

CERTIFICATE OF COMPLIANCE
FCC Certification**Applicant Name:**
Pantech Co., Ltd.**Date of Issue:**

July 19, 2012

Address:
Pantech Bldg, I-2, DMC, Sangam-dong, Mapo-gu, Seoul,
121-792, Korea**Test Site/Location:**HCT CO., LTD., 105-1, Jangam-ri, Majang-Myeon,
Icheon-si, Kyunggi-Do, Korea**Report No.:** HCTR1207FR14**HCT FRN:** 0005866421**FCC ID** : JYCPREMIAV**APPLICANT** : Pantech Co., Ltd.**FCC Model(s):** ADR930LVW**EUT Type:** CDMA/GSM/LTE Phone with BT/WLAN/NFC**Max. RF Output Power:** Wi-Fi 802.11a (5180~5240) (11.55 dBm)/ Wi-Fi 802.11a (5260~5320) (11.63 dBm)/

Wi-Fi 802.11a (5500~5700) (13.76 dBm)/ Wi-Fi 802.11n_20 MHz BW (5180~5240) (10.45 dBm)/

Wi-Fi 802.11n_20 MHz BW (5260~5320) (11.26 dBm)/ Wi-Fi 802.11n_20 MHz BW (5500~5700) (12.38 dBm)/

Wi-Fi 802.11n_40 MHz BW (5190~5230) (10.26 dBm)/ Wi-Fi 802.11n_40 MHz BW (5270~5310) (10.30 dBm)/

Wi-Fi 802.11n_40 MHz BW (5510~5670) (12.77 dBm)

Frequency Range:

20 MHz BW

5180 MHz - 5240 MHz (UNII 1)/ 5260 MHz - 5320 MHz (UNII 2)/

5500 MHz - 5700 MHz (UNII 3)

40 MHz BW

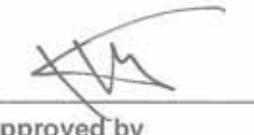
5190 MHz - 5230 MHz (UNII 1)/ 5270 MHz - 5310 MHz (UNII 2)/

5510 MHz - 5670 MHz (UNII 3)

Modulation type: OFDM**FCC Classification:** Unlicensed National Information Infrastructure(UNII)**FCC Rule Part(s):** Part 15.407**Engineering Statement:**

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. 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 1988, 21 U.S.C. 853(a)


Jong Seok Lee

Report prepared by

: Jong Seok Lee

Test engineer of RF Team

Approved by

: Sang Jun Lee

Manager of RF Team

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FCC CERTIFICATION REPORT			www.hct.co.kr
FCC PT.15.247 TEST REPORT	Date of Issue:	EUT Type:	FCC ID:
Test Report No. HCTR1207FR14	July 19, 2012	CDMA/GSM/LTE Phone with BT/WLAN/NFC	JYCPREMIAV

Version

TEST REPORT NO.	DATE	DESCRIPTION
HCTR1207FR14	July 19, 2012	- First Approval Report

FCC PT.15.247 TEST REPORT			FCC CERTIFICATION REPORT	www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Table of Contents

1. GENERAL INFORMATION	4
2. EUT DESCRIPTION	4
3. TEST METHODOLOGY	5
3.1 EUT CONFIGURATION	5
3.2 EUT EXERCISE	5
3.3 GENERAL TEST PROCEDURES	5
3.4 DESCRIPTION OF TEST MODES	5
4. INSTRUMENT CALIBRATION	6
5. FACILITIES AND ACCREDITATIONS	6
5.1 FACILITIES	6
5.2 EQUIPMENT	6
6. ANTENNA REQUIREMENTS	7
7. SUMMARY OF TEST RESULTS	8
8. TEST RESULT	9
8.1 26 dB BANDWIDTH MEASUREMENT	9
8.2 OUTPUT POWER MEASUREMENT	27
8.3 POWER SPECTRAL DENSITY	138
8.4 PEAK EXCURSION RATIO	155
8.5 FREQUENCY STABILITY	170
8.6 RADIATED MEASUREMENT	173
8.6.1 RADIATED SPURIOUS EMISSIONS	173
8.6.2 RADIATED RESTRICTED BAND EDGE MEASUREMENTS	212
8.7 POWERLINE CONDUCTED EMISSIONS	224
9. LIST OF TEST EQUIPMENT	229

FCC CERTIFICATION REPORT			
FCC PT.15.247 TEST REPORT	Date of Issue:	EUT Type:	www.hct.co.kr
Test Report No. HCTR1207FR14	July 19, 2012	CDMA/GSM/LTE Phone with BT/WLAN/NFC	FCC ID: JYCPREMIAV

1. GENERAL INFORMATION

Applicant: Pantech Co., Ltd.
Address: Pantech Bldg, I-2, DMC, Sangam-dong, Mapo-gu, Seoul, 121-792, Korea
FCC ID: JYCPREMIAV
EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC
Model name(s): ADR930LVW
Date(s) of Tests: May 08, 2012 ~ July 18, 2012
Place of Tests: HCT Co., Ltd.
 105-1, Jangam-ri, Majang-Myeon, Icheon-si, Kyunggi-Do, 467-811, KOREA.
 (IC Recognition No. : 5944A-3)

2. EUT DESCRIPTION

EUT Type	CDMA/GSM/LTE Phone with BT/WLAN/NFC
FCC Model Name	ADR930LVW
Power Supply	DC 3.7 V
Frequency Range	<p> TX_20 MHz: 5180 MHz - 5240 MHz (UNII 1)/ 5260 MHz - 5320 MHz (UNII 2)/ 5500 MHz - 5700 MHz (UNII 3) 40 MHz: 5190 MHz - 5230 MHz (UNII 1)/ 5270 MHz - 5310 MHz (UNII 2)/ 5510 MHz - 5670 MHz (UNII 3) </p> <p> RX_20 MHz: 5180 MHz - 5240 MHz (UNII 1)/ 5260 MHz - 5320 MHz (UNII 2)/ 5500 MHz - 5700 MHz (UNII 3) 40 MHz: 5190 MHz - 5230 MHz (UNII 1)/ 5270 MHz - 5310 MHz (UNII 2)/ 5510 MHz - 5670 MHz (UNII 3) </p>
Max. RF Output Power:	Wi-Fi 802.11a (5180~5240) (11.55 dBm)/ Wi-Fi 802.11a (5260~5320) (11.63 dBm)/ Wi-Fi 802.11a (5500~5700) (13.76 dBm)/ Wi-Fi 802.11n_20 MHz BW (5180~5240) (10.45 dBm)/ Wi-Fi 802.11n_20 MHz BW (5260~5320) (11.26 dBm)/ Wi-Fi 802.11n_20 MHz BW (5500~5700) (12.38 dBm)/ Wi-Fi 802.11n_40 MHz BW (5190~5230) (10.26 dBm)/ Wi-Fi 802.11n_40 MHz BW (5270~5310) (10.30 dBm)/ Wi-Fi 802.11n_40 MHz BW (5510~5670) (12.77 dBm)
Modulation Type	OFDM(802.11a, 802.11n_20 MHz, 802.11n_40 MHz)
Antenna Specification	Manufacturer: DONGNAM Antenna type: FPCB Antenna Peak Gain : 1.0 dBi

FCC CERTIFICATION REPORT			
FCC PT.15.247 TEST REPORT Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC	FCC ID: JYCPREMIAV www.hct.co.kr

3. TEST METHODOLOGY

The measurement procedure described in the American National Standard for Testing Unlicensed Wireless Devices(ANSI C63.10-2009) and FCC KDB 789033 D01 General UNII Test Procedures v01r01 dated March 05, 2012 entitled “ Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices – Part 15, Subpart E” were used in the measurement.

3.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

3.2 EUT EXERCISE

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.247 under the FCC Rules Part 15 Subpart C.

3.3 GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2 of ANSI C63.10. (Version :2009) Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes according to the requirements in Section 6.3 of ANSI C63.10. (Version: 2009)

3.4 DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition. Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Channel low, mid and high with highest data rate (worst case) is chosen for full testing.

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV



4. 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 equipments, which is traceable to recognized national standards.

5. FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

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, Kyunggi-Do, 467-811, Korea. The site is constructed in conformance with the requirements of ANSI C63.4. (Version :2003) and CISPR Publication 22. Detailed description of test facility was submitted to the Commission and accepted dated March 02, 2011 (Registration Number: 90661)

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements. Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers. Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

FCC CERTIFICATION REPORT			
FCC PT.15.247 TEST REPORT Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC	FCC ID: JYCPREMIAV www.hct.co.kr



6. ANTENNA REQUIREMENTS

According to FCC 47 CFR §15.203:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

* The antennas of this E.U.T are permanently attached.

