FCC PART 22H
MEASUREMENT AND TEST REPORT

For

ZTE Corporation

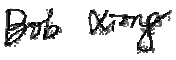
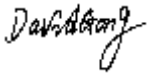
ZTE Plaza, Keji Road South, Hi-tech Park, Nanshan District,

Shenzhen, Guangdong, China 518057

FCC ID: Q78- ZTECF285

Model: ZTE-CF285

Report Type:	**Product Type:**
Original Report	CDMA 1X Digital Mobile Phone

Test Engineers:	Guan Bin  Bob Xiong 
Report No.:	ZTEB0811036-22H
Report Date:	2008-11-24
Reviewed By:	David Gong  Lab Manager
Prepared By:	ZTE Corporation Reliability Testing Center ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen，Guangdong 518057，P.R. of China Tel: +86-755-26770345 Fax: +86-755-26770347

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1 GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

The ZTE Corporation's product, FCC ID: Q78-ZTECF285 or the "EUT" as referred to in this report is a CDMA 1X Digital Mobile Phone, which measures approximately 47.5mm×99mm×14.8mm)

The frequency range is CDMA 800MHz (UL: 824~849MHz, DL: 869~894 MHz)

** The test data gathered are from production sample, serial number: 290727810211, provided by the manufacturer.*

Antenna Frequency Range: UL 824~849MHz, DL 869~894MHz
Connector Type: Crimp Connection
Maximum Gain: 2dB
Antenna Type/Pattern: Monopole/ Omni directional

1.2 EUT Photo

Additional Photos in Exhibit C

1.3 Objective

This type approval report is prepared on behalf of *ZTE Corporation* in accordance with Part 2, Subpart J, and Part 22 Subpart H of the Federal Communication Commissions rules.

The objective is to determine compliance with FCC rules for RF output power, modulation characteristic, occupied bandwidth, spurious emission at antenna terminal, field strength of spurious radiation, frequency stability, band edge, and conducted and radiated margin.

1.4 Related Submittal(s)/Grant(s)

None

1.5 Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2, Sub-part J as well as the following parts:

Part 22 Subpart H - Public Mobile Services

Applicable Standards: TIA-98-E, TIA603-C, ANSI C63.4-2003.

All radiated and conducted emissions measurement was performed at ZTE Corporation Reliability Testing Center. The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

1.6 Test Facility

ZTE Corporation Reliability Testing Center

ZTE Plaza,Keji Road South,Hi-Tech Industrial Park, Nanshan District, Shenzhen， Guangdong，518057，P.R. of China

Tel: +86-755-26770345
Fax: +86-755-26770347

Test site at ZTE Corporation has been fully described in reports submitted to the Federal Communication Commission (FCC).

The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on December 25, 2005. ZTE Corporation Lab's FCC Registration Number is 373926.

2 SYSTEM TEST CONFIGURATION

2.1 Justification

The EUT was configured for testing according to TIA/EIA-603 C.

The final qualification test was performed with the EUT operating at normal mode.

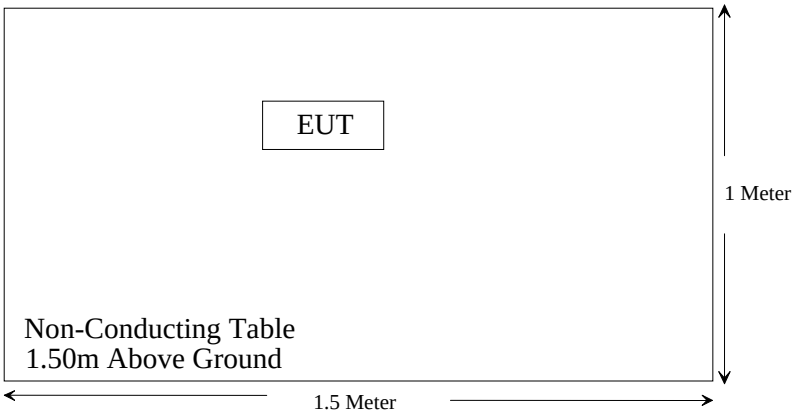
2.2 Equipment Modifications

No modifications were made to the EUT.

2.3 Local Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Agilent	Wireless communication test set	8960 E5515C	GB43042905
ZTE	Adaptor	STC-A22050U8-C	100804271900338

2.4 Test Setup Block Diagram



3 SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Results
§ 2.1047	Modulation Characteristics	N/A *
§ 2.1053	Spurious Radiated Emissions	Compliant
§2.1093	RF Exposure	Compliant (SAR report**)
§ 2.1046, § 22.912 (d)	RF Output Power	Compliant
§ 2.1049 § 22.917 § 22.905	Out of Band Emission, Occupied Bandwidth	Compliant
§ 2.1051, § 22.917	Spurious Emissions at Antenna Terminals	Compliant
§ 2.1055 (a) § 2.1055 (d) § 22.355	Frequency stability vs. temperature Frequency stability vs. voltage	Compliant
§ 22.917	Band Edge	Compliant

Note:
* There are no modulation requirements for FCC Part 22H digital device.
**Please refer to SAR test report provided by Bay Area Compliance Lab Corp. (Report number: R0811036-SAR).

4 §2.1047 - MODULATION CHARACTERISTIC

4.1 Applicable Standard

Requirement: FCC § 2.1047(d).

4.2 Result

As Part 22H has not specific requirement for CDMA modulation, therefore modulation characteristic is not presented.

5 §2.1053 - SPURIOUS RADIATED EMISSIONS

5.1 Applicable Standard

Requirements: CFR 47, § 2.1053.

5.2 Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a 50 ohms 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.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

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 (TXpwr in Watts/0.001) – the absolute level

Spurious attenuation limit in dB = 43 + 10 Log_{10} (power out in Watts)

Measurement bandwidth (RBW) for 30MHz to 1000 MHz: 100 kHz
Measurement bandwidth (RBW) for 1000 MHz to 12750 MHz: 1MHz

5.3 Test Equipment List and Details

Manufacturers	Description	Model	Serial Number	Cal. Dates
R&S	EMI Test Receiver	ESI26	100058	2007-11-1
R&S	Log periodic Antenna	HL562	100022	2008-8-11
R&S	Double-Ridged Waveguide Horn Antenna	HF906 RX	100032	2008-8-11
Albatross	Anechoic Chamber 3m Site	3m site	A0001735A	2008-7-01
R&S	Software	ES-K1	N/A	N/A
SCHWARZBECK	VHF-UHF Broad band Antenna	VUBA 9117	122	2008-8-11
R&S	Double-Ridged Waveguide Horn Antenna	HF906 TX	100446	2008-8-11
R&S	Signal Generator	SMR20	100098	2007-11-2
Agilent	Wireless Communication Test Set	8960 E5515C	GB43042905	2008-01-19

*** Statement of Traceability: ZTE Corporation Reliability Testing Center** attests that all calibrations have been performed per the NVLAP requirements, traceable to the NIST.

5.4 Environmental Conditions

Temperature:	20° C
Relative Humidity:	55%
ATM Pressure:	1018mbar

** The testing was performed by Bob Xiong on 2008-11-01*

5.5 Test Result

Worst case reading as follows:

Test without headphones

30 MHz-3 GHz: 31.52 dB at 2903.808 MHz
3 GHz- 20 GHz: 37.02dB at 7806.613 MHz

TX Spurious Emission scans 30 MHz – 3GHz (TX) Middle channel

Indicated		Test Ant. Polar (H/V)	Substituted		Antenna Gain Correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
Frequency (MHz)	Amp. (dBuV/m)		Frequency (MHz)	Level (dBm)					
2903.808	55.92	V	2903.808	-45.82	7.95	4.5	-44.52	-13	31.52
31.944	24.6	H	31.944	-28.14	-43.49	0.3	-74.08	-13	61.08
298.257	16.47	H	298.257	-82.65	0.55	1.4	-85.65	-13	72.65
597.615	26.2	H	597.615	-70.45	-1.21	2	-75.81	-13	62.81
2979.960	55.93	H	2979.960	-48.18	7.95	4.6	-46.98	-13	33.98

TX Spurious Emission scan3GHz – 20 GHz (TX) Middle channel

Indicated		Test Ant. Polar (H/V)	Substituted		Antenna Gain Correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
Frequency (MHz)	Amp. (dBuV/m)		Frequency (MHz)	Level (dBm)					
6174.349	51.43	V	6174.349	-56.04	9.05	6.9	-56.04	-13	43.04
9880.762	55.26	V	9880.762	-53.56	9.95	8.8	-54.56	-13	41.56
12289.078	58.34	V	12289.078	-52.38	12.05	9.8	-52.28	-13	39.28
4835.671	45.31	H	4835.671	-55.59	9.15	5.9	-54.49	-13	41.49
6174.349	51.72	H	6174.349	-51.67	9.05	6.9	-51.67	-13	38.67
7806.613	51.98	H	7806.613	-49.32	9.25	7.8	-50.02	-13	37.02

