

## HCT CO., LTD.

## CERTIFICATE OF COMPLIANCE

**FCC Certification** 

Applicant Name: Pantech Co., Ltd.

Address: DMC I-2, PANTECH R&D Center Sang Am dong, Mapogu, 121-792, Korea Date of Issue: August 09, 2011 Location: HCT CO., LTD., 105-1, Jangam-ri, Majang-Myeon, Icheonsi, Kyunggi-Do, Korea Test Report No.: HCTR1106FR12 HCT FRN: 0005866421

## FCC ID: JYCP9060

## APPLICANT:

### Pantech Co., Ltd.

FCC Model(s): EUT Type: FCC Classification: FCC Rule Part(s): Tx Frequency:	P9060 Quad band GSM/WCDMA Phone with Bluetooth&WLAN Licensed Portable Transmitter Held to Ear (PCE) §22, §24, §2 824.20 - 848.80 MHz (GSM850) 826.40 - 846.60 MHz (WCDMA850) 1 850.20 - 1 909.80 MHz (GSM1900) 1 852.4 – 1 907.6 MHz (WCDMA1900)
Rx Frequency:	869.20 - 893.80 MHz (GSM850) 871.40 - 891.60 (WCDMA850) 1 930.20 - 1 989.80 MHz (GSM1900) 1 932.4 – 1 987.6 MHz (WCDMA1900)
Max. RF Output Power:	0.675 W ERP GSM850 (28.29 dBm) / 0.386 W EIRP GSM1900 (25.87 dBm) 0.354 W ERP EDGE850 (25.49 dBm) / 0.252 W EIRP EDGE1900 (24.02 dBm) 0.203 W ERP WCDMA850(23.07 dBm) / 0.156 W EIRP WCDMA1900(21.93 dBm)
Emission Designator(s):	247KGXW (GSM850) 248KGXW (GSM1900) 241 KG7W (GSM850 EDGE) 249 KG7W (GSM1900 EDGE) 4M16F9W (WCDMA850) 4M15F9W (WCDMA1900)

The measurements shown in this report were made in accordance with the procedures specified in §2.947. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. HCT CO., LTD. Certifies that no party to this application has subject to a denial of Federal benefits that includes FCC benefits pursuant to section 5301 of the Anti-Drug Abuse Act of 1998,21 U.S. C.853(a)

Report prepared by : Hyo Sun Kwak Test engineer of RF Team

Approved by Sang Jun Lee Manager of RF Team

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# **Version**

TEST REPORT NO.	DATE	DESCRIPTION
HCTR1106FR12	August 09, 2011	First Approval Report

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## **MEASUREMENT REPORT**

## **1. GENERAL INFORMATION**

Applicant Name:	Pantech Co., Ltd.
Address:	DMC I-2, PANTECH R&D Center Sang Am dong, Mapogu, 121-792, Korea
FCC ID:	JYCP9060
Application Type:	Certification
FCC Classification:	Licensed Portable Transmitter Held to Ear (PCE)
FCC Rule Part(s):	§22, §24, §2
EUT Type:	Quad band GSM/WCDMA Phone with Bluetooth&WLAN
FCC Model(s):	P9060
Tx Frequency:	824.20 - 848.80 MHz (GSM850) 826.40 - 846.60 MHz (WCDMA850) 1 850.20 - 1 909.80 MHz (GSM1900) 1 852.4 – 1 907.6 MHz (WCDMA1900)
Rx Frequency:	869.20 - 893.80 MHz (GSM850) 871.40 - 891.60 (WCDMA850) 1 930.20 - 1 989.80 MHz (GSM1900) 1 932.4 – 1 987.6 MHz (WCDMA1900)
Max. RF Output Power:	0.675 W ERP GSM850 (28.29 dBm) / 0.386 W EIRP GSM1900 (25.87 dBm) 0.354 W ERP EDGE850 (25.49 dBm) / 0.252 W EIRP EDGE1900 (24.02 dBm) 0.203 W ERP WCDMA850(23.07 dBm) / 0.156 W EIRP WCDMA1900(21.93 dBm)
Emission Designator(s):	247KGXW (GSM850) 248KGXW (GSM1900) 241 KG7W (GSM850 EDGE) 249 KG7W (GSM1900 EDGE) 4M16F9W (WCDMA850) 4M15F9W (WCDMA1900)
Date(s) of Tests:	May 30, 2011 ~ June 07, 2011

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## 2. INTRODUCTION

### 2.1. EUT DESCRIPTION

The Pantech Co., Ltd. P9060 Quad band GSM/WCDMA Phone with Bluetooth&WLAN consists of GSM850, GSM1900, GPRS Class10, GPRS mode Class B(GPRS and GSM, but not simultaneously), EDGE, WCDMA850, WCDMA1900, HSDPA and HSUPA.

### 2.2. MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

### 2.3. TEST FACILITY

The SAC(Semi-Anechoic Chamber) and conducted measurement facility used to collect the radiated data are located at the 105-1, Jangam-ri , Majang-Myeon, Icheon-si, 467-811, KOREA. The site is constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. Detailed description of test facility was submitted to the Commission and accepted dated March 02, 2011 (Registration Number: 90661)

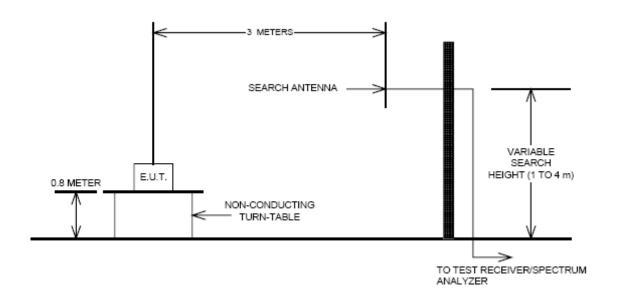
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## **3. DESCRIPTION OF TESTS**

## 3.1 EFFECTIVE RADIATED POWER/EQUIVALENT ISOTROPIC RADIATED POWER

### Test Set-up



#### **Test Procedure**

Radiated emission measurements were performed at an SAC(Semi-Anechoic Chamber)

The equipment under test is placed on a non-conductive styrofoam resin table 3-meters from the receive antenna. A styrofoam turntable was rotated 360° and the receiving antenna scanned from 1-4m in order to capture the maximum emission. A half wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the previously recorded signal was duplicated.

The maximum EIRP was calculated by adding the forward power to the calibrated source plus its appropriate gain value. These steps were carried out with the receiving antenna in both vertical and horizontal polarization. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic antenna are taken into consideration.

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### 3.2 PEAK- TO- AVERAGE RATIO

A peak to average ratio measurement is performed at the conducted port of the EUT. For CDMA and WCDMA signals, the spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level. For GSM signals, an average and a peak trace are used on a

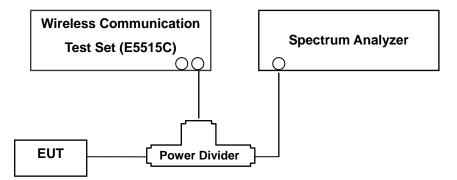
spectrum analyzer to determine the largest deviation between the average and the peak power of the EUT in a bandwidth greater than the emission bandwidth. Plots of the EUT's Peak- to- Average Ratio are shown herein.

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### 3.3 OCCUPIED BANDWIDTH.

#### Test set-up



(Configuration of conducted Emission measurement) Test Procedure

The EUT was setup to maximum output power at its lowest channel. The occupied bandwidth was measured using a spectrum analyzer. The measurements are repeated for the highest and a middle channel. The EUT's occupied bandwidth is measured as the width of the signal between two points, one below the carrier center frequency and one above the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. Plots of the EUT's occupied bandwidth are shown herein.

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## 3.4 SPURIOUS AND HARMONIC EMISSIONS AT ANTENNA TERMINAL.

**Test Procedure** 

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer.

The EUT was setup to maximum output power at its lowest channel. The Resolution BW of the analyzer is set to 1 % of the emission bandwidth to show compliance with the – 13 dBm limit, in the 1 MHz bands immediately outside and adjacent to the edge of the frequency block. The 1 MHz RBW was used to scan from 10 MHz to 10 GHz. (GSM1900 Mode: 10 MHz to 20 GHz). A display line was placed at – 13 dBm to show compliance. The high, lowest and a middle channel were tested for out of band measurements.

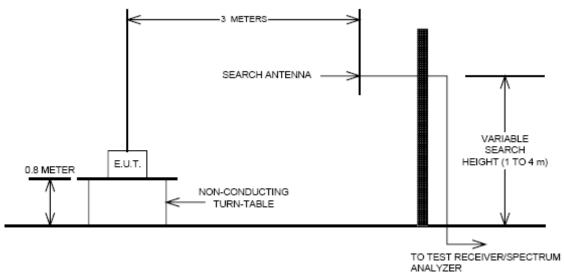
- Band Edge Requirement : In the 1MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions. Limit, -13dBm.

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## 3.5 RADIATED SPURIOUS AND HARMONIC EMISSIONS

## Test Set-up



The measurement facilities used for this test have been documented in previous filings with the commission pursuant to section § 2.948. The SAC(Semi-Anechoic Chamber) meets requirements in ANSI C63.4 –2003. A mast capable of lifting the receiving antenna from a height of one to four meters is used together with a rotatable styrofoam platform mounted at three from the antenna mast.

- 1) The unit mounted on a styrofoam turntable 1.5 m × 1.0 m × 0.80 m is 0.8 meter above test site ground level.
- 2) During the emission test, the turntable is rotated and the EUT is manipulated to find the configuration resulting in maximum emission under normal condition of installation and operation.
- 3) The antenna height and polarization are also varied from 1 to 4 meters until the maximum signal is found.
- 4) The spectrum shall be scanned up to the 10<sup>th</sup> harmonic of the fundamental frequency.

### Test Procedure

The equipment under test is placed on a non-conductive styrofoam resin table 3-meters from the receive antenna. A styrofoam turntable was rotated 360° and the receiving antenna scanned from 1-4m in order to capture the maximum emission. A half wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the previously recorded signal was duplicated.

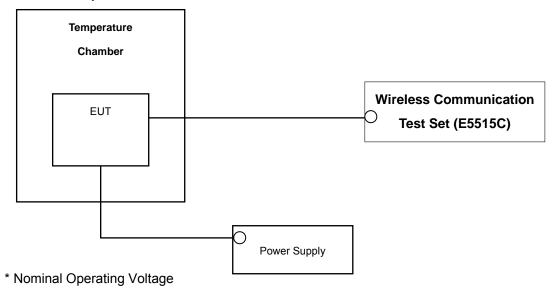
The maximum EIRP was calculated by adding the forward power to the calibrated source plus its appropriate gain value. These steps were carried out with the receiving antenna in both vertical and horizontal polarization. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic antenna are taken into consideration.

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## 3.6 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

Test Set-up



#### Test Procedure

The frequency stability of the transmitter is measured by:

a.) Temperature: The temperature is varied from - 30 °C to + 50 °C using an environmental chamber.

b.) **Primary Supply Voltage:** The primary supply voltage is varied from battery end point to 115 % of the voltage normally at the input to the device or at the power supply terminals if cables are not normally supplied.

Specification — the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within  $\pm$  0.000 25 %( $\pm$  2.5 ppm) of the center frequency.

#### Time Period and Procedure:

The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).

1. The equipment is turned on in a "standby" condition for one minute before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.

2. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one halfhour is provided to allow stabilization of the equipment at each temperature level. **NOTE: The EUT is tested down to the battery endpoint.** 

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## **4. LIST OF TEST EQUIPMENT**

Manufacture	Model/ Equipment	Serial Number	Calibration Interval	Calibration Due
R&S	N9020A	MY51110020	Annual	04/16/2012
Agilent	E4416A/ Power Meter	GB41291412	Annual	01/04/2012
Agilent	E9327A/ Power Sensor	MY4442009	Annual	05/02/2012
Agilent	8960 (E5515C)/ Base Station	GB44400269	Annual	02/10/2012
MITEQ	AMF-6D-001180-35-20P/AMP	990893	Annual	05/02/2012
Wainwright	WHK1.2/15G-10EF/H.P.F	2	Annual	05/02/2012
Wainwright	WHK3.3/18G-10EF/H.P.F	1	Annual	05/02/2012
Agilent	775D/ Dual Directional Coupler	12922	Annual	12/29/2011
Agilent	11636B/ Power Divider	11377	Annual	12/29/2011
Digital	EP-3010/ Power Supply	3110117	Annual	01/04/2012
Schwarzbeck	UHAP/ Dipole Antenna	949	Biennial	03/18/2012
Schwarzbeck	UHAP/ Dipole Antenna	950	Biennial	03/18/2012
Korea Engineering	KR-1005L / Chamber	KRAB07063-2CH	Annual	12/28/2011
Schwarzbeck	BBHA 9120D/ Horn Antenna	296	Biennial	09/23/2011
Schwarzbeck	BBHA 9120D/ Horn Antenna	147	Biennial	04/13/2012
Agilent	E4440A/Spectrum Analyzer	US45303008	Annual	05/02/2012

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## 5. SUMMARY OF TEST RESULTS

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result
2.1049, 22.917(a), 24.238(a)	Occupied Bandwidth	N/A		PASS
2.1051, 22.917(a), 24.238(a)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal.	< 43 + 10log10 (P[Watts]) at Band Edge and for all out-of-band emissions		PASS
2.1046	Conducted Output Power	-	CONDUCTED	PASS
24.232(d)	Peak- to- Average Ratio	< 13 dB		PASS
2.1055, 22.355, 24.235	Frequency stability / variation of ambient temperature	< 2.5 ppm		PASS
22.913(a)(2)	Effective Radiated Power	< 7 Watts max. ERP		PASS
24.232(c)	Equivalent Isotropic Radiated Power	< 2 Watts max. EIRP	RADIATED	PASS
2.1053, 22.917(a), 24.238(a)	Radiated Spurious and Harmonic Emissions	< 43 + 10log10 (P[Watts]) for all out-of band emissions		PASS

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## **6. SAMPLE CALCULATION**

## A. ERP Sample Calculation

Mode	Ch./ Freq.		Measured Substitude		Ant. Gain	C.L	Pol.	ERP	
Mode	channel	Freq.(MHz)	Level(dBm)	LEVEL(dBm)	Ant. Gain	<b>U.</b> L	FOI.	w	dBm
GSM850	128	824.20	-11.56	34.28	-8.32	1.17	Н	0.30	24.79

#### ERP = SubstitudeLEVEL(dBm) + Ant. Gain – CL(Cable Loss)

1) The EUT mounted on a wooden tripod is 0.8 meter above test site ground level.

