	2518.7700	53.69	-114.63	-60.94	-13.00	47.94	194	146	Vertical
3	3358.3600	53.30	-112.38	-59.08	-13.00	46.08	172	16	Vertical
4	4197.9500	55.72	-110.12	-54.40	-13.00	41.40	255	1	Vertical
5	5037.5400	49.75	-108.01	-58.26	-13.00	45.26	188	64	Vertical
6	5887.1300	50.15	-106.27	-56.12	-13.00	43.12	134	4	Vertical

Test Band = LTE Band 7_ TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.1800	60.70	-108.01	-47.31	-25.00	22.31	228	93	Horizontal
2	7503.2700	49.14	-101.95	-52.81	-25.00	27.81	146	93	Horizontal
3	10004.3600	43.66	-96.00	-52.34	-25.00	27.34	194	116	Horizontal
4	12505.4500	42.45	-93.07	-50.62	-25.00	25.62	172	185	Horizontal
5	15006.5400	40.19	-90.70	-50.51	-25.00	25.51	235	149	Horizontal
6	17507.6300	38.97	-90.99	-52.02	-25.00	27.02	221	93	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.1800	63.09	-108.01	-44.92	-25.00	19.92	298	184	Vertical
2	7503.2700	49.58	-101.95	-52.37	-25.00	27.37	178	150	Vertical
3	10004.3600	46.03	-96.00	-49.97	-25.00	24.97	194	173	Vertical
4	12505.4500	42.26	-93.07	-50.81	-25.00	25.81	151	254	Vertical
5	15006.5400	38.55	-90.70	-52.15	-25.00	27.15	164	0	Vertical
6	17507.6300	40.22	-90.99	-50.77	-25.00	25.77	173	150	Vertical

Test Band = LTE Band 7_ TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052	59.22	-107.85	-48.63	-25.00	23.63	223	208	Horizontal
2	7578	53.82	-101.84	-48.02	-25.00	23.02	215	276	Horizontal
3	10104.3600	45.37	-95.74	-50.37	-25.00	25.37	164	184	Horizontal
4	12630.4500	42.00	-93.26	-51.26	-25.00	26.26	123	221	Horizontal
5	15156.5400	39.37	-90.62	-51.25	-25.00	26.25	169	184	Horizontal
6	17682.6300	40.86	-89.09	-48.23	-25.00	23.23	194	26	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.1800	59.74	-107.85	-48.11	-25.00	23.11	220	176	Vertical
2	7578.2700	50.22	-101.83	-51.61	-25.00	26.61	302	209	Vertical
3	10104.3600	45.72	-95.74	-50.02	-25.00	25.02	158	209	Vertical
4	12630.4500	40.82	-93.26	-52.44	-25.00	27.44	159	164	Vertical
5	15156.5400	38.60	-90.62	-52.02	-25.00	27.02	163	198	Vertical
6	17682.6300	42.76	-89.09	-46.33	-25.00	21.33	188	279	Vertical

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Test Band = LTE Band 7_ TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.1800	60.28	-107.69	-47.41	-25.00	22.41	194	151	Horizontal
2	7653.2700	55.44	-101.80	-46.36	-25.00	21.36	182	207	Horizontal
3	10204.3600	43.67	-95.93	-52.26	-25.00	27.26	193	310	Horizontal
4	12755.4500	40.24	-92.47	-52.23	-25.00	27.23	147	219	Horizontal
5	15306.5400	39.26	-90.80	-51.54	-25.00	26.54	285	172	Horizontal
6	17857.6300	40.91	-88.58	-47.67	-25.00	22.67	164	323	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.1800	61.44	-107.69	-46.25	-25.00	21.25	246	234	Vertical
2	7653.2700	53.68	-101.80	-48.12	-25.00	23.12	258	187	Vertical
3	10204.3600	46.85	-95.93	-49.08	-25.00	24.08	146	164	Vertical
4	12755.4500	40.49	-92.47	-51.98	-25.00	26.98	165	313	Vertical
5	15306.5400	39.34	-90.80	-51.46	-25.00	26.46	175	140	Vertical
6	17857.6300	41.39	-88.58	-47.19	-25.00	22.19	190	0	Vertical