*The E.U.T Complies with the requirement of §15.203

FCC CERTIFICATION REPORT			
FCC PT.15.247 TEST REPORT Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC	FCC ID: JYCPREMIAV www.hct.co.kr

7. SUMMARY OF TEST RESULTS

Test Description	FCC Part Section(s)	Test Limit	Test Condition	Test Result
<u>TRANSMITTER MODE(TX)</u>				
26dB Bandwidth	NA	NA		PASS
Maximum Conducted Output Power	§15.407(a)(1)	< $4+10 \log_{10} (\text{BW}) \text{ dBm}$ (5150-5250 MHz) < $11+10 \log_{10} (\text{BW}) \text{ dBm}$ (5250-5350 MHz) < $11+10 \log_{10} (\text{BW}) \text{ dBm}$ (5470-5725 MHz)	CONDUCTED	PASS
Peak Power Spectral Density	§15.407(a)(1), (5)	<4 dBm/ MHz (5150-5250) <11 dBm/ MHz (5250-5350) <11 dBm/ MHz (5470-5725)		PASS
Peak Excursion	§15.407(a)(6)	<13 dB/ MHz maximum difference		PASS
Frequency Stability	§15.407(g)	NA		PASS
Undesirable Emissions	§15.407(b)(1), (2), (3)	<-27 dBm/ MHz EIRP (5150-5350 MHz, 5470-5725 MHz)		PASS
General Field Strength Limits(Restricted Bands and Radiated Emission Limits)	15.205, 5.407(b)(1), (5), (6)	Emissions in restricted bands must meet the radiated limits detailed in 15.209	RADIATED	PASS
AC Conducted Emissions 150 kHz-30 MHz	15.207	<FCC 15.207 limits		LINE CONDUCTED
				PASS

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

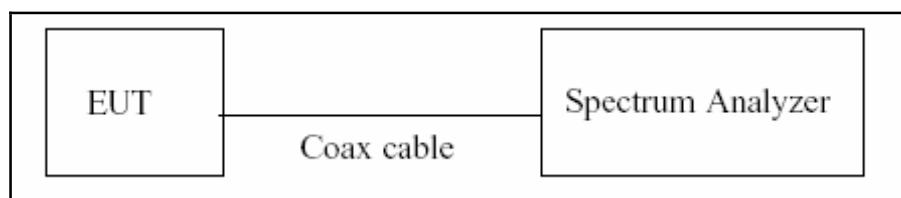
8. TEST RESULT

8.1 26 dB BANDWIDTH MEASUREMENT

The bandwidth at 26 dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating at its maximum power control level, as defined in KDB 789033, at the appropriate frequencies. The spectrum analyzer's bandwidth measurement function is configured to measure the 26 dB bandwidth.

The 26 dB bandwidth is used to determine the conducted power limits.

□ TEST CONFIGURATION



□ TEST PROCEDURE

The transmitter output is connected to the Spectrum Analyzer.

The Spectrum Analyzer is set to

RBW: approximately 1 % of the emission bandwidth

VBW: >RBW

SPAN: 40 MHz(20 MHz BW) / 60 MHz(40 MHz BW)

Detector = Peak

Trace mode = max hold

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

TEST RESULTS

Conducted 26 dB Bandwidth Measurements for 802.11a

802.11a Mode		Measured Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
Frequency [MHz]	Channel No.			
5180	36	24.26	N/A	Pass
5200	40	23.66	N/A	Pass
5240	48	23.24	N/A	Pass

Conducted 26 dB Bandwidth Measurements for 802.11a

802.11a Mode		Measured Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
Frequency [MHz]	Channel No.			
5260	52	23.75	N/A	Pass
5300	60	24.42	N/A	Pass
5320	64	23.96	N/A	Pass

Conducted 26 dB Bandwidth Measurements for 802.11a

802.11a Mode		Measured Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
Frequency [MHz]	Channel No.			
5500	100	25.29	N/A	Pass
5600	120	24.79	N/A	Pass
5700	140	22.32	N/A	Pass

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV



TEST RESULTS

20 MHz BW

Conducted 26 dB Bandwidth Measurements for 802.11n

802.11n Mode		Measured Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
Frequency [MHz]	Channel No.			
5180	36	22.47	N/A	Pass
5200	40	23.13	N/A	Pass
5240	48	23.18	N/A	Pass

Conducted 26 dB Bandwidth Measurements for 802.11n

802.11n Mode		Measured Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
Frequency [MHz]	Channel No.			
5260	52	23.30	N/A	Pass
5300	60	23.05	N/A	Pass
5320	64	23.77	N/A	Pass

Conducted 26 dB Bandwidth Measurements for 802.11n

802.11n Mode		Measured Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
Frequency [MHz]	Channel No.			
5500	100	23.55	N/A	Pass
5600	120	24.10	N/A	Pass
5700	140	23.18	N/A	Pass

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

40 MHz BW
Conducted 26 dB Bandwidth Measurements for 802.11n

802.11n Mode		Measured Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
Frequency [MHz]	Channel No.			
5190	38	43.98	N/A	Pass
5230	46	44.88	N/A	Pass

Conducted 26 dB Bandwidth Measurements for 802.11n

802.11n Mode		Measured Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
Frequency [MHz]	Channel No.			
5270	54	43.35	N/A	Pass
5310	62	44.05	N/A	Pass

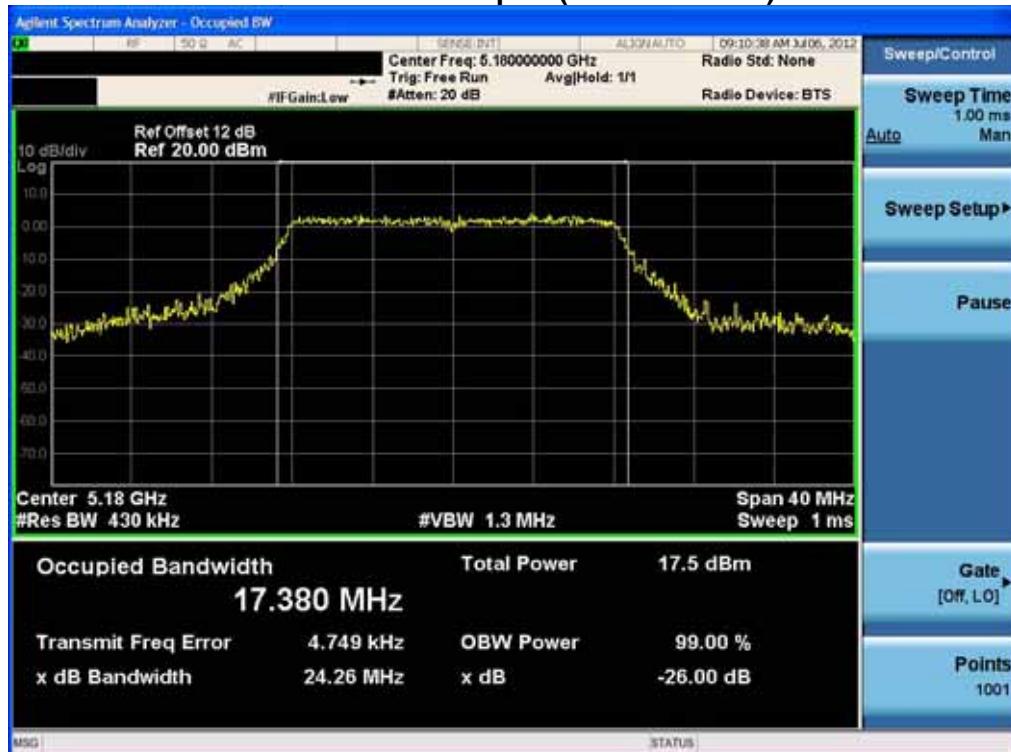
Conducted 26 dB Bandwidth Measurements for 802.11n

802.11n Mode		Measured Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
Frequency [MHz]	Channel No.			
5510	102	43.74	N/A	Pass
5590	118	43.80	N/A	Pass
5670	134	43.66	N/A	Pass

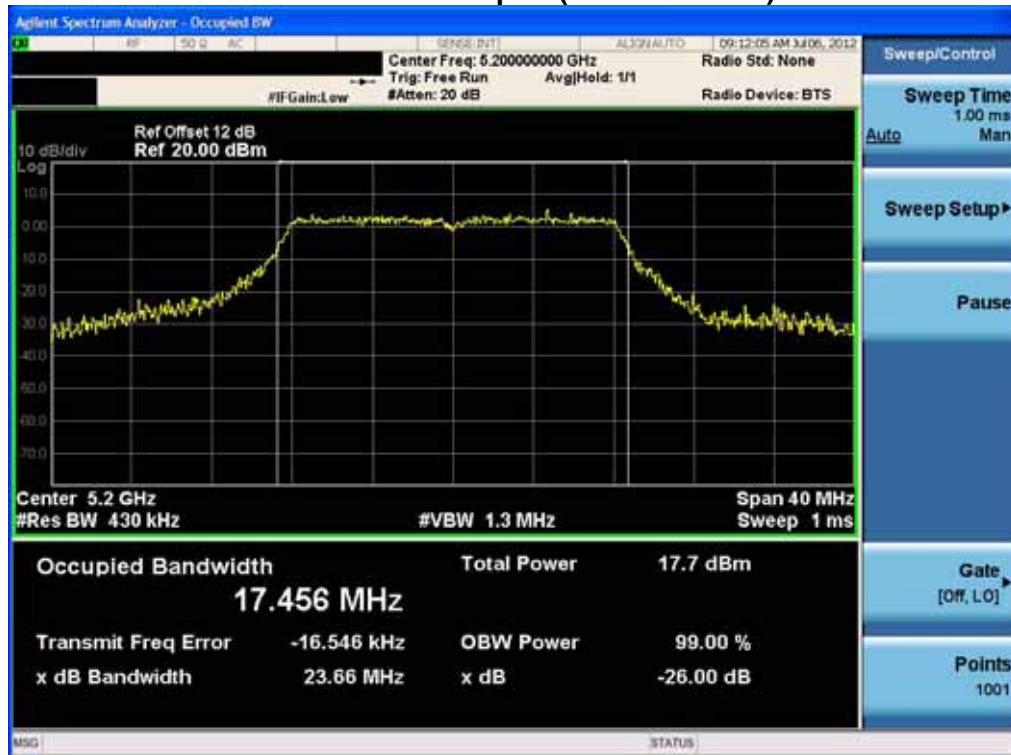
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