2) During the test, the turn table is rotated and the antenna height is also varied from 1 to 4 meters until the maximum signal is found.

3) Record the field strength meter's level.

4) Replace the EUT with dipole/Horn antenna that is connected to a calibrated signal generator.

5) Increase the signal generator output till the field strength meter's level is equal to the item (3).

6) The signal generator output level with Ant. Gain and cable loss are the rating of effective radiated power (**ERP**).

## **B. Emission Designator**

### **GSM Emission Designator**

Emission Designator = 249KGXW

GSM BW = 249 kHz

G = Phase Modulation

X = Cases not otherwise covered

W = Combination (Audio/Data)

### WCDMA Emission Designator

#### Emission Designator = 4M17F9W

WCDMA BW = 4.17 MHz

- F = Frequency Modulation
- 9 = Composite Digital Info
- W = Combination (Audio/Data)

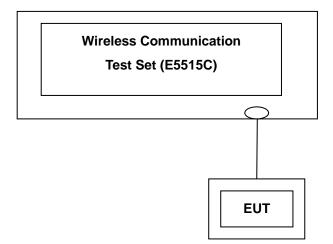
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## 7. TEST DATA

## 7.1 CONDUCTED OUTPUT POWER

A base station simulator was used to establish communication with the EUT. The base station simulator parameters were set to produce the maximum power from the EUT. This device was tested under all configurations and the highest power is reported. Conducted Output Powers of EUT are reported below.



**Test Result** 

		Voice	GPRS	S Data
Band	Channel	GSM (dBm)	GPRS 1 TX Slot (dBm)	GPRS 2 TX Slot (dBm)
GSM	128	32.76	32.44	32.23
850	190	32.53	32.50	32.43
000	251	32.62	32.26	32.46
GSM	512	29.60	29.50	29.45
1900	661	29.53	29.27	29.35
1900	810	29.10	29.10	29.10

(GSM Conducted Maximum Output Powers)

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		EDGE Data		
Band	Channel	EDGE 1 TX Slot (dBm)	EDGE 2 TX Slot (dBm)	
GSM	128	26.83	26.75	
850	190	26.71	26.63	
000	251	26.52	26.46	
GSM	512	25.64	25.73	
1900	661	25.79	25.89	
1900	810	25.70	25.85	

(GSM EDGE Conducted Output Powers)

3GPP		3GPP 34.121	Cel	lular Band [d	Bm]	
Release Version	Mode	Subtest	UL 4132 (826.4) DL 4357	UL 4183 (836.6) DL 4408	UL 4233 (846.6) DL 4458	MPR
99	WCDMA	12.2 kbps RMC	22.81	22.91	22.86	-
99	WCDMA	12.2 kbps AMR	-	-	-	-
5		Subtest 1	22.94	22.93	22.88	0
5	HSDPA	Subtest 2	23.02	22.95	22.94	0
5	HODFA	Subtest 3	22.54	22.48	22.48	-0.5
5		Subtest 4	22.57	22.49	22.51	-0.5
6		Subtest 1	22.84	23.01	23.14	0
6		Subtest 2	20.98	21.05	21.08	-2
6	HSUPA	Subtest 3	21.61	21.73	22.24	-1
6		Subtest 4	21.91	21.76	21.99	-2
6		Subtest 5	22.75	22.72	22.78	0

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2000		3GPP 34.121	P	CS Band [dBi	n]	
3GPP Release Version	Mode	Subtest	UL 9262 (1852.4) DL 9662	UL 9400 (1880.0) DL 9800	UL 9538 (1907.6) DL 9938	MPR
99	WCDMA	12.2 kbps RMC	22.85	22.71	22.75	-
99	WCDMA	12.2 kbps AMR	-	-	-	-
5		Subtest 1	22.70	22.72	22.57	0
5	HSDPA	Subtest 2	22.76	22.75	22.56	0
5	HODEA	Subtest 3	22.28	22.26	22.05	-0.5
5		Subtest 4	22.26	22.25	22.06	-0.5
6		Subtest 1	23.18	22.78	22.79	0
6		Subtest 2	20.99	20.91	20.94	-2
6	HSUPA	Subtest 3	22.34	21.60	22.07	-1
6		Subtest 4	22.00	21.74	21.74	-2
6		Subtest 5	22.87	23.02	22.48	0

(WCDMA Conducted Output Powers)

Note : Detecting mode is average.

### 7.2 PEAK-TO-AVERAGE RATIO

- Plots of the EUT's Peak- to- Average Ratio are shown Page 35, 39.

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## 7.3 OCCUPIED BANDWIDTH

Band	Channel	Frequency(MHz)	Data (GSM: kHz / WCDMA : MHz)
	128	824.20	246.8950
GSM850	190	836.60	243.2540
	251	848.80	243.4627
GSM850 EDGE	128	824.20	241.0246
	512	1850.20	243.7019
GSM1900	661	1880.00	247.8635
	810	1909.80	246.7108
GSM1900 EDGE	661	1880.00	248.7929
	4132	826.40	4.1569
WCDMA850	4183	836.60	4.1404
	4233	846.60	4.1433
	9262	1852.40	4.1459
WCDMA1900	9400	1880.00	4.1304
	9538	1907.60	4.1522

- Plots of the EUT's Occupied Bandwidth are shown Page 31 ~ 34, 36 ~ 38.

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## 7.4 CONDUCTED SPURIOUS EMISSIONS

Band	Channel	Frequency of Maximum Harmonic (GHz)	Maximum Data (dBm)
	128	7.0750	-30.73
GSM850	190	7.7750	-31.13
	251	7.0625	-30.87
	512	14.1870	-27.44
GSM1900	661	13.3330	-27.64
	810	13.6800	-27.76
	4132	1.6520	-40.06
WCDMA850	4183	7.8250	-40.85
	4233	7.0000	-40.53
	9262	16.2130	-38.02
WCDMA1900	9400	14.6930	-37.88
	9538	14.5600	-37.49

- Plots of the EUT's Conducted Spurious Emissions are shown Page 51 ~ 63.

#### 7.4.1 BAND EDGE

- Plots of the EUT's Band Edge are shown Page 39 ~ 51.

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## 7.5 EFFECTIVE RADIATED POWER OUTPUT (GSM / WCDMA)

#### (GSM850 Mode)

Ch./	Ch./ Freq.		Substitude	Ant. Gain	C.L	Pol.	ER	Р
channel	Freq.(MHz)	Level(dBm)	LEVEL (dBm)	(dBd)	U.L	FUI.	W	dBm
128	824.20	-9.74	38.89	-10.24	1.61	V	0.51	27.04
190	836.60	-9.63	39.15	-10.36	1.67	V	0.52	27.12
251	848.80	-8.66	40.41	-10.48	1.64	V	0.67	28.29
EDGE 251	848.80	-11.46	37.61	-10.48	1.64	V	0.35	25.49

#### (WCDMA850 Mode)

Ch./	Freq.	Measured	Substitude	Ant. Gain	C.L Pol. ERP	RP		
channel	Freq.(MHz)	Level(dBm)	LEVEL (dBm)	(dBd)		C.L	FUI.	w
4132	826.40	-15.22	33.43	-10.26	1.61	V	0.143	21.56
4183	836.60	-14.57	34.21	-10.36	1.67	V	0.165	22.18
4233	846.60	-13.88	35.17	-10.46	1.64	V	0.203	23.07

Note: Standard batteries are the only options for this phone

#### NOTES:

#### Effective Radiated Power Output Measurements by Substitution Method

according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a non-conductive styrofoam resin table table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For WCDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For WCDMA signals, a peak detector is used, with RBW = VBW = 1 MHz. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. The conducted power at the terminals of the dipole is measured. The ERP is recorded.

This device was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1" and in GSM mode and using a Power Control Level of "0" in the PCS Band and "5" in the Cellular Band. This unit was tested with its standard battery. Also, we have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna. The worst case of the EUT is y plane in GSM850 and WCDMA850 mode. Also worst case of detecting Antenna is vertical polarization in GSM850 and WCDMA850 mode.

The EDGE mode testing were performed using 1Tx because 1Tx is highest power in EDGE mode.

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## 7.6 EQUIVALENT ISOTROPIC RADIATED POWER (GSM / WCDMA)

#### (GSM1900 Mode)

Ch./ Freq.		Measured	Substitude	Ant. Gain	C.L	Pol.	Ell	RP
channel	Freq.(MHz)	Level(dBm)	LEVEL (dBm)	(dBi)	U.L	FUI.	w	dBm
512	1,850.20	-15.96	17.75	10.40	2.83	Н	0.34	25.31
661	1,880.00	-15.73	18.05	10.43	2.81	Н	0.37	25.67
810	1,909.80	-15.73	18.26	10.47	2.86	Н	0.39	25.87
EDGE 810	1,909.80	-17.58	16.41	10.47	2.86	Н	0.25	24.02

#### (WCDMA1900 Mode)

Ch./	Freq.	Measured	Substitude	Ant. Gain	C.L	Pol.	Ell	RP
channel	Freq.(MHz)	Level(dBm)	LEVEL (dBm)	(dBi)	U.L	FUI.	w	dBm
9262	1,852.40	-20.88	12.83	10.40	2.83	Н	0.11	20.39
9400	1,880.00	-20.59	13.19	10.43	2.81	Н	0.12	20.81
9538	1,907.60	-19.67	14.32	10.47	2.86	Н	0.16	21.93

Note: Standard batteries are the only options for this phone

#### NOTES:

#### Equivalent Isotropic Radiated Power Measurements by Substitution Method

#### according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

The EUT was placed on a non-conductive styrofoam resin table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. For CDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For WCDMA signals, a peak detector is used, with RBW = VBW = 3 MHz. For WCDMA signals, a peak detector is used, with RBW = VBW = 1 MHz. A Horn antenna was substituted in place of the EUT. This Horn antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. The conducted power at the terminals of the Horn antenna is measured. The difference between the gain of the horn and an isotropic antenna is taken into consideration and the EIRP is recorded.

This device was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1" and in GSM mode and using a Power Control Level of "0" in the PCS Band and "5" in the Cellular Band. This unit was tested with its standard battery. Also, we have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna. The worst case of the EUT is x plane in GSM1900 and WCDMA1900 mode. Also worst case of detecting Antenna is in horizontal polarization in GSM1900 and WCDMA1900 mode.

The EDGE mode testing were performed using 1Tx because 1Tx is highest power in EDGE mode.

