



No.:
FCCSZ2024-0037-RF1

FCC Spot Check Test Report

FCC ID : 2AJYU-8BAE003

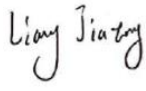
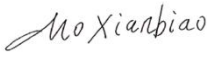
NAME OF SAMPLE : Wireless Module

APPLICANT : SIMCom Wireless Solutions Limited

CLASSIFICATION OF TEST : N/A

CVC Testing Technology (Shenzhen) Co., Ltd.



Applicant		Name: SIMCom Wireless Solutions Limited	
		Address: Building 3, No.289 LinHong Road,Changning District,Shanghai,P.R.China	
Manufacturer		Name: SIMCom Wireless Solutions Limited	
		Address: Building 3, No.289 LinHong Road,Changning District,Shanghai,P.R.China	
Equipment Under Test		Name: Wireless Module	
		Model/Type: A7670G	
		Trade mark: N/A	
		Serial NO.: N/A	
		Sampe NO.:3-1	
Date of Receipt.	2024-05-28	Date of Testing	2024-05-28 ~ 2024-06-18
Test Specification		Test Result	
FCC 47 CFR Part 2, 22(H), 24(E), 27, 90 ANSI/TIA-603-E ANSI C63.26-2015		PASS	
Evaluation of Test Result		The equipment under test was found to comply with the requirements of the standards applied.	
		Seal of CVC Issue Date: 2024-06-20	
Tested by:  <u>Liang Jiatong</u> Name Signature		Reviewed by:  <u>Mo Xianbiao</u> Name Signature	Approved by:  <u>Dong Sanbi</u> Name Signature
Other Aspects: NONE.			
Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested			

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.



TABLE OF CONTENTS

1	TEST LABORATORY INFORMATION	5
1.1	LIST OF TEST AND MEASUREMENT INSTRUMENTS	5
1.2	TEST LOCATION	6
1.3	MEASUREMENT UNCERTAINTY	7
2	GENERAL INFORMATION	8
2.1	GENERAL PRODUCT INFORMATION	8
2.2	GENERAL DESCRIPTION OF APPLIED STANDARDS	9
2.3	DESCRIPTION OF SUPPORT UNITS	10
3	SPOT CHECK VERIFICATION DATA	11
3.1	MAXIMUM CONDUCTED OUT POWER	11
3.2	RADIATED SPURIOUS EMISSION	13
4	PHOTOGRAPHS OF TEST SETUP	26
5	PHOTOGRAPHS OF THE EUT	27



RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCCSZ2024-0037-RF1	Original release	2024-06-20



1 TEST LABORATORY INFORMATION

1.1 LIST OF TEST AND MEASUREMENT INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial Number	Cal. interval	Cal. Due
Antenna Port Conducted Test					
Signal&Spectrum Analyzer	Rohde&Schwarz	FSV 30	104408	1 year	2025.5.21
#4Shielding room	MORI	443	N/A	3 year	2026.5.16
Wideband radio communication tester	Rohde&Schwarz	CMW 500	168588	1 year	2025.5.25
Analog signal Generator(100kHz~12.75GHz)	Rohde&Schwarz	SMB 100A	181882	1 year	2025.5.21
Vector signal Generator(8kHz~6GHz)	Rohde&Schwarz	SMBV 100B	101846	1 year	2025.5.21
DC power supply	Rohde&Schwarz	HMC8041-G	101203	1 year	2025.5.21
RF control unit(2/3/4/5G)	Tonscend	JS0806-1	CS0300027	1 year	2025.5.21
Automatic filter bank(2/3/4G)	Tonscend	JS0806-F	CS0300028	1 year	2025.5.21
Automatic filter bank(5G)	Tonscend	JS0806-F-5G NR	N/A	1 year	2025.5.21
Temperature and humidity meter	UNI-T	A10T	C193561464	1 year	2025.5.21
Radio Communication Analyzer	Anritsu	MT8821C	6272374548	1 year	2025.1.09
Constant temperature humidity chamber	TEELONG	TL-HW-225B	20220518-01	1 year	2025.5.25
Radio Communication Test Station	Anritsu	MT8000A	6272354169	1 year	2025.1.09

