Radio Test Report

Report No.:STS2512459W04

Issued for

SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD

A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA SHENZHEN, China

Product Name:	Smart Phone
Brand Name:	OUKITEL
Model Name:	C8
Series Model(s):	C8 S, C8 Pro, C8 Ultra, C8 E, C8 Plus, C8 MAX
FCC ID:	2ANMU-C8
Test Standards:	47 CFR Part 2, 22H, 24E, 27, 90

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

TEST REPORT

Applicant's Name .....:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address.....:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA SHENZHEN, China
Manufacturer's Name.....:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address.....:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA SHENZHEN, China

Product Description

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Brand Name.....:	OUKITEL
Model Name.....:	C8
Series Model(s) .....:	C8 S, C8 Pro, C8 Ultra, C8 E, C8 Plus, C8 MAX
Test Standards.....:	47 CFR Part 2, 22H, 24E, 27, 90
Test Procedure.....:	KDB 971168 D01 v03r01,ANSI C63.26(2015)

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.
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Date of Test..... :

Date of receipt of test item..... :	10 Oct. 2025
Date (s) of performance of tests :	10 Oct. 2025 to 27 Feb. 2026
Date of Issue ..... :	27 Feb. 2026
Test Result ..... :	Pass

Testing Engineer : Aaron Bu

(Aaron Bu)

Technical Manager : Skylar. Li

(Skylar Li)

Authorized Signatory : Bovey Yang

(Bovey Yang)

SHENZHEN STS TEST SERVICES CO., LTD. TESTING APPROVAL

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Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	27 Feb. 2026	STS2512459W04	ALL	Initial Issue

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Tel: +86-755 3688 6288 Fax: +86-755 3688 6277 Http://www.stsapp.com E-mail:sts@stsapp.com

1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

The radiated emission testing was performed according to the procedures of KDB 971168 D01 v03r01 and ANSI C63.26(2015)

Test Description	FCC Rules	Band	Test Limit	Test Result
Conducted Output Power	2.1046	/	Reporting Only	PASS
Transmitter Radiated Power	22.913	GSM850, WCDMAB5, B5	ERP < 7 Watt	PASS
	24.232(c)	GSM1900, WCDMAB2, B2	EIRP < 2Watt	
	27.50(c)	WCDMAB4, B12, B17	ERP < 3 Watt	
	27.50(d)	B4, B66	EIRP < 1Watt	
	27.50(h)	B7	EIRP < 2Watt	
Peak-to-Average Ratio	22.913(d)	GSM850, WCDMAB5, B5	< 13 dB	PASS
	24.232(d)	GSM1900, WCDMAB2, B2		
	27.50	WCDMAB4, B4, B7, B12, B17, B66		
Occupied Bandwidth	2.1049	/	Reporting Only	PASS
Frequency Stability	2.1055	/	< 2.5 ppm	PASS
	22.355	GSM850, WCDMAB5, B5		
	24.235	GSM1900, WCDMAB2, B2		
	27.54	WCDMAB4, B4, B7, B12, B17,		

		B66		
Spurious Emission at Antenna Terminals	2.1051	/	< 43+10log10(P[Watts])	PASS
	22.917	GSM850, WCDMAB5, B5		
	24.238(a)	GSM1900, WCDMAB2, B2		
	27.53(g)	B12, B17		
	27.53(h)	WCDMAB4, B4, B66		
	27.53(m)	B7	< 55+10log10(P[Watts])	
Band Edge	2.1051	/	Please refer to standard	PASS
	22.917	GSM850, WCDMAB5, B5		
	24.238(a)	GSM1900, WCDMAB2, B2		
	27.53(g)	B12, B17		
	27.53(h)	WCDMAB4, B4, B66		
	27.53(m)	B7		
Field Strength of Spurious Radiation	2.1053	/	< 43+10log10(P[Watts])	PASS
	22.917	GSM850, WCDMAB5, B5		
	24.238(a)	GSM1900, WCDMAB2, B2		
	27.53(g)	B12, B17		
	27.53(h)	WCDMAB4, B4, B66		

	27.53(m)	B7	< 55+10log10(P[Watts])	

Remark:
ACCORDING TO THE FOLLOWING CHANGES MENTIONED IN THE ORIGINAL TEST REPORT (STS2512459W01), THERE WERE NO INTERNAL CHANGES TO THE PRODUCT. ONLY THE APPEARANCE OF THE PRODUCT DIFFERED. THE RF TEST DATA REFERS TO FCC ID: 2ANMU-C7.

* INDICATES THAT THE PROJECT HAS UNDERGONE UPDATED TESTING.

1.1 INTRODUCTION

TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements ofANSI C63.4-2014. All measurement uncertainty values are shown with a coverage factor of k = 2 toindicate a 95% level of confidence. The measurement data shown herein meets or exceeds the UCISPRmeasurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly tospecified limits to determine compliance.

No.	Item	Uncertainty
1	RF output power, conducted	±0.751dB
2	Unwanted Emissions, conducted	±2.888dB
3	All emissions, radiated 9K-30MHz	±2.48dB
4	All emissions, radiated 30M-1GHz	±2.52dB
5	All emissions, radiated 1G-18GHz	±3.48dB
6	All emissions, radiated>18GHz	±4.18dB
7	Conducted Emission (9KHz-150KHz)	±2.48dB
8	Conducted Emission (150KHz-30MHz)	±2.52dB
9	Occupied Channel Bandwidth	±3.6%
10	Power Spectral Density, conducted	±1.214dB
11	Duty Cycle	±3.2%

2 PRODUCT INFORMATION

Product Name	Smart Phone
Brand Name	OUKITEL
Model Name	C8
Series Model(s)	C8 S, C8 Pro, C8 Ultra, C8 E, C8 Plus, C8 MAX
Model Difference	All models are identical except for the model name, the test model is C8.
Tx Frequency:	GSM/GPRS/EGPRS 850: TX: 824~849MHz; GSM/GPRS/EGPRS 1900: TX:1850~1910MHz; WCDMA Band II: TX: 1852.40~1907.60MHz; WCDMA Band IV: TX: 1712.40~1752.60MHz; WCDMA Band V: TX: 826.40~846.60MHz; LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500MHz-2570MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 17: 704MHz ~ 716MHz LTE Band 66: 1710MHz ~ 1780MHz
Rx Frequency:	GSM/GPRS/EGPRS 850: RX: 869~894MHz; GSM/GPRS/EGPRS 1900: RX:1930~1990MHz; WCDMA Band II: Rx: 1932.60~1987.40MHz; WCDMA Band IV: RX: 2112.60 – 2452.40MHz WCDMA Band V: RX: 871.40~ 891.60MHz; LTE Band 2: 1930 MHz ~ 1990 MHz LTE Band 4: 2110 MHz ~ 2155 MHz LTE Band 5: 869 MHz ~ 894 MHz LTE Band 7: 2620MHz ~ 2690MHz LTE Band 12: 729 MHz ~ 746 MHz LTE Band 17: 734MHz ~ 746MHz LTE Band 66: 2110MHz ~ 2200MHz
Max RF Output Power:	GSM/GPRS/EGPRS 850: 33.80 dBm, GSM/GPRS/EGPRS 1900: 30.63 dBm WCDMA Band II: 22.54 dBm WCDMA Band IV: 22.19 dBm WCDMA Band V: 22.95 dBm LTE Band 2: 24.09 dBm LTE Band 4: 24.39 dBm LTE Band 5: 20.56 dBm LTE Band 7: 24.17 dBm LTE Band 12: 20.15 dBm LTE Band 17: 20.04 dBm LTE Band 66: 24.27 dBm
Modulation Characteristics:	GMSK for GSM/GPRS; GMSK and 8PSK for EDGE WCDMA: QPSK; HSDPA:QPSK/16QAM; HSUPA:BPSK LTE: QPSK /16QAM
SIM Card:	SIM 1
Antenna:	Internal antenna
Antenna gain:	GSM850: 1.01 dBi GSM1900: 0.57 dBi WCDMA Band II: 0.57 dBi