Test with headphones

30 MHz- 3 GHz: 31.63 dB at 2975.952 MHz
3 GHz – 20 GHz: 35.28dB at 11666.834 MHz

TX Spurious Emission scans 30 MHz – 3GHz (TX) Middle channel

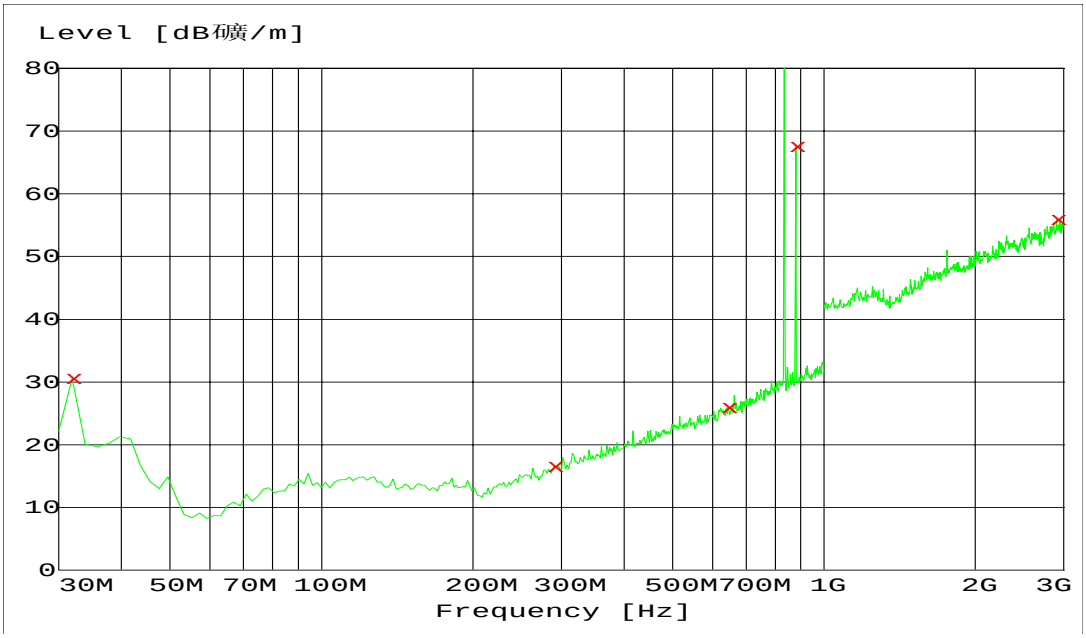
Indicated		Test Ant. Polar (H/V)	Substituted		Antenna Gain Correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
Frequency (MHz)	Amp. (dBuV/m)		Frequency (MHz)	Level (dBm)					
31.944	31.3	V	31.944	-25.78	-43.49	0.3	-71.72	-13	58.72
644.269	26.13	V	644.269	-70.56	-1.09	2.1	-75.9	-13	62.9
844.489	37.1	V	844.489	-58.73	-1.32	2.5	-64.7	-13	51.7
2975.952	55.91	V	2975.952	-45.83	7.95	4.6	-44.63	-13	31.63
31.944	24.45	H	31.944	-28.29	-43.49	0.3	-74.23	-13	61.23
179.679	16.94	H	179.679	-78.89	-1.65	1.1	-83.79	-13	70.79
646.212	26.38	H	646.212	-74.51	-1.09	2.1	-79.85	-13	66.85
3000.000	55.56	H	3000.000	-48.55	7.75	4.6	-47.55	-13	34.55

TX Spurious Emission scan3GHz – 20 GHz (TX) Middle channel

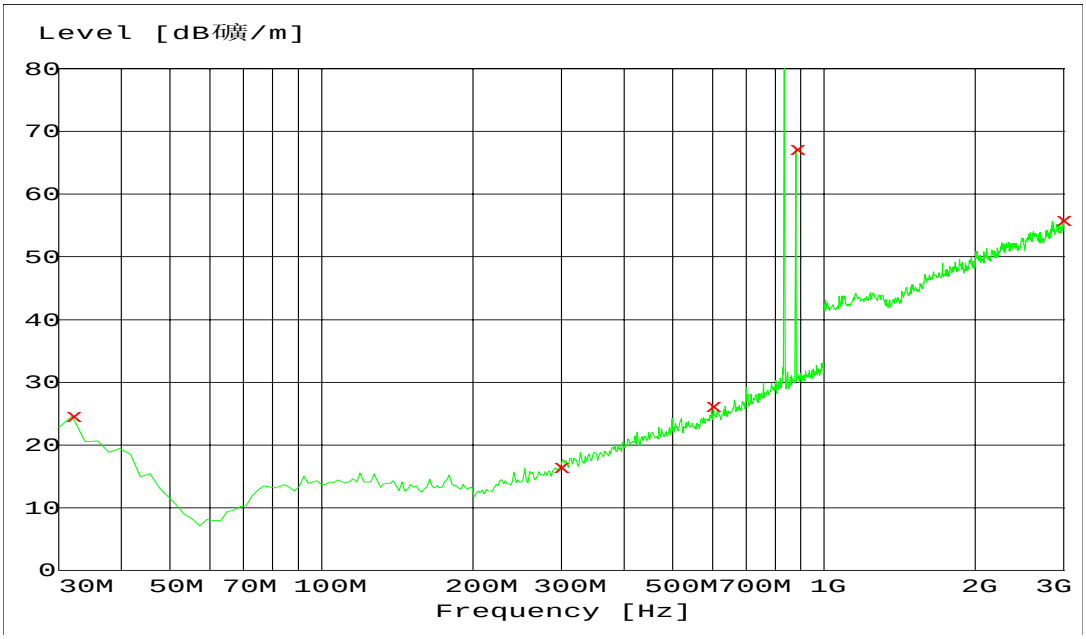
Indicated		Test Ant. Polar (H/V)	Substituted		Antenna Gain Correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)	Margin (dB)
Frequency (MHz)	Amp. (dBuV/m)		Frequency (MHz)	Level (dBm)					
9903.808	54.83	V	9903.808	-53.99	9.95	8.7	-54.89	-13	41.89
12750.000	57.82	V	12750.000	-53.15	12.15	9.9	-53.05	-13	40.05
3713.427	43.35	H	3713.427	-64.99	7.75	5.1	-64.49	-13	51.49
4851.703	44.78	H	4851.703	-56.12	9.15	5.9	-55.02	-13	42.02
6166.333	51.97	H	6166.333	-51.42	9.05	6.9	-51.42	-13	38.42
11666.834	57.82	H	11666.834	-48.38	11.85	9.6	-48.28	-13	35.28