Radiated Spurious Emission Test - 3M Chamber					
Equipment	Manufacturer	Model No.	Serial Number	Cal. interval	Cal. Due
Signal&Spectrum Analyzer	Rohde&Schwarz	FSV 40	101898	1 year	2025.5.21
EMI Test Receiver	Rohde&Schwarz	ESR3	102693	1 year	2025.5.25
Antenna(30MHz~1001MHz)	SCHWARZBECK	VULB 9168	01133	1 year	2025.2.21
Horn antenna(1GHz-18GHz)	ETS	3117	227611	1 year	2025.3.25
Horn antenna(18GHz-40GHz)	QMS	QMS-00880	22051	1 year	2025.3.25
3m anechoic chamber	MORI	966	CS0300011	3 year	2026.5.18
Filter group(RSE-BT/WiFi)	Rohde&Schwarz	WiFi /BT Variant 1	100820	1 year	2025.4.28
Filter group(RSE-Cellular)	Rohde&Schwarz	Cellular Variant 1	100768	1 year	2025.4.28
Preamplifier(1GHz-18GHz)	Rohde&Schwarz	SCU-18F	100799	1 year	2025.4.28
Preamplifier(1GHz-18GHz)	Rohde&Schwarz	SCU-18F	100801	1 year	2025.4.28
Preamplifier(18Gz-40GHz)	Rohde&Schwarz	SCU-40A	101209	1 year	2025.4.28
#2 control room	MORI	433	CS0300028	3 year	2026.5.16
Temperature and humidity meter	/	C193561517	C193561517	1 year	2025.4.28



1.2 TEST LOCATION

The tests and measurements refer to this report were performed by EMC testing Lab of CVC Testing Technology (Shenzhen) Co., Ltd.

Lab Address: 1301-14,16, Guanguang Road, Xinlan Community, Guanlan Street, Longhua District, Shenzhen, Guangdong, 518110, P. R. China

Post Code: 518110 Tel: 0755-23763060-8805

Fax: 0755-23763060 E-mail: sz-kf@cvc.org.cn

FCC(Test firm designation number: CN1363)

IC(Test firm CAB identifier number: CN0137)

CNAS(Test firm designation number: L16091)

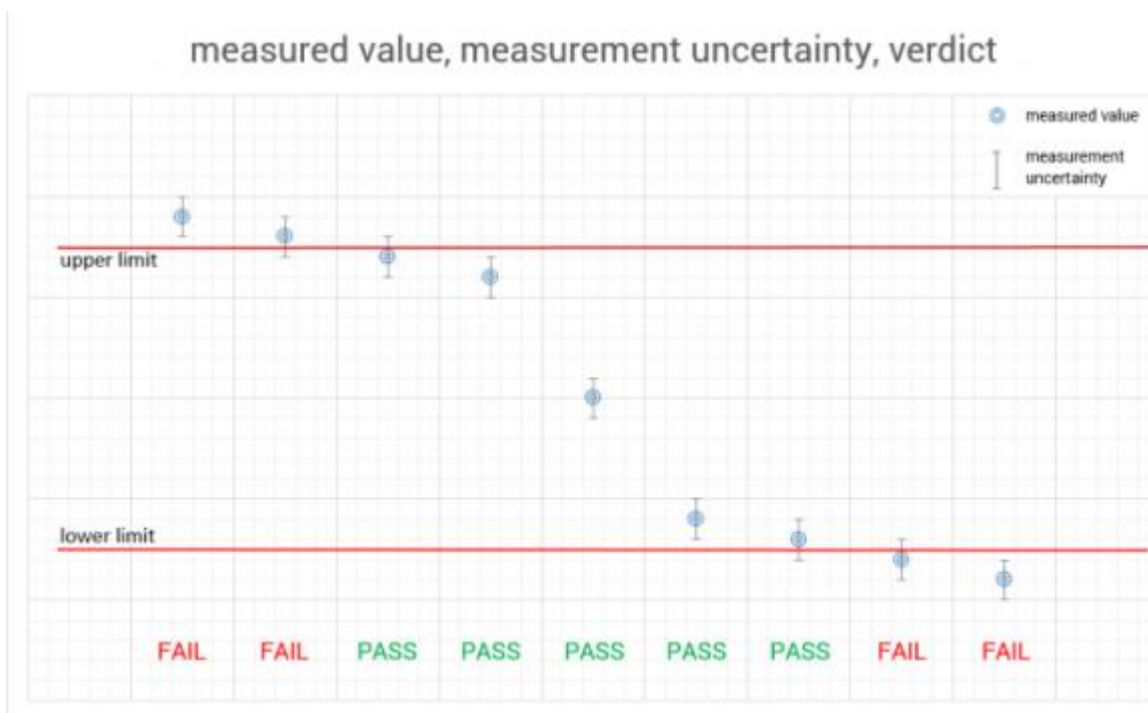
1.3 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