Test Band = LTE Band 66_ TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.25	75.83	-112.09	-36.26	-13.00	23.26	120	164	Horizontal
2	5133	56.87	-107.65	-50.78	-13.00	37.78	230	16	Horizontal
3	6808.3600	48.07	-103.57	-55.50	-13.00	42.50	164	324	Horizontal
4	8510.4500	46.71	-99.29	-52.58	-13.00	39.58	222	26	Horizontal
5	10212.5400	42.01	-95.89	-53.88	-13.00	40.88	199	346	Horizontal
6	11914.6300	40.52	-93.56	-53.04	-13.00	40.04	175	187	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.25	77.66	-112.09	-34.43	-13.00	21.43	233	268	Vertical
2	5133	58.59	-107.65	-49.06	-13.00	36.06	146	198	Vertical
3	6808.3600	49.22	-103.57	-54.35	-13.00	41.35	194	291	Vertical
4	8510.4500	45.82	-99.29	-53.47	-13.00	40.47	172	164	Vertical
5	10212.5400	42.77	-95.89	-53.12	-13.00	40.12	125	209	Vertical
6	11914.6300	40.23	-93.56	-53.33	-13.00	40.33	140	26	Vertical

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Test Band = LTE Band 66_ TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3492	83.17	-112.01	-28.84	-13.00	15.84	221	187	Horizontal
2	5238	54.57	-107.51	-52.94	-13.00	39.94	235	208	Horizontal
3	6908.3600	47.72	-103.34	-55.62	-13.00	42.62	164	232	Horizontal
4	8635.4500	45.72	-98.91	-53.19	-13.00	40.19	194	302	Horizontal
5	10362.5400	43.20	-95.45	-52.25	-13.00	39.25	172	95	Horizontal
6	12089.6300	41.95	-93.59	-51.64	-13.00	38.64	105	324	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3492	83.53	-112.01	-28.48	-13.00	15.48	213	290	Vertical
2	5238	59.01	-107.51	-48.50	-13.00	35.50	203	198	Vertical
3	6908.3600	48.00	-103.34	-55.34	-13.00	42.34	163	346	Vertical
4	8635.4500	47.41	-98.91	-51.50	-13.00	38.50	145	220	Vertical
5	10362.5400	42.58	-95.45	-52.87	-13.00	39.87	191	83	Vertical
6	12089.6300	41.71	-93.59	-51.88	-13.00	38.88	170	346	Vertical