Test without headphones

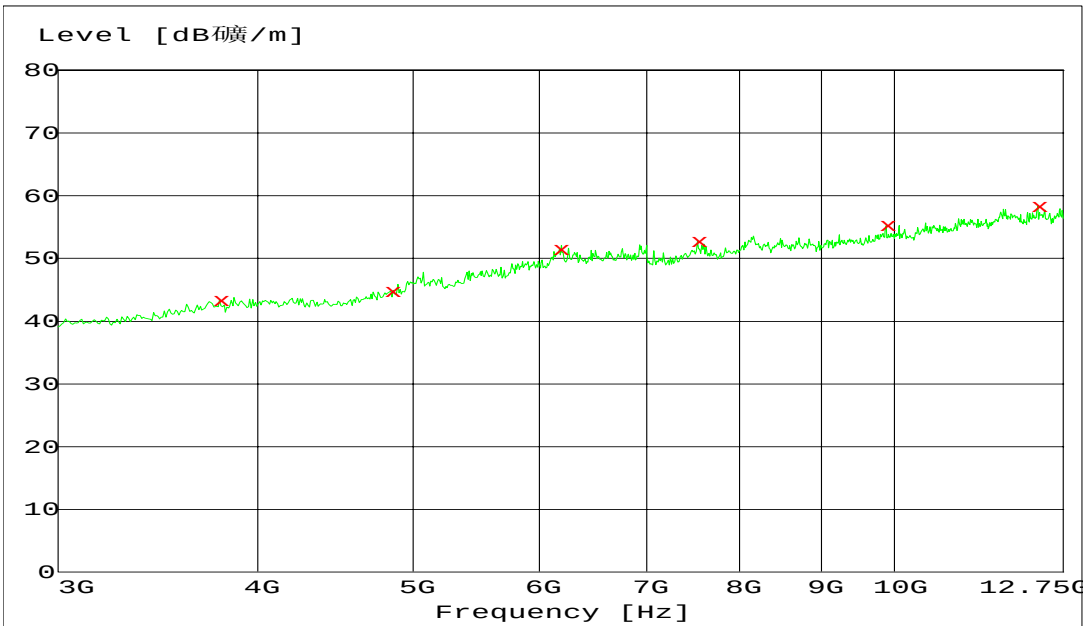
(30 MHz~3 GHz)Vertical



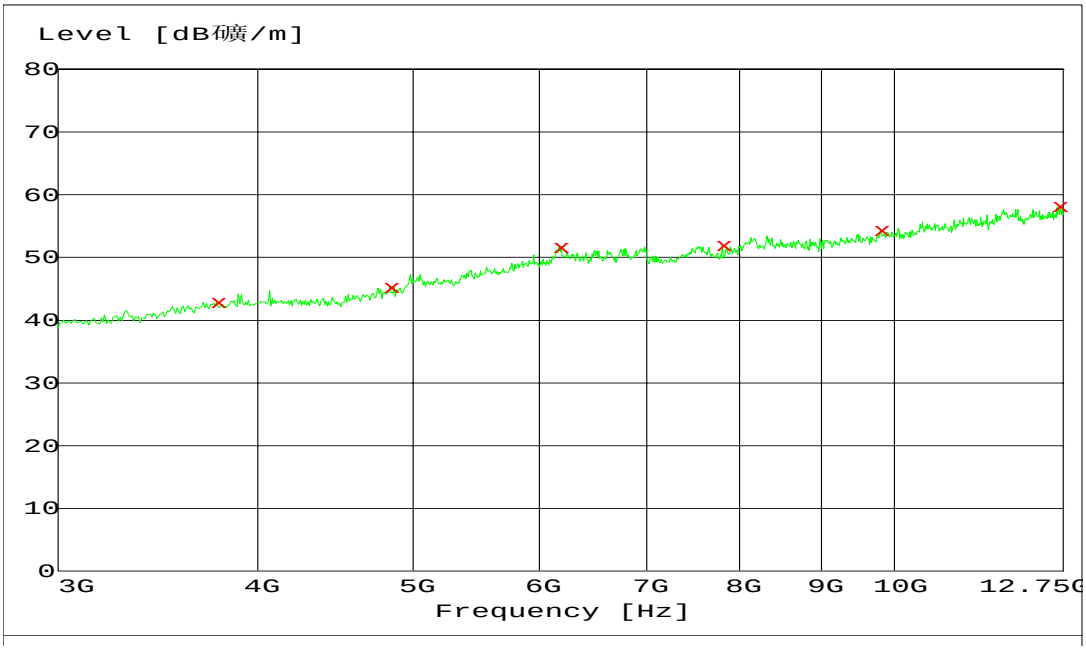
(30 MHz~3 GHz)Horizontal



(3GHz~20GHz)Vertical

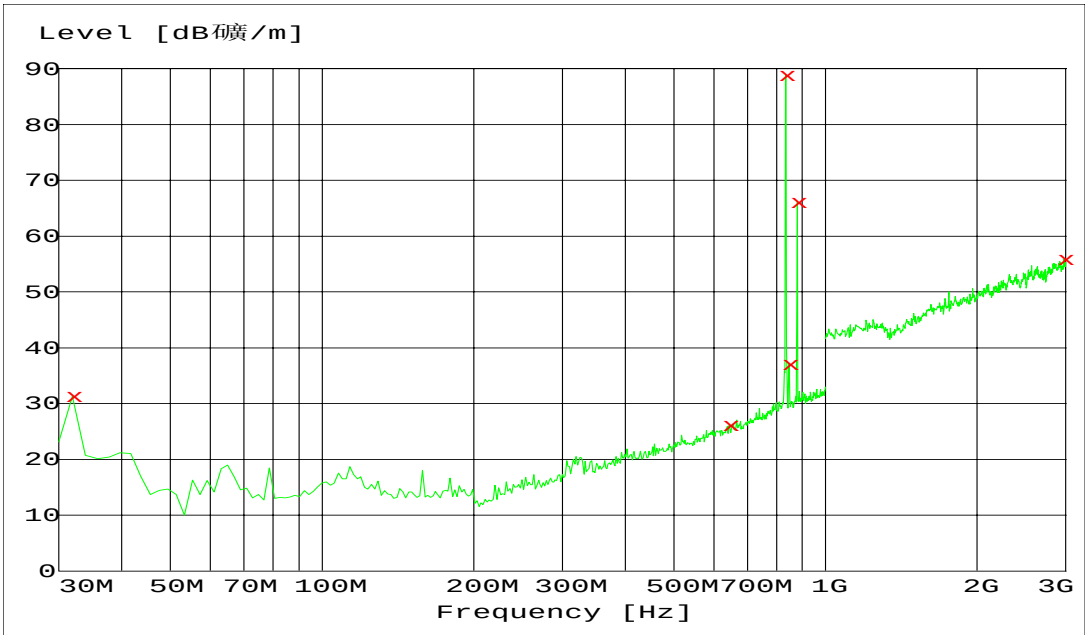


(3GHz ~20GHz)Horizontal

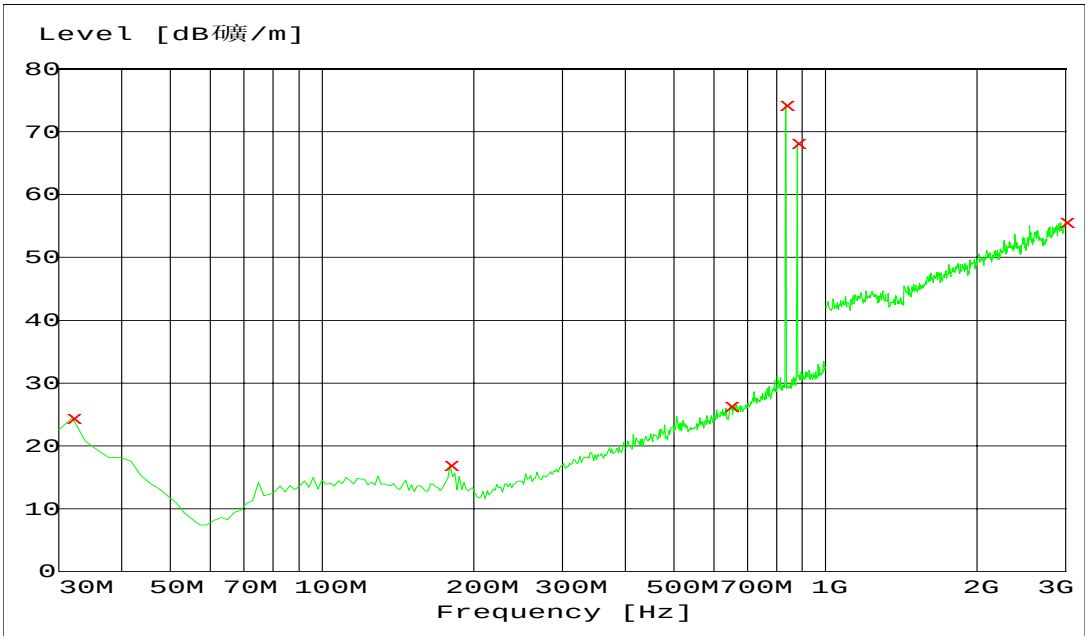


Test with headphones

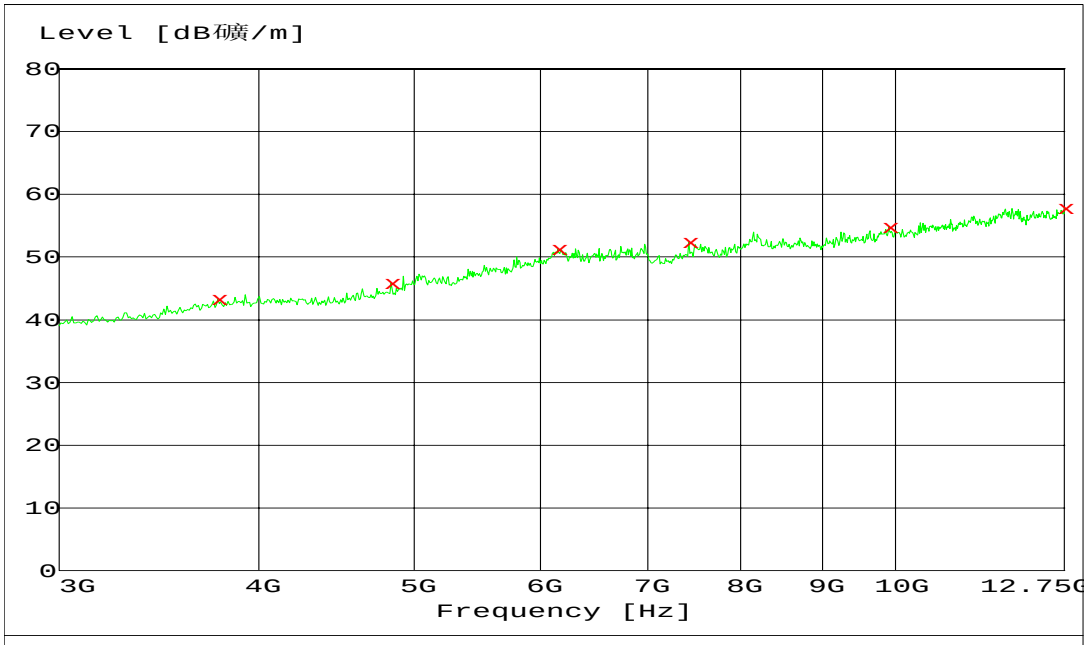
(30 MHz~3 GHz)Vertical



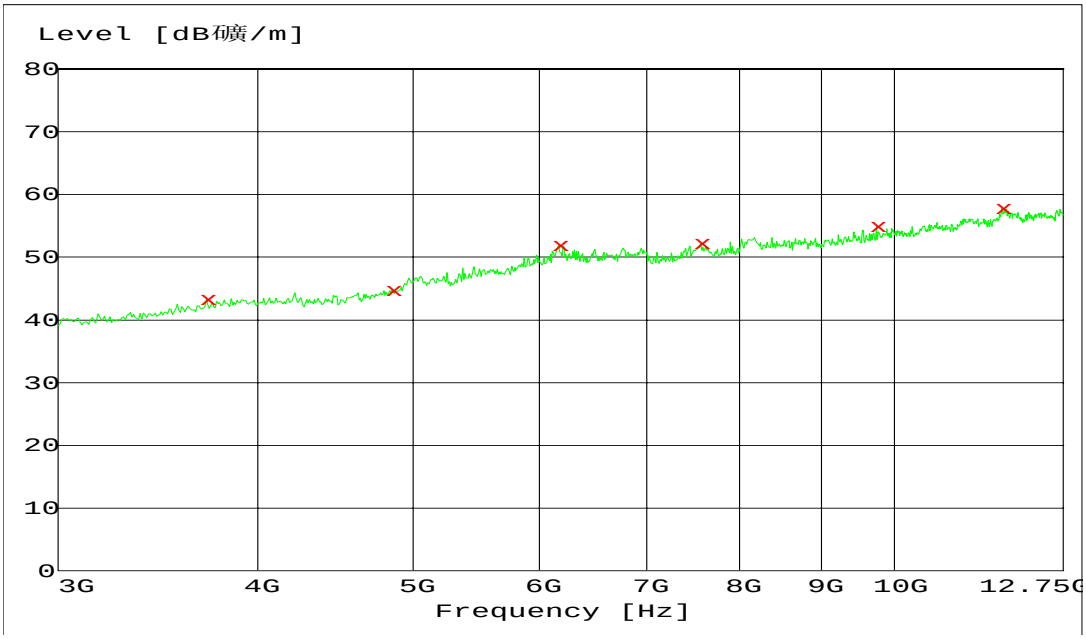
(30 MHz~3 GHz)Horizontal



(3GHz~20GHz)Vertical



(3GHz ~20GHz)Horizontal



6 §2.1046, §22.913(a) – RF OUTPUT POWER

6.1 Applicable Standard

According to FCC §2.1046 and §22.913 (a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

6.2 Test Procedure

Conducted:

The RF output of the transmitter was connected to the simulator and the spectrum analyzer through sufficient attenuation.

6.3 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Cal. Dates
Agilent	Wireless communication test set	8960 E5515C	GB43042905	2008-01-19