□ RESULT PLOTS

26 dB Bandwidth plot (802.11a-CH 36)



26 dB Bandwidth plot (802.11a-CH 40)



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

26 dB Bandwidth plot (802.11a-CH 48)

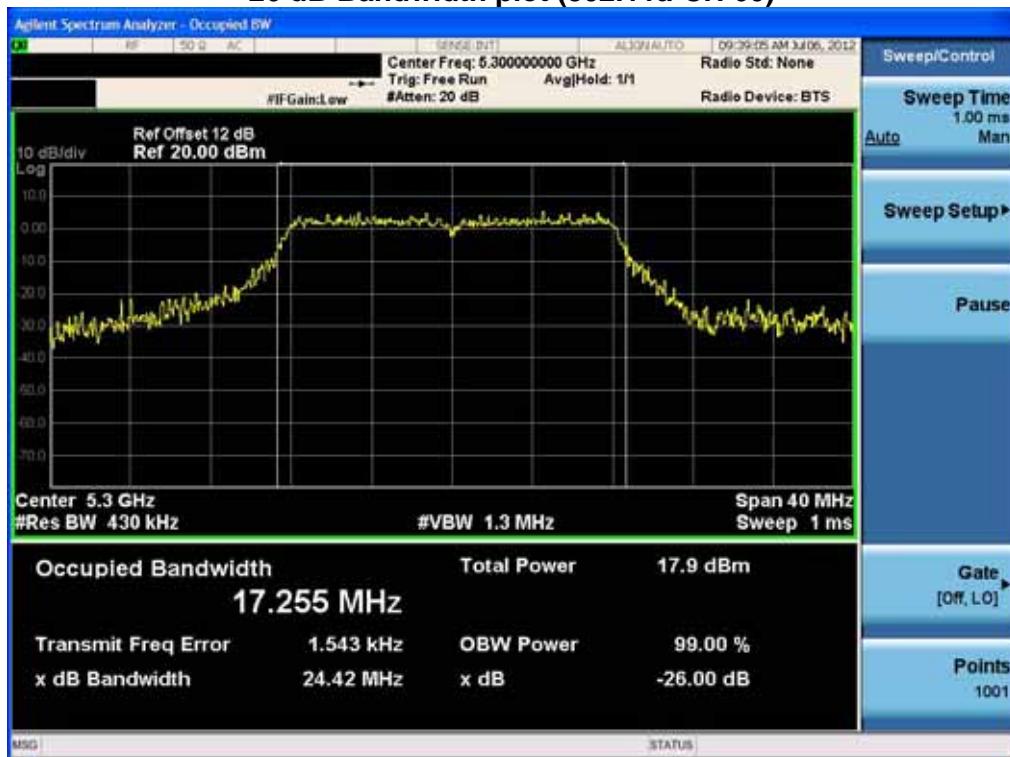


26 dB Bandwidth plot (802.11a-CH 52)



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

26 dB Bandwidth plot (802.11a-CH 60)

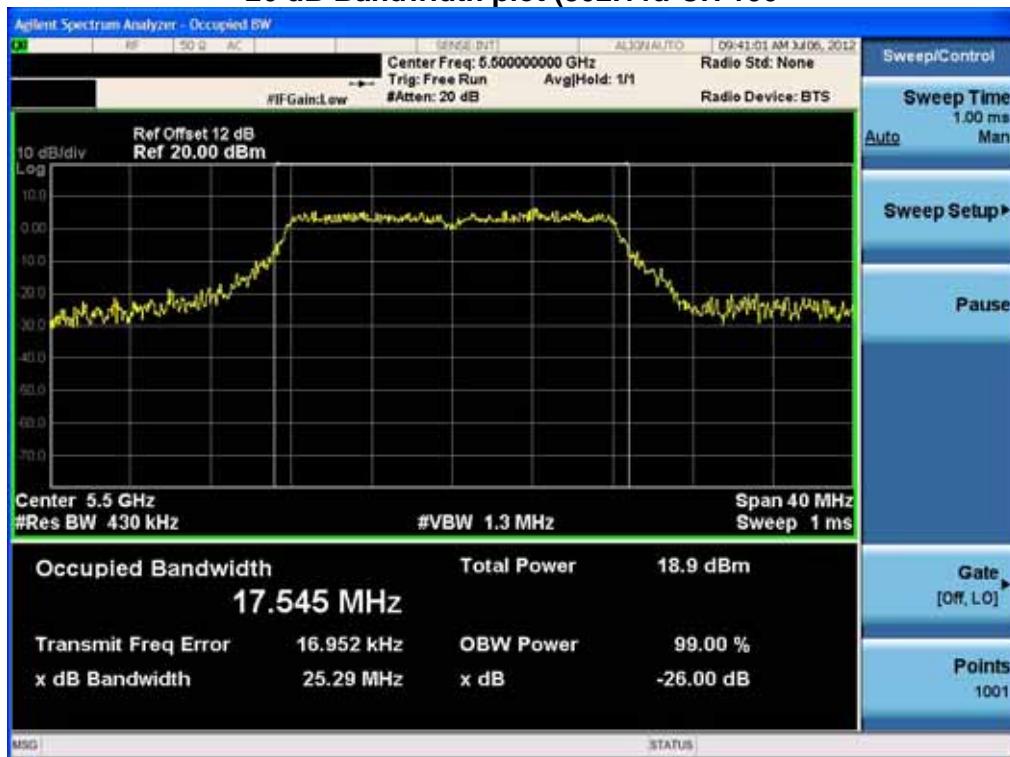


26 dB Bandwidth plot (802.11a-CH 64)

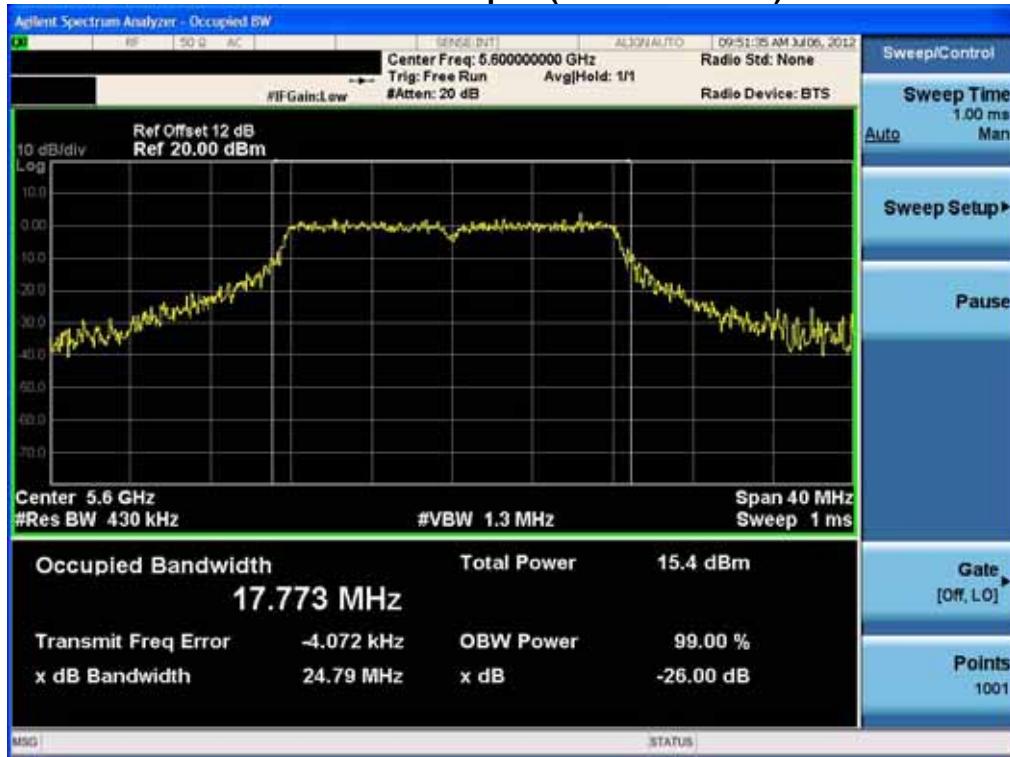


FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

26 dB Bandwidth plot (802.11a-CH 100)