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## 7.7 RADIATED SPURIOUS EMISSIONS 7.7.1 RADIATED SPURIOUS EMISSIONS (GSM850)

MEASURED OUTPUT POWER:	28.29 dBm = 0.675W

MODULATION SIGNAL: GSM850

DISTANCE:

■ LIMIT: - (43 + 10 log10 (W)) = \_\_\_\_\_ - 41.29 dBc

Ch.	Freq.(MHz)	Measured Level	Ant. Gain (dBd)	<u>Substitute</u> Level [dBm]	C.L	Pol.	ERP (dBm)	dBc
	1,648.40	-47.68	9.66	-56.29	2.63	V	-49.26	-77.55
128 (824.2)	2,472.60	_	_	_	_	-	_	_
	3,296.80	_	_	-	-	-	-	_
	1,673.20	-48.76	9.77	-57.78	2.67	V	-50.68	-78.97
190 (836.6)	2,509.80	_	_	_	_	-	_	_
	3,346.40	_	-	_	-	-	_	_
	1,697.60	-50.38	9.94	-59.46	2.61	V	-52.13	-80.42
251 (848.8)	2,546.40	-52.70	10.84	-58.44	3.60	V	-51.20	-79.49
	3,395.20	-49.80	11.98	-55.91	4.11	V	-48.04	-76.33

3 meters

### **NOTES:** <u>1. Radiated Spurious Emission Measurements at 3 meters by Substitution Method</u> according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

2. The magnitude of spurious emissions attenuated more than 20dB below the limit above 5<sup>th</sup> Harmonic for <u>all channel.</u>

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#### 7.7.2 RADIATED SPURIOUS EMISSIONS (GSM1900)

MEASURED OUTPUT POWER: 25.87 dBm = 0.386 W

MODULATION SIGNAL:
<u>GSM1900</u>

DISTANCE:

■ LIMIT: - (43 + 10 log10 (W)) = \_\_\_\_\_ - <u>38.87 dBc</u>

3 meters

Ch.	Freq.(MHz)	Measured Level	Ant. Gain (dBi)	<u>Substitute</u> Level [dBm]	C.L	Pol.	EIRP (dBm)	dBc
	3,700.40	-42.14	12.36	-45.79	4.87	V	-38.30	-64.17
512 (1850.2)	5,550.60	-51.95	12.61	-48.61	6.66	Н	-42.66	-68.53
	7,400.80	Ι	Ι	_	_	_	_	_
	3,760.00	-45.70	12.40	-48.83	4.88	V	-41.31	-67.18
661 (1880.0)	5,640.00	-54.04	12.65	-50.66	6.54	Н	-44.55	-70.42
	7,520.00	_	_	_	_	_	_	_
	3,819.60	-49.60	12.45	-53.01	5.02	Н	-45.58	-71.45
810 (1909.8)	5,729.40	_	_	-	-	-	-	_
	7,639.20	_	_	_	_	_	_	_

## **NOTES:** <u>1. Radiated Spurious Emission Measurements at 3 meters by Substitution Method</u>

according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

2. The magnitude of spurious emissions attenuated more than 20dB below the limit above 5<sup>th</sup> Harmonic for <u>all channel.</u>

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#### 7.7.3 RADIATED SPURIOUS EMISSIONS (WCDMA850)

MEASURED OUTPUT POWER: 23.07 dBm = 0.203 W

MODULATION SIGNAL: WCDMA850

DISTANCE:

LIMIT: - (43 + 10 log10 (W)) = - 36.07 dBc

Ch.	Freq.(MHz)	Measured Level	Ant. Gain (dBd)	<u>Substitute</u> Level [dBm]	C.L	Pol.	ERP (dBm)	dBc
	1,652.80	-42.25	8.57	-51.42	2.04	Н	-44.89	-67.96
4,132 (826.4)	2,479.20	_	_	_	_	-	_	_
	3,305.60	_	_	_	-	-	_	_
	1,673.20	-40.32	8.57	-49.51	2.12	Н	-43.06	-66.13
4,183 (836.6)	2,509.80	_	-	-	_	_	_	_
	3,346.40	_	_	_	-	-	_	_
	1,693.20	-43.83	8.57	-52.91	2.08	Н	-46.42	-69.49
4,233 (846.6)	2,539.80	_	_	_	_	-	_	_
	3,386.40	_	_	_	-	-	_	-

3 meters

**NOTES:** <u>1. Radiated Spurious Emission Measurements at 3 meters by Substitution Method</u>

according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

2. The magnitude of spurious emissions attenuated more than 20dB below the limit above 5<sup>th</sup> Harmonic for <u>all channel.</u>

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#### 7.7.4 RADIATED SPURIOUS EMISSIONS (WCDMA1900)

- MEASURED OUTPUT POWER: 21.93 dBm = 0.156 W
- MODULATION SIGNAL: WCDMA1900
- DISTANCE:
- LIMIT: (43 + 10 log10 (W)) = \_\_\_\_\_\_ 34.93 dBc

Ch.	Freq.(MHz)	Measured Level	Ant. Gain (dBi)	<u>Substitute</u> Level [dBm]	C.L	Pol.	EIRP (dBm)	dBc
	3,704.80	-50.86	12.46	-56.69	3.78	Н	-48.01	-69.94
9262	5,557.20	-	_	_	_	_	_	_
	7,409.60	_	_	-	-	-	-	_
	3,760.00	-51.43	12.47	-57.04	3.84	V	-48.41	-70.34
9400	5,640.00	_	_	-	-	-	-	_
	7,520.00	_	-	-	-	-	-	_
	3,815.20	-43.19	12.46	-49.18	3.86	V	-40.58	-62.51
9538	5,722.80	_	_	_	-	-	_	_
	7,630.40	_	_	_	_	_	_	_

3 meters

## **NOTES:** <u>1. Radiated Spurious Emission Measurements at 3 meters by Substitution Method</u>

according to ANSI/TIA/EIA-603-C-2004, Aug. 17, 2004:

2. The magnitude of spurious emissions attenuated more than 20dB below the limit above 5<sup>th</sup> Harmonic for <u>all channel.</u>

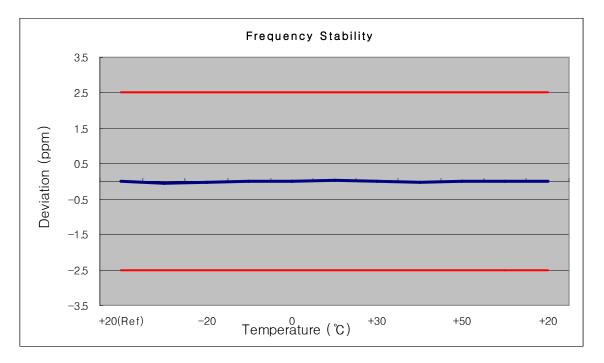
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## 7.8 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE 7.8.1 FREQUENCY STABILITY (GSM850)

OPERATING FREQUENCY:	<u>836,600,000 Hz</u>
CHANNEL:	190
REFERENCE VOLTAGE:	3.7 VDC
DEVIATION LIM IT:	± 0.000 25 % or 2.5 ppm

Voltage	Power	Temp.	Frequency	Frequency	Deviation	222
(%)	(VDC)	(°°)	(Hz)	Error (Hz)	(%)	ppm
100%		+20(Ref)	836 600 007	0	0.000 000	0.000
100%		-30	836 599 961	-39.07	-0.000 005	-0.047
100%		-20	836 599 966	-34.50	-0.000 004	-0.041
100%		-10	836 600 011	10.98	0.000 001	0.013
100%	3.700	0	836 600 009	8.64	0.000 001	0.010
100%		+10	836 600 019	18.80	0.000 002	0.022
100%		+30	836 599 991	-8.98	-0.000 001	-0.011
100%		+40	836 599 971	-28.70	-0.000 003	-0.034
100%		+50	836 600 004	4.35	0.000 001	0.005
115%	4.255	+20	836 599 991	-8.98	-0.000 001	-0.011
Batt. Endpoint	3.400	+20	836 600 008	8.16	0.000 001	0.010



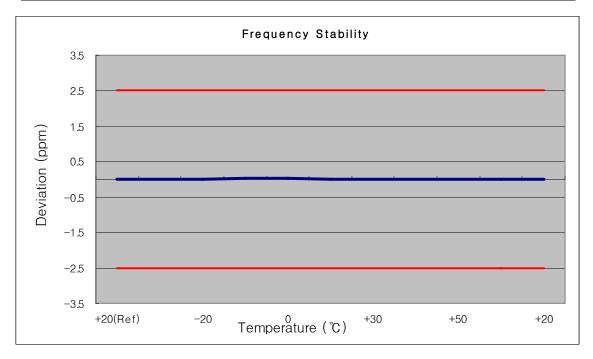
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## 7.8.2 FREQUENCY STABILITY (GSM1900)

OPERATING FREQUENCY:	1880,000,000 Hz
CHANNEL:	661
REFERENCE VOLTAGE:	3.7 VDC
DEVIATION LIM IT:	± 0.000 25 % or 2.5 ppm

Voltage	Power	Temp.	Frequency	Frequency	Deviation	
(%)	(VDC)	(°°)	(Hz)	Error (Hz)	(%)	ppm
100%		+20(Ref)	1879 999 971	0	0.000 000	0.000
100%		-30	1879 999 977	-22.81	-0.000 001	-0.012
100%		-20	1880 000 018	18.41	0.000 001	0.010
100%		-10	1880 000 033	32.50	0.000 002	0.017
100%	3.700	0	1880 000 052	52.01	0.000 003	0.028
100%		+10	1880 000 012	11.91	0.000 001	0.006
100%		+30	1880 000 006	5.71	0.000 000	0.003
100%		+40	1879 999 996	-3.92	0.000 000	-0.002
100%		+50	1879 999 994	-5.83	0.000 000	-0.003
115%	4.255	+20	1880 000 024	24.19	0.000 001	0.013
Batt. Endpoint	3.400	+20	1880 000 016	16.21	0.000 001	0.009



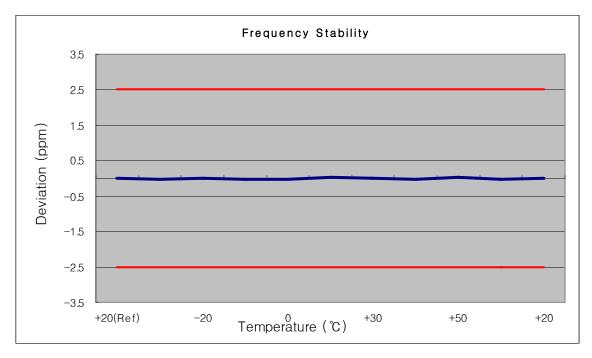
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## 7.8.3 FREQUENCY STABILITY (WCDMA850)

OPERATING FREQUENCY:	836,600,000 Hz
CHANNEL:	4183
REFERENCE VOLTAGE:	3.7 VDC
DEVIATION LIM IT:	<u>± 0.000 25 % or 2.5 ppm</u>

Voltage	Power	Temp.	Frequency	Frequency	Deviation	
(%)	(VDC)	(°°)	(Hz)	Error (Hz)	(%)	ppm
100%		+20(Ref)	836 599 989	0	0.000 000	0.000
100%		-30	836 599 973	-26.98	-0.000 003	-0.032
100%		-20	836 600 006	5.62	0.000 001	0.007
100%		-10	836 599 987	-13.47	-0.000 002	-0.016
100%	3.700	0	836 599 980	-20.46	-0.000 002	-0.024
100%		+10	836 600 020	20.23	0.000 002	0.024
100%		+30	836 600 008	7.52	0.000 001	0.009
100%		+40	836 599 987	-12.55	-0.000 002	-0.015
100%		+50	836 600 013	12.61	0.000 002	0.015
115%	4.255	+20	836 599 983	-17.32	-0.000 002	-0.021
Batt. Endpoint	3.400	+20	836 600 009	8.57	0.000 001	0.010



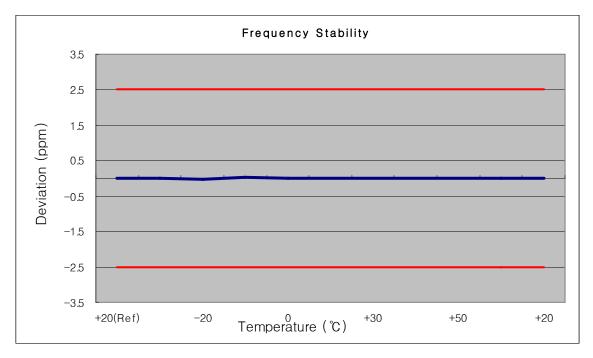
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## 7.8.4 FREQUENCY STABILITY (WCDMA1900)

OPERATING FREQUENCY:	1,880,000,000 Hz
CHANNEL:	9400
REFERENCE VOLTAGE:	3.7 VDC
DEVIATION LIM IT:	<u>± 0.000 25 % or 2.5 ppm</u>

Voltage	Power	Temp.	Frequency	Frequency	Deviation	
(%)	(VDC)	(°°)	(Hz)	Error (Hz)	(%)	ppm
100%		+20(Ref)	1879 999 977	0	0.000 000	0.000
100%		-30	1880 000 020	19.75	0.000 001	0.011
100%		-20	1879 999 960	-40.23	-0.000 002	-0.021
100%		-10	1880 000 030	29.56	0.000 002	0.016
100%	3.700	0	1880 000 025	25.17	0.000 001	0.013
100%		+10	1880 000 020	20.24	0.000 001	0.011
100%		+30	1879 999 976	-24.16	-0.000 001	-0.013
100%		+40	1880 000 023	22.85	0.000 001	0.012
100%		+50	1880 000 017	16.68	0.000 001	0.009
115%	4.255	+20	1880 000 021	20.96	0.000 001	0.011
Batt. Endpoint	3.400	+20	1880 000 019	18.80	0.000 001	0.010



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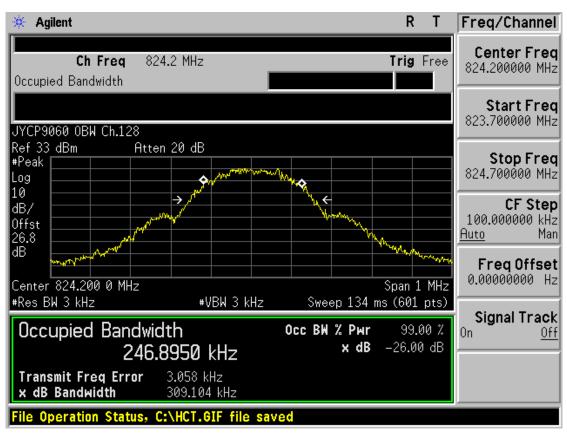


## 8. TEST PLOTS

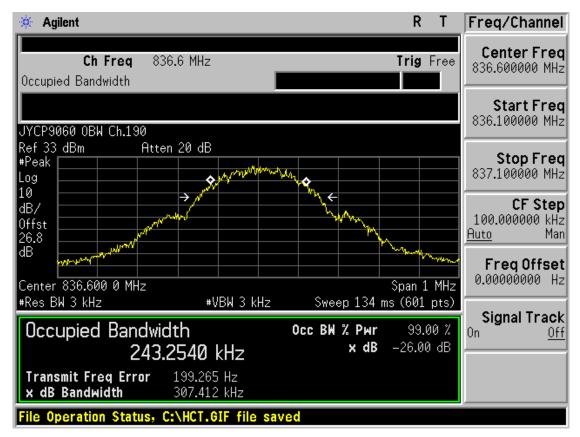
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#### ■ GSM850 MODE (128 CH.) Occupied Bandwidth