Agilent	Spectrum Analysis	E4405B	MY41440292	2008-01-19

*** Statement of Traceability: ZTE Corporation Reliability Testing Center** attests that all calibrations have been performed per the NVLAP requirements, traceable to the NIST.

6.4 Environmental Conditions

Temperature:	20° C
Relative Humidity:	55%
ATM Pressure:	1018mbar

** The testing was performed by Bob Xiong on 2008-11-06*

6.5 Test Results

Channel	Radio Configuration and Conducted Power (dBm)				
	RC1	RC2	RC3	RC4	RC5
Low	23.53	23.63	23.66	23.58	23.56
Mid	23.68	23.72	23.77	23.71	23.70
High	23.47	23.45	23.54	23.48	23.52
SO	SO2	SO9	SO55	SO55	SO55

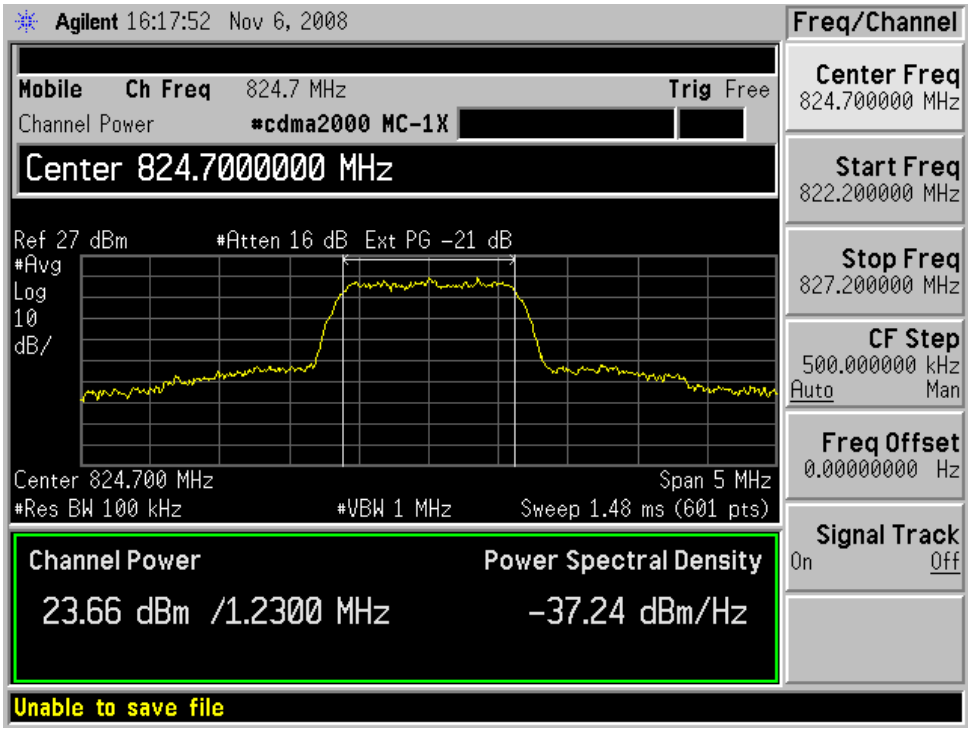
ERP Test Results

Frequency (MHz)	Substitution Reading (dBm)	Substitution Antenna Gain (dBd）	Substitution Cable Loss (dB)	ERP (dBm)	ERP (W)
824.70	23.66	0.0	1.0	24.66	0.292
836.52	23.77	0.0	1.0	24.77	0.300
848.31	23.48	0.0	1.0	24.48	0.281

