RF TEST REPORT



Report No.: 17070226-FCC-R1
Supersede Report No.: N/A

Loren Lu	IO	David Huang		
Loven	Luo	David Huang		
Equipment did no	t comply with	n the specification		
Equipment compli	ied with the	specification		
Test Result	Pass Fail			
Issue Date	April 17, 20	April 17, 2017		
Test Date	March 28 to	o April 17, 2017		
Test Standard	FCC Part 2	2(H):2016 ;FCC Part 24(E):2	016; ANSI/TIA-603-D: 2010	
Serial No.	N/A			
Model No.	WX4 Pro			
Product Name	Mobile pho	Mobile phone		
Applicant	TECNO MOBILE LIMITED			

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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

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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
17070226-FCC-R1	NONE	Original	April 17, 2017

2. Customer information

Applicant Name	TECNO MOBILE LIMITED
Applicant Add	ROOMS 05-15, 13A/F., SOUTH TOWER, WORLD FINANCE CENTRE,
	HARBOUR CITY, 17 CANTON ROAD, TSIM SHA TSUI, KOWLOON, HONG
	KONG
Manufacturer	SHENZHEN TECNO TECHNOLOGY CO.,LTD.
Manufacturer Add	1-4th Floor,3rd Building,Pacific Industrial Park,No.2088,Shenyan Road,Yantian
	District,Shenzhen,Guangdong,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 of Radiated	Dedicted Fusioning December 12 Observes 200
Emission	Radiated Emission Program-To Shenzhen v2.0
Test Software of	E7 FMC(::en len 0244)
Conducted Emission	EZ-EMC(ver.lcp-03A1)



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4. Equipment under Test (EUT) Information

Description of EUT: Mobile phone

Main Model: WX4 Pro

Serial Model: N/A

Date EUT received: March 27, 2017

Test Date(s): March 28 to April 17, 2017

Equipment Category : PCE

GSM850: -0.2dBi PCS1900:1.7dBi

UMTS-FDD Band V: -0.2dBi
UMTS-FDD Band II:1.7dBi

LTE Band II:1.7dBi
Antenna Gain:

LTE Band IV:1.7dBi

LTE Band VII:2.5dBi

WIFI:2.0dBi

Bluetooth/BLE:2.0dBi

GPS: 1.7dBi

Antenna Type: PIFA antenna

GSM / GPRS: GMSK EGPRS: GMSK,8PSK UMTS-FDD: QPSK

Type of Modulation: LTE Band: QPSK, 16QAM

802.11b/g/n: DSSS, OFDM

Bluetooth: GFSK, π /4DQPSK, 8DPSK

BLE: GFSK GPS:BPSK



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

PCS1900 TX: 1850.2 ~ 1909.8 MHz; RX: 1930.2 ~ 1989.8 MHz

UMTS-FDD Band V TX: 826.4 ~ 846.6 MHz; RX: 871.4 ~ 891.6 MHz

UMTS-FDD Band II TX:1852.4 \sim 1907.6 MHz;

RX: 1932.4 ~ 1987.6 MHz

RF Operating Frequency (ies):

Number of Channels:

LTE Band II TX: 1850.7~ 1909.3 MHz; RX : 1930.7 ~ 1989.3 MHz LTE Band IV TX: 1710.7 ~ 1754.3 MHz; RX : 2110.7 ~ 2154.3 MHz LTE Band VII TX: 2502.5 ~ 2567.5 MHz; RX : 2622.5 ~ 2687.5 MHz

WIFI: 802.11b/g/n(20M): 2412-2462 MHz WIFI: 802.11n(40M): 2422-2452 MHz Bluetooth& BLE: 2402-2480 MHz

GPS: 1575.42 MHz

GSM 850: 124CH PCS1900: 299CH

UMTS-FDD Band V: 102CH
UMTS-FDD Band II: 277CH
WIFI:802.11b/g/n(20M): 11CH

WIFI:802.11n(40M): 7CH

Bluetooth: 79CH

BLE: 40CH GPS:1CH

GSM Vioce:GSM850: 32.79 dBm

PCS1900: 29.49 dBm

GPRS:GSM850: 32.68 dBm

PCS1900: 29.56 dBm

EGPRS(MCS1):GSM850: 32.71 dBm

PCS1900: 29.76 dBm

Maximum Conducted EGPRS(MCS5):GSM850: 27.07 dBm

AV Power to Antenna: PCS1900: 25.73 dBm

RMC:UMTS-FDD Band V: 23.50 dBm

UMTS-FDD Band II: 23.60 dBm

HSUPA:UMTS-FDD Band V: 22.51 dBm

UMTS-FDD Band II: 21.56 dBm

HSDPA:UMTS-FDD Band V: 22.65 dBm

UMTS-FDD Band II: 21.56 dBm



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GSM Vioce:GSM850: 30.44 dBm / ERP

PCS1900: 31.19 dBm / EIRP

GPRS:GSM850: 30.33 dBm / ERP

PCS1900: 31.26 dBm / EIRP

EGPRS(MCS5):GSM850: 24.72 dBm / ERP

PCS1900: 27.43 dBm / EIRP

ERP/EIRP: RMC:UMTS-FDD Band V: 21.15 dBm / ERP

UMTS-FDD Band II: 25.30 dBm / EIRP

HSDPA:UMTS-FDD Band V: 20.16 dBm / ERP

UMTS-FDD Band II: 23.26 dBm / EIRP

HSUPA:UMTS-FDD Band V: 20.30 dBm / ERP

UMTS-FDD Band II: 23.26 dBm / EIRP

Port: USB Port, Earphone Port

Adapter:

Model:A8-501000

Input: AC100-240V~50/60Hz,200mA

Output: DC 5.0V,1.0A

Input Power:

Battery:

Model:BL-28BT

Spec:3.85V,10.78Wh,2800mAh Limited charge voltage:4.4V

Trade Name: **TECNO**

GPRS/ EGPRS Multi-slot class 8/10/12

2ADYY-WX4PRO FCC ID:



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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);	DE Output Dawer	Camplianas	
§ 27.50(c.10);	RF Output Power	Compliance	
§ 24.232 (d) ;	Peak-Average Ratio	Compliance	
§ 2.1049; § 22.905; § 22.917;	000/ 9, 26 dB Occupied Bandwidth	Oli	
§ 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 Strongth of Spurious Rediction	Compliance	
§ 24.238(a);	Field Strength of Spurious Radiation	Compliance	
§ 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

Parameter	Uncertainty
AC Power Line Conducted Emissions (150kHz~30MHz)	±3.71dB
Radiated Emission(30MHz~1GHz)	±5.12dB
Radiated Emission(1GHz~6GHz)	±5.34dB



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6. MEASUREMENTS, EXAMINATION AND DERIVED RESULTS

6.1 RF Exposure (SAR)

Test Result: Pass

The EUT is a portable device, thus requires SAR evaluation;

Please refer to RF Exposure Evaluation Report: 17070226-FCC-H.