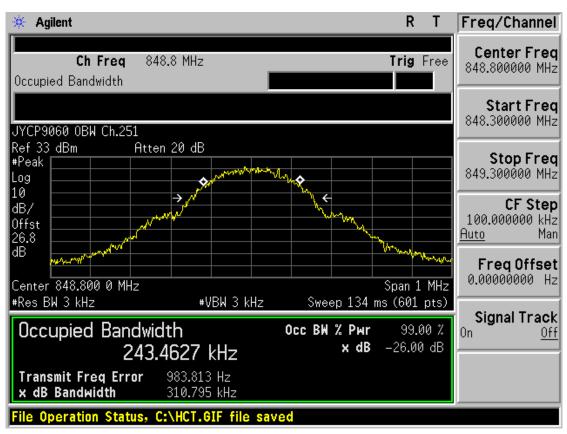
#### ■ GSM850 MODE (190 CH.) Occupied Bandwidth



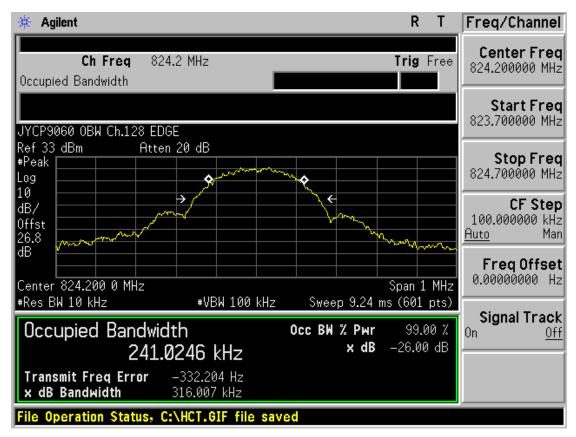
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#### ■ GSM850 MODE (251 CH.) Occupied Bandwidth



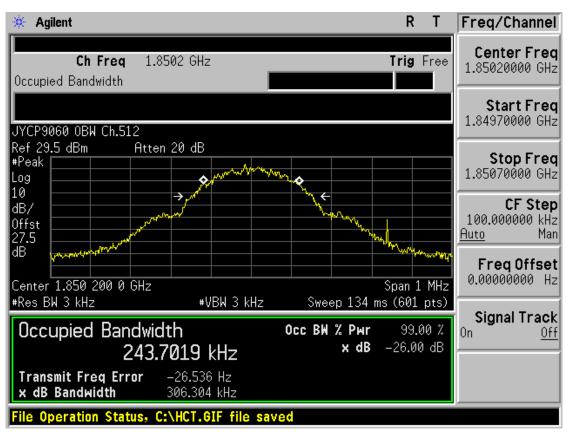
#### ■ GSM850 EDGE (128 CH.) Occupied Bandwidth



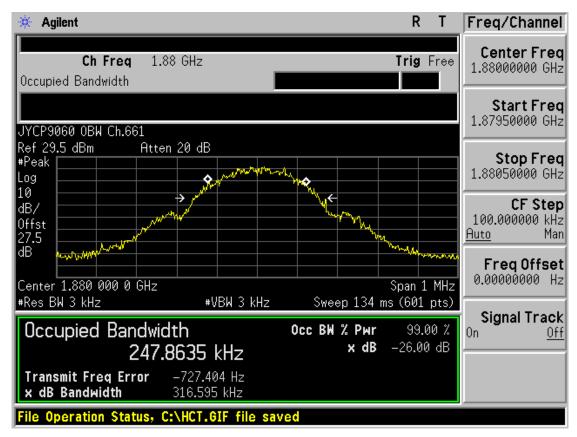
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#### GSM1900 MODE (512 CH.) Occupied Bandwidth



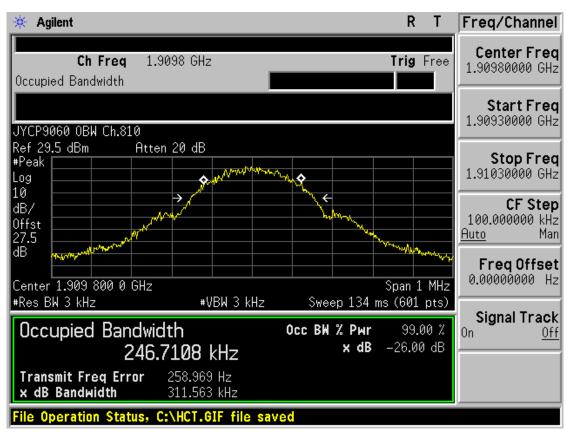
#### ■ GSM1900 MODE (661 CH.) Occupied Bandwidth



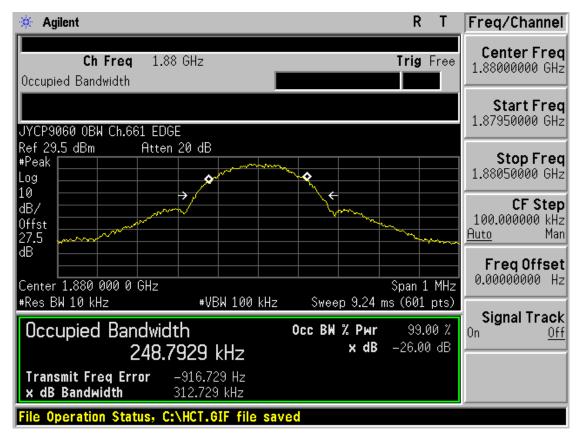
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#### GSM1900 MODE (810 CH.) Occupied Bandwidth



#### ■ GSM1900 EDGE (661 CH.) Occupied Bandwidth



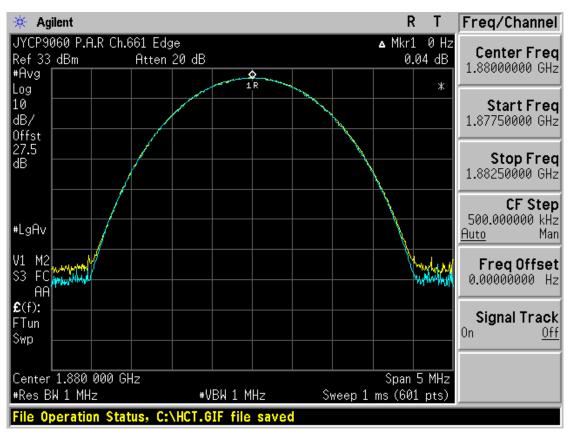
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Test Report No. HCTR1106FR12	Date of Issue: August 09, 2011	EUT Type: Quad band GSM/WCDMA Phone with Bluetooth&WLAN	FCC ID: JYCP9060
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🔆 Agilent		I	<u>т</u>	Freq/Channel
	20 dB	▲ Mkr1 - -0	-92 kHz .01 dB	Center Freq 1.88000000 GHz
#Avg Log	11R		*	
10 dB/				Start Freq 1.87750000 GHz
0ffst 27.5 dB				<b>Stop Freq</b> 1.88250000 GHz
#LgAv				<b>CF Step</b> 500.000000 kHz <u>Auto</u> Man
V1 M2 S3 FC AA			Martine .	FreqOffset 0.00000000 Hz
£(f): FTun Swp				<b>Signal Track</b> On <u>Off</u>
Center 1.880 000 GHz #Res BW 1 MHz	#VBW 1 MHz	Span Sweep 1 ms (60	5 MHz 01 pts)	
File Operation Status, C	\HCT.GIF file save	d		

#### ■ GSM1900 MODE (661 CH.) Peak-to-Average Ratio

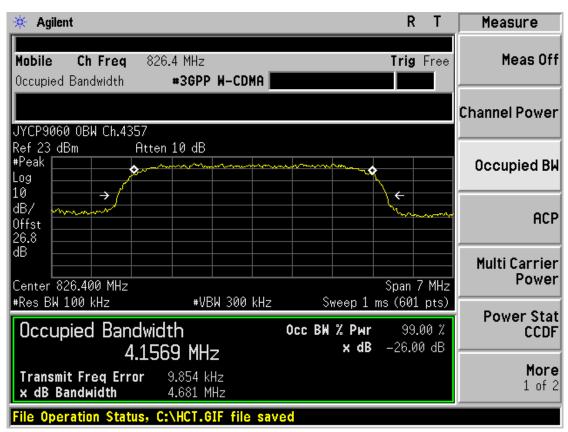
#### ■ GSM1900 EDGE (661 CH.) Peak-to-Average Ratio



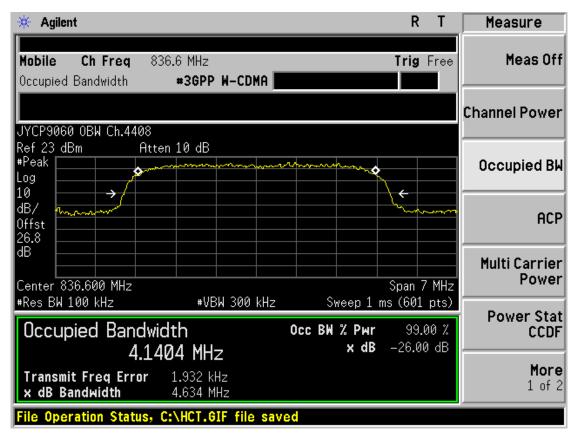
FCC CERTIFICATION REPORT			www.hct.co.kr	
Test Report No. HCTR1106FR12	Date of Issue: August 09, 2011	EUT Type: Quad band GSM/WCDMA Phone with Bluetooth&WLAN	FCC ID: JYCP9060	
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#### ■ WCDMA850 MODE (4132 CH.) Occupied Bandwidth



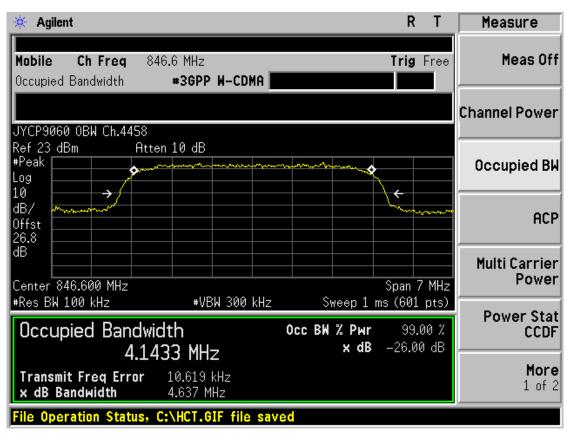
#### ■ WCDMA850 MODE (4183 CH.) Occupied Bandwidth



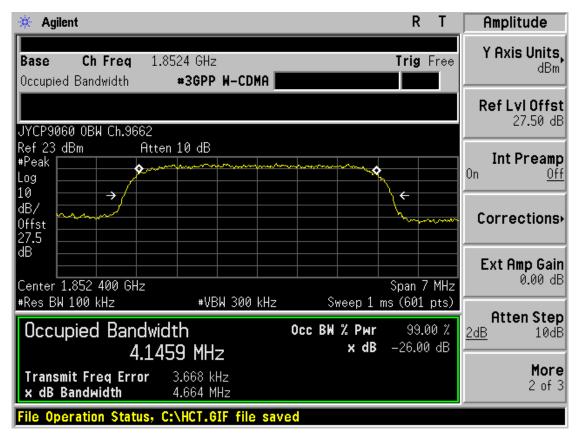
FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:	FCC ID:
HCTR1106FR12	August 09, 2011	Quad band GSM/WCDMA Phone with Bluetooth&WLAN	JYCP9060
Base 26 of 62			



#### ■ WCDMA850MODE (4233 CH.) Occupied Bandwidth



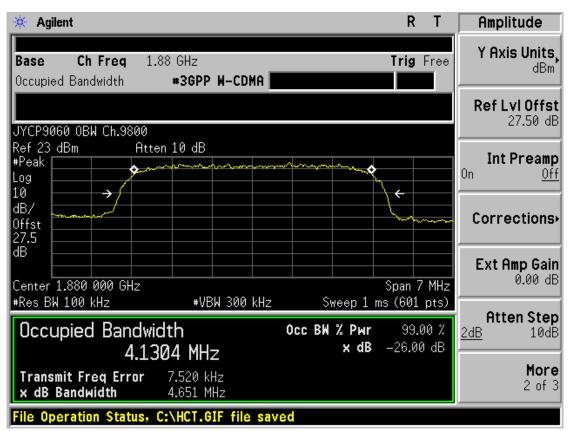
#### ■ WCDMA1900 MODE (9262 CH.) Occupied Bandwidth



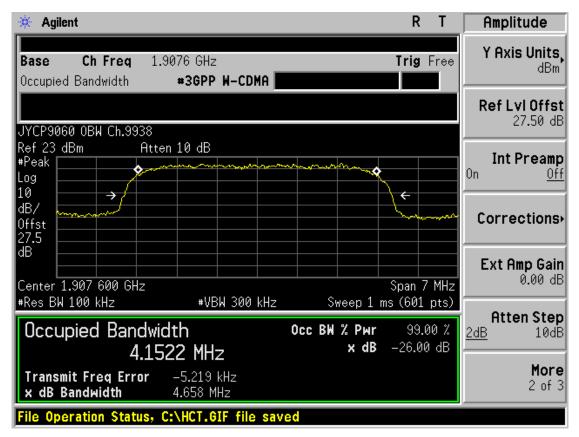
FCC CERTIFICATION REPORT					
Test Report No. HCTR1106FR12	Date of Issue: August 09, 2011	EUT Type: Quad band GSM/WCDMA Phone with Bluetooth&WLAN	FCC ID: JYCP9060		
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#### ■ WCDMA1900 MODE (9400 CH.) Occupied Bandwidth



