



47 CFR PART 22 H

# TEST REPORT

of

## CDMA Phone

Model Name: FX-803C  
Brand Name: Motorola  
Report No.: SZ08090153E01  
FCC ID: VH4FX803C

prepared for

## LINKTOP TECHNOLOGY CO., LTD.

Guangye Building, Torch Hi-Tech Industrial Development Zone, Xiamen, China



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## 1. Test Result Certification

Equipment under Test: CDMA Phone

Brand Name: Motorola  
Model Name: FX-803C  
FCC ID: VH4FX803C

Applicant: LINKTOP TECHNOLOGY CO., LTD.  
Guangye Building, Torch Hi-Tech Industrial Development Zone, Xiamen,  
China

Manufacturer: LINKTOP TECHNOLOGY CO., LTD.  
Guangye Building, Torch Hi-Tech Industrial Development Zone, Xiamen,  
China

Emission Designator: 1M25F9W  
Test Standards: 47 CFR Part 2  
47 CFR Part 22 Subpart H  
Test Date(s): November 10, 2008 - November 20, 2008  
Test Result: PASS

### \* We Hereby Certify That:

The equipment under test was tested by Shenzhen Morlab Communications Technology Co., Ltd. The test data, data evaluation, test procedures and equipment configurations shown in this report were made in accordance with the requirement of related FCC rules.

The test results of this report only apply for the tested sample equipment identified above. The test report shall be invalid without all the signatures of the test engineer, the reviewer and the approver.

Tested by: Li Yi Dated: 2008.11.29  
Li Yi

Reviewed by: Wei Yanquan Dated: 2008.11.29  
Wei Yanquan

Approved by: Shu Luan Dated: 2008.11.29  
Shu Luan



## 2. General Information

### 2.1 Equipment under Test (HANDSET) Description

Description .....: CDMA Phone  
 Model Name .....: FX-803C  
 Serial No.....: (n.a, marked #1 by test site)  
 MEID.....: (n.a)  
 Hardware Version .....: FX-803C-02  
 Software Version .....: LT\_WP821NV1.0.0B09\_0905.bin  
 Modulation .....: CDMA 1X  
 Frequency .....: Tx: 824.7 – 848.31 MHz; Rx: 869.7-893.31MHz  
 Power Supply: .....: The EUT was powered supply by Accessory Equipment 1  
 Accessory Equipment 1 .....: Battery  
     Brand name: BOFUNENG  
     Model Name: FX-802C/FX-803C (PN: 11W0019)  
     Capacitance: 500mAh  
     Rated voltage: 3.6V  
     Charge limited: 4.3V  
     Manufacturer: SHEN ZHEN BO FU NENG BATTERY CO.,LTD  
     Manufacturer Address: No.30, Xingyue Road, C district, Shishan Technology Industrial Park, Nanhai district, Foshan, China.  
 Accessory Equipment 2.....: AC Adapter (Charger for Desk Charger)  
     Brand Name: RUIDE  
     Model Name: STC-A22O50C55-C  
     Serial No.: (n.a. marked #1 by test site)  
     Rated Input: 100-240V, 0.2A,50/60Hz  
     Rated Output: 5.0V, 650mA  
     Manufacturer: Ruide Electronical Industrial Co.Ltd  
     Manufacturer Address: Floor 2nd, Buidling 2nd, Mingqi Technology Park, Honghualing North district, Xili Town, Nanshan District, Shenzhen, China.  
     Wire Length: 145cm  
 Desk Charger .....: Sample Description: Zigbee  
     Model Name: FX-903C  
     Charger for Accessory Equipment 1 and keep the Handset in leash.

### Test Sample Skech



The Desk Charger is used to keep the handset in leash. When the handset works normally, a communication link is eastablished to the Desk Charger (2.4G). The handset can work appropriately only if this 2.4G communication link is eastablished.

### NOTE:

1. By the FX803C composition of the Handset (EUT) and the Desk Charger, and only the Handset tested in this report.
2. The Handset (EUT) is a model of CDMA 1X mobile station operating in Cellular band.
3. The normal configuration for the Handset is the Mobile Phone (MS) associated with ancillary equipments e.g. the Battery and/or the AC Adapter (Charger).
4. For detailed features about the HANDSET, please see user manual supplied by the applicant.

## 2.2 Test Standards and Results

The objective of the report is to perform tests according to 47 CFR Part 2, Part 22 for FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 2 (10-1-05 Edition)	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
3	47 CFR Part 22 (10-1-05 Edition)	Public Mobile Services

Test detailed items and the results are as below:

No.	Rules	Test Type	Result	Date of Test
FCC Part 22 Requirement				
1	§2.106 §22.905	Frequencies	PASS	2008-11-13
2	§2.1046	Conducted RF Output Power at Antenna Terminal	PASS	2008-11-13
3	§2.1049	Occupied Bandwidth	PASS	2008-11-13
4	§2.1051 §2.1057 §22.917	Conducted Spurious Emission at Antenna Terminal	PASS	2008-11-13
5	§22.913	Transmitter Radiated Power (EIPR/ERP)	PASS	2008-11-13
6	§2.1053 §2.1057 §22.917	Radiated Spurious Emission	PASS	2008-11-13
7	§2.1055 §22.355	Frequency Stability	PASS	2008-11-13



## 2.3 Facilities and Accreditations

### 2.3.1 Facilities

Shenzhen Electronic Product Quality Testing Center Morlab Laboratory is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is CNAS L1659.

All measurement facilities used to collect the measurement data are located at Electronic Testing Building, Shahe Road, Xili, Nanshan District, Shenzhen, P. R. China. The site was constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22, the FCC registration number is 741109.

### 2.3.2 Test Equipments

No.	Description	Specification
1	System Simulator	Manufacturer: Rohde&Schwarz Model No.: CMU200 Serial No.: 100448
2	System Simulator	Manufacturer: Agilent Model No.: E5515C Serial No.: GB43130131
3	Spectrum Analyzer	Manufacturer: Agilent Model No.: E7405A Serial No.: US44210471
4	Telecommunication Antenna	Manufacturer: European Antennas Model No.: PSA-45010R/356 Serial No.: 403688-001
5	Trilogy Antenna	Manufacturer: Schwarzbeck Model No.: VULB 9163 Serial No.: 9163-274
6	Horn Antenna	Manufacturer: Schwarzbeck Model No.: BBHA 9120C Serial No.: 9120C-384
7	Power Splitter	Manufacturer: WEINSCHEL Model No.: 1506A Serial No.: NW521
8	Anechoic Chamber	Manufacturer: Albatross Projects GmbH
9	DC Power Supply	Manufacturer: Good Will Instrument Co., Ltd.
10	Temperature Chamber	Manufacturer: Chongqing YinHe Experimental Equip. Co., Ltd.



**NOTE:**

1. Equipments listed above have been calibrated and are in the period of validation.

**2.3.3 Test Environment Conditions**

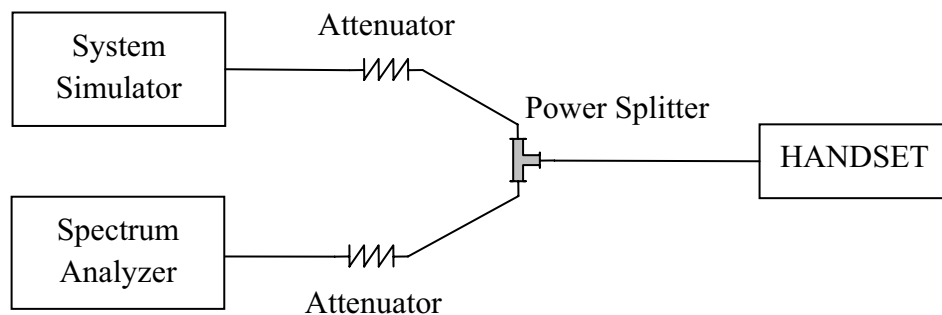
During the measurement, the environmental conditions were within the listed ranges:

Temperature:	20 - 25°C
Relative Humidity:	40 - 60%
Atmospheric Pressure:	86-106kPa

### 3. 47 CFR Part 2, Part 22H Requirements

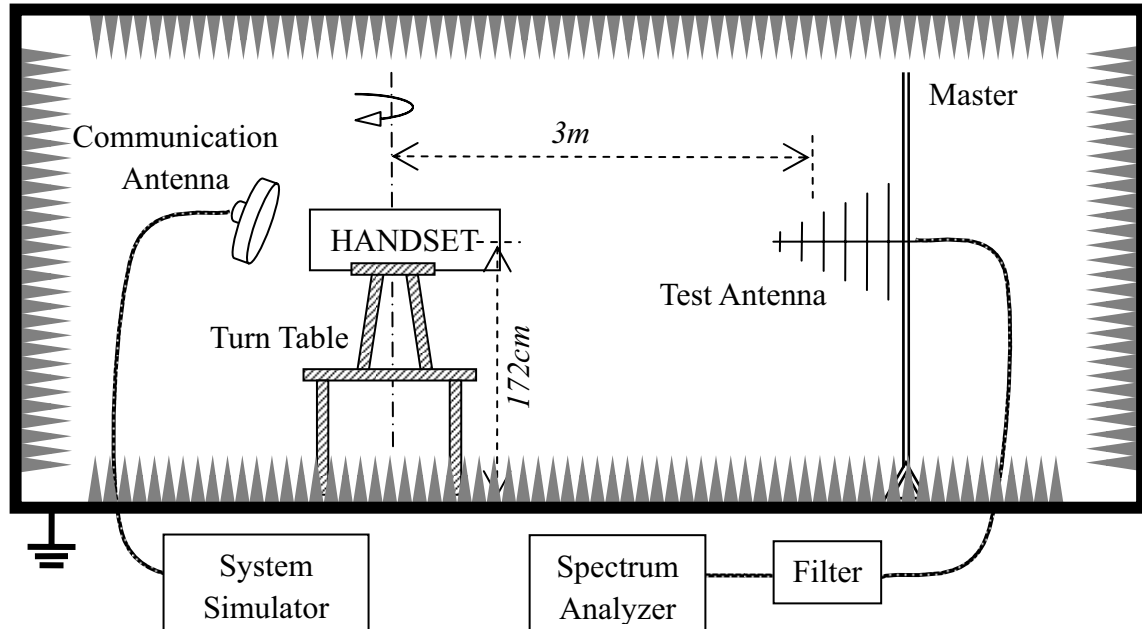
#### 3.1 General Information

##### 3.1.1 Conducted Related Tests



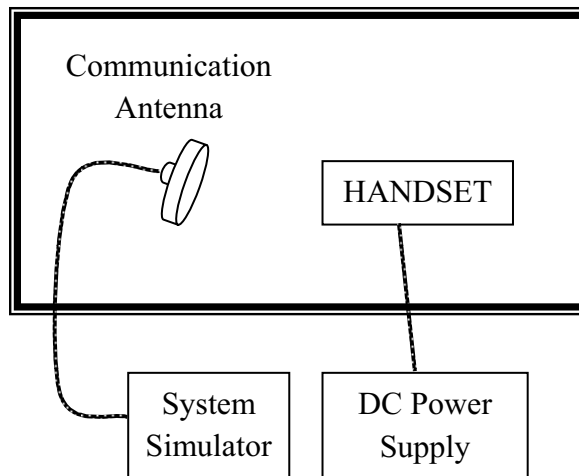
1. The HANDSET is coupled to the Spectrum Analyzer and the System Simulator with the suitable Attenuators through the Power Splitter; the path loss is calibrated to correct the reading.
2. The HANDSET is configured here as MS + Battery.
3. The HANDSET is commanded via the System Simulator (SS) to operate at the maximum output power .A communication link is established between the HANDSET and the SS.
4. The Spectrum Analyzer is set to max-peak detector function and maximum hold mode.

### 3.1.2 Radiated Power and Spurious Emission Tests



1. The test is performed in a full-Anechoic Chamber; the air loss of the site and the factors of the test system are pre-calibrated using the substitution method.
2. The HANDSET is configured as MS + Battery.
3. The HANDSET is placed on the vertical axis of a Turn Table 1.72 meters above the ground.
4. The Test Antenna is a bi-log one or a horn one, and the Test Antenna is at the same height as the HANDSET.
5. The HANDSET is commanded via the System Simulator (SS) to operate at the maximum output power. A communication link is established between the HANDSET and the SS.
6. The Spectrum Analyzer is set to max-peak detector function and maximum hold mode.

### 3.1.3 Frequency Stability Test



1. The test is performed in a Temperature Chamber.
2. The HANDSET is configured as MS + DC Power Supply.

## **3.2 Frequencies**

### **3.2.1 Requirement**

According to FCC §22.905, the frequencies blocks assignment for the Cellular Radiotelephone Service are listed as below.

- (a) Channel Block A:
  - Mobile 824 - 835MHz, Base 869 - 880MHz;
  - Mobile 845 - 846.5MHz, Base 890 - 891.5MHz
- (b) Channel Block B:
  - Mobile 835 - 845 MHz, Base 880 - 890MHz;
  - Mobile 846.5 - 849 MHz, Base 891.5 - 894MHz

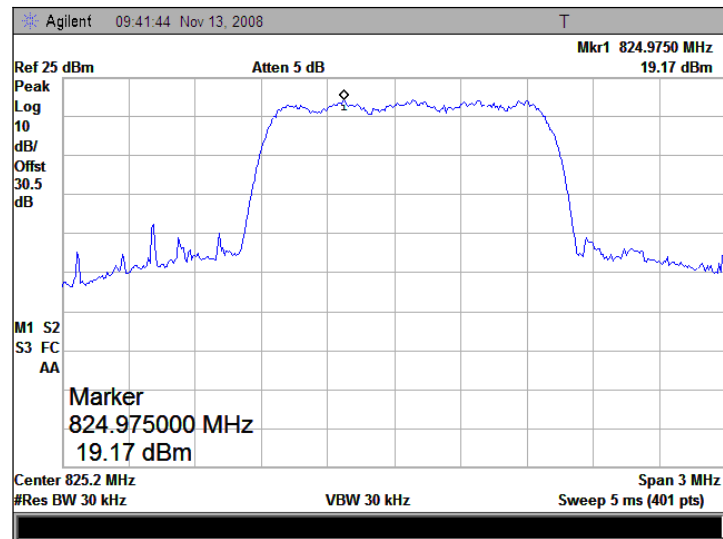
### **3.2.2 Test Procedure**

1. Perform test system setup as section 3.1.1.
2. The resolution bandwidth (RBW) of the Spectrum Analyzer was set to at least 1% of the emission bandwidth of the fundamental emission of the transmitter, e.g. for GSM modulated signal (here used):  $RBW=VBW=3kHz$ , for CDMA modulated signal:  $RBW=VBW=30kHz$ .
3. The transmitter frequency arrangement of the Cellular 850MHz band employed by the HANDSET should be from 825.27MHz to 847.74MHz. The lowest and the highest channel were selected to perform tests respectively. Set the TCH number to 9.
4. Set the Spectrum Analyzer suitably to capture the waveform, search peak and mark, and then record the plot.
5. Set the TCH number to 758, then repeat step 5.

