RF TEST REPORT



Report No.: 15050058-FCC-R1
Supersede Report No.:N/A

Applicant	Quectel Wireless Solutions Co., Ltd.				
Product Name	GSM/GPRS Module				
Model No.	M95				
Serial No.	N/A				
Test Standard	FCC Part 22(H), FCC Part 24(E): 2014; ANSI/TIA603 D: 2010				
Test Date	December 19 to December 31, 2015				
Issue Date	December 31, 2015				
Test Result	Pass Fail				
Equipment complied with the specification					
Equipment did not comply with the specification					
Winnie Zhang		David	Huang		
Winnie Zhang Test Engineer			id Huang ecked By		

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Test result presented in this test report is applicable to the tested sample only

Issued by:

SIEMIC (SHENZHEN-CHINA) LABORATORIES

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Laboratories Introduction

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.



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Accreditations for Conformity Assessment

Country/Region	Scope
USA	EMC, RF/Wireless, SAR, Telecom
Canada	EMC, RF/Wireless, SAR, Telecom
Taiwan	EMC, RF, Telecom, SAR, Safety
Hong Kong	RF/Wireless, SAR, Telecom
Australia	EMC, RF, Telecom, SAR, Safety
Korea	EMI, EMS, RF, SAR, Telecom, Safety
Japan	EMI, RF/Wireless, SAR, Telecom
Singapore	EMC, RF, SAR, Telecom
Europe	EMC, RF, SAR, Telecom, Safety



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1. Report Revision History

Report No.	Report Version	Description	Issue Date
15050058-FCC-R1	NONE	Original	December 31, 2015

2. Customer information

Applicant Name	Quectel Wireless Solutions Co., Ltd.
Applicant Add	RM501,Building 13,No.99 TianZhou Road,Xuhui District,Shanghai,China
Manufacturer	Quectel Wireless Solutions Co., Ltd.
Manufacturer Add	RM501,Building 13,No.99 TianZhou Road,Xuhui District,Shanghai,China

3. Test site information

Lab performing tests	SIEMIC (Shenzhen-China) LABORATORIES
	Zone A, Floor 1, Building 2 Wan Ye Long Technology Park
Lab Address	South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong
	China 518108
FCC Test Site No.	718246
IC Test Site No.	4842E-1
Test Software	Radiated Emission Program-To Shenzhen v2.0



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4. Equipment under Test (EUT) Information

Description of EUT:	GSM/GPRS Module

Main Model: M95

Serial Model: N/A

Date EUT received: December 18,2015

Test Date(s): December 19 to December 31, 2015

Equipment Category: PCB

GSM850: 1dBi Antenna Gain:

PCS1900: 1dBi

Type of Modulation: GSM / GPRS: GMSK

GSM850 TX: 824.2 ~ 848.8 MHz; RX: 869.2 ~ 893.8 MHz

RF Operating Frequency (ies): PCS1900 TX: 1850.2 ~ 1909.8 MHz; RX: 1930.2 ~ 1989.8 MHz

Maximum Conducted GSM850: 32.08 dBm

AV Power to Antenna: PCS1900: 29.22 dBm

GSM850: 30.86 dBm / ERP ERP/EIRP:

PCS1900: 29.96 dBm / EIRP

GSM 850: 124CH

Number of Channels: PCS1900: 299CH

Port: N/A

Input Power: Spec: DC 4.0V,

Trade Name: Quectel

GPRS Multi-slot class 8/10/12



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Note: Antenna gain including cable loss must not exceed 4.95 dBi of GSM 850 and 2.5 dBi of PCS 1900.



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5. Test Summary

The product was tested in accordance with the following specifications.

All testing has been performed according to below product classification:

FCC Rules	Description of Test	Result	
§ 1.1307; § 2.1093	RF Exposure (SAR)	Compliance	
§2.1046; § 22.913(a); § 24.232(c)	RF Output Power	Compliance	
§ 24.232 (d)	Peak-Average Ratio	Compliance	
§ 2.1049; § 22.905; § 22.917;	000/ 9, 20 dD Oppuried Developed	Compliance	
§ 24.238	99% & -26 dB Occupied Bandwidth	Compliance	
§ 2.1051; § 22.917(a);	Courieus Emissione et Antonne Terminal	Compliance	
§ 24.238(a)	Spurious Emissions at Antenna Terminal	Compliance	
§ 2.1053; § 22.917(a);	Field Strength of Spurious Radiation	Compliance	
§ 24.238(a)			
§ 22.917(a); § 24.238(a)	Out of band emission, Band Edge	Compliance	
\$ 2.4055, \$ 22.255, \$ 24.225	Frequency stability vs. temperature	Compliance	
§ 2.1055; § 22.355; § 24.235	Frequency stability vs. voltage		

