

Global United Technology Services Co., Ltd.

Report No.: GTS201606000133E01

FCC Report (GSM&WCDMA)

Applicant: Distribuidora Sinn, S.A. de C.V.

Lago Zurich No.219 Piso 12, Colonia Ampliacion Granada, Del. **Address of Applicant:**

Miguel Hidalgo, Mexico City, Mexico

Equipment Under Test (EUT)

Product Name: 3G Smartphone

Model No.: R400

Trade mark: **RINNO**

FCC ID: 2AGTFR400

FCC CFR Title 47 Part 2: 2015 Applicable standards:

FCC CFR Title 47 Part22 Subpart H: 2015

FCC CFR Title 47 Part24 Subpart E: 2015

Date of sample receipt: June 13, 2016

Date of Test: June 14-22, 2016

Date of report issued: June 24, 2016

PASS * Test Result:

In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Robinson Lo Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the GTS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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2 Version

Version No.	Date	Description
00	June 24, 2016	Original

Prepared By:	Bolward. Par	Date:	June 24, 2016
	Project Engineer		
Check By:	Andy W	Date:	June 24, 2016



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4 Test Summary

Test Item	Section in CFR 47	Result
RF Exposure (SAR)	Part 1.1307 Part 2.1093	Pass* (Please refer to SAR Report)
RF Output Power	Part 2.1046 Part 22.913 (a)(2) Part 24.232 (c) Part 27.50 (d)(4)	Pass
Peak-to-Average Ratio	Part 2.1046 Part 24.232 (d)	Pass
Modulation Characteristics	Part 2.1047	Pass
99% & -26 dB Occupied Bandwidth	Part 2.1049 Part 22.917 Part 24.238 Part 27.53(a)	Pass
Spurious Emissions at Antenna Terminal	Part 2.1051 Part 22.917 (a) Part 24.238 (a) Part 27.53 (h)	Pass
Field Strength of Spurious Radiation	Part 2.1053 Part 22.917 (a) Part 24.238 (a) Part 27.53 (h)	Pass
Out of band emission, Band Edge	Part 22.917 (a) Part 24.238 (a) Part 27.53(h)	Pass
Frequency stability vs. temperature	Part 2.1055(a)(1)(b)	Pass
Frequency stability vs. voltage	Part 2.1055(d)(1)(2)	Pass

Pass: The EUT complies with the essential requirements in the standard.



5 General Information

5.1 Client Information

	Applicant:	Distribuidora Sinn, S.A. de C.V.				
	Address of Applicant:	Lago Zurich No.219 Piso 12, Colonia Ampliacion Granada, Del. Miguel Hidalgo, Mexico City, Mexico				
	Manufacturer:	ZTECH communication (shenzhen) Co.,Ltd				
Ī	Address of Manufacturer:	acturer: 7 floor. D block.ZHIGU .XIxiang,BAOAN District, ShenZhen, China, 518000				

5.2 General Description of EUT

Product Name:	3G Smartphone
Model No.:	R400
Support Networks:	GSM, GPRS, EGPRS, WCDMA
Support Bands:	GSM850, PCS1900, WCDMA Band V, WCDMA Band II
TX Frequency:	GSM850: 824.20MHz-848.80MHz
	PCS1900: 1850.20MHz-1909.80MHz
	WCDMA Band V: 826.40MHz -846.60MHz
	WCDMA Band II: 1852.40MHz -1907.60MHz
GPRS Class:	12
EGPRS Class	10
Modulation type:	GSM/GPRS: GMSK
	EGPRS: GMSK/8PSK
	WCDMA Band II/V: QPSK
Antenna type:	PIFA antenna
Antenna gain:	1.0dBi
Power supply:	Adapter Model No.: R400-A Input: AC 100-240V, 50/60Hz, 0.15A Output: DC 5.0V, 500mA or DC 3.7V 1400mAh Li-ion Battery

Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



Operation Frequency List:

GSM 850		PCS1900		WCDMA Band V		WCDMA Band II	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
128	824.20	512	1850.20	4132	826.40	9262	1852.40
129	824.40	513	1850.40	4133	826.60	9263	1852.60
• :	• :	• :	• :	• ;	• :	• :	• :
189	836.40	660	1879.80	4181	836.20	9399	1879.80
190	836.60	661	1880.00	4182	836.40	9400	1880.00
191	836.80	662	1880.20	4183	836.60	9401	1880.20
• :	• :	• :	• :	• ;	• :	• :	· :
250	848.60	809	1909.60	4232	846.40	9537	1907.40
251	848.80	810	1909.80	4233	846.60	9538	1907.60

Regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Final test channel:

GSM 850		PCS1900		WCDMA Band V		WCDMA Band II	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
128	824.20	512	1850.20	4132	826.40	9262	1852.40
190	836.60	661	1880.00	4183	836.60	9400	1880.00
251	848.80	810	1909.80	4233	846.60	9538	1907.60



5.3 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is filing to comply with Section Part 22 subpart H and Part 24 subpart E of the FCC CFR 47 Rules.

5.4 Test Methodology

Both conducted and radiated testing were performed according to the procedures document on TIA/EIA 603 and FCC CFR 47.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057

5.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• FCC —Registration No.: 600491

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 600491, June 28, 2013.

• Industry Canada (IC) —Registration No.: 9079A-2

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A-2, June 26, 2013.

5.6 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 301-309, 3/F., Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480 Fax: 0755-27798960

Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



6 Test Instruments list

	rest instruments list								
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)			
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	Mar. 26 2016	Mar. 25 2017			
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A			
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June 30 2015	June 29 2016			
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June 30 2015	June 29 2016			
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	June 26 2015	June 25 2016			
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 26 2016	Mar. 25 2017			
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A			
8	Coaxial Cable	GTS	N/A	GTS213	Mar. 27 2016	Mar. 26 2017			
9	Coaxial Cable	GTS	N/A	GTS211	Mar. 27 2016	Mar. 26 2017			
10	Coaxial cable	GTS	N/A	GTS210	Mar. 27 2016	Mar. 26 2017			
11	Coaxial Cable	GTS	N/A	GTS212	Mar. 27 2016	Mar. 26 2017			
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June 30 2015	June 29 2016			
13	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	June 30 2015	June 29 2016			
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June 26 2015	June 25 2016			
15	Band filter	Amindeon	82346	GTS219	Mar. 27 2016	Mar. 26 2017			
16	Universal radio communication tester	Rohde & Schwarz	CMU200	GTS235	May 07 2016	May 06 2017			
17	Signal Generator	Rohde & Schwarz	SML03	GTS236	May 07 2016	May 06 2017			
18	Temp. Humidity/ Barometer	Oregon Scientific	BA-888	GTS248	May 07 2016	May 06 2017			
19	D.C. Power Supply	Instek	PS-3030	GTS232	NA	NA			
20	Splitter	Agilent	11636B	GTS237	May 07 2016	May 06 2017			
21	Power meter	Rohde & Schwarz	NRVS	GTS238	May 07 2016	May 06 2017			
22	Spectrum Analyzer	Agilent	E4440A	GTS533	Dec. 03 2015	Dec. 02 2016			
23	Temp.&Humidity chamber	Chuang wei	GDS-225	GTS005-1	May 05 2016	May 04 2017			
24	Highpass filter	Micro-Tronics	HPM50108	GTS549	Mar. 27 2016	Mar. 26 2017			
25	Highpass filter	Micro-Tronics	HPM50111	GTS550	Mar. 27 2016	Mar. 26 2017			



7 System test configuration

7.1 Test mode

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Test modes									
Band	Radiated	Conducted							
GSM 850	■ GSM link	■ GSM link							
	■ GPRS 1 link	■ GPRS 1 link							
	■ EPRS 1 link	■ EGPRS 1 link							
PCS 1900	■ GSM link	■ GSM link							
	■ GPRS 1 link	■ GPRS 1 link							
	■ EGPRS 1 link	■ EGPRS 1 link							
WCDMA II	■ RMC 12.2Kbps link	■ RMC 12.2Kbps link							
WCDMA Band V	■ RMC 12.2Kbps link	■ RMC 12.2Kbps link							

Note: The maximum power levels are GSM mode for GMSK link, GPRS multi-slot class 8 mode for GMSK link, EGPRS multi-slot class 8 mode for 8PSK link, RMC12.2Kbps mode for WCDMA Band V/II. only these modes were used for all tests.

