

TEST REPORT

Product : Bus Validator
Trade mark : 
Model/Type reference : P18Q
Serial Number : N/A
Report Number : EED32R81026605
FCC ID : 2AFSMP18Q
Date of Issue : Sep. 23, 2025
Test Standards : 47 CFR Part 2
47 CFR Part 22 subpart H
47 CFR Part 24 subpart E
47 CFR Part 27
47 CFR Part 90
Test result : PASS

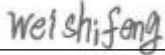
Prepared for:

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District,Shenzhen, Guangdong,P.R.China

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Date:

Sep. 23, 2025



Check No.:9743230625

1 Test Summary

Test Item	Test Requirement	Test method	Result
FCC Part 22 (LTE Band 5,LTE Band 26)			
Conducted output power	Part 2.1046(a)/Part 22.913(a)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
Effective Radiated Power of Transmitter(ERP)	Part 2.1046(a)/Part 22.913(a)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	Part 22.917(b) &KDB 971168 D01v02r02	PASS
Band Edge at antenna terminals	Part 2.1051/Part 22.917(a)	Part 22.917(b) &KDB 971168 D01v02r02	PASS
Spurious emissions at antenna terminals	Part 2.1051/ Part 2.1057/ Part 22.917(a)(b)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
Field strength of spurious radiation	Part 2.1053/ Part 2.1057/ Part 22.917(a)(b)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
Frequency stability	Part 2.1055/ Part 22.355	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
FCC Part 24 (LTE Band 2,LTE Band 25)			
Conducted output power	Part 2.1046(a) /Part 24.232(c)	TIA-603-E-2016&KDB 971168 D01v02r02	PASS
Effective Radiated Power of Transmitter(EIRP)	Part 2.1046(a) / Part 24.232(c)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
peak-to-average ratio	Part 24.232(d)	KDB 971168 D01v02r02	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049(h)	Part 24.238(b) &KDB 971168 D01v02r02	PASS
Band Edge at antenna terminals	Part 2.1051/ Part 24.238(a)	Part 24.238(b) &KDB 971168 D01v02r02	PASS
Spurious emissions at antenna terminals	Part 2.1051/ Part 2.1057/ Part 24.238(a)(b)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
Field strength of spurious radiation	Part 2.1053 /Part 2.1057 / Part 24.238(a)(b)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
Frequency stability	Part 2.1055/Part 24.235	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
FCC Part 27 (LTE Band 4,LTE Band 7,LTE Band 12,LTE Band 13,LTE Band 17)			
Conducted output power	Part 2.1046(a) /Part 27.50(d)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Effective Radiated Power of Transmitter(EIRP)	Part 2.1046(a) / Part 27.50(d)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
peak-to-average ratio	Part 27.50(d)	KDB 971168 D01v03r01	PASS

99% & 26dB Occupied Bandwidth	Part 2.1049(h)	Part 27.53(h) &KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	Part 2.1051/ Part 27.53(h)	Part 27.53(h) &KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	Part 2.1051/ Part 27.53(h)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	Part 2.1053/ Part 27.53(h)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Frequency stability	Part 2.1055/Part 27.54	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
FCC Part 90 (LTE Band 26)			
Conducted output power	Part 2.1046/Part 90.635(b)	ITA-603-E-2016&KDB 971168 D01v03r01	PASS
Effective Radiated Power of Transmitter(ERP)	Part 90.542	ITA-603-E-2016&KDB 971168 D01v03r01	PASS
99% & 26dB Occupied Bandwidth	Part 2.1049/Part 90.209	ITA-603-E-2016&KDB 971168 D01v03r01	PASS
Emission Masks	90.210(b)	ITA-603-E-2016&KDB 971168 D01v03r01	PASS
Band Edge at antenna terminals	Part 2.1051/Part 90.543	ITA-603-E-2016&KDB 971168 D01v03r01	PASS
Spurious emissions at antenna terminals	Part 90.543(e)	ITA-603-E-2016&KDB 971168 D01v03r01	PASS
Field strength of spurious radiation	Part 90.543(e)	ITA-603-E-2016&KDB 971168 D01v03r01	PASS
Frequency stability	Part 90.539(c)	ITA-603-E-2016&KDB 971168 D01v03r01	PASS

Remark:

Tx: In this whole report Tx (or tx) means Transmitter.
 Rx: In this whole report Rx (or rx) means Receiver.
 RF: In this whole report RF means Radiated Frequency.
 CH: In this whole report CH means channel.
 Volt: In this whole report Volt means Voltage.
 Temp: In this whole report Temp means Temperature.
 Humid: In this whole report Humid means humidity.
 Press: In this whole report Press means Pressure.
 N/A: In this whole report not application

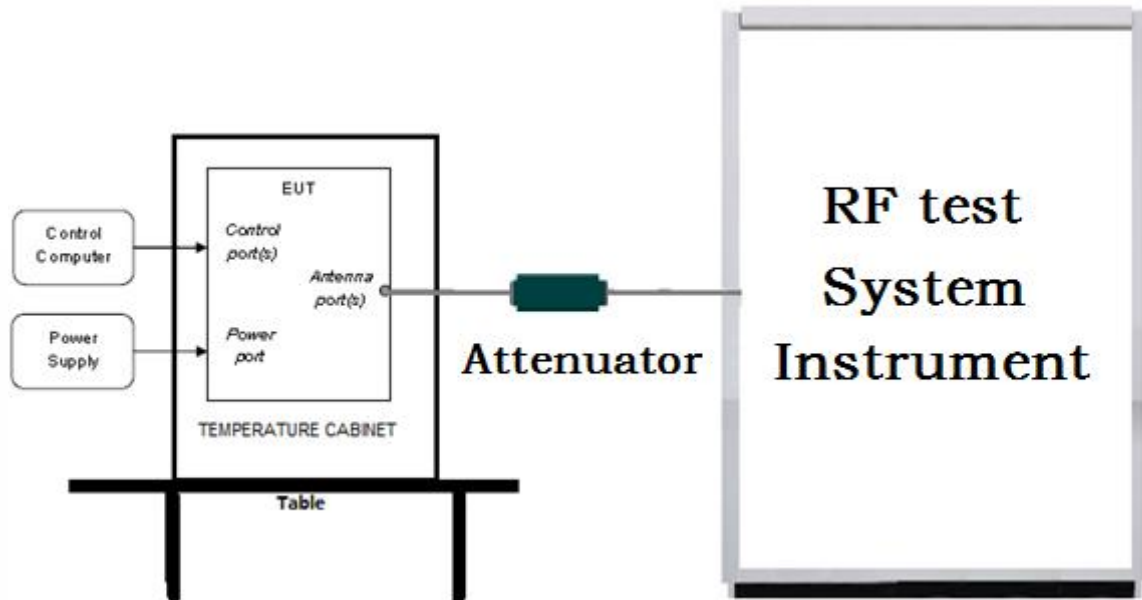
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3 Test Requirement

3.1 Test setup

3.1.1 For Conducted test setup



3.1.2 For Radiated Emissions test setup

Radiated Emissions setup:

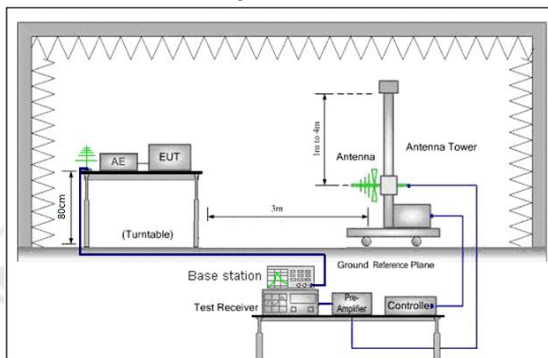


Figure 1. 30MHz to 1GHz

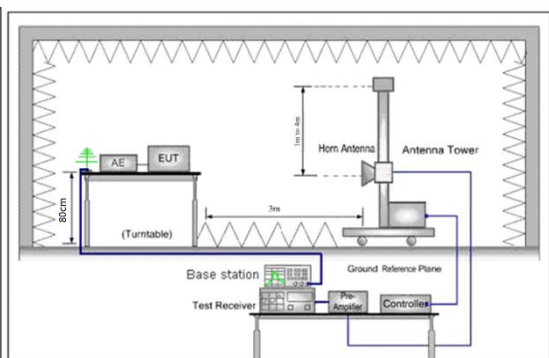


Figure 2. above 1GHz

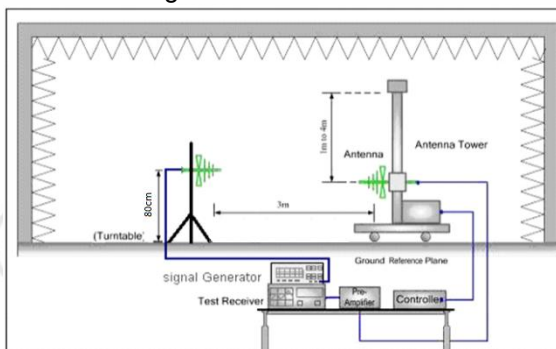


Figure 1. 30MHz to 1GHz

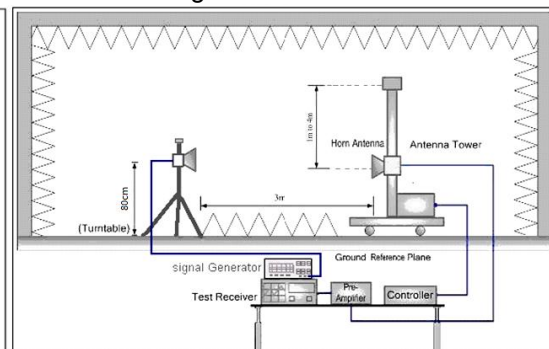


Figure 2. above 1GHz

3.2 Test Environment

Operating Environment:	
Temperature:	22.0 °C
Humidity:	55 % RH
Atmospheric Pressure:	1010mbar

4 General Information

4.1 Client Information

Applicant:	ShenZhen Decard SmartCard Tech co.,LTD
Address of Applicant:	F4,Bldg17,Wenguang Industrial Zone,Chaguang Rd,Nanshan District,Shenzhen, Guangdong,P.R.China
Manufacturer:	ShenZhen Decard SmartCard Tech co.,LTD
Address of Manufacturer:	F4,Bldg17,Wenguang Industrial Zone,Chaguang Rd,Nanshan District,Shenzhen, Guangdong,P.R.China

4.2 General Description of EUT

Product Name:	Bus Validator
Model No.:	P18Q
Trade Mark:	
Product Type:	☐ Mobile ☐ Portable ☒ Fixed Location
Frequency Band:	GSM 850:UL:824-849, DL: 869-894; GSM 1900:UL:1850-1910, DL:1930-1990; WCDMA Band 2:UL:1850-1910, DL:1930-1990; WCDMA Band 5:UL:824-849, DL:869-894; FDD band 2:UL:1850 – 1910MHz,DL: 1930 – 1990MHz; FDD band 4:UL:1710 – 1755MHz,DL: 2110 – 2155MHz; FDD band 5:UL:824 – 849MHz,DL: 869 – 894MHz; FDD band 7:UL:2500 – 2570MHz,DL: 2620 – 2690MHz; FDD band 41:UL:2496 – 2690MHz,DL: 2496 – 2690MHz.
Modulation Type:	QPSK, 16QAM, 64QAM
Antenna Type:	External Antenna
Antenna Gain:	GSM 850: -1.75dBi GSM 1900: 4.63dBi WCDMA Band 2: 4.63dBi WCDMA Band 5: -1.75dBi FDD band 2: 4.46 dBi FDD band 4: 2.84dBi FDD band 5: -1.75dBi FDD band 7: 5.06dBi FDD band 41: 5.22dBi
Power Supply:	DC 9-48V
Nominal Voltage(NV):	DC 12V

Extreme High Voltage(HV):	DC48V
Extreme Low Voltage(LV):	DC 9V
Sample Received Date:	Jul. 17, 2025
Sample tested Date:	Jul. 17, 2025 to Aug. 28, 2025

4.3 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
/	/	/	/	/

4.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

4.5 Deviation from Standards

None.

4.6 Abnormalities from Standard Conditions

None.

4.7 Other Information Requested by the Customer

None.

4.8 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9×10^{-8}
2	RF power, conducted	0.46dB (30MHz-1GHz)
		0.55dB (1GHz-18GHz)
3	Radiated Spurious emission test	4.3dB (30MHz-1GHz)
		4.5dB (1GHz-12.75GHz)
4	Conduction emission	3.5dB (9kHz to 150kHz)
		3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%

5 Equipment List

2G/3G/4G Communication RF test system					
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Spectrum Analyzer	Agilent	E4440A	MY46185649	10-22-2024	10-21-2025
Signal Generator	Keysight	E8257D	MY53401106	12-05-2024	12-04-2025
Signal Generator	Agilent	E4438C	MY45095744	11-30-2024	11-29-2025
Communication test set	R&S	CMW500	120765	12-05-2024	12-04-2025
DC Power	Keysight	E3642A	MY56376072	11-30-2024	11-29-2025
RF control unit	JS Tonscend	JS0806-1	158060004	12-05-2024	12-04-2025
DC power Box	JS Tonscend	JS0806-4	158060007	---	---
High-low temperature test chamber	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	11-30-2024	11-29-2025
Temperature/Humidity Indicator	biaozhi	HM10	1804186	05-26-2025	05-24-2026
Automatic test software	JS Tonscend	JS1120	V2.6.9.0518	---	---
Band rejection filter	Sinoscite	FL5CX01CA09CL12-0395-001	---	---	---
Band rejection filter	Sinoscite	FL5CX01CA08CL12-0393-001	---	---	---
Band rejection filter	Sinoscite	FL5CX02CA04CL12-0396-002	---	---	---
Band rejection filter	Sinoscite	FL5CX02CA03CL12-0394-001	---	---	---
Band rejection filter	Sinoscite	FL5CX02CA03CL12-0397-002	---	---	---
High-pass filter	Sinoscite	FL3CX03WG18NM12-0398-002	---	---	---

3M full-anechoic Chamber					
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Fully Anechoic Chamber	TDK	FAC-3	---	01-09-2024	01-08-2027
Receiver	Keysight	N9038A	MY57290136	01-04-2025	01-03-2026
Spectrum Analyzer	Keysight	N9020B	MY57111112	01-14-2025	01-13-2026
Spectrum Analyzer	Keysight	N9030B	MY57140871	01-14-2025	01-13-2026
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-12-2025	04-11-2026
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-12-2025	04-11-2026
Horn Antenna	ETS-LINDGREN	3117	57407	06-29-2025	06-28-2026
Preamplifier	EMCI	EMC001330	980563	03-03-2025	03-02-2026
Preamplifier	Tonscend	TAP-011858	AP21B806112	07-07-2025	07-06-2026
Preamplifier	Tonscend	EMC051845SE	980380	12-05-2024	12-04-2025
Communication test set	R&S	CMW500	102898	01-04-2025	01-03-2026
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	03-31-2025	03-30-2026
RSE Automatic test software	JS Tonscend	JS36-RSE	V4.0.0.0	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	01-09-2024	01-08-2027
Cable line	Times	EMC104-NMNM-1000	SN160710	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	01-09-2024	01-08-2027
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	01-09-2024	01-08-2027
Cable line	Times	HF160-KMKM-3.00M	393493-0001	01-09-2024	01-08-2027

6 Radio Technical Requirements Specification

Reference documents for testing:

No.	Identity	Document Title
1	PART 22	PART 22 – PUBLIC MOBILE SERVICES Subpart H – Cellular Radiotelephone Service
2	PART 24	PART 24 – PERSONAL COMMUNICATIONS SERVICES Subpart E – Broadband PCS
3	PART 27	PART 27 – MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES Subpart C – Technical Standards
4	PART 90	PART 90—PRIVATE LAND MOBILE RADIO SERVICES
5	PART 2	Frequency allocations and radio treaty matters; general rules and regulations
6	TIA-603-E-2016	Land Mobile FM or PM -Communications Equipment -Measurement and Performance Standards
7	KDB971168 D01	KDB971168 D01 Power Meas License Digital Systems v02r02
8	ANSI C63.26-2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

Test Results List:

Test Method:		Test Descriptions &Test Conditions	Verdict	Note
ANSI C63.26-2015	Clause 5.2	RF output power		Note 1
		NT/NV	PASS	
ANSI C63.26-2015	Clause 5.4	99% & 26dB Occupied Bandwidth		Note 1
		NT/NV	PASS	
ANSI C63.26-2015	Clause 5.2	Peak to average power ratio		Note 1
		NT/NV	PASS	
ANSI C63.26-2015	Clause 5.5	Spurious emissions		Appendix A)
		NT/NV	PASS	
ANSI C63.26-2015	Clause 5.7	Spurious emissions at antenna terminals		Note 1
		NT/NV	PASS	
ANSI C63.26-2015	Clause 5.6	Frequency stability		Note 1
		NT/NV	PASS	
		LT/LV	PASS	
		LT/HV	PASS	
		HT/LV	PASS	
		HT/HV	PASS	
Note 1: The test data please refer to Appendix: LTE Band2 of EED32R81026605 ,Appendix: LTE Band4 of EED32R81026605 , Appendix: LTE Band5 of EED32R81026605 ,Appendix: LTE Band7 of EED32R81026605 , Appendix: LTE Band41 of EED32R81026605				

Appendix A) Field strength of spurious radiation

Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-30MHz	Peak	10kHz	30kHz	Peak
	30MHz-1GHz	Peak	120kHz	300kHz	Peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
Measurement Procedure:	- Scan up to 10th harmonic, find the maximum radiation frequency to measure. - The technique used to find the Spurious Emissions of the transmitter was the antenna substitution method. Substitution method was performed to determine the actual ERP/EIRP emission levels of the EUT. Test procedure as below: - The EUT was powered ON and placed on a 0.8m high table at a 3 meter fully Anechoic Chamber. The antenna of the transmitter was extended to its maximum length. modulation mode and the measuring receiver shall be tuned to the frequency of the transmitter under test. - The EUT was set 3 meters(above 18GHz the distance is 1 meter) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. - The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made. - Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization. - The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter. - A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 3) is obtained for this set of conditions. - The output power into the substitution antenna was then measured. - Steps 6) and 7) were repeated with both antennas polarized. - Calculate power in dBm by the following formula: $\text{ERP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBd)}$ $\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$ $\text{EIRP} = \text{ERP} + 2.15\text{dB}$ where: Pg is the generator output power into the substitution antenna. - Test the EUT in the lowest channel, the middle channel the Highest channel - The radiation measurements are performed in X, Y, Z axis positioning for EUT operation mode, And found the X axis positioning which it is worse case. - Repeat above procedures until all frequencies measured was complete.				
Limit:	Attenuated at least 43+10log(P)				

Measurement Data:

Mode	GSM	Remark	\
Band	850	Channel	190
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	120.034	150	310	-53.98	-13.00	40.98	PASS	Horizontal
2	144.0948	150	157	-58.63	-13.00	45.63	PASS	Horizontal
3	499.962	150	110	-58.78	-13.00	45.78	PASS	Horizontal
4	1399.84	150	274	-46.20	-13.00	33.20	PASS	Horizontal
5	2100.5101	150	238	-47.48	-13.00	34.48	PASS	Horizontal
6	2700.9701	150	219	-48.39	-13.00	35.39	PASS	Horizontal

Mode	GSM	Remark	\
Band	850	Channel	190
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	120.034	150	318	-57.64	-13.00	44.64	PASS	Vertical
2	155.9312	150	147	-59.31	-13.00	46.31	PASS	Vertical
3	550.024	150	48	-59.71	-13.00	46.71	PASS	Vertical
4	1599.86	150	219	-53.14	-13.00	40.14	PASS	Vertical
5	2099.71	150	211	-48.30	-13.00	35.30	PASS	Vertical
6	2699.3699	150	230	-50.70	-13.00	37.70	PASS	Vertical

Mode	GSM	Remark	\
Band	1900	Channel	661
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	57.9416	150	340	-58.50	-13.00	45.50	PASS	Horizontal
2	120.034	150	320	-54.20	-13.00	41.20	PASS	Horizontal
3	524.993	150	243	-60.01	-13.00	47.01	PASS	Horizontal
4	3898.5899	150	245	-52.89	-13.00	39.89	PASS	Horizontal
5	5970.297	150	195	-51.82	-13.00	38.82	PASS	Horizontal
6	12369.937	150	187	-45.47	-13.00	32.47	PASS	Horizontal

Mode	GSM	Remark	\
Band	1900	Channel	661
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	57.7476	150	21	-54.44	-13.00	41.44	PASS	Vertical
2	120.034	150	310	-57.83	-13.00	44.83	PASS	Vertical
3	550.024	150	60	-58.71	-13.00	45.71	PASS	Vertical
4	3700.5701	150	33	-47.00	-13.00	34.00	PASS	Vertical
5	5458.7459	150	145	-51.70	-13.00	38.70	PASS	Vertical
6	11793.8794	150	95	-46.04	-13.00	33.04	PASS	Vertical

Mode	GSM	Remark	\
Band	850	Channel	251
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	36.5973	150	165	-56.47	-13.00	43.47	PASS	Horizontal
2	120.034	150	229	-53.26	-13.00	40.26	PASS	Horizontal
3	499.962	150	65	-59.25	-13.00	46.25	PASS	Horizontal
4	1499.85	150	129	-47.87	-13.00	34.87	PASS	Horizontal
5	2699.97	150	38	-49.30	-13.00	36.30	PASS	Horizontal
6	12569.7285	150	202	-45.37	-13.00	32.37	PASS	Horizontal

Mode	GSM	Remark	\
Band	850	Channel	251
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	36.7914	150	238	-53.21	-13.00	40.21	PASS	Vertical
2	120.034	150	248	-57.02	-13.00	44.02	PASS	Vertical
3	550.024	150	212	-58.95	-13.00	45.95	PASS	Vertical
4	1949.695	150	148	-50.12	-13.00	37.12	PASS	Vertical
5	5007.1004	150	230	-52.73	-13.00	39.73	PASS	Vertical
6	12480.474	150	145	-44.98	-13.00	31.98	PASS	Vertical

Mode	GSM	Remark	\
Band	1900	Channel	661
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	31.5523	150	241	-53.74	-13.00	40.74	PASS	Horizontal
2	120.034	150	261	-53.02	-13.00	40.02	PASS	Horizontal
3	700.016	150	107	-56.89	-13.00	43.89	PASS	Horizontal
4	5017.7018	150	3	-52.68	-13.00	39.68	PASS	Horizontal
5	11598.8599	150	183	-39.58	-13.00	26.58	PASS	Horizontal
6	23621.5622	150	146	-54.57	-13.00	41.57	PASS	Horizontal

Mode	GSM	Remark	\
Band	1900	Channel	661
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	36.5973	150	156	-52.98	-13.00	39.98	PASS	Vertical
2	120.034	150	262	-56.97	-13.00	43.97	PASS	Vertical
3	700.016	150	108	-52.80	-13.00	39.80	PASS	Vertical
4	3559.556	150	250	-54.50	-13.00	41.50	PASS	Vertical
5	12572.4572	150	267	-44.32	-13.00	31.32	PASS	Vertical
6	21592.0592	150	242	-55.94	-13.00	42.94	PASS	Vertical

Mode	GSM	Remark	\
Band	850	Channel	251
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	120.034	150	304	-54.28	-13.00	41.28	PASS	Horizontal
2	499.962	150	103	-59.76	-13.00	46.76	PASS	Horizontal
3	1500.25	150	223	-46.01	-13.00	33.01	PASS	Horizontal
4	2100.11	150	241	-47.47	-13.00	34.47	PASS	Horizontal
5	2449.745	150	275	-48.64	-13.00	35.64	PASS	Horizontal
6	2699.97	150	215	-48.90	-13.00	35.90	PASS	Horizontal

Mode	GSM	Remark	\
Band	850	Channel	251
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	58.5237	150	30	-54.39	-13.00	41.39	PASS	Vertical
2	120.034	150	318	-58.32	-13.00	45.32	PASS	Vertical
3	499.962	150	122	-60.02	-13.00	47.02	PASS	Vertical
4	1950.095	150	326	-50.88	-13.00	37.88	PASS	Vertical
5	2699.57	150	211	-50.62	-13.00	37.62	PASS	Vertical
6	3591.7796	150	324	-53.92	-13.00	40.92	PASS	Vertical

Mode	GSM	Remark	\
Band	1900	Channel	661
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	57.7476	150	31	-57.33	-13.00	44.33	PASS	Horizontal
2	120.034	150	118	-54.99	-13.00	41.99	PASS	Horizontal
3	550.024	150	31	-60.01	-13.00	47.01	PASS	Horizontal
4	3900.09	150	279	-53.10	-13.00	40.10	PASS	Horizontal
5	6315.3315	150	138	-50.68	-13.00	37.68	PASS	Horizontal
6	9678.6679	150	22	-47.02	-13.00	34.02	PASS	Horizontal

Mode	GSM	Remark	\
Band	1900	Channel	661
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	57.7476	150	309	-56.61	-13.00	43.61	PASS	Vertical
2	120.034	150	317	-57.86	-13.00	44.86	PASS	Vertical
3	524.993	150	250	-60.82	-13.00	47.82	PASS	Vertical
4	4557.1557	150	113	-53.83	-13.00	40.83	PASS	Vertical
5	6994.8995	150	357	-49.41	-13.00	36.41	PASS	Vertical
6	11216.3216	150	288	-47.24	-13.00	34.24	PASS	Vertical

Mode	WCDMA	Remark	\
Band	II	Channel	9400
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	120.034	150	327	-54.12	-13.00	41.12	PASS	Horizontal
2	524.993	150	270	-59.78	-13.00	46.78	PASS	Horizontal
3	6743.4372	150	241	-50.59	-13.00	37.59	PASS	Horizontal
4	10340.617	150	318	-48.01	-13.00	35.01	PASS	Horizontal
5	15317.1159	150	270	-45.02	-13.00	32.02	PASS	Horizontal

Mode	WCDMA	Remark	\
Band	II	Channel	9400
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	58.3297	150	61	-55.47	-13.00	42.47	PASS	Vertical
2	120.034	150	113	-58.60	-13.00	45.60	PASS	Vertical
3	524.993	150	262	-59.53	-13.00	46.53	PASS	Vertical
4	6941.4471	150	116	-48.81	-13.00	35.81	PASS	Vertical
5	9721.0861	150	237	-48.34	-13.00	35.34	PASS	Vertical
6	12562.9781	150	326	-44.85	-13.00	31.85	PASS	Vertical

Mode	WCDMA	Remark	\
Band	V	Channel	2788
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	58.7177	150	80	-59.13	-13.00	46.13	PASS	Vertical
2	155.9312	150	176	-59.19	-13.00	46.19	PASS	Vertical
3	1350.035	150	301	-54.94	-13.00	41.94	PASS	Vertical
4	2099.91	150	239	-48.82	-13.00	35.82	PASS	Vertical
5	2699.57	150	212	-50.54	-13.00	37.54	PASS	Vertical
6	5010.1005	150	68	-47.92	-13.00	34.92	PASS	Vertical

Mode	WCDMA	Remark	\
Band	V	Channel	2788
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	120.034	150	333	-55.06	-13.00	42.06	PASS	Horizontal
2	499.962	150	56	-59.81	-13.00	46.81	PASS	Horizontal
3	1499.85	150	225	-44.97	-13.00	31.97	PASS	Horizontal
4	2099.51	150	198	-47.94	-13.00	34.94	PASS	Horizontal
5	2699.57	150	243	-48.75	-13.00	35.75	PASS	Horizontal
6	6989.4495	150	20	-48.05	-13.00	35.05	PASS	Horizontal

Mode	WCDMA	Remark	\
Band	II	Channel	9400
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	60.2701	150	87	-62.63	-13.00	49.63	PASS	Horizontal
2	120.034	150	306	-54.55	-13.00	41.55	PASS	Horizontal
3	550.024	150	45	-60.23	-13.00	47.23	PASS	Horizontal
4	4282.5641	150	93	-53.60	-13.00	40.60	PASS	Horizontal
5	7647.9824	150	304	-49.74	-13.00	36.74	PASS	Horizontal
6	12544.9772	150	93	-44.57	-13.00	31.57	PASS	Horizontal

Mode	WCDMA	Remark	\
Band	II	Channel	9400
Temperature	23.2°C	Humidity	58.1%
Ant	\	Engineer	chenjun

Suspected List

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	58.7177	150	75	-56.32	-13.00	43.32	PASS	Vertical
2	155.9312	150	153	-59.65	-13.00	46.65	PASS	Vertical
3	550.024	150	257	-58.87	-13.00	45.87	PASS	Vertical
4	4416.0708	150	116	-54.72	-13.00	41.72	PASS	Vertical
5	6910.6955	150	32	-49.94	-13.00	36.94	PASS	Vertical
6	11816.6908	150	65	-46.47	-13.00	33.47	PASS	Vertical