Note: Testing was performed by configuring EUT to maximum output power status, the declared output power class for different

Measurement Uncertainty

Emissions			
Test Item Description Uncertainty			
Band Edge and Radiated Spurious Emissions	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m)	+5.6dB/-4.5dB	
-	-	-	



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6. MEASUREMENTS, EXAMINATION AND DERIVED RESULTS

6.1 Maximum Permissible Exposure (MPE)

Test Result: Pass

The EUT is a mobile device, Please refer to MPE Evaluation Report: 15050058-FCC-H.



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6.2 RF Output Power

Temperature	22°C
Relative Humidity	58%
Atmospheric Pressure	1025mbar
Test date :	December 25, 2015
Tested By :	Winnie Zhang

Requirement(s):			
Spec	Item	Requirement	Applicable
§22.913 (a)	a)	ERP:38.45dBm	~
§24.232 (c)	b)	EIRP:33dBm	~
	c)	EIRP: 30dBm	>
Test Setup	EUT Base Station		
Test Procedure			d it was laced on the f 3 meters ler to identify st was



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_	
	- Remove the EUT and replace it with substitution antenna. A signal
	generator was connected to the substitution antenna by a non-
	radiating cable. The absolute levels of the spurious emissions
	were measured by the substitution.
	- Spurious emissions in dB = 10 log (TX power in Watts/0.001) –
	the absolute level
	- Spurious attenuation limit in dB = 43 + 10 Log10 (power out in
	Watts.
Remark	
Result	Pass
Test Data Yes	N/A
Test Plot Yes	(See below) N/A



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Conducted Power

GSM Mode:

	Burst Average Power (dBm);							
Band		GSI	M850		PCS1900			
Channel	128	190	251	Tune up Power tolerant	512	661	810	Tune up Power tolerant
Frequency (MHz)	824.2	836.6	848.8	/	1850.2	1880	1909.8	I
GSM Voice (1 uplink),GMSK	32.08	32.08	32.07	32.5±1	29.21	29.22	29.21	29.5±1
GPRS Multi-Slot Class 8 (1 uplink),GMSK	32.07	32.05	32.07	32.5±1	29.09	29.14	28.91	29.5±1
GPRS Multi-Slot Class 10 (2 uplink) GMSK	31.98	31.99	31.93	32.5±1	29.02	29.1	28.91	29.5±1
GPRS Multi-Slot Class 12 (4 uplink) GMSK	29.59	29.61	29.73	29.5±1	28.85	28.96	28.88	29.5±1

Remark:

GPRS, CS1 coding scheme.

Multi-Slot Class 8 , Support Max 4 downlink, 1 uplink , 5 working link

Multi-Slot Class 10 , Support Max 4 downlink, 2 uplink , 5 working link

Multi-Slot Class 12, Support Max 4 downlink, 4 uplink, 5 working link

Note: Since GSM mode has higher power, so the test items below were not performed to GPRS mode.



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UMTS Mode:

ERP & EIRP

ERP for Cellular Band (Part 22H)

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization	Antenna Gain correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)
824.2	24.55	V	6.8	0.53	30.82	38.45
824.2	22.81	Н	6.8	0.53	29.08	38.45
836.6	24.57	V	6.8	0.53	30.84	38.45
836.6	22.86	Н	6.8	0.53	29.13	38.45
848.8	24.49	V	6.9	0.53	30.86	38.45
848.8	22.74	Н	6.9	0.53	29.11	38.45

EIRP for PCS Band (Part 24E)

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization	Antenna Gain correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)
1850.2	22.89	V	7.88	0.85	29.92	33
1850.2	21.22	Н	7.88	0.85	28.25	33
1880	22.93	V	7.88	0.85	29.96	33
1880	21.17	Н	7.88	0.85	28.20	33
1909.8	22.84	V	7.86	0.85	29.85	33
1909.8	21.29	Н	7.86	0.85	28.30	33