#### ■ WCDMA1900 MODE (9538 CH.) Occupied Bandwidth



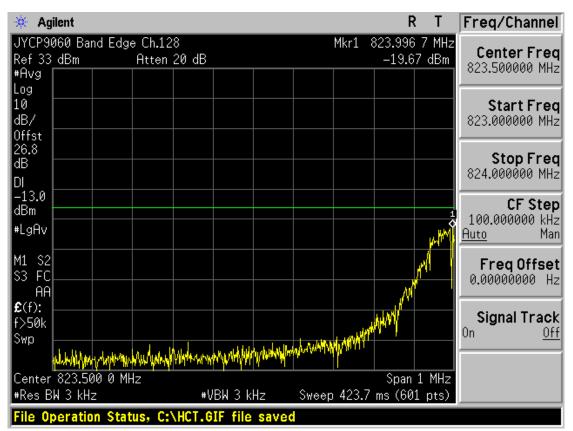
FCC CERTIFICATION REPORT					
Test Report No. HCTR1106FR12	Date of Issue: August 09, 2011	EUT Type: Quad band GSM/WCDMA Phone with Bluetooth&WLAN	FCC ID: JYCP9060		
	Page 38 of 63				



🔆 Agilent					RT	Measure
Mobile Ch CCDF	<b>1 Freq</b> 1.88	GHz 3GPP W-	CDMA Counts(k): (		<b>ig</b> Free	Meas Off
		100.00%				Channel Power
	e Power '6 dBm 53.23%	100.00% 10.00%	Gaussian	Reference		Occupied BW
		1.00% -				ACP
10.0% 1.0%	1.69 dB 2.70 dB	0.10% -				Multi Carrier
0.1% 0.01% 0.021%	3.25 dB 3.45 dB	0.01%		\		Power
0.001% 0.0001% Peak	3.53 dB  3.53 dB	0.001%				Power Stat CCDF
- our	0.00 40	0.0001% <sub>(</sub>	) dB Meas BW 5.001	000000 MHz	20 dB	<b>More</b> 1 of 2
Copyright 2	000-2007 Ag	ilent Tech	nologies			

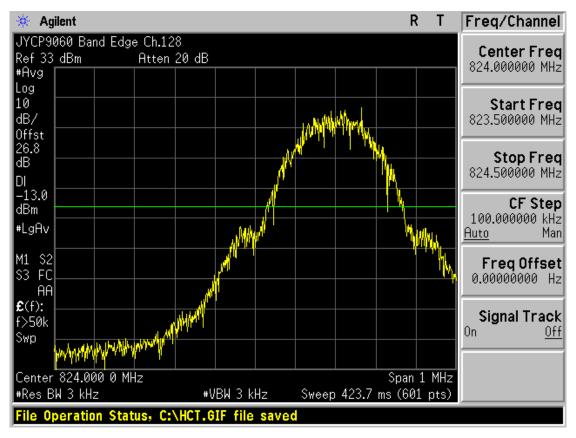
#### ■ WCDMA1900 MODE (9400 CH.) Peak-to-Average Ratio

■ GSM850 MODE (128 CH.) Block Edge 1



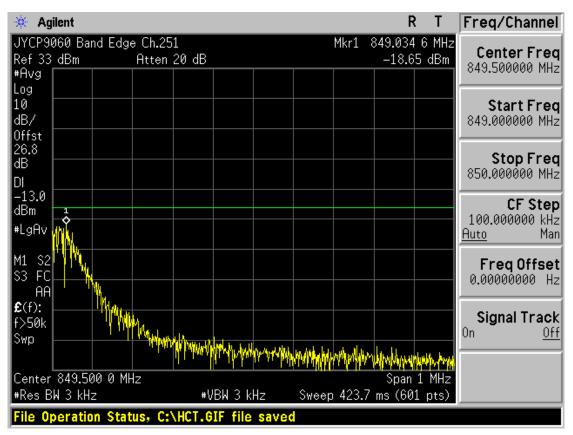
FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type: Quad band GSM/WCDMA Phone with Bluetooth&WLAN	FCC ID: JYCP9060
HCTR1106FR12 August 09, 2011 Quad band GSM/WCDMA Phone with Bluetooth&WLAN			





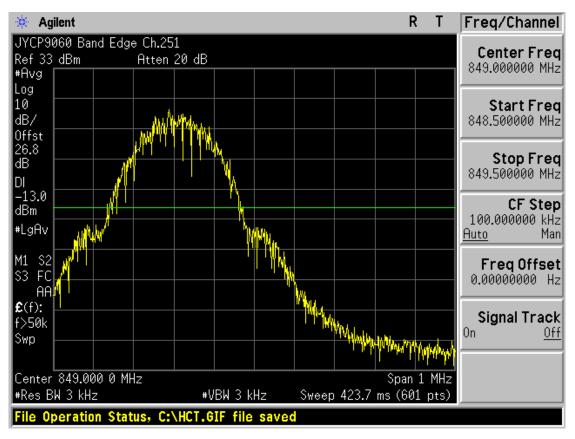
#### ■ GSM850 MODE (128 CH.) Block Edge 2

#### ■ GSM850 MODE (251 CH.) Block Edge 1



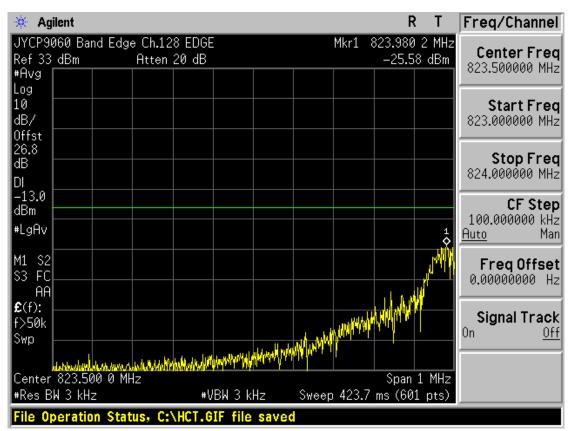
FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:	FCC ID:
HCTR1106FR12	August 09, 2011	Quad band GSM/WCDMA Phone with Bluetooth&WLAN	JYCP9060





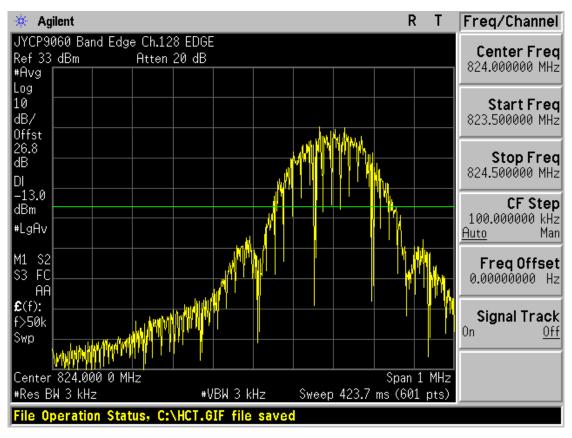
#### ■ GSM850 MODE (251 CH.) Block Edge 2

■ EDGE MODE (128 CH.) Block Edge 1



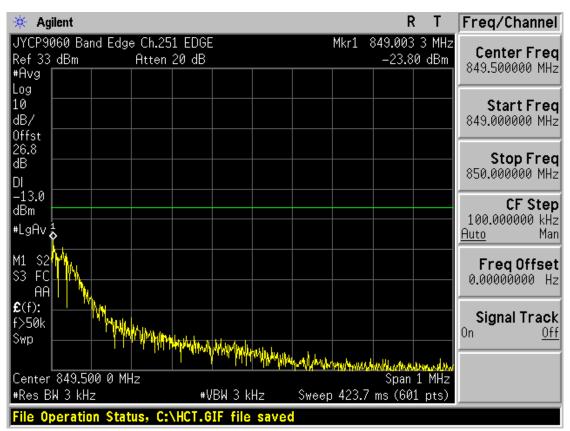
FCC CERTIFICATION REPORT				www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:		FCC ID:
HCTR1106FR12	August 09, 2011	Quad band GSM/WCDMA Phone with Bluetooth&WLAN		JYCP9060





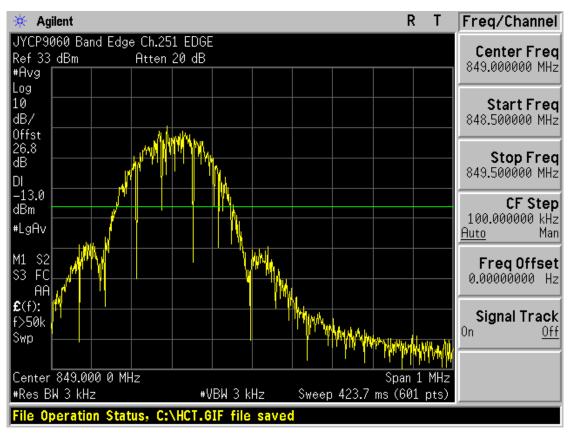
#### ■ EDGE MODE (128 CH.) Block Edge 2

■ EDGE MODE (251 CH.) Block Edge 1



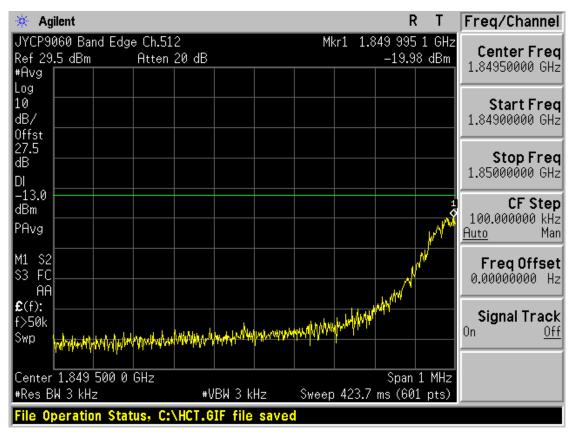
FCC CERTIFICATION REPORT					
Test Report No. HCTR1106FR12	Date of Issue: August 09, 2011	EUT Type: Quad band GSM/WCDMA Phone with Bluetooth&WLAN	FCC ID: JYCP9060		





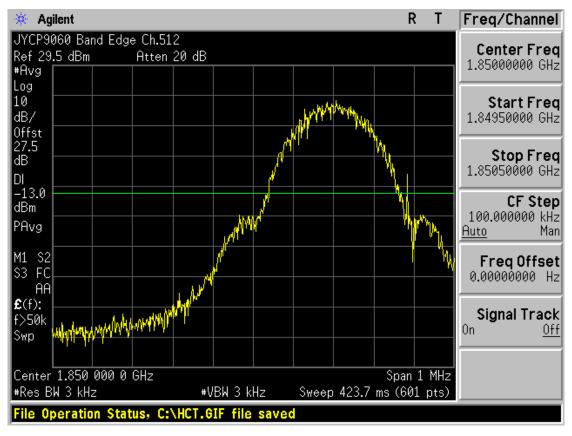
#### ■ EDGE MODE (251 CH.) Block Edge 2

#### ■ GSM1900 MODE (512 CH.) Block Edge 1



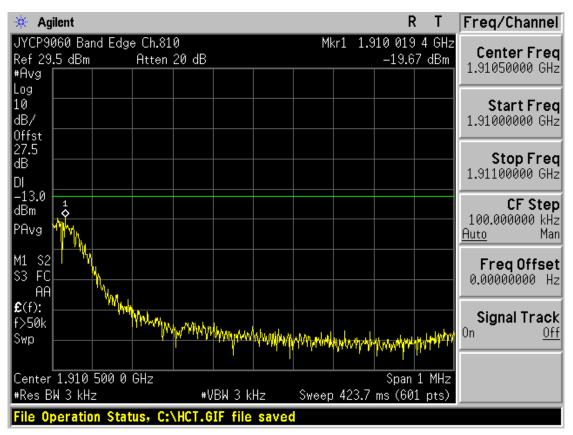
FCC CERTIFICATION REPORT			
Test Report No.	Date of Issue:	EUT Type: Quad band GSM/WCDMA Phone with Bluetooth&WLAN	FCC ID: JYCP9060
HCTR1106FR12 August 09, 2011 Quad band GSM/WCDMA Phone with Bluetooth&WLAN			





#### ■ GSM1900 MODE (512 CH.) Block Edge 2

#### ■ GSM1900 MODE (810 CH.) Block Edge 1



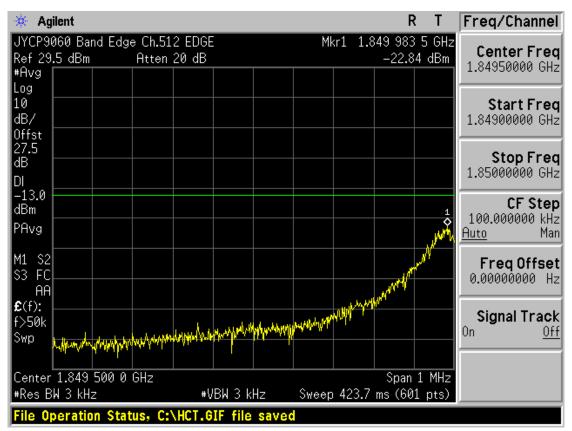
FCC CERTIFICATION REPORT				
Test Report No.	Date of Issue:	EUT Type:	FCC ID:	
HCTR1106FR12	August 09, 2011	Quad band GSM/WCDMA Phone with Bluetooth&WLAN	JYCP9060	