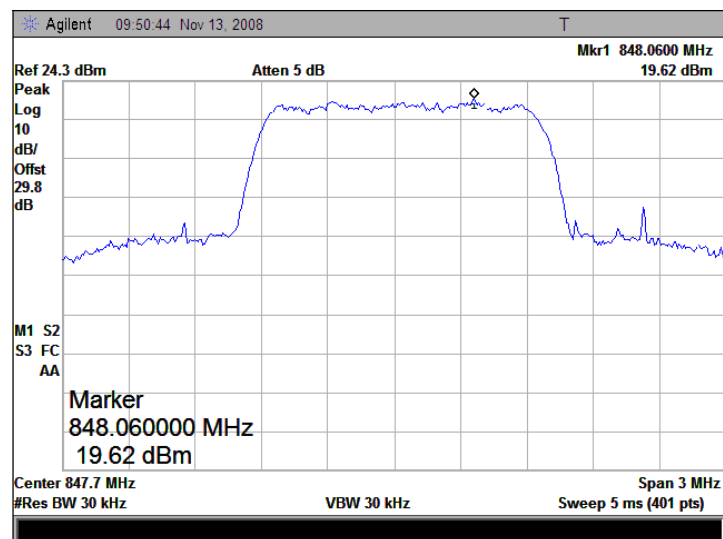
### **3.2.3 Test Result**

The frequencies of the lowest channel and the highest channel are as the following figures.

1. Plot when the TCH number set to 9:



2. Plot when the TCH number set to 758:



### 3.3 Conducted RF Output Power

#### 3.3.1 Requirement

According to FCC §2.1046 (a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in §2.1033 (c)(8). The electrical characteristics of the radio frequency load attached to the output terminals when this test is made shall be stated.

#### 3.3.2 Test Procedure

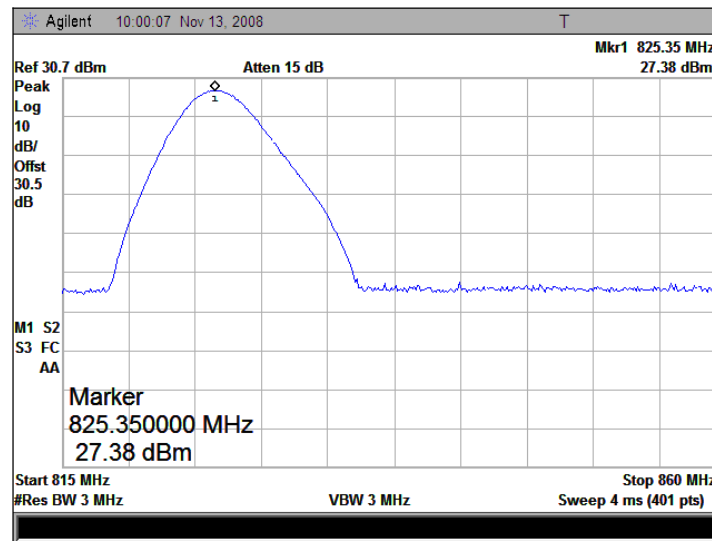
1. Perform test system setup as section 3.1.1 (the radio frequency load attached to the HANDSET antenna terminal is  $50\Omega$ ).
2. The resolution bandwidth of the Spectrum Analyzer is set to be comparable to the emission bandwidth of the transmitter, e.g. for GSM modulated signal (here used):  $RBW=VBW=1\text{MHz}$ , for CDMA modulated signal:  $RBW=VBW=3\text{MHz}$ .
3. The low, middle and the high channels are selected to perform tests respectively. Set the TCH number to 9 as the low channel.
4. Set the frequency range of the Spectrum Analyzer suitably to capture the waveform; search peak and mark it; finally record the peak and the plot.
5. Set the TCH number to 384 as the middle channel, then repeat step 4.
6. Set the TCH number to 758 as the high channel, then repeat step 4.

#### 3.3.3 Test Result

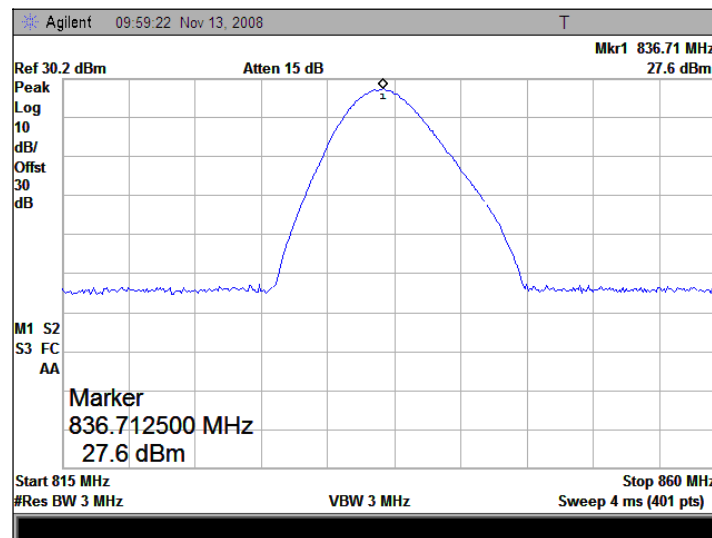
No.	Channel Number	Frequency (MHz)	Measured Power		Rated Power	
			dBm	W	dBm	W
1	9	825.27	27.38	0.55	33	2
2	384	836.52	27.6	0.58	33	2
3	758	847.74	26.91	0.49	33	2



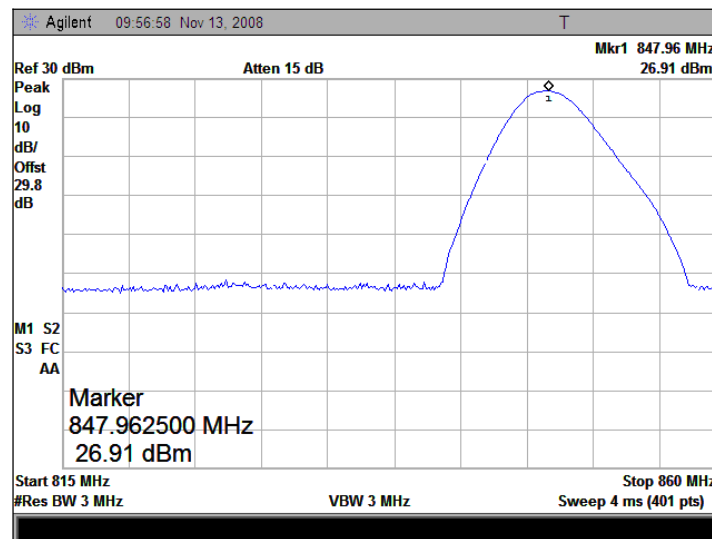
- Plot when the TCH number set to 9:



- Plot when the TCH number set to 384:



3. Plot when the TCH number set to 758:



### 3.4 Occupied Bandwidth

#### 3.4.1 Occupied Bandwidth Definition

According to FCC §2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission.

Occupied bandwidth is also known as the 99% emission bandwidth. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26dB below the transmitter power.

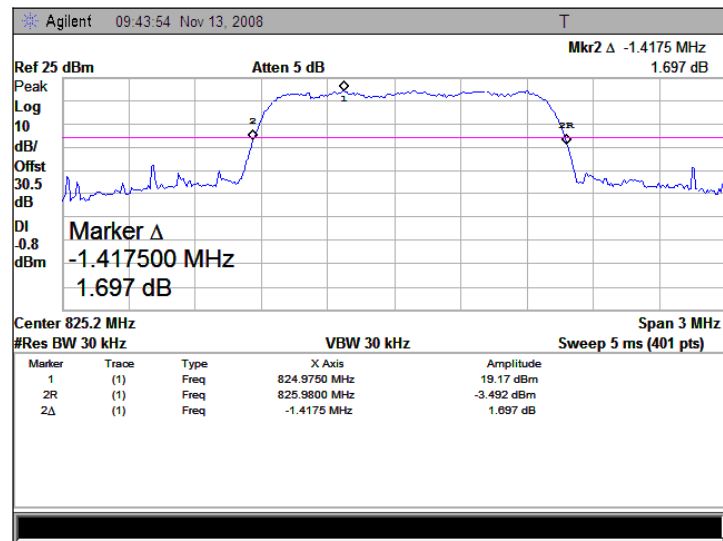
#### 3.4.2 Test Procedure

1. Perform test system setup as section 3.1.1.
2. The resolution bandwidth of the Spectrum Analyzer is set to at least one percent of the emission bandwidth, e.g. for GSM modulated signal (here used):  $RBW=VBW=3kHz$ , for CDMA modulated signal:  $RBW=VBW=30kHz$ .
3. The low, middle and the high channels are selected to perform tests respectively. Set the TCH number to 9 as the low channel.
4. Set the frequency range of the Spectrum Analyzer suitably to capture the waveform; search peak; make a line whose value is 20dB lower than the peak; mark two points which the line intersected the waveform at; finally record the delta of the two points as the occupied bandwidth and the plot.
5. Set the TCH number to 384 as middle channel, then repeat step 4.
6. Set the TCH number to 758 as high channel, then repeat step 4.