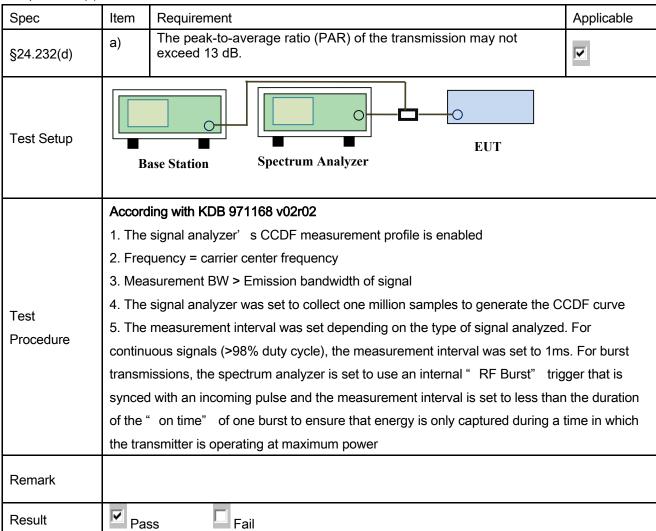


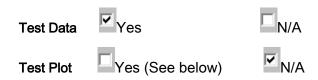
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6.3 Peak-Average Ratio

Temperature	22°C
Relative Humidity	58%
Atmospheric Pressure	1025mbar
Test date :	December 25, 2015
Tested By :	Winnie Zhang

Requirement(s):







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PCS1900

Frequency	Conducted power(dBm)		Peak-Average
(MHz)	Peak	Average	Ratio(PAR)
1850.2	29.94	29.21	0.73
1880	30.03	29.22	0.81
1909.8	30.02	29.21	0.81



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6.4 Occupied Bandwidth

Temperature	25°C
Relative Humidity	52%
Atmospheric Pressure	1028mbar
Test date :	December 28, 2015
Tested By:	Winnie Zhang

Requirement(s):

Spec	Item	Requirement	Applicable	
§2.1049,	a) 99% Occupied Bandwidth(kHz)		V	
§22.917,				
§22.905	b)	26 dB Bandwidth(kHz)	V	
§24.238			_	
Test Setup	B.	ase Station Spectrum Analyzer EUT		
	-	- The EUT was connected to Spectrum Analyzer and Base Station via		
Test		power divider.		
Procedure	-	The 99% and 26 dB occupied bandwidth (BW) of the mide	dle channel	
		for the highest RF powers.		
Remark				
Result	Pa	ass Fail		

Test Data

Yes

N/A

Test Plot

Yes (See below)



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Cellular Band (Part 22H) result

Channal	Frequency	99% Occupied	26 dB Bandwidth
Channel	(MHz)	Bandwidth (kHz)	(kHz)
128	824.2	298.96	406.7
190	836.6	297.13	420.5
251	848.8	300.22	418.1

PCS Band (Part 24E) result

Channal	Frequency	99% Occupied	26 dB Bandwidth
Channel	(MHz)	Bandwidth (kHz)	(kHz)
512	1850.2	290.74	360.7
661	1880.0	291.23	360.0
810	1909.8	288.95	361.0



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Test Plots





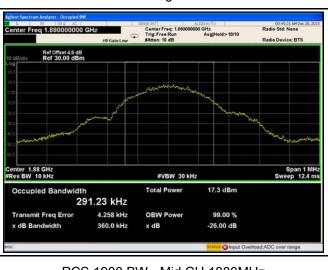
GSM 850 BW - Low CH 824.2MHz



GSM 850 BW - Mid CH 836.6MHz



GSM 850 BW - High CH 848.8MHz



PCS 1900 BW - Low CH 1850.2MHz



PCS 1900 BW - Mid CH 1880MHz

PCS 1900 BW - High CH 1909.8MHz



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6.6 Spurious Emissions at Antenna Terminals

Temperature	25°C
Relative Humidity	52%
Atmospheric Pressure	1028mbar
Test date :	December 28, 2015
Tested By :	Winnie Zhang

Requirement(s):