	WCDMA Band V: 1.01 dBi LTE Band 2: -0.1 dBi LTE Band 4: 0.48 dBi LTE Band 5: -1.75 dBi LTE Band 7: -0.18 dBi LTE Band 12: -1.74 dBi LTE Band 17: -1.74 dBi LTE Band 66: 0.48 dBi
GPRS/EDGE Class:	Multi-Class12
Extreme Vol. Limits:	DC 3.483V~4.257V
Extreme Temp. Tolerance:	-20℃~60℃
Power Rating	DC 5V from adapter/DC 3.87V from battery
Adapter	Model: TPA-418G050200UU01 Input: 100-240V~50/60Hz 0.3A Output: DC 5.0V 2.0A 10.0W
Battery	DC 3.87V
Hardware version number:	SC6306LH_MB_V2.0.1
Software version number:	OUKITEL_C7_EEA_V02_20250911
*** Note: The High Voltage 4.257V and Low Voltage 3.483V was declared by manufacturer, The EUT couldn't be operate normally with higher or lower voltage, the antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report.*	

Test channel list					
GSM850	Frequency(MHz)	Channel	GSM1900	Frequency(MHz)	Channel
L	824.2	128	L	1850.2	512
M	836.6	190	M	1880	661
H	848.8	251	H	1909.8	810

Test channel list					
Band2	Frequency(MHz)	Channel	Band4	Frequency(MHz)	Channel
L	1852.4	9262	L	1712.6	1313
M	1880	9400	M	1740	1450
H	1907.6	9538	H	1752.4	1512
Band5	Frequency(MHz)	Channel	/	/	/
L	826.4	4132	/	/	/
M	836.6	4183	/	/	/
H	846.6	4233	/	/	/

Test channel list

Band2	1.9GHz	Frequency(MHz)	Channel	Band4	1.7GHz	Frequency (MHz)	Channel
L	1.4M	1850.7	18607	L	1.4M	1710.7	19957
	3M	1851.5	18615		3M	1711.5	19965
	5M	1852.5	18625		5M	1712.5	19975
	10M	1855	18650		10M	1715	20000
	15M	1857.5	18675		15M	1717.5	20025
	20M	1860	18700		20M	1720	20050
M	1.4/3/5/10/15/20M	1880	18900	M	1.4/3/5/10/15/20M	1732.5	20175
H	1.4M	1909.3	19193	H	1.4M	1754.3	20393
	3M	1908.5	19185		3M	1753.5	20385
	5M	1907.5	19175		5M	1752.5	20375
	10M	1905	19150		10M	1750	20350
	15M	1902.5	19125		15M	1747.5	20325
	20M	1900	19100		20M	1745	20300
Band5	850MHz	Frequency(MHz)	Channel	Band7	2.6GHz	Frequency (MHz)	Channel
L	1.4M	824.7	20407	L	5M	2502.5	20775
	3M	825.5	20415		10M	2505	20800
	5M	826.5	20425		15M	2507.5	20825
	10M	829	20450		20M	2510	20850
M	1.4/3/5/10M	836.5	20525	M	5/1015/20M	2535	21100
H	1.4M	848.3	20643	H	5M	2567.5	21425
	3M	847.5	20635		10M	2565	21400
	5M	846.5	20625		15M	2562.5	21375
	10M	844	20600		20M	2560	21350
Band12	700MHz	Frequency(MHz)	Channel	Band17	700MHz	Frequency (MHz)	Channel
L	1.4M	699.7	23017	L	5M	706.5	23755
	3M	700.5	23025		10M	709	23780
	5M	701.5	23035	M	5/10M	710	23790
	10M	704	23060	H	5M	713.5	23825
M	1.4/3/5/10M	707.5	23095		10M	711	23800
H	1.4M	715.3	23173	Band66	1.7GHz	Frequency (MHz)	Channel
	3M	714.5	23165	L	1.4M	1710.7	131979
	5M	713.5	23155		3M	1711.5	131987
	10M	711	23130		5M	1712.5	131997
					10M	1715	132022
					15M	1717.5	132047
					20M	1720	132072
				M	1.4/3/5/10/15/20M	1745	132322
				H	1.4M	1779.3	132665
					3M	1778.5	132657
					5M	1777.5	132647
					10M	1775	132622
					15M	1772.5	132597
					20M	1770	132572

EMISSION DESIGNATOR

Mode	Emission Designator (99%OBW)
GSM 850	249KGXW
GSM 1900	250KGXW
GPRS 850	243KGXW
GPRS 1900	250KGXW
EGPRS 850	256KGXW
EGPRS 1900	245KGXW

Mode	Emission Designator (99%OBW)
WCDMA Band2	4M15F9W
WCDMA Band4	4M17F9W
WCDMA Band5	4M17F9W

LTE Band 2	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
1.4	1M10G7D	0.244	1M11W7D	0.207
3	2M71G7D	0.240	2M71W7D	0.176
5	4M52G7D	0.242	4M52W7D	0.163
10	8M99G7D	0.249	9M00W7D	0.189
15	13M5G7D	0.243	13M5W7D	0.191
20	18M1G7D	0.256	18M0W7D	0.165

LTE Band 4	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
1.4	1M11G7D	0.275	1M11W7D	0.221
3	2M73G7D	0.275	2M72W7D	0.203
5	4M53G7D	0.258	4M55W7D	0.171
10	9M02G7D	0.262	9M05W7D	0.195
15	13M5G7D	0.264	13M5W7D	0.195
20	18M0G7D	0.266	18M1W7D	0.171

LTE Band 5	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
1.4	1M11G7D	0.114	1M10W7D	0.099
3	2M72G7D	0.110	2M71W7D	0.090
5	4M52G7D	0.112	4M53W7D	0.081
10	9M01G7D	0.112	9M01W7D	0.087

LTE Band 7	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	4M52G7D	0.243	4M52W7D	0.167
10	9M00G7D	0.255	9M01W7D	0.204
15	13M5G7D	0.247	13M5W7D	0.205
20	18M0G7D	0.261	18M0W7D	0.177

LTE Band 12	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
1.4	1M15G7D	0.104	1M12W7D	0.083
3	2M75G7D	0.101	2M73W7D	0.074
5	4M57G7D	0.102	4M55W7D	0.065
10	9M10G7D	0.101	9M10W7D	0.073

LTE Band 17	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)
5	4M74G7D	0.101	4M61W7D	0.065
10	9M08G7D	0.100	9M05W7D	0.073

LTE Band 66	QPSK		16QAM	
BW(MHz)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
1.4	1M10G7D	0.261	1M10W7D	0.224
3	2M72G7D	0.254	2M72W7D	0.201
5	4M51G7D	0.257	4M56W7D	0.172
10	9M00G7D	0.258	9M00W7D	0.202
15	13M5G7D	0.258	13M5W7D	0.195
20	18M0G7D	0.267	18M0W7D	0.171

3 TEST CONFIGURATION OF EQUIPMENT UNDER TEST

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 and ANSI C63.26 2015 Power Meas. License Digital Systems with maximum output power.