No.	Item	Measurement Uncertainty
1	Occupied Channel Bandwidth	$\pm 1.86\%$
2	RF output power, conducted	$\pm 0.9\text{ dB}$
3	Power Spectral Density, conducted	$\pm 0.8\text{ dB}$
4	Conducted emission test	$\pm 2.7\text{ dB}$
5	Radiated emission 9kHz-30MHz	$\pm 5.6\text{ dB}$
	Radiated emission 30MHz-1GHz	$\pm 4.6\text{ dB}$
	Radiated emission 1GHz-18GHz	$\pm 4.4\text{ dB}$
	Radiated emission 18GHz-40GHz	$\pm 5.1\text{ dB}$
6	Temperature	$\pm 0.73\text{ }^{\circ}\text{C}$
7	Humidity	$\pm 3.90\%$
8	Supply voltages	$\pm 0.37\%$
9	Time	$\pm 0.27\%$
Remark: 95% Confidence Levels, k=2.		

Only the measured values related to their corresponding limits will be used to decide whether the equipment under test meets the requirements of the test standards listed.

The measurement uncertainty is mentioned in this test report, but is not taken into account - neither to the limits nor to the measurement results. Measurement results with a smaller margin to the corresponding limits than the measurement uncertainty have a potential risk of more than 5% that the decision might be wrong.





2 GENERAL INFORMATION

2.1 GENERAL PRODUCT INFORMATION

PRODUCT	Wireless Module			
BRAND	N/A			
MODEL	A7670G			
POWER SUPPLY	DC 3.8V From host unit			
LTE CATEGORY	CAT 1			
MODULATION TYPE	GSM	GMSK, 8PSK		
	LTE	QPSK, 16QAM		
OPERATING FREQUENCY AND ANTENNA GAIN	Band	TX(MHz)	RX(MHz)	Antenna Gain(dBi)
	GSM1900	1850 ~ 1910	1930 ~ 1990	1.87
	GSM 850	824 ~ 849	869 ~ 894	0.91
	LTE B2	1850 ~ 1910	1930 ~ 1990	1.87
	LTE B4	1710 ~ 1755	2110 ~ 2155	3.12
	LTE B5	824 ~ 849	869 ~ 894	0.91
	LTE B7	2500 ~ 2570	2620 ~ 2690	2.90
	LTE B12	699 ~ 716	729 ~ 746	0.22
	LTE B13	777 ~ 787	746 ~ 756	2.23
	LTE B25	1850 ~ 1915	1930 ~ 1995	1.87
	LTE B26(814~ 824)	814~ 824	859 ~ 869	1.40
	LTE B26(824~ 849)	824~ 849	869 ~ 894	0.91
	LTE B38	2570 ~ 2620	2570 ~ 2620	1.64
	LTE B40 Block A	2305 ~ 2315	2305 ~ 2315	-0.31
	LTE B40 Block B	2350 ~ 2360	2350 ~ 2360	-0.19
	LTE B41	2496 ~ 2690	2496 ~ 2690	3.20
	LTE B66	1710 ~ 1780	2110 ~ 2180	3.12
I/O PORTS	Refer to user's manual			
CABLE SUPPLIED	N/A			