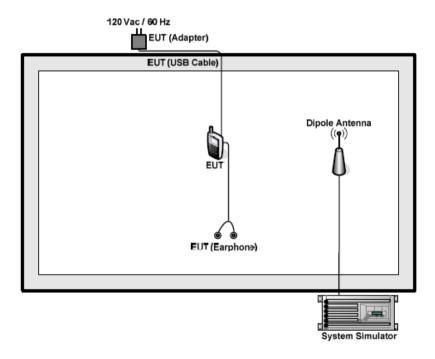
The conducted power tables are as follows:

Conducted Power (dBm)							
Band		GSM850			PCS1900		
Channel	128	190	251	512	661	810	
Frequency	824.20	836.60	848.80	1850.20	1880.00	1909.80	
GSM (GMSK, 1 TX slot)	32.46	32.58	32.51	28.78	28.67	28.65	
GPRS (GMSK, 1 TX slot)	32.45	32.56	32.51	28.72	28.68	28.64	
GPRS (GMSK, 2 TX slot)	31.51	31.52	31.46	27.62	27.59	27.56	
GPRS (GMSK, 3 TX slot)	30.53	30.45	30.43	26.64	26.46	26.55	
GPRS (GMSK, 4 TX slot)	29.45	29.38	29.56	25.65	25.58	25.43	
EGPRS (8PSK, 1 TX slot)	27.59	27.65	27.52	25.68	25.65	25.47	
EGPRS (8PSK, 2 TX slot)	26.55	26.57	26.53	24.57	24.54	24.35	



Conducted Power (dBm)							
Band	W	/CDMA Band	П	WCDMA Band V			
Channel	9262	9400	9538	4132	4183	4233	
Frequency	1852.4	1880.0	1907.6	826.4	836.6	846.6	
RMC 12.2Kbps	23.12	23.24	23.17	23.24	23.28	23.31	
HSDPA Subtest-1	22.24	22.35	22.21	22.36	22.43	22.38	
HSDPA Subtest-2	22.12	22.23	22.20	22.21	22.24	22.26	
HSDPA Subtest-3	22.04	22.08	22.10	22.14	22.15	22.18	
HSDPA Subtest-4	21.95	21.88	21.94	22.03	22.05	22.01	
HSUPA Subtest-1	22.25	22.31	22.24	22.35	22.28	22.30	
HSUPA Subtest-2	22.15	22.23	22.16	22.23	22.18	22.16	
HSUPA Subtest-3	22.03	22.09	22.05	22.11	22.06	22.08	
HSUPA Subtest-4	21.97	21.95	21.94	21.89	21.76	21.75	
HSUPA Subtest-5	21.85	21.83	21.79	21.72	21.69	21.67	
AMR	22.33	22.42	22.35	22.26	22.42	22.35	

7.2 Configuration of Tested System





7.3 Conducted Peak Output Power

Test Requirement:	FCC part22.913(a) and FCC part24.232(b) and FCC part 27.50			
Test Method:	FCC part2.1046			
Limit:	GSM850, WCDMA Band V: 7W			
	PCS1900, WCDMA Band II: 2W			
	WCDMA Band IV: 1W			
Test setup:	EUT Splitter Communication Tester Power meter			
	Note: Measurement setup for testing on Antenna connector			
Test Procedure:	The transmitter output port was connected to base station.			
	2. The RF output of EUT was connected to the power meter by RF cable and attenuator, the path loss was compensated to the results for each measurement.			
	3. Set EUT at maximum power through base station.			
	Select lowest, middle, and highest channels for each band and different modulation.			
	5. Measure the maximum burst average power.			
Test Instruments:	Refer to section 6.0 for details			
Test mode:	Refer to section 7.1 for details			
Test results:	Pass			



Measurement Data

EUT Mode	Channel	Frequency (MHz)	PK power (dBm)	Limit (dBm)	Result
GSM 850 (GSM link)	128	824.20	32.46		Pass
	190	836.60	32.58	38.45	
	251	848.80	32.51		
	128	824.20	32.45		Pass
GSM 850 (GPRS 1 link)	190	836.60	32.56	38.45	
(GI IXO I IIIIK)	251	848.80	32.51		
	128	824.20	27.59		Pass
GSM 850 (EGPRS 1 link)	190	836.60	27.65	38.45	
(EGFNS I IIIIK)	251	848.80	27.52		
	512	1850.20	28.78		Pass
PCS 1900 (GSM link)	661	1880.00	28.67	33.01	
(CONT IIIII)	810	1909.80	28.65		
500 4000	512	1850.20	28.72		
PCS 1900 (GPRS 1 link)	661	1880.00	28.68	33.01	Pass
	810	1909.80	28.64		
	512	1850.20	25.68		
PCS 1900 (EGPRS 1 link)	661	1880.00	25.65	33.01	Pass
(LGFKS Tillik)	810	1909.80	25.47		
WCDMA Band V (RMC 12.2Kbps link)	4132	826.40	23.24		
	4183	836.60	23.28	38.45	Pass
	4233	846.60	23.31		
WCDMA Band II (RMC 12.2Kbps link)	9262	1852.4	23.12		
	9400	1880.0	23.24	33.01	Pass
	9538	1907.6	23.17		



7.4 Peak-to-Average Ratio

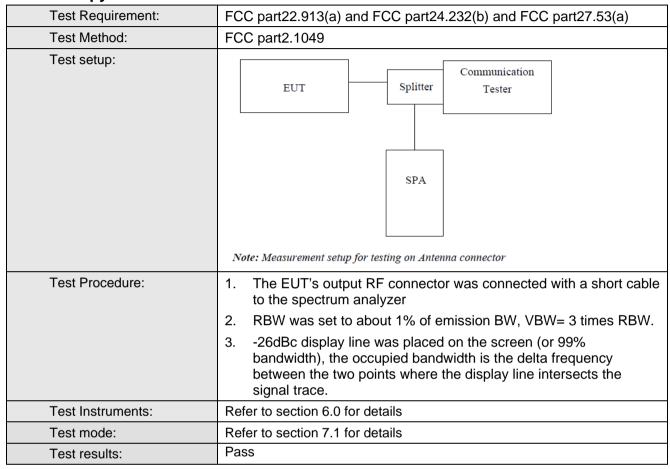
Test Requirement:	FCC part24.232(d)			
Test Method:	FCC part2.1046			
Limit:	13db			
Test setup:	EUT Splitter Communication Tester			
	Power meter Note: Measurement setup for testing on Antenna connector			
Test Procedure:	 The transmitter output port was connected to base station. The RF output of EUT was connected to the power meter by RF cable and attenuator, the path loss was compensated to the results for each measurement. Set EUT at maximum power through base station. Select lowest, middle, and highest channels for each band and different modulation. Measure the maximum burst average power. Record the maximum peak-to-average ratio value. 			
Test Instruments:	Refer to section 6.0 for details			
Test mode:	Refer to section 7.1 for details			
Test results:	Pass			



Test mode	Peak to Average Ratio (dB)			Limit	Result
	Low Ch.	Middle Ch.	High Ch.	(dB)	
WCDMA	5.06	4.91	4.87	13	PASS
GSM	0.73	0.81	0.89	13	PASS
EDGE	0.58	0.54	0.64	13	PASS



7.5 Occupy Bandwidth





Measurement Data

EUT Mode	Channel	Frequency (MHz)	99% Occupy bandwidth (KHz)	-26dB bandwidth (KHz)
GSM 850 (GSM link)	128	824.20	243.930	309.634
	190	836.60	241.944	314.092
(SOM mint)	251	848.80	243.890	315.698
0011050	128	824.20	248.911	314.895
GSM 850 (GPRS 1 link)	190	836.60	245.740	319.971
(Of NO 1 mint)	251	848.80	248.901	322.164
0011050	128	824.20	244.525	319.412
GSM 850 (EGPRS 1 link)	190	836.60	244.932	321.198
(LOT NO T MIN)	251	848.80	245.690	322.337
	512	1850.20	242.328	311.128
PCS 1900 (GSM link)	661	1880.00	244.390	312.062
(GOW IIIIK)	810	1909.80	249.769	313.984
D00 4000	512	1850.20	246.210	321.210
PCS 1900 (GPRS 1 link)	661	1880.00	243.567	315.821
(Or NO 1 mint)	810	1909.80	243.663	311.303
	512	1850.20	247.308	321.750
PCS 1900 (EGPRS 1 link)	661	1880.00	247.936	320.962
(LOFINO Filling)	810	1909.80	247.303	316.544
	4132	826.40	4153.10	4679.00
WCDMA Band V (RMC 12.2Kbps link)	4183	836.60	4164.20	4665.00
(Tano 12.21topo mint)	4233	846.60	4141.60	4687.00
	9262	1852.4	4147.50	4701.00
WCDMA Band II (RMC 12.2Kbps link)	9400	1880.0	4154.50	4730.00
(.tivo 12.21topo iiint)	9538	1907.6	4152.10	4725.00

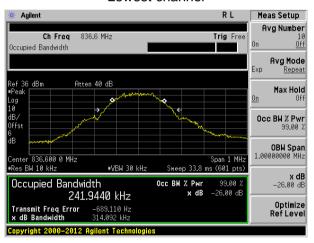
Test plot as follows:



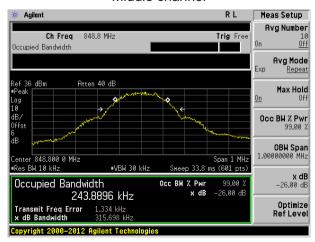
Test band: GSM 850 (GSM link)