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

Radiated emissions were investigated as following frequency range:

1. 30 MHz to 10th harmonic for GSM850 and WCDMA Band V.

2. 30 MHz to 10th harmonic for WCDMA Band IV.

3. 30 MHz to 10th harmonic for GSM1900 and WCDMA Band II.

All modes and data rates and positions were investigated.

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

	TEST MODES	
BAND	RADIATED TCS	CONDUCTED TCS
GSM 850	GSM LINK GPRS/EDGE CLASS 12 LINK	GSM LINK GPRS/EDGE CLASS 12 LINK
GSM 1900	GSM LINK GPRS/EDGE CLASS 12 LINK	GSM LINK GPRS/EDGE CLASS 12 LINK
WCDMA BAND V	RMC 12.2KBPS LINK	RMC 12.2KBPS LINK
WCDMA BAND II	RMC 12.2KBPS LINK	RMC 12.2KBPS LINK
WCDMA BAND IV	RMC 12.2KBPS LINK	RMC 12.2KBPS LINK

LTE:

Test Items	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Max. Output Power	2	V	V	V	V	V	V	V	V	V	V	V	V	V	V
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	2	V	V	V	V	V	V	V	V	V	V	V	V	V	V
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	7			v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	17			v	v			v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	2	V	V	V	V	V	V	V	V	V	V	V	V	V	V
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	7			v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Conducted Band Edge	2	V	V	V	V	V	V	V	V	V	V	V	V	-	V
	4	v	v	v	v	v	v	v	v	v	v	v	v	-	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	-	v
	7			v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	17			v	v			v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	-	v
Conducted Spurious Emission	2	V	V	V	V	V	V	V	V	V	-	-	V	V	V
	4	v	v	v	v	v	v	v	v	v	-	-	v	v	v
	5	v	v	v	v	-	-	v	v	v	-	-	v	v	v
	7			v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v
	17			v	v			v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	-	-	v	v	v

Frequency Stability	2	v	-	-	-	-	-	v	v	v	-	-	v	v	v
	4	**v**	**-**	**-**	**-**	**-**	**-**	**v**	**v**	**v**	**-**	**-**	**v**	**v**	**v**
	5	**v**	**-**	**-**	**-**	**-**	**-**	**v**	**v**	**v**	**-**	**-**	**v**	**v**	**v**
	7	**v**						**v**	**v**	**v**	**-**	**-**	**v**	**v**	**v**
	12	**v**	**-**	**-**	**-**	**-**	**-**	**v**	**v**	**v**	**-**	**-**	**v**	**v**	**v**
	17	**v**						**v**	**v**	**v**	**-**	**-**	**v**	**v**	**v**
	66	**v**	**-**	**-**	**-**	**-**	**-**	**v**	**v**	**v**	**-**	**-**	**v**	**v**	**v**
E.R.P./ E.I.R.P.	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**
	5	**v**	**v**	**v**	**v**	**-**	**-**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**
	7			**v**	**v**			**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**
	12	**v**	**v**	**v**	**v**	**-**	**-**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**
	17	**-**	**-**	**v**	**v**	**-**	**-**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**
	66	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**	**v**
Radiated Spurious Emission	2	v	-	-	-	-	-	v	v	v	-	-	v	v	v
	4	**v**	**-**	**-**	**-**	**-**	**-**	**v**	**v**	**v**	**-**	**-**	**v**	**v**	**v**
	5	**v**	**-**	**-**	**-**	**-**	**-**	**v**	**v**	**v**	**-**	**-**	**v**	**v**	**v**
	7	**v**						**v**	**v**	**v**			**v**	**v**	**v**
	12	**v**	**-**	**-**	**-**	**-**	**-**	**v**	**v**	**v**	**-**	**-**	**v**	**v**	**v**
	17	**v**						**v**	**v**	**v**			**v**	**v**	**v**
	66	**v**	**-**	**-**	**-**	**-**	**-**	**v**	**v**	**v**	**-**	**-**	**v**	**v**	**v**
Note	1.The mark “v “ means that this configuration is chosen for testing 2.The mark “-“ means that this bandwidth is not supported.														

4 MEASUREMENT INSTRUMENTS

RF Radiation Test Equipment					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
Temperature & Humidity	SW-108	SuWei	N/A	2025.02.24	2026.02.23
Wireless Communications Test Set	R&S	CMW 500	117239	2025.09.26	2026.09.25
Pre-Amplifier(0.1M-3GHz)	EM	EM330	060665	2025.02.22	2026.02.21
Pre-Amplifier (1G-18GHz)	SKET	LNPA-01018G-45	SK2018080901	2025.09.25	2026.09.24
Pre-Amplifier(18G-40GHz)	SKET	LNPA_1840-50	SK2018101801	2025.02.22	2026.02.21
Positioning Controller	MF	MF-7802	MF-780208587	N/A	N/A
Signal Analyzer	R&S	FSV 40-N	101823	2025.09.26	2026.09.25
Switch Control Box	N/A	N/A	N/A	N/A	N/A
Filter Box	BALUN Technology	SU319E	BL-SZ1530051	N/A	N/A
Video Controller	SKET	FCS C-3	N/A	N/A	N/A
Bilog Antenna	TESEQ	CBL6111D	34678	2025.09.27	2027.09.26
Horn Antenna	SCHWARZBECK	BBHA 9120D	02014	2025.09.27	2027.09.26
Horn Antenna	A-INFOMW	LB-180400-KF	J211020657	2025.09.27	2027.09.26
Antenna Mast	MF	MFA-440H	N/A	N/A	N/A
Turn Table	MF	N/A	N/A	N/A	N/A
AC Power Source	APC	KDF-11010G	F214050035	N/A	N/A
DC Power Supply	Zhaoxin	RXN 605D	20R605D11010081	2025.09.22	2026.09.21
Test SW	EMC Test Software	25.5 en			
	EZ-EMC	Ver.STSLAB-03A1 RE			
RF Connected Test Equipment					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
Temperature & Humidity	SW-108	SuWei	N/A	2025.02.24	2026.02.23
Wireless Communications Test Set	R&S	CMW 500	131428	2025.02.22	2026.02.21
Signal Analyzer	Agilent	N9020A	MY52440124	2025.02.22	2026.02.21
RF Automatic Test System	Maiwei	MW200-SFCB	N/A	N/A	N/A
Temperature & Humidity Test Chamber	Safety test	AG80L	171200018	2025.02.22	2026.02.21
Programmable Power Supply	Agilent	E3642A	MY40002025	2025.09.26	2026.09.25
POWER DIVIDER	eastsheep	PD-0.5/0.6-2S	N/A	2025.02.25	2026.02.24
Test SW	MTS 8200	2.0.0.0			