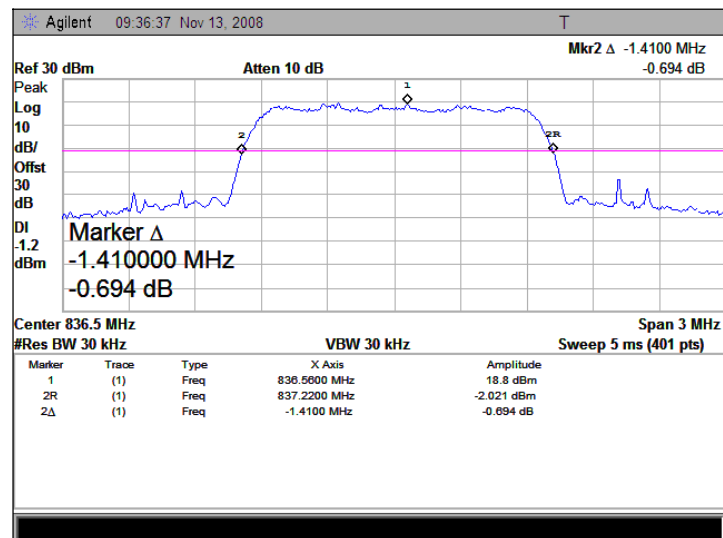
#### 3.4.3 Test Result

No.	Channel Number	Frequency (MHz)	Measured Occupied Bandwidth (MHz)
1	9	825.27	1.42
2	384	836.52	1.41
3	758	847.74	1.41

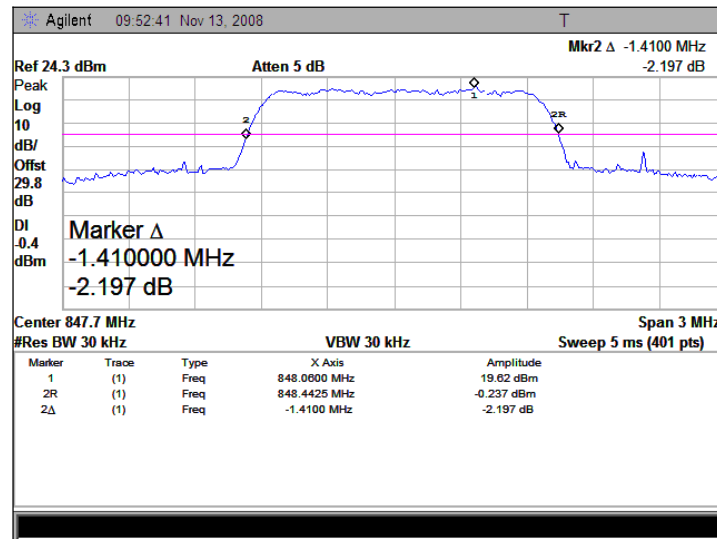
- Plot when the TCH number set to 9:



- Plot when the TCH number set to 384:



3. Plot when the TCH number set to 758:



### **3.5 Conducted Spurious Emission**

#### **3.5.1 Requirement**

According to FCC §22.917(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43+10*\log(P)$ dB. This calculated to be -13dBm.

According to FCC §22.917 (a), in the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. Thus the 26dB emission bandwidth is measurement for showing compliance at the band-edge.

#### **3.5.2 Test Procedure**

1. Perform test system setup as section 3.1.1.
2. Make a limit line whose value is -13dBm on the Spectrum Analyzer.
3. The lowest, middle and the highest channels are selected to perform tests respectively. Set the TCH number to 9 as the lowest channel.
4. Set the RBW of the Spectrum Analyzer to 1MHz, and the measuring frequency range from 9kHz to 10<sup>th</sup> harmonic of the fundamental frequency (here used 10GHz); mark the fundamental frequency and the harmonics thereof; finally record the harmonics and the plot. Note: the measuring frequency range can be divided into several parts to perform tests.
5. In the 1MHz bands immediately outside and adjacent to the frequency black, the RBW of the Spectrum Analyzer was set to at least one percent of the emission bandwidth of the fundamental emission of the transmitter, e.g. for GSM modulated signal (here used): RBW=3kHz, for CDMA modulated signal: RBW=30kHz.
6. Set the TCH number to 384 as the middle channel, then repeat step 4 and 5.
7. Set the TCH number to 758 as the highest channel, then repeat step 4 and 5.

### 3.5.3 Test Result

#### 3.5.3.1 Table for the Harmonics and Plots for the Spurious Emission

1. Table for the Harmonics:

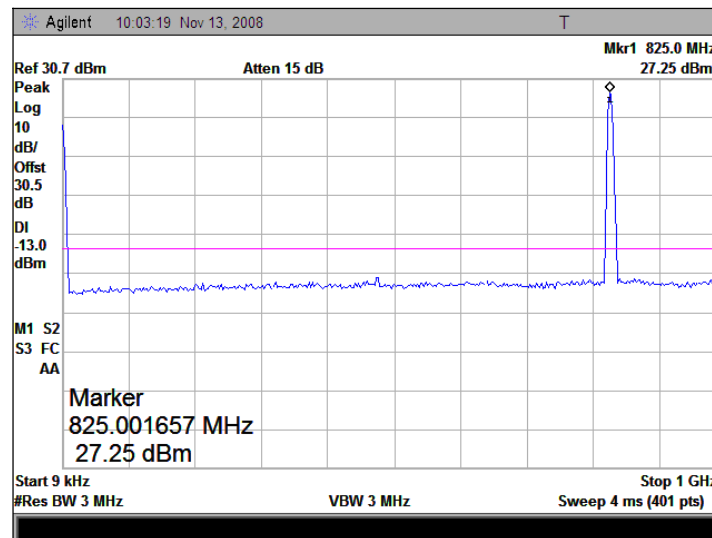
No.	Channel	Frequency(MHz )	Measured Max Spurious Emission(dBm)	Limit(dBm)
1.	9	825.27	<-20	-13
2.	384	836.52	<-20	-13
3.	758	847.74	<-20	-13

2. Plot for Spurious Emission:

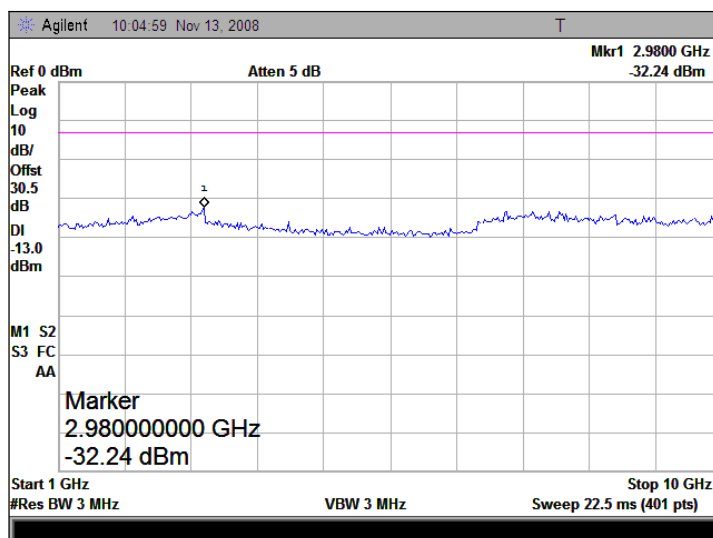
The measuring frequency range was from 9kHz to 10GHz.