Lowest channel



Middle channel

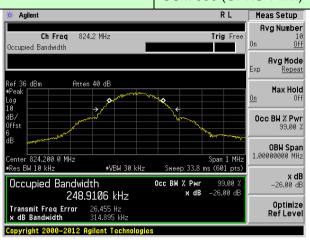


Highest channel

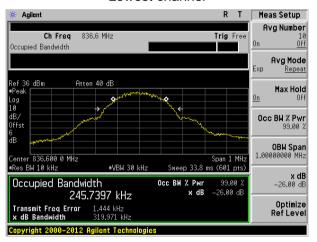


Test band:

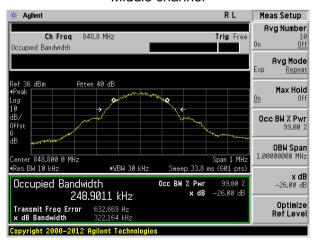
GSM 850 (GPRS 1 link)



Lowest channel



Middle channel

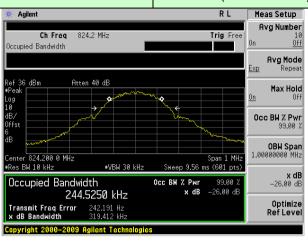


Highest channel

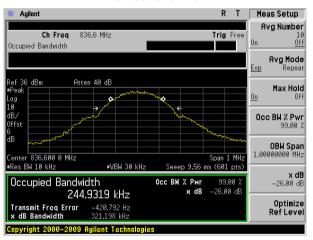


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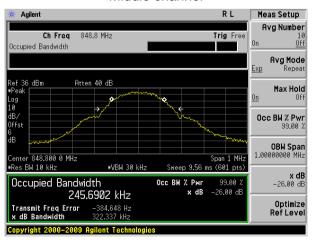
GSM 850 (EGPRS 1 link)



Lowest channel



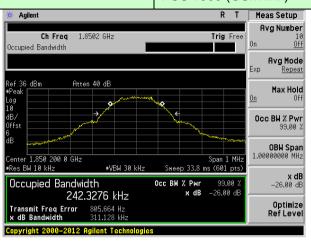
Middle channel



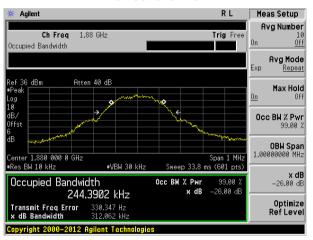
Highest channel



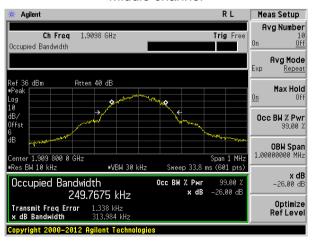
Test band: PCS 1900 (GSM link)



Lowest channel



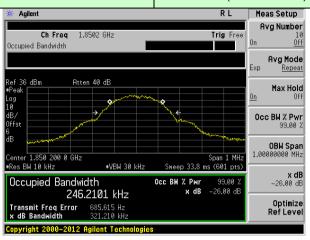
Middle channel



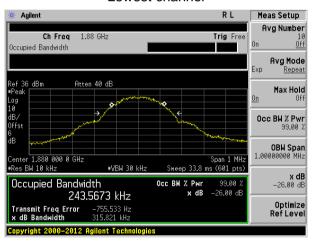
Highest channel



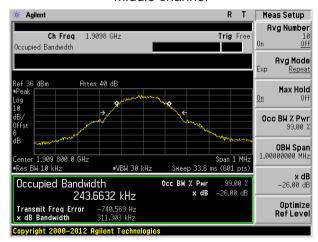
Test band: PCS 1900 (GPRS 1 link)



Lowest channel



Middle channel

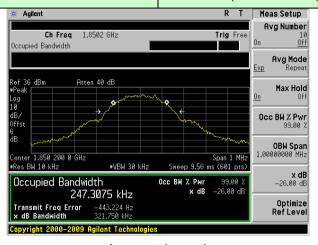


Highest channel

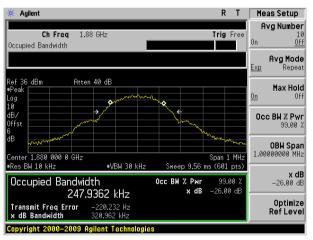


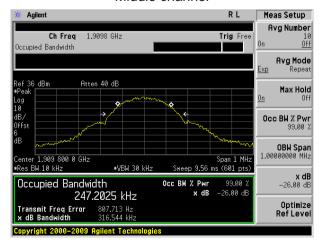
Test band:

PCS 1900 (EGPRS 1 link)



Lowest channel



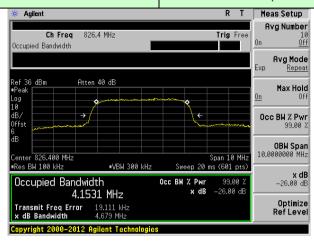


Highest channel

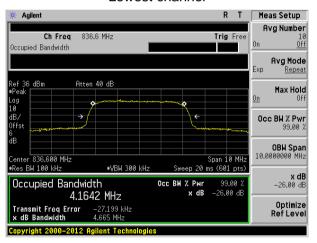


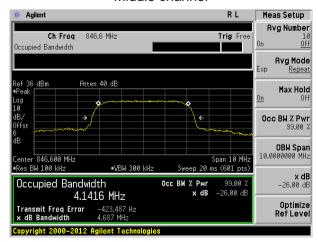
Test band:

WCDMA Band V (RMC 12.2Kbps link)



Lowest channel



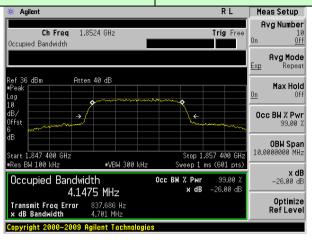


Highest channel

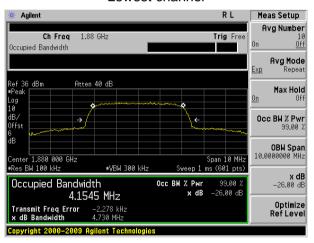


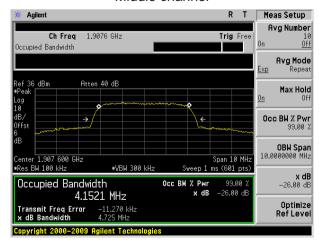
Test band:

WCDMA Band II (RMC 12.2Kbps link)



Lowest channel





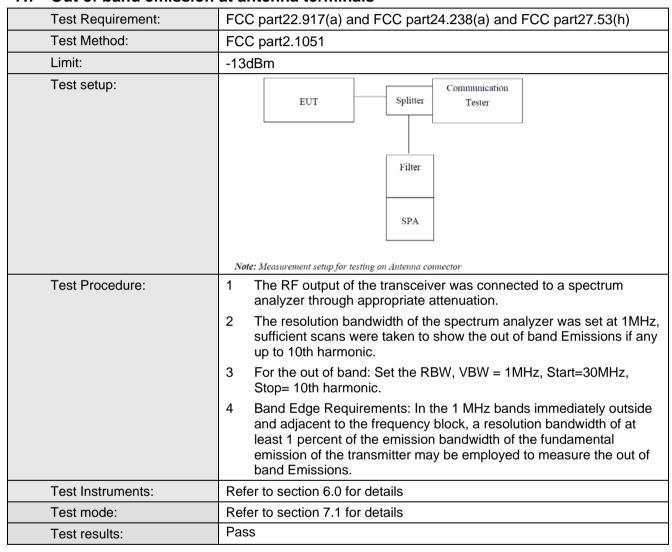
Highest channel



7.6 MODULATION CHARACTERISTIC

According to FCC § 2.1047(d), Part 22H & 24E there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

7.7 Out of band emission at antenna terminals

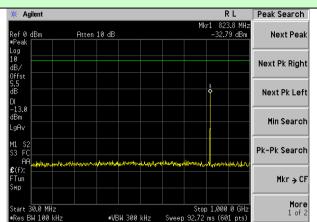


Test plot as follows:

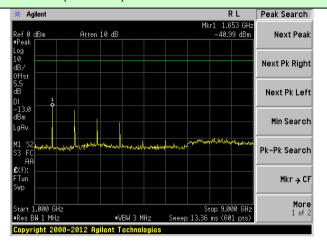
Note: During the conducted spurious emission test, a band filter was used. The information of the filter is reported at section 6.0 (refer to item 24, 25).