5 TEST ITEMS

5.1 CONDUCTED OUTPUT POWER&TRANSMITTER RADIATED POWER

TEST OVERVIEW

CONDUCTED OUTPUT POWER:
A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.
TRANSMITTER RADIATED POWER (EIRP/ERP)
Determining ERP and/or EIRP from conducted RF output power measurements according to ANSI C63.26 2015 Section 5.2.5.5.
In many cases, RF output power limits are specified in terms of the ERP or the EIRP. Typically, ERP is specified when the operating frequency is less than or equal to 1 GHz and EIRP is specified when the operating frequency is greater than 1 GHz. Both are defined as the product of the power supplied to the antenna and its gain (relative to a dipole antenna in the case of ERP, and relative to an isotropic antenna in the case of EIRP); however, when working in decibels (i.e., logarithmic scale), the ERP and EIRP represent the sum of the transmit antenna gain (in dBd or dBi, respectively) and the conducted RF output power (expressed in dB relative to watts or milliwatts).
The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation (1) as follows:
(1) ERP or EIRP = PMeas + GT
ERP= EIRP-2.15
where
ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as PMeas, e.g., dBm or dBW)
PMeas measured transmitter output power or PSD, in dBm or dBW
GT gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)
For devices utilizing multiple antennas, see 6.4 for guidance with respect to determining the effective array transmit antenna gain term to be used in the above equation.
The following equations demonstrate the mathematical relationship between ERP and EIRP:
a) ERP = EIRP − 2.15, where ERP and EIRP are expressed in consistent units.
b) EIRP = ERP + 2.15, where ERP and EIRP are expressed in consistent units.

TEST PROCEDURES

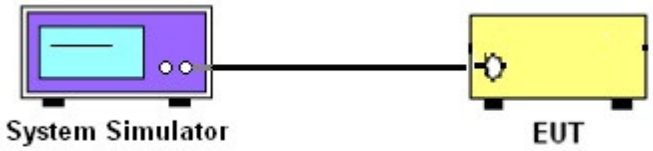
1. The transmitter output port was connected to the system simulator.

2. Set eut at maximum power through the system simulator.

3. Select lowest, middle, and highest channels for each band and different modulation.

4. Measure and record the power level from the system simulator.

TEST SETUP



TEST RESULT

Note: The test data please reference to attachment “STS2512459W04_Appendix GSM” , “STS2512459W04_Appendix WCDMA” and “STS2512459W04_Appendix LTE”.

5.2 PEAK TO AVERAGE RATIO

TEST OVERVIEW

According to §24.232(d), power measurements for transmissions by stations authorized under this section may be made either in accordance with a commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 db.

TEST PROCEDURES

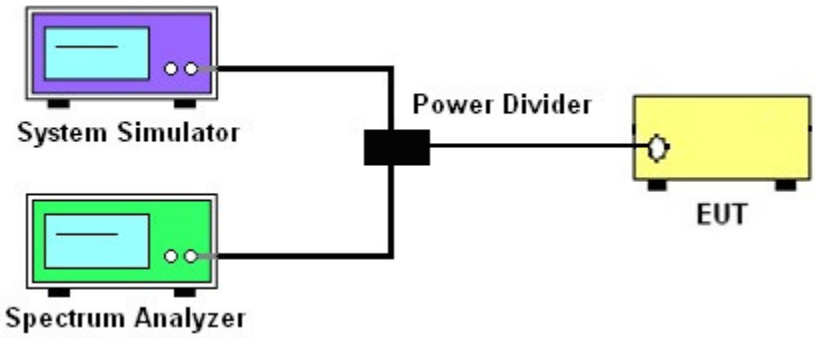
1. The testing follows FCC KDB 971168 v03r01 section.

2. The eut was connected to the peak and av system simulator& spectrum analyzer.

3. Select lowest, middle, and highest channels for each band and different modulation.

4. Set the test probe and measure average power of the spectrum analysis,

TEST SETUP



TEST RESULT

Note: The test data please reference to attachment “STS2512459W04_Appendix GSM” , “STS2512459W04_Appendix WCDMA” and “STS2512459W04_Appendix LTE”.

5.3 OCCUPIED BANDWIDTH

TEST OVERVIEW

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured.

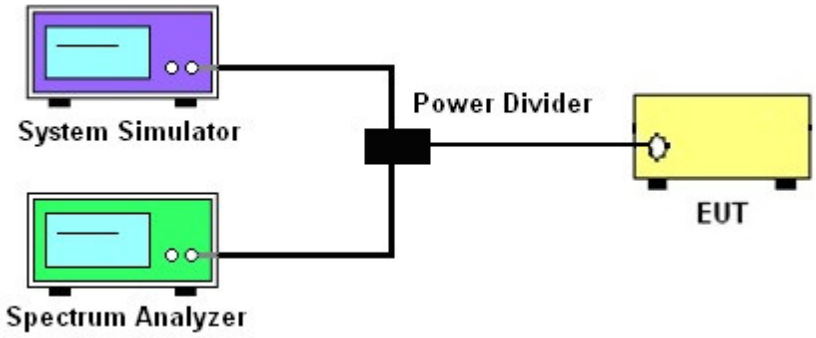
The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

All modes of operation were investigated and the worst case configuration results are reported in this section.

TEST PROCEDURE

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5% of the expected OBW
3. VBW ≥ 3 x RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7.The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the 99% occupied bandwidth observed in Step 7

TEST SETUP



TEST RESULT

Note: The test data please reference to attachment "STS2512459W04_Appendix GSM" , "STS2512459W04_Appendix WCDMA" and "STS2512459W04_Appendix LTE".

5.4 FREQUENCY STABILITY

TEST OVERVIEW

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26 2015. The frequency stability of the transmitter is measured by:

a.) Temperature: The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.

b.) Primary Supply Voltage: The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 22, the frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5 ppm) of the center frequency. For Part 24 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

TEST PROCEDURE

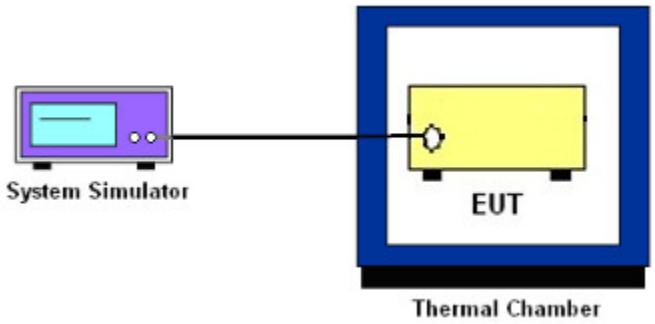
Temperature Variation

1. The testing follows FCC KDB 971168 D01 section 9.0
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C steps up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

Voltage Variation

1. The testing follows FCC KDB 971168 D01 Section 9.0.
2. The EUT was placed in a temperature chamber at 25±5° C and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.

TEST SETUP



TEST RESULT

Note: The test data please reference to attachment “STS2512459W04_Appendix GSM” , “STS2512459W04_Appendix WCDMA” and “STS2512459W04_Appendix LTE”.