NOTE: The marker points are the Mobile Phone and/or System Simulator transmitting frequencies which should be ignored.

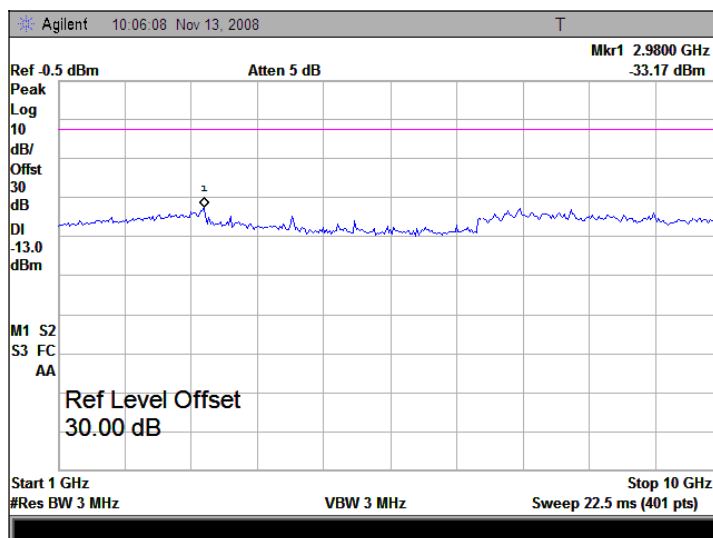
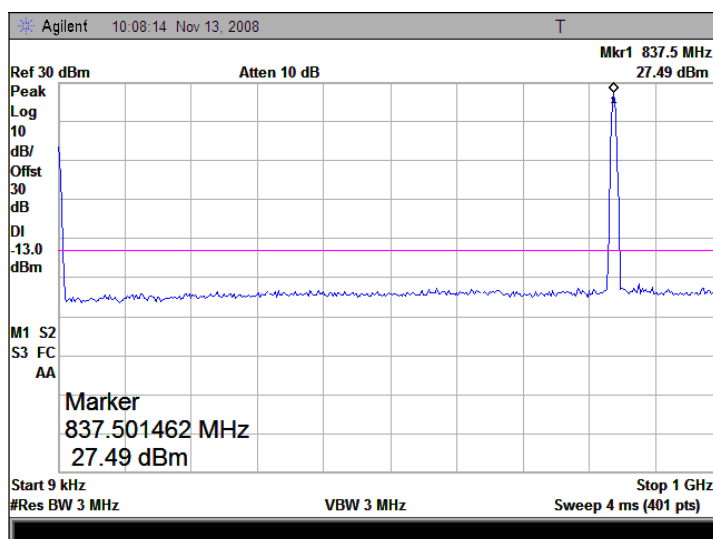
2.1 Plot when the TCH number set to 9:



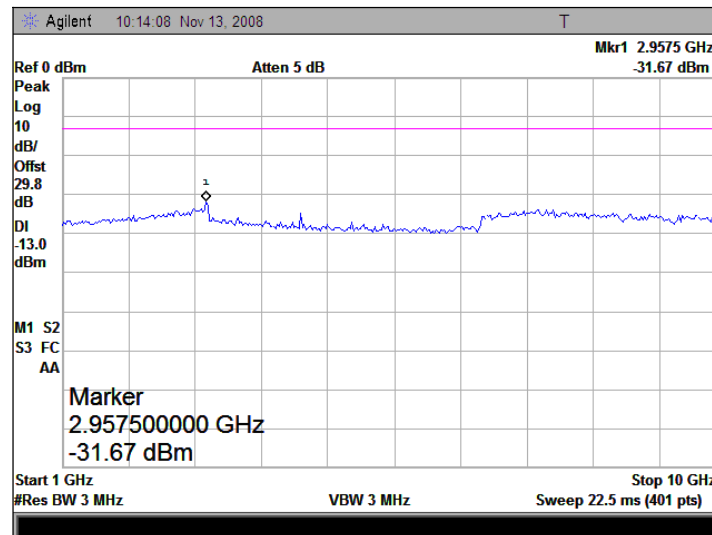
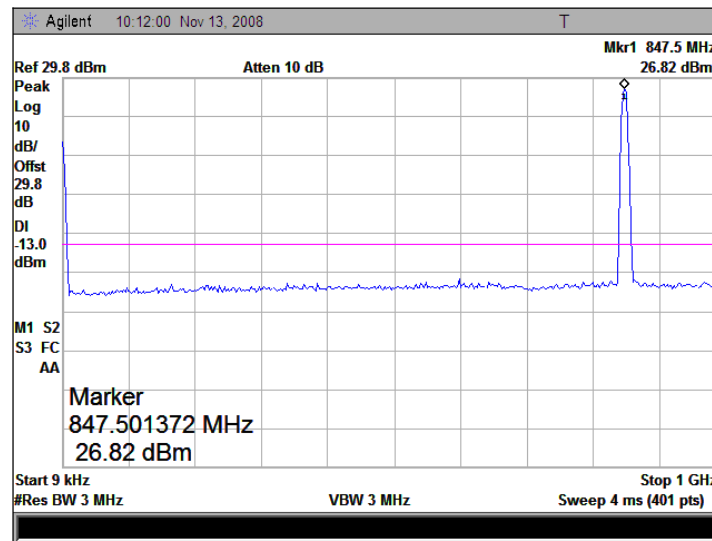




2.2 Plot when the TCH number set to 384:

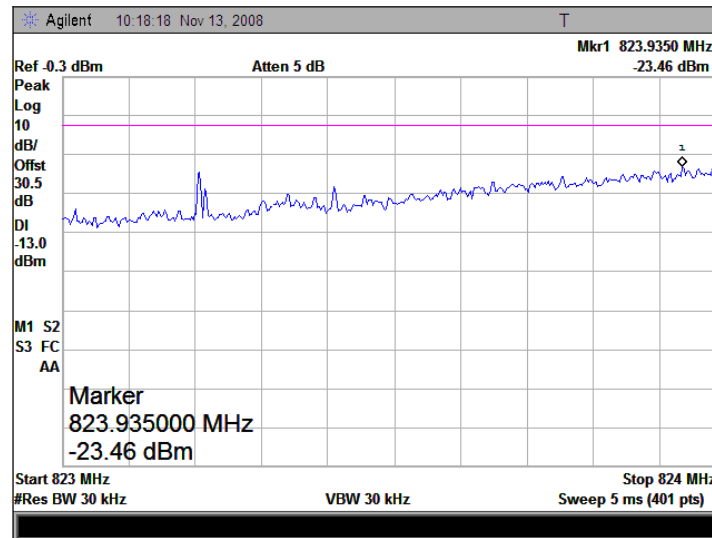


### 2.3 Plot when the TCH number set to 758:

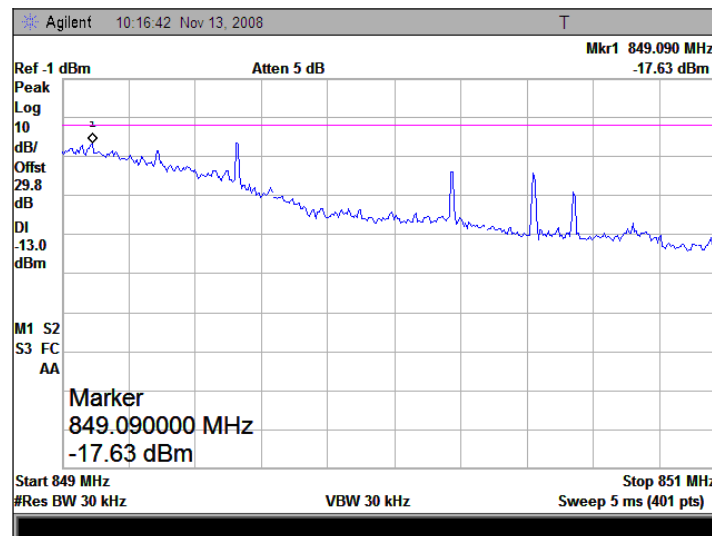


### 3.5.3.2 Plot for Band-edge

- Plot when the TCH number set to 9:



- Plot when the TCH number set to 758:



### 3.6 Transmitter Radiated Power (ERP)

#### 3.6.1 Requirement

According to FCC §22.913, the ERP of Cellular mobile transmitters must not exceed 7 Watts (38.5dBm).