Note:

- For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
- Since the above data and/or information is provided by the client, CVC is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.
- This product is based on the original FCC ID: 2AJYU-8BAE003 (Date of Grant: 2022.10.11). The software and hardware do not change. The module type applies from limit module to single module. By technical analysis and evaluation, only the worst case of Maximum conducted output power, Equivalent (Isotropic) Radiated Power and Radiated Spurious Emission was retested.
- FCC ID:2AJYU-8BAE005 and FCC ID:2AJYU-8BAE003, present the same electrical, physical and electro mechanics characteristics, the same PCB, layout and components. The only difference between them is the module names printed in the label, so the test data in the two reports is exactly the same.



2.2 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product, according to the specifications of the manufacturers. It must comply with the requirements of the following standards:

FCC 47 CFR PART 2

FCC 47 CFR PART 22

FCC 47 CFR PART 24

FCC 47 CFR PART 27

FCC 47 CFR PART 90

KDB 971168 D01 POWER MEAS LICENSE DIGITAL SYSTEMS V03R01

ANSI/TIA-603-E

ANSI C63.26-2015

ANSI C63.4-2014

Note: All test items have been performed and recorded as per the above standards



2.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Support Equipment							
NO	Description	Brand	Model No.	Serial Number	Supplied by		
N/A	N/A	N/A	N/A	N/A	N/A		
Support Cable							
NO	Description	Quantity (Number)	Length (cm)	Detachable (Yes/ No)	Shielded (Yes/ No)	Cores (Number)	Supplied by
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A



3 SPOT CHECK VERIFICATION DATA

3.1 MAXIMUM CONDUCTED OUT POWER

Mode	Band	TX(MHz)	Worst mode Test Check Maximum Conducted Power (dBm)		Difference (dB)
			Parent	Variant	
GSM	GSM850	824 ~ 849	32.42	32.10	-0.32
	GSM1900	1850 ~ 1910	28.58	28.36	-0.22
LTE	LTE B2	1850 ~ 1910	23.54	23.37	-0.17
	LTE B4	1710 ~ 1755	24.37	24.21	-0.16
	LTE B5	824 ~ 849	23.50	23.56	0.06
	LTE B7	2500 ~ 2570	21.36	21.62	0.26
	LTE B12	699 ~ 716	24.03	24.09	0.06
	LTE B13	777 ~ 787	23.09	23.34	0.25
	LTE B25	1850 ~ 1915	23.67	23.99	0.32
	LTE B26 (814~ 824)	814~ 824	23.41	23.63	0.22
	LTE B26 (824~ 849)	824~ 849	23.53	23.35	-0.18
	LTE B38	2570 ~ 2620	23.27	23.12	-0.15
	LTE B40 Block A	2305 ~ 2315	23.55	23.50	-0.05
	LTE B40 Block B	2350 ~ 2360	23.20	23.05	-0.15
	LTE B41	2496 ~ 2690	23.08	23.36	0.28
	LTE B66	1710 ~ 1780	24.38	24.63	0.25



Mode	Band	TX(MHz)	Maximum Output Power (dBm)	Division Factors	Maximum Conducted Power
GSM	GSM850	824 ~ 849	32.42	-9.03	23.39
	GSM1900	1850 ~ 1910	28.58	-9.03	19.55

Note:

Division Factors

To average the power, the division factor is as follows:

1Tx slot = 1 transmit time slot out of 8 time slots

=> Output Power divided by (8/1) => -9.03 dB

Mode	Band	TX(MHz)	Variant		Limit (dBm)
			Maximum Conducted Power (dBm)	EIRP(ERP) (dBm)	
GSM	GSM850	824 ~ 849	23.39	22.15	38.45
	GSM1900	1850 ~ 1910	19.55	21.42	33
LTE	LTE B2	1850 ~ 1910	23.54	25.41	33
	LTE B4	1710 ~ 1755	24.37	27.49	30
	LTE B5	824 ~ 849	23.50	22.26	38.45
	LTE B7	2500 ~ 2570	21.36	24.26	33
	LTE B12	699 ~ 716	24.03	22.10	34.77
	LTE B13	777 ~ 787	23.09	23.17	34.77
	LTE B25	1850 ~ 1915	23.67	25.54	33
	LTE B26 (814~ 824)	814~ 824	23.41	22.66	50
	LTE B26 (824~ 849)	824~ 849	23.53	22.29	38.45
	LTE B38	2570 ~ 2620	23.27	24.91	33
	LTE B40 Block A	2305 ~ 2315	23.55	23.24	24
	LTE B40 Block B	2350 ~ 2360	23.20	23.01	24
	LTE B41	2496 ~ 2690	23.08	26.28	33
	LTE B66	1710 ~ 1780	24.38	27.50	30

1. EIRP (dBm) = Maximum Conducted Power (dBm) + Antenna Gain (dBi)

2. ERP (dBm) = Maximum Conducted Power (dBm) + Antenna Gain (dBi) - 2.15



3.2 RADIATED SPURIOUS EMISSION

Test Mode		GSM850_CH190					
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	57.3399	-99.27	-71.47	-13.00	58.47	27.80	71
2	158.6739	-96.84	-71.40	-13.00	58.40	25.44	11
3	539.1315	-97.26	-65.92	-13.00	52.92	31.34	251
4	1673.1546	-52.80	-47.81	-13.00	34.81	4.99	311
5	3131.5263	-71.42	-55.67	-13.00	42.67	15.75	71
6	6190.7782	-72.45	-52.08	-13.00	39.08	20.37	251
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	57.2864	-97.97	-70.02	-13.00	57.02	27.95	254
2	149.739	-98.24	-72.44	-13.00	59.44	25.80	254
3	492.2096	-98.02	-67.07	-13.00	54.07	30.95	254
4	1673.1546	-57.79	-52.65	-13.00	39.65	5.14	254
5	2510.5221	-62.04	-52.31	-13.00	39.31	9.73	74
6	3347.8896	-66.39	-53.89	-13.00	40.89	12.50	314



Test Mode		GSM190_CH661					
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	60.1755	-98.43	-71.29	-13.00	58.29	27.14	257
2	157.9784	-97.51	-72.22	-13.00	59.22	25.29	318
3	606.9728	-97.58	-63.94	-13.00	50.94	33.64	257
4	3130.046	-71.49	-54.59	-13.00	41.59	16.90	49
5	6178.5357	-72.91	-52.33	-13.00	39.33	20.58	49
6	17208.2472	-88.16	-54.14	-13.00	41.14	34.02	360
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	56.7513	-98.15	-70.13	-13.00	57.13	28.02	357
2	160.172	-98.53	-72.31	-13.00	59.31	26.22	172
3	567.2204	-96.76	-65.38	-13.00	52.38	31.38	357
4	3759.812	-69.46	-54.59	-13.00	41.59	14.87	71
5	5780.4761	-72.17	-52.42	-13.00	39.42	19.75	132
6	16388.4126	-87.69	-53.27	-13.00	40.27	34.42	54



Test Mode		LTE B2_QPSK_BW=20MHz_CH 18700_1RB					
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	58.0368	-94.60	-66.86	-13.00	53.86	27.74	71
2	139.2579	-94.40	-68.69	-13.00	55.69	25.71	133
3	427.1167	-93.20	-64.05	-13.00	51.05	29.15	360
4	1095.5056	-92.07	-52.73	-13.00	39.73	39.34	360
5	3129.703	-61.10	-44.25	-13.00	31.25	16.85	234
6	16309.1809	-77.19	-45.79	-13.00	32.79	31.40	259
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	48.1918	-94.51	-66.10	-13.00	53.10	28.41	253
2	160.8741	-93.51	-67.54	-13.00	54.54	25.97	253
3	508.9799	-92.99	-61.96	-13.00	48.96	31.03	191
4	3130.6931	-61.14	-45.72	-13.00	32.72	15.42	174
5	7501.7102	-66.51	-48.16	-13.00	35.16	18.35	259
6	13128.8029	-67.63	-42.81	-13.00	29.81	24.82	321