5.5 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

TEST OVERVIEW

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

For Band 7:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

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

TEST PROCEDURE

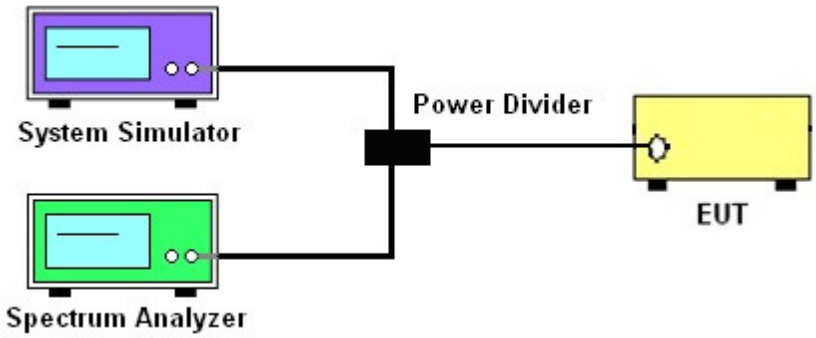
1. The testing FCC KDB 971168 D01 v03r01 Section 6.0. and ANSI C63.26-2015-Section 5.7.
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)

= P(W) - [43 + 10log(P)] (dB)

= [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)

= -13dBm.

TEST SETUP



TEST RESULT

Note: The test data please reference to attachment “STS2512459W04_Appendix GSM” , “STS2512459W04_Appendix WCDMA” and “STS2512459W04_Appendix LTE”.

5.6 BAND EDGE

TEST OVERVIEW

1. §22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

2. §24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed

3. §27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

4. §27.53(m)(4)

For operations in the 2500 MHz ~ 2570 MHz band this section, 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 defined 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 MHzand 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licenseesoperating on frequencies below 2495 MHz may also submit a documented interference complaintagainst BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

5. §27.53 (g)

For operations in the 698 -746 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

TEST PROCEDURE

1. The testing FCC KDB 971168 D01 v03r01 Section 6.0 and ANSI C63.26-2015-Section 5.7
2. Start and stop frequency were set such that the band edge would be placed in the center of the Plot.
3. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
4. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
5. The band edges of low and high channels for the highest RF powers were measured.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7.The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)

= P(W) - [43 + 10log(P)] (dB)

= [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)

= -13dBm.

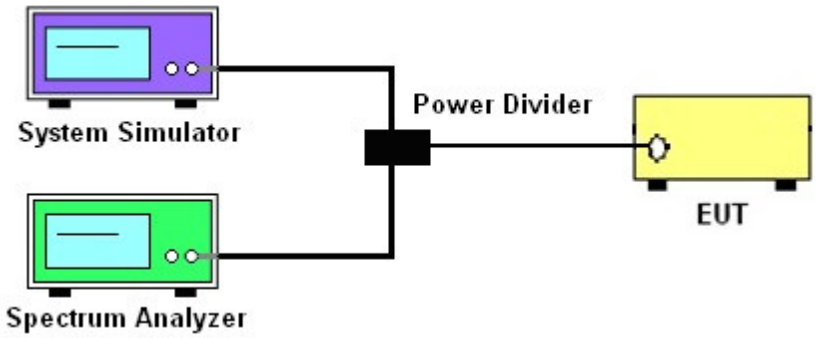
Band 7:

= P(W)- [55 + 10log(P)] (dB)

= [30 + 10log(P)] (dBm) - [55 + 10log(P)] (dB)

= -25dBm.

TEST SETUP



TEST RESULT

Note: The test data please reference to attachment “STS2512459W04_Appendix GSM” , “STS2512459W04_Appendix WCDMA” and “STS2512459W04_Appendix LTE”.

5.7 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

TEST OVERVIEW

Radiated spurious emissions measurements are performed using the substitution method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signalsoperating below 1GHz are performed using horizontally and vertically polarized tuned dipole antennas.Measurements on signals operating above 1GHz are performed using vertically and horizontally polarizedhorn antennas. All measurements are performed as peak measurements while the EUT isoperating at maximum power and at the appropriate frequencies.

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

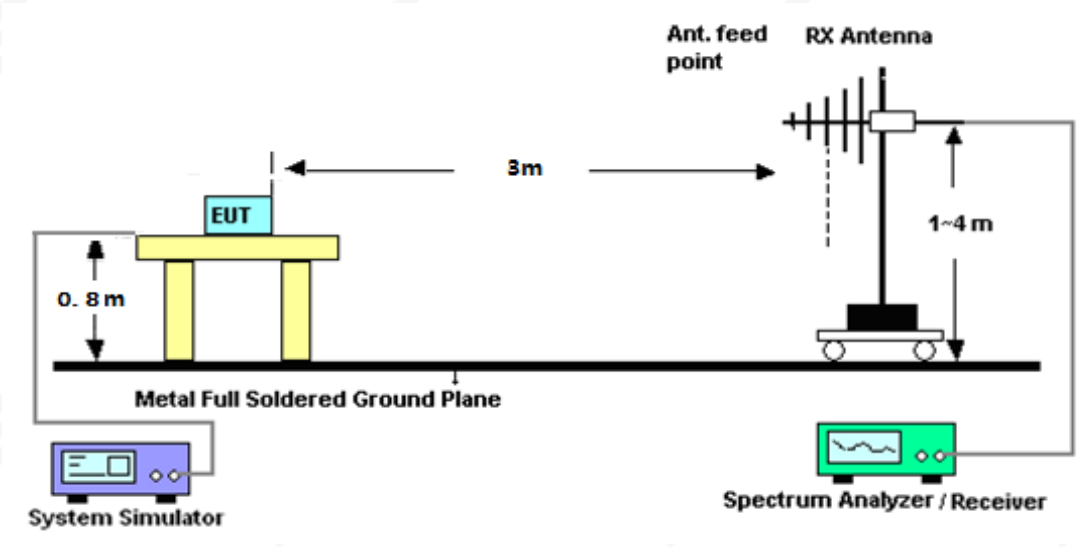
TEST PROCEDURE

1. The testing FCC KDB 971168 D01 Section 5.8 and ANSI C63.26-2015-Section 5.5.
2. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
3. VBW ≥ 3 x RBW
4. Span = 1.5 times the OBW
5.No. of sweep points > 2 x span/RBW
6. Detector = Peak
7. Trace mode = max hold
8. The trace was allowed to stabilize
9. Effective Isotropic Spurious Radiation was measured by substitution method according to TIA/EIA-603-D. The EUT was replaced by the substitution antenna at same location, and then a known power from S.G. was applied into the dipole antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna.

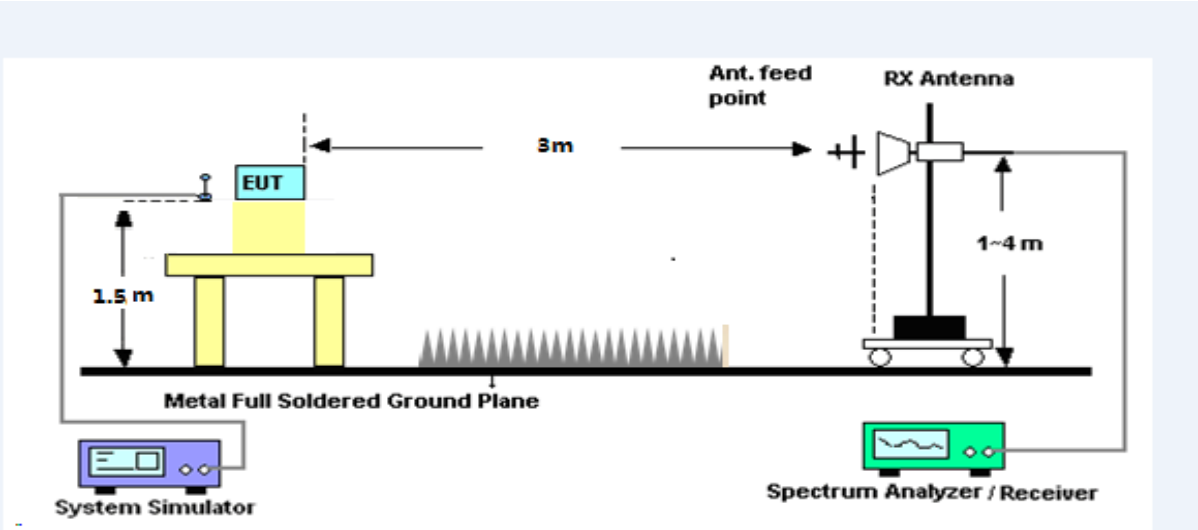
PMea=S.G Level+ Ant-Cable loss; Margin=PMea-Limit.

