

# RF TEST REPORT



Report No.: 15050011-FCC-R1

Supersede Report No.: N/A

Applicant	B mobile HK Limited	
Product Name	Mobile phone	
Model No.	AX800	
Serial No.	N/A	
Test Standard	FCC Part 22(H), FCC Part 24(E), FCC Part 27: 2014; ANSI/TIAC603 D: 2010	
Test Date	Apr. 06 to Apr. 07, 2015	
Issue Date	May 29, 2015	
Test Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	
Equipment complied with the specification	<input checked="" type="checkbox"/>	
Equipment did not comply with the specification	<input type="checkbox"/>	
<i>Winnie Zhang</i>	<i>Chris You</i>	
Winnie Zhang Test Engineer	Chris You Checked By	
This test report may be reproduced in full only Test result presented in this test report is applicable to the tested sample only		

Issued by:

**SIEMIC (SHENZHEN-CHINA) LABORATORIES**

Zone A, Floor 1, Building 2 Wan Ye Long Technology Park

South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China 518108

Phone: +86 0755 2601 4629801 Email: [China@siemic.com.cn](mailto:China@siemic.com.cn)

## 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
15050011-FCC-R1	NONE	Original	May 29, 2015

## 2. Customer information

Applicant Name	B mobile HK Limited
Applicant Add	Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung;New Territories; Hong Kong
Manufacturer	B mobile HK Limited
Manufacturer Add	Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung;New Territories; Hong Kong

## 3. Test site information

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

## 4. Equipment under Test (EUT) Information

Description of EUT:	Mobile phone
Main Model:	AX800
Serial Model:	N/A
Date EUT received:	Apr. 01, 2015
Test Date(s):	Apr. 06 to Apr. 07, 2015
Equipment Category :	PCE
Antenna Gain:	GSM850: -2.2 dBi PCS1900: -1.8 dBi UMTS-FDD Band 5/ Band 2/ Band 4: -2 dBi Bluetooth: -1 dBi WIFI: -3 dBi
Type of Modulation:	GSM / GPRS: GMSK EGPRS: GMSK, 8PSK UMTS-FDD: QPSK 802.11b/g/n: DSSS, OFDM Bluetooth: GFSK, $\pi$ /4DQPSK, 8DPSK
RF Operating Frequency (ies):	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 5 TX: 826.4 ~ 846.6 MHz; RX: 871.4 ~ 891.6 MHz UMTS-FDD Band 2 TX: 1852.4 ~ 1907.6 MHz; RX: 1932.4 ~ 1987.6 MHz UMTS-FDD Band 4 TX : 1712.4 ~ 1752.6 MHz; RX : 2112.4 ~ 2152.6 MHz WIFI: 802.11b/g/n(20M): 2412-2472 MHz WIFI: 802.11n(40M): 2422-2462 MHz Bluetooth: 2402-2480 MHz
Maximum Conducted	GSM850: 31.36 dBm
AV Power to Antenna:	PCS1900: 28.84 dBm

	UMTS-FDD Band V : 22.29 dBm
	UMTS-FDD Band II : 21.49 dBm
	UMTS-FDD Band IV: 21.49 dBm
	GSM850: 25.23 dBm / ERP
	PCS1900: 23.35 dBm / EIRP
ERP/EIRP:	UMTS-FDD Band V : 19.79 dBm / ERP
	UMTS-FDD Band II : 19.75 dBm / EIRP
	UMTS-FDD Band IV: 19.71 dBm / EIRP
	GSM 850: 124CH
	PCS1900: 299CH
	UMTS-FDD Band V : 102CH
Number of Channels:	UMTS-FDD Band II : 277CH
	UMTS-FDD Band IV: 202CH
	WIFI :802.11b/g/n(20M): 13CH
	WIFI :802.11n(40M): 9CH
	Bluetooth: 79CH
Port:	Power Port, Earphone Port, USB Port
	Battery:
	Model: 5005
	Spec: DC3.7V 1900mAh.7.03Wh
Input Power:	Limited charger voltage: 4.2V
	Adapter:
	Input: AC 100-240V; 50/60Hz 0.15A
	Output: DC 5.0V; 700mA
Trade Name :	Bmobile
GPRS/EGPRS Multi-slot class	8/10/12
FCC ID:	ZSW-30-010

## 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); § 27.50(c.10); § 27.50(d.4)	RF Output Power	Compliance
§ 24.232 (d); § 27.50(d)	Peak-Average Ratio	Compliance
§ 2.1047	Modulation Characteristics	Compliance
§ 2.1049; § 22.905; § 22.917; § 24.238; § 27.53(a.5)	99% & -26 dB Occupied Bandwidth	Compliance
§ 2.1051; § 22.917(a); § 24.238(a); § 27.53(h)	Spurious Emissions at Antenna Terminal	Compliance
§ 2.1053; § 22.917(a); § 24.238(a); § 27.53(h)	Field Strength of Spurious Radiation	Compliance
§ 22.917(a); § 24.238(a); § 27.53(h)	Out of band emission, Band Edge	Compliance
§ 2.1055; § 22.355; § 24.235; § 27.5(h); § 27.54	Frequency stability vs. temperature Frequency stability vs. voltage	Compliance

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

### Measurement Uncertainty

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



## 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: 15050005-FCC-H.



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	<p>generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.</p> <ul style="list-style-type: none"> <li>- Spurious emissions in dB = 10 log (TX power in Watts/0.001) – the absolute level</li> <li>- Spurious attenuation limit in dB = 43 + 10 Log10 (power out in Watts).</li> </ul>
Remark	
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Test Data     Yes                       N/A

Test Plot     Yes (See below)             N/A

## Conducted Power

### GSM Mode:

Burst Average Power (dBm);								
Band	GSM850				GSM1900			
Channel	128	190	251	Tune up Power tolerant	512	661	810	Tune up Power tolerant
Frequency (MHz)	824.2	836.6	848.8	/	1850.2	1880	1909.8	/
GSM Voice (1 uplink),GMSK	31.36	31.33	31.27	31±1	28.61	28.84	28.84	28±1
GPRS Multi-Slot Class 8 (1 uplink),GMSK	31.35	31.32	31.25	31±1	28.5	28.73	28.75	28±1
GPRS Multi-Slot Class 10 (2 uplink) GMSK	30.84	30.79	30.74	30±1	27.84	28.06	28.05	28±1
GPRS Multi-Slot Class 12 (4 uplink) GMSK (4 uplink),GMSK	28.23	28.13	28.06	28±1	24.98	25.29	25.37	25±1
EGPRS Multi-Slot Class 8 (1 uplink) 8PSK MCS5	26.86	26.93	26.9	26±1	24.94	25.01	25.08	25±1
EGPRS Multi-Slot Class 10 (2 uplink) 8PSK MCS5	25.81	25.71	25.77	25±1	23.95	24.04	24.11	24±1
EGPRS Multi-Slot Class 12 (4 uplink) 8PSK MCS5	23.64	23.52	23.47	23±1	22.79	22.97	22.99	23±1

Remark :

GPRS, CS1 coding scheme.

EGPRS, MCS5 coding scheme.

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

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

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

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

## UMTS Mode:

### UMTS-FDD Band V

Band/ Time Slot configuration	Channel	Frequency	Average power (dBm)
RMC 12.2kbps	4132	826.4	22.08
	4175	835.0	22.23
	4233	846.6	22.1
HSDPA Subtest1	4132	826.4	22.05
	4175	835.0	22.12
	4233	846.6	22.05
HSDPA Subtest2	4132	826.4	22.03
	4175	835.0	22.19
	4233	846.6	22.21
HSDPA Subtest3	4132	826.4	22.01
	4175	835.0	22.29
	4233	846.6	22.03
HSDPA Subtest4	4132	826.4	22.03
	4175	835.0	22.12
	4233	846.6	22.13
HSUPA Subtest1	4132	826.4	22.03
	4175	835.0	22.11
	4233	846.6	22.21
HSUPA Subtest2	4132	826.4	22.08
	4175	835.0	22.12
	4233	846.6	22.09
HSUPA Subtest3	4132	826.4	22.21
	4175	835.0	22.09
	4233	846.6	22.11
HSUPA Subtest4	4132	826.4	22.19
	4175	835.0	22.09
	4233	846.6	22.21
HSUPA Subtest5	4132	826.4	22.12
	4175	835.0	22.22
	4233	846.6	22.08

## UMTS-FDD Band II

Band/ Time Slot configuration	Channel	Frequency	Average power (dBm)
RMC 12.2kbps	9262	1852.4	21.34
	9400	1880.0	21.43
	9538	1907.6	21.46
HSDPA Subtest1	9262	1852.4	21.49
	9400	1880.0	21.33
	9538	1907.6	21.29
HSDPA Subtest2	9262	1852.4	21.38
	9400	1880.0	21.41
	9538	1907.6	21.37
HSDPA Subtest3	9262	1852.4	21.26
	9400	1880.0	21.38
	9538	1907.6	21.48
HSDPA Subtest4	9262	1852.4	21.47
	9400	1880.0	21.33
	9538	1907.6	21.41
HSUPA Subtest1	9262	1852.4	21.38
	9400	1880.0	21.39
	9538	1907.6	21.46
HSUPA Subtest2	9262	1852.4	21.38
	9400	1880.0	21.39
	9538	1907.6	21.47
HSUPA Subtest3	9262	1852.4	21.36
	9400	1880.0	21.41
	9538	1907.6	21.38
HSUPA Subtest4	9262	1852.4	21.39
	9400	1880.0	21.41
	9538	1907.6	21.37
HSUPA Subtest5	9262	1852.4	21.45
	9400	1880.0	21.47
	9538	1907.6	21.45

## UMTS-FDD Band IV

Band/ Time Slot configuration	Channel	Frequency	Average power (dBm)
RMC 12.2kbps	1313	1712.6	21.45
	1413	1732.6	21.36
	1512	1752.4	21.27
HSDPA Subtest1	1313	1712.6	21.49
	1413	1732.6	21.37
	1512	1752.4	21.41
HSDPA Subtest2	1313	1712.6	21.38
	1413	1732.6	21.27
	1512	1752.4	21.32
HSDPA Subtest3	1313	1712.6	21.31
	1413	1732.6	21.26
	1512	1752.4	21.32
HSDPA Subtest4	1313	1712.6	21.29
	1413	1732.6	21.35
	1512	1752.4	21.28
HSUPA Subtest1	1313	1712.6	21.42
	1413	1732.6	21.34
	1512	1752.4	21.29
HSUPA Subtest2	1313	1712.6	21.45
	1413	1732.6	21.34
	1512	1752.4	21.38
HSUPA Subtest3	1313	1712.6	21.46
	1413	1732.6	21.32
	1512	1752.4	21.27
HSUPA Subtest4	1313	1712.6	21.43
	1413	1732.6	21.31
	1512	1752.4	21.26
HSUPA Subtest5	1313	1712.6	21.32
	1413	1732.6	21.38
	1512	1752.4	21.45

## ERP & EIRP

### ERP for Cellular Band (Part 22H)

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization	Antenna Gain correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)
824.2	18.89	V	6.8	0.53	25.16	38.45
824.2	16.96	H	6.8	0.53	23.23	38.45
836.6	18.96	V	6.8	0.53	<b>25.23</b>	38.45
836.6	17.15	H	6.8	0.53	23.42	38.45
848.8	18.86	V	6.9	0.53	25.23	38.45
848.8	17.01	H	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	15.95	V	7.88	0.85	22.98	33
1850.2	14.63	H	7.88	0.85	21.66	33
1880	16.32	V	7.88	0.85	23.35	33
1880	14.29	H	7.88	0.85	21.32	33
1909.8	16.04	V	7.86	0.85	23.05	33
1909.8	14.33	H	7.86	0.85	21.34	33



### 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	13.52	V	6.8	0.53	<b>19.79</b>	38.45
826.4	12.62	H	6.8	0.53	18.89	38.45
835	13.33	V	6.8	0.53	19.6	38.45
835	12.45	H	6.8	0.53	18.72	38.45
846.6	13.31	V	6.9	0.53	19.68	38.45
846.6	12.39	H	6.9	0.53	18.76	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	12.72	V	7.88	0.85	<b>19.75</b>	33
1852.4	11.76	H	7.88	0.85	18.79	33
1880	12.69	V	7.88	0.85	19.72	33
1880	11.82	H	7.88	0.85	18.85	33
1907.6	12.63	V	7.86	0.85	19.64	33
1907.6	11.95	H	7.86	0.85	18.96	33

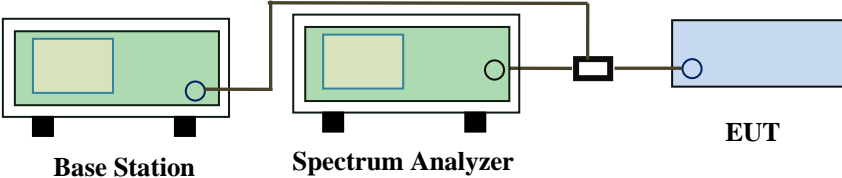
### EIRP for UMTS-FDD Band IV (Part 27)

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization	Antenna Gain correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)
1712.4	12.77	V	7.76	0.82	<b>19.71</b>	30
1712.4	11.69	H	7.76	0.82	18.63	30
1740	12.63	V	7.76	0.82	19.57	30
1740	11.74	H	7.76	0.82	18.68	30
1752.6	12.59	V	7.74	0.82	19.51	30
1752.6	11.89	H	7.74	0.82	18.81	30

### 6.3 Peak-Average Ratio

Temperature	22°C
Relative Humidity	63%
Atmospheric Pressure	1011mbar
Test date :	Apr. 06, 2015
Tested By :	Winnie Zhang

Requirement(s):