Test Mode		LTE B4_QPSK_BW=1.4MHz_CH 20393_1RB					
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	61.5682	-92.98	-66.13	-13.00	53.13	26.85	358
2	159.1619	-93.81	-68.28	-13.00	55.28	25.53	173
3	733.3813	-92.34	-57.32	-13.00	44.32	35.02	53
4	3131.6832	-60.63	-43.85	-13.00	30.85	16.78	73
5	6000.6601	-61.60	-41.18	-13.00	28.18	20.42	320
6	16958.5959	-78.86	-44.39	-13.00	31.39	34.47	236
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	32.6753	-88.55	-64.60	-13.00	51.60	23.95	175
2	149.4239	-93.30	-67.51	-13.00	54.51	25.79	0
3	629.902	-92.11	-59.34	-13.00	46.34	32.77	175
4	2773.0946	-58.35	-47.28	-13.00	34.28	11.07	0
5	6911.9712	-68.45	-50.45	-13.00	37.45	18.00	174
6	16388.7489	-79.34	-44.88	-13.00	31.88	34.46	113



Test Mode		LTE B5_QPSK_BW=5MHz_CH 20425_1RB					
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	59.963	-93.49	-66.27	-13.00	53.27	27.22	357
2	141.8262	-93.90	-68.46	-13.00	55.46	25.44	235
3	337.4417	-92.50	-65.30	-13.00	52.30	27.20	235
4	2430.2661	-48.61	-37.71	-13.00	24.71	10.90	115
5	6197.6898	-61.28	-40.94	-13.00	27.94	20.34	257
6	15690.189	-76.05	-46.09	-13.00	33.09	29.96	47
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	55.894	-100.35	-72.89	-36.00	36.89	27.46	110
2	171.133	-99.25	-74.39	-36.00	38.39	24.86	0
3	485.82	-99.23	-69.15	-36.00	33.15	30.08	50
4	2405.5611	-66.44	-56.18	-30.00	26.18	10.26	233
5	5977.59	-72.51	-52.14	-30.00	22.14	20.37	132
6	11961.165	-80.19	-55.62	-30.00	25.62	24.57	294



Test Mode		LTE B7_QPSK_BW=5MHz_CH 20775_1RB					
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	59.9630	-90.86	-63.64	-25.00	38.64	27.22	168
2	119.9960	-90.33	-67.07	-25.00	42.07	23.26	168
3	478.2678	-92.45	-62.32	-25.00	37.32	30.13	74
4	5346.8647	-60.30	-41.27	-25.00	16.27	19.03	185
5	7502.8803	-66.31	-48.16	-25.00	23.16	18.15	175
6	16960.9361	-78.18	-43.70	-25.00	18.70	34.48	55
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	71.9482	-86.36	-63.67	-25.00	38.67	22.69	360
2	119.8890	-87.28	-65.80	-25.00	40.80	21.48	286
3	240.1690	-85.69	-61.42	-25.00	36.42	24.27	66
4	974.1554	-90.67	-52.73	-25.00	27.73	37.94	286
5	6067.6568	-59.66	-39.11	-25.00	14.11	20.55	297
6	16391.0891	-78.49	-44.03	-25.00	19.03	34.46	218



Test Mode		LTE B12_QPSK_BW=5MHz_CH 23155_1RB					
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	59.9630	-90.87	-63.65	-13.00	50.65	27.22	244
2	240.0620	-81.83	-58.10	-13.00	45.10	23.73	360
3	1403.3007	-43.07	-40.77	-13.00	27.77	2.30	244
4	2105.6811	-51.23	-44.14	-13.00	31.14	7.09	305
5	3131.0231	-60.86	-44.03	-13.00	31.03	16.83	22
6	6286.1386	-60.35	-40.21	-13.00	27.21	20.14	52
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.0959	-87.71	-60.45	-13.00	47.45	27.26	276
2	119.9960	-88.84	-67.33	-13.00	54.33	21.51	155
3	1403.3007	-42.97	-38.38	-13.00	25.38	4.59	276
4	2105.3011	-49.75	-41.42	-13.00	28.42	8.33	155
5	3128.0528	-59.92	-44.69	-13.00	31.69	15.23	202
6	5763.3663	-55.98	-37.11	-13.00	24.11	18.87	16