TEST SETUP

For radiated test from 30MHz to 1GHz



For radiated test from above 1GHz



TEST RESULT

Note: (1) Spurious emissions which are attenuated by more than 20dB below the permissible value for frequeny below 1000MHz.

(2) Above 3.5GHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value

(3)Test is divided into three directions, X/Y/Z. X pattern for the worst.

For Cellular Band_GSM850 Mode

Frequency (MHz)	Reading (dBm)	Correct dB	Result (dBm)	Limit (dBm)	Margin (dB)	Polar H/V
Low Channel (824.2MHz)						
91.45	-14.68	-30.62	-45.30	-13.00	-32.30	H
1648.40	-14.13	-27.29	-41.42	-13.00	-28.42	H
2472.60	-13.72	-25.18	-38.90	-13.00	-25.90	H
91.45	-13.58	-30.62	-44.20	-13.00	-31.20	V
1648.40	-9.31	-27.29	-36.60	-13.00	-23.60	V
2472.60	-11.85	-25.18	-37.03	-13.00	-24.03	V
Middle Channel (836.6MHz)						
91.45	-12.42	-30.62	-43.04	-13.00	-30.04	H
1673.20	-13.07	-27.32	-40.39	-13.00	-27.39	H
2509.80	-8.95	-25.07	-34.02	-13.00	-21.02	H
91.45	-9.24	-30.62	-39.86	-13.00	-26.86	V
1673.20	-9.61	-27.32	-36.93	-13.00	-23.93	V
2509.80	-12.27	-25.07	-37.34	-13.00	-24.34	V
High Channel (848.8MHz)						
91.45	-13.16	-30.62	-43.78	-13.00	-30.78	H
1697.60	-10.29	-27.27	-37.56	-13.00	-24.56	H
2546.40	-14.75	-24.96	-39.71	-13.00	-26.71	H
91.45	-12.72	-30.62	-43.34	-13.00	-30.34	V
1697.60	-9.62	-27.27	-36.89	-13.00	-23.89	V
2546.40	-11.66	-24.96	-36.62	-13.00	-23.62	V

For PCS Band_GSM1900 Mode

Frequency (MHz)	Reading (dBm)	Correct dB	Result (dBm)	Limit (dBm)	Margin (dB)	Polar H/V
Low Channel (1850.2MHz)						
91.45	-10.42	-30.62	-41.04	-13.00	-28.04	H
3700.40	-11.12	-22.20	-33.32	-13.00	-20.32	H
5550.60	-12.81	-19.32	-32.13	-13.00	-19.13	H
91.45	-11.36	-30.62	-41.98	-13.00	-28.98	V
3700.40	-9.44	-22.20	-31.64	-13.00	-18.64	V
5550.60	-11.82	-19.32	-31.14	-13.00	-18.14	V
Middle Channel (1880MHz)						
91.45	-10.66	-30.62	-41.28	-13.00	-28.28	H
3760.00	-10.13	-22.08	-32.21	-13.00	-19.21	H
5640.00	-12.19	-19.28	-31.47	-13.00	-18.47	H
91.45	-12.23	-30.62	-42.85	-13.00	-29.85	V
3760.00	-9.72	-22.08	-31.80	-13.00	-18.80	V
5640.00	-12.44	-19.28	-31.72	-13.00	-18.72	V
High Channel (1909.8MHz)						
91.45	-14.73	-30.62	-45.35	-13.00	-32.35	H
3819.60	-14.93	-21.96	-36.89	-13.00	-23.89	H
5729.40	-15.36	-19.24	-34.60	-13.00	-21.60	H
91.45	-10.94	-30.62	-41.56	-13.00	-28.56	V
3819.60	-9.67	-21.96	-31.63	-13.00	-18.63	V
5729.40	-11.85	-19.24	-31.09	-13.00	-18.09	V

Note: The worst data mode is GSM.

For Band WCDMA Band II Mode(RMC)

Frequency (MHz)	Reading (dBm)	Correct dB	Result (dBm)	Limit (dBm)	Margin (dB)	Polar H/V
Low Channel (1852.4MHz)						
91.45	-14.43	-30.62	-45.05	-13.00	-32.05	H
3704.80	-12.58	-22.19	-34.77	-13.00	-21.77	H
5557.20	-13.74	-19.32	-33.06	-13.00	-20.06	H
91.45	-12.74	-30.62	-43.36	-13.00	-30.36	V
3704.80	-7.50	-22.19	-29.69	-13.00	-16.69	V
5557.20	-6.66	-19.32	-25.98	-13.00	-12.98	V
Middle Channel (1880MHz)						
91.45	-10.43	-30.62	-41.05	-13.00	-28.05	H
3760.00	-14.17	-22.08	-36.25	-13.00	-23.25	H
5640.00	-11.85	-19.28	-31.13	-13.00	-18.13	H
91.45	-12.23	-30.62	-42.85	-13.00	-29.85	V
3760.00	-6.78	-22.08	-28.86	-13.00	-15.86	V
5640.00	-11.15	-19.28	-30.43	-13.00	-17.43	V
High Channel (1907.6MHz)						
91.45	-11.18	-30.62	-41.80	-13.00	-28.80	H
3815.20	-11.89	-21.97	-33.86	-13.00	-20.86	H
5722.80	-10.76	-19.24	-30.00	-13.00	-17.00	H
91.45	-9.98	-30.62	-40.60	-13.00	-27.60	V
3815.20	-7.01	-21.97	-28.98	-13.00	-15.98	V
5722.80	-10.58	-19.24	-29.82	-13.00	-16.82	V

Note: Result=Reading+ Correct, Margin= Result- Limit

For Band WCDMA Band IV Mode(RMC)