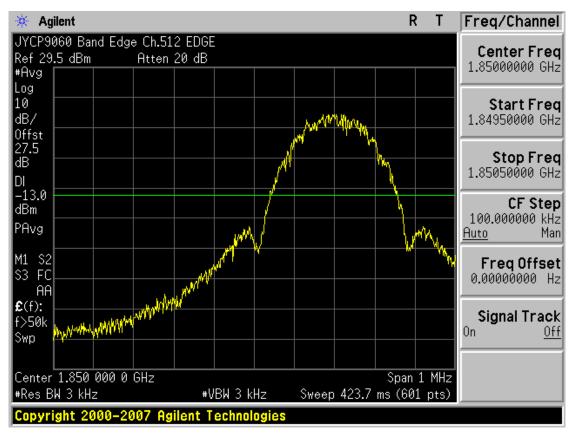
#### ■ GSM1900 MODE (810 CH.) Block Edge 2

■ EDGE MODE (512 CH.) Block Edge 1



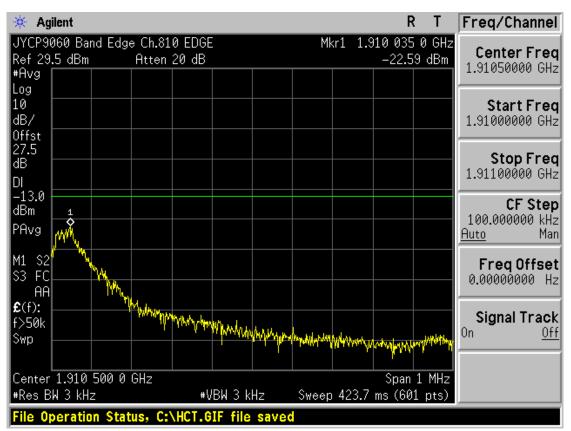
FCC CERTIFICATION REPORT				www.hct.co.kr
Test Report No. HCTR1106FR12	Date of Issue: August 09, 2011	EUT Type: Quad band GSM/WCDMA Phone with Bluetooth&WLAN		FCC ID: JYCP9060





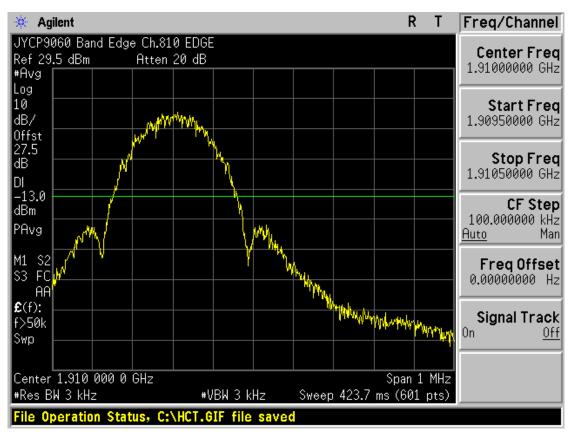
#### ■ EDGE MODE (512 CH.) Block Edge 2

■ EDGE MODE (810 CH.) Block Edge 1



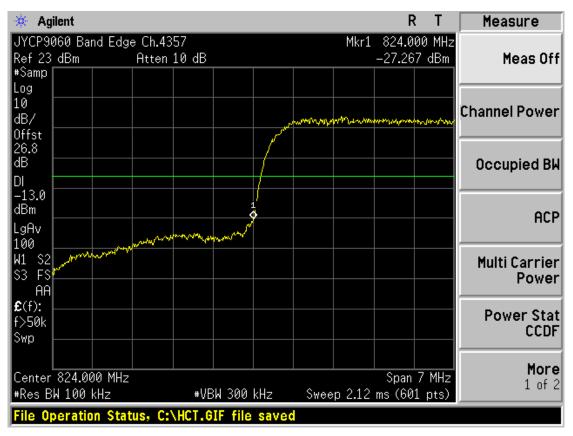
FCC CERTIFICATION REPORT				www.hct.co.kr	
Test Report No.	Date of Issue:	EUT Type:		FCC ID:	
HCTR1106FR12	August 09, 2011	Quad band GSM/WCDMA Phone with Bluetooth&WLAN		JYCP9060	





#### ■ EDGE MODE (810 CH.) Block Edge 2

#### ■ WCDMA850 MODE (4132 CH.) Block Edge



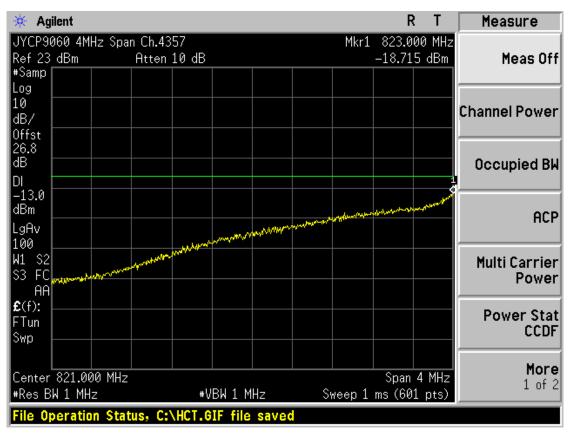
FCC CERTIFICATION REPORT			www.hct.co.kr	
Test Report No. HCTR1106FR12	Date of Issue: August 09, 2011	EUT Type: Quad band GSM/WCDMA Phone with Bluetooth&WLAN	FCC ID: JYCP9060	



🔆 Agilent		R	Т	Measure
JYCP9060 Band Edge Ch.4458 Mkr1 Ref 23 dBm Atten 10 dB			0 MHz dBm	Meas Off
#Samp				
10 dB/ www.www.www.www.www.www.www.				Channel Power
0ffst 26.8 dB DI				Occupied BW
-13.0 dBm LgAv				ACP
LgAv 100 W1 S2 S3 FS AA	- And a second	ber ware	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Multi Carrier Power
£(f): f>50k Swp				Power Stat CCDF
Center 849.000 MHz #Res BW 100 kHz			MHz pts)	More 1 of 2
File Operation Status, C:\HCT.GIF file saved				

#### ■ WCDMA850MODE (4233 CH.) Block Edge

#### ■ WCDMA850 MODE (4132 CH.) – 4 MHz Span



FCC CERTIFICATION REPORT					
Test Report No.	Date of Issue:	EUT Type:		FCC ID:	
HCTR1106FR12	August 09, 2011	Quad band GSM/WCDMA Phone with Bluetooth&WLAN		JYCP9060	
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+Samp L0 JB/ JB/ 26.8 JB JB JB JB JB JB JB JB JS JS JS JS JS JS JS JS JS JS	🔆 Agilent				R	Т	Measure
Samp   Samp   Channel Power     JB/   Samp   Channel Power     Offst   Samp   Channel Power     JB/   Samp   Channel Power     JB/   Samp   Channel Power     JB/   Samp   Samp     Samp   Samp   Samp     JB/   Samp   Samp     Samp				Mkr1			
L0g   L	Ref 23 dBm	Atten 10 dB			-18.277	dBm	Meas Off
L0 dB/ Channel Power   dB/ Channel Power   26.8 dB Channel Power   dB dB dB   -13.0 dB   dBm dB   -13.0 dB   dB							
JB/   Channel Power     Offst   Occupied BW     JBm   Occupied BW     AP   Occupied BW     Occupied BW   Molecupied     JBm   Occupied BW							
Offst Cocupied BW   26.8 Cocupied BW   21.0 Cocupied BW   23.0 Cocupied BW   24.1 S2   25.3 Cocupied BW   26(f): Cocupied BW   27(f): Cocupied BW   28(F): Cocupied BW   29(f): Cocupied BW   20(f): <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><b>Channel Power</b></td>							<b>Channel Power</b>
26.8 Image: Constraint of the second secon							
dB							
DI -13.0 JBm -gAv L00 A1 \$2 S3 FC AA E(f): FTun Swp Center 852.000 MHz +Res BW 1 MHz WBW 1 MHz Sweep 1 ms (601 pts) Composition Composition ACP Multi Carrier Power Power Span 4 MHz 1 of 2	dB						Occupied BH
-13.0 JBm _gAv L00 V1 S2 S3 FC AA C(f): Tun Swp Center 852.000 MHz +Res BW 1 MHz WBW 1 MHz Sweep 1 ms (601 pts) ACP Multi Carrier Power Span 4 MHz Sweep 1 ms (601 pts)							occupied by
dBm   ACP     .gAv   .gAv     L00   .gav     V1 S2   .gav     G3 FC   .gav     AAA   .gav     AAA   .gav     C(f):   .gav     Tun   .gav     Swp   .gav     Center 852.000 MHz   .gav     +Res BW 1 MHz   #VBW 1 MHz     Sweep 1 ms (601 pts)							
LgAv L00 V1 S2 S3 FC AA C(f): Tun Swp Center 852.000 MHz +Res BW 1 MHz WBW 1 MHz Sweep 1 ms (601 pts) HCP Multi Carrier Power Stat CCDF 1 of 2	JD	Advan.					
AA AA E(f): Tun Swp Center 852.000 MHz *Res BW 1 MHz *Res BW 1 MHz *VBW 1 MHz Sweep 1 ms (601 pts) Power Stat CCDF 1 of 2		and a second sec	Markey				нср
AA AA E(f): Tun Swp Center 852.000 MHz *Res BW 1 MHz *Res BW 1 MHz *VBW 1 MHz Sweep 1 ms (601 pts) Power Stat CCDF 1 of 2			and an all and the second of t	home .			
AA AA E(f): Tun Swp Center 852.000 MHz *Res BW 1 MHz *Res BW 1 MHz *VBW 1 MHz Sweep 1 ms (601 pts) Power Stat CCDF 1 of 2				and the second s			Multi Corrigo
AA   Image: Content of the content of				1 marsh	A DESCRIPTION OF THE OWNER OF THE		
C(f):   Power Stat     FTun   Power Stat     Swp   Swp     Center 852.000 MHz   Span 4 MHz     *Res BW 1 MHz   #VBW 1 MHz     Sweep 1 ms (601 pts)					New York	WHE	Power
Tun Swp Center 852.000 MHz +Res BW 1 MHz WBW 1 MHz Sweep 1 ms (601 pts)							
Swp Center 852.000 MHz +Res BW 1 MHz WBW 1 MHz Sweep 1 ms (601 pts)							
Center 852.000 MHz Span 4 MHz Span 4 MHz 1 of 2 +Res BW 1 MHz Sweep 1 ms (601 pts)							CCDF
Lenter 852.000 MHz Span 4 MHZ 1 of 2 +Res BW 1 MHz #VBW 1 MHz Sweep 1 ms (601 pts)							
Lenter 852.000 MHz Span 4 MHZ 1 of 2 +Res BW 1 MHz #VBW 1 MHz Sweep 1 ms (601 pts)							More
+Res BW 1 MHz ===================================							
U.S. Operation Status, Cr.) UCT RIE file abund	#Res BW 1 MHz	#V	BW 1 MHz	Sweep 1	ms (601	pts)	
The operation status, c. mcl.or the saved	File Operation Sta	tus, C:\HCT.G	IF file saved				

# ■ WCDMA850MODE (4233 CH.) – 4 MHz Span

# ■ WCDMA1900 MODE (9262 CH.) Block Edge

🔆 Agilent				RT	Amplitude
#Samp	Ch.9662 Atten 10 dB			50 000 G 8.861 dB	V Ovie Unite
Log 10 dB/ Offst			ghar an	~~~~~	Ref Lvl Offst 27.50 dB
27.5 dB DI					Int Preamp On <u>Off</u>
-13.0 dBm LgAv		1			Corrections•
100 W1 S2 S3 FS AA					Ext Amp Gain 0.00 dB
<b>£</b> (f): f>50k Swp					Atten Step 2dB 10dB
Center 1.850 000 GHz #Res BW 100 kHz	: #VBW 30	0 kHz Si	ب «eep 2.12 ms	) Span 7 MH (601 pts	
File Operation Statu					

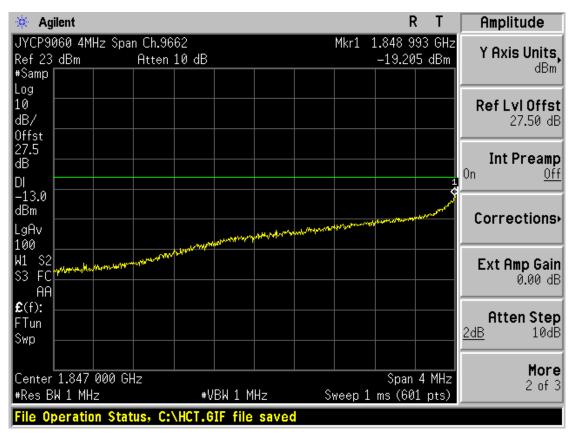
	FCC CERTIFICATION REPORT					
Test Report No. HCTR1106FR12	Date of Issue: August 09, 2011	EUT Type: Quad band GSM/WCDMA Phone with Bluetooth&WLAN	FCC ID: JYCP9060			
		Page 49 of 63				