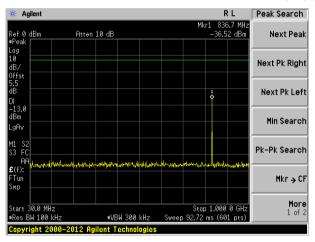
Test Mode: Traffic mode

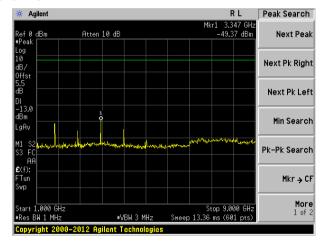


GSM 850 (GSM link)

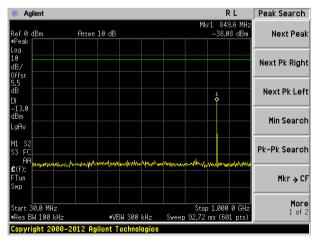


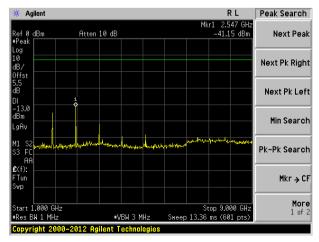
Lowest channel





Middle channel

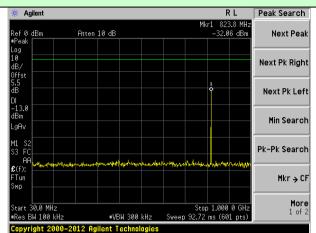




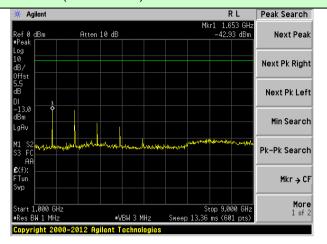
Highest channel



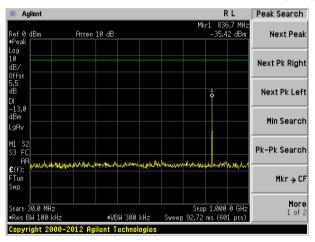
Test Mode: Traffic mode

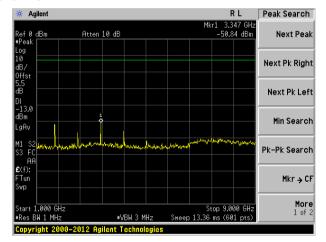


GSM 850 (GPRS 1 link)

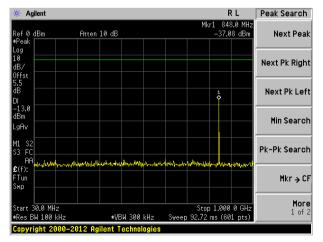


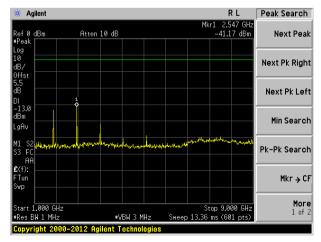
Lowest channel





Middle channel



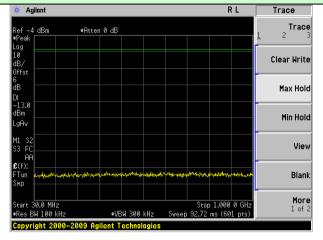


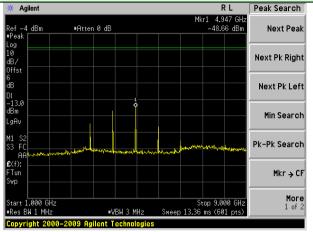
Highest channel



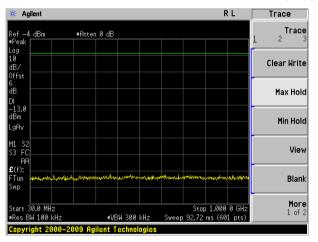
Test Mode: Traffic mode

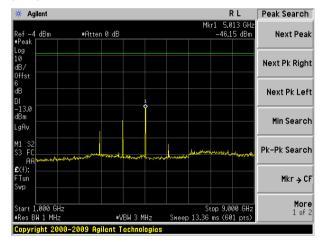


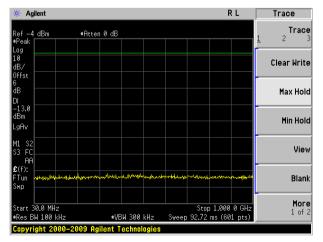


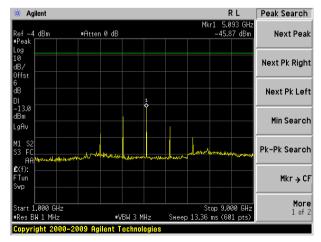


Lowest channel





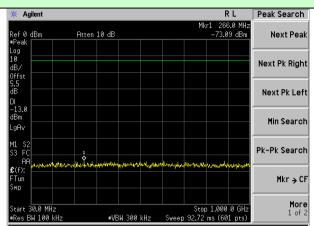




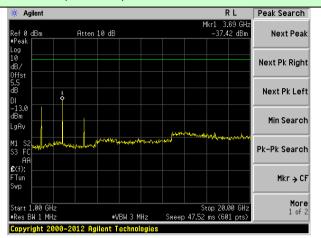
Highest channel



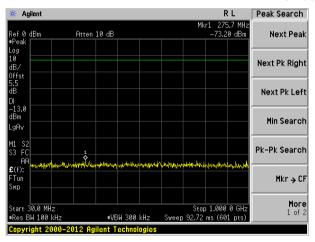
Test Mode: Traffic mode

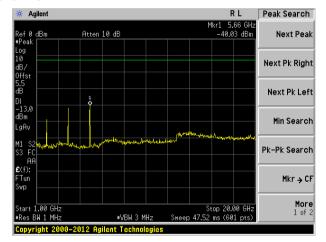


PCS1900 (GSM link)

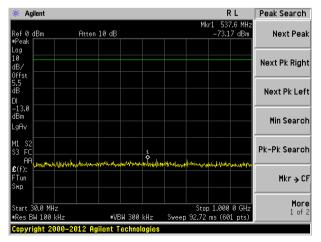


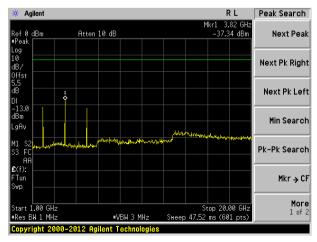
Lowest channel





Middle channel





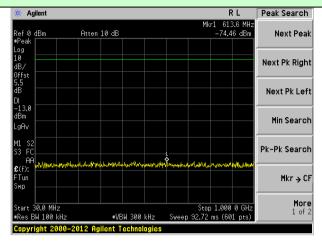
Highest channel

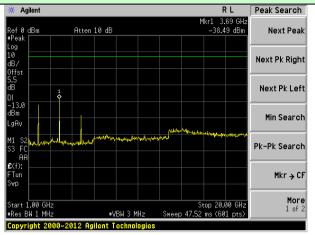
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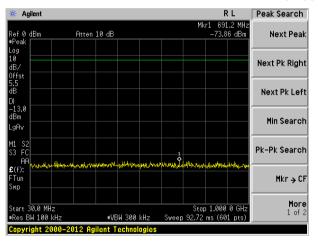
Test Mode: Traffic mode

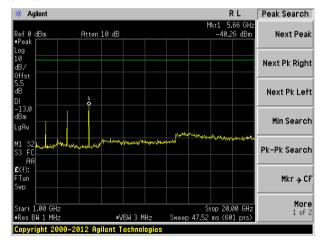
PCS1900 (GPRS 1 link)



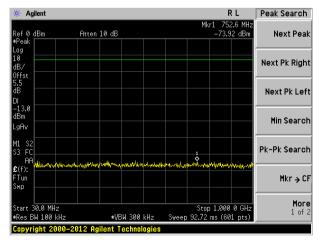


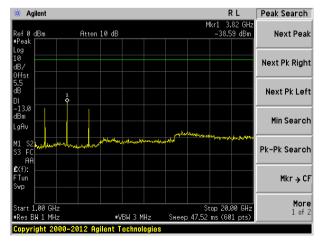
Lowest channel





Middle channel

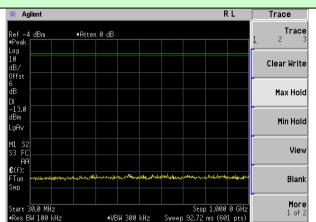




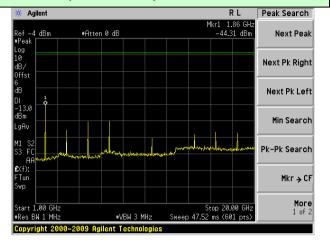
Highest channel



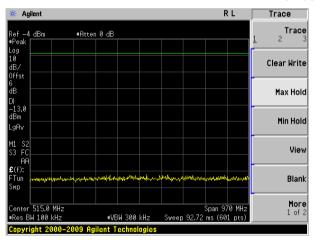
Test Mode: Traffic mode

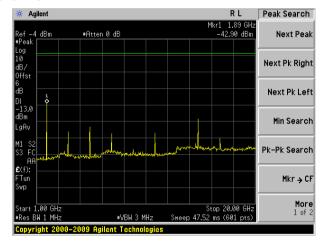


PCS1900 (EGPRS 1 link)