Frequency (MHz)	Reading (dBm)	Correct dB	Result (dBm)	Limit (dBm)	Margin (dB)	Polar H/V
Low Channel (1712.4MHz)						
91.45	-10.75	-30.62	-41.37	-13.00	-28.37	H
3424.80	-10.51	-22.75	-33.26	-13.00	-20.26	H
5137.20	-13.72	-19.53	-33.25	-13.00	-20.25	H
91.45	-12.20	-30.62	-42.82	-13.00	-29.82	V
3424.80	-9.26	-22.75	-32.01	-13.00	-19.01	V
5137.20	-11.89	-19.53	-31.42	-13.00	-18.42	V
Middle Channel (1740MHz)						
91.45	-15.13	-30.62	-45.75	-13.00	-32.75	H
3480.00	-10.31	-22.64	-32.95	-13.00	-19.95	H
5220.00	-15.30	-19.49	-34.79	-13.00	-21.79	H
91.45	-13.03	-30.62	-43.65	-13.00	-30.65	V
3480.00	-7.11	-22.64	-29.75	-13.00	-16.75	V
5220.00	-9.18	-19.49	-28.67	-13.00	-15.67	V
High Channel (1752.6MHz)						
91.45	-14.51	-30.62	-45.13	-13.00	-32.13	H
3505.20	-14.83	-22.59	-37.42	-13.00	-24.42	H
5257.80	-10.95	-19.47	-30.42	-13.00	-17.42	H
91.45	-10.70	-30.62	-41.32	-13.00	-28.32	V
3505.20	-8.95	-22.59	-31.54	-13.00	-18.54	V
5257.80	-11.65	-19.47	-31.12	-13.00	-18.12	V

Note: Result=Reading+ Correct, Margin= Result- Limit

For Band WCDMA Band V Mode (RMC)

Frequency (MHz)	Reading (dBm)	Correct dB	Result (dBm)	Limit (dBm)	Margin (dB)	Polar H/V
Low Channel (826.4MHz)						
91.45	-11.04	-30.62	-41.66	-13.00	-28.66	H
1652.80	-10.56	-27.36	-37.92	-13.00	-24.92	H
2479.20	-12.95	-25.16	-38.11	-13.00	-25.11	H
91.45	-10.77	-30.62	-41.39	-13.00	-28.39	V
1652.80	-9.80	-27.36	-37.16	-13.00	-24.16	V
2479.20	-9.86	-25.16	-35.02	-13.00	-22.02	V
Middle Channel (836.4MHz)						
91.45	-13.06	-30.62	-43.68	-13.00	-30.68	H
1672.80	-14.47	-27.32	-41.79	-13.00	-28.79	H
2509.20	-14.62	-25.07	-39.69	-13.00	-26.69	H
91.45	-12.25	-30.62	-42.87	-13.00	-29.87	V
1672.80	-7.65	-27.32	-34.97	-13.00	-21.97	V
2509.20	-11.81	-25.07	-36.88	-13.00	-23.88	V
High Channel (846.6MHz)						
91.45	-13.33	-30.62	-43.95	-13.00	-30.95	H
1693.20	-13.55	-27.27	-40.82	-13.00	-27.82	H
2539.80	-9.99	-24.98	-34.97	-13.00	-21.97	H
91.45	-7.64	-30.62	-38.26	-13.00	-25.26	V
1693.20	-6.64	-27.27	-33.91	-13.00	-20.91	V
2539.80	-11.62	-24.98	-36.60	-13.00	-23.60	V

Note: Result=Reading+ Correct, Margin= Result- Limit

Note: Testing is carried out with frequency rang 9kHz to the tenth harmonics, other than listed in the table above are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

Note: All modes have been tested and only the worst mode is represented, with the worst data being Subtest1.

The Worst Test Results

LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
3701.14	-34.32	12.60	12.93	**-34.65**	-13.00	-21.65	H
5551.70	-34.18	13.10	17.11	-38.19	-13.00	-25.19	H
7402.46	-33.31	11.50	22.20	-44.01	-13.00	-31.01	H
3701.14	-34.95	12.60	12.93	-35.28	-13.00	-22.28	V
5551.70	-34.25	13.10	17.11	-38.26	-13.00	-25.26	V
7402.46	-32.19	11.50	22.20	-42.89	-13.00	-29.89	V
LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
3760.21	-34.04	12.60	12.93	**-34.37**	-13.00	-21.37	H
5640.08	-34.50	13.10	17.11	-38.51	-13.00	-25.51	H
7519.85	-33.16	11.50	22.20	-43.86	-13.00	-30.86	H
3760.21	-34.78	12.60	12.93	-35.11	-13.00	-22.11	V
5640.08	-35.08	13.10	17.11	-39.09	-13.00	-26.09	V
7519.85	-31.96	11.50	22.20	-42.66	-13.00	-29.66	V
LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
3818.27	-33.76	12.60	12.93	**-34.09**	-13.00	-21.09	H
5727.87	-35.25	13.10	17.11	-39.26	-13.00	-26.26	H
7636.76	-32.88	11.50	22.20	-43.58	-13.00	-30.58	H
3818.27	-35.94	12.60	12.93	-36.27	-13.00	-23.27	V
5727.87	-34.93	13.10	17.11	-38.94	-13.00	-25.94	V
7636.76	-32.47	11.50	22.20	-43.17	-13.00	-30.17	V

The Worst Test Results

LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
3421.11	-33.86	12.90	12.56	**-33.52**	-13.00	-20.52	H
5132.15	-34.14	13.10	16.32	-37.36	-13.00	-24.36	H
6842.50	-32.31	12.33	21.13	-41.11	-13.00	-28.11	H
3421.11	-34.66	12.90	12.56	-34.32	-13.00	-21.32	V
5132.15	-34.58	13.10	16.32	-37.80	-13.00	-24.80	V
6842.50	-31.79	12.33	21.13	-40.59	-13.00	-27.59	V
LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
3464.81	-33.71	12.90	12.56	**-33.37**	-13.00	-20.37	H
5197.02	-34.70	13.10	16.32	-37.92	-13.00	-24.92	H
6930.17	-33.59	12.33	21.13	-42.39	-13.00	-29.39	H
3464.81	-34.69	12.90	12.56	-34.35	-13.00	-21.35	V
5197.02	-34.73	13.10	16.32	-37.95	-13.00	-24.95	V
6930.17	-33.09	12.33	21.13	-41.89	-13.00	-28.89	V
LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
3508.11	-34.48	12.90	12.56	**-34.14**	-13.00	-21.14	H
5262.19	-34.82	13.10	16.32	-38.04	-13.00	-25.04	H
7015.57	-32.26	12.33	21.13	-41.06	-13.00	-28.06	H
3508.11	-35.81	12.90	12.56	-35.47	-13.00	-22.47	V
5262.19	-33.92	13.10	16.32	-37.14	-13.00	-24.14	V
7015.57	-33.12	12.33	21.13	-41.92	-13.00	-28.92	V

The Worst Test Results

LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
1648.52	-34.54	9.56	9.72	-34.70	-13.00	-21.70	H
2473.54	-34.24	10.50	10.86	-34.60	-13.00	-21.60	H
3298.58	-33.62	12.78	11.57	-32.41	-13.00	-19.41	H
1648.52	-35.45	9.56	9.72	-35.61	-13.00	-22.61	V
2473.54	-34.26	10.50	10.86	-34.62	-13.00	-21.62	V
3298.58	-32.52	12.78	11.57	**-31.31**	-13.00	-18.31	V
LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
1672.68	-34.71	9.56	9.72	-34.87	-13.00	-21.87	H
2509.32	-35.10	10.50	10.86	-35.46	-13.00	-22.46	H
3345.54	-33.27	12.78	11.57	-32.06	-13.00	-19.06	H
1672.68	-35.94	9.56	9.72	-36.10	-13.00	-23.10	V
2509.32	-34.48	10.50	10.86	-34.84	-13.00	-21.84	V
3345.54	-32.75	12.78	11.57	**-31.54**	-13.00	-18.54	V
LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
1696.08	-33.68	9.56	9.72	-33.84	-13.00	-20.84	H
2544.75	-34.17	10.50	10.86	-34.53	-13.00	-21.53	H
3392.86	-32.72	12.78	11.57	**-31.51**	-13.00	-18.51	H
1696.08	-34.53	9.56	9.72	-34.69	-13.00	-21.69	V
2544.75	-33.83	10.50	10.86	-34.19	-13.00	-21.19	V
3392.86	-32.80	12.78	11.57	-31.59	-13.00	-18.59	V