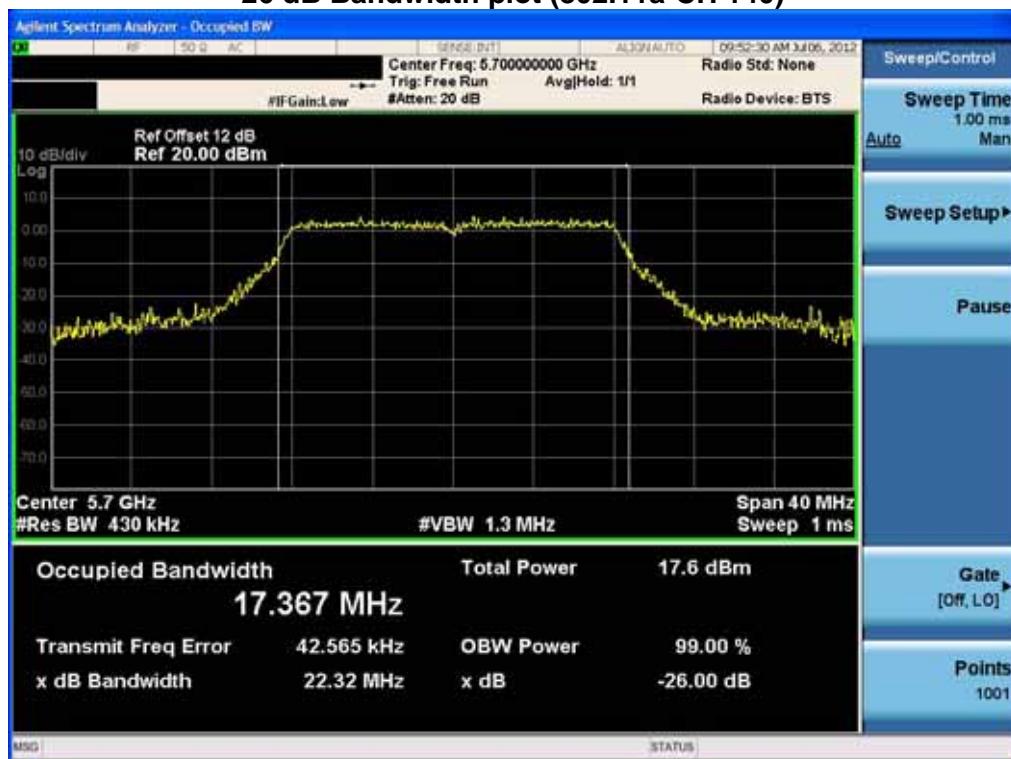


26 dB Bandwidth plot (802.11a-CH 120)



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

26 dB Bandwidth plot (802.11a-CH 140)



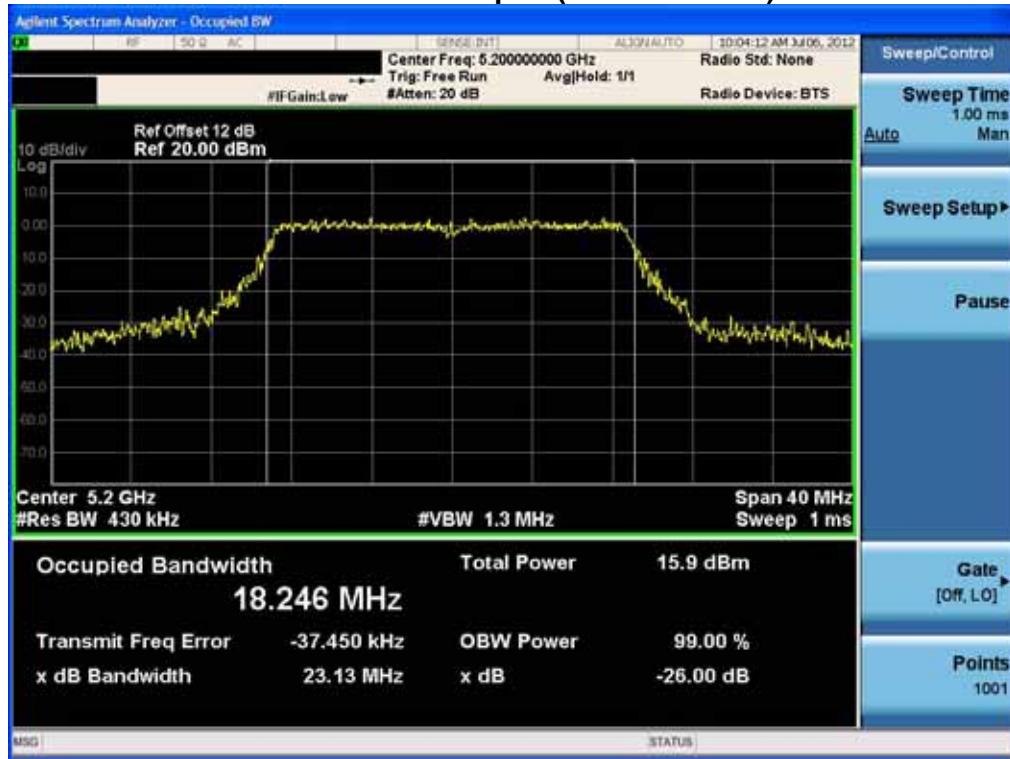
FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

20 MHz BW

26 dB Bandwidth plot (802.11n-CH 36)

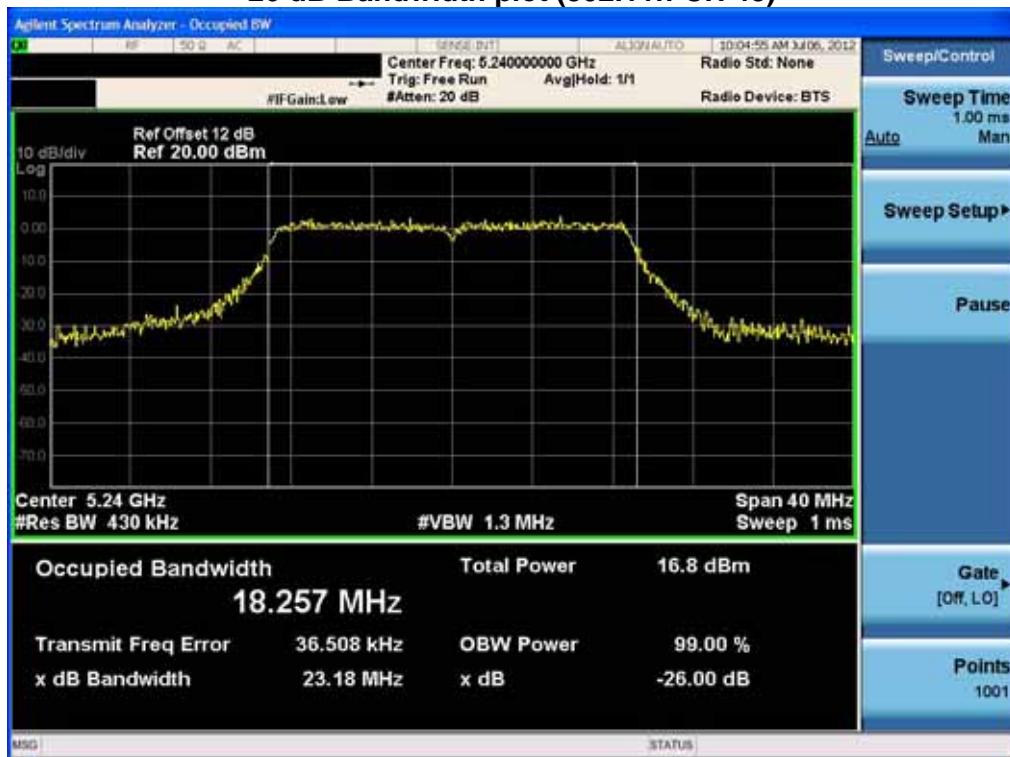


26 dB Bandwidth plot (802.11n-CH 40)



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

26 dB Bandwidth plot (802.11n-CH 48)



26 dB Bandwidth plot (802.11n-CH 52)

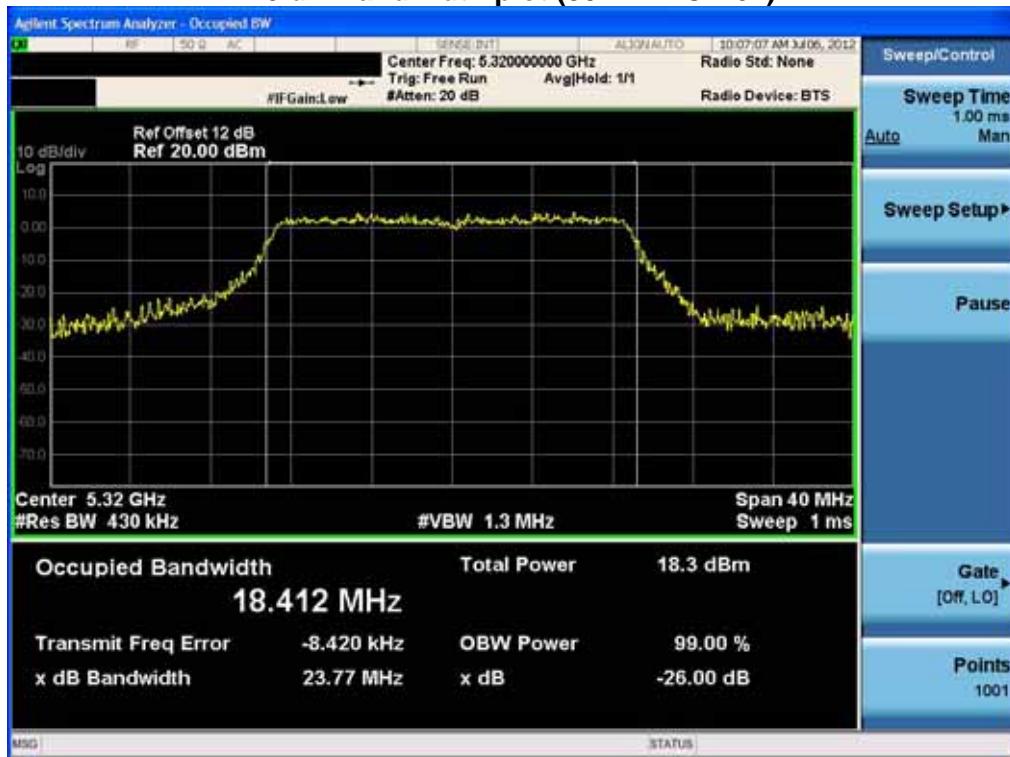


FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

26 dB Bandwidth plot (802.11n-CH 60)