Spec	Item	Requirement	Applicable
§24.232(d) § 27.50(d)	a)	The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.	<input checked="" type="checkbox"/>
Test Setup	 <p style="text-align: center;">Base Station      Spectrum Analyzer      EUT</p>		
Test Procedure	<p><b>According with KDB 971168</b></p> <ol style="list-style-type: none"> <li>1. The signal analyzer' s CCDF measurement profile is enabled</li> <li>2. Frequency = carrier center frequency</li> <li>3. Measurement BW &gt; Emission bandwidth of signal</li> <li>4. The signal analyzer was set to collect one million samples to generate the CCDF curve</li> <li>5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (&gt;98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal “ RF Burst” trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the “ on time” of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power</li> </ol>		
Remark			
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		

Test Data     Yes       N/A

Test Plot     Yes (See below)       N/A

### PCS1900

Frequency (MHz)	Conducted power(dBm)		Peak-Average Ratio(PAR)
	Peak	Average	
1850.2	28.78	28.61	0.17
1880	28.93	28.84	0.09
1909.8	28.96	28.84	0.12

### WCDMA1900

Frequency (MHz)	Conducted power(dBm)		Peak-Average Ratio(PAR)
	Peak	Average	
1852.4	25.8	22.93	2.87
1880	26.67	22.98	3.69
1907.6	26.26	22.75	3.51

### WCDMA1700

Frequency (MHz)	Conducted power(dBm)		Peak-Average Ratio(PAR)
	Peak	Average	
1712.6	23.74	21.45	2.29
1732.6	23.67	21.36	2.31
1752.4	23.58	21.27	2.31

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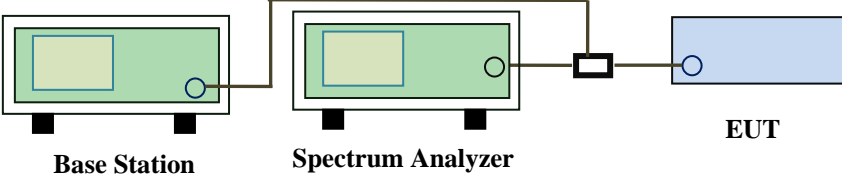
## 6.4 Modulation Characteristic

According to FCC § 2.1047(d), Part 22H, 24E& Part 27 there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

## 6.5 Occupied Bandwidth

Temperature	22°C
Relative Humidity	63%
Atmospheric Pressure	1011mbar
Test date :	Apr. 07, 2015
Tested By :	Winnie Zhang

### Requirement(s):

Spec	Item	Requirement	Applicable
§2.1049, §22.917, §22.905 §24.238 §27.53(a)	a)	99% Occupied Bandwidth(kHz)	<input checked="" type="checkbox"/>
	b)	26 dB Bandwidth(kHz)	<input checked="" type="checkbox"/>
Test Setup	 <p style="text-align: center;">Base Station      Spectrum Analyzer      EUT</p>		
Test Procedure	<ul style="list-style-type: none"> <li>- The EUT was connected to Spectrum Analyzer and Base Station via power divider.</li> <li>- The 99% and 26 dB occupied bandwidth (BW) of the middle channel for the highest RF powers.</li> </ul>		
Remark			
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		

Test Data     Yes       N/A

Test Plot     Yes (See below)       N/A

### Cellular Band (Part 22H) result

Channel	Frequency (MHz)	99% Occupied Bandwidth (kHz)	26 dB Bandwidth (kHz)
128	824.2	249.8228	314.974
190	836.6	247.2784	314.364
251	848.8	245.1612	311.807

### PCS Band (Part 24E) result

Channel	Frequency (MHz)	99% Occupied Bandwidth (kHz)	26 dB Bandwidth (kHz)
512	1850.2	249.6528	319.907
661	1880.0	244.5989	318.365
810	1909.8	246.3038	318.781

### UMTS-FDD Band V (Part 22H)

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
4132	826.4	4.1383	4.697
4175	835.0	4.1692	4.707
4233	846.6	4.1498	4.673

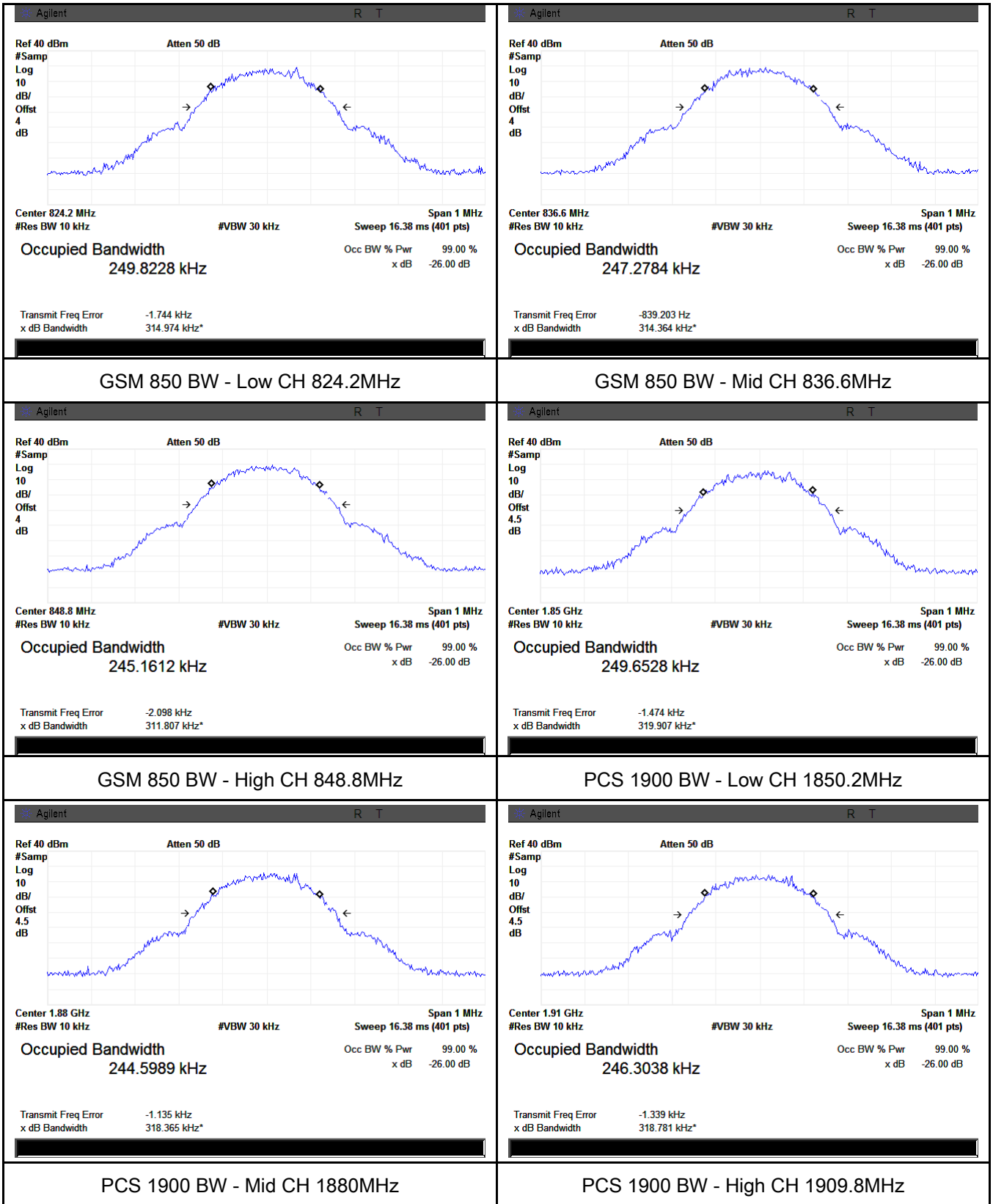
### UMTS-FDD Band II (Part 24E)

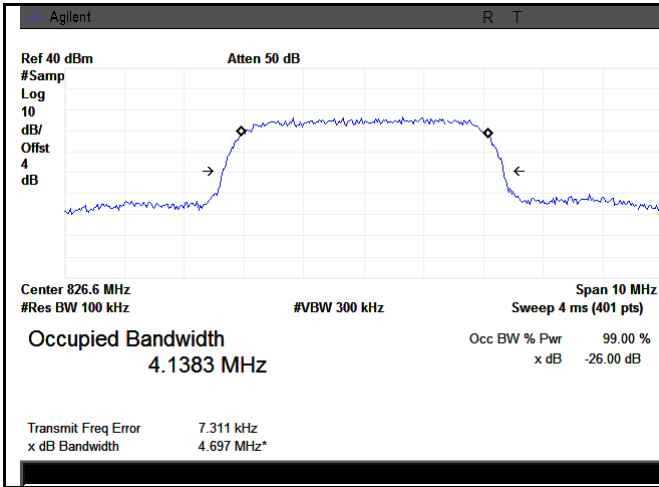
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
9262	1852.4	4.1746	4.682
9400	1880.0	4.1585	4.704
9538	1907.6	4.1678	4.733

### UMTS-FDD Band IV (Part 27)

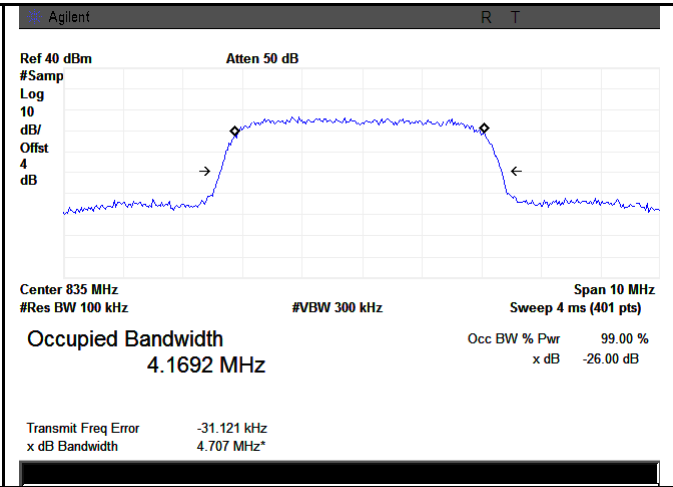
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
1313	1712.4	4.1531	4.702
1413	1732.6	4.1543	4.711
1512	1752.6	4.1565	4.724