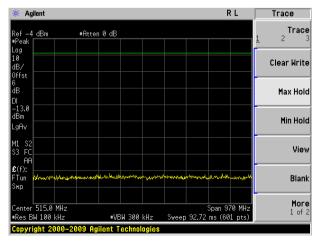


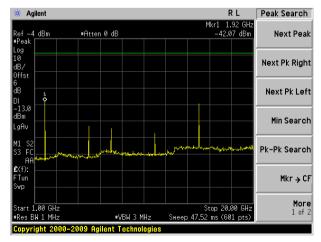
Lowest channel





Middle channel



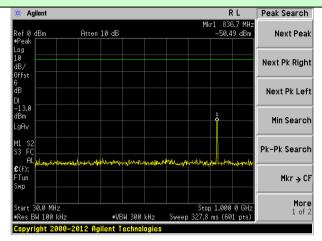


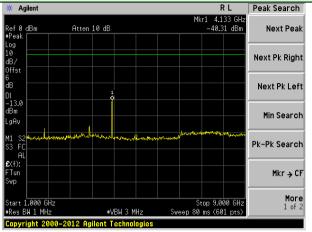
Highest channel



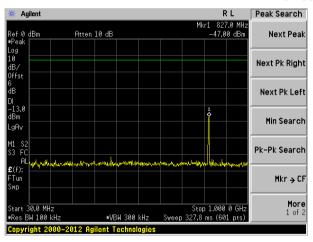
Test Mode: Traffic mode

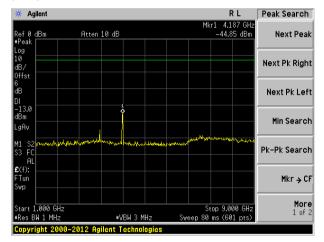




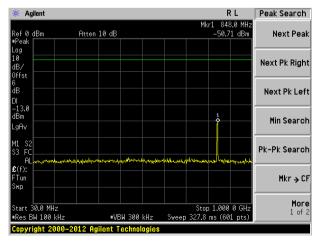


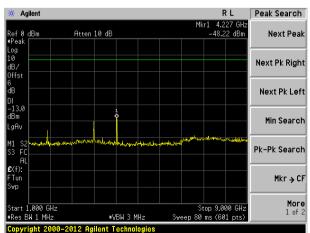
Lowest channel





Middle channel



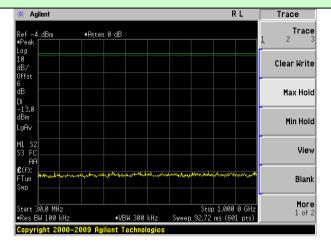


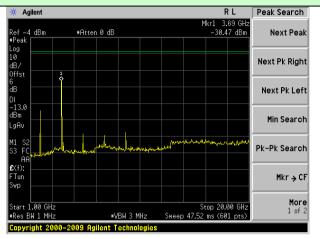
Highest channel



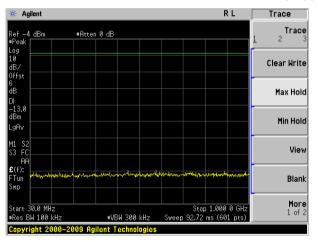
Test Mode: Traffic mode

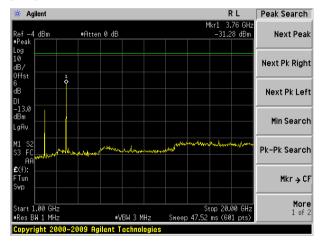
WCDMA Band II (RMC 12.2Kbps link)



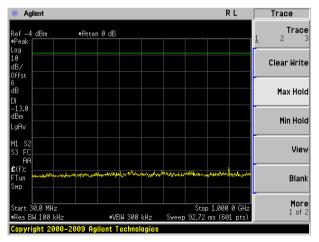


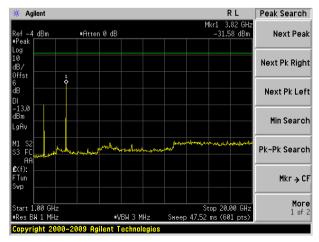
Lowest channel





Middle channel

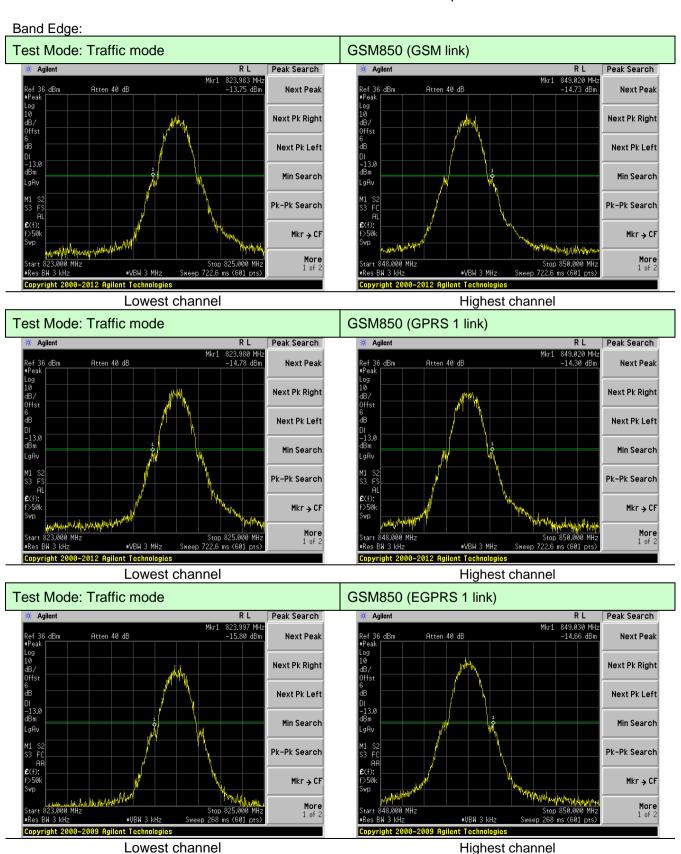




Highest channel

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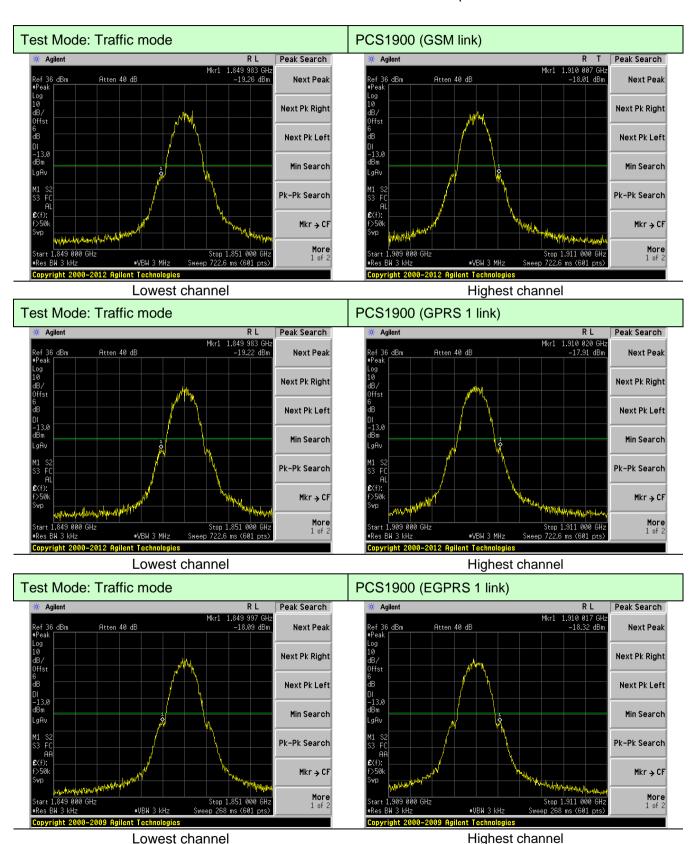


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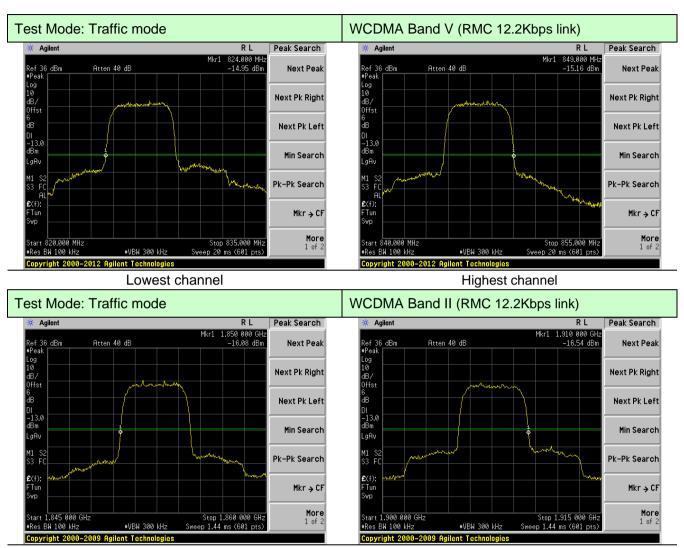