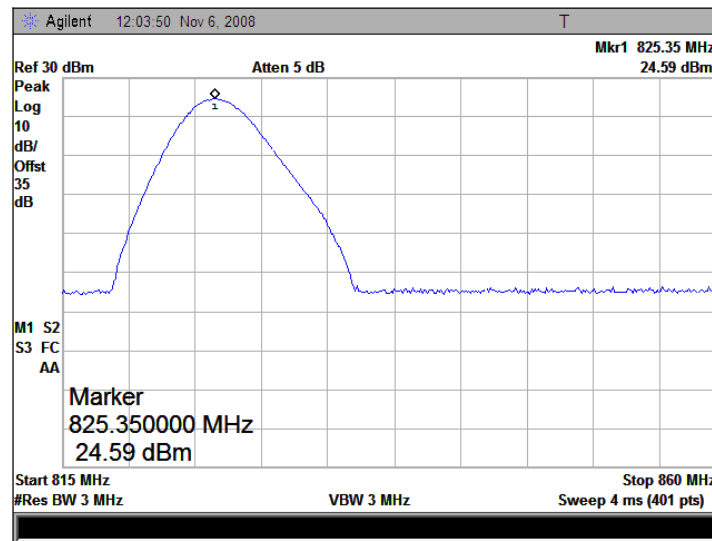
#### 3.6.2 Test Procedure

1. Perform test system setup as section 3.1.2.
2. The resolution bandwidth of the Spectrum Analyzer is set to be comparable to the emission bandwidth of the transmitter, e.g. for GSM modulated signal (here used): RBW=VBW=1MHz, for CDMA modulated signal: RBW=VBW=3MHz.
3. The low, middle and the high channels are selected to perform tests respectively. Set the TCH number to 9 as the low channel.
4. Employ the bi-log Test Antenna as the test system receiving antenna; set the polarization of the Test Antenna to be the same as that of the HANDSET transmitting antenna.
5. Set the frequency range of the Spectrum Analyzer suitably to capture the waveform; actuate the Turn Table to turn from 0 degrees to 360 degrees to find the maximum reading via the Spectrum Analyzer, mark the peak; finally record the peak and the plot.
6. Set the TCH number to 384 as the middle channel, then repeat step 5.
7. Set the TCH number to 758 as the high channel, then repeat step 5.

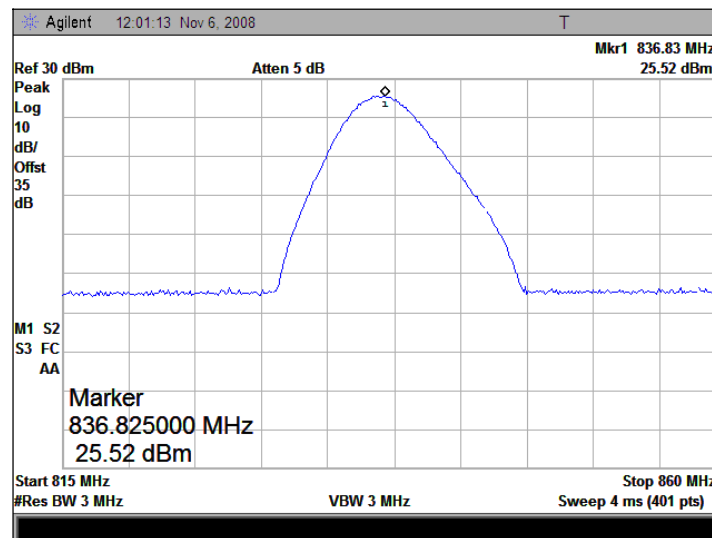
#### 3.6.3 Test Result

No.	Channel	Frequency (MHz)	Measured ERP		Limit ERP	
			dBm	W	dBm	W
1	9	825.27	24.59	0.29	< 38.5	< 7
2	384	836.52	25.52	0.36	< 38.5	< 7
3	758	847.74	22.97	0.20	< 38.5	< 7

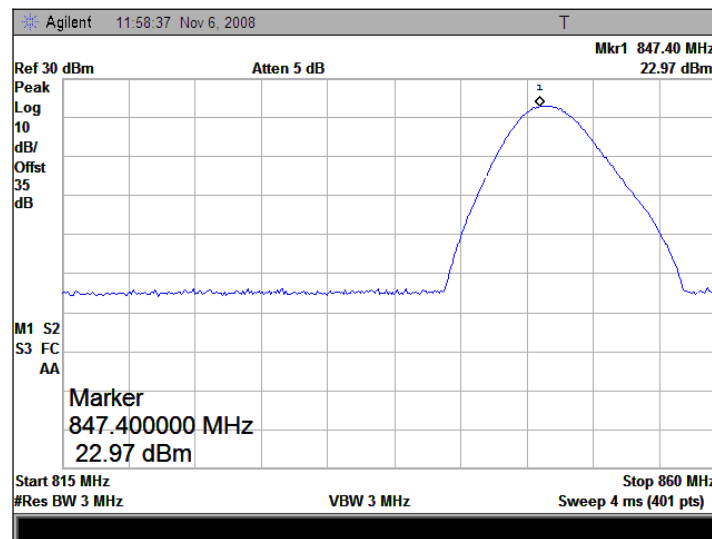
1. Plot when the TCH number set to 9:



2. Plot when the TCH number set to 384:



3. Plot when the TCH number set to 758:



### **3.7 Radiated Spurious Emission**

#### **3.7.1 Requirement**

According to FCC §22.917(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43+10*\log(P)$ dB. This calculated to be -13dBm.

#### **3.7.2 Test Procedure**

1. Perform test system setup as section 3.1.2.
2. Make a limit line whose value is -13dBm on the Spectrum Analyzer, and set the RBW of the Spectrum Analyzer to 1MHz.
3. The low, middle and the high channels are selected to perform tests respectively. Set the TCH number to 9 as the low channel.
4. Employ the bi-log Test Antenna as the test system receiving antenna and set the frequency range of the Spectrum Analyzer from 30MHz to 3GHz.
5. The measurement is performed with the Test Antenna at both horizontal and vertical polarization respectively. Set the polarization of the Test Antenna to be horizontal.
6. Actuate the Turn Table to turn from 0 degrees to 360 degrees to find the maximum reading via the Spectrum Analyzer, mark the fundamental frequency and the harmonics thereof, after then record the harmonics and the plot.
7. Set the polarization of the Test Antenna to be vertical, then repeat step 6.
8. Employ the horn Test Antenna as the test system receiving antenna and set the frequency range of the Spectrum Analyzer from 3GHz to 10<sup>th</sup> harmonic of the fundamental frequency (here used 10GHz), then repeat step 5 to 7.
9. Set the TCH number to 384 as the middle channel, then repeat step 4 to 8.
10. Set the TCH number to 758 as the high channel, then repeat step 4 to 8.