The Worst Test Results

LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
5005.25	-34.81	12.66	15.86	**-38.01**	-25.00	-13.01	H
7507.84	-35.00	11.46	19.28	-42.82	-25.00	-17.82	H
10010.43	-33.60	12.79	23.19	-44.00	-25.00	-19.00	H
5005.25	-35.24	12.66	15.86	-38.44	-25.00	-13.44	V
7507.84	-34.77	11.46	19.28	-42.59	-25.00	-17.59	V
10010.43	-33.17	12.79	23.19	-43.57	-25.00	-18.57	V
LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
5069.59	-33.75	12.72	15.86	**-36.89**	-25.00	-11.89	H
7604.86	-35.25	11.46	19.28	-43.07	-25.00	-18.07	H
10139.83	-33.32	12.09	23.19	-44.42	-25.00	-19.42	H
5069.59	-34.63	12.72	15.86	-37.77	-25.00	-12.77	V
7604.86	-34.22	11.46	19.28	-42.04	-25.00	-17.04	V
10139.83	-32.00	12.09	23.19	-43.10	-25.00	-18.10	V
LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
5133.62	-34.35	12.76	15.86	**-37.45**	-25.00	-12.45	H
7701.37	-34.47	11.45	19.28	-42.30	-25.00	-17.30	H
10268.16	-33.37	12.28	23.19	-44.28	-25.00	-19.28	H
5133.62	-34.78	12.76	15.86	-37.88	-25.00	-12.88	V
7701.37	-34.41	11.45	19.28	-42.24	-25.00	-17.24	V
10268.16	-32.12	12.28	23.19	-43.03	-25.00	-18.03	V

The Worst Test Results

LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
1398.94	-34.92	8.17	9.34	-36.09	-13.00	-23.09	H
2098.86	-34.81	9.53	10.42	-35.70	-13.00	-22.70	H
2798.67	-33.65	11.27	11.12	-33.50	-13.00	-20.50	H
1398.94	-35.79	8.17	9.34	-36.96	-13.00	-23.96	V
2098.86	-34.83	9.53	10.42	-35.72	-13.00	-22.72	V
2798.67	-32.17	11.27	11.12	**-32.02**	-13.00	-19.02	V
LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
1415.00	-34.40	8.17	9.34	-35.57	-13.00	-22.57	H
2122.20	-34.05	9.53	10.42	-34.94	-13.00	-21.94	H
2829.91	-32.89	11.27	11.12	-32.74	-13.00	-19.74	H
1415.00	-34.77	8.17	9.34	-35.94	-13.00	-22.94	V
2122.20	-34.08	9.53	10.42	-34.97	-13.00	-21.97	V
2829.91	-32.82	11.27	11.12	**-32.67**	-13.00	-19.67	V
LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
1430.36	-34.26	8.17	9.34	-35.43	-13.00	-22.43	H
2145.83	-35.42	9.53	10.42	-36.31	-13.00	-23.31	H
2861.14	-33.09	11.27	11.12	-32.94	-13.00	-19.94	H
1430.36	-35.57	8.17	9.34	-36.74	-13.00	-23.74	V
2145.83	-33.87	9.53	10.42	-34.76	-13.00	-21.76	V
2861.14	-32.39	11.27	11.12	**-32.24**	-13.00	-19.24	V

The Worst Test Results

LTE Band 17 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
1413.24	-33.69	8.17	9.34	-34.86	-13.00	-21.86	H
2120.43	-34.18	9.53	10.42	-35.07	-13.00	-22.07	H
2826.54	-32.64	11.27	11.12	-32.49	-13.00	-19.49	H
1413.24	-35.77	8.17	9.34	-36.94	-13.00	-23.94	V
2120.43	-34.53	9.53	10.42	-35.42	-13.00	-22.42	V
2826.54	-32.27	11.27	11.12	**-32.12**	-13.00	-19.12	V
LTE Band 17 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
1419.97	-34.66	8.17	9.34	-35.83	-13.00	-22.83	H
2130.24	-34.82	9.53	10.42	-35.71	-13.00	-22.71	H
2840.26	-32.51	11.27	11.12	-32.36	-13.00	-19.36	H
1419.97	-35.95	8.17	9.34	-37.12	-13.00	-24.12	V
2130.24	-33.81	9.53	10.42	-34.70	-13.00	-21.70	V
2840.26	-32.28	11.27	11.12	**-32.13**	-13.00	-19.13	V
LTE Band 17 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
1426.23	-34.58	8.17	9.34	-35.75	-13.00	-22.75	H
2139.35	-35.14	9.53	10.42	-36.03	-13.00	-23.03	H
2852.59	-32.28	11.27	11.12	**-32.13**	-13.00	-19.13	H
1426.23	-35.57	8.17	9.34	-36.74	-13.00	-23.74	V
2139.35	-34.19	9.53	10.42	-35.08	-13.00	-22.08	V
2852.59	-33.14	11.27	11.12	-32.99	-13.00	-19.99	V

The Worst Test Results

LTE Band 66 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
3420.88	-33.54	12.90	12.56	**-33.20**	-13.00	-20.20	H
5131.99	-34.36	13.10	16.32	-37.58	-13.00	-24.58	H
6842.68	-33.35	12.33	21.13	-42.15	-13.00	-29.15	H
3420.88	-34.81	12.90	12.56	-34.47	-13.00	-21.47	V
5131.99	-35.19	13.10	16.32	-38.41	-13.00	-25.41	V
6842.68	-32.72	12.33	21.13	-41.52	-13.00	-28.52	V
LTE Band 66 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
3464.63	-33.90	12.90	12.56	**-33.56**	-13.00	-20.56	H
5196.68	-34.31	13.10	16.32	-37.53	-13.00	-24.53	H
6930.29	-32.26	12.33	21.13	-41.06	-13.00	-28.06	H
3464.63	-35.18	12.90	12.56	-34.84	-13.00	-21.84	V
5196.68	-34.05	13.10	16.32	-37.27	-13.00	-24.27	V
6930.29	-33.20	12.33	21.13	-42.00	-13.00	-29.00	V
LTE Band 66 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit （dBm）	Margin (dBm)	Polarity
3508.46	-34.48	12.90	12.56	**-34.14**	-13.00	-21.14	H
5262.61	-34.32	13.10	16.32	-37.54	-13.00	-24.54	H
7015.40	-33.46	12.33	21.13	-42.26	-13.00	-29.26	H
3508.46	-34.88	12.90	12.56	-34.54	-13.00	-21.54	V
5262.61	-35.05	13.10	16.32	-38.27	-13.00	-25.27	V
7015.40	-32.53	12.33	21.13	-41.33	-13.00	-28.33	V

APPENDIX-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

※※※※※END OF THE REPORT※※※※※

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