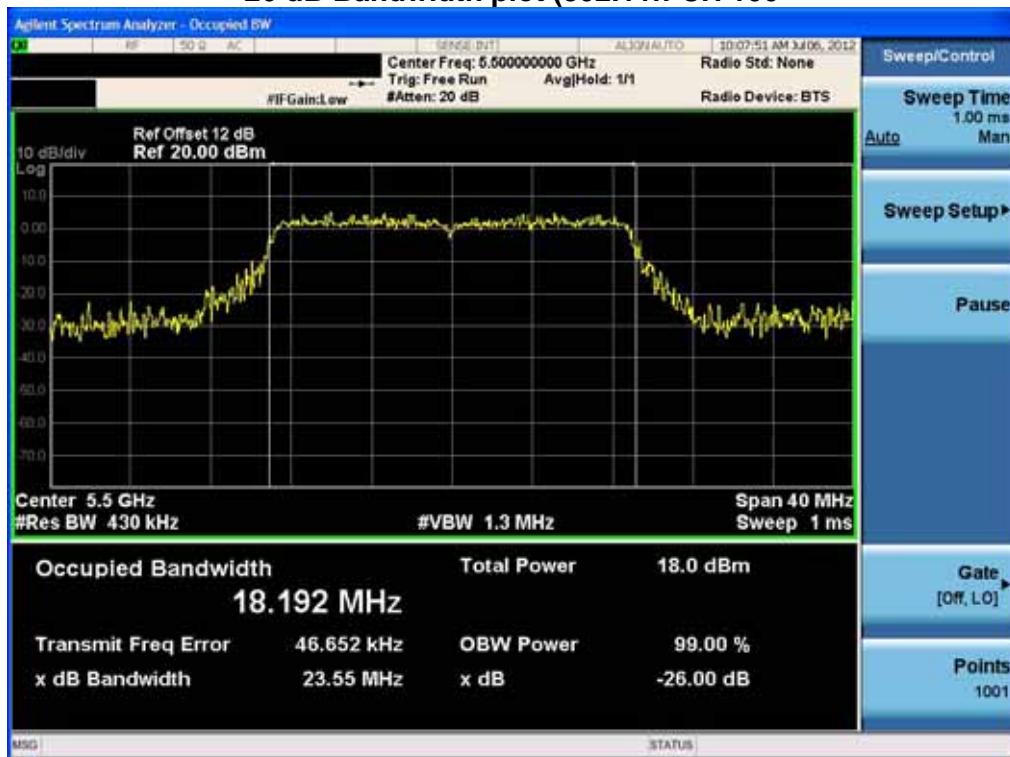


26 dB Bandwidth plot (802.11n-CH 64)

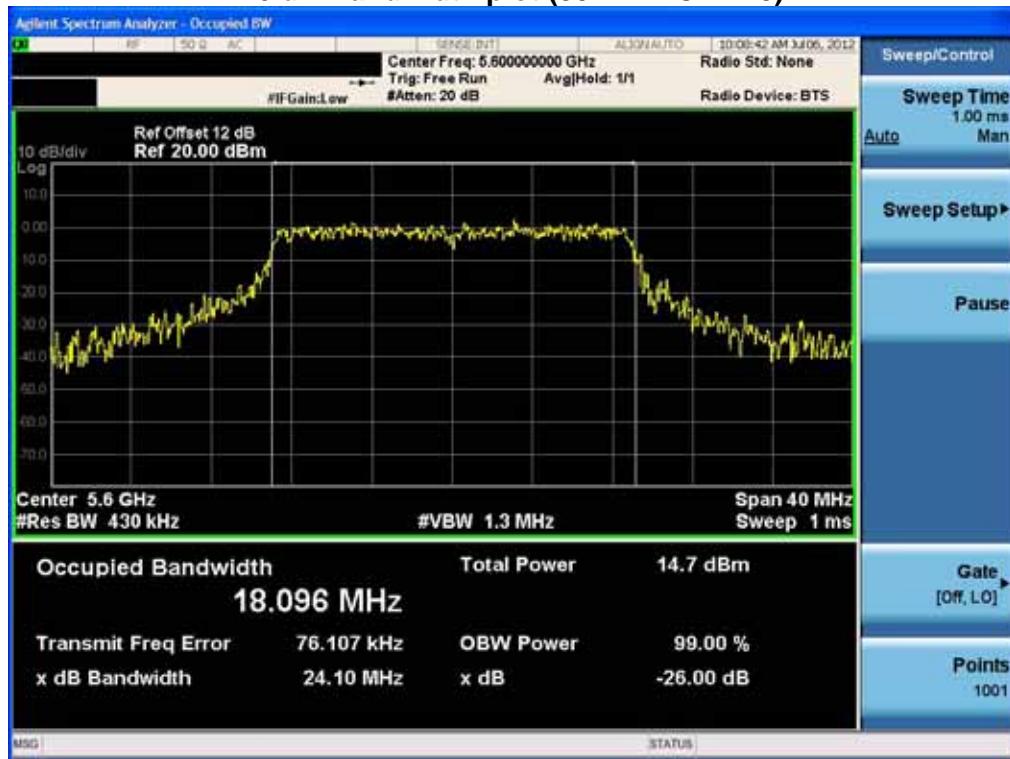


FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

26 dB Bandwidth plot (802.11n-CH 100)

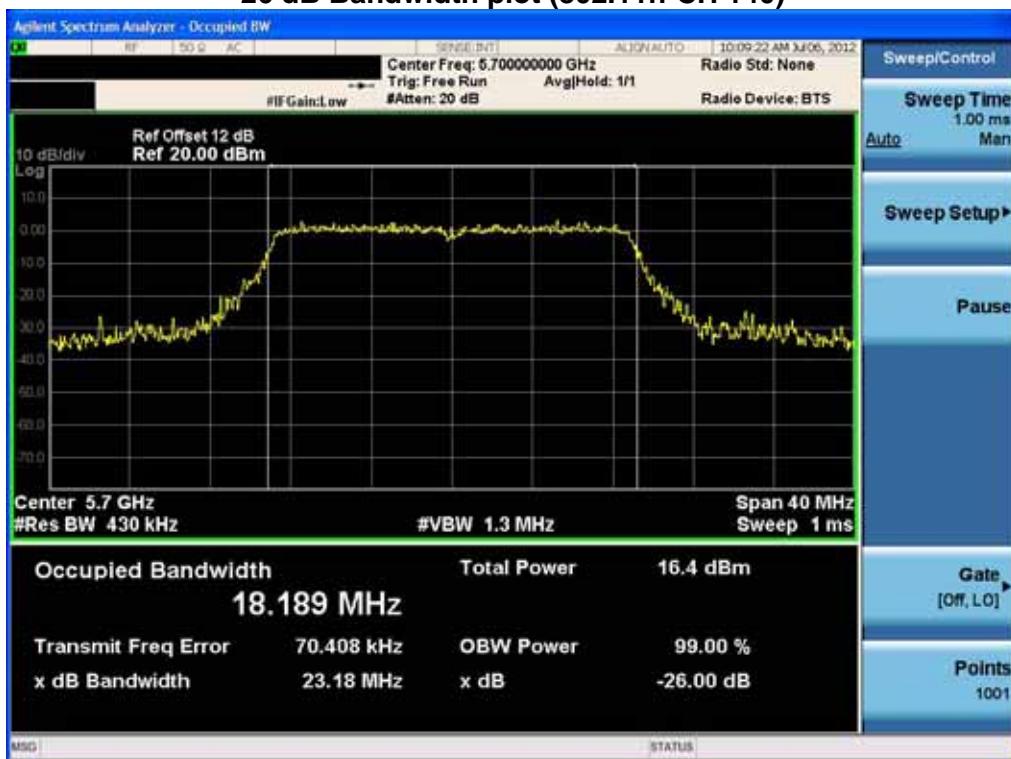


26 dB Bandwidth plot (802.11n-CH 120)



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

26 dB Bandwidth plot (802.11n-CH 140)



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

26 dB Bandwidth plot (802.11n-CH 38)

26 dB Bandwidth plot (802.11n-CH 46)


FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

26 dB Bandwidth plot (802.11n-CH 54)