Spec	Item	Requirement	Applicable
§2.1051, §22.917(a)& §24.238(a)	a)	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	<
Test Setup		Base Station Spectrum Analyzer	
Test Procedure	-	The EUT was connected to Spectrum Analyzer and Base via power divider. The Band Edges of low and high channels for the highest powers were measured. Setting RBW as roughly BW/100.	
Remark			
Result	☑ Pa	ss Fail	

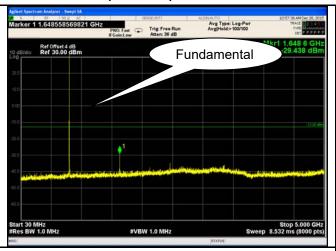
Test Data	Yes	□ _{N/A}
Test Plot	Yes (See below)	□ _{N/A}

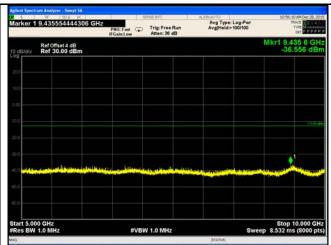


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Test Plots

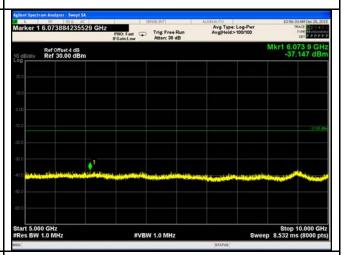
Cellular Band (Part 22H) result



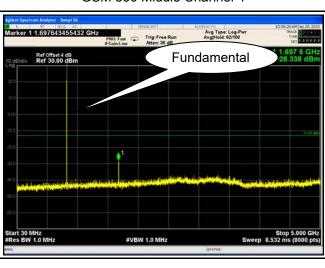


GSM 850 - Low Channel-1

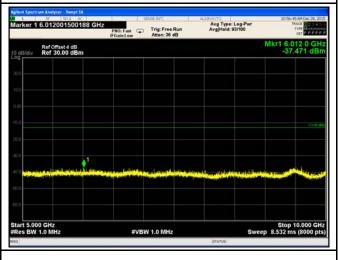
GSM 850 - Low Channel-2



GSM 850 Middle Channel-1



GSM 850 Middle Channel-2



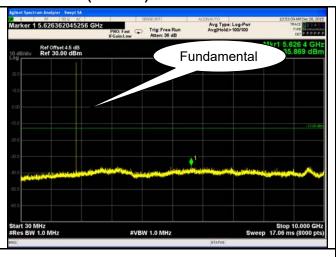
GSM 850 - High Channel-1

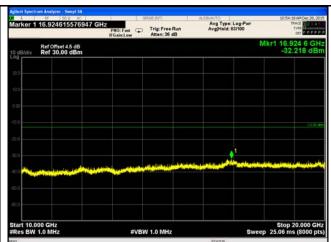
GSM 850 - High Channel-2



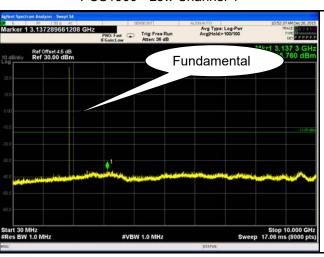
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PCS Band (Part24E) result





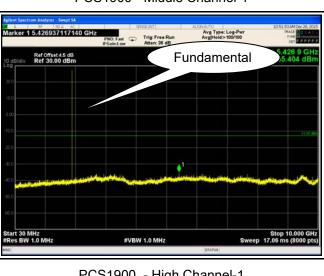
PCS1900 - Low Channel-1



PCS 1900 - Low Channel-2



PCS1900 - Middle Channel-1



PCS 1900 - Middle Channel-2



PCS1900 - High Channel-1

PCS 1900 - High Channel-2



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6.7 Spurious Radiated Emissions

Temperature	22°C
Relative Humidity	58%
Atmospheric Pressure	1025mbar
Test date :	December 25, 2015
Tested By:	Winnie Zhang

Requirement(s):

Spec	Item	Requirement	Applicable
§2.1053, §22.917 & §24.238	a)	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. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.	>
Test setup		Ant. Tower 1-4m Variable Support Units Ground Plane Test Receiver	
Test Procedure	 The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution. Sample Calculation: EUT Field Strength = Raw Amplitude (dBμV/m) – Amplifier Gain (dB) + Antenna Factor (dB) + Cable Loss (dB) + Filter Attenuation (dB, if used) 		