### Test Plots

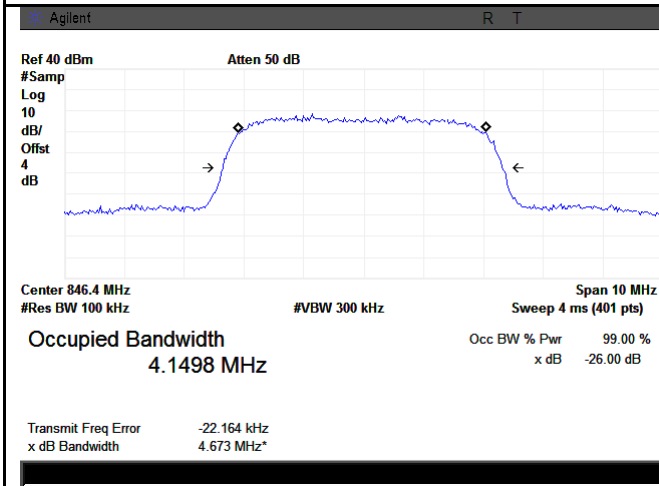




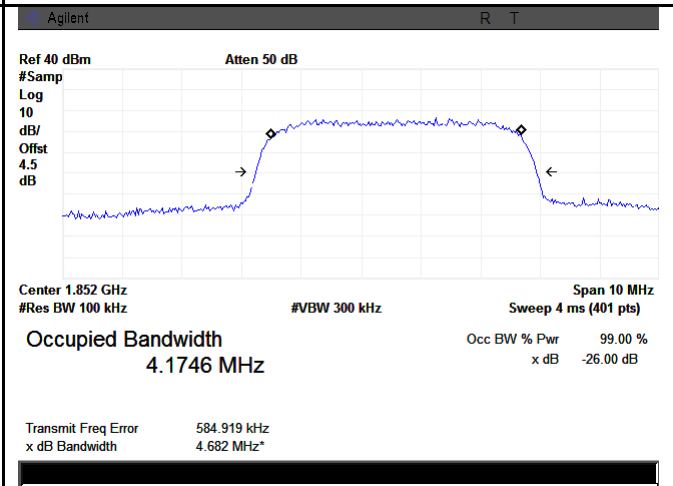
Band V BW - Low CH 826.6 MHz



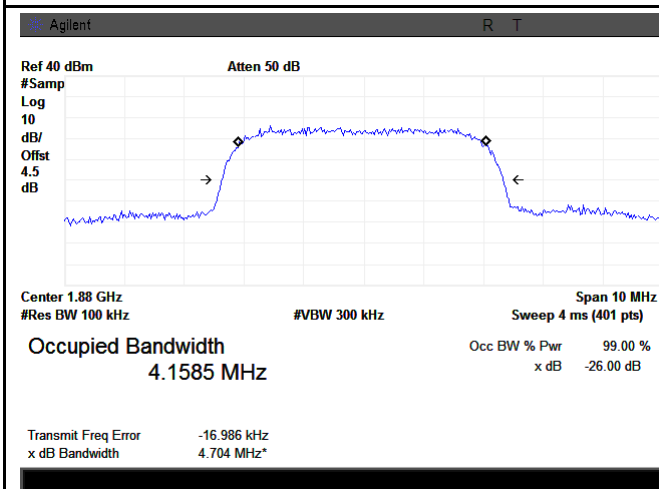
Band V BW - Mid CH 835.0 MHz



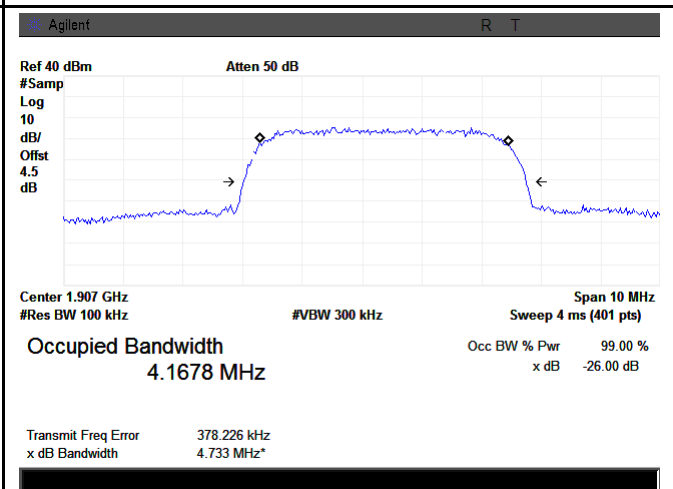
Band V BW - High CH 846.4 MHz



Band II BW - Low CH 1852.4MHz

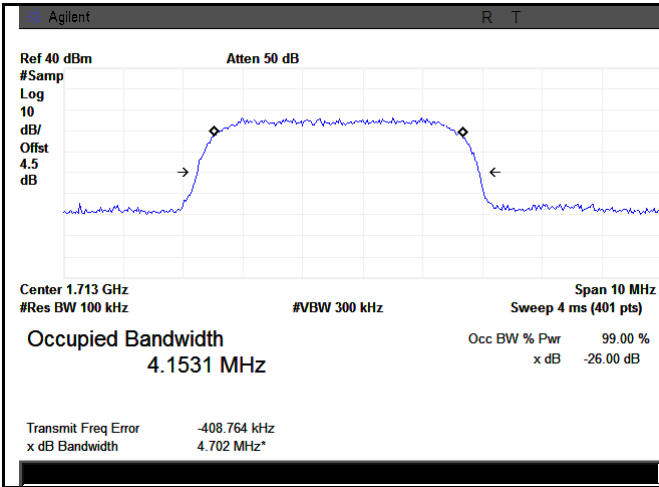


Band II BW - Mid CH 1880MHz

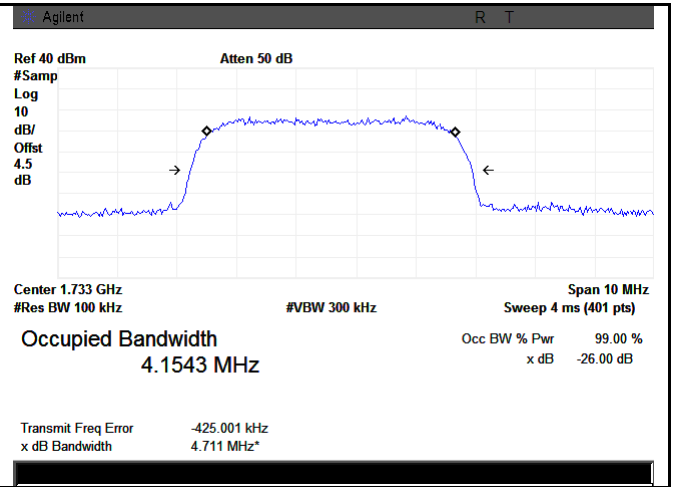


Band II BW - High CH 1907.6MHz

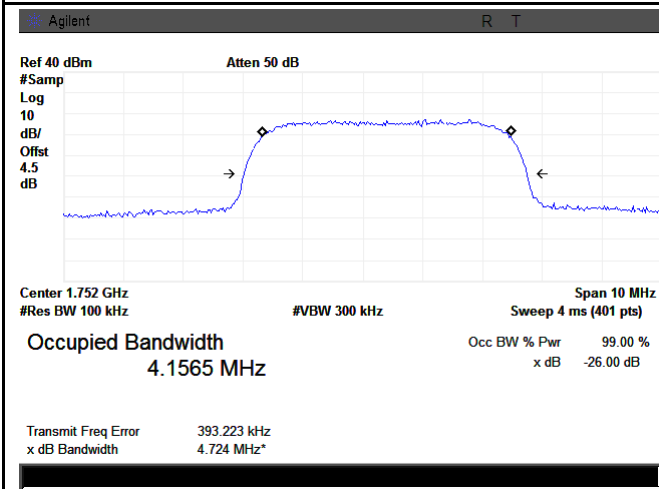




Band IV BW - Low CH 1712.6 MHz



Band IV BW - Mid CH 1740.0 MHz

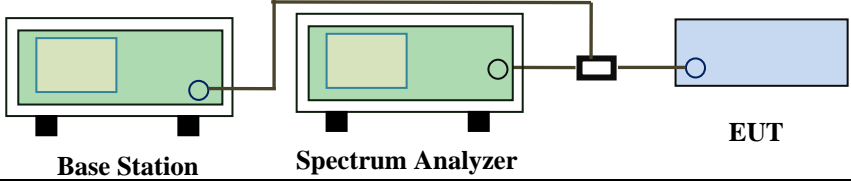


Band IV BW - High CH 1752.4 MHz

## 6.6 Spurious Emissions at Antenna Terminals

Temperature	22°C
Relative Humidity	63%
Atmospheric Pressure	1011mbar
Test date :	Apr. 06, 2015
Tested By :	Winnie Zhang

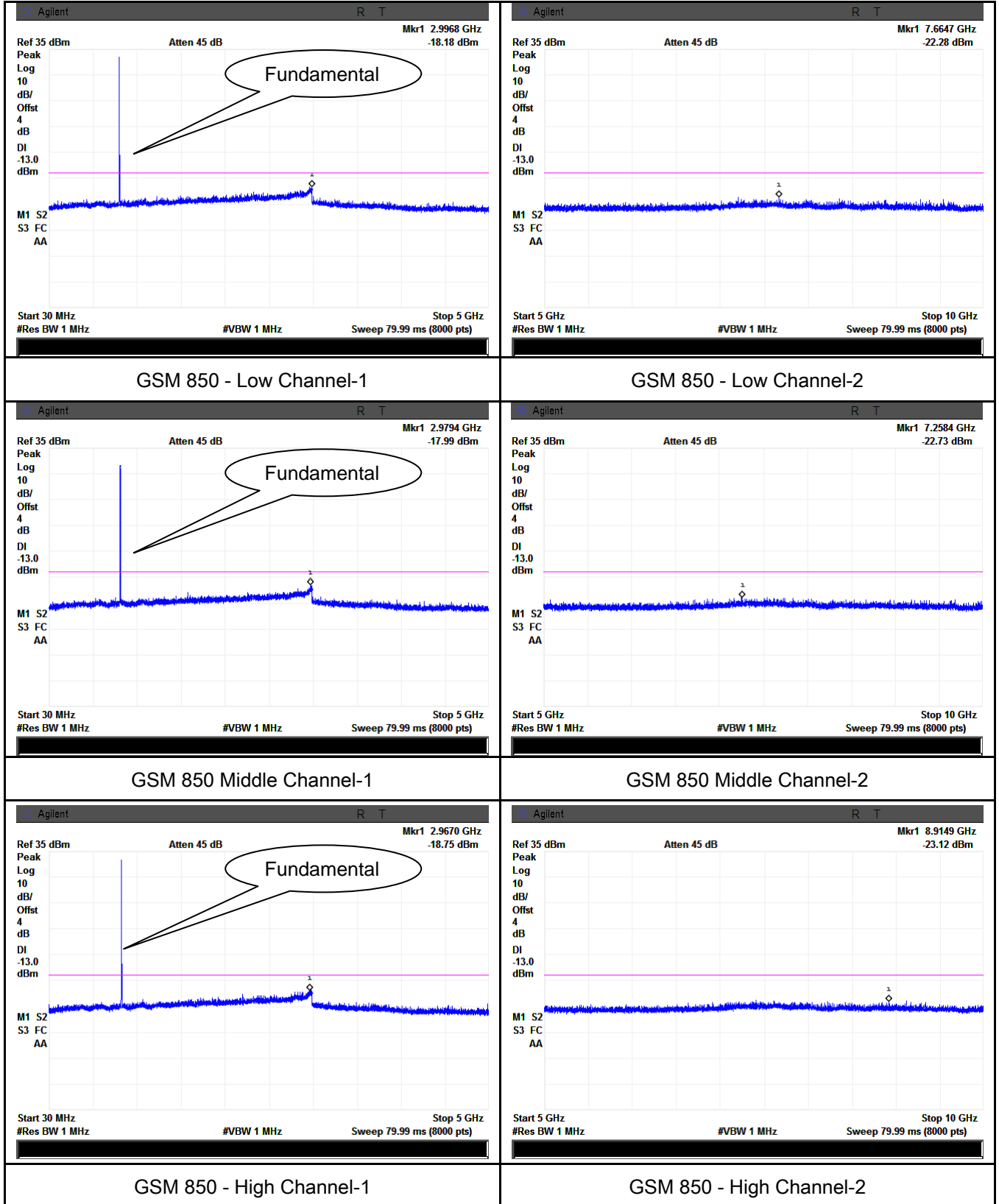
### Requirement(s):

Spec	Item	Requirement	Applicable
§2.1051, §22.917(a)& §24.238(a) § 27.53(h)	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	<input checked="" type="checkbox"/>
Test Setup	 <p>The diagram shows a Base Station (green box) connected to a Spectrum Analyzer (green box) and an EUT (blue box) via a power divider (black box). The Base Station and Spectrum Analyzer are connected to the power divider, which then splits the signal to the EUT.</p>		
Test Procedure	<ul style="list-style-type: none"> <li>- The EUT was connected to Spectrum Analyzer and Base Station via power divider.</li> <li>- The Band Edges of low and high channels for the highest RF powers were measured.</li> <li>- Setting RBW as roughly BW/100.</li> </ul>		
Remark			
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		

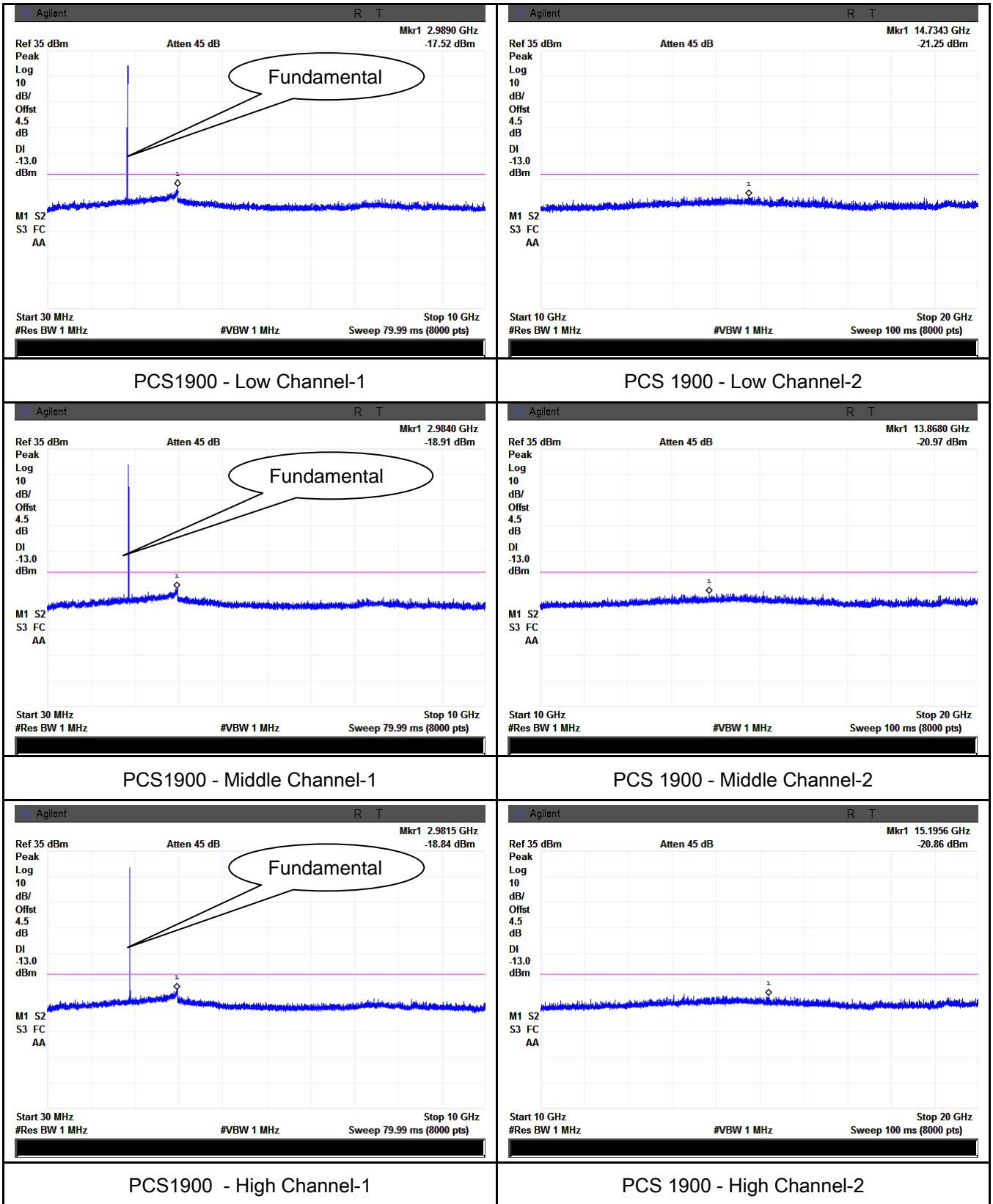
Test Data     Yes       N/A  
 Test Plot     Yes (See below)       N/A