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6.2 RF Output Power

Temperature	25°C
Relative Humidity	55%
Atmospheric Pressure	1012mbar
Test date :	April 11, 2017
Tested By :	Loren Luo

Requirement(s):

Requirement(s):			,					
Spec	Item	Item Requirement A						
§22.913 (a)	a)	ERP:38.45dBm						
§24.232 (c)	b)	EIRP:33dBm						
Test Setup		Base Station EUT						
Test Procedure	- - - F	The transmitter output port was connected to base state Set EUT at maximum power through base station. Select lowest, middle, and highest channels for each to different test mode. For ERP/EIRP: According with KDB 971168 v02r02 The transmitter was placed on a wooden turntable, and transmitting into a non-radiating load which was also pleaturntable. The measurement antenna was placed at a distance of from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order the maximum level of emissions from the EUT. The test performed by placing the EUT on 3-orthogonal axis. The frequency range up to tenth harmonic of the fundating frequency was investigated.	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 of	
	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	GSM850				PCS1900			
Channel	128	190	251	Tune up Power tolerant	512	661	810	Tune up Power tolerant
Frequency (MHz)	824.2	836.6	848.8	1	1850.2	1880	1909.8	1
GSM Voice (1 uplink),GMSK	32.79	32.76	32.72	32±1	29.11	29.19	29.49	29±1
GPRS Multi-Slot Class 8 (1 uplink),GMSK	32.68	32.66	32.62	32±1	29.17	29.28	29.56	29±1
GPRS Multi-Slot Class 10 (2 uplink) GMSK	32.13	32.07	32.00	32±1	28.75	28.79	29.15	29±1
GPRS Multi-Slot Class 12 (4 uplink) GMSK	29.41	29.26	29.10	29±1	25.95	26.08	26.33	26±1
EGPRS Multi-Slot Class 8 (1 uplink) GMSK MCS1	32.71	32.65	32.61	32±1	29.50	29.56	29.76	29±1
EGPRS Multi-Slot Class 10 (2 uplink) GMSK MCS1	32.17	32.07	31.98	32±1	28.88	28.95	29.16	29±1
EGPRS Multi-Slot Class 12 (4 uplink) GMSK MCS1	29.4	29.27	29.11	29±1	26.05	26.17	26.43	26±1
EGPRS Multi-Slot Class 8 (1 uplink) 8PSK MCS5	27.07	26.94	26.84	27±1	25.56	25.73	25.68	25±1
EGPRS Multi-Slot Class 10 (2 uplink) 8PSK MCS5	25.84	25.69	25.61	25±1	25.13	24.84	24.73	25±1
EGPRS Multi-Slot Class 12 (4 uplink) 8PSK MCS5	22.78	22.71	22.55	22±1	21.45	21.26	21.28	21.3±1



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Remark:

GPRS, CS1 coding scheme.

EGPRS, MCS1 coding scheme.

EGPRS, MCS5 coding scheme.

 $\label{eq:multi-Slot} \textit{Class 8} \; , \; \textit{Support Max 4 downlink, 1 uplink } \; , \; 5 \; \textit{working link} \; \\$

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



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UMTS Mode:

UMTS-FDD Band V

Band/ Time Slot	Ohamad	F	Average power	Tune up
configuration	Channel	Frequency	(dBm)	Power tolerant
DMO	4132	826.4	23.42	23±1
RMC	4175	835	23.33	23±1
12.2kbps	4233	846.6	23.50	23±1
LICDDA	4132	826.4	22.45	23±1
HSDPA Subtest1	4175	835	22.45	23±1
Sublest i	4233	846.6	22.43	23±1
LICDDA	4132	826.4	22.41	23±1
HSDPA Subtest2	4175	835	22.45	23±1
Sublesiz	4233	846.6	22.46	23±1
LICDDA	4132	826.4	22.44	23±1
HSDPA Subtest3	4175	835	22.46	23±1
Sublests	4233	846.6	22.46	23±1
LICDDA	4132	826.4	22.41	23±1
HSDPA Subtest4	4175	835	22.45	23±1
Sublest4	4233	846.6	22.51	23±1
LICLIDA	4132	826.4	22.53	23±1
HSUPA Subtoat1	4175	835	22.62	23±1
Subtest1	4233	846.6	22.62	23±1
LICUIDA	4132	826.4	22.61	23±1
HSUPA	4175	835	22.63	23±1
Subtest2	4233	846.6	22.60	23±1
LIGUIDA	4132	826.4	22.60	23±1
HSUPA Subtest3	4175	835	22.63	23±1
Sublests	4233	846.6	22.61	23±1
LICUIDA	4132	826.4	22.65	23±1
HSUPA	4175	835	22.51	23±1
Subtest4	4233	846.6	22.53	23±1
1101:5:	4132	826.4	22.34	23±1
HSUPA	4175	835	22.42	23±1
Subtest5	4233	846.6	22.41	23±1



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UMTS-FDD Band II

Band/ Time Slot configuration	Channel	Frequency	Average power (dBm)	Tune up Power tolerant
RMC	9262	1852.4	22.87	23±1
12.2kbps	9400	1880	23.60	23±1
12.28005	9538	1907.6	21.36	23±1
HSDPA	9262	1852.4	21.56	22±1
Subtest1	9400	1880	21.45	22±1
Sublest I	9538	1907.6	21.55	22±1
HCDDA	9262	1852.4	21.54	22±1
HSDPA	9400	1880	21.56	22±1
Subtest2	9538	1907.6	21.53	22±1
HODDA	9262	1852.4	21.54	22±1
HSDPA	9400	1880	21.49	22±1
Subtest3	9538	1907.6	21.45	22±1
HODDA	9262	1852.4	21.46	22±1
HSDPA	9400	1880	21.44	22±1
Subtest4	9538	1907.6	21.45	22±1
HOURA	9262	1852.4	21.47	22±1
HSUPA	9400	1880	21.45	22±1
Subtest1	9538	1907.6	21.46	22±1
1101154	9262	1852.4	21.40	22±1
HSUPA	9400	1880	21.43	22±1
Subtest2	9538	1907.6	21.49	22±1
HOUDA	9262	1852.4	21.48	22±1
HSUPA	9400	1880	21.48	22±1
Subtest3	9538	1907.6	21.29	22±1
LIQUIDA	9262	1852.4	21.26	22±1
HSUPA	9400	1880	21.56	22±1
Subtest4	9538	1907.6	21.45	22±1
LIOUBA	9262	1852.4	21.56	22±1
HSUPA	9400	1880	21.45	22±1
Subtest5	9538	1907.6	21.36	22±1



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ERP & EIRP

GSM Voice

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	24.17	V	6.8	0.53	30.44	38.45
824.2	22.96	Н	6.8	0.53	29.23	38.45
836.6	24.14	V	6.8	0.53	30.41	38.45
836.6	23.01	Н	6.8	0.53	29.28	38.45
848.8	24	V	6.9	0.53	30.37	38.45
848.8	22.78	Н	6.9	0.53	29.15	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	23.3	V	7.88	0.85	30.81	33
1850.2	22.19	Н	7.88	0.85	29.45	33
1880	23.28	V	7.88	0.85	30.89	33
1880	22.17	Н	7.88	0.85	29.58	33
1909.8	23.26	V	7.86	0.85	31.19	33
1909.8	22.13	Н	7.86	0.85	29.94	33



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GPRS:

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	24.06	V	6.8	0.53	30.33	38.45
824.2	22.95	Н	6.8	0.53	29.22	38.45
836.6	24.04	V	6.8	0.53	30.31	38.45
836.6	22.93	Н	6.8	0.53	29.20	38.45
848.8	23.9	V	6.9	0.53	30.27	38.45
848.8	22.77	Н	6.9	0.53	29.14	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	23.84	V	7.88	0.85	30.87	33
1850.2	22.59	Н	7.88	0.85	29.62	33
1880	23.95	V	7.88	0.85	30.98	33
1880	22.82	Н	7.88	0.85	29.85	33
1909.8	24.25	V	7.86	0.85	31.26	33
1909.8	23.06	Н	7.86	0.85	30.07	33



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EGPRS (MCS5):