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Remark				
Result	Pass	☐ Fail		

Test Data
Yes
Yes
N/A
Test Plot
Yes (See below)
N/A

Cellular Band (Part 22H) result

Low channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
1648.4	-45.18	V	7.95	0.78	-38.01	-13	-25.01
1648.4	-45.32	Н	7.95	0.78	-38.15	-13	-25.15
158.6	-46.45	V	1.6	0.18	-45.03	-13	-32.03
323.1	-51.29	Н	6.3	0.26	-45.25	-13	-32.25

Middle channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
1673.2	-45.14	V	7.95	0.78	-37.97	-13	-24.97
1673.2	-45.28	Н	7.95	0.78	-38.11	-13	-25.11
158.7	-46.37	V	1.6	0.18	-44.95	-13	-31.95
323.4	-51.22	Н	6.3	0.26	-45.18	-13	-32.18

High channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Corre Loss Read		Limit (dBm)	Margin (dB)
1697.6	-45.21	V	7.95	0.78	-38.04	-13	-25.04
1697.6	-45.36	Η	7.95	0.78	-38.19	-13	-25.19
158.3	-46.49	V	1.6	0.18	-45.07	-13	-32.07
323.5	-51.22	Н	6.3	0.26	-45.18	-13	-32.18



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Note:

- 1, The testing has been conformed to 10*848.8MHz=8,488MHz
- 2, All other emissions more than 30 dB below the limit

PCS Band (Part24E) result

Low channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3700.4	-46.25	٧	10.25	2.73	-38.73	-13	-25.73
3700.4	-46.51	Н	10.25	2.73	-38.99	-13	-25.99
156.8	-46.63	٧	1.6	0.18	-45.21	-13	-32.21
324.5	-51.59	Н	6.3	0.26	-45.55	-13	-32.55

Middle channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3760	-46.31	V	10.25	2.73	-38.79	-13	-25.79
3760	-46.48	Н	10.25	2.73	-38.96	-13	-25.96
156.3	-46.52	V	1.6	0.18	-45.10	-13	-32.10
324.9	-51.73	Н	6.3	0.26	-45.69	-13	-32.69

High channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3819.6	-46.25	V	10.36	2.73	-38.62	-13	-25.62
3819.6	-46.59	Н	10.36	2.73	-38.96	-13	-25.96
156.5	-46.48	V	1.6	0.18	-45.06	-13	-32.06
324.1	-51.34	Н	6.3	0.26	-45.30	-13	-32.30

Note:

- 1, The testing has been conformed to 10*1909.8MHz=19,098MHz
- 2, All other emissions more than 30 dB below the limit



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6.8 Band Edge

Temperature	25°C
Relative Humidity	52%
Atmospheric Pressure	1028mbar
Test date :	December 28, 2015
Tested By :	Winnie Zhang

Requirement(s):

			1			
Spec	Item	Requirement	Applicable			
§22.917(a) §24.238(a)	a)	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.	>			
Test setup		Base Station Spectrum Analyzer EUT				
Procedure	- The EUT was connected to Spectrum Analyzer and Base Station via power divider The Band Edges of low and high channels for the highest RF powers were measured. Setting RBW as roughly BW/100.					
Remark						
Result	✓ Pa	ss Fail				

Test Data	Yes	□ _{N/A}
Test Plot	Yes (See below)	□ _{N/A}



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Cellular Band (Part 22H) result

Frequency (MHz)	Emission (dBm)	Limit (dBm)
823.988	-18.611	-13
849.023	-17.019	-13

PCS Band (Part24E) result

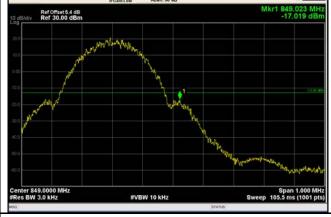
Frequency (MHz)	Emission (dBm)	Limit (dBm)
1849.995	-15.537	-13
1910.003	-16.006	-13