**Test Plots**

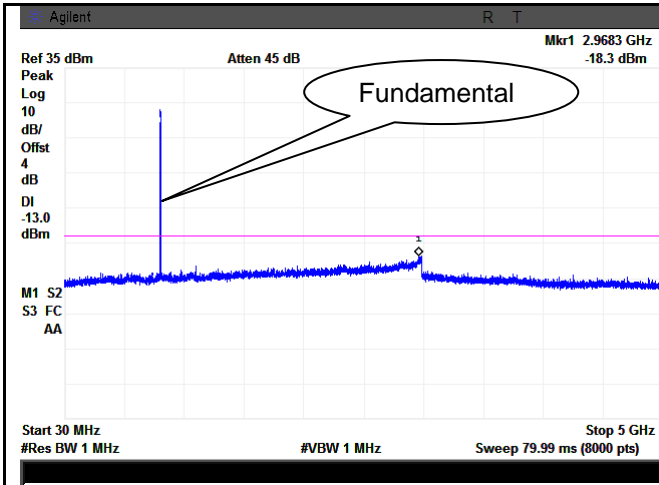
**Cellular Band (Part 22H) result**



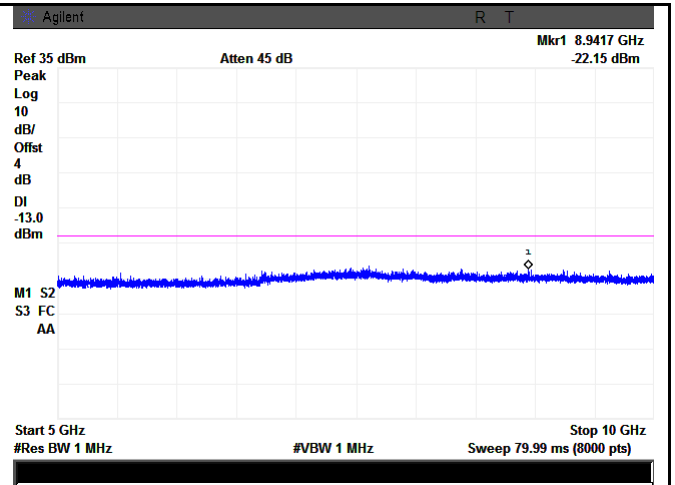
**PCS Band (Part24E) result**



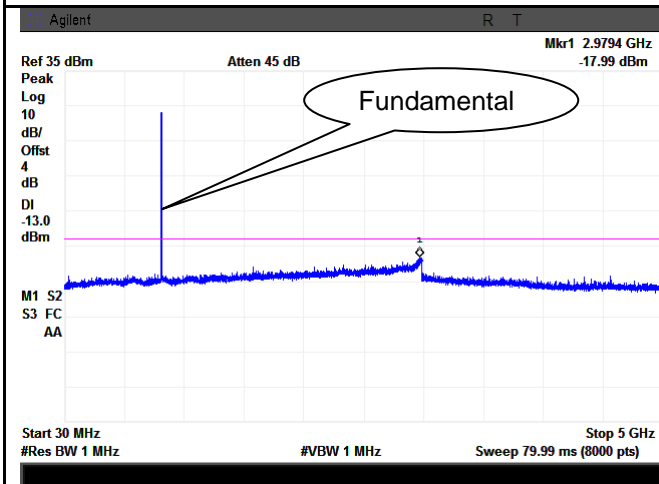
**UMTS-FDD Band V (Part 22H)**



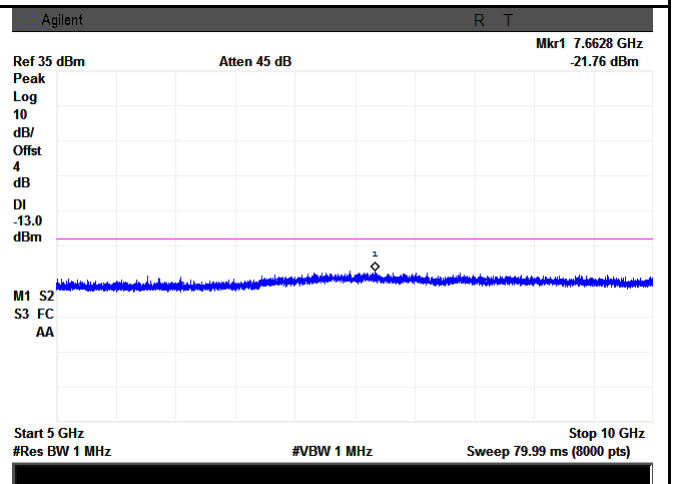
**Band V - Low Channel-1**



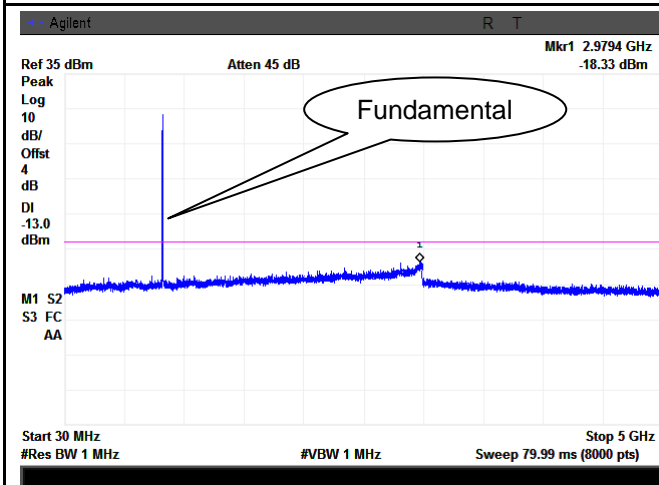
**Band V - Low Channel-2**



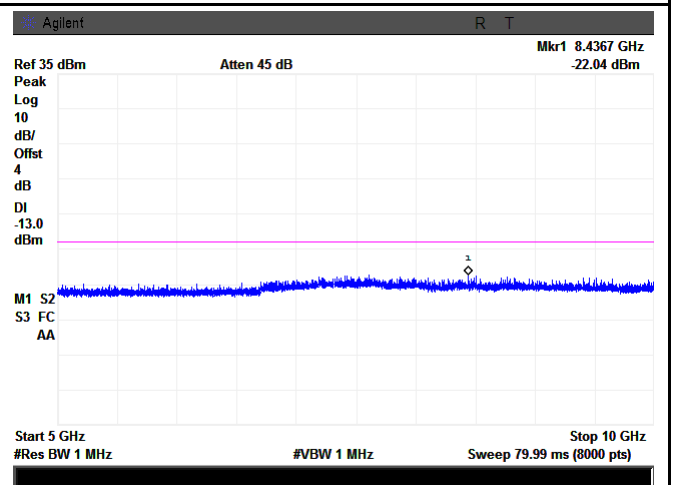
**Band V - Middle Channel-1**



**Band V - Middle Channel-2**

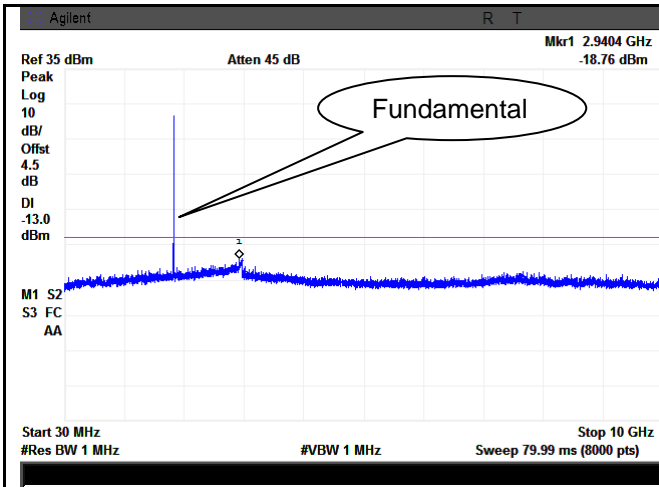


**Band V - High Channel-1**

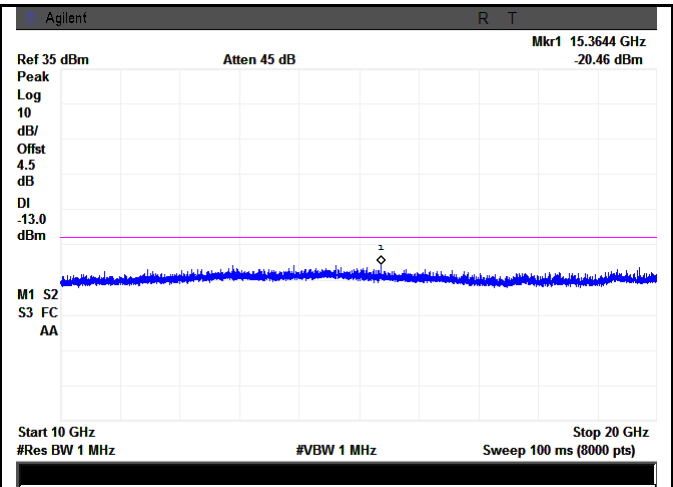


**Band V - High Channel-2**

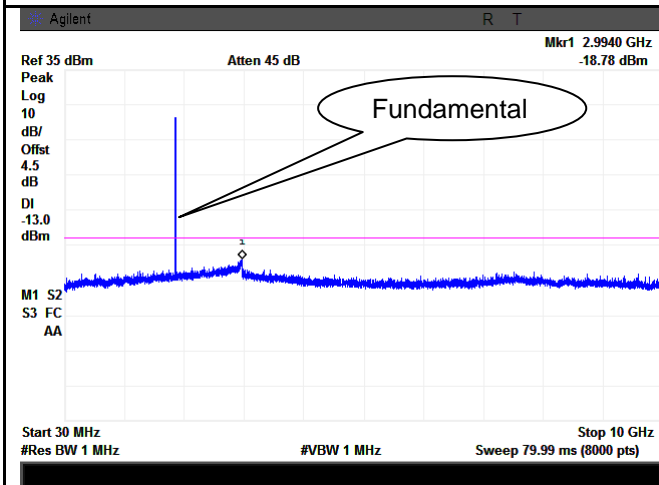
**UMTS-FDD Band II (Part 24E)**



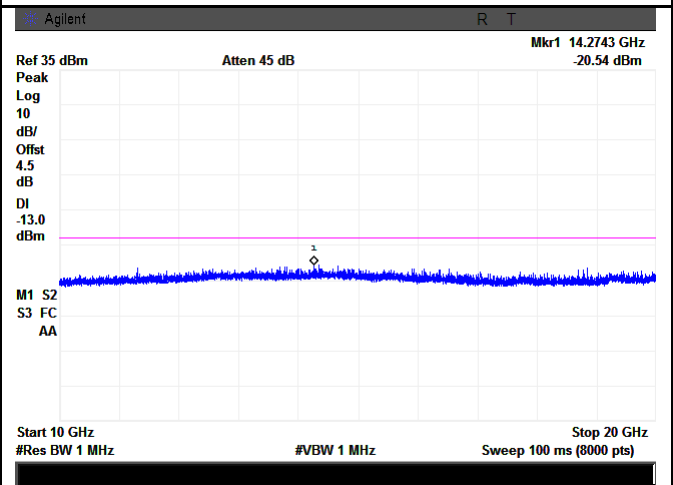
Band II - Low Channel-1



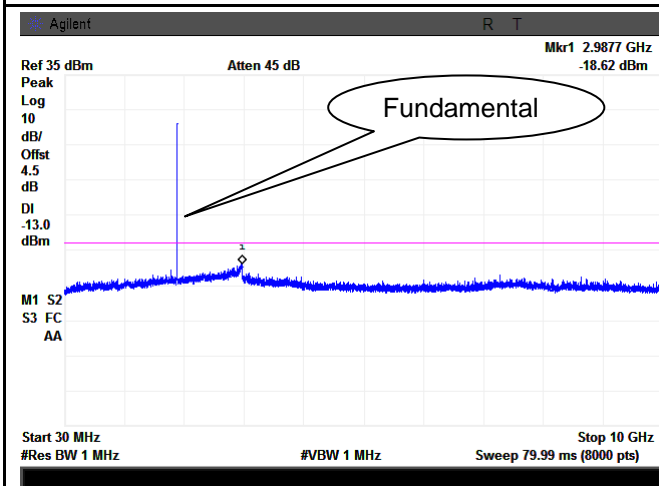
Band II - Low Channel-2



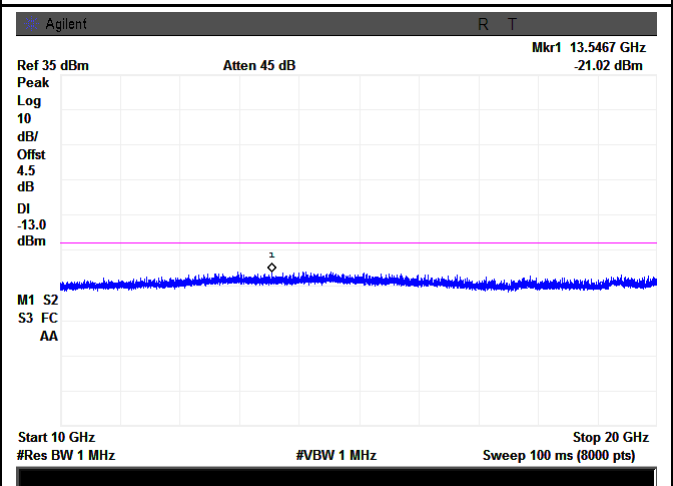
Band II - Middle Channel-1



Band II - Middle Channel-2

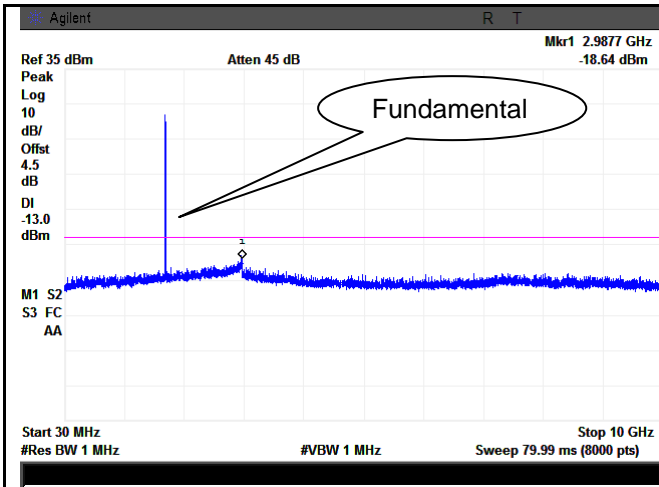


Band II - High Channel-1

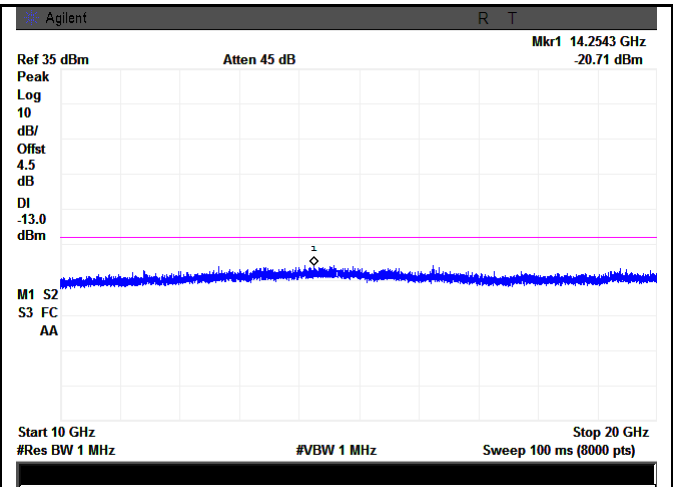


Band II - High Channel-2

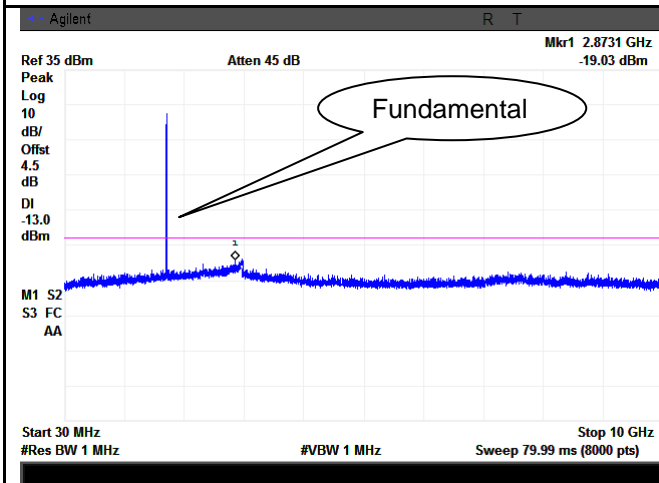
**UMTS-FDD Band IV (Part 27)**



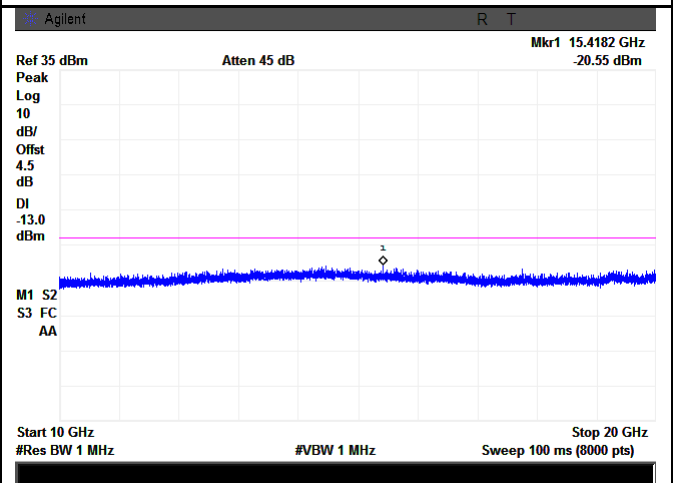
Band IV - Low Channel-1



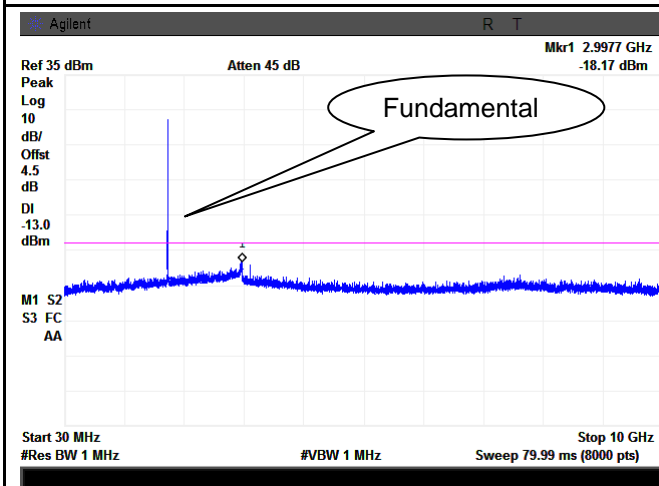
Band IV - Low Channel-2



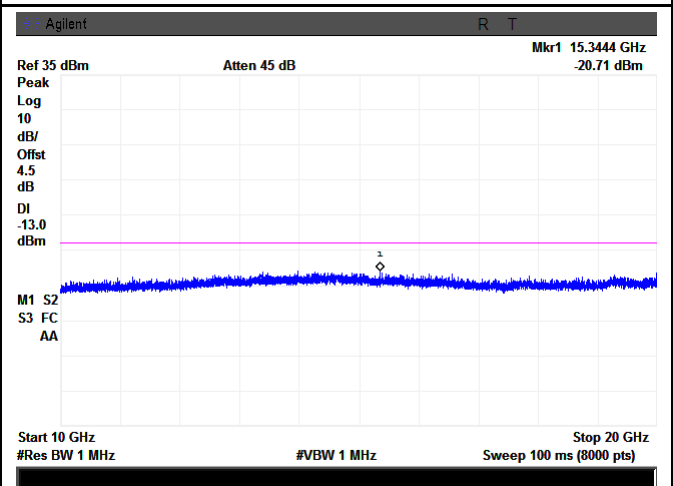
Band IV - Middle Channel-1



Band IV - Middle Channel-2



Band IV - High Channel-1



Band IV - High Channel-2

## 6.7 Spurious Radiated Emissions

Temperature	22°C
Relative Humidity	63%
Atmospheric Pressure	1011mbar
Test date :	Apr. 07, 2015
Tested By :	Winnie Zhang

### Requirement(s):

Spec	Item	Requirement	Applicable
§2.1053, §22.917 & §24.238 § 27.53(h)	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.	<input checked="" type="checkbox"/>

Test setup	
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Test Procedure	<ol style="list-style-type: none"> <li>The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.</li> <li>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.</li> <li>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.</li> </ol> <p>Sample Calculation:</p> $\text{EUT Field Strength} = \text{Raw Amplitude (dB}\mu\text{V/m)} - \text{Amplifier Gain (dB)} + \text{Antenna Factor (dB)} + \text{Cable Loss (dB)} + \text{Filter Attenuation (dB, if used)}$
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Remark	
--------	--



Result	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail
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Test Data  Yes  N/A

Test Plot  Yes (See below)  N/A

### Cellular Band (Part 22H) result

#### Low channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
1648.4	-37.96	V	7.95	0.78	-30.79	-13	-17.79
1648.4	-39.65	H	7.95	0.78	-32.48	-13	-19.48
295.9	-57.11	V	6.1	0.25	-51.26	-13	-38.26
587.6	-52.49	H	6.7	0.37	-46.16	-13	-33.16

#### 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	-38.56	V	7.95	0.78	-31.39	-13	-18.39
1673.2	-38.19	H	7.95	0.78	-31.02	-13	-18.02
296.2	-56.82	V	6.1	0.25	-50.97	-13	-37.97
588.1	-51.33	H	6.7	0.37	-45	-13	-32