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	18.45	V	6.8	0.53	24.72	38.45
824.2	17.26	Н	6.8	0.53	23.53	38.45
836.6	18.32	V	6.8	0.53	24.59	38.45
836.6	17.20	Н	6.8	0.53	23.47	38.45
848.8	18.12	V	6.9	0.53	24.49	38.45
848.8	17.01	Н	6.9	0.53	23.38	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	20.23	V	7.88	0.85	27.26	33
1850.2	19.08	Н	7.88	0.85	26.11	33
1880	20.40	V	7.88	0.85	27.43	33
1880	19.33	Н	7.88	0.85	26.36	33
1909.8	20.37	V	7.86	0.85	27.38	33
1909.8	19.14	Н	7.86	0.85	26.15	33



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RMC

ERP for UMTS-FDD Band V (Part 22H)

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization	Antenna Gain correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)
826.4	14.8	V	6.8	0.53	21.07	38.45
826.4	13.75	Н	6.8	0.53	20.02	38.45
835	14.71	V	6.8	0.53	20.98	38.45
835	13.48	Н	6.8	0.53	19.75	38.45
846.6	14.78	V	6.9	0.53	21.15	38.45
846.6	13.74	Н	6.9	0.53	20.11	38.45

EIRP for UMTS-FDD Band II (Part 24E)

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization	Antenna Gain correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)
1852.4	17.54	V	7.88	0.85	24.57	33
1852.4	16.41	Н	7.88	0.85	23.44	33
1880	18.27	V	7.88	0.85	25.30	33
1880	17.12	Н	7.88	0.85	24.15	33
1907.6	16.96	V	7.86	0.85	23.97	33
1907.6	15.85	Н	7.86	0.85	22.86	33



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HSDPA

ERP for UMTS-FDD Band V (Part 22H)

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization	Antenna Gain correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)
826.4	13.83	V	6.8	0.53	20.10	38.45
826.4	12.77	Н	6.8	0.53	19.04	38.45
835	13.84	V	6.8	0.53	20.11	38.45
835	12.81	Н	6.8	0.53	19.08	38.45
846.6	13.79	V	6.9	0.53	20.16	38.45
846.6	12.73	Н	6.9	0.53	19.10	38.45

EIRP for UMTS-FDD Band II (Part 24E)

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization	Antenna Gain correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)
1852.4	16.23	V	7.88	0.85	23.26	33
1852.4	15.12	Н	7.88	0.85	22.15	33
1880	16.23	V	7.88	0.85	23.26	33
1880	15.06	Н	7.88	0.85	22.09	33
1907.6	16.24	V	7.86	0.85	23.25	33
1907.6	15.02	Н	7.86	0.85	22.03	33



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HSUPA

ERP for UMTS-FDD Band V (Part 22H)

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization	Antenna Gain correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)
826.4	14.03	V	6.8	0.53	20.30	38.45
826.4	12.91	Н	6.8	0.53	19.18	38.45
835	14.01	V	6.8	0.53	20.28	38.45
835	12.94	Н	6.8	0.53	19.21	38.45
846.6	13.9	V	6.9	0.53	20.27	38.45
846.6	12.77	Н	6.9	0.53	19.14	38.45

EIRP for UMTS-FDD Band II (Part 24E)

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization	Antenna Gain correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)
1852.4	16.23	V	7.88	0.85	23.26	33
1852.4	15.08	Н	7.88	0.85	22.11	33
1880	16.23	V	7.88	0.85	23.26	33
1880	15.02	Н	7.88	0.85	22.05	33
1907.6	16.18	V	7.86	0.85	23.19	33
1907.6	15.12	Н	7.86	0.85	22.13	33



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6.3 Peak-Average Ratio

Temperature	25°C
Relative Humidity	55%
Atmospheric Pressure	1012mbar
Test date :	April 11, 2017
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement Applicable	
§24.232(d)	a)	The peak-to-average ratio (PAR) of the transmission may not exceed 13dB.	V
Test Setup	B:	EUT Spectrum Analyzer	

According with KDB 971168 v02r02

5.7.2 Alternate procedure for PAPR

5.1.2 Peak power measurements with a peak power meter

The total peak output power may be measured using a broadband peak RF power meter. The power meter must have a video bandwidth that is greater than or equal to the emission bandwidth and utilize a fast-responding diode detector.

Test Procedure

5.2.3 Average power measurement with average power meter

As an alternative to the use of a spectrum/signal analyzer or EMI receiver to perform a measurement of the total in-band average output power, a wideband RF average power meter with a thermocouple detector or equivalent can be used under certain conditions

If the EUT can be configured to transmit continuously (i.e., the burst duty cycle ≥ 98%) and at all times the EUT is transmitting at is maximum output



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	power level, then a conventional wide-band RF power meter can be used.
	If the EUT cannot be configured to transmit continuously (i.e., the burst
	duty cycle < 98%), then there are two options for the use of an average
	power meter. First, a gated average power meter can be used to perform the
	measurement if the gating parameters can be adjusted such that the power is
	measured only over active transmission bursts at maximum output power
	levels. A conventional average power meter can also be used if the
	measured burst duty cycle is constant (i.e., duty cycle variations are less than
	± 2 percent) by performing the measurement over the on/off burst cycles and
	then correcting (increasing) the measured level by a factor equal to
	10log(1/duty cycle)
Remark	
Result	Pass Fail

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



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GSM: GSM 1900 PK-AV POWER (PART 24E)

Frequency	Conducted power(dBm)		Peak-Average
(MHz)	Peak	Average	Ratio(PAR)
1850.2	30.22	29.11	1.11
1880	30.26	29.19	1.07
1909.8	30.51	29.49	1.02

GPRS 1900 PK-AV POWER (PART 24E)

Frequency	Conducted power(dBm)		Peak-Average
(MHz)	Peak	Average	Ratio(PAR)
1850.2	30.26	29.17	1.09
1880	30.31	29.28	1.03
1909.8	30.61	29.56	1.05

EGPRS (MSC5) 1900 PK-AV POWER (PART 24E)

Frequency	Conducted power(dBm)		Peak-Average
(MHz)	Peak	Average	Ratio(PAR)
1850.2	26.61	25.56	1.05
1880	26.82	25.73	1.09
1909.8	26.82	25.68	1.14

RMC: UMTS-FDD Band 2 PK-AV POWER (PART 24E)

Frequency	Conducted power(dBm)		Peak-Average
(MHz)	Peak	Average	Ratio(PAR)
1852.4	24.92	22.87	2.05
1880	24.48	23.6	0.88
1907.6	24.39	22.27	2.12

HSDPA: UMTS-FDD Band 2 PK-AV POWER (PART 24E)

Frequency	Conducted power(dBm)		Peak-Average
(MHz)	Peak	Average	Ratio(PAR)
1852.4	23.66	21.56	2.1
1880	23.53	21.45	2.08
1907.6	23.49	21.55	1.94



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HSUPA: UMTS-FDD Band 2 PK-AV POWER (PART 24E)

· · · · · · · · · · · · · · · · · · ·				
Frequency	Conducted power(dBm)		Peak-Average	
(MHz)	Peak	Average	Ratio(PAR)	
1852.4	23.55	21.47	2.08	
1880	23.46	21.45	2.01	
1907.6	23.43	21.46	1.97	



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6.4 Occupied Bandwidth

Temperature	25°C
Relative Humidity	55%
Atmospheric Pressure	1012mbar
Test date :	April 11, 2017
Tested By :	Loren Luo