🔆 Agilent				R	Т	Amplitude
JYCP9060 Band Edg Ref 23 dBm #Samp	e Ch.9938 Atten 10 dB		Mkr1	1.910 000 -29.844		Y Axis Units, dBm
Log 10 dB/ 0ffst	uman phane and a part of	w				RefLvlOffst 27.50 dB
dB DI						Int Preamp <sup>On <u>Off</u></sup>
-13.0 dBm LgAv						Corrections•
100 W1 S2 S3 FS AA		- hreen	and a start of the	and a second	way have	Ext Amp Gain 0.00 dB
£(f): f>50k Swp						Atten Step <u>2dB</u> 10dB
Center 1.910 000 G #Res BW 100 kHz		W 300 kHz	Sweep 2.12	Span 7 2 ms (601		<b>More</b> 2 of 3
File Operation Sta						

#### ■ WCDMA1900 MODE (9538 CH.) Block Edge

#### ■ WCDMA1900 MODE (9262 CH.) – 4 MHz Span



FCC CERTIFICATION REPORT					
Test Report No. HCTR1106FR12	Date of Issue: August 09, 2011	EUT Type: Quad band GSM/WCDMA Phone with Bluetooth&WLAN	FCC ID: JYCP9060		
	August 03, 2011		31013000		



🔆 Agilent				RT	Amplitude
JYCP9060 4MHz Sp Ref 23 dBm #Samp	an Ch.9938 Atten 10 dB			.911 000 GHz -19.404 dBm	Y Axis Units, dBm
Log 10 dB/ Offst					Ref Lvl Offst 27.50 dB
27.5 dB DI 4					Int Preamp <sup>On <u>Off</u></sup>
-13.0 dBm LgAv 100	mal management	manthantination	market and a		Corrections•
W1 S2 S3 FC AA			an and a second and	where a star	Ext Amp Gain 0.00 dB
<b>£</b> (f): FTun Swp					Atten Step 2dB 10dB
Center 1.913 000 ( #Res BW 1 MHz		BW 1 MHz	Sweep 1	Span 4 MHz ms (601 pts)	More 2 of 3
File Operation Sta	atus, C:\HCT.G	IF file saved			

# ■ WCDMA1900 MODE (9538 CH.) – 4 MHz Span

# ■ GSM850 MODE (128 CH.) Conducted Spurious Emissions1

🔆 Agilent			R	T	Freq/Channel
JYCP9060 Cond Spur Ref 33 dBm #Peak	Ch.128 Atten 20 dB		Mkr1 2.0 –34.6	76 GHz 7 dBm	Center Freq 1.26500000 GHz
Log 10 dB/ Offst					Start Freq 30.0000000 MHz
26.8 dB DI					<b>Stop Freq</b> 2.50000000 GHz
-13.0 dBm #LgAv					<b>CF Step</b> 247.000000 MHz <u>Auto</u> Man
V1 S2 S3 FC	water and the second second second	N <sup>1</sup> 4pm/1.qa/1.p/1.qb/1.st[\$p <sup>11</sup> .hd/qm	Hand Inger the second	nan jan katelape	Freq Offset 0.00000000 Hz
£(f): FTun Swp					<b>Signal Track</b> On <u>Off</u>
Center 1.265 GHz #Res BW 1 MHz	#VBW 1 N	1Hz Swee	Span 2.4 p 4.12 ms (60		
	us, C:\HCT.GIF file				

FCC CERTIFICATION REPORT					
Test Report No. HCTR1106FR12	Date of Issue: August 09, 2011	EUT Type: Quad band GSM/WCDMA Phone with Bluetooth&WLAN	FCC ID: JYCP9060		
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🔆 Agilent				R	Т	Freq/Channel
JYCP9060 Cond Spu			Mkr1			Center Freq
Ref 33 dBm	Atten 20 dB			-30.73	dBm	6.25000000 GHz
#Peak Log						
10						Start Freq
dB/						2.50000000 GHz
Offst						
26.8						Stop Freq
dB						10.0000000 GHz
						10.0000000 0112
-13.0 dBm						CF Step
						750.000000 MHz
#LgAv						<u>Auto</u> Man
V1 S2			\$			<b>E</b>
S3 FCWMmmmm	and water and the second	manunant	Aurana	how many man	monte	Freq Offset 0.00000000 Hz
ÂĂ						0.00000000 HZ
<b>£</b> (f):						
FTun						Signal Track
Swp						On <u>Off</u>
Center 6.250 0 GHz				Span 7.5	i GHz	
#Res BW 1 MHz	#6	BW 1 MHz	Sweep 12.52			
File Operation Stat						,
The operation stat	uay c. mc1.0	I THE SAVEV				

# ■ GSM850 MODE (128 CH.) Conducted Spurious Emissions2

# ■ GSM850 MODE (190 CH.) Conducted Spurious Emissions1

🔆 Agilent				RT	Freq/Channel
	Ch.190 Atten 20 dB		Mkr1 _3	413 MHz 4.32 dBm	Center Freq 1.26500000 GHz
#Peak Log 10					
dB/ Offst					Start Freq 30.0000000 MHz
26.8 dB DI					<b>Stop Freq</b> 2.50000000 GHz
-13.0 dBm #LgAv					<b>CF Step</b> 247.000000 MHz <u>Auto</u> Man
V1 S2 S3 FC		neristation of the second second second second	nadaan ka analahan kakala kakala mat	delstanderster	FreqOffset 0.00000000 Hz
€(f): FTun Swp					<b>Signal Track</b> On <u>Off</u>
Center 1.265 GHz			Span	2.47 GHz	
#Res BW 1 MHz File Operation State			weep 4.12 ms	(601 pts)	

FCC CERTIFICATION REPORT					
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🔆 Agilent						R	Т	Freq/Channel
JYCP9060 Cond Spu					Mkr1	7.775		Center Freq
Ref 33 dBm	Atten 2	0 dB				-31.13	dBm	6.25000000 GHz
#Peak Log								
10								Start Freq
dB/								2.50000000 GHz
Offst								
26.8								Stop Freq
dB								10.0000000 GHz
								10.0000000 0112
-13.0 dBm								CF Step
								750.000000 MHz
#LgAv								<u>Auto</u> Man
V1 S2					1 0			
S3 FC much man	with many	and the second states and a second states and the second states and the second states and the second states and	all worker	- marth	ward	Martin and Andrews	dramp /w	Freq Offset 0.00000000 Hz
ÂĂ								0.00000000 HZ
<b>£</b> (f):								
FTun								Signal Track
Swp								On <u>Off</u>
Center 6.250 0 GHz						Span 7.5	5 GHz	
#Res BW 1 MHz		₩VBW 1	MHz	Sween	12.52			
File Operation Sta	tue CiVI							
The operation Sta	usy Givi		IE Save	•				

# ■ GSM850 MODE (190 CH.) Conducted Spurious Emissions2

# ■ GSM850 MODE (251 CH.) Conducted Spurious Emissions1

🔆 Agilent				RT	Freq/Channel
JYCP9060 Cond Spur Ref 33 dBm #Peak	Ch.251 Atten 20 dB		Mk	r1 2.257 G -34.64 dB	Contor Eroa
Log 10 dB/ Offst					Start Freq 30.0000000 MHz
26.8 dB DI					<b>Stop Freq</b> 2.5000000 GHz
-13.0 dBm #LgAv					<b>CF Step</b> 247.000000 MHz <u>Auto</u> Man
V1 S2 S3 FC	www.www.www.uww.ww	getrad-affeksfagterstadensarianseria	an a	unth a margar	<b>Freq Offset</b> 0.00000000 Hz
<b>£</b> (f): FTun Swp					Signal Track <sup>On <u>Off</u></sup>
Center 1.265 GHz #Res BW 1 MHz	#V	BW 1 MHz		6pan 2.47 G ms (601 pt	
File Operation Stat	us, C:\HCT.G	IF file saved			

	FCC CERTIFICATION REPORT					
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🔆 Agilent				R	T	Freq/Channel
JYCP9060 Cond Spi			Mk		5 GHz	Center Freq
Ref 33 dBm #Peak	Atten 20 dB			-30.8	7 dBm	6.25000000 GHz
Freak Log						
10						Start Freq
dB/						2.50000000 GHz
Offst 🛛						
26.8						Stop Freq
dB						10.0000000 GHz
-13.0 dBm						CF Step
						750.000000 MHz
#LgAv						<u>Auto</u> Man
V1 S2			\$			Eron Offeet
\$3 FC mmmmmmm	when my a wet also we	under annound when	and the second states and the second	"Wenner which	Alexander	Freq Offset 0.00000000 Hz
AA						0.00000000 HZ
<b>£</b> (f):						
FTun						Signal Track
Swp						0n <u>0ff</u>
Center 6.250 0 GHz	,			Span 7	.5 GHz	
#Res BW 1 MHz		BW 1 MHz	Sweep 12.5			
File Operation Sta	tus, c:\ncl.6	IF THE SAVE	•			

# ■ GSM850 MODE (251 CH.) Conducted Spurious Emissions2

# ■ GSM1900 MODE (512 CH.) Conducted Spurious Emissions1

🔆 Agilent			RT	Freq/Channel
JYCP9060 Cond Spu	r Ch.512	Ν	4kr1 3.166 GHz	Conton From
Ref 29.5 dBm	Atten 20 dB		-32.45 dBm	Center Freq 2.01500000 GHz
#Peak				2.01300000 002
Log				
10 JP (				Start Freq
dB/ Offst				30.0000000 MHz
27.5				
dB				Stop Freq
DI				4.00000000 GHz
-13.0				
dBm				CF Step
LgAv				397.000000 MHz
23			1	<u>Auto</u> Man
V1 S2 . usual at		and the second second second	What the water the second seco	Freq Offset
S3 FC	montaintententententententententententententen	A A A A A A A A A A A A A A A A A A A		0.00000000 Hz
AA				0.00000000 112
<b>£</b> (f):				
FTun				Signal Track
Swp				On <u>Off</u>
Center 2.015 GHz			Span 3.97 GHz	
	#VBW 1 №			
#Res BW 1 MHz		· ·	4 ms (601 pts)	
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FCC CERTIFICATION REPORT					
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🔆 Agilent							R	Т	Freq/Channel
JYCP9060 Cond Spur						Mkr1	14.18		Center Freq
Ref 29.5 dBm #Peak	Atten	20 dB					-27.4	4 dBm	12.0000000 GHz
Log									
10									Start Freq
dB/ Offst									4.00000000 GHz
27.5									Stop Freq
dB									20.0000000 GHz
DI -13.0									
dBm									CF Step 1.60000000 GHz
LgAv									Auto Man
V1 S2 monther with	Manhan	Wallung	whomen	My when the	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	San Program to	v	an and the second	
S3 FC									Freq Offset 0.00000000 Hz
AA									0.00000000 112
<b>£</b> (f):									Signal Track
FTun Swp									On <u>Off</u>
Center 12.000 GHz							Span 1	6 GHz	
#Res BW 1 MHz		#V	BW 1 M	Hz	Swe	eep 40 i			
File Operation Stat	us, C:\	HCT.G	IF file	saved					

# ■ GSM1900 MODE (512 CH.) Conducted Spurious Emissions2

# ■ GSM1900 MODE (661 CH) Conducted Spurious Emissions1

🔆 Agilent			RT	Freq/Channel
JYCP9060 Cond Spur Ch.6			120 GHz	Center Freq
Ref 29.5 dBm Atte #Peak	n 20 dB	-31.	.85 dBm	2.01500000 GHz
Log				
10				Start Freq
dB/ Offst				30.0000000 MHz
27.5				
dB				Stop Freq 4.0000000 GHz
				4.00000000 0112
-13.0 dBm				CF Step
LgAv				397.000000 MHz Auto Man
V1 S2 S3 FC	in mark and a star and and a star and a star	and for the state of the ball when the state of the	- mark water	Freq Offset
S3 FC				0.00000000 Hz
<b>£</b> (f):				
FTun				Signal Track On Off
Swp			+	
Center 2.015 GHz			.97 GHz	
#Res BW 1 MHz	₩VBW 1 MHz	Sweep 6.64 ms (6	01 pts)	
File Operation Status, (	:\HCT.GIF file save	•		

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🔆 Agilent			F	₹Т	Freq/Channel
JYCP9060 Cond Spur Ref 29.5 dBm	Ch.661 Atten 20 dB			333 GHz 34 dBm	Center Freq 12.0000000 GHz
#Peak Log 10 dB/					Start Freq
dB DI					Stop Freq 20.0000000 GHz
-13.0 dBm LgAv		1 \$ b b b c b c c b			<b>CF Step</b> 1.60000000 GHz <u>Auto</u> Mar
S3 FC	white and an	t fredtrightender uhantender	han de anne de la contra de la co	hangun kan kan kan kan kan kan kan kan kan ka	Freq Offset 0.00000000 Hz
£(f): FTun Swp					<b>Signal Track</b> On <u>Off</u>
Center 12.000 GHz #Res BW 1 MHz	#VBW 1 I	MHz Swe	Span ep 40 ms (60	16 GHz 11 pts)	
File Operation Stat	us, C:\HCT.GIF file	e saved			