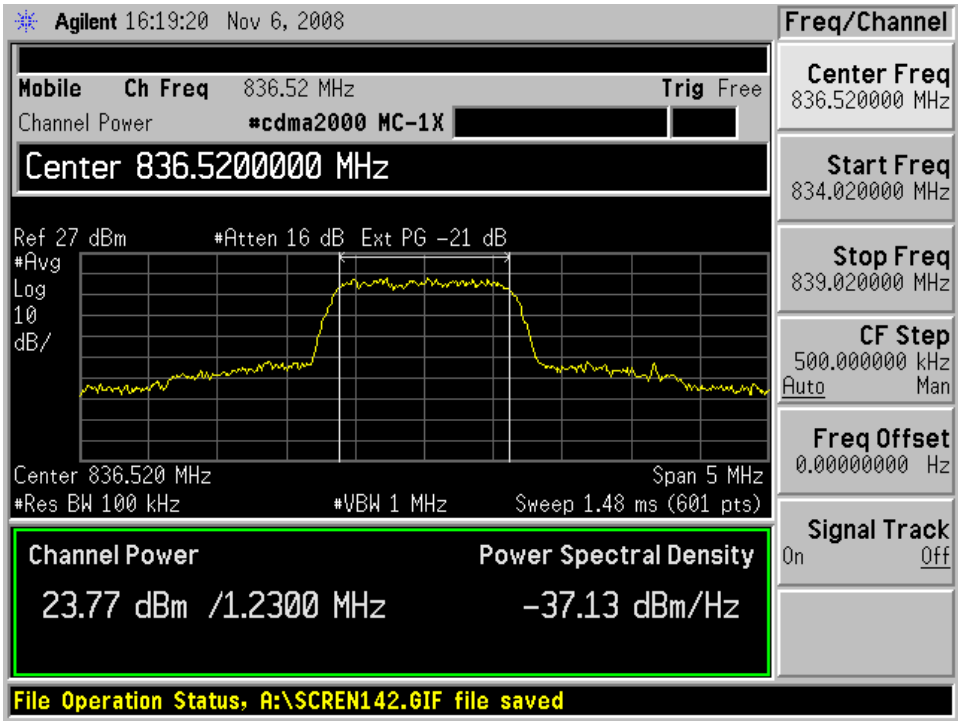
Sample calculation:
Absolute level=substitution reading- antenna gain + cable loss
For example:
24.66=23.66-0.0+1.0

Plots of Conducted Output RF Power for RC3

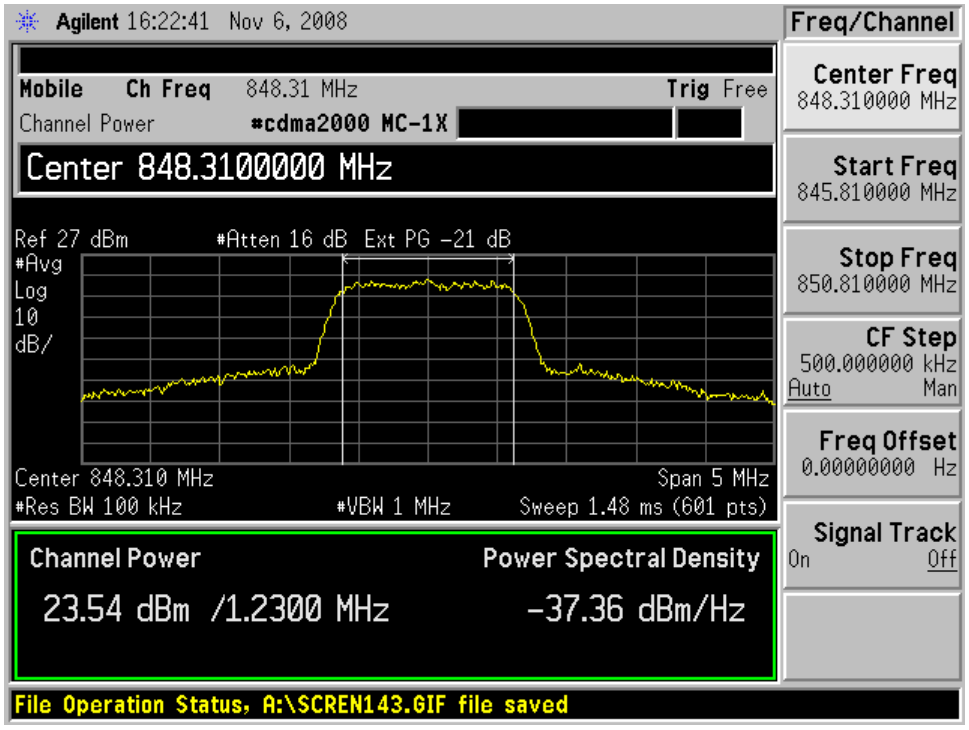
Low Channel



Middle Channel



High Channel



7 §2.1049, §22.917, §22.905 - OCCUPIED BANDWIDTH

7.1 Applicable Standard

Requirements: CFR 47, Section 2.1049, Section 22.901, Section 22.917.

7.2 Test Procedure

The RF output of the transmitter was connected to the simulator and the spectrum analyzer through sufficient attenuation.

The resolution bandwidth of the spectrum analyzer was set at 30 kHz and the 26 dB & 99% bandwidth was recorded.

7.3 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Cal. Dates
Agilent	Wireless communication test set	8960 E5515C	GB43042905	2008-01-19
Agilent	Spectrum Analysis	E4405B	MY41440292	2008-01-19

*** Statement of Traceability: ZTE Corporation Reliability Testing Center** attests that all calibrations have been performed per the NVLAP requirements, traceable to the NIST.

7.4 Environmental Conditions

Temperature:	20° C
Relative Humidity:	55%
ATM Pressure:	1018mbar

** The testing was performed by Tina Bob Xiong 2008-11-06*

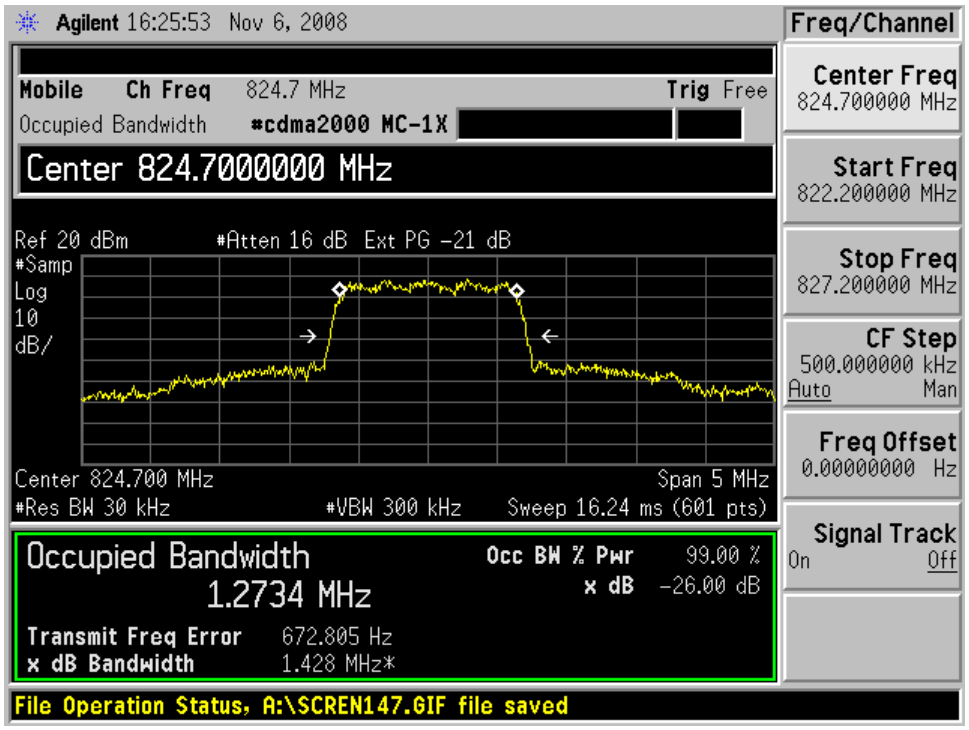
7.5 Test Results

Part 24E:

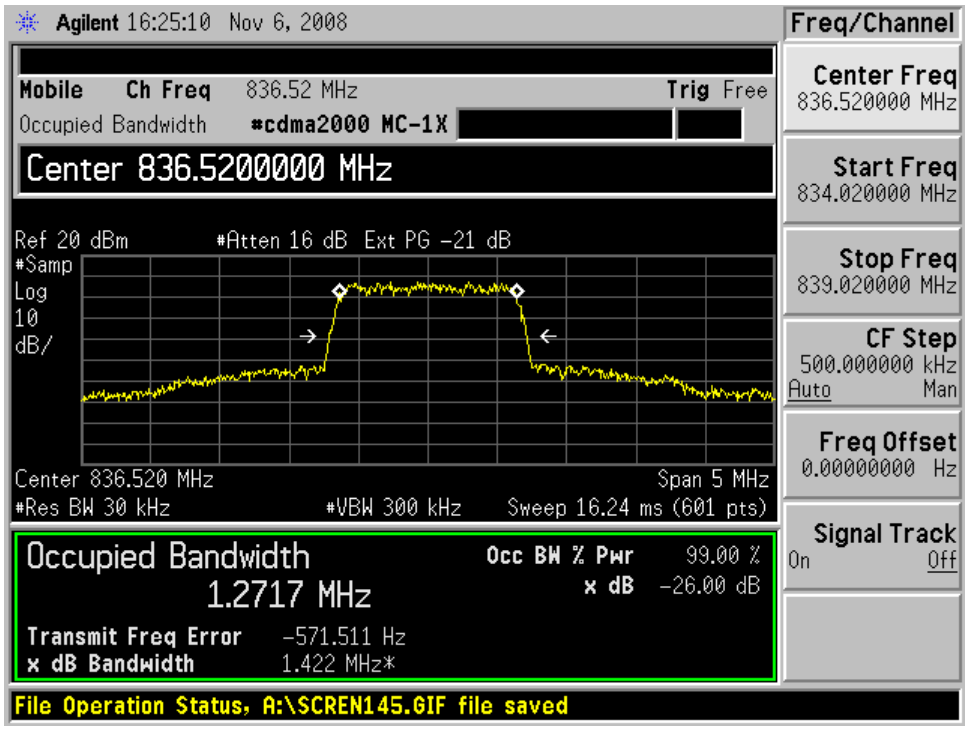
Channel	Frequency (MHz)	99% Bandwidth (MHz)	-26 dB Bandwidth (MHz)
Low	824.70	1.2734	1.428
Mid	836.52	1.2717	1.422
High	848.31	1.2732	1.423