Requirement(s):

requirement(s)	Requirement(s).				
Spec	Item	Requirement	Applicable		
§2.1049,	a)	a) 99% Occupied Bandwidth(kHz)			
§22.917,					
§22.905	b)	26 dB Bandwidth(kHz)			
§24.238					
Test Setup	Base Station Spectrum Analyzer				
	-	- 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 middle channel				
	for the highest RF powers.				
Remark					
Result	☑ Pa	ass Fail	_		

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



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GSM Voice:

Cellular Band (Part 22H) result

Channel	Frequency	99% Occupied	26 dB Bandwidth
	(MHz)	Bandwidth (kHz)	(kHz)
128	824.2	245.76	317.5
190	836.6	243.00	318.8
251	848.8	247.08	322.6

PCS Band (Part 24E) result

Channel	Frequency	99% Occupied	26 dB Bandwidth
Channel	(MHz)	Bandwidth (kHz)	(kHz)
512	1850	245.02	315.5
661	1880	245.11	312.4
810	1910	245.05	317.9

GPRS:

Cellular Band (Part 22H) result

Channal	Frequency	99% Occupied	26 dB Bandwidth
Channel	(MHz)	Bandwidth (kHz)	(kHz)
128	824.2	248.40	317.9
190	836.6	245.07	314.8
251	848.8	244.09	316.3

PCS Band (Part 24E) result

Channal	Frequency	99% Occupied	26 dB Bandwidth
Channel	(MHz)	Bandwidth (kHz)	(kHz)
512	1850	245.54	317.3
661	1880	245.86	315.2
810	1910	246.55	314.8



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EGPRS (MCS 5):

Cellular Band (Part 22H) result

Channel	Frequency	99% Occupied	26 dB Bandwidth
	(MHz)	Bandwidth (kHz)	(kHz)
128	824.2	246.26	312.7
190	836.6	244.95	320.8
251	848.8	245.90	314.4

PCS Band (Part 24E) result

Channel	Frequency (MHz)	99% Occupied Bandwidth (kHz)	26 dB Bandwidth (kHz)
512	1850	248.97	314.9
661	1880	243.60	313.9
810	1910	245.80	317.9



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RMC:

UMTS-FDD Band V (Part 22H)

Channel	Frequency	99% Occupied	26 dB Bandwidth
Channel	(MHz)	Bandwidth (MHz)	(MHz)
4132	826.6	4.3823	5.059
4175	835.0	4.1993	4.830
4233	846.4	4.2049	4.877

UMTS-FDD Band II (Part 24E)

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
9262	1853	4.2090	4.862
9400	1880	4.2081	4.856
9538	1907	4.2003	4.874

HSDPA:

UMTS-FDD Band V (Part 22H)

Channel	Frequency	99% Occupied	26 dB Bandwidth
	(MHz)	Bandwidth (MHz)	(MHz)
4132	826.6	4.2055	4.870
4175	835.0	4.2013	4.845
4233	846.4	4.2006	4.861

UMTS-FDD Band II (Part 24E)

Chama al	Frequency	99% Occupied	26 dB Bandwidth
Channel	(MHz)	Bandwidth (MHz)	(MHz)
9262	1853	4.2076	4.853
9400	1880	4.2092	4.838
9538	1907	4.1982	4.859



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HSUPA:

UMTS-FDD Band V (Part 22H)

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
4132	826.6	4.2120	4.883
4175	835.0	4.2035	4.851
4233	846.4	4.2054	4.851

UMTS-FDD Band II (Part 24E)

Channel	Frequency	99% Occupied	26 dB Bandwidth
	(MHz)	Bandwidth (MHz)	(MHz)
9262	1853	4.2194	4.882
9400	1880	4.2057	4.878
9538	1907	4.2041	4.861



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Test Plots

GSM Voice:





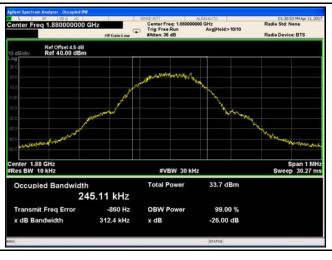
GSM 850 BW - Low CH 824.2MHz



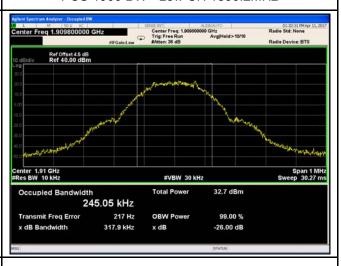
GSM 850 BW - Mid CH 836.6MHz



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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GPRS:





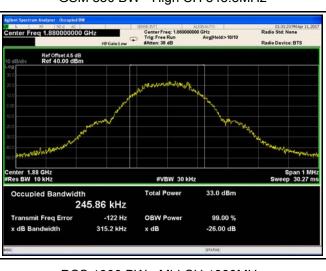
GSM 850 BW - Low CH 824.2MHz



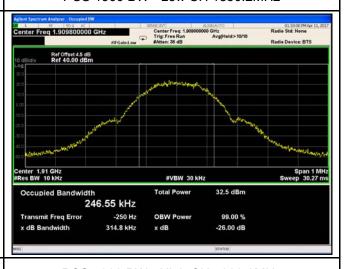
GSM 850 BW - Mid CH 836.6MHz



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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EGPRS (MCS5):

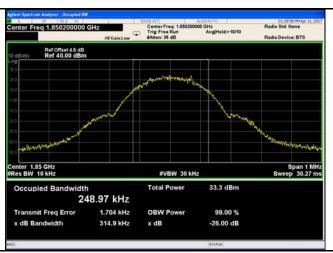




GSM 850 BW - Low CH 824.2MHz



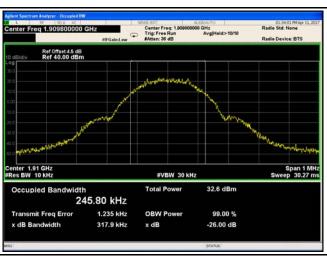
GSM 850 BW - Mid CH 836.6MHz



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



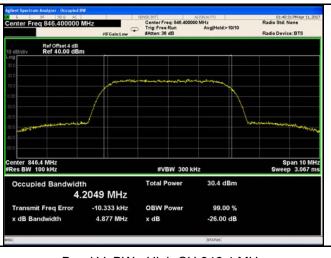
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RMC:

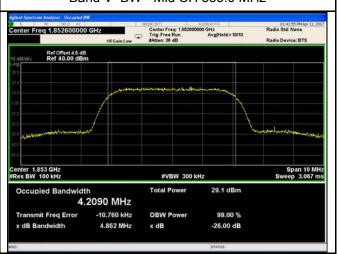




Band V BW - Low CH 826.6 MHz



Band V BW - Mid CH 835.0 MHz



Band V BW - High CH 846.4 MHz



Band II BW - Low CH 1852.4MHz



Band II BW - Mid CH 1880MHz

Band II BW - High CH 1907.6MHz



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HSDPA:

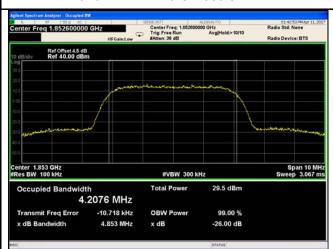




Band V BW - Low CH 826.6 MHz



Band V BW - Mid CH 835.0 MHz



Band V BW - High CH 846.4 MHz



Band II BW - Low CH 1852.4MHz



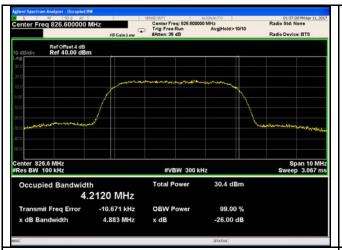
Band II BW - Mid CH 1880MHz

Band II BW - High CH 1907.6MHz



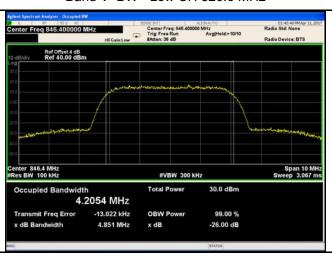
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HSUPA:

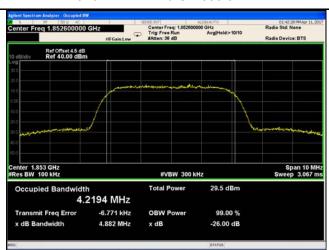




Band V BW - Low CH 826.6 MHz



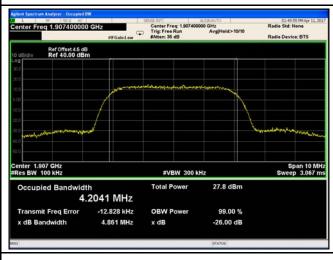
Band V BW - Mid CH 835.0 MHz



Band V BW - High CH 846.4 MHz



Band II BW - Low CH 1852.4MHz



Band II BW - Mid CH 1880MHz

Band II BW - High CH 1907.6MHz



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6.5 Spurious Emissions at Antenna Terminals

Temperature	25°C
Relative Humidity	55%
Atmospheric Pressure	1012mbar
Test date :	April 11, 2017
Tested By:	Loren Luo

Requirement(s):

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	■ B	EUT Spectrum Analyzer	
Test Procedure	-	The EUT was connected to Spectrum Analyzer and Basevia 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}

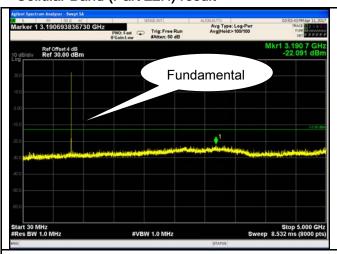


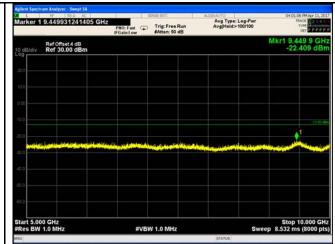
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Test Plots

GSM Voice:

Cellular Band (Part 22H) result



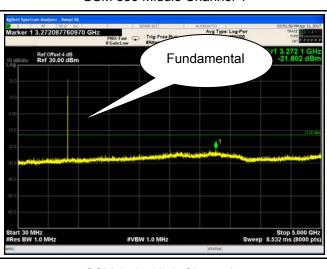


GSM 850 - Low Channel-1

GSM 850 - Low Channel-2



GSM 850 Middle Channel-1



GSM 850 Middle Channel-2



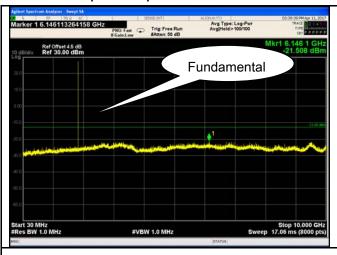
GSM 850 - High Channel-1

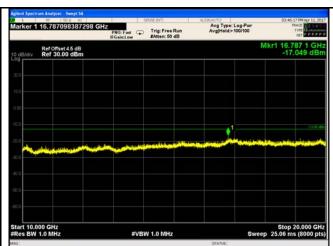
GSM 850 - High Channel-2



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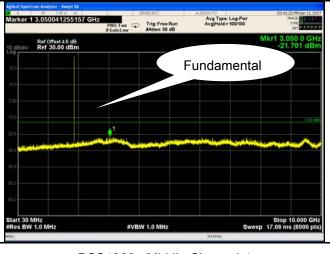
PCS Band (Part24E) result





PCS1900 - Low Channel-1

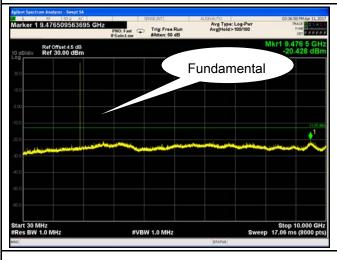
PCS 1900 - Low Channel-2





PCS1900 - Middle Channel-1

PCS 1900 - Middle Channel-2





PCS1900 - High Channel-1

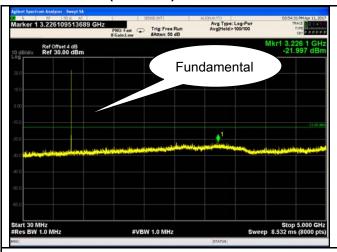
PCS 1900 - High Channel-2

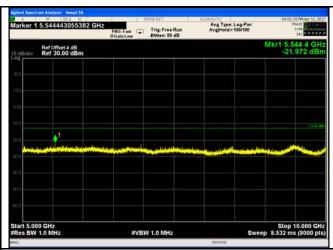


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GPRS:

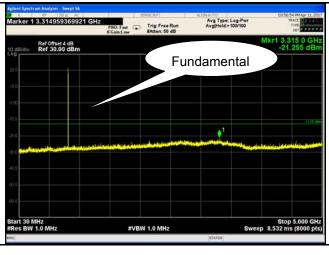
Cellular Band (Part 22H) result

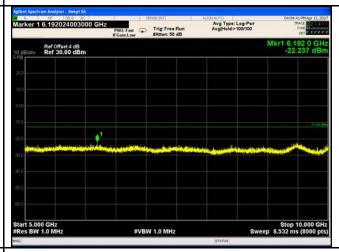




GSM 850 - Low Channel-1

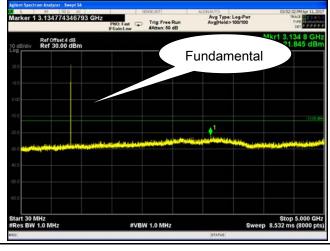
GSM 850 - Low Channel-2

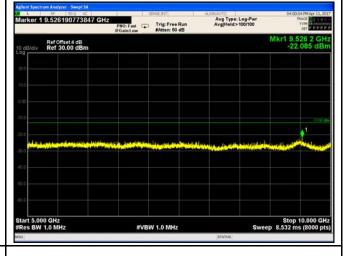




GSM 850 Middle Channel-1

GSM 850 Middle Channel-2





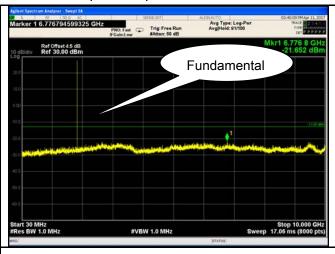
GSM 850 - High Channel-1

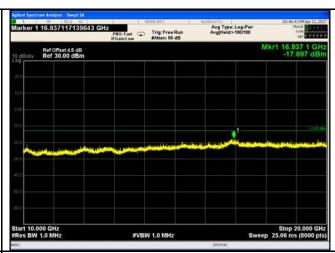
GSM 850 - High Channel-2



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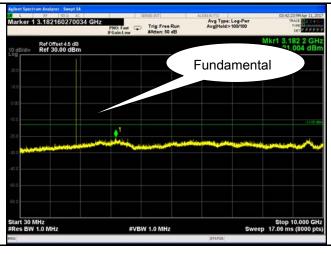
PCS Band (Part24E) result