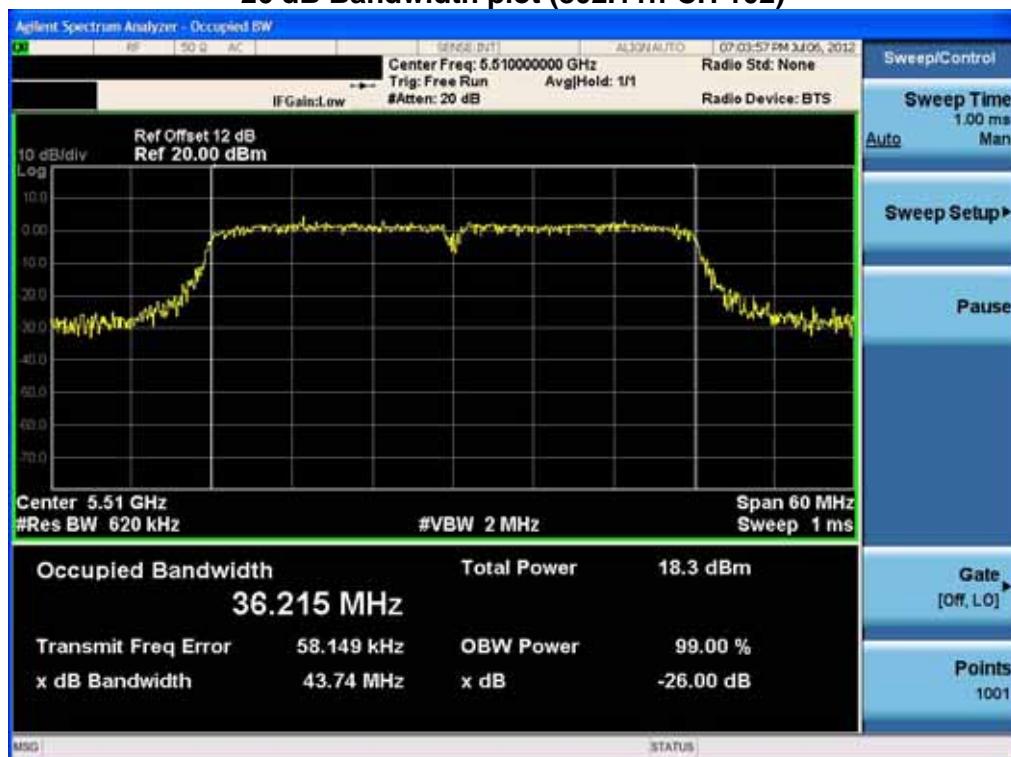


26 dB Bandwidth plot (802.11n-CH 62)

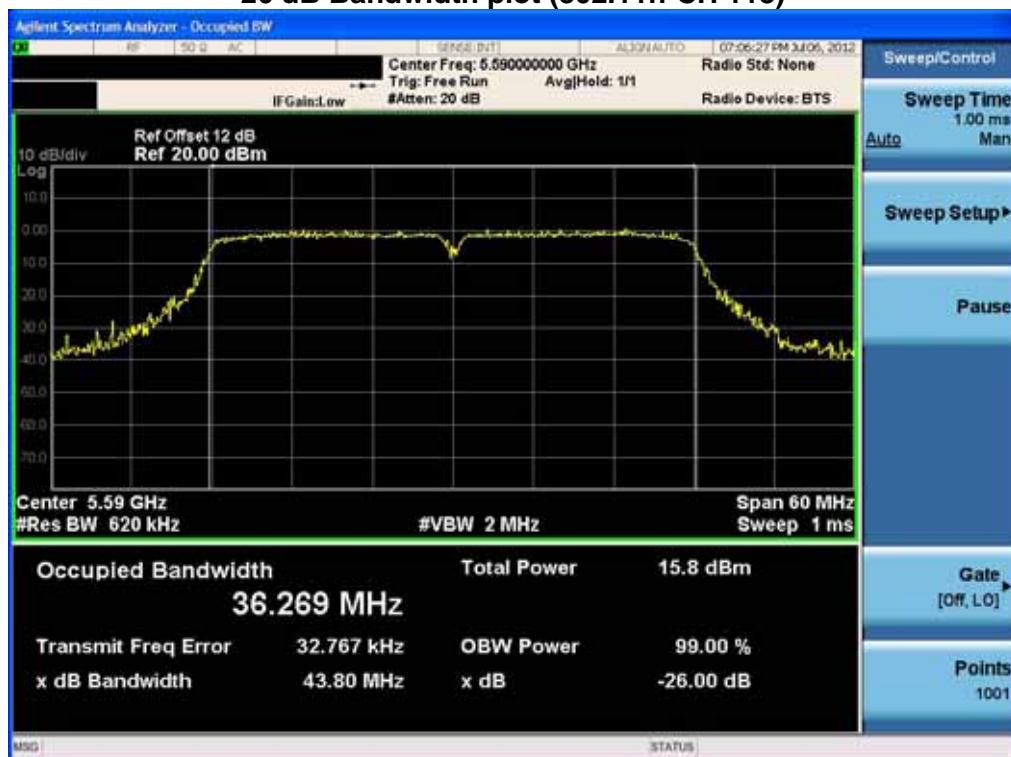


FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

26 dB Bandwidth plot (802.11n-CH 102)



26 dB Bandwidth plot (802.11n-CH 118)



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

26 dB Bandwidth plot (802.11n-CH 134)



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

8.2 OUTPUT POWER MEASUREMENT

Test Requirements and limit, §15.247(b)(3)

A transmitter antenna terminal of EUT is connected to the input of a Spectrum Analyzer.

Measurement is made while the EUT is operating in transmission mode at the appropriate frequencies. In the 5.15 – 5.25 GHz band, the maximum permissible conducted output power is the lesser of 50 mW (16.99 dBm) and $4 \text{ dBm} + 10 \log_{10}(26 \text{ dB BW})$

frequencies. In the 5.25 – 5.35 GHz band, the maximum permissible conducted output power is the lesser of 250 mW (23.98 dBm) and $11 \text{ dBm} + 10 \log_{10}(26 \text{ dB BW})$

frequencies. In the 5.47 – 5.725 GHz band, the maximum permissible conducted output power is the lesser of 250 mW (23.98 dBm) and $11 \text{ dBm} + 10 \log_{10}(26 \text{ dB BW})$

Limit : 802.11a_UNII-1 = 16.99 dBm

802.11n(20 MHz BW)_UNII-1 = 16.99 dBm

802.11n(40 MHz BW)_UNII-1 = 16.99 dBm

802.11a_UNII-2 = 23.98 dBm

802.11n(20 MHz BW)_UNII-2 = 23.98 dBm

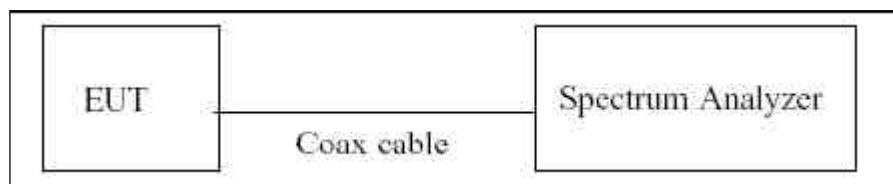
802.11n(40 MHz BW)_UNII-2 = 23.98 dBm

802.11a_UNII-3 = 23.98 dBm

802.11n(20 MHz BW)_UNII-3 = 23.98 dBm

802.11n(40 MHz BW)_UNII-3 = 23.98 dBm

█ TEST CONFIGURATION



█ TEST PROCEDURE

The transmitter output is connected to the Spectrum Analyzer. We use the spectrum analyzer's integrated band power measurement function. We tested according to Method SA-1 in KDB 789033(issued 3/05/2012).

This EUT TX condition is actual operating mode(not near 100 % duty cycle) by WLAN test program.

The Spectrum Analyzer is set to

- Average Power

RBW = 1 MHz

VBW = 3 MHz

Sweep Point = 1001

SPAN = to encompass the entire EBW of the signal

Sweep Time = auto

Detector Mode = RMS(i.e., power averaging)

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:		
HCTR1207FR14	July 19, 2012	CDMA/GSM/LTE Phone with BT/WLAN/NFC	FCC ID:	JYCPREMIAV



Trace average at least 100 traces in power averaging(RMS) mode

Integrated bandwidth = 26 dB EBW

■ Sample Calculation

Output Power = Reading Value + ATT loss + Cable loss(1 ea)

$$= 10 \text{ dBm} + 10 \text{ dB} + 0.8 \text{ dB} = 20.8 \text{ dBm}$$

Note :

1. Spectrum reading values are not plot data. The power results in plot is already including the actual values of loss for the attenuator and cable combination.
2. Spectrum offset = Attenuator loss + Cable loss
3. We apply to the offset in the 2.4 GHz and 5 GHz range that was rounded off to the closest tenth dB. Actual value of loss for the attenuator and cable combination is 11 dB at 2.4 GHz and 12 dB at 5 GHz. We used the particular cable type that is supported by manufacturer.