Please refer to the following plots.

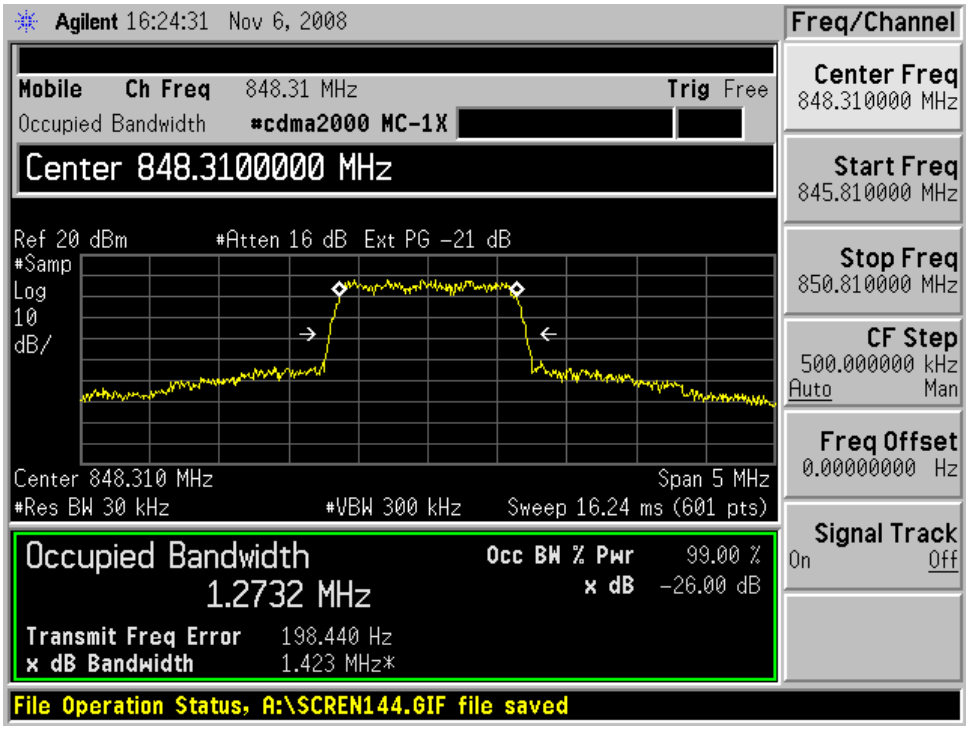
Low Channel



Mid Channel



High Channel



8 §2.1051, §22.917 - SPURIOUS EMISSIONS AT ANTENNA TERMINALS

8.1 Applicable Standard

Requirements: CFR 47, § 2.1051. § 22.917.

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1057.

8.2 Test Procedure

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 100 kHz. Sufficient scans were taken to show any out of band emissions up to 10^{th} harmonic.

8.3 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Cal. Dates
Agilent	Wireless communication test set	8960 E5515C	GB43042905	2008-01-19
Agilent	Spectrum Analysis	E4405B	MY41440292	2008-01-19

*** Statement of Traceability: ZTE Corporation Reliability Testing Center** attests that all calibrations have been performed per the NVLAP requirements, traceable to the NIST.

8.4 Environmental Conditions

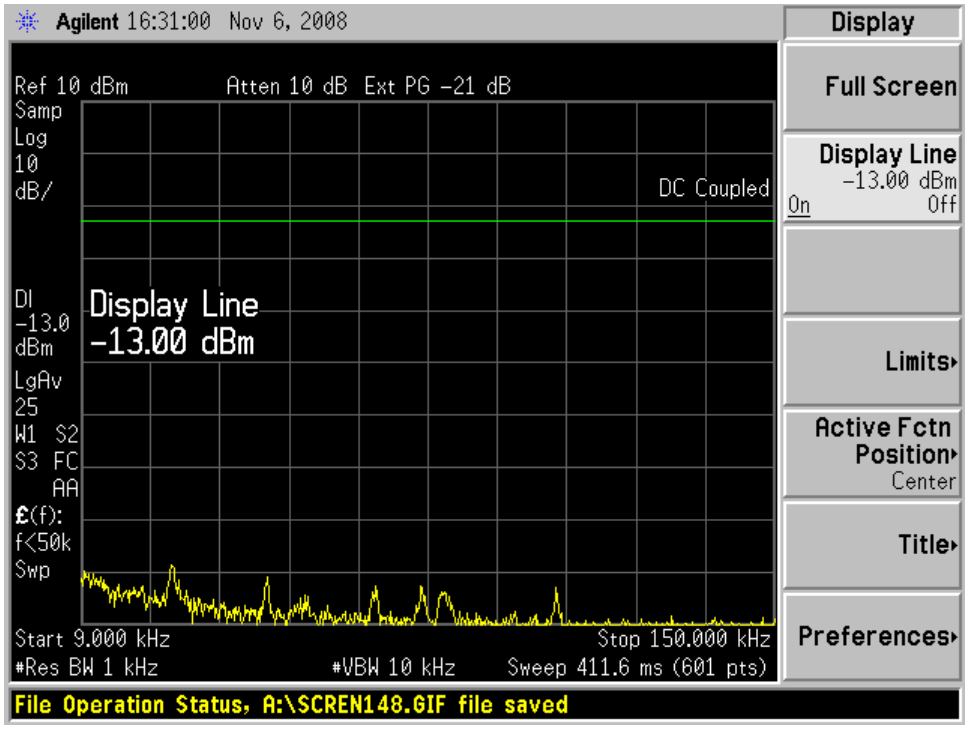
Temperature:	20° C
Relative Humidity:	55%
ATM Pressure:	1018mbar

** The testing was performed by Tina Bob Xiong 2008-11-01*

8.5 Test Results

Please refer to the hereinafter plots.