#### 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	-38.44	V	7.95	0.78	-31.27	-13	-18.27
1697.6	-39.25	H	7.95	0.78	-32.08	-13	-19.08
295.7	-56.74	V	6.1	0.25	-50.89	-13	-37.89
586.9	-51.77	H	6.7	0.37	-45.44	-13	-32.44

## 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	-45.77	V	10.25	2.73	-38.25	-13	-25.25
3700.4	-46.29	H	10.25	2.73	-38.77	-13	-25.77
296.4	-56.73	V	6.1	0.25	-50.88	-13	-37.88
589.1	-52.04	H	6.7	0.37	-45.71	-13	-32.71

### Middle channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3760	-46.19	V	10.25	2.73	-38.67	-13	-25.67
3760	-45.83	H	10.25	2.73	-38.31	-13	-25.31
296.7	-57.43	V	6.1	0.25	-51.58	-13	-38.58
587.4	-53.11	H	6.7	0.37	-46.78	-13	-33.78

### 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	-45.89	V	10.36	2.73	-38.26	-13	-25.26
3819.6	-47.06	H	10.36	2.73	-39.43	-13	-26.43
296.3	-57.42	V	6.1	0.25	-51.57	-13	-38.57
586.4	-52.26	H	6.7	0.37	-45.93	-13	-32.93

## 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	-48.12	V	7.95	0.78	-40.95	-13	-27.95
1652.8	-47.95	H	7.95	0.78	-40.78	-13	-27.78
297.2	-57.29	V	6.1	0.25	-51.44	-13	-38.44
588.3	-52.31	H	6.7	0.37	-45.98	-13	-32.98

### 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	-47.33	V	7.95	0.78	-40.16	-13	-27.16
1670	-47.42	H	7.95	0.78	-40.25	-13	-27.25
296.3	-56.84	V	6.1	0.25	-50.99	-13	-37.99
589.1	-53.62	H	6.7	0.37	-47.29	-13	-34.29

### 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	-47.06	V	7.95	0.78	-39.89	-13	-26.89
1693.2	-45.76	H	7.95	0.78	-38.59	-13	-25.59
297.4	-56.77	V	6.1	0.25	-50.92	-13	-37.92
588.6	-53.61	H	6.7	0.37	-47.28	-13	-34.28

## 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	-44.82	V	10.25	2.73	-37.3	-13	-24.3
3704.8	-45.92	H	10.25	2.73	-38.4	-13	-25.4
297.3	-56.49	V	6.1	0.25	-50.64	-13	-37.64
586.6	-51.06	H	6.7	0.37	-44.73	-13	-31.73

### 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	-45.12	V	10.25	2.73	-37.6	-13	-24.6
3760	-46.22	H	10.25	2.73	-38.7	-13	-25.7
296.8	-57.37	V	6.1	0.25	-51.52	-13	-38.52
588.4	-50.72	H	6.7	0.37	-44.39	-13	-31.39

### 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	-46.17	V	10.36	2.73	-38.54	-13	-25.54
3815.2	-46.24	H	10.36	2.73	-38.61	-13	-25.61
298.6	-57.06	V	6.1	0.25	-51.21	-13	-38.21
587.3	-52.33	H	6.7	0.37	-46	-13	-33

## UMTS-FDD Band IV (Part 27)

### Low channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3424.8	-47.46	V	10.07	2.52	-39.91	-13	-26.91
3424.8	-48.02	H	10.07	2.52	-40.47	-13	-27.47
296.5	-56.22	V	6.1	0.25	-50.37	-13	-37.37
588.4	-51.49	H	6.7	0.37	-45.16	-13	-32.16

### Middle channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3480	-48.46	V	10.09	2.52	-40.89	-13	-27.89
3480	-48.52	H	10.09	2.52	-40.95	-13	-27.95
297.2	-55.96	V	6.1	0.25	-50.11	-13	-37.11
587.9	-50.71	H	6.7	0.37	-44.38	-13	-31.38

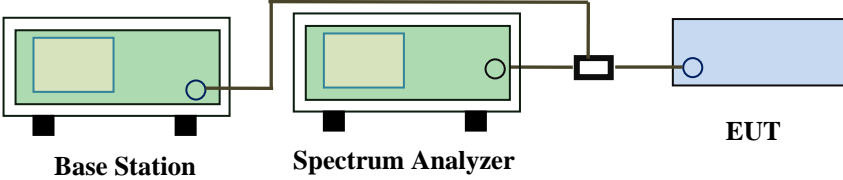
### High channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3505.2	-46.86	V	10.09	2.52	-39.29	-13	-26.29
3505.2	-47.77	H	10.09	2.52	-40.2	-13	-27.2
298.6	-56.34	V	6.1	0.25	-50.49	-13	-37.49
589.3	-50.42	H	6.7	0.37	-44.09	-13	-31.09

## 6.8 Band Edge

Temperature	22°C
Relative Humidity	63%
Atmospheric Pressure	1011mbar
Test date :	Apr. 07, 2015
Tested By :	Winnie Zhang