# ■ GSM1900 MODE (661 CH.) Conducted Spurious Emissions2

# ■ GSM1900 MODE (810 CH.) Conducted Spurious Emissions1

🔆 Agilent				R	T	Freq/Channel
JYCP9060 Cond Spur				Mkr1 3.1		Contor From
Ref 29.5 dBm	Atten 20 dB			-31.3	9 dBm	Center Freq 2.01500000 GHz
#Peak						
Log 10						Stort From
dB/						Start Freq 30.0000000 MHz
Offst						50.0000000 MHZ
27.5						04
dB						Stop Freq
DI						4.00000000 GHz
-13.0						CF Step
dBm						397.000000 MHz
LgAv				1		Auto Man
				<u>م</u>		
V1 S2	wowlensee provenue where	munidum	northe born carteste	********	hotellestant	Freq Offset
S3 FC						0.00000000 Hz
AA C(1)						
£(f): FTun						Signal Track
Swp						On <u>Off</u>
Jmμ						
Center 2.015 GHz				Span 3.9		
#Res BW 1 MHz	#VE	3W 1 MHz	Sweep 6.	64 ms (60	1 pts)	
<b>File Operation Stat</b>	us, C:\HCT.GI	F file saved				

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🔆 Agilent				RT	Freq/Channel
JYCP9060 Cond Spu				680 GHz	Center Freq
Ref 29.5 dBm #Peak	Atten 20 dB	1	-27.	76 dBm	12.0000000 GHz
Log					
10					Start Freq
dB/					4.00000000 GHz
Offst					
27.5 dB					Stop Freq
DI					20.0000000 GHz
-13.0					05.01-0
dBm					CF Step 1.6000000 GHz
LgAv		1			Auto Man
	month and the second	w. W. Martin	an Contraction of the second	- the second states	
V1 S2	ALPHAN ALPHAN				Freq Offset
AA					0.00000000 Hz
<b>£</b> (f):					
FTun					Signal Track
Swp			<u> </u>		On <u>Off</u>
Center 12.000 GHz			Span	16 GHz	
#Res BW 1 MHz	#VBW 1	MHz Sw	eep 40 ms (6		
File Operation Sta	tus, C:\HCT.GIF fi				

# ■ GSM1900 MODE (810 CH.) Conducted Spurious Emissions2

# ■ WCDMA850 MODE (4132 CH.) Conducted Spurious Emissions1

🔆 Agilent						R	Т	Measure
JYCP9060 Cond Spu						1.652		
Ref 23 dBm #Peak	Atten 10	) dB				-40.06	dBm	Meas Off
Log								
10 dB/								Channel Power
Offst 26.8								
dB								Occupied BW
DI -13.0								
dBm								ACP
LgAv				1				
V1 S2 S3 FC				¢			A	Multi Carrier
AA	WINES AN AVENUE	WWWrhansen	ħĸĸ₽ĸĸĸĸ₽₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	q <sup>an</sup> ya tifat katuka	Contraction of the second s	1000000000000		Power
<b>£</b> (f):								Power Stat
FTun Swp								CCDF
Center 1.265 GHz						an 2.47		<b>More</b> 1 of 2
#Res BW 1 MHz		#VB₩	1 MHz	Swee	p 4.12 m	s (601	pts)	
File Operation Sta	tus, C:\H	CT.GIF	file saved					

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🔆 Agilent				R	Т	Measure
JYCP9060 Cond Spur Ref 23 dBm #Peak	Ch.4357 Atten 10 dB		Mkr1	7.750 -40.74		Meas Off
Log 10 dB/ 0ffst						Channel Power
26.8 dB DI -13.0						Occupied BW
dBm LgAv						ACP
AA	YUnghage In which the	afran parasi na ta ta na na da ana sa da	Aug High And A	ndhudyn	vnhoude	Multi Carrier Power
£(f): FTun Swp						Power Stat CCDF
Center 6.250 0 GHz #Res BW 1 MHz	#	VBW 1 MHz	Sweep 12.52	Span 7.5 ms (601		More 1 of 2
File Operation Stat	us, C:\HCT.	GIF file sav	ed			

# ■ WCDMA850 MODE (4132 CH.) Conducted Spurious Emissions2

### WCDMA850 MODE (4183 CH.) Conducted Spurious Emissions1

🔆 Agilent		R	T Measure
JYCP9060 Cond Spur Cl		Mkr1 1.677	
Ref23 dBm At #Peak	en 10 dB	-41.15 d	Bm MeasOff
Log			
10			Channel Power
dB/			Channerrower
Offst 26.8			
dB			Occupied BW
DI			
-13.0 dBm			
LgAv			ACP
		1	
V1 S2		<b>^</b>	Multi Carrier
S3 FC	wanthal managers along a same and a same and a same a s	losen water and the and the second	Power
AA £(f):			
FTun			Power Stat
Swp			CCDF
Center 1.265 GHz		Span 2.47 (	Hz More
#Res BW 1 MHz	₩VBW1MHz Sv	veep 4.12 ms (601 p	ts)
File Operation Status,	C:\HCT.GIF file saved		

		FCC CERTIFICATION REPORT	www.hct.co.kr
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🔆 Agilent						R	Т	Measure
JYCP9060 Cond Spur					Mkr1		0 GHz	
Ref 23 dBm	Atten 10	dB				-40.8	5 dBm	Meas Off
#Peak Log								
10								
dB/								Channel Power
Offst								
26.8								
dB								Occupied BW
DI								
dBm								
LgAv								ACP
					1			
V1 S2			L. 14	haddender	Ŷ., .			Multi Carrier
S3 FC	magnession	when the three	114 Marine	where offere	and a strategy	han py har	weight to the weight	Power
AA								
<b>£</b> (f):								Power Stat
FTun								CCDF
Swp								
								More
Center 6.250 0 GHz							5 GHz	1 of 2
#Res BW 1 MHz		#VBW 1 M	Hz	Sweep	12.52	ms (60:	l pts)	
File Operation Stat	us, C:\HC	T.GIF file	saved					

# ■ WCDMA850 MODE (4183 CH.) Conducted Spurious Emissions2

### WCDMA850MODE (4233 CH.) Conducted Spurious Emissions1

🔆 Agilent						R	т	Measure
JYCP9060 Cond Spur		JD			Mkr		93 GHz	H 011
Ref 23 dBm #Peak	Atten 10					-41.1	6 dBm	Meas Off
Log								
10 dB/								Channel Power
Offst 🛛								
26.8 dB								Occupied BW
DI T								occupied bri
-13.0 dBm								
LgAv								ACP
				1_				
V1 S2 S3 FC				<b>```</b>		Antoniahak	www.ale.e.w	Multi Carrier Power
AA	A PHILI JULICAL ADV	, 197 <sup>0</sup> ya 1990, ya 19	a ya ka	*****	1994 A 401-411			Fuwer
£(f): FTun								Power Stat
Swp								CCDF
Center 1.265 GHz							17 GHz	<b>More</b> 1 of 2
#Res BW 1 MHz		#VBW1Ւ	1Hz	Swee	p 4.12 r	ns (60	1 pts)	
File Operation Stat	us, C:\HC	T.GIF file	saved					

		FCC CERTIFICATION REPORT	www.hct.co.kr
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🔆 Agilent							F	≀ т	Measure
JYCP9060 Cond Spur Ref 23 dBm #Peak	Ch.44 Atten					Mkr1	7.000 -40.5	) 0 GH i3 dBi	
Log 10 dB/ 0ffst									Channel Power
26.8 dB DI -13.0									Occupied BW
dBm LgAv									ACP
V1 S2 S3 FC may W Management	www.huta	www.and	and the second	mangender	an an the same	ann an thailte	man	- Mantha	Multi Carrier Power
£(f): FTun Swp									Power Stat CCDF
Center 6.250 0 GHz #Res BW 1 MHz		#V	BW 1 M	lHz	Sweep	12.52	Span 7 ms (60		
File Operation Stat	us, C:'	HCT.6	IF file	saved					

### ■ WCDMA850MODE (4233 CH.) Conducted Spurious Emissions2

### ■ WCDMA1900 MODE (9262 CH.) Conducted Spurious Emissions1

🔆 Agilent		R	: T	Amplitude
JYCP9060 Cond Spur Cl Ref 23 dBm At	h.9662 :ten 10 dB	Mkr1 3.0	47 GHz 9 dBm	Y Axis Units,
#Peak		-42.3		dBm
Log 10 dB/ 0ffst				Ref Lvl Offst 27.50 dB
27.5 dB DI				Int Preamp On <u>Off</u>
-13.0 dBm LgAv				Corrections•
V1 S2 S3 FC <mark>مرابع المرابع الم AA</mark>	and the stand of t	andred and a contraction of the	metro in state	Ext Amp Gain 0.00 dB
£(f): FTun Swp				Atten Step 2dB 10dB
Center 2.015 GHz #Res BW 1 MHz	#VBW 1 MHz	Span 3.9 Sweep 6.64 ms (60		<b>More</b> 2 of 3
File Operation Status	C:\HCT.GIF file saved			

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🔆 Agilent				RT	Amplitude
JYCP9060 Cond Spi			Mkr:		V Dyie Unite
Ref 23 dBm #Peak	Atten 10 dB			-38.02 dBr	dBm
Log					
10					Ref Lvl Offst
dB/					27.50 dB
Offst 27.5					
dB					Int Preamp
DI					On <u>Off</u>
-13.0					
dBm					Corrections.
LgAv			1		
V1 S2	A		white white and have	monorputor	Ext Amp Gain
S3 FC	warman warman a	when the first of the state of			0.00 dB
AA					
<b>£</b> (f):					Atten Step
FTun Swp					<u>2dB</u> 10dB
2mh					
					More
Center 12.000 GHz #Res BW 1 MHz		BW 1 MHz	Sucon 40	Span 16 GH ms (601 pts	Z 2 of 3
				ms (our pts	
File Operation Sta	atus, C:\HCT.G	IF file saved			

# ■ WCDMA1900 MODE (9262 CH.) Conducted Spurious Emissions2

# ■ WCDMA1900 MODE (9400 CH.) Conducted Spurious Emissions1

🔆 Agilent		R	T Amplitude
JYCP9060 Cond Spur C		Mkr1 3.762	V fluie lipite
Ref 23 dBm At #Peak	ten 10 dB	-39.20 d	dBm dBm
Log			
10 dB/			Ref Lvl Offst 27.50 dB
Offst 27.5			
dB DI			Int Preamp On <u>Off</u>
-13.0 dBm			
LgAv		1	Corrections
V1 S2 S3 FC		an manager and the second	Ext Amp Gain 0.00 dB
£(f): FTun Swp			Atten Step 2dB 10dB
			More
Center 2.015 GHz #Res BW 1 MHz	#VBW 1 MHz	Span 3.97 6 Sweep 6.64 ms (601 p	2 of 3
File Operation Status	C:\HCT.GIF file save		

FCC CERTIFICATION REPORT			
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🔆 Agilent			RT	Amplitude
JYCP9060 Cond Spur Ref 23 dBm #Peak	r Ch.9800 Atten 10 dB		Mkr1 14.693 G -37.88 dB	
Log 10				Ref LvI Offst
dB/ 0ffst 27.5				27.50 dB
dB				Int Preamp On <u>Off</u>
-13.0 dBm LgAv				Corrections,
V1 S2 S3 FC AA	white progradules and	American Manager	langeral Actions of the product of the	Ext Amp Gain 0.00 dB
<b>£</b> (f): FTun Swp				Atten Step 2dB 10dB
Center 12.000 GHz #Res BW 1 MHz	#VBW 1	MHz Sw	Span 16 GH eep 40 ms (601 pts	
File Operation Stat	tus, C:\HCT.GIF fil	e saved		

# WCDMA1900 MODE (9400 CH.) Condcted Spurious Emissions2

# ■ WCDMA1900 MODE (9538 CH.) Conducted Spurious Emissions1

🔆 Agilent				R	Т	Amplitude
JYCP9060 Cond Spur			Mk	r1 3.815		Y Axis Units,
Ref 23 dBm #Peak	Atten 10 dB			-38.76	dBm	dBm
Log						
10 dB/						Ref Lvl Offst 27.50 dB
0ffst 27.5						
dB DI						Int Preamp On <u>Off</u>
–13.0 dBm						
LgAv					1	Corrections.
V1 S2 S3 FC	handraghtanetrikaatelihanensi	manual Markows Marco	wayou and a characteria	weeker waarda waa	nihim	Ext Amp Gain 0.00 dB
<b>£</b> (f):						
FTun Swp						Atten Step 2dB 10dB
Center 2.015 GHz #Res BW 1 MHz	#V	BW 1 MHz	S Sweep 6.64	pan 3.97 ms (601		More 2 of 3
File Operation Stat						

FCC CERTIFICATION REPORT				
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🔆 Agilent				RT	Amplitude
JYCP9060 Cond Spi				560 GHz	Y Axis Units,
Ref 23 dBm	Atten 10 dB			49 dBm	dBm
#Peak Log					
10					Ref LvI Offst
dB/					27.50 dB
Öffst					E7.50 GB
27.5					Int Droomn
dB 🛛 👘					Int Preamp On Off
DI					
-13.0					
dBm					Corrections
LgAv			1		
			Marthannafindanda		
V1 S2 S3 FCMb-transported	man har been been and many on which	Astrony bornet	want of water water and the strength of	synthesister and	Ext Amp Gain
					0.00 dB
AA A(1)					
<b>£</b> (f): FTun					Atten Step
Swp					<u>2dB</u> 10dB
2mh					
					More
Center 12.000 GHz				16 GHz	2 of 3
#Res BW 1 MHz	#VBW :	l MHz	Sweep 40 ms (6	01 pts)	
File Operation Sta	tus, C:\HCT.GIF (	ile saved			

# ■ WCDMA1900 MODE (9538 CH.) Conducted Spurious Emissions2

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