Channel 384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Ref 10 dBm
Atten 10 dB Ext PG -21 dB
Samp
Log
10
dB/
DC Coupled
Display Line
-13.00 dBm
Start 9.000 kHz
#Res BW 1 kHz
#VBW 10 kHz
Stop 150.000 kHz
Sweep 411.6 ms (601 pts)
Display
Full Screen
Display Line
-13.00 dBm
On Off
Limits
Active Fctn
Position
Center
Title
Preferences
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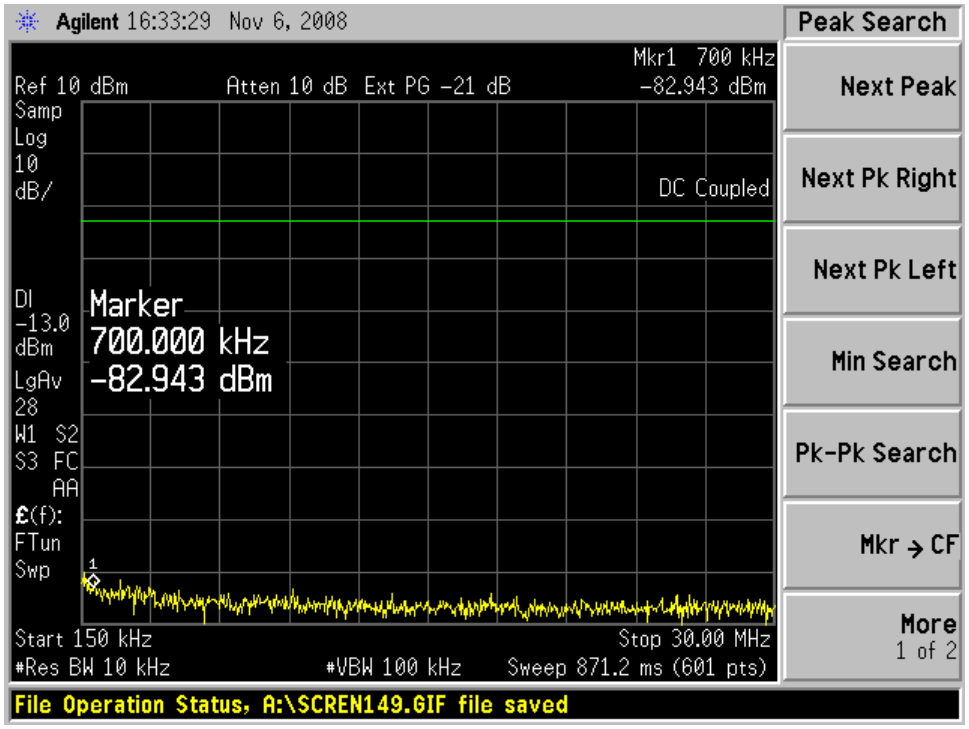
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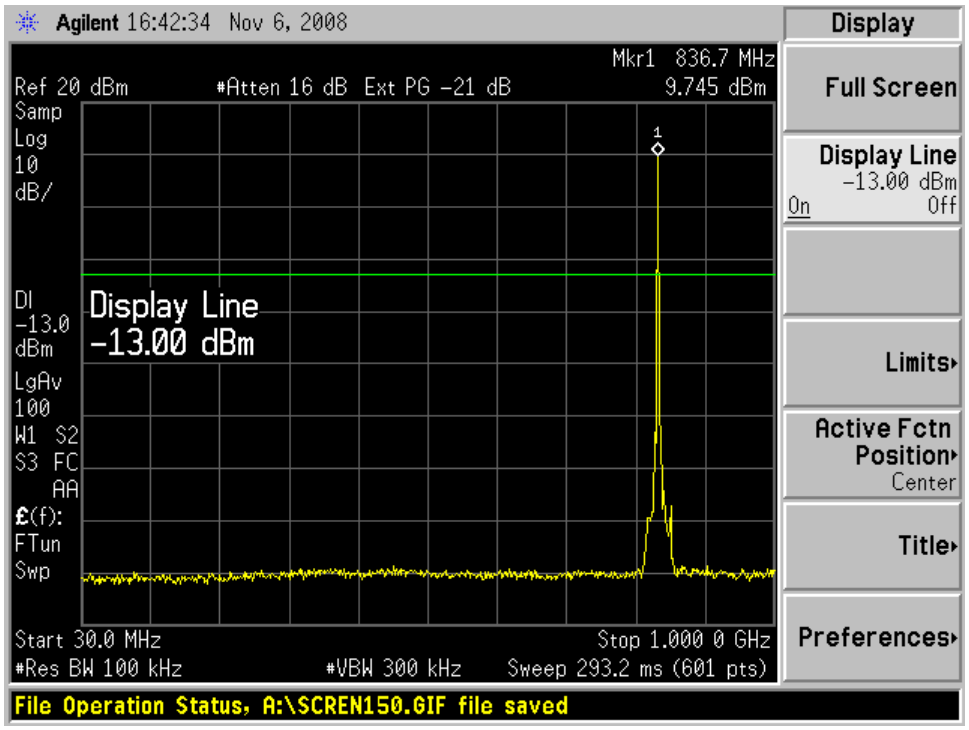
Mkr1 700 kHz
-82.943 dBm
Ref 10 dBm
Atten 10 dB Ext PG -21 dB
Samp
Log
10
dB/
DC Coupled
Marker
700.000 kHz
-82.943 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 100 kHz
Stop 30.00 MHz
Sweep 871.2 ms (601 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
File Operation Status, A:\SCREN149.GIF file saved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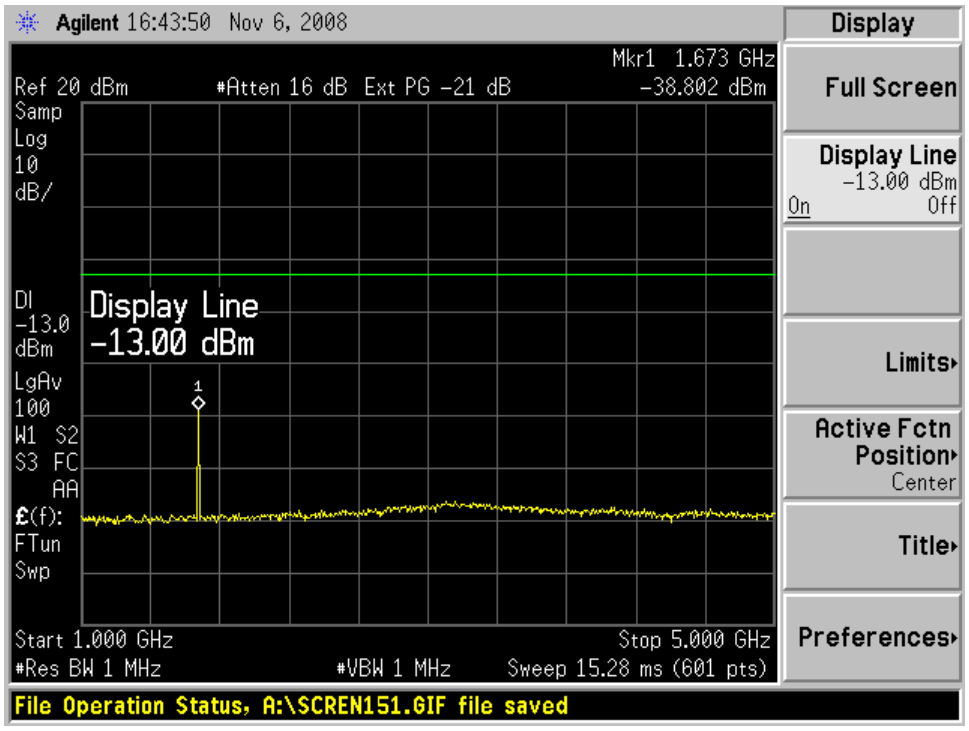
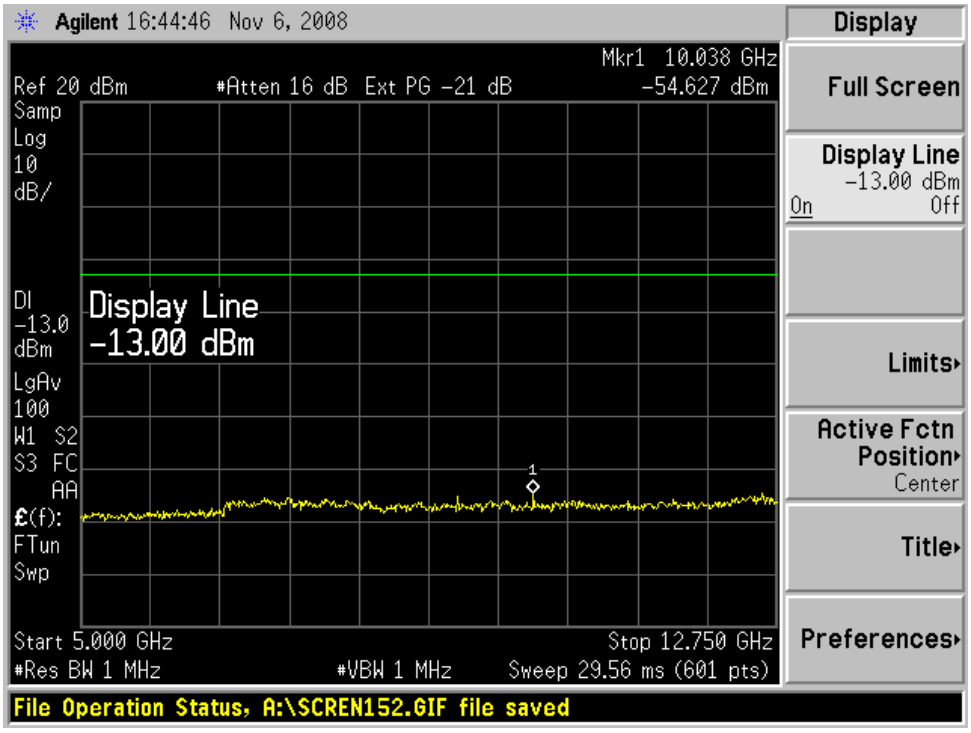
Display
Mkr1 836.7 MHz
Ref 20 dBm
#Atten 16 dB Ext PG -21 dB
9.745 dBm
Samp
Log
10
dB/
Full Screen
Display Line
-13.00 dBm
On Off
Dl
-13.0
dBm
Display Line
-13.00 dBm
LgAv
100
W1 S2
S3 FC
AA
£(f):
FTun
Swp
Limits
Active Fctn
Position
Center
Title
Preferences
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 293.2 ms (601 pts)
File Operation Status, A:\SCREN150.GIF file saved