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Lowest channel Highest channel



7.8 ERP, EIRP Measurement

1.0 ERP, EIRP WiedSureine	IRP MedSurement						
Test Requirement:	FCC part22.913(a) and FCC part24.232(b) and FCC part27.50						
Test Method:	FCC part2.1046						
Limit:	GSM850, WCDMA Band V: 7W						
	PCS1900, WCDMA Band II: 2W						
	WCDMA Band IV: 1W						
Test setup:	Below 1GHz Antenna Tower Search Antenna RF Test Receiver Ground Plane						
	Above 1GHz						
	Antenna Tower Horn Antenna Spectrum Analyzer Amplifier						
	Substituted method:						
	Ground plane d: distance in meters d:3 meter I m S.G. Substituted Dipole or Horn Antenna Bi-Log Antenna or Horn Antenna						



Test Procedure:	The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.
	2. During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated.
	3. ERP in frequency band 824.2 –848.80.8MHz were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated asfollows:
	ERP = S.G. output (dBm) + Antenna Gain (dBd) - Cable Loss (dB)
	4. EIRP in frequency band 1850.2 –1909.8MHz were measured using a substitution method. The EUT was replaced by or horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows:
	EIRP = S.G. output (dBm) + Antenna Gain (dBi) - Cable Loss (dB)
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 7.1 for details
Test results:	Pass

Measurement Data

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EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
			V	32.36		
		Н	Н	29.30		
		F4	V	23.99	00.45	ſ
	Lowest	E1	Н	29.57	38.45	Pass
		F0	V	23.16		
		E2	Н	27.30		
		1.1	V	32.42		Pass
	Middle	Н	Н	29.39	38.45	
GSM850		E1	V	24.18		
(GSM link)			Н	29.80		
		E2	V	24.85		
			Н	27.91		
		Н	V	32.83		
		П	Н	29.13		
	Highoot	E1	V	24.12	20.45	Door
	Highest		Н	28.69	38.45	Pass
		E2	V	22.94		
		EZ	Н	28.37		



EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
		1.1	V	32.04		
		Н	Н	28.95		
		F4	V	23.62	00.45	
	Lowest	E1	Н	29.19	38.45	Pass
		F0	V	22.75		
		E2	Н	26.87		
		1.1	V	32.03		Pass
	Middle	Н	Н	28.95	38.45	
GSM850		E1	V	23.71		
(GPRS 1 link)			Н	29.31		
		F0	V	24.41		
		E2	Н	27.46		
		1.1	V	32.44		
		Н	Н	28.71		
	l l'abat		V	23.69	20.45	Dana
	Highest	E1	Н	28.24	38.45	Pass
		F0	V	22.58		
		E2	Н	27.99		



EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
			V	27.44		
		Н	Н	24.39		
	1	- 4	V	19.01	00.45	Davis
	Lowest	E1	Н	24.88	38.45	Pass
		F0.	V	18.36		
		E2	Н	22.75		
		Н	V	27.68		Pass
	Middle		Н	24.78	38.45	
GSM850		E1	V	19.54		
(EGPRS 1 link)			Н	25.46		
		E2	V	20.08		
		E2	Н	23.34		
		Н	V	27.89		
		П	Н	24.17		
	Llighoot	E1	V	19.11	20.45	Door
	Highest		Н	23.94	38.45	Pass
			V	17.52		
		E2	Н	23.24		



EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
		1.1	V	28.35		
		Н	Н	25.57		
	1	Ε4	V	20.79	00.04	Davis
	Lowest	E1	Н	25.77	33.01	Pass
		E2	V	19.98		
		EZ	Н	23.67		
		Н	V	28.36		Pass
	Middle	П	Н	25.57	33.01	
PCS1900		E1	V	20.87		
(GSM link)			Н	25.88		
		E2	V	21.52		
			Н	24.23		
		Н	V	28.83		
		П	Н	25.48		
	Lligh a at	⊑ 1	V	20.97	22.04	Pass
	Highest	E1	Н	25.03	33.01	Pass
			V	20.01		
		E2	Н	24.85	1	



EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
			V	27.86		
		Н	Н	25.04		
	I a sai	- 4	V	20.21	00.04	Davis
	Lowest	E1	Н	25.16	33.01	Pass
		F0.	V	19.33		
		E2	Н	22.97		
		н	V	27.73		Pass
	Middle		Н	24.85	33.01	
PCS1900		E1	V	20.09		
(GPRS 1 link)			Н	25.06		
		F0	V	20.80		
		E2	Н	23.47		
		Н	V	28.21		
		П	Н	24.81		
	Llighoot	E1	V	20.26	22.04	Door
	Highest	E1	Н	24.29	33.01	Pass
		F-0	V	19.45		
		E2	Н	24.25		



EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
			V	24.65		
		Н	Н	20.30		
		F4	V	14.52		
	Lowest	E1	Н	20.47	33.01	Pass
		F0	V	13.50		
		E2	Н	17.90		
			V	23.47		Pass
	Middle	H	Н	20.06	33.01	
PCS1900		E1	V	14.39		
(EGPRS 1 link)			Н	20.36		
		E2	V	15.20		
			Н	18.43		
		Ш	V	23.87		
		Н	Н	19.82		
	Highoot		V	14.38	22.04	Dese
	Highest	E1	Н	19.24	33.01	Pass
			V	13.33		
		E2	Н	19.11		



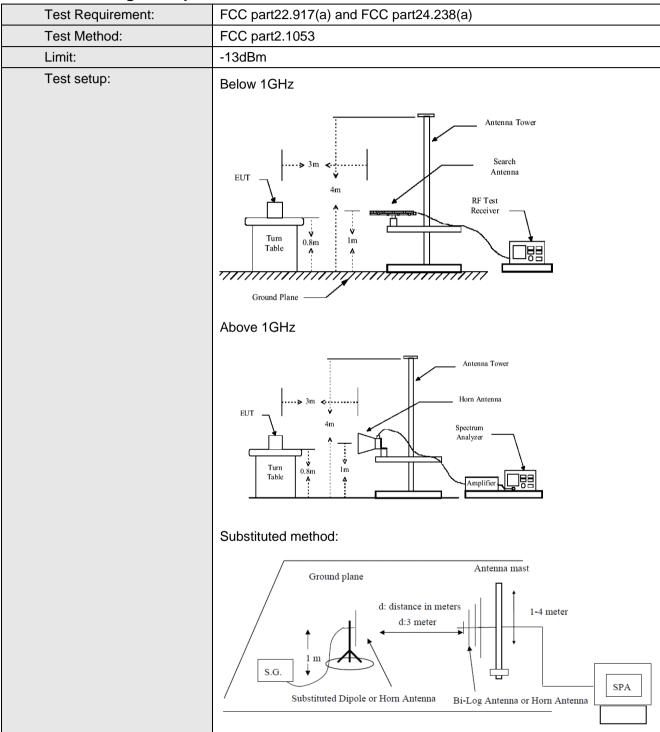
EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
			V	22.05		
		Н	Н	19.74		
		F4	V	15.98	00.45	1
	Lowest	E1	Н	19.19	38.45	Pass
		5 0	V	14.73		
		E2	Н	17.03		
		н	V	20.98		Pass
	Middle		Н	18.23	38.45	
WCDMA		E1	V	14.45		
Band V			Н	17.68		
		F0	V	15.41		
		E2	Н	17.01		
			V	19.94		
		Н	Н	17.21		
	I Palacet		V	13.64	00.45	Davis
	Highest	E1	Н	16.22	38.45	Pass
			V	14.15		
		E2	Н	17.26		



EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
		1.1	V	22.27		
		Н	Н	19.98		
		F4	V	16.25	00.04	
	Lowest	E1	Н	19.49	33.01	Pass
		F0	V	15.06		
		E2	Н	17.38		
		н	V	21.29		Pass
	Middle		Н	18.61	33.01	
WCDMA		E1	V	14.87		
Band II			Н	18.13		
		F0.	V	15.78		
		E2	Н	17.42		
		1.1	V	20.25		
		Н	Н	17.55		
	l link ont		V	14.01	22.04	Dana
	Highest	E1	Н	16.61	33.01	Pass
		Fo	V	14.42		
		E2	Н	17.56		



7.9 Field strength of spurious radiation measurement





Test Procedure:	 The EUT was placed on an non-conductive turntable using a non- conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.
	 During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.
	 The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.
	 The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.
	ERP / EIRP = S.G. output (dBm) + Antenna Gain(dB/dBi) -
	Cable Loss (dB)
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 7.1 for details
Test results:	Pass

Measurement Data



Test mode:	GSM850		Test channel:	Lowest	
[Spurious	Emission	Limit (dDm)	Danill	
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result	
1648.40	Vertical	-35.88			
2472.60	V	-38.62			
3296.80	V	-40.89	-13.00	Pass	
4121.00	V	-43.05			
4945.20	V				
1648.40	Horizontal	-41.13			
2472.60	Н	-45.00			
3296.80	Н	-46.57	-13.00	Pass	
4121.00	Н	-49.31			
4945.20	Н				
Test mode:	GS	M850	Test channel:	Middle	
[Spurious	Emission	Lineit (alDure)	Decult	
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result	
1673.20	Vertical	-37.26			
2509.80	V	-39.54			
3346.40	V	-41.43	-13.00	Pass	
4183.00	V	-43.24			
5019.60	V		1		
1673.20	Horizontal	-41.63			
2509.80	Н	-44.86		Pass	
3346.40	Н	-46.17	-13.00		
4183.00	Н	-48.45			
5019.60	Н		1		
Test mode:	GS	M850	Test channel:	Highest	
F (MIL)	Spurious	Emission	l: :(/ID)	D 1	
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result	
1697.60	Vertical	-37.50			
2546.40	V	-39.54			
3395.20	V	-41.21	-13.00	Pass	
4244.00	V	-42.82			
5092.80	V				
1697.60	Horizontal	-41.40			
2546.40	Н	-44.27			
3395.20	Н	-45.43	-13.00	Pass	
4244.00	Н	-47.46			
5092.80	Н]		

Remark:

- 1. The emission behaviour belongs to narrowband spurious emission.
- 2. Remark"---" means that the emission level is too low to be measured
- 3. The emission levels of below 1 GHz are very lower than the limit and not show in test report.