FCC CERTIFICATION REPORT			
FCC PT.15.247 TEST REPORT Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC	FCC ID: JYCPREMIAV www.hct.co.kr

TEST RESULTS

Conducted Output Power Measurements (802.11a Mode: 5180~5240)

802.11a Mode		Rate (Mbps)	Measured Power(dBm)	Limit (dBm)
Frequency[MHz]	Channel No.			
5180	36	6 Mbps	10.93	16.99
		9 Mbps	10.60	16.99
		12 Mbps	10.24	16.99
		18 Mbps	10.07	16.99
		24 Mbps	9.66	16.99
		36 Mbps	9.07	16.99
		48 Mbps	8.38	16.99
		54 Mbps	8.26	16.99
5200	40	6 Mbps	10.94	16.99
		9 Mbps	10.71	16.99
		12 Mbps	10.38	16.99
		18 Mbps	10.05	16.99
		24 Mbps	9.54	16.99
		36 Mbps	8.99	16.99
		48 Mbps	8.49	16.99
		54 Mbps	8.19	16.99
5240	48	6 Mbps	11.55	16.99
		9 Mbps	11.33	16.99
		12 Mbps	11.19	16.99
		18 Mbps	10.60	16.99
		24 Mbps	10.30	16.99
		36 Mbps	9.64	16.99
		48 Mbps	9.05	16.99
		54 Mbps	8.72	16.99

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power Measurements (802.11a Mode: 5260~5320)

802.11a Mode		Rate (Mbps)	Measured Power(dBm)	Limit (dBm)
Frequency[MHz]	Channel No.			
5260	52	6 Mbps	11.63	23.98
		9 Mbps	11.47	23.98
		12 Mbps	11.29	23.98
		18 Mbps	10.74	23.98
		24 Mbps	10.32	23.98
		36 Mbps	9.68	23.98
		48 Mbps	9.26	23.98
		54 Mbps	9.02	23.98
5300	60	6 Mbps	11.35	23.98
		9 Mbps	10.90	23.98
		12 Mbps	10.66	23.98
		18 Mbps	10.29	23.98
		24 Mbps	9.83	23.98
		36 Mbps	9.46	23.98
		48 Mbps	8.87	23.98
		54 Mbps	8.47	23.98
5320	64	6 Mbps	11.40	23.98
		9 Mbps	11.14	23.98
		12 Mbps	10.92	23.98
		18 Mbps	10.32	23.98
		24 Mbps	10.02	23.98
		36 Mbps	9.35	23.98
		48 Mbps	8.95	23.98
		54 Mbps	8.72	23.98

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power Measurements (802.11a Mode: 5500~5700)

802.11a Mode		Rate (Mbps)	Measured Power(dBm)	Limit (dBm)
Frequency[MHz]	Channel No.			
5500	100	6 Mbps	12.56	23.98
		9 Mbps	12.39	23.98
		12 Mbps	12.30	23.98
		18 Mbps	11.75	23.98
		24 Mbps	11.17	23.98
		36 Mbps	10.64	23.98
		48 Mbps	9.82	23.98
		54 Mbps	9.74	23.98
5600	120	6 Mbps	13.76	23.98
		9 Mbps	13.65	23.98
		12 Mbps	13.12	23.98
		18 Mbps	12.95	23.98
		24 Mbps	12.49	23.98
		36 Mbps	11.84	23.98
		48 Mbps	11.24	23.98
		54 Mbps	11.08	23.98
5700	140	6 Mbps	11.52	23.98
		9 Mbps	11.29	23.98
		12 Mbps	11.22	23.98
		18 Mbps	10.45	23.98
		24 Mbps	9.94	23.98
		36 Mbps	9.34	23.98
		48 Mbps	8.77	23.98
		54 Mbps	8.71	23.98

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV



20 MHz BW

Conducted Output Power Measurements (802.11n Mode: 5180~5240)

802.11n Mode		Rate (Mbps)	Measured Power(dBm)	Limit (dBm)
Frequency[MHz]	Channel No.			
5180	36	6.5 Mbps	9.96	16.99
		13 Mbps	9.47	16.99
		19.5 Mbps	9.05	16.99
		26 Mbps	8.69	16.99
		39 Mbps	8.12	16.99
		52 Mbps	7.53	16.99
		58.5 Mbps	7.37	16.99
		65 Mbps	7.32	16.99
5200	40	6.5 Mbps	9.97	16.99
		13 Mbps	9.41	16.99
		19.5 Mbps	9.12	16.99
		26 Mbps	8.68	16.99
		39 Mbps	8.18	16.99
		52 Mbps	7.82	16.99
		58.5 Mbps	7.37	16.99
		65 Mbps	7.26	16.99
5240	48	6.5 Mbps	10.45	16.99
		13 Mbps	10.08	16.99
		19.5 Mbps	9.61	16.99
		26 Mbps	9.18	16.99
		39 Mbps	8.68	16.99
		52 Mbps	8.18	16.99
		58.5 Mbps	7.90	16.99
		65 Mbps	7.78	16.99

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power Measurements (802.11n Mode: 5260~5320)

802.11n Mode		Rate (Mbps)	Measured Power(dBm)	Limit (dBm)
Frequency[MHz]	Channel No.			
5260	52	6.5 Mbps	10.84	23.98
		13 Mbps	10.35	23.98
		19.5 Mbps	9.89	23.98
		26 Mbps	9.46	23.98
		39 Mbps	8.83	23.98
		52 Mbps	8.39	23.98
		58.5 Mbps	8.19	23.98
		65 Mbps	8.03	23.98
5300	60	6.5 Mbps	11.26	23.98
		13 Mbps	10.79	23.98
		19.5 Mbps	10.30	23.98
		26 Mbps	9.86	23.98
		39 Mbps	9.36	23.98
		52 Mbps	8.83	23.98
		58.5 Mbps	8.61	23.98
		65 Mbps	8.51	23.98
5320	64	6.5 Mbps	10.37	23.98
		13 Mbps	9.98	23.98
		19.5 Mbps	9.49	23.98
		26 Mbps	9.07	23.98
		39 Mbps	8.41	23.98
		52 Mbps	7.97	23.98
		58.5 Mbps	7.71	23.98
		65 Mbps	7.47	23.98

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power Measurements (802.11n Mode: 5500~5700)

802.11n Mode		Rate (Mbps)	Measured Power(dBm)	Limit (dBm)
Frequency[MHz]	Channel No.			
5500	100	6.5 Mbps	12.38	23.98
		13 Mbps	11.74	23.98
		19.5 Mbps	11.27	23.98
		26 Mbps	10.89	23.98
		39 Mbps	10.21	23.98
		52 Mbps	9.93	23.98
		58.5 Mbps	9.76	23.98
		65 Mbps	9.56	23.98
5600	120	6.5 Mbps	10.09	23.98
		13 Mbps	9.31	23.98
		19.5 Mbps	9.12	23.98
		26 Mbps	8.74	23.98
		39 Mbps	8.15	23.98
		52 Mbps	7.57	23.98
		58.5 Mbps	7.37	23.98
		65 Mbps	7.08	23.98
5700	140	6.5 Mbps	10.55	23.98
		13 Mbps	9.86	23.98
		19.5 Mbps	9.40	23.98
		26 Mbps	8.98	23.98
		39 Mbps	8.58	23.98
		52 Mbps	7.83	23.98
		58.5 Mbps	7.63	23.98
		65 Mbps	7.52	23.98

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

40 MHz BW

Conducted Output Power Measurements (802.11n Mode: 5190~5230)

802.11n Mode		Rate (Mbps)	Measured Power(dBm)	Limit (dBm)
Frequency[MHz]	Channel No.			
5190	38	13.5 Mbps	9.84	16.99
		27 Mbps	9.43	16.99
		40.5 Mbps	9.06	16.99
		54 Mbps	8.66	16.99
		81 Mbps	8.23	16.99
		108 Mbps	7.79	16.99
		121.5 Mbps	7.64	16.99
		135 Mbps	7.60	16.99
5230	46	13.5 Mbps	10.26	16.99
		27 Mbps	9.78	16.99
		40.5 Mbps	9.44	16.99
		54 Mbps	9.02	16.99
		81 Mbps	8.58	16.99
		108 Mbps	8.20	16.99
		121.5 Mbps	8.09	16.99
		135 Mbps	7.99	16.99

FCC CERTIFICATION REPORT			
FCC PT.15.247 TEST REPORT Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC	FCC ID: JYCPREMIAV

Conducted Output Power Measurements (802.11n Mode: 5270~5310)

802.11n Mode		Rate (Mbps)	Measured Power(dBm)	Limit (dBm)
Frequency[MHz]	Channel No.			
5270	54	13.5 Mbps	9.85	23.98
		27 Mbps	9.37	23.98
		40.5 Mbps	9.02	23.98
		54 Mbps	8.61	23.98
		81 Mbps	8.15	23.98
		108 Mbps	7.75	23.98
		121.5 Mbps	7.59	23.98
		135 Mbps	7.53	23.98
5310	62	13.5 Mbps	10.30	23.98
		27 Mbps	9.84	23.98
		40.5 Mbps	9.47	23.98
		54 Mbps	9.08	23.98
		81 Mbps	8.58	23.98
		108 Mbps	8.19	23.98
		121.5 Mbps	8.11	23.98
		135 Mbps	7.96	23.98

FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power Measurements (802.11n Mode: 5510~5670)

802.11n Mode		Rate (Mbps)	Measured Power(dBm)	Limit (dBm)
Frequency[MHz]	Channel No.			
5510	102	13.5 Mbps	11.94	23.98
		27 Mbps	11.47	23.98
		40.5 Mbps	11.13	23.98
		54 Mbps	10.79	23.98
		81 Mbps	10.25	23.98
		108 Mbps	9.9	23.98
		121.5 Mbps	9.68	23.98
		135 Mbps	9.69	23.98
5590	118	13.5 Mbps	12.77	23.98
		27 Mbps	12.33	23.98
		40.5 Mbps	11.97	23.98
		54 Mbps	11.59	23.98
		81 Mbps	11.1	23.98
		108 Mbps	10.68	23.98
		121.5 Mbps	10.58	23.98
		135 Mbps	10.53	23.98
5670	134	13.5 Mbps	10.29	23.98
		27 Mbps	9.68	23.98
		40.5 Mbps	9.38	23.98
		54 Mbps	8.96	23.98
		81 Mbps	8.45	23.98
		108 Mbps	8.25	23.98
		121.5 Mbps	7.92	23.98
		135 Mbps	7.86	23.98