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Test Plots





Avg Type: Log-Pwr Avg(Held>100/100

Cellular Band - Low Channel

Cellular Band - High Channel

Note: Offset=Cable loss (4.0) + 10log

(4.07/3)=4.0+1.3=5.3 dB

Note: Offset=Cable loss (4.0) + 10log (4.18/3)=4.0+1.4=5.4 dB





PCS Band - Low Channel

PCS Band - High Channel

Note: Offset=Cable loss (4.5) + 10log

Note: Offset=Cable loss (4.5) + 10log

(3.61/3)=4.5+0.8=5.3dB

(3.61/3)=4.5+0.8=5.3 dB



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6.9 Frequency Stability

Temperature	22°C
Relative Humidity	58%
Atmospheric Pressure	1025mbar
Test date :	December 25, 2015
Tested By :	Winnie Zhang

Requirement(s):

Spec	Item	Requirement				Applicable
§2.1055, §22.355 & §24.235	a)	According to §22.3 the Public Mobile Stolerances given in Frequency Toleran Services Frequency Range (MHz) 25 to 50 50 to 450 450 to 512 821 to 896 928 to 29. 929 to 960. 2110 to 2220 According to §24.2	Base, fixed (ppm) 20.0 5.0 2.5 1.5 5.0 1.5 10.0	to be maintained wow. mitters in the Public Mobile ≤ 3 watts (ppm) 20.0 5.0 5.0 2.5 N/A N/A N/A	ithin the lic Mobile Mobile ≤ 3 watts (ppm) 50.0 50.0 50.0 2.5 N/A N/A N/A	V
		ensure that the fun frequency block.	damental en	nissions stay withi	n the authorized	
Test setup	Base Station EUT Thermal Chamber					



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	A communication link was established between EUT and base station. The
	frequency error was monitored and measured by base station under variation
Procedure	of ambient temperature and variation of primary supply voltage.
	Limit: The frequency stability of the transmitter shall be maintained within
	±0.00025% (±2.5ppm) of the center frequency.
Remark	
Result	Pass Fail

Test Data	Yes	□ _{N/A}
Test Plot	Yes (See below)	▽ N/A



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Cellular Band (Part 22H) result

	Middle Channel, f _o = 836.6 MHz				
Temperature (°C)	Power Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	
-10		20	0.0239	2.5	
0	3.7	18	0.0215	2.5	
10		16	0.0191	2.5	
20		14	0.0167	2.5	
30		16	0.0191	2.5	
40		18	0.0215	2.5	
50		19	0.0227	2.5	
55		21	0.0251	2.5	
0.5	4.2	22	0.0263	2.5	
25	3.5	24	0.0287	2.5	

PCS Band (Part 24E) result

. 30 200	1 (1 alt 2+2) 100alt				
	Middle Channel, f₀ = 1880 MHz				
Temperature (°C)	Power Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	
-10		28	0.0149	2.5	
0		22	0.0117	2.5	
10	3.7	19	0.0101	2.5	
20		15	0.0080	2.5	
30		16	0.0085	2.5	
40		17	0.0090	2.5	
50		19	0.0101	2.5	
55		20	0.0106	2.5	
)E	4.2	21	0.0112	2.5	
25	3.5	24	0.0128	2.5	



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Annex A. TEST INSTRUMENT

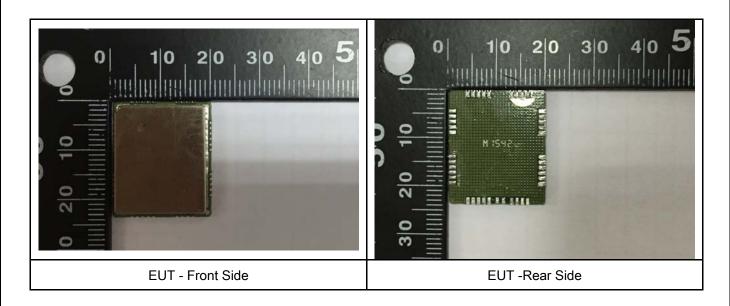
Instrument	Model	Serial #	Cal Date	Cal Due	In use	
RF Conducted Test	RF Conducted Test					
Agilent ESA-E SERIES SPECTRUM ANALYZER	E4407B	MY45108319	09/16/2015	09/15/2016	<u>\</u>	
Power Splitter	1#	1#	09/01/2015	08/31/2016	•	
Universal Radio Communication Tester	CMU200	121393	09/25/2015	09/24/2016	>	
Temperature/Humidity Chamber	UHL-270	001	10/09/2015	10/08/2016	Y	
DC Power Supply	E3640A	MY40004013	09/17/2015	09/16/2016	•	
Radiated Emissions						
EMI test receiver	ESL6	100262	09/17/2015	09/16/2016	•	
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	09/01/2015	08/31/2016	>	
Microwave						
Preamplifier	8449B	3008A02402	03/25/2015	03/24/2016	•	
(1 ~ 26.5GHz)						
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/21/2015	09/20/2016	•	
Bilog Antenna (30MHz~2GHz)	JB1	A112017	09/21/2015	09/20/2016	Y	
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71259	09/24/2015	09/23/2016	•	
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/24/2015	09/23/2016	(
SYNTHESIZED SIGNAL GENERATOR	8665B	3744A01293	09/17/2015	09/16/2016	Y	
Tunable Notch Filter	3NF- 800/1000-S	AA4	09/01/2015	08/31/2016	Y	
Tunable Notch Filter	3NF- 1000/2000-S	AM 4	09/01/2015	08/31/2016	V	