Test Mode		LTE B13_QPSK_BW=5MHz_CH 23230_1RB					
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	57.6088	-94.06	-66.28	-13.00	53.28	27.78	195
2	409.1389	-92.97	-64.31	-13.00	51.31	28.66	255
3	1559.951	-47.91	-43.79	-40.00	3.79	4.12	195
4	3131.6832	-60.97	-44.19	-13.00	31.19	16.78	233
5	6163.0363	-61.82	-41.19	-13.00	28.19	20.63	233
6	11959.1509	-73.36	-48.76	-13.00	35.76	24.60	256
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	48.9409	-93.59	-65.13	-13.00	52.13	28.46	113
2	158.3058	-93.61	-67.29	-13.00	54.29	26.32	113
3	514.0094	-92.57	-61.26	-13.00	48.26	31.31	0
4	1559.951	-52.41	-48.97	-40.00	8.97	3.44	295
5	5498.6799	-61.47	-42.60	-13.00	29.60	18.87	73
6	12584.2184	-74.06	-49.34	-13.00	36.34	24.72	298



Test Mode		LTE B25_QPSK_BW=5MHz_CH 26065_1RB					
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	59.9630	-89.13	-61.91	-13.00	48.91	27.22	174
2	239.9550	-90.11	-66.39	-13.00	53.39	23.72	357
3	711.2301	-92.71	-58.75	-13.00	45.75	33.96	113
4	3130.3630	-60.42	-43.54	-13.00	30.54	16.88	246
5	5984.1584	-60.47	-40.10	-13.00	27.10	20.37	125
6	16960.9361	-78.19	-43.71	-13.00	30.71	34.48	204
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	119.9960	-87.84	-66.33	-13.00	53.33	21.51	235
2	309.7260	-92.43	-65.68	-13.00	52.68	26.75	111
3	975.5466	-90.60	-52.61	-13.00	39.61	37.99	204
4	1483.1166	-48.93	-46.06	-13.00	33.06	2.87	266
5	3792.0792	-55.52	-41.26	-13.00	28.26	14.26	125
6	7583.6184	-57.16	-38.58	-13.00	25.58	18.58	205



Test Mode		LTE B26_QPSK_BW=10MHz_CH 26915_1RB					
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	59.9630	-90.96	-63.74	-13.00	50.74	27.22	246
2	274.5195	-91.69	-66.65	-13.00	53.65	25.04	64
3	564.4114	-92.66	-61.18	-13.00	48.18	31.48	338
4	1637.4275	-44.49	-40.77	-13.00	27.77	3.72	34
5	3125.4125	-59.25	-43.09	-13.00	30.09	16.16	23
6	5785.8086	-60.02	-39.86	-13.00	26.86	20.16	296
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.2029	-88.03	-60.77	-13.00	47.77	27.26	207
2	119.9960	-88.56	-67.05	-13.00	54.05	21.51	207
3	360.0210	-90.70	-63.64	-13.00	50.64	27.06	24
4	1637.0474	-48.29	-43.65	-13.00	30.65	4.64	237
5	3790.0990	-58.45	-44.18	-13.00	31.18	14.27	156
6	6006.9307	-60.32	-40.30	-13.00	27.30	20.02	309