Test mode:	PCS	1900	Test channel:	Lowest
	Spurious	Emission	Lineit (dDne)	Danish
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result
3700.40	Vertical	-37.16		
5550.60	V	-39.53		
7400.80	V	-41.50	-13.00	Pass
9251.00	V	-43.39		
11101.20	V			
3700.40	Horizontal	-41.73		
5550.60	Н	-45.09		
7400.80	Н	-46.44	-13.00	Pass
9251.00	Н	-48.80		
11101.20	Н			
Test mode:	PCS	1900	Test channel:	Middle
Francisco (NALLE)	Spurious	Emission	Lineit (dDne)	Dooulk
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result
3760.00	Vertical	-34.95		
5640.00	V	-37.40		
7520.00	V	-39.42	-13.00	Pass
9400.00	V	-41.39		
11280.00	V			
3760.00	Horizontal	-39.66		
5640.00	Н	-43.13		Pass
7520.00	Н	-44.54	-13.00	
9400.00	Н	-46.98		
11280.00	Н			
Test mode:	PCS	1900	Test channel:	Highest
Frequency (MHz)	Spurious	Emission	Limit (dBm)	Result
rioquorioy (IVII IZ)	Polarization	Level (dBm)	Ellille (dDIII)	ROSUIT
3819.60	Vertical	-36.09		
5729.40	V	-38.46		
7639.20	V	-40.43	-13.00	Pass
9549.00	V	-42.33	_	
11458.80	V			
3819.60	Horizontal	-40.66		
5729.40	Н	-44.03	_	
7639.20	Н	-45.38	-13.00	Pass
9549.00	Н	-47.75	_	
11458.80	Н			

Remark:

- 1. The emission behaviour belongs to narrowband spurious emission.
- 2. Remark"---" means that the emission level is too low to be measured
- 3. The emission levels of below 1 GHz are very lower than the limit and not show in test report.



Test mode:	WCDM	A Band V	Test channel:	Lowest	
Francisco (MALIE)	Spurious	Emission	Lineit (dDne)	Danult	
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result	
1652.80	Vertical	-37.41			
2479.20	V	-41.15			
3305.60	V	-43.88	-13.00	Pass	
4132.00	V	-41.41			
4958.40	V				
1652.80	Horizontal	-40.21			
2479.20	Н	-42.90			
3305.60	Н	-48.31	-13.00	Pass	
4132.00	Н	-51.93			
4958.40	Н				
Test mode:	WCDM	A Band V	Test channel:	Middle	
- (1)	Spurious	Emission	1: ::/15)	D 16	
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result	
1672.80	Vertical	-39.43			
2509.20	V	-40.74			
3345.60	V	-44.36	-13.00	Pass	
4182.00	V	-46.83			
5018.40	V				
1672.80	Horizontal	-41.89			
2509.20	Н	-43.79		Pass	
3345.60	Н	-48.48	-13.00		
4182.00	Н	-50.87			
5018.40	Н				
Test mode:	WCDM	A Band V	Test channel:	Highest	
- (441)	Spurious	Emission	1: ::/15)	D #	
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result	
1693.20	Vertical	-37.93			
2539.80	V	-40.37			
3386.40	V	-42.99	-13.00	Pass	
4233.00	V	-45.89			
5079.60	V				
1693.20	Horizontal	-41.28			
2539.80	Н	-43.70			
3386.40	Н	-45.07	-13.00	Pass	
4233.00	Н	-51.26			
5079.60	Н				

Remark:

- 1. The emission behaviour belongs to narrowband spurious emission.
- 2. Remark"---" means that the emission level is too low to be measured
- 3. The emission levels of below 1 GHz are very lower than the limit and not show in test report.



Test mode:	WCDM	A Band II	Test channel:	Lowest	
5 (MIL)	Spurious	s Emission	1: '' (15)	D 1	
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result	
3704.46	Vertical	-38.79			
5556.86	V	-41.87			
7409.26	V	-44.42	-13.00	Pass	
9261.66	V	-46.87			
11114.40	V				
3704.46	Horizontal	-44.70			
5556.86	Н	-49.06			
7409.26	Н	-50.82	-13.00	Pass	
9261.66	Н	-53.89			
11114.40	Н				
Test mode:	WCDM	A Band II	Test channel:	Middle	
Гто от то от (MI I=)	Spurious	s Emission	Limit (dDm)	Dooult	
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result	
3759.83	Vertical	-39.55			
5639.83	V	-42.47			
7519.83	V	-44.88	-13.00	Pass	
9399.83	V	-47.21			
11280.00	V				
3759.83	Horizontal	-45.16			
5639.83	Н	-49.29			
7519.83	Н	-50.96	-13.00	Pass	
9399.83	Н	-53.86			
11280.00	Н				
Test mode:	WCDM	A Band II	Test channel:	Highest	
Frequency (MHz)	Spurious	s Emission	Limit (dBm)	Result	
Frequency (MHZ)	Polarization	Level (dBm)	LIIIII (UDIII)	Result	
3815.03	Vertical	-38.80			
5722.63	V	-41.52	_		
7630.23	V	-43.76	-13.00	Pass	
9537.83	V	-45.94	_		
11445.60	V				
3815.03	Horizontal	-44.02			
5722.63	Н	-47.88			
7630.23	Н	-49.43	-13.00	Pass	
9537.83	Н	-52.14			
11445.60	Н				

Remark:

- 1. The emission behaviour belongs to narrowband spurious emission.
- 2. Remark"---" means that the emission level is too low to be measured
- 3. The emission levels of below 1 GHz are very lower than the limit and not show in test report.



7.10 Frequency stability V.S. Temperature measurement

Test Requirement:	FCC Part2.1055(a)(1)(b)
Test Method:	FCC Part2.1055(a)(1)(b)
Limit:	2.5ppm
Test setup:	Spectrum analyzer EUT Att. Variable Power Supply Note: Measurement setup for testing on Antenna connector
Test procedure:	 The equipment under test was connected to an external DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -20°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 7.1 for details
Test results:	Pass

Measurement Data



Reference	Frequency: GSM850	(GSM link) Mide	dle channel=190	0 channel=836.6I	ИНz
Power supplied	Temperature (°C)	Frequer	ncy error	Limit (ppm)	Result
(Vdc)	Temperature (C)	Hz	ppm	Limit (ppin)	Result
	-30	33	0.0400		
	-20	37	0.0443		
	-10	32	0.0386		
	0	28	0.0329		
3.70	10	31	0.0372	2.5	Pass
	20	28	0.0329		
	30	42	0.0500		
	40	38	0.0457		
	50	37	0.0443		
Reference I	requency: GSM850	(GPRS 1 link) Mi	ddle channel=1	90 channel=836.	6MHz
Power supplied	Tomporeture (%C)	Frequer	ncy error	Limit (nnm)	Dogult
(Vdc)	Temperature (°C)	Hz	ppm	Limit (ppm)	Result
	-30	28	0.0330		
	-20	30	0.0356		Pass
	-10	27	0.0317		
	0	24	0.0292		
3.70	10	25	0.0305	2.5	
	20	23	0.0279		
	30	35	0.0421		
	40	31	0.0369		
	50	30	0.0356		
Reference F	requency: GSM850 (EGPRS 1 link) M	iddle channel=1	190 channel=836	.6MHz
Power supplied	T(20)	Frequer	ncy error	1::(()	D !!
(Vdc)	Temperature (°C)	Hz	ppm	Limit (ppm)	Result
	-30	55	0.0653		
	-20	64	0.0763		
3.70	-10	53	0.0631		
	0	45	0.0542		
	10	51	0.0613	2.5	Pass
	20	44	0.0527		
	30	77	0.0924		
	40	67	0.0798		
			ł	⊣	