### Requirement(s):

Spec	Item	Requirement	Applicable
§22.917(a) §24.238(a) § 27.53(h)	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.	<input checked="" type="checkbox"/>
Test setup	 <p>The diagram shows a Base Station (green box) connected to a Spectrum Analyzer (green box) and an EUT (blue box) via a power divider. The Base Station and Spectrum Analyzer are connected to each other, and the Spectrum Analyzer is connected to the power divider, which then splits the signal to the EUT.</p>		
Procedure	<ul style="list-style-type: none"> <li>- The EUT was connected to Spectrum Analyzer and Base Station via power divider.</li> <li>- The Band Edges of low and high channels for the highest RF powers were measured. Setting RBW as roughly BW/100.</li> </ul>		
Remark			
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		

Test Data  Yes       N/A

Test Plot  Yes (See below)       N/A

### Cellular Band (Part 22H) result

Frequency (MHz)	Emission (dBm)	Limit (dBm)
823.9775	-13.18	-13
849.0200	-13.46	-13

### PCS Band (Part24E) result

Frequency (MHz)	Emission (dBm)	Limit (dBm)
1850.0000	-15.94	-13
1910.0200	-15.26	-13

### UMTS-FDD Band V (Part 22H)

Frequency (MHz)	Emission (dBm)	Limit (dBm)
823.9775	-21.98	-13
849.0200	-25.31	-13

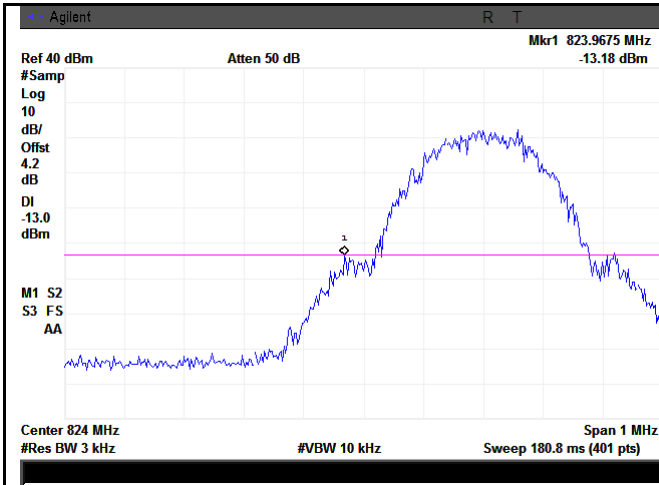
### UMTS-FDD Band II (Part 24E)

Frequency (MHz)	Emission (dBm)	Limit (dBm)
1850.0000	-25.03	-13
1910.0200	-25.81	-13

### UMTS-FDD Band IV (Part 27)

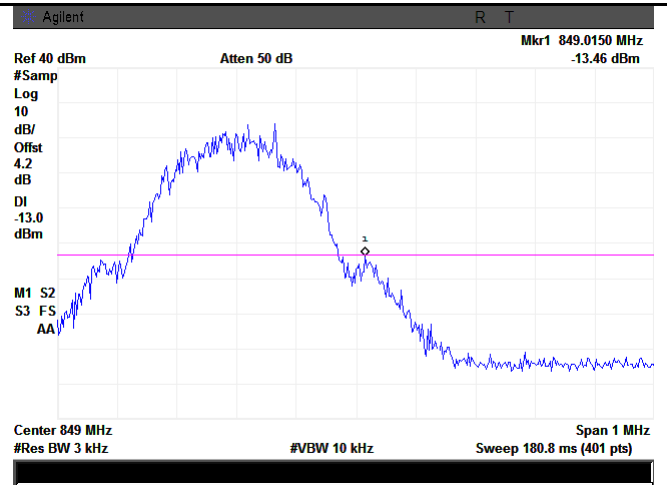
Frequency (MHz)	Emission (dBm)	Limit (dBm)
1710.0000	-25.11	-13
1755.0000	-24.47	-13

**Test Plots**



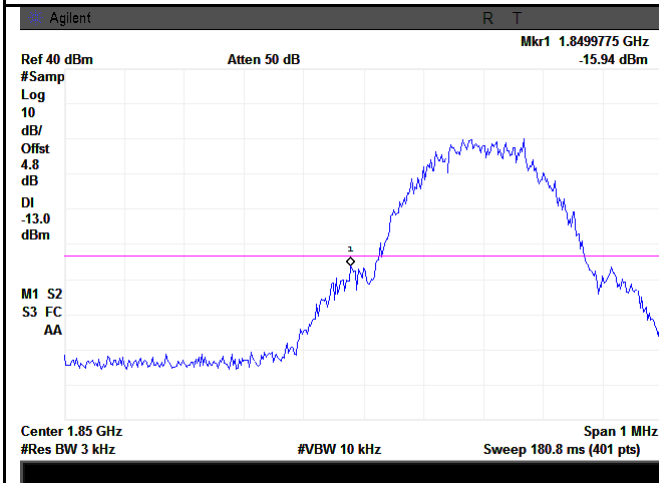
Cellular Band - Low Channel

Note: Offset=Cable loss (4.0) + 10log  
(3.15/3)=4.0+0.2=4.2 dB



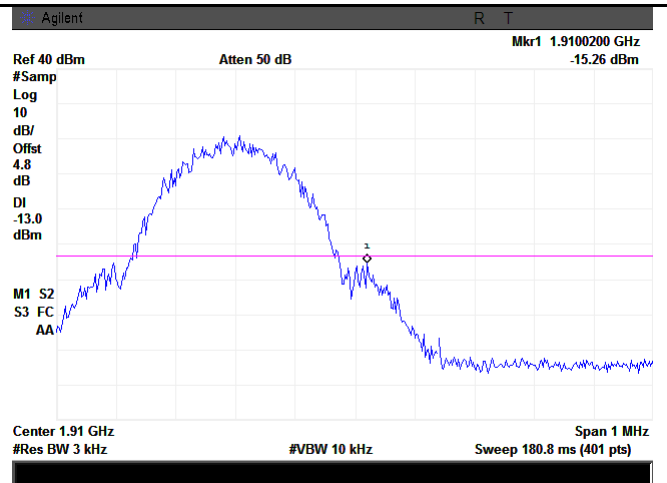
Cellular Band - High Channel

Note: Offset=Cable loss (4.0) + 10log  
(3.12/3)=4.0+0.2=4.2 dB



PCS Band - Low Channel

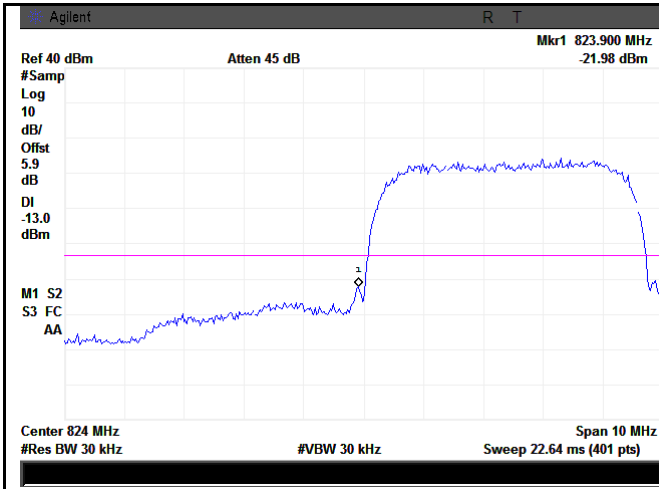
Note: Offset=Cable loss (4.5) + 10log  
(3.20/3)=4.5+0.3=4.8 dB



PCS Band - High Channel

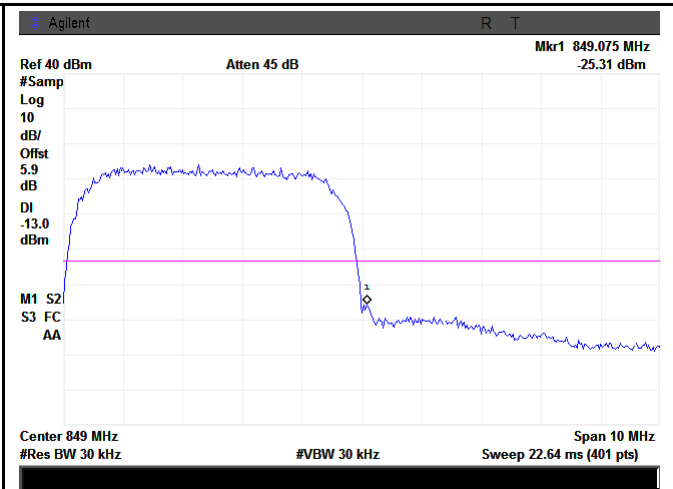
Note: Offset=Cable loss (4.5) + 10log  
(3.19/3)=4.5+0.3=4.8 dB





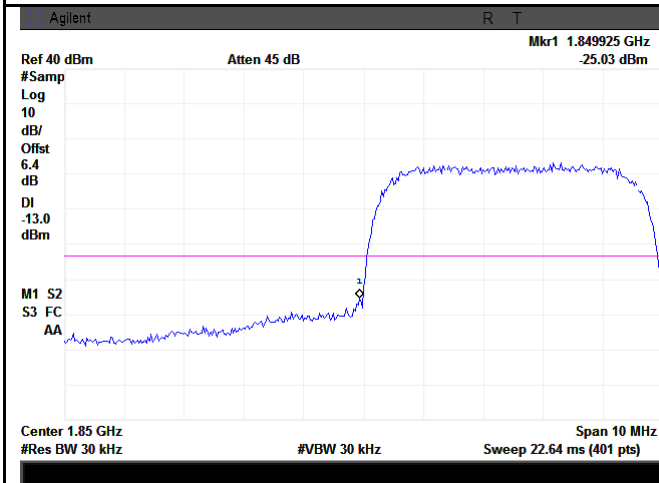
UMTS-FDD Band V - Low Channel

Note: Offset=Cable loss (4.0) + 10log  
 $(46.97/30)=4.0+1.9=5.9$  dB



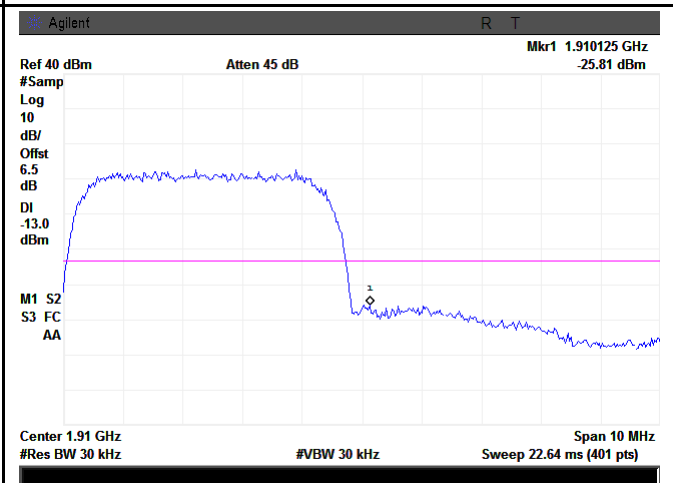
UMTS-FDD Band V - High Channel

Note: Offset=Cable loss (4.0) + 10log  
 $(46.73/30)=4.0+1.9=5.9$  dB



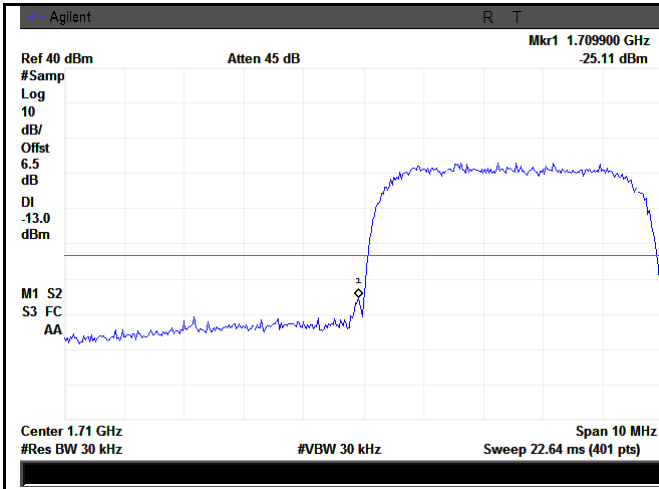
UMTS-FDD Band II - Low Channel

Note: Offset=Cable loss (4.5) + 10log  
 $(46.82/30)=4.5+1.9=6.4$  dB



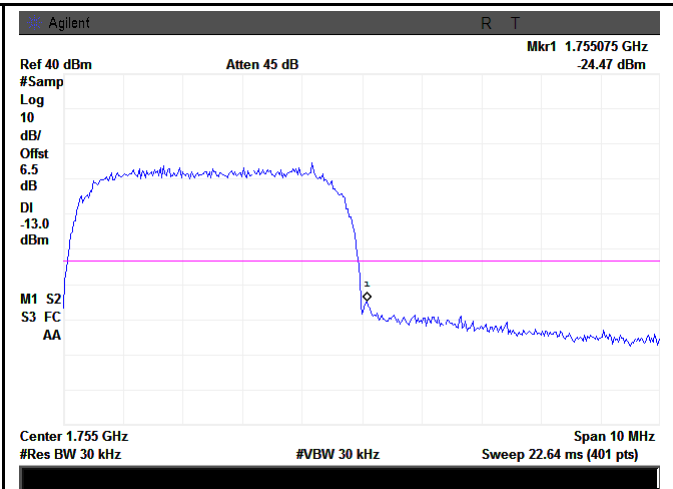
UMTS-FDD Band II - High Channel

Note: Offset=Cable loss (4.5) + 10log  
 $(47.33/30)=4.5+2.0=6.5$  dB



UMTS-FDD Band IV - Low Channel

Note: Offset=Cable loss (4.5) + 10log  
 (47.02/30)=4.5+2.0=6.5 dB



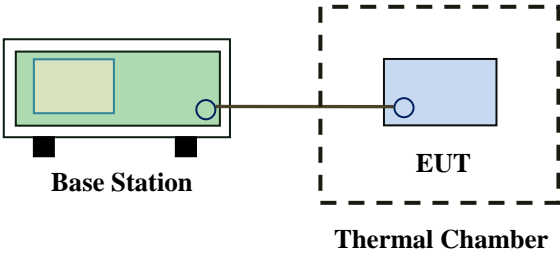
UMTS-FDD Band IV - High Channel

Note: Offset=Cable loss (4.5) + 10log  
 (47.24/30)=4.5+2.0=6.5 dB

## 6.9 Frequency Stability

Temperature	22°C
Relative Humidity	63%
Atmospheric Pressure	1011mbar
Test date :	Apr. 06, 2015
Tested By :	Winnie Zhang