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

RESULT PLOTS (5180 MHz ~5240 MHz)
Conducted Output Power (802.11a-CH 36) 6 Mbps



Conducted Output Power (802.11a-CH 36) 9 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 36) 12 Mbps



Conducted Output Power (802.11a-CH 36) 18 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 36) 24 Mbps



Conducted Output Power (802.11a-CH 36) 36 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 36) 48 Mbps



Conducted Output Power (802.11a-CH 36) 54 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 40) 6 Mbps



Conducted Output Power (802.11a-CH 40) 9 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 40) 12 Mbps



Conducted Output Power (802.11a-CH 40) 18 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 40) 24 Mbps



Conducted Output Power (802.11a-CH 40) 36 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 40) 48 Mbps



Conducted Output Power (802.11a-CH 40) 54 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 48) 6 Mbps



Conducted Output Power (802.11a-CH 48) 9 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 48) 12 Mbps



Conducted Output Power (802.11a-CH 48) 18 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 48) 24 Mbps



Conducted Output Power (802.11a-CH 48) 36 Mbps

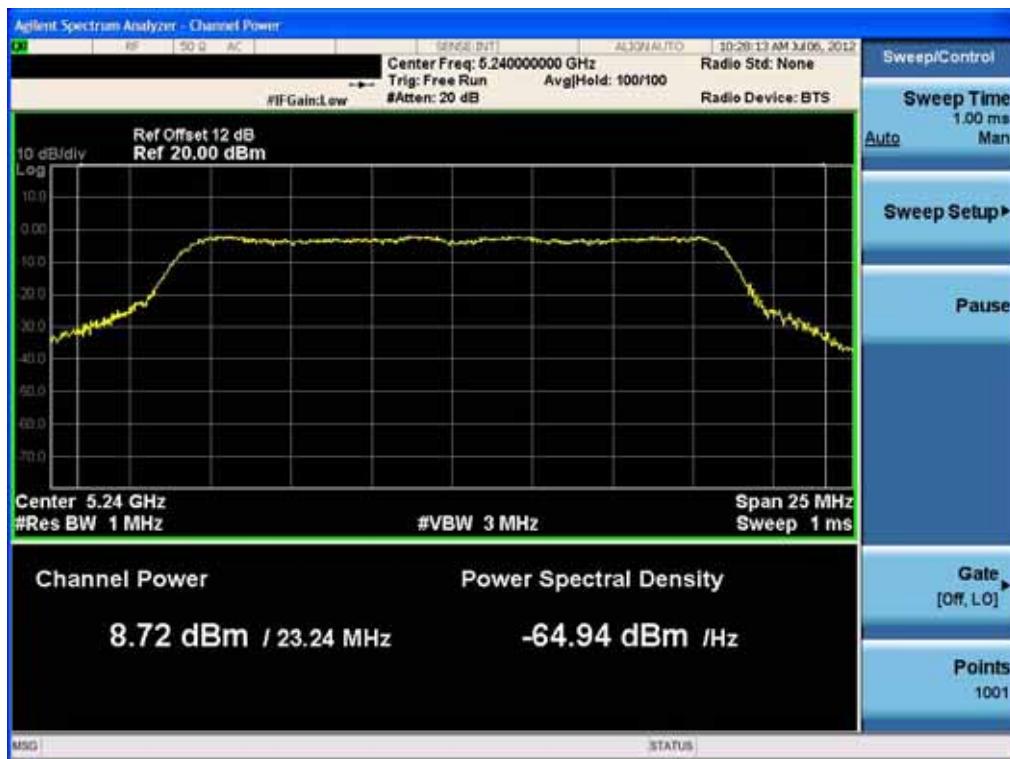


FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 48) 48 Mbps



Conducted Output Power (802.11a-CH 48) 54 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

RESULT PLOTS (5260 MHz ~5320 MHz)
Conducted Output Power (802.11a-CH 52) 6 Mbps



Conducted Output Power (802.11a-CH 52) 9 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 52) 12 Mbps



Conducted Output Power (802.11a-CH 52) 18 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 52) 24 Mbps



Conducted Output Power (802.11a-CH 52) 36 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 52) 48 Mbps



Conducted Output Power (802.11a-CH 52) 54 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 60) 6 Mbps



Conducted Output Power (802.11a-CH 60) 9 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 60) 12 Mbps



Conducted Output Power (802.11a-CH 60) 18 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 60) 24 Mbps



Conducted Output Power (802.11a-CH 60) 36 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 60) 48 Mbps



Conducted Output Power (802.11a-CH 60) 54 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 64) 6 Mbps



Conducted Output Power (802.11a-CH 64) 9 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 64) 12 Mbps



Conducted Output Power (802.11a-CH 64) 18 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 64) 24 Mbps



Conducted Output Power (802.11a-CH 64) 36 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 64) 48 Mbps



Conducted Output Power (802.11a-CH 64) 54 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

□ RESULT PLOTS (5500 MHz ~5700 MHz)

Conducted Output Power (802.11a-CH 100) 6 Mbps



Conducted Output Power (802.11a-CH 100) 9 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 100) 12 Mbps



Conducted Output Power (802.11a-CH 100) 18 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 100) 24 Mbps



Conducted Output Power (802.11a-CH 100) 36 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 100) 48 Mbps



Conducted Output Power (802.11a-CH 100) 54 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 120) 6 Mbps



Conducted Output Power (802.11a-CH 120) 9 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 120) 12 Mbps



Conducted Output Power (802.11a-CH 120) 18 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 120) 24 Mbps



Conducted Output Power (802.11a-CH 120) 36 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 120) 48 Mbps



Conducted Output Power (802.11a-CH 120) 54 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 140) 6 Mbps



Conducted Output Power (802.11a-CH 140) 9 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 140) 12 Mbps



Conducted Output Power (802.11a-CH 140) 18 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 140) 24 Mbps



Conducted Output Power (802.11a-CH 140) 36 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11a-CH 140) 48 Mbps



Conducted Output Power (802.11a-CH 140) 54 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

20 MHz BW

□ RESULT PLOTS (5180 MHz ~5240 MHz)

Conducted Output Power (802.11n-CH 36) 6.5 Mbps



Conducted Output Power (802.11n-CH 36) 13 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 36) 19.5 Mbps



Conducted Output Power (802.11n-CH 36) 26 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 36) 39 Mbps



Conducted Output Power (802.11n-CH 36) 52 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 36) 58.5 Mbps



Conducted Output Power (802.11n-CH 36) 65 Mbps



FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC

Conducted Output Power (802.11n-CH 40) 6.5 Mbps



Conducted Output Power (802.11n-CH 40) 13 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 40) 19.5 Mbps



Conducted Output Power (802.11n-CH 40) 26 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 40) 39 Mbps



Conducted Output Power (802.11n-CH 40) 52 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 40) 58.5 Mbps



Conducted Output Power (802.11n-CH 40) 65 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 48) 6.5 Mbps

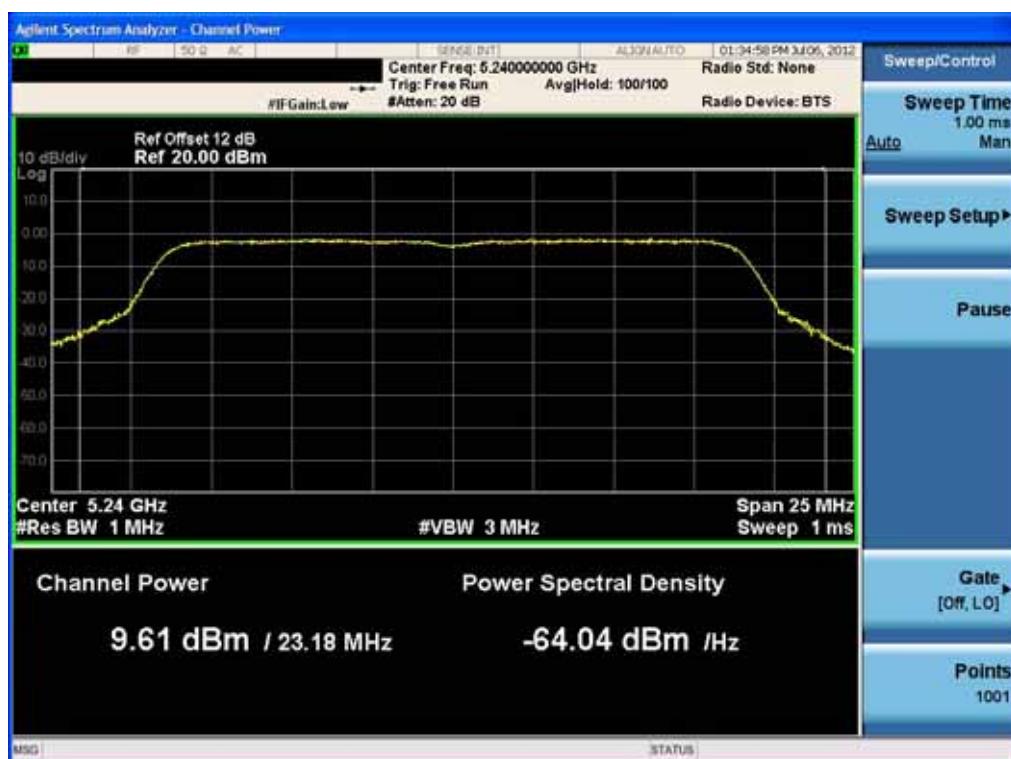


Conducