

FCC RF Test Report

APPLICANT : Quanzhou Tesunho Electronics Co., Ltd

EQUIPMENT : IP Trunking Radio

BRAND NAME : TESUNHO tesuniho*

MODEL NAME : TH-682pro

FCC ID : 2AKS9TH682PRO STANDARD : 47 CFR Part 2, 90(R)

CLASSIFICATION : PCS Licensed Transmitter held to face (PCF)

TEST DATE(S) : May 14, 2024 ~ May 28, 2024

This product installed a RF module (Brand Name: Quectel, Model Name: EC25-AF; EC25-AF MINIPCIE, FCC ID: XMR201808EC25AF) during the test, only Conducted Power, ERP and RSE test items are tested in this report, all the other test results are leveraged from module RF report.

We, Sporton International Inc. (Shenzhen), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Shenzhen), the test report shall not be reproduced except in full.

Approved by: Jason Jia

JasonJia





Report No.: FG442609C

Sporton International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AKS9TH682PRO Page Number : 1 of 16
Report Issued Date : Jun. 06, 2024
Report Version : Rev. 01

TABLE OF CONTENTS

RE	VISIO	N HISTORY	3
SU	MMAF	RY OF TEST RESULT	4
1	GENI	ERAL DESCRIPTION	5
	1.1 1.2 1.3 1.4 1.5 1.6 1.7	Applicant Manufacturer Feature of Equipment Under Test Maximum ERP Power Testing Site Test Software Applied Standards	5 5 6
2	TEST	CONFIGURATION OF EQUIPMENT UNDER TEST	8
	2.1 2.2 2.3 2.4	Test Mode Connection Diagram of Test System Support Unit used in test configuration and system Frequency List of Low/Middle/High Channels	9 9
3	CON	DUCTED TEST ITEMS	10
	3.1 3.2	Measuring Instruments Conducted Output Power and ERP	
4	RADI	ATED TEST ITEMS	12
	4.1 4.2 4.3 4.4	Measuring Instruments Test Setup Test Result of Radiated Test Radiated Spurious Emission Measurement	12 13
5	LIST	OF MEASURING EQUIPMENT	15
	PEND	SUREMENT UNCERTAINTYIX A. TEST RESULTS OF CONDUCTED TEST IX B. TEST RESULTS OF RADIATED TEST	16
ΑP	PEND	IX C. TEST SETUP PHOTOGRAPHS	

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AKS9TH682PRO Page Number : 2 of 16
Report Issued Date : Jun. 06, 2024
Report Version : Rev. 01
Report Template No.: BU5-FGLTE Version 2.0

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG442609C	Rev. 01	Initial issue of report	Jun. 06, 2024

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AKS9TH682PRO Page Number : 3 of 16
Report Issued Date : Jun. 06, 2024
Report Version : Rev. 01
Report Template No.: BU5-FGLTE Version 2.0

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
0.0	§2.1046	Conducted Output Power	_	Reporting only	-
3.2	§90.542 (a)(7)	Effective Radiated Power	ERP < 3Watt	PASS	-
-	-	Peak-to-Average Ratio	_	Reporting only	1
-	§2.1049	Occupied Bandwidth	_	Reporting only	1
-	§2.1053	Conducted Band Edge	Refer standard	PASS	1
	§90.543 (e)(2)(3)	Measurement	nt		•
_	§2.1051 Emission Mask		Mask B	PASS	1
	§90.210(n)	-	maon 2	.,,,,,	•
	§2.1053	Conducted Spurious Emission	42 (10log (DIMottol)	PASS	1
-	§90.543 (e)(3)	Conducted Spundus Emission	< 43+10log ₁₀ (P[Watts])	PASS	1
	§2.1055	Frequency Stability	14.05	DACC	4
-	§90.539 (e)	Temperature & Voltage	< ±1.25 ppm	PASS	1
	00.4050				Under limit
	§2.1053	Dadiated Couries Free	40 - 401 (DDA/ // 1)	D4.00	20.25 dB at
4.4	§90.543 (e)(3)	Radiated Spurious Emission	< 43+10log ₁₀ (P[Watts])	PASS	1581.50
	§90.543 (f)				MHz

Remark 1: All test results were leveraged from module RF report which can refer to Report No. R1806A0301-R4V1.

Conformity Assessment Condition:

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- 2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AKS9TH682PRO Page Number : 4 of 16
Report Issued Date : Jun. 06, 2024
Report Version : Rev. 01

Report No.: FG442609C

1 General Description

1.1 Applicant

Quanzhou Tesunho Electronics Co., Ltd No.605 BLDG 1, 269 Tiyu Str. FZ, QZ, FJ

1.2 Manufacturer

Quanzhou Tesunho Electronics Co., Ltd No.605 BLDG 1, 269 Tiyu Str. FZ, QZ, FJ

1.3 Feature of Equipment Under Test

Product Feature							
Equipment	IP Trunking Radio						
Brand Name	TESUNHO tesunho®						
Model Name	TH-682pro						
FCC ID	2AKS9TH682PRO						
Tx Frequency	LTE Band 14: 788 MHz ~ 798 MHz						
Rx Frequency	LTE Band 14: 758 MHz ~ 768 MHz						
Bandwidth	5MHz / 10MHz						
Maximum Output Power to Antenna	23.68 dBm						
Antenna Type / Gain	Dipole Antenna / 2 dBi						
Type of Modulation	QPSK / 16QAM						
IMEI Code	Radiation: 863890053372793						
HW Version	T12AV1.0-2125						
SW Version	A110AG20000ZE10						
EUT Stage	Production Unit						

Report No.: FG442609C

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Maximum ERP Power

	LTE Band 14	QPSK	16QAM
BW Frequency Range (MHz)		Maximum ERP(W)	Maximum ERP(W)
5	790.5~795.5	0.2239	0.1754
10	793	0.2254	0.1910

 Sporton International Inc. (ShenZhen)
 Page Number
 : 5 of 16

 TEL: +86-755-8637-9589
 Report Issued Date
 : Jun. 06, 2024

 FAX: +86-755-8637-9595
 Report Version
 : Rev. 01

FCC ID: 2AKS9TH682PRO Report Template No.: BU5-FGLTE Version 2.0

1.5 Testing Site

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)										
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595										
	Sporton Site No.	FCC Designation No.	FCC Test Firm								
Test Site No.	Sporton Site No.	i co besignation ito.	Registration No.								
	TH01-SZ	CN1256	421272								

Test Firm	Sporton International Inc. (ShenZhen)									
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985									
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.							
	03CH03-SZ	CN1256	421272							

1.6 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH03-SZ	AUDIX	E3	6.2009-8-24

Sporton International Inc. (ShenZhen) TEL: +86-755-8637-9589

FAX: +86-755-8637-9595 FCC ID: 2AKS9TH682PRO Page Number : 6 of 16
Report Issued Date : Jun. 06, 2024
Report Version : Rev. 01
Report Template No.: BU5-FGLTE Version 2.0

1.7 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 2, Part 90(R)
- ANSI C63.26
- KDB 971168 D01 Power Meas License Digital Systems v03r01
- KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

- 1. All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AKS9TH682PRO Page Number : 7 of 16
Report Issued Date : Jun. 06, 2024
Report Version : Rev. 01
Report Template No.: BU5-FGLTE Version 2.0

Test Configuration of Equipment Under Test 2

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

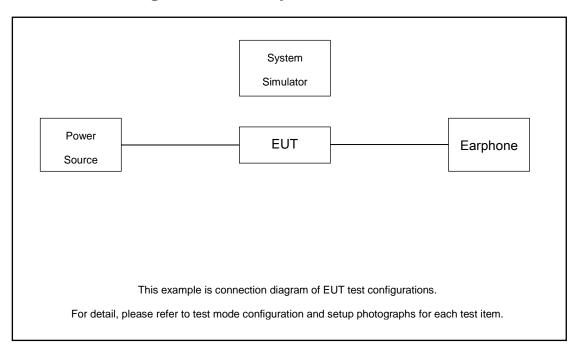
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission(X plane).

Conducted	Donal		В	andwid	th (MH	lz)		Modulation			RB#			Test Channel		
Test Cases	Band	1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	М	Н
Max. Output	14	-	-	٧		-	-	V	V	-	٧	٧	٧	٧	٧	٧
Power	14	-	-		٧	-	-	٧	٧	-	٧	٧	٧		٧	
5 D D	14	-	-	٧		-	-	٧	V	-	٧	V	V	٧	٧	٧
E.R.P	14	-	-		٧	-	-	V	V	-	٧	V	V		٧	
Radiated																
Spurious	14	-	-	٧	٧	-	-	V		-	٧				V	
Emission																
	1. The mark "v" means that this configuration is chosen for testing															
	2. T	he ma	rk "-"	mean	s that	this b	andwi	dth is no	ot suppor	ted.						
Note	3. T	he dev	/ice is	inves	stigate	d fron	n 30M	Hz to 10) times o	f fundam	ental	signal	for rac	diated	spuri	ous
					•					ulations i		Ū			•	
	OI	nly the	wors	t case	e emis	sions	are re	ported.			·		•		•	• •

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AKS9TH682PRO Page Number : 8 of 16 Report Issued Date : Jun. 06, 2024 Report Version : Rev. 01

Report No.: FG442609C

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

I	tem	Equipment Trade Name Model No.		Model No.	FCC ID	Data Cable	Power Cord
	1.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
	2.	DC Power Supply	GW INSTEK	GPS-3030D	N/A	N/A	Unshielded, 1.8 m

2.4 Frequency List of Low/Middle/High Channels

	LTE Band 14 Channel and Frequency List											
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest								
10	Channel	-	23330	-								
10	Frequency	-	793	-								
F	Channel	23305	23330	23355								
5	Frequency	790.5	793	795.5								

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AKS9TH682PRO Page Number : 9 of 16
Report Issued Date : Jun. 06, 2024
Report Version : Rev. 01
Report Template No.: BU5-FGLTE Version 2.0

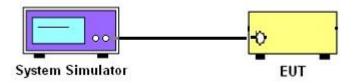
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AKS9TH682PRO Page Number : 10 of 16
Report Issued Date : Jun. 06, 2024
Report Version : Rev. 01
Report Template No.: BU5-FGLTE Version 2.0

3.2 Conducted Output Power and ERP

3.2.1 Description of the Conducted Output Power Measurement and ERP

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 14.

According to KDB 412172 D01 Power Approach,

 $EIRP = P_T + G_T - L_C$, ERP = EIRP - 2.15, where

 P_T = transmitter output power in dBm

 G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.2.2 Test Procedures

- 1. The testing follows ANSI C63.26 Section 5.2
- 2. The transmitter output port was connected to the system simulator.
- 3. Set EUT at maximum power through the system simulator.
- 4. Select lowest, middle, and highest channels for each band and different modulation.
- 5. Measure and record the power level from the system simulator.

Page Number : 11 of 16
Report Issued Date : Jun. 06, 2024
Report Version : Rev. 01

Report No.: FG442609C

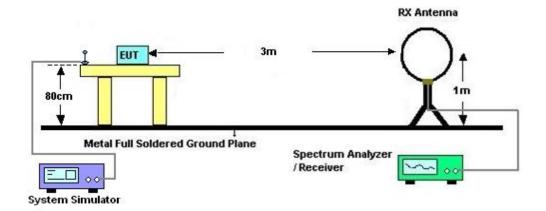
Radiated Test Items 4

4.1 Measuring Instruments

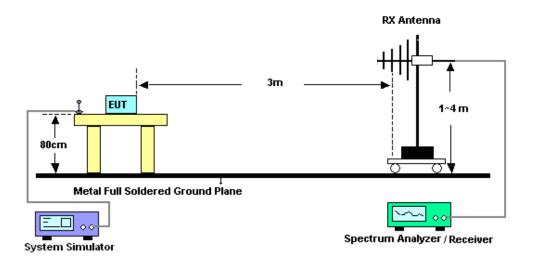
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated test below 30MHz



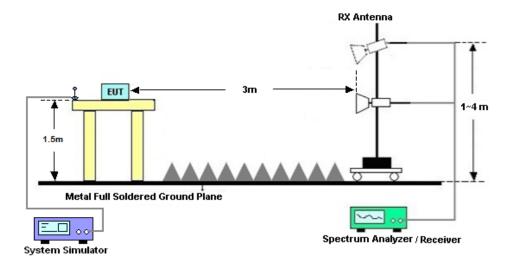
4.2.2 For radiated test from 30MHz to 1GHz



TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AKS9TH682PRO Page Number : 12 of 16 Report Issued Date : Jun. 06, 2024 Report Version : Rev. 01

Report No.: FG442609C

4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AKS9TH682PRO Page Number : 13 of 16 Report Issued Date : Jun. 06, 2024 Report Version : Rev. 01

Report No.: FG442609C

4.4 Radiated Spurious Emission Measurement

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

Report No.: FG442609C

For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

4.4.2 Test Procedures

- 1. The testing follows ANSI C63.26 Section 5.5
- 1. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
- 2. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
- 4. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
- 5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
- 6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
- 7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
- 8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
- 9. EIRP (dBm) = S.G. Power Tx Cable Loss + Tx Antenna Gain
- 10. ERP (dBm) = EIRP 2.15
- 11. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

Page Number

Report Version

: 14 of 16

: Rev. 01

Report Issued Date: Jun. 06, 2024

Report Template No.: BU5-FGLTE Version 2.0

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.

List of Measuring Equipment 5

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 09, 2024	May 28, 2024	Apr. 08, 2025	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V , 3A	Oct. 16, 2023	May 28, 2024	Oct. 15, 2024	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2023	May 28, 2024	Dec. 24, 2024	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 05, 2023	May 28, 2024	Jul. 04, 2024	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 09, 2024	May 14, 2024	Apr. 08, 2025	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 28, 2022	May 14, 2024	Jun. 27, 2024	Radiation (03CH03-SZ)
EXA Spectrum Anaiyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 09, 2024	May 14, 2024	Apr. 08, 2025	Radiation (03CH03-SZ
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Aug. 20, 2023	May 14, 2024	Aug. 19, 2025	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 09, 2024	May 14, 2024	Apr. 08, 2025	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 18, 2023	May 14, 2024	Oct. 17, 2024	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 07, 2023	May 14, 2024	Jul. 06, 2024	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 09, 2024	May 14, 2024	Apr. 08, 2025	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 27, 2023	May 14, 2024	Dec. 26, 2024	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	N/A	Oct. 18, 2023	May 14, 2024	Oct. 17, 2024	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	May 14, 2024	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	May 14, 2024	NCR	Radiation (03CH03-SZ)

NCR: No Calibration Required

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AKS9TH682PRO Page Number : 15 of 16 Report Issued Date : Jun. 06, 2024 Report Version : Rev. 01

Report No.: FG442609C

6 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty				
Conducted Power	±1.34 dB				

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of	3.0 dB
Confidence of 95% (U = 2Uc(y))	

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of	2 C 4D
Confidence of 95% (U = 2Uc(y))	3.6 dB

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of	3.8 dB	
Confidence of 95% (U = 2Uc(y))	3.0 UB	

----- THE END -----

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AKS9TH682PRO Page Number : 16 of 16
Report Issued Date : Jun. 06, 2024
Report Version : Rev. 01

Report No.: FG442609C



Appendix A. Test Results of Conducted Test

Test Engineer :	Khan Zhen	Temperature :	22~23°C	
		Relative Humidity :	40~42%	

Conducted Output Power(Average power) and ERP

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
	Char	nnel		23330					
	Frequenc	y (MHz)			793			М	
10	QPSK	1	0		23.44			0.2133	
10	QPSK	1	25		23.68			0.2254	
10	QPSK	1	49		23.63			0.2228	
10	QPSK	25	0		22.64			0.1774	
10	QPSK	25	12		22.48			0.1710	
10	QPSK	25	25		22.58			0.1750	
10	QPSK	50	0		22.57			0.1746	
10	16QAM	1	0		22.96			0.1910	
Channel		23305	23330	23355		ERP(W)			
Frequency (MHz)		790.5	793	795.5	L	M	Н		
5	QPSK	1	0	23.43	23.65	23.35	0.2128	0.2239	0.2089
5	16QAM	1	0	22.52	22.59	22.23	0.1726	0.1754	0.1614

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AKS9TH682PRO

Appendix B. Test Results of Radiated Test

Field Strength of Spurious Radiated

Test Engineer :	Chunning Vou	Temperature :	22~25°C	
	Shunping You	Relative Humidity :	48~52%	

	LTE Band 14 / 5MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
	1581.5	-62.40	-42.15	-20.25	-68.96	-65.65	4.00	9.40	Н
	2372.25	-62.98	-13	-49.98	-73.62	-66.55	4.88	10.60	Н
NA: al all a	3163	-63.27	-13	-50.27	-76.32	-68.20	5.52	12.60	Н
Middle	1581.5	-66.65	-42.15	-24.50	-73.45	-69.90	4.00	9.40	V
	2372.25	-63.96	-13	-50.96	-75.00	-67.53	4.88	10.60	V
	3163	-62.78	-13	-49.78	-76.40	-67.71	5.52	12.60	V

	LTE Band 14 / 10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
	1577	-66.12	-42.15	-23.97	-72.74	-69.37	4.00	9.40	Н	
	2365.5	-64.48	-13	-51.48	-75.15	-68.05	4.88	10.60	Н	
NA: al all a	3154	-64.01	-13	-51.01	-77.03	-68.94	5.52	12.60	Н	
Middle	1577	-64.54	-42.15	-22.39	-71.38	-67.79	4.00	9.40	V	
	2365.5	-62.14	-13	-49.14	-73.21	-65.71	4.88	10.60	V	
	3154	-63.53	-13	-50.53	-77.10	-68.46	5.52	12.60	V	

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Sporton International Inc. (ShenZhen)

TEL: +86-755-8637-9589 FAX: +86-755-8637-9595 FCC ID: 2AKS9TH682PRO Page Number

: B1 of B1