### Requirement(s):

Spec	Item	Requirement	Applicable																																
§2.1055, §22.355 & §24.235 § 27.5(h); § 27.54	a)	According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below:  Frequency Tolerance for Transmitters in the Public Mobile Services	<input checked="" type="checkbox"/>																																
		<table border="1"> <thead> <tr> <th>Frequency Range (MHz)</th> <th>Base, fixed (ppm)</th> <th>Mobile ≤ 3 watts (ppm)</th> <th>Mobile ≤ 3 watts (ppm)</th> </tr> </thead> <tbody> <tr> <td>25 to 50</td> <td>20.0</td> <td>20.0</td> <td>50.0</td> </tr> <tr> <td>50 to 450</td> <td>5.0</td> <td>5.0</td> <td>50.0</td> </tr> <tr> <td>450 to 512</td> <td>2.5</td> <td>5.0</td> <td>5.0</td> </tr> <tr> <td>821 to 896</td> <td>1.5</td> <td>2.5</td> <td>2.5</td> </tr> <tr> <td>928 to 29</td> <td>5.0</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>929 to 960.</td> <td>1.5</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>2110 to 2220</td> <td>10.0</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table>		Frequency Range (MHz)	Base, fixed (ppm)	Mobile ≤ 3 watts (ppm)	Mobile ≤ 3 watts (ppm)	25 to 50	20.0	20.0	50.0	50 to 450	5.0	5.0	50.0	450 to 512	2.5	5.0	5.0	821 to 896	1.5	2.5	2.5	928 to 29	5.0	N/A	N/A	929 to 960.	1.5	N/A	N/A	2110 to 2220	10.0	N/A	N/A
		Frequency Range (MHz)		Base, fixed (ppm)	Mobile ≤ 3 watts (ppm)	Mobile ≤ 3 watts (ppm)																													
		25 to 50		20.0	20.0	50.0																													
		50 to 450		5.0	5.0	50.0																													
		450 to 512		2.5	5.0	5.0																													
		821 to 896		1.5	2.5	2.5																													
		928 to 29		5.0	N/A	N/A																													
929 to 960.	1.5	N/A	N/A																																
2110 to 2220	10.0	N/A	N/A																																
According to §24.235, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized frequency block.																																			
 <p style="text-align: center;"> <span>Base Station</span> <span style="margin-left: 150px;">EUT</span>  <span style="margin-left: 150px;">Thermal Chamber</span> </p>																																			

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Procedure	A communication link was established between EUT and base station. The frequency error was monitored and measured by base station under variation of ambient temperature and variation of primary supply voltage.  Limit: The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ( $\pm 2.5\text{ppm}$ ) of the center frequency.
Remark	
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Test Data     Yes                       N/A

Test Plot     Yes (See below)             N/A

### Cellular Band (Part 22H) result

Middle Channel, $f_0 = 836.6$ MHz				
Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-10	3.7	23	0.0275	2.5
0		18	0.0215	2.5
10		16	0.0191	2.5
20		8	0.0096	2.5
30		14	0.0167	2.5
40		20	0.0239	2.5
50		21	0.0251	2.5
55		27	0.0323	2.5
25	4.2	21	0.0251	2.5
	3.5	24	0.0287	2.5

### PCS Band (Part 22H) result

Middle Channel, $f_0 = 1880$ MHz				
Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-10	3.7	29	0.0154	2.5
0		21	0.0112	2.5
10		15	0.0080	2.5
20		9	0.0048	2.5
30		16	0.0085	2.5
40		21	0.0112	2.5
50		24	0.0128	2.5
55		28	0.0149	2.5
25	4.2	22	0.0117	2.5
	3.5	25	0.0133	2.5

### UMTS-FDD Band V (Part 22H)

Middle Channel, $f_0 = 835$ MHz				
Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-10	3.7	17	0.0204	2.5
0		15	0.0180	2.5
10		13	0.0156	2.5
20		10	0.0120	2.5
30		11	0.0132	2.5
40		18	0.0216	2.5
50		21	0.0251	2.5
55		23	0.0275	2.5
25	4.2	19	0.0228	2.5
	3.5	15	0.0180	2.5

### UMTS-FDD Band II (Part 24E)

Middle Channel, $f_0 = 1880$ MHz				
Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-10	3.7	17	0.0090	2.5
0		11	0.0059	2.5
10		9	0.0048	2.5
20		6	0.0032	2.5
30		8	0.0043	2.5
40		13	0.0069	2.5
50		18	0.0096	2.5
55		19	0.0101	2.5
25	4.2	8	0.0043	2.5
	3.5	11	0.0059	2.5

**UMTS-FDD Band IV (Part 27)**

Middle Channel, $f_0 = 1880$ MHz				
Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-10	3.7	10	0.0053	2.5
0		7	0.0037	2.5
10		5	0.0027	2.5
20		4	0.0021	2.5
30		6	0.0032	2.5
40		7	0.0037	2.5
50		9	0.0048	2.5
55		14	0.0074	2.5
25		4.2	12	0.0064
	3.5	15	0.0080	2.5

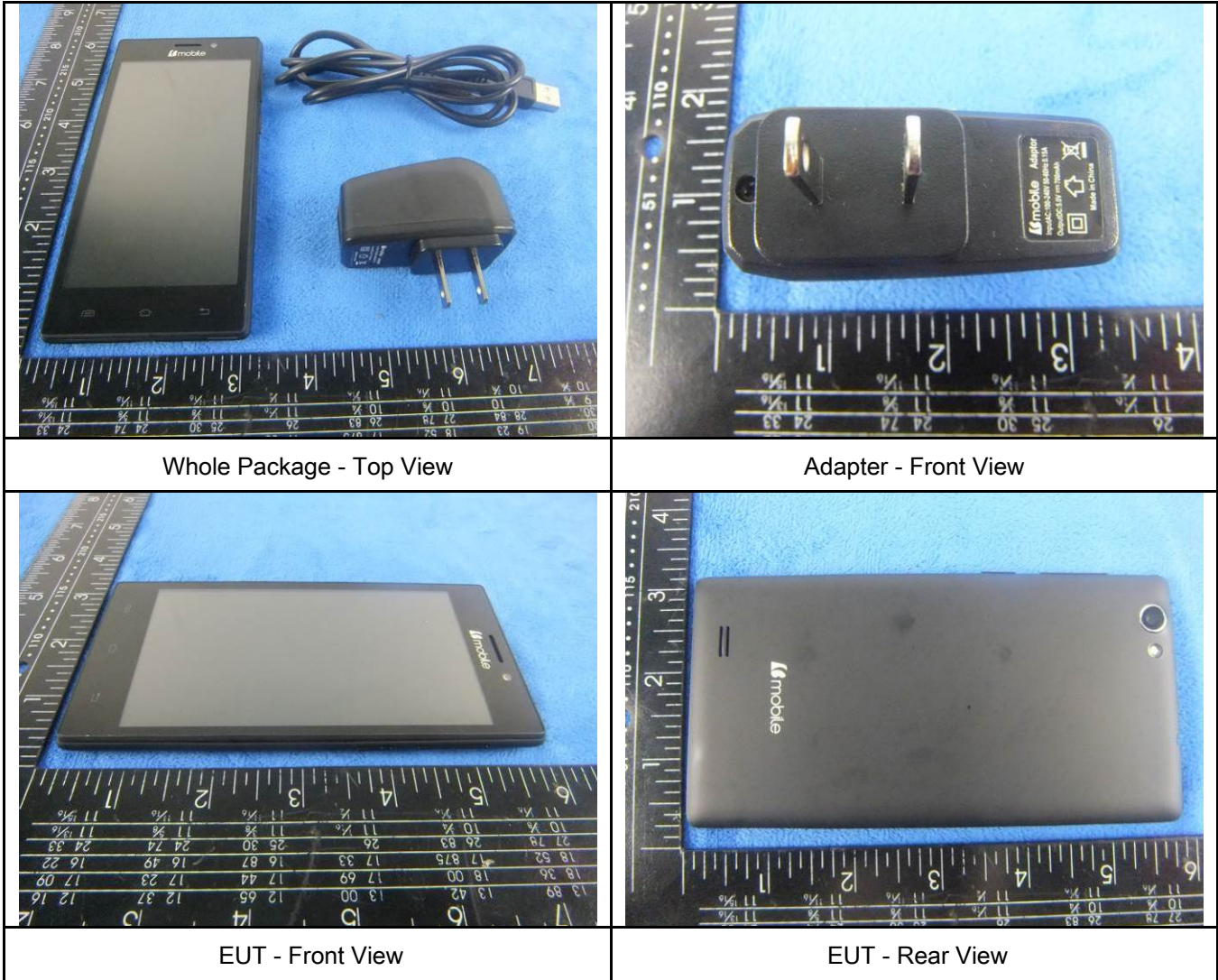
## Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
<b>RF Conducted Test</b>					
Agilent ESA-E SERIES SPECTRUM ANALYZER	E4407B	MY45108319	09/17/2014	09/16/2015	<input checked="" type="checkbox"/>
Power Splitter	1#	1#	09/02/2014	09/01/2015	<input checked="" type="checkbox"/>
Universal Radio Communication Tester	CMU200	121393	09/26/2014	09/25/2015	<input checked="" type="checkbox"/>
Temperature/Humidity Chamber	UHL-270	001	10/10/2014	10/09/2015	<input checked="" type="checkbox"/>
DC Power Supply	E3640A	MY40004013	09/18/2014	09/17/2015	<input checked="" type="checkbox"/>
<b>Radiated Emissions</b>					
EMI test receiver	ESL6	100262	09/18/2014	09/17/2015	<input checked="" type="checkbox"/>
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	09/02/2014	09/01/2015	<input checked="" type="checkbox"/>
Microwave Preamplifier (1 ~ 26.5GHz)	8449B	3008A02402	10/04/2015	10/04/2016	<input checked="" type="checkbox"/>
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/22/2014	09/21/2015	<input checked="" type="checkbox"/>
Bilog Antenna (30MHz~2GHz)	JB1	A112017	09/22/2014	09/21/2015	<input checked="" type="checkbox"/>
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71259	09/25/2014	09/24/2015	<input checked="" type="checkbox"/>
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/25/2014	09/24/2015	<input checked="" type="checkbox"/>
SYNTHESIZED SIGNAL GENERATOR	8665B	3744A01293	09/18/2014	09/17/2015	<input checked="" type="checkbox"/>
Tunable Notch Filter	3NF-800/1000-S	AA4	09/02/2014	09/01/2015	<input checked="" type="checkbox"/>
Tunable Notch Filter	3NF-1000/2000-S	AM 4	09/02/2014	09/01/2015	<input checked="" type="checkbox"/>