### 3.7.3 Test Result

#### 3.7.3.1 Table for the Harmonics

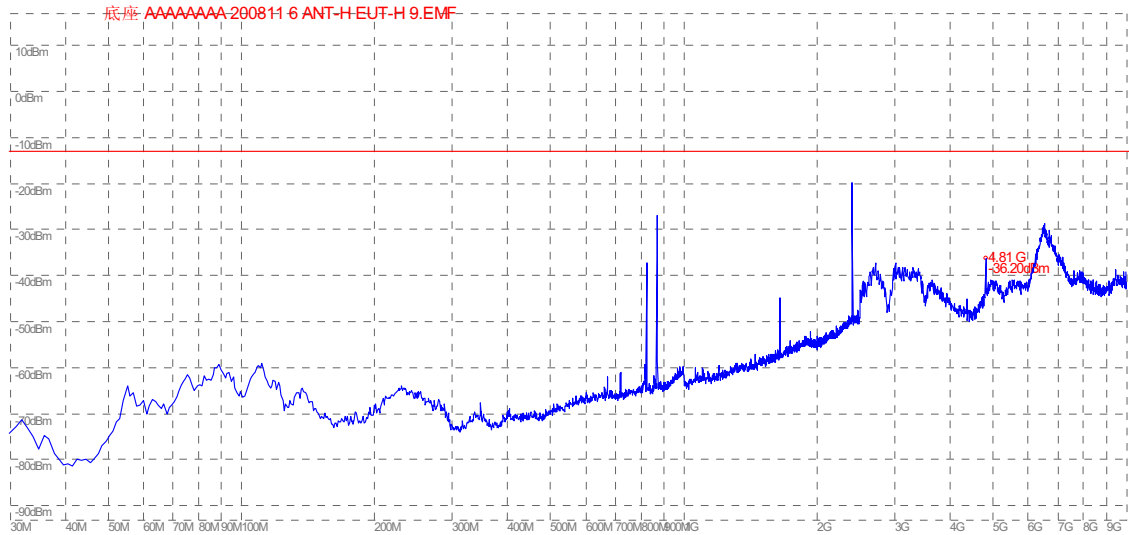
NOTE: “---” in the table following means that the emission power was too small to be measured and was at least 12dB below the limit.

No.	Frequency (MHz)	Emission Power (dBm)		Limit (dBm)
		Test Antenna Vertical	Test Antenna Horizontal	
TCH number set to 9 (825.27MHz)				
1	1650.54	---	---	-13
2	2475.81	---	---	-13
3	3301.08	---	---	-13
4	4126.35	---	---	-13
5	4951.62	---	---	-13
6	5776.89	---	---	-13
7	6602.16	---	---	-13
8	7427.43	---	---	-13
9	8252.70	---	---	-13
TCH number set to 384 (836.52MHz)				
10	1673.04	---	---	-13
11	2509.56	---	---	-13
12	2509.56	---	---	-13
13	3346.08	---	---	-13
14	4182.6	---	---	-13
15	5855.64	---	---	-13
16	6692.16	---	---	-13
17	7528.68	---	---	-13
18	8365.20	---	---	-13
TCH number set to 758 (847.74MHz)				
19	1695.48	---	---	-13
20	2543.22	---	---	-13
21	3390.96	---	---	-13
22	4238.70	---	---	-13
23	5086.44	---	---	-13
24	5934.18	---	---	-13
25	6781.92	---	---	-13
26	7629.66	---	---	-13
27	8477.40	---	---	-13

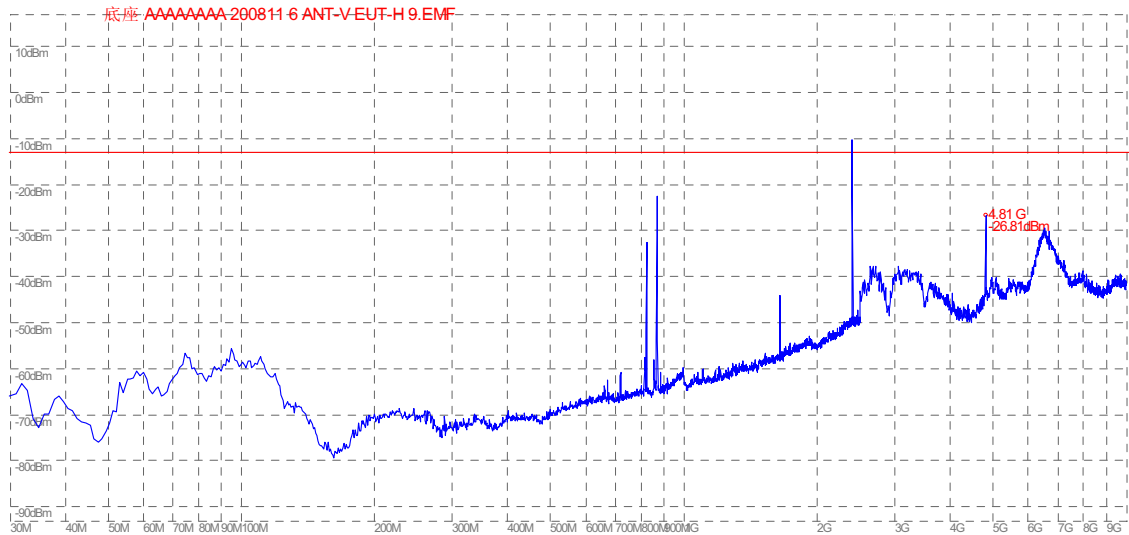
### 3.7.3.2 Test Plot:

Note: The signals of about 2.4G are used by the AC adapter to keep the HANDSET in leash, and so should be ignored.

1. Plot when the TCH number set to 9:

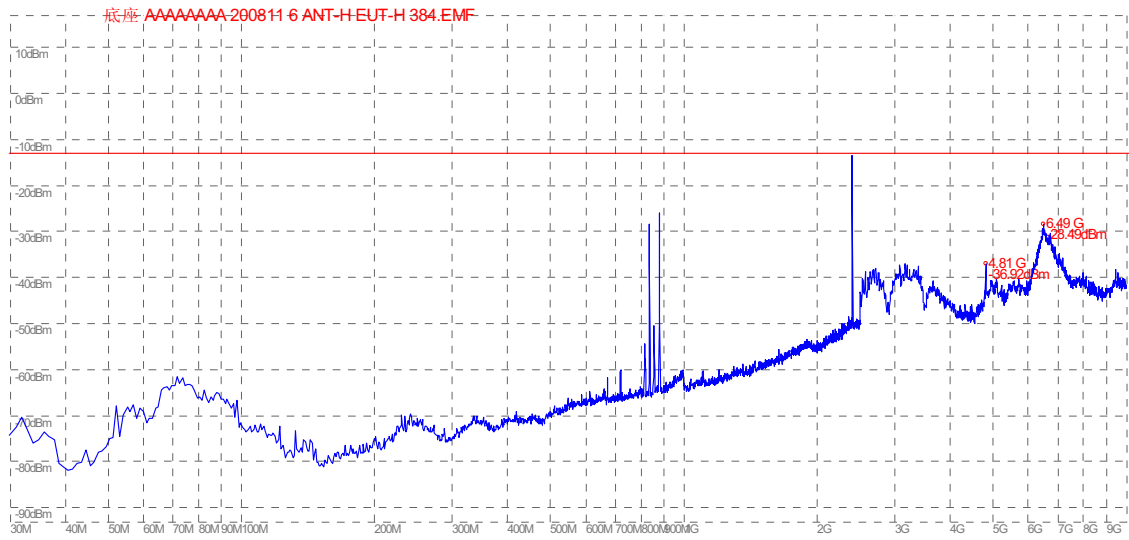


(The Antenna Horizontal)