Test Mode		LTE B40_QPSK_BW=10MHz_CH 38750_1RB					
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	59.9630	-89.17	-61.95	-13.00	48.95	27.22	175
2	169.3279	-93.25	-67.74	-13.00	54.74	25.51	114
3	237.4937	-90.90	-67.49	-13.00	54.49	23.41	326
4	1633.6267	-44.34	-40.76	-13.00	27.76	3.58	0
5	3132.0132	-60.09	-43.33	-13.00	30.33	16.76	339
6	6193.0693	-60.05	-39.55	-13.00	26.55	20.50	339
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	71.9482	-89.19	-66.50	-40.00	26.50	22.69	144
2	119.9960	-84.65	-63.14	-40.00	23.14	21.51	144
3	360.0210	-96.62	-69.56	-40.00	29.56	27.06	174
4	4611.2211	-65.68	-49.41	-40.00	9.41	16.27	192
5	9221.7822	-78.63	-59.26	-40.00	19.26	19.37	45
6	16389.9190	-87.56	-52.95	-40.00	12.95	34.61	106



Test Mode		LTE B41_QPSK_BW=15MHz_CH 40620_1RB					
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	59.9630	-91.03	-63.81	-25.00	38.81	27.22	222
2	119.9960	-90.57	-67.31	-25.00	42.31	23.26	190
3	241.6672	-91.33	-67.55	-25.00	42.55	23.78	360
4	1091.0111	-91.96	-52.75	-25.00	27.75	39.21	190
5	6143.2343	-60.34	-40.22	-25.00	15.22	20.12	297
6	16959.7660	-78.34	-43.80	-25.00	18.80	34.54	126
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	39.3099	-88.75	-61.49	-25.00	36.49	27.26	262
2	71.9482	-86.69	-64.00	-25.00	39.00	22.69	357
3	3416.8317	-53.73	-41.33	-25.00	16.33	12.40	222
4	5778.5479	-52.86	-33.21	-25.00	8.21	19.65	360
5	7488.8389	-65.14	-46.97	-25.00	21.97	18.17	24
6	16387.5788	-78.54	-44.22	-25.00	19.22	34.32	327



Test Mode		LTE B66_QPSK_BW=5MHz_CH 132322_1RB					
Horizontal							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	59.9630	-88.95	-61.73	-13.00	48.73	27.22	214
2	159.2689	-93.01	-67.47	-13.00	54.47	25.54	93
3	612.3522	-92.45	-58.68	-13.00	45.68	33.77	3
4	3123.1023	-59.54	-43.76	-13.00	30.76	15.78	114
5	5767.6568	-50.63	-31.02	-13.00	18.02	19.61	114
6	11959.8560	-73.58	-48.99	-13.00	35.99	24.59	310
Vertical							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]
1	59.9630	-90.67	-63.75	-13.00	50.75	26.92	116
2	119.9960	-88.16	-66.65	-13.00	53.65	21.51	116
3	239.9550	-91.08	-66.82	-13.00	53.82	24.26	176
4	3421.7822	-54.47	-42.18	-13.00	29.18	12.29	217
5	5792.0792	-55.91	-36.19	-13.00	23.19	19.72	360
6	6844.1044	-63.65	-45.34	-13.00	32.34	18.31	110



4 PHOTOGRAPHS OF TEST SETUP

Please refer to the attached file (Test Setup Photo).



5 PHOTOGRAPHS OF THE EUT

Please refer to the attached file (External Photos report and Internal Photos).

----- End of the Report -----



Important

- (1) The test report is invalid without the official stamp of CVC;
- (2) Any part photocopies of the test report are forbidden without the written permission from CVC;
- (3) The test report is invalid without the signatures of Approval and Reviewer;
- (4) The test report is invalid if altered;
- (5) Objections to the test report must be submitted to CVC within 15 days.
- (6) Generally, commission test is responsible for the tested samples only.
- (7) As for the test result “-” or “N” means “not applicable”, “/” means “not test”, “P” means “pass” and “F” means “fail”

Address: No. 1301-14,16, Guanguang Road, Xinlan Community, Guanlan Street, Longhua District, Shenzhen, Guangdong, 518110, P. R. China

Post Code: 518110 Tel: 0755-23763060-8805

Fax: 0755-23763060 E-mail: sz-kf@cvc.org.cn

<http://www.cvc.org.cn>