**Annex B. EUT And Test Setup Photographs**

**Annex B.i. Photograph: EUT External Photo**

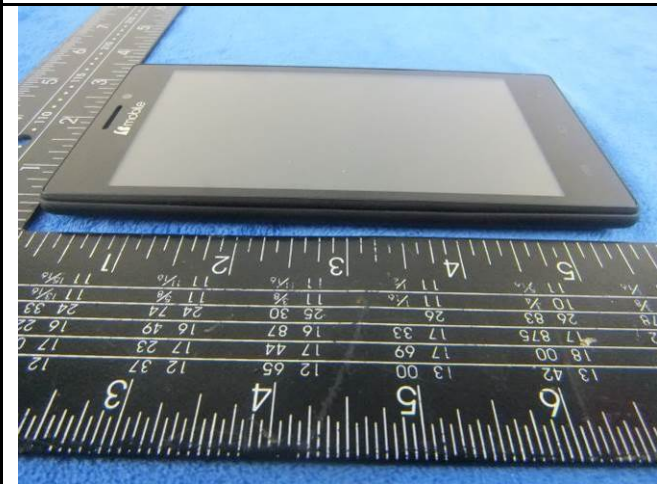




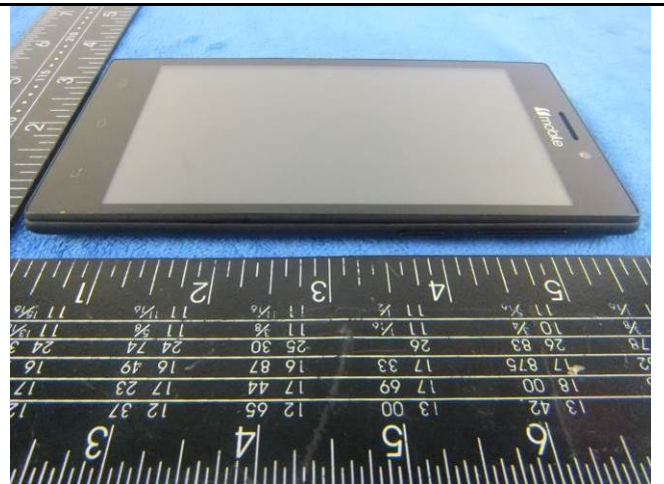
EUT - Top View



EUT - Bottom View



EUT - Left View



EUT - Right View



**Annex B.ii. Photograph: EUT Internal Photo**



Cover Off - Top View 1



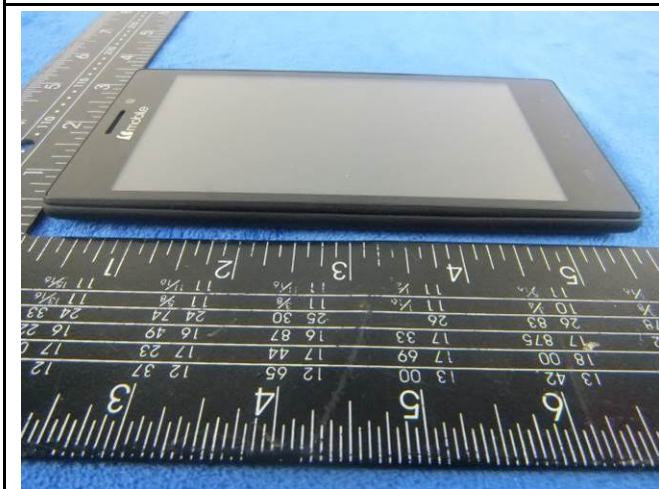
Cover Off - Top View 2



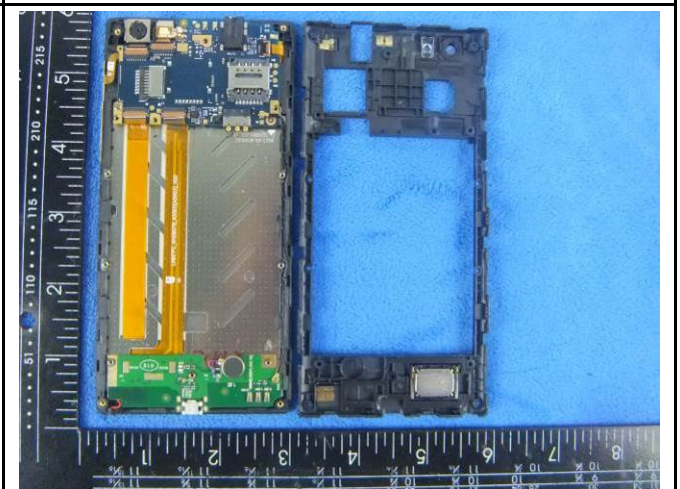
Battery - Top View



Battery - Bottom View

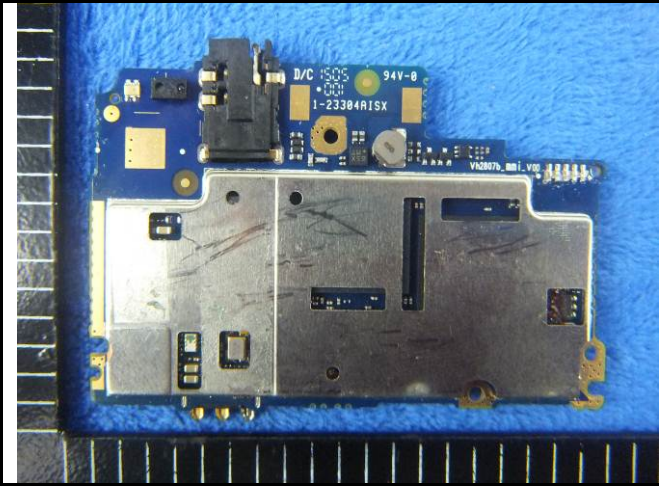


LCD - Front View

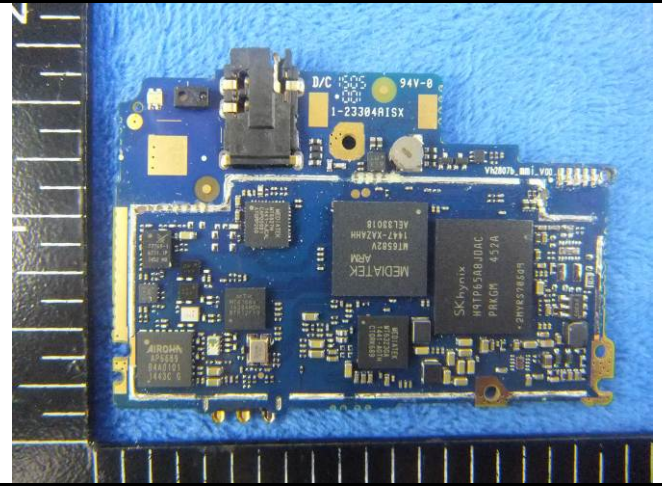


LCD - Rear View

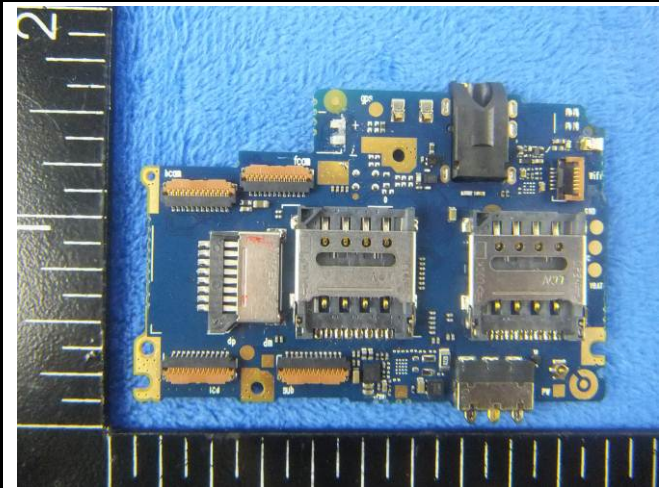




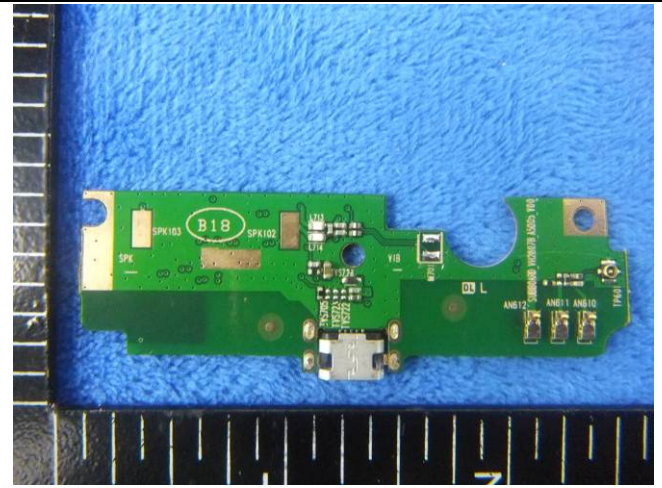
Mainboard With Shielding - Front View



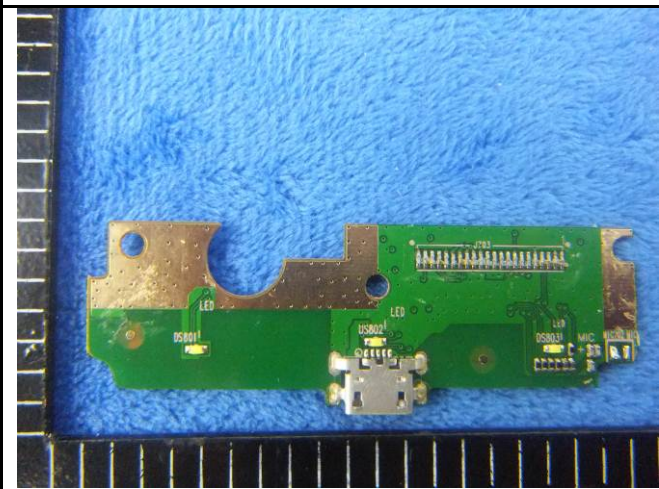
Mainboard Without Shielding - Front View



Mainboard - Rear View



Connect board - Front View



Connect board - Rear View



GSM/PCS/UMTS-FDD Antenna View



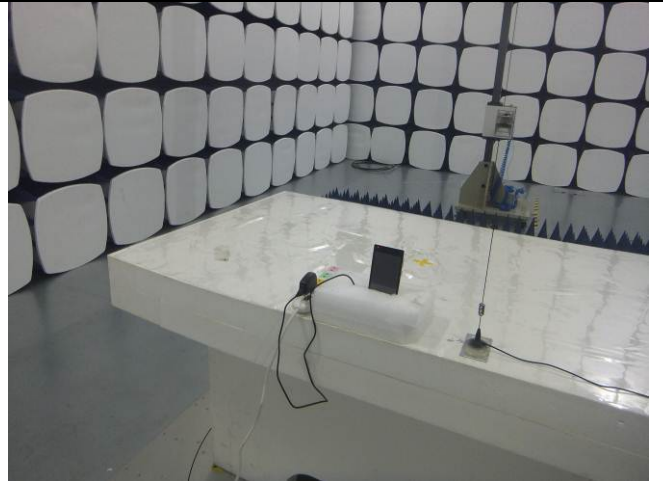
BT/ WIFI Antenna View



**Annex B.iii. Photograph: Test Setup Photo**



Radiated Spurious Emissions Test Setup Below 1GHz

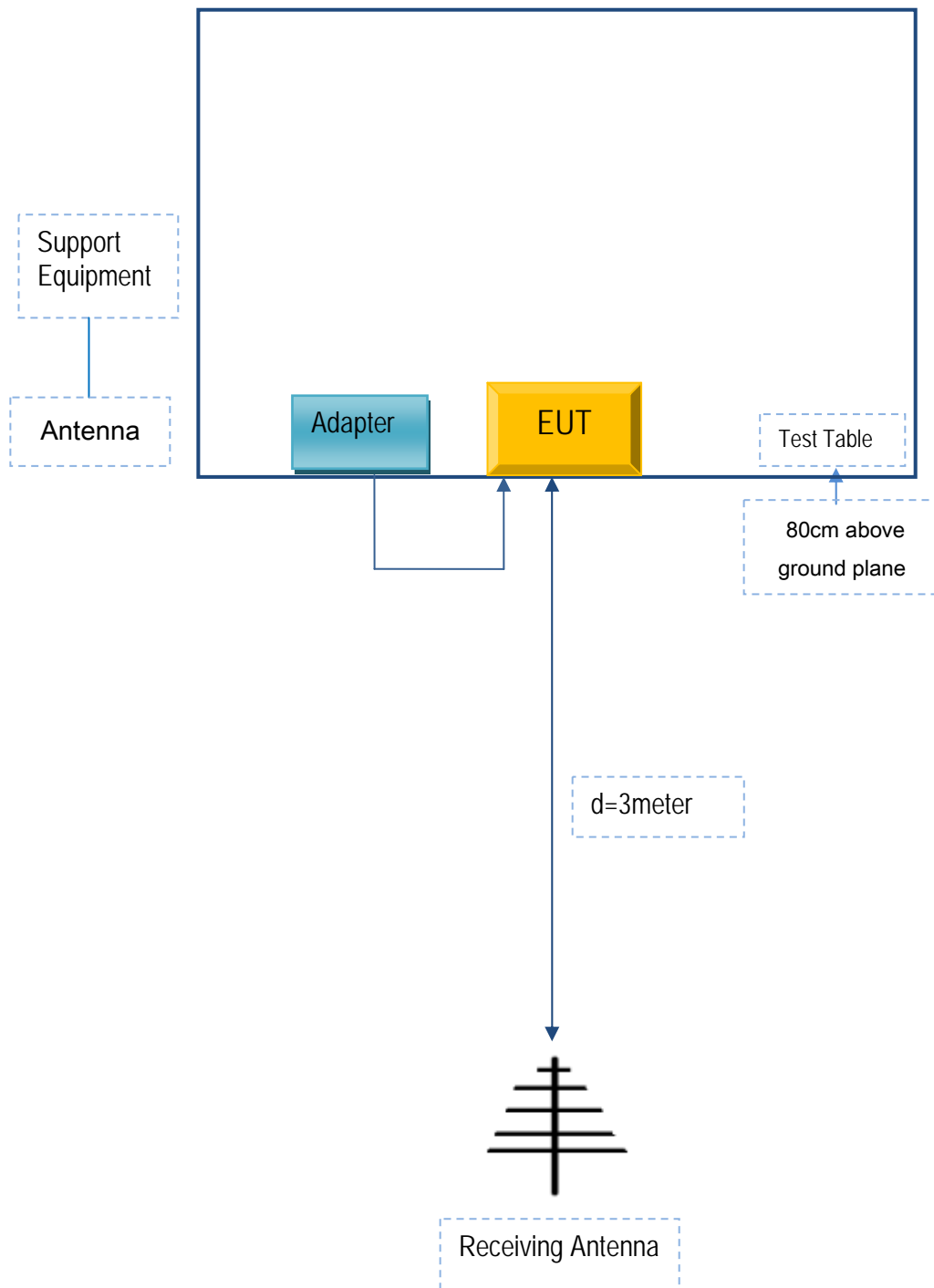


Radiated Spurious Emissions Test Setup Above  
1GHz

## Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

### Annex C.ii. TEST SET UP BLOCK

#### Block Configuration Diagram for Radiated Emissions



**Annex C. ii. SUPPORTING EQUIPMENT DESCRIPTION**

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

Manufacturer	Equipment Description	Model	Calibration Date	Calibration Due Date
N/A	N/A	N/A	N/A	N/A



## Annex C.ii. EUT OPERATING CONKITIONS

The following is the description of how the EUT is exercised during testing.

Test	Description Of Operation
<b>Emissions Testing</b>	The EUT was communicating with base station and set to work at maximum output power.
<b>Others Testing</b>	The EUT was communicating with base station and set to work at maximum output power.

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

Please see attachment

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## Annex E. DECLARATION OF SIMILARITY

N/A