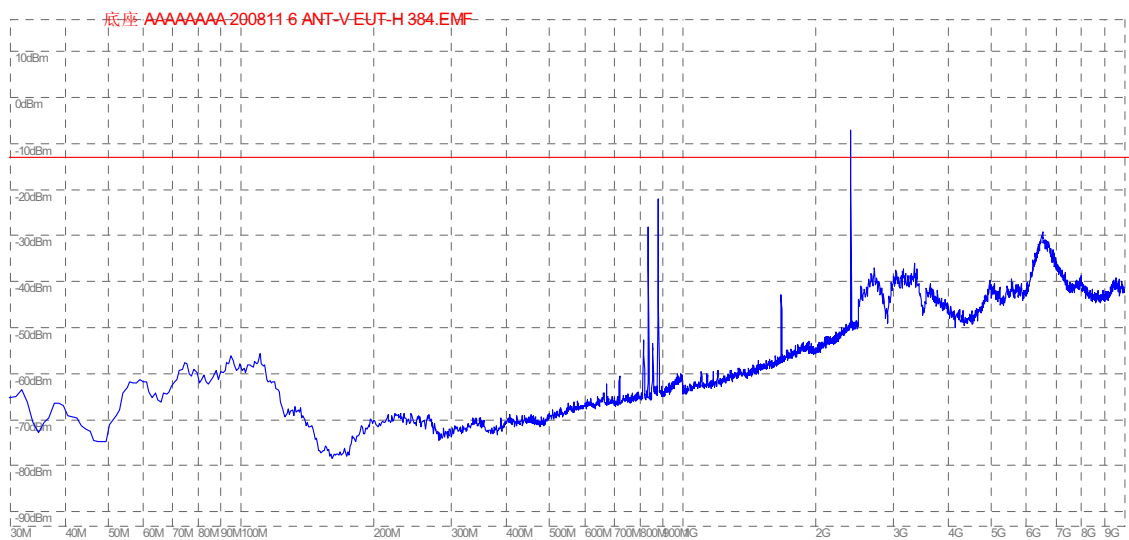


(The Antenna Vertical)

2. Plot when the TCH number set to 384:

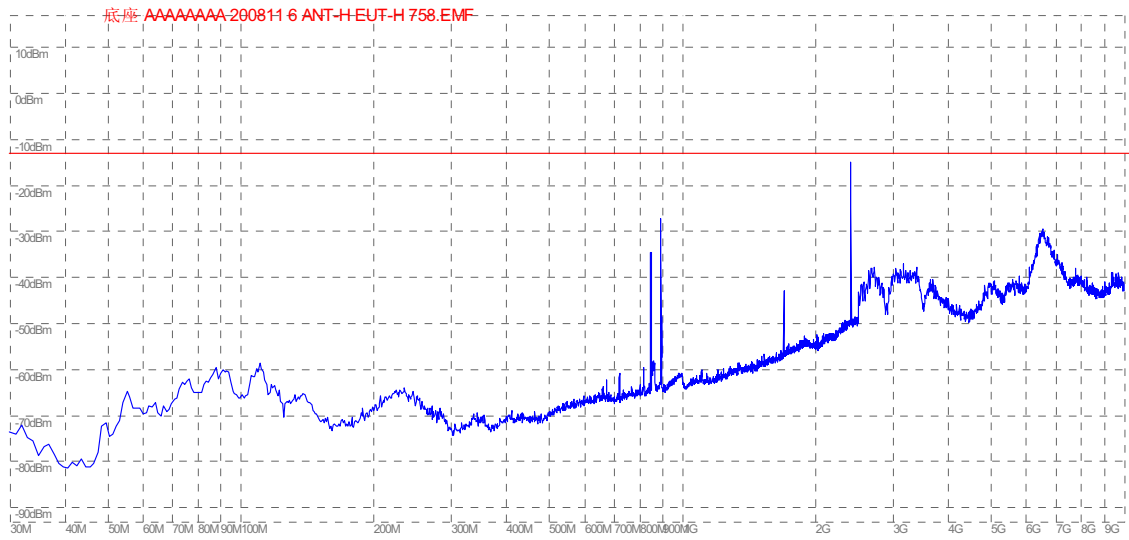


(The Antenna Horizontal)

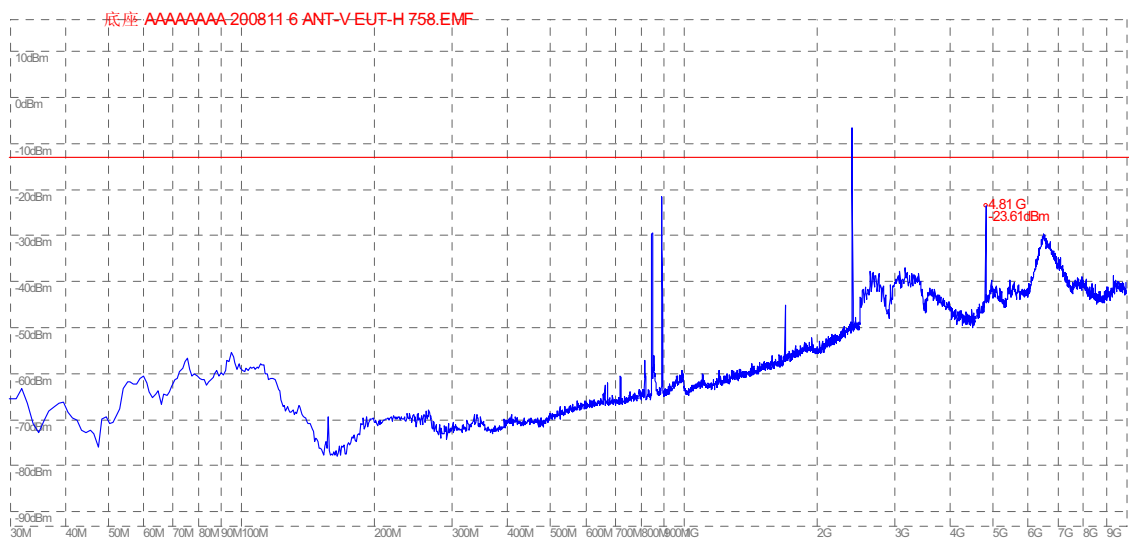


(The Antenna Vertical)

3. Plot when the TCH number set to 758:



(The Antenna Horizontal)



(The Antenna Vertical)

### **3.8 Frequency Stability**

#### **3.8.1 Frequency Stability Requirement**

According to FCC §22.355, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

According to FCC §2.1055, the test conditions are:

- (a) Temperature:  
The temperature is varied from  $-30^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  at intervals of not more than  $10^{\circ}\text{C}$ .
- (b) Primary Supply Voltage:  
For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

#### **3.8.2 Test Procedure**

1. Perform test system setup as section 3.1.3.
2. Set the voltage of the DC Power Supply to normal supply voltage (here used 3.7V) and the temperature of the Temperature Chamber to vary from  $-30^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  at intervals of  $10^{\circ}\text{C}$ .
3. At each temperature level, the HANDSET is powered off and kept in the Temperature Chamber for two hours. After sufficient stabilization, turn on the HANDSET, command it via the System Simulator (SS) to operate at the maximum output power i.e. A communication link is established between the HANDSET and the SS.
4. The low, middle and the high channels are selected to perform tests respectively. Set the TCH number to 9 as the low channel.
5. The frequency deviation is measured (directly read from the SS, which can report the parameter) within three minutes.
6. Set the TCH number to 384 as the middle channel, then repeat step 5.
7. Set the TCH number to 758 as the high channel, then repeat step 5.
8. Adjust the temperature of the Temperature Chamber as specified in step 2, then repeat step 3 to 7.
9. Set the voltage of the DC Power Supply to high extreme supply voltage (here used 4.2V) and the temperature of the Temperature Chamber to normal (here used  $+22^{\circ}\text{C}$ ), then repeat step 3 to 8.
10. Set the voltage of the DC Power Supply to low extreme supply voltage (here used 3.6V) and the temperature of the Temperature Chamber to normal (here used  $+22^{\circ}\text{C}$ ), then repeat step 3 to 8.

### 3.8.3 Test Result

No.	Test Conditions		Frequency Deviation (Hz) at Channels Used			
	Voltage	Temperature	9	384	758	Limit
1	3.7V	-30°C	-8.11	9.78	6.86	±300Hz
2		-20°C	-6.52	-7.14	7.47	
3		-10°C	-6.78	5.32	4.61	
4		0°C	7.45	7.28	6.52	
5		+10°C	8.12	4.16	1.98	
6		+20°C	8.13	6.15	3.51	
7		+30°C	7.61	7.19	2.86	
8		+40°C	9.63	-5.31	1.68	
9		+50°C	8.17	7.14	4.27	
10	4.2V	+22°C	6.89	5.15	7.14	
11	3.6V	+22°C	9.19	6.34	6.43	
Result: PASS						

\*\* END OF REPORT \*\*