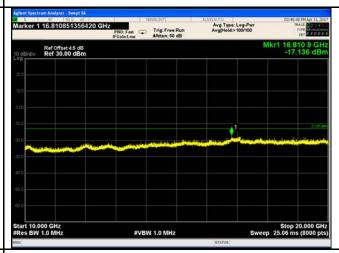




PCS1900 - Low Channel-1

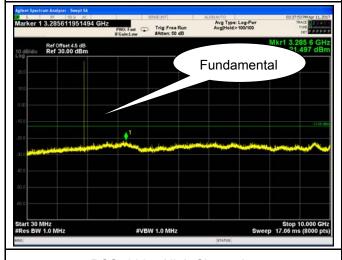
PCS 1900 - Low Channel-2

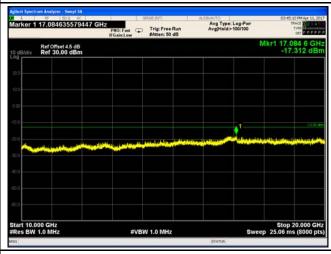




PCS1900 - Middle Channel-1

PCS 1900 - Middle Channel-2





PCS1900 - High Channel-1

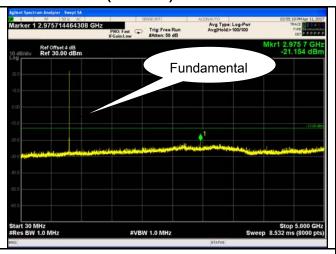
PCS 1900 - High Channel-2

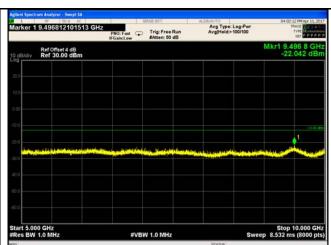


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EGPRS (MCS 5):

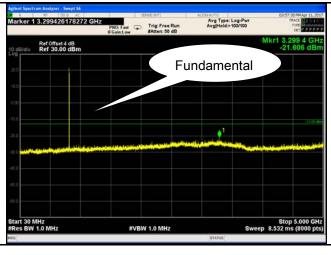
Cellular Band (Part 22H) result

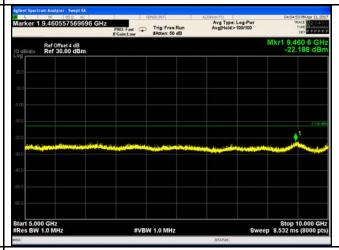




GSM 850 - Low Channel-1

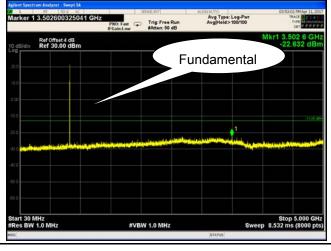
GSM 850 - Low Channel-2

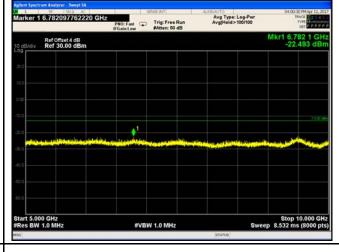




GSM 850 Middle Channel-1

GSM 850 Middle Channel-2





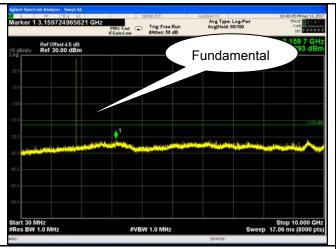
GSM 850 - High Channel-1

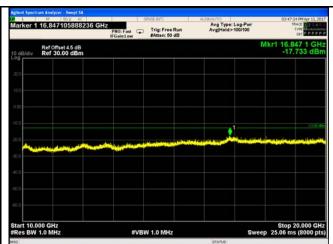
GSM 850 - High Channel-2



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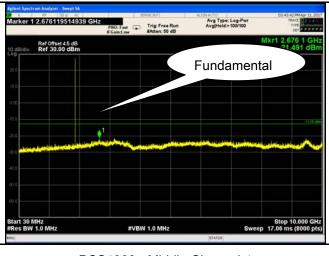
PCS Band (Part24E) result

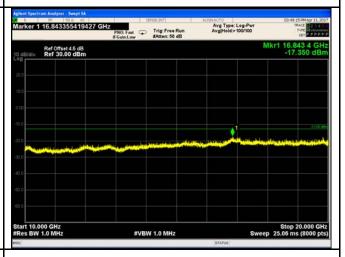




PCS1900 - Low Channel-1

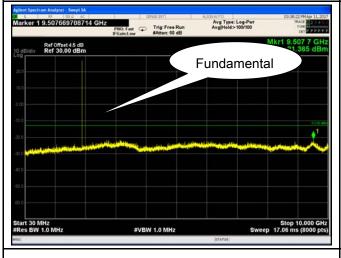


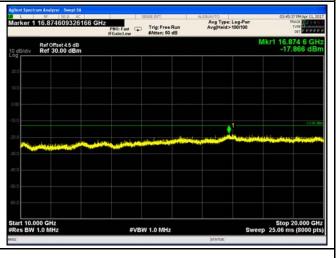




PCS1900 - Middle Channel-1

PCS 1900 - Middle Channel-2





PCS1900 - High Channel-1

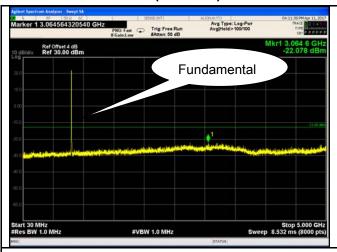
PCS 1900 - High Channel-2

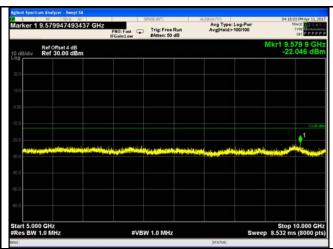


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RMC

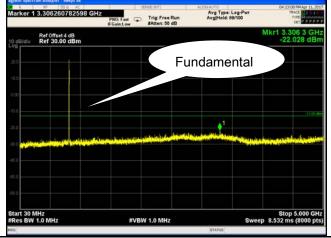
UMTS-FDD Band V (Part 22H)





Band V - Low Channel-1

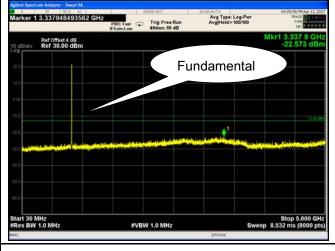


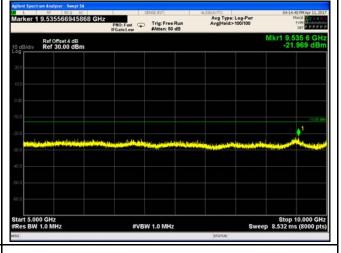




Band V - Middle Channel-1

Band V - Middle Channel-2



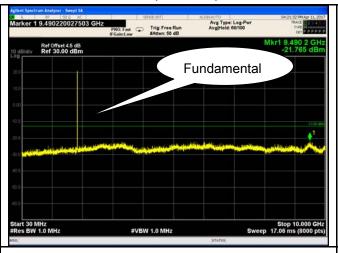


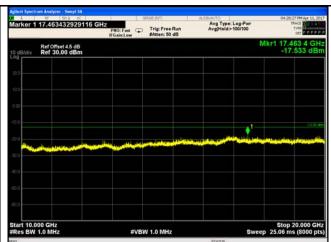
Band V - High Channel-1

Band V - High Channel-2

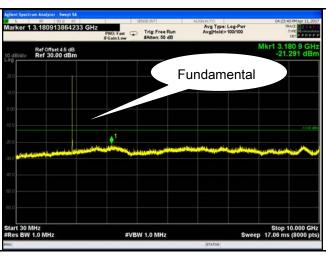


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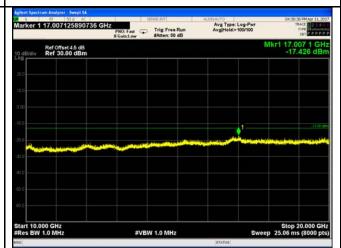