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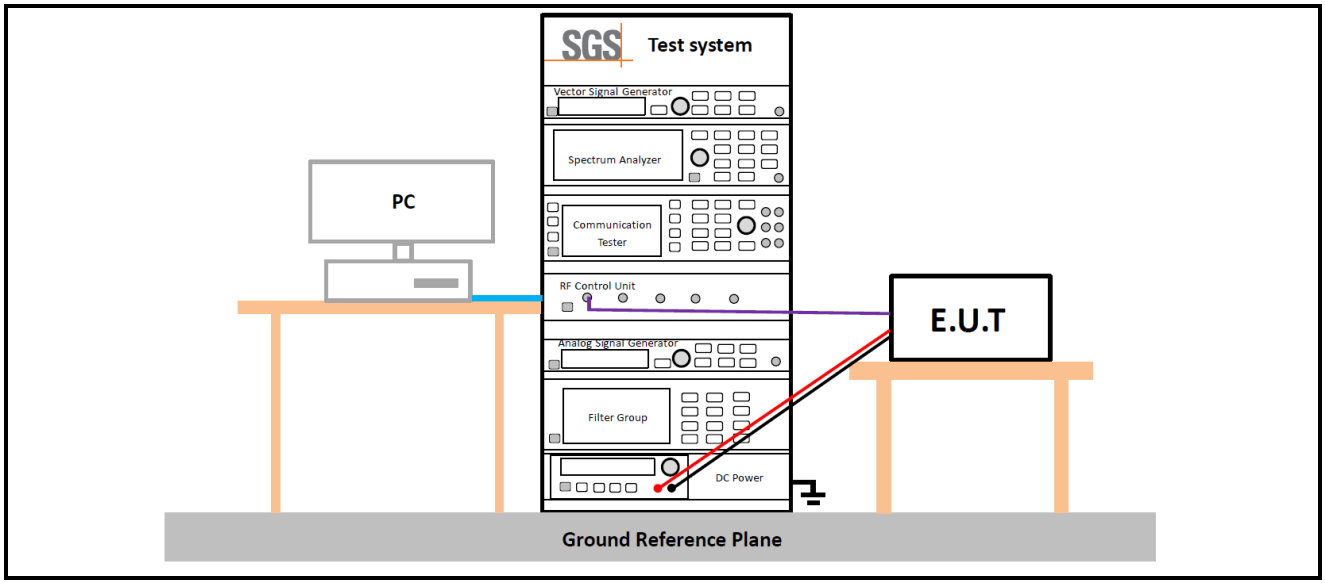
Test Band = LTE Band 66_ TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3522	77.36	-111.95	-34.59	-13.00	21.59	100	186	Horizontal
2	5256.2700	49.44	-107.50	-58.06	-13.00	45.06	175	300	Horizontal
3	7008.3600	47.96	-102.77	-54.81	-13.00	41.81	123	142	Horizontal
4	8760.4500	46.03	-98.67	-52.64	-13.00	39.64	213	2	Horizontal
5	10512.5400	42.45	-95.05	-52.60	-13.00	39.60	207	60	Horizontal
6	12262.6300	42.73	-93.59	-50.86	-13.00	37.86	266	139	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3522	78.97	-111.95	-32.98	-13.00	19.98	122	265	Vertical
2	5256.2700	49.37	-107.50	-58.13	-13.00	45.13	144	128	Vertical
3	7008.3600	49.07	-102.77	-53.70	-13.00	40.70	250	25	Vertical
4	8760.4500	46.30	-98.67	-52.37	-13.00	39.37	169	333	Vertical
5	10512.5400	41.78	-95.05	-53.27	-13.00	40.27	194	94	Vertical
6	12262.6300	40.95	-93.59	-52.64	-13.00	39.64	230	322	Vertical