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Reference I	Frequency: PCS190	0 (GSM link) Mid	dle channel=661	channel=1880	MHz
5 " 1441)	T (00)	Frequer	icy error		5
Power supplied (Vdc)	Temperature (°C)	Hz	ppm		Result
	-30	23	0.0121		
	-20	29	0.0155		
	-10	23	0.0121		
	0	17	0.0093		
3.70	10	23	0.0121	2.5	Pass
	20	18	0.0098		
	30	37	0.0194		
	40	30	0.0160		
	50	28	0.0149		
Reference Fr	equency: PCS1900	(GPRS 1 link) M	iddle channel=66	61 channel=188	0MHz
Power supplied (Vdc)	Tomporature (°C)	Frequer	cy error		Result
Power supplied (vdc)	remperature (C)	Hz	ppm		Result
	-30	34	0.0179	2.5	
	-20	40	0.0213		
	-10	31	0.0166		
	0	25	0.0132		
3.70	10	32	0.0172		Pass
	20	25	0.0132		
	30	46	0.0247		
	40	37	0.0199		
	50	40	0.0213		
Reference Fre	equency: PCS1900	(EGPRS 1 link) M	liddle channel=6	61 channel=188	80MHz
Power supplied (Vdc)	Temperature (°C)	Frequer	cy error		Result
1 ower supplied (vde)	Temperature (0)	Hz	ppm		resuit
	-30	74	0.0396		
	-20	88	0.0470		
	-10	71	0.0379		
	0	58	0.0308		
3.70	10	72	0.0384	2.5	Pass
	20	60	0.0318		
	30	100	0.0530		
	40	83	0.0440		
	50	87	0.0463		



Refere	nce Frequency: WCD	MA Band V Middle	channel=4183 cha	annel=836.6MHz			
Dower aupplied (\/de)	Temperature (°C)	Frequer	ncy error	Limit (nnm)	Result		
Power supplied (Vdc)	remperature (C)	Hz	ppm	Limit (ppm)	Result		
	-30	35	0.0422				
	-20	49	0.0588				
	-10	55	0.0663				
	0	26	0.0317				
3.70	10	39	0.0467	2.5	Pass		
	20	43	0.0512				
	30	63	0.0753				
	40	59	0.0708				
	50	71	0.0844				
Refere	nce Frequency: WCDN	MA Band II Middle	channel=9400 cha	nnel=1880.0MHz			
Dower cumplied (\/de)	Tomporature (°C)	Frequency error		Temperature (°C) Frequency error Limit (p)		Limit (nnm)	Result
Power supplied (Vdc)	remperature (C)	Hz	ppm	Limit (ppm)	Result		
	-30	109	0.0579				
	-20	97	0.0514				
	-10	83	0.0443]			
	0	78	0.0414				
3.70	10	71	0.0378	2.5	Pass		
	20	62	0.0328				
	30	78	0.0414				
	40	87	0.0464				
	50	83	0.0443				



7.11 Frequency stability V.S. Voltage measurement

Test Requirement:	FCC Part2.1055(d)(1)(2)
Test Method:	FCC Part2.1055(d)(1)(2)
Limit:	2.5ppm
Test setup:	Temperature Chamber Spectrum analyzer EUT
	Att. Variable Power Supply
Test procedure:	Note: Measurement setup for testing on Antenna connector 1. Set chamber temperature to 25°C. Use a variable DC power
	source to power the EUT and set the voltage to rated voltage.
	Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.
	3. Reduce the input voltage to specified extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 7.1 for details
Test results:	Pass



Measurement Data

Measurement Data						
Reference Frequency: GSM850 (GSM link) Middle channel=190 channel=836.6MHz						
Temperature (°C)	Power supplied	Freque	Frequency error		Pocult	
remperature (C)	(Vdc)	Hz	ppm	Limit (ppm)	Result	
	4.25	20	0.0244			
25	3.7	23	0.0274	2.5	Pass	
	3.4	25	0.0304			
Reference	Frequency: GSM850	(GPRS 1 link) Mi	ddle channel=190	channel=836.6	MHz	
Temperature (°C)	Power supplied	Frequency error		Limit (ppm)	Result	
remperature (C)	(Vdc)	Hz	ppm	Lillit (ppill)	rtoour	
	4.25	23	0.0281			
25	3.7	15	0.0181	2.5	Pass	
	3.4	18	0.0214]		
Reference F	requency: GSM850	(EGPRS 1 link) M	liddle channel=19	0 channel=836.6	6MHz	
Temperature (°C)	Power supplied	Freque	ncy error	Limit (ppm)	Result	
remperature (C)	(Vdc)	Hz	ppm	Еппі (рріп)	Nesuit	
	4.25	33	0.0389			
25	3.7	38	0.0450	2.5	Pass	
	3.4	43	0.0510			



Reference	e Frequency: PCS19	00 (GSM link) Mic	Idle channel=661	channel=1880N	1Hz
Temperature (°C)	Power supplied	Frequency error		Limit (ppm)	Result
Tomporatoro (O)	(Vdc)	Hz	ppm	Little (ppiti)	rtodait
	4.25	13	0.0071		
25	3.7	20	0.0104	2.5	Pass
	3.4	20	0.0104		
Reference	Frequency: PCS1900) (GPRS 1 link) M	iddle channel=66	1 channel=1880	MHz
Temperature (°C)	Power supplied	Frequency error		Limit (ppm)	Result
remperature (C)	(Vdc)	Hz	ppm	Еши (ррш)	Result
	4.25	55	0.0292		
25	3.7	43	0.0227	2.5	Pass
	3.4	45	0.0240		
Reference F	requency: PCS1900	(EGPRS 1 link) N	/liddle channel=66	61 channel=1880	OMHz
Temperature (°C)	Power supplied	Frequency error		Limit (ppm)	Result
remperature (C)	(Vdc)	Hz	ppm	Limit (ppm)	Result
	4.25	75	0.0397		
25	3.7	85	0.0451	2.5	Pass
	3.4	85	0.0453		

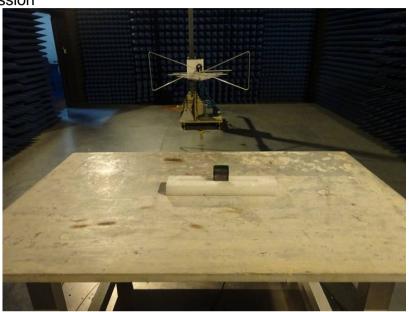


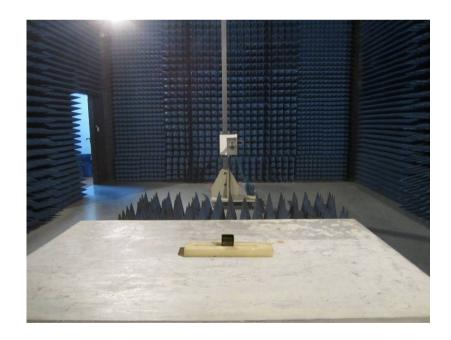
Ref	erence Frequency: WCD	MA Band V Middle	channel=4183 char	nnel=836.6MHz	
Temperature (℃)	Dower aupplied (\/de)	Freque	ncy error	Limit (ppm)	Result
remperature (C)	Power supplied (Vdc)	Hz	ppm		
	4.25	37	0.0440		
25	3.7	48	0.0570	2.5	Pass
	3.4	26	0.0309]	
Ref	erence Frequency: WCD	MA Band II Middle	channel=940 chanr	nel=1880.0MHz	
Temperature (°C)	Power supplied (Vdc)	Freque	ncy error	Limit (ppm)	Result
remperature (c)	Fower supplied (vdc)	Hz	ppm	штік (рріп)	Result
	4.25	46	0.0243		
25	3.7	37	0.0197	2.5	Pass
	3.4	42	0.0223		



8 Test Setup Photo

Radiated Emission







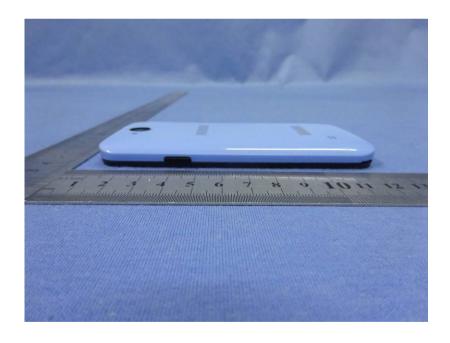
9 EUT Constructional Details









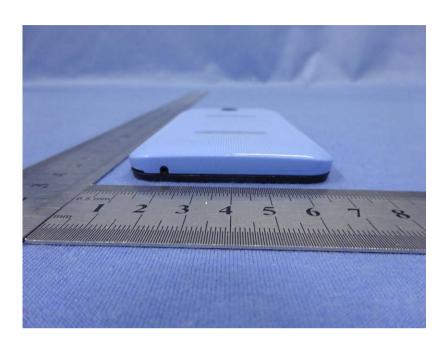










































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