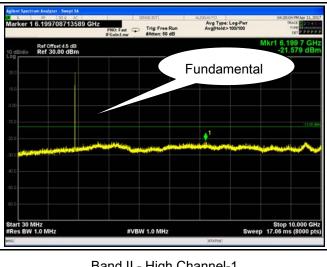
Band II - Low Channel-1



Band II - Low Channel-2



Band II - Middle Channel-1



Band II - Middle Channel-2



Band II - High Channel-1

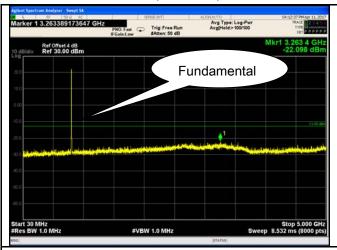
Band II - High Channel-2

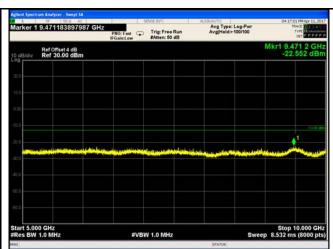


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HSDPA:

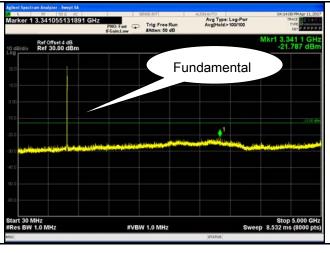
UMTS-FDD Band V (Part 22H)





Band V - Low Channel-1

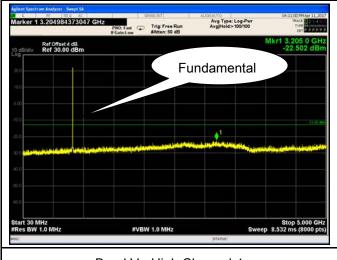






Band V - Middle Channel-1

Band V - Middle Channel-2



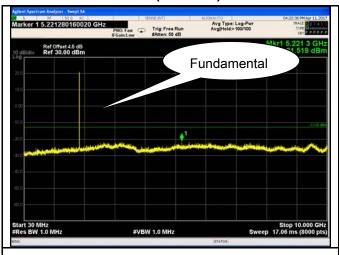


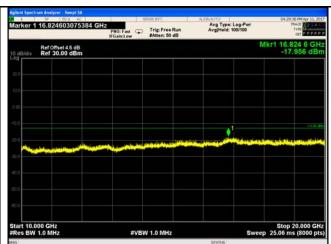
Band V - High Channel-1

Band V - High Channel-2

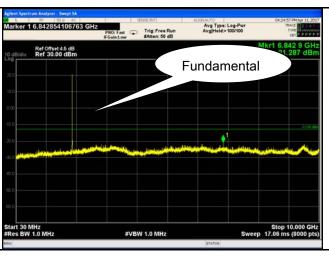


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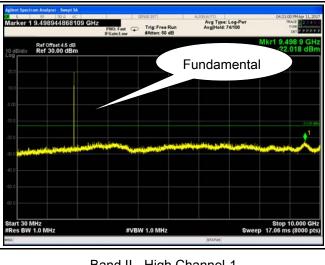
Band II - Low Channel-1



Band II - Low Channel-2



Band II - Middle Channel-1



Band II - Middle Channel-2



Band II - High Channel-1

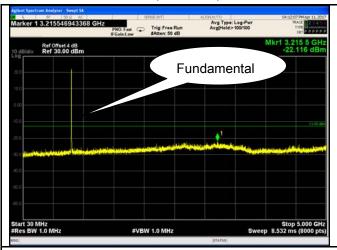
Band II - High Channel-2

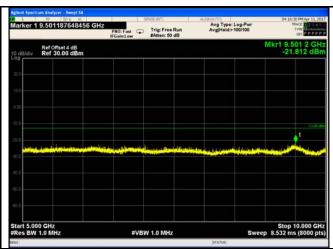


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HSUPA:

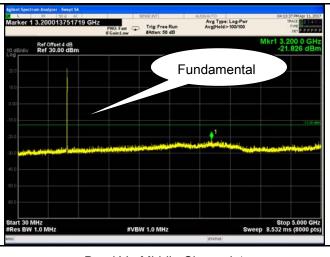
UMTS-FDD Band V (Part 22H)

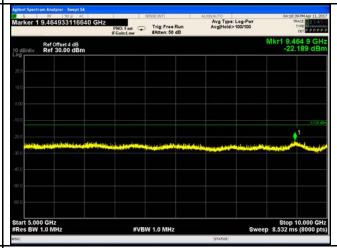




Band V - Low Channel-1

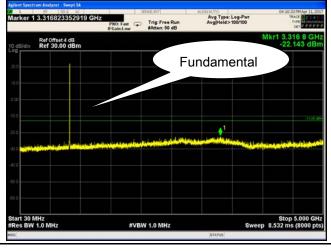






Band V - Middle Channel-1

Band V - Middle Channel-2



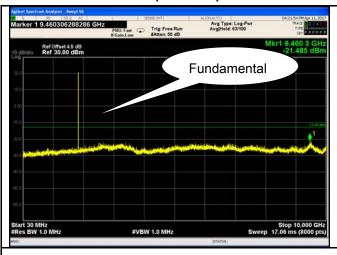


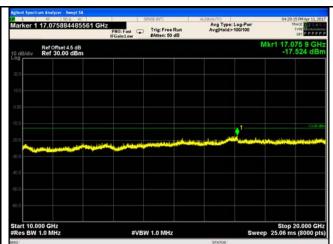
Band V - High Channel-1

Band V - High Channel-2

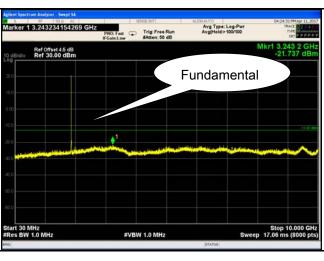


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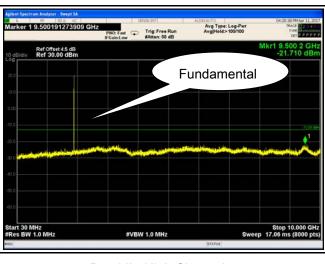
Band II - Low Channel-1



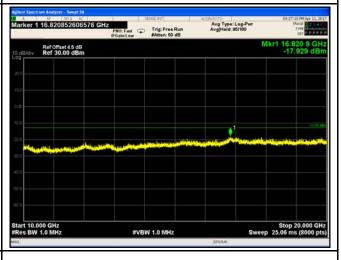
Band II - Low Channel-2



Band II - Middle Channel-1



Band II - Middle Channel-2



Band II - High Channel-1

Band II - High Channel-2



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6.6 Spurious Radiated Emissions

Temperature	25°C		
Relative Humidity	55%		
Atmospheric Pressure	1012mbar		
Test date :	April 11, 2017		
Tested By :	Loren Luo		