4.4 Test Setups

4.4.1 Test Setup 1



4.4.2 Test Setup 2

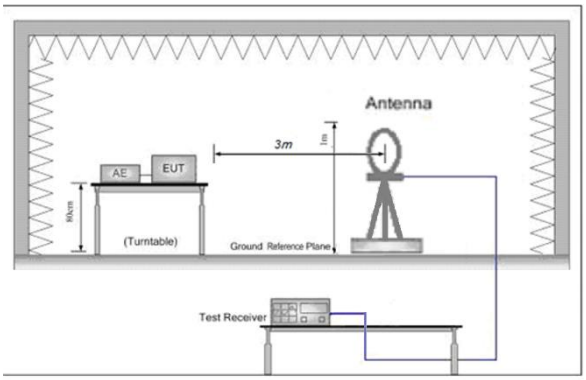


Figure 1. Below 30MHz

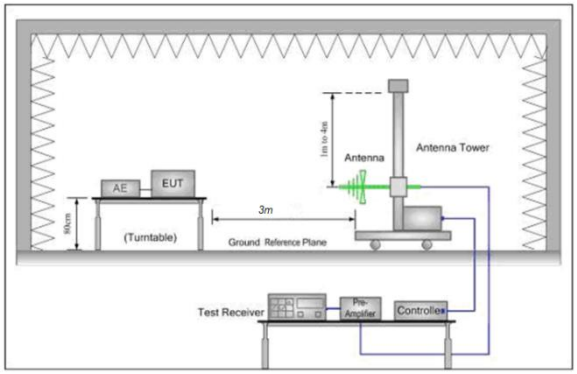


Figure 2. 30MHz to 1GHz

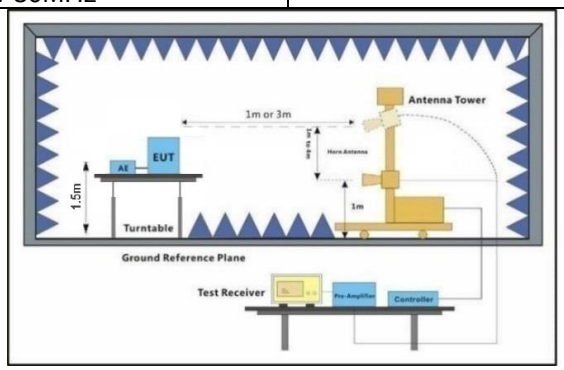


Figure 3. above 1GHz

4.5 Test Conditions

Transmit Output Power Data - Average Power, Total	
Test Case	**Test Conditions**
Test Environment	Ambient Climate & Rated Voltage
Test Setup	Test Setup 1
RF Channels (TX)	L, M, H (L= low channel, M= middle channel, H= high channel)
Test Mode	GSM/TM1;GSM/TM2;UMTS/TM1; LTE/TM1;LTE/TM2;

Field Strength of Spurious Radiation	
Test Case	**Test Conditions**
Test Environment	Ambient Climate & Rated Voltage
Test Setup	Test Setup 2
RF Channels (TX)	L, M, H (L= low channel, M= middle channel, H= high channel)
Test Mode	GSM/TM1; UMTS/TM1; LTE/TM1; Remark: If applicable, the EUT conf. that has maximum power density (based on the equivalent power level) is selected.

5 Main Test Instruments

RF conducted test					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal.Due date (yyyy/mm/dd)
Shielding Room	Brilliant-emc	N/A	SUWI-04-01-06	2021/05/08	2024/05/07
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-07	2022/02/16	2023/02/15
Signal Analyzer	ROHDE&SCHWARZ	FSV3030	SUWI-01-02-02	2022/05/17	2023/05/16
Measurement Software	Tonscend	JS1120-3 Test System V 2.6.88.0336	SUWI-02-09-09	NCR	NCR
Radio Communication Analyzer	Anritsu	MT8821C	SUWI-01-26-03	2021/12/04	2022/12/03
Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-05	2022/02/14	2023/02/13
Power meter	Anritsu	ML2495A	SUWI-01-31-01	2021/12/04	2022/12/03
Pulse power sensor	Anritsu	MA2411B	SUWI-01-32-01	2021/12/04	2022/12/03
DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	2022/02/15	2023/02/14
Temperature Chamber	ESPEC	SU-242	SUWI-01-13-01	2022/02/15	2023/02/14
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2022/05/28	2023/05/27

RSE Test System					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date (yyyy-mm-dd)**	**Cal Due Date (yyyy-mm-dd)**
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	2021/05/08	2024/05/07
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2022/02/16	2023/02/15
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2022/05/28	2023/05/27
Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-05	2021/12/04	2022/12/03
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2022/02/19	2023/02/18
DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	2022/02/15	2023/02/14
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9163	SUWI-01-11-01	2021/05/16	2023/05/15
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	2021/05/16	2023/05/15
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9170	SUWI-01-11-03	2021/05/14	2023/05/13
Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	2022/02/14	2023/02/13
Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	2022/02/14	2023/02/13
Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	2022/02/19	2023/02/18
Active Loop Antenna	SCHWRZBECK MESS-ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	2021/06/10	2023/06/09
Wideband Radio Communication Tester	Anritsu	MT8820C	SUWI-01-16-08	2022/02/14	2023/02/13
Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	2021/12/04	2022/12/03
Measurement Software	Tonscend	JS32-RSE V4.0.0.1	SUWI-02-09-06	NCR	NCR

6 Measurement Uncertainty

For a 95% confidence level (k = 2), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	±0.54dB
2	Radiated Emission	± 3.13dB (9k -30MHz)
		± 4.80dB (30M -1GHz)
		± 4.80dB (1GHz to 18GHz)
		± 4.80dB (Above 18GHz)
Remark: The U_{lab} (lab Uncertainty) is less than $U_{cispr/ETSI}$ (CISPR/ETSI Uncertainty), so the test results – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.		

7 Appendixes

Appendix A.3	WWAN Setup Photos

---End of Report---

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