Agilent 16:43:50 Nov 6, 2008
Display
Mkr1 1.673 GHz
Ref 20 dBm
#Atten 16 dB Ext PG -21 dB
-38.802 dBm
Samp
Log
10
dB/
Full Screen
Display Line
-13.00 dBm
On Off
Dl
-13.0
dBm
Display Line
-13.00 dBm
LgAv
100
W1 S2
S3 FC
AA
£(f):
FTun
Swp
Limits
Active Fctn
Position
Center
Title
Preferences
Start 1.000 GHz
Stop 5.000 GHz
#Res BW 1 MHz
#VBW 1 MHz
Sweep 15.28 ms (601 pts)
File Operation Status, A:\SCREN151.GIF file saved


Agilent 16:44:46 Nov 6, 2008
Mkr1 10.038 GHz
Ref 20 dBm
#Atten 16 dB Ext PG -21 dB
-54.627 dBm
Samp
Log
10
dB/
Dl
-13.0
dBm
Display Line
-13.00 dBm
LgAv
100
W1 S2
S3 FC
AA
£(f):
FTun
Swp
Start 5.000 GHz
Stop 12.750 GHz
#Res BW 1 MHz
#VBW 1 MHz
Sweep 29.56 ms (601 pts)
Display
Full Screen
Display Line
-13.00 dBm
On
Off
Limits
Active Fctn
Position
Center
Title
Preferences
File Operation Status, A:\SCREN152.GIF file saved

9 §2.1055 (a), §2.1055 (d), §22.355 - FREQUENCY STABILITY

9.1 Applicable Standard

Requirements: FCC § 2.1055 (a), § 2.1055 (d) & following:

According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table C-1 of this section.

Table C-1_Frequency Tolerance for Transmitters in the Public Mobile Services

Frequency range (MHz)	Base, fixed (ppm)	Mobile [le]3 watts (ppm)	Mobile [le]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 929.....	5.0	n/a	n/a
929 to 960.....	1.5	n/a	n/a
2110 to 2220.....	10.0	n/a	n/a

9.2 Test Procedure

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the communication test set.

9.3 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Cal. Dates
Agilent	Wireless communication test set	8960 E5515C	GB43042905	2008-01-19
Agilent	Spectrum Analysis	E4405B	MY41440292	2008-01-19
Wuxi	Temperature Oven	GDW-0100	G30064	2008-01-19

*** Statement of Traceability: ZTE Corporation Reliability Testing Center** attests that all calibrations have been performed per the NVLAP requirements, traceable to the NIST.

9.4 Environmental Conditions

Temperature:	20° C
Relative Humidity:	55%
ATM Pressure:	1018mbar

** The testing was performed by Tina Bob Xiong 2008-11-06*

9.5 Test Results

Frequency Stability versus Temperature:

Part 22H:

Reference Frequency: 836.52MHz, Limit: 2.5ppm				
Test Environment		**Frequency Error (Hz)**	**Measurement Results**	
Temperature (°C)	**Power Supplied (Vdc)**		**Error (ppm)**	**Limit (ppm)**
50	3.4	4.9	0.005858	2.5
40	3.4	-1.3	-0.001554	2.5
30	3.4	3.2	0.003825	2.5
20	3.4	0.1	0.0001195	2.5
10	3.4	3.8	0.004543	2.5
0	3.4	2.2	0.002630	2.5
-10	3.4	3.5	0.004184	2.5
-20	3.4	2.4	0.002869	2.5
-30	3.4	4.9	0.005858	2.5

Reference Frequency: 836.52 MHz, Limit: 2.5ppm				
Test Environment		**Frequency Error (Hz)**	**Measurement Results**	
Temperature (°C)	**Power Supplied (Vdc)**		**Error (ppm)**	**Limit (ppm)**
50	3.7	5.5	0.006574	2.5
40	3.7	-2.2	-0.002630	2.5
30	3.7	3.6	0.004303	2.5
20	3.7	0.6	0.0007173	2.5
10	3.7	4.5	0.005379	2.5
0	3.7	3.3	0.003945	2.5
-10	3.7	4.1	0.004901	2.5
-20	3.7	2.9	0.003467	2.5
-30	3.7	2.4	0.002869	2.5

Reference Frequency: 836.52 MHz, Limit: 2.5ppm				
Test Environment		Frequency Error (Hz)	Measurement Results	
Temperature (°C)	Power Supplied (Vdc)		Error (ppm)	Limit (ppm)
50	4.1	5.3	0.00633577	2.5
40	4.1	5.2	0.00621622	2.5
30	4.1	2.5	0.00298857	2.5
20	4.1	0.5	0.00059771	2.5
10	4.1	1.6	0.00285573	2.5
0	4.1	3.8	0.00454263	2.5
-10	4.1	2.8	0.00615080	2.5
-20	4.1	3.8	0.0033472	2.5
-30	4.1	2.7	0.00322766	2.5

10 §22.917 – BAND EDGE

10.1 Applicable Standard

According to § 22.917, 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.

10.2 Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The center of the spectrum analyzer was set to block edge frequency, RBW set to 10 kHz.

10.3 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Cal. Dates
Agilent	Wireless communication test set	8960 E5515C	GB43042905	2008-01-19
Agilent	Spectrum Analysis	E4405B	MY41440292	2008-01-19

*** Statement of Traceability: ZTE Corporation Reliability Testing Center** attests that all calibrations have been performed per the NVLAP requirements, traceable to the NIST.

10.4 Environmental Conditions

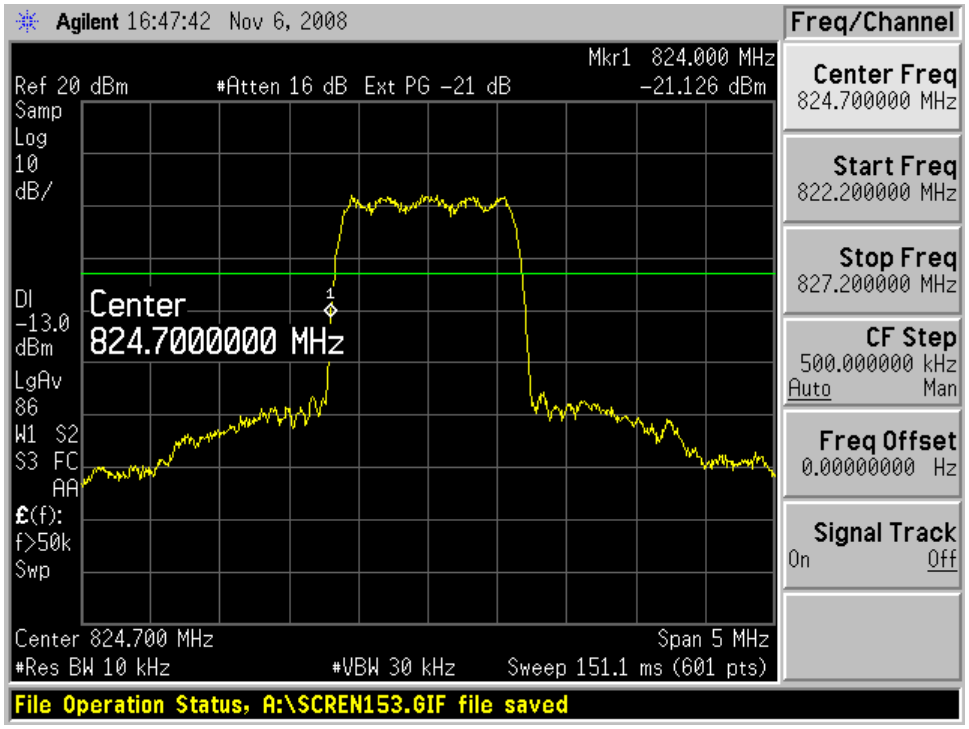
Temperature:	20° C
Relative Humidity:	55%
ATM Pressure:	1018mbar

The testing was performed by Tina Bob Xiong 2008-11-06

10.5 Test Results

Please refer to the following plots.

Lowest Channel



Highest Channel