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Annex B. EUT And Test Setup Photographs

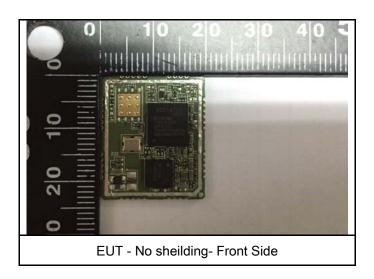
Annex B.i. Photograph: EUT External Photo





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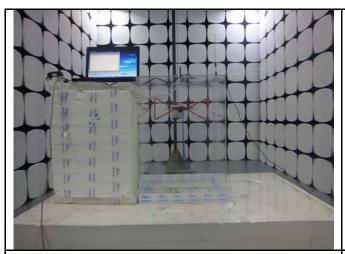
Annex B.ii. Photograph: EUT Internal Photo





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Annex B.iii. Photograph: Test Setup Photo



Radiated Spurious Emissions Test Setup Below 1GHz



Radiated Spurious Emissions Test Setup Above 1GHz

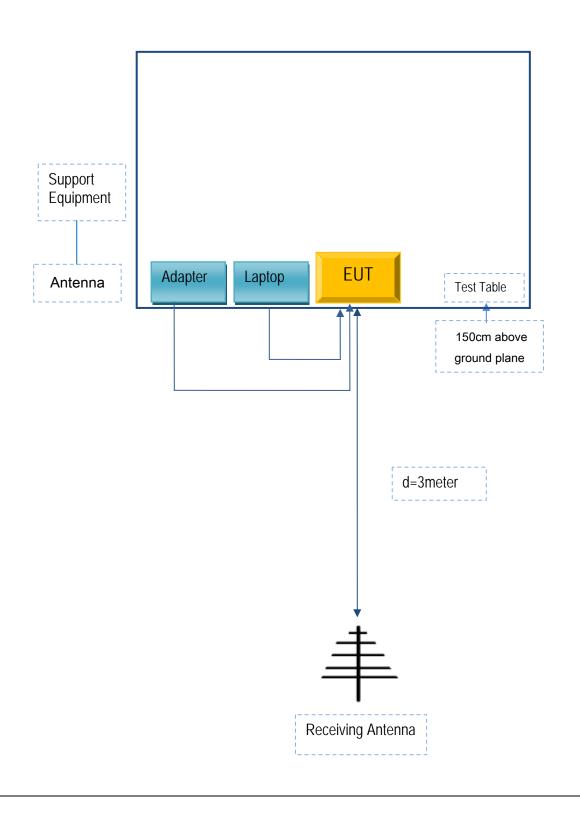


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Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

Block Configuration Diagram for Radiated Emissions





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Annex C. il. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

Supporting Equipment:

Manufacturer	Equipment Description	Model	Serial No
Lenovo	Laptop	E40	LR-1EHRX
JINGSAI	Adapter	JS-400K	DJ54112

Supporting Cable:

Cable type	Shield Type	Ferrite Core	Length	Serial No
USB to RS-282 Cable	Un-shielding	No	1.5m	ED120051444
Power Cable	Un-shielding	No	1m	EX156327554



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Annex C.ii. EUT OPERATING CONDITIONS

N/A



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Annex D. User Manual / Block Diagram / Schematics / Partlist

Please see attachment



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Annex E. DECLARATION OF SIMILARITY

N/A