Requirement(s):									
Spec	Item	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	Suppo	Ant. Tower Support Units Turn Table 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 N/A

Test Plot Yes (See below) N/A



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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	-43.41	V	7.95	0.78	-36.24	-13	-23.24
1648.4	-44.12	Н	7.95	0.78	-36.95	-13	-23.95
327.5	-52.56	V	6.4	0.26	-46.42	-13	-33.42
604.1	-52.73	Н	6.8	0.37	-46.3	-13	-33.30

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	-43.36	V	7.95	0.78	-36.19	-13	-23.19
1673.2	-44.01	Н	7.95	0.78	-36.84	-13	-23.84
327.3	-52.45	V	6.4	0.26	-46.31	-13	-33.31
604.6	-52.58	Н	6.8	0.37	-46.15	-13	-33.15

High channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
1697.6	-43.33	V	7.95	0.78	-36.16	-13	-23.16
1697.6	-43.95	Н	7.95	0.78	-36.78	-13	-23.78
327.9	-52.51	V	6.4	0.26	-46.37	-13	-33.37
604.5	-52.47	Н	6.8	0.37	-46.04	-13	-33.04

- 1, The testing has been conformed to 10*848.8MHz=8,488MHz
- 2, All other emissions more than 30 dB below the limit
- 3,GSM voice, GPRS and EGPRS mode were investigated. The results above show only the worse cases
- 4, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.



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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	-48.73	V	10.25	2.73	-41.21	-13	-28.21
3700.4	-49.25	Η	10.25	2.73	-41.73	-13	-28.73
325.1	-53.36	V	6.4	0.26	-47.22	-13	-34.22
606.4	-53.84	Н	6.8	0.37	-47.41	-13	-34.41

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	-48.61	V	10.25	2.73	-41.09	-13	-28.09
3760	-49.36	Н	10.25	2.73	-41.84	-13	-28.84
325.4	-53.28	V	6.4	0.26	-47.14	-13	-34.14
606.8	-53.71	Н	6.8	0.37	-47.28	-13	-34.28

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	-48.65	V	10.36	2.73	-41.02	-13	-28.02
3819.6	-49.53	Н	10.36	2.73	-41.9	-13	-28.9
325.7	-53.49	V	6.4	0.26	-47.35	-13	-34.35
606.3	-51.82	Н	6.8	0.37	-45.39	-13	-32.39

- 1, The testing has been conformed to 10*1909.8MHz=19,098MHz
- 2, All other emissions more than 30 dB below the limit
- 3,GSM voice, GPRS and EGPRS mode were investigated. The results above show only the worse cases
- 4, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.



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UMTS-FDD Band V (Part 22H)

Low channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
1652.8	-46.48	V	7.95	0.78	-39.31	-13	-26.31
1652.8	-45.83	Н	7.95	0.78	-38.66	-13	-25.66
326.3	-52.76	V	6.4	0.26	-46.62	-13	-33.62
607.2	-53.21	Н	6.8	0.37	-46.78	-13	-33.78

Middle channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
1670	-46.51	V	7.95	0.78	-39.34	-13	-26.34
1670	-45.75	Η	7.95	0.78	-38.58	-13	-25.58
326.6	-52.56	V	6.4	0.26	-46.42	-13	-33.42
607.9	-52.93	Н	6.8	0.37	-46.5	-13	-33.50

High channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
1693.2	-46.66	V	7.95	0.78	-39.49	-13	-26.49
1693.2	-45.78	Н	7.95	0.78	-38.61	-13	-25.61
326.8	-52.85	V	6.4	0.26	-46.71	-13	-33.71
607.6	-53.04	Н	6.8	0.37	-46.61	-13	-33.61

- 1, The testing has been conformed to 10*846.6MHz=8,466MHz
- 2, All other emissions more than 30 dB below the limit
- 3,RMC, HSUPA and HSDPA mode were investigated. The results above show only the worse cases
- 4, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.



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UMTS-FDD Band II (Part 24E)

Low channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3704.8	-49.46	٧	10.25	2.73	-41.94	-13	-28.94
3704.8	-49.85	Η	10.25	2.73	-42.33	-13	-29.33
322.9	-53.51	V	6.4	0.26	-47.37	-13	-34.37
605.3	-53.34	Н	6.8	0.37	-46.91	-13	-33.91

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	-49.35	٧	10.25	2.73	-41.83	-13	-28.83
3760	-49.74	Ι	10.25	2.73	-42.22	-13	-29.22
322.5	-53.68	٧	6.4	0.26	-47.54	-13	-34.54
605.4	-53.49	Н	6.8	0.37	-47.06	-13	-34.06

High channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3815.2	-49.37	V	10.36	2.73	-41.74	-13	-28.74
3815.2	-49.56	Ι	10.36	2.73	-41.93	-13	-28.93
322.3	-53.55	V	6.4	0.26	-47.41	-13	-34.41
605.7	-53.88	Н	6.8	0.37	-47.45	-13	-34.45

- 1, The testing has been conformed to 10*1907.6MHz=19,076MHz
- 2, All other emissions more than 30 dB below the limit
- 3,RMC, HSUPA and HSDPA mode were investigated. The results above show only the worse cases
- 4, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case



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6.7 Band Edge

Temperature	25°C
Relative Humidity	55%
Atmospheric Pressure	1012mbar
Test date :	April 11, 2017
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement	Applicable
§22.917(a) §24.238(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	Ba	EUT Spectrum Analyzer	
Procedure	1 1	 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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GSM Voice:

Cellular Band (Part 22H) result

Frequency (MHz)	Emission (dBm)	Limit (dBm)
823.979	-17.6831	-13
849.019	-17.967	-13

PCS Band (Part24E) result

Frequency (MHz)	Emission (dBm)	Limit (dBm)
1849.995	-16.550	-13
1910.022	-16.238	-13

GPRS:

Cellular Band (Part 22H) result

Frequency (MHz)	Emission (dBm)	Limit (dBm)
823.997	-17.595	-13
849.020	-17.370	-13

PCS Band (Part24E) result

Frequency (MHz)	Emission (dBm)	Limit (dBm)
1849.978	-16.933	-13
1910.021	-15.883	-13



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EGPRS (MCS5):

Cellular Band (Part 22H) result

Frequency (MHz)	Emission (dBm)	Limit (dBm)
823.997	-16.811	-13
849.008	-17.615	-13

PCS Band (Part24E) result

Frequency (MHz)	Emission (dBm)	Limit (dBm)
1849.997	-15.331	-13
1910.018	-16.587	-13

RMC:

UMTS-FDD Band V (Part 22H)

Frequency (MHz)	Emission (dBm)	Limit (dBm)
823.99	-25.726	-13
849.18	-27.579	-13

Frequency (MHz)	Emission (dBm)	Limit (dBm)
1849.97	-27.954	-13
1910.01	-29.394	-13



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HSDPA:

UMTS-FDD Band V (Part 22H)

Frequency (MHz)	Emission (dBm)	Limit (dBm)
823.99	-25.130	-13
849.22	-27.907	-13

UMTS-FDD Band II (Part 24E)

Frequency (MHz)	Emission (dBm)	Limit (dBm)
1849.99	-26.956	-13
1910.01	-29.963	-13

HSUPA:

UMTS-FDD Band V (Part 22H)

Frequency (MHz)	Emission (dBm)	Limit (dBm)
823.99	-26.650	-13
849.14	-27.735	-13

Frequency (MHz)	Emission (dBm)	Limit (dBm)
1849.98	-27.206	-13
1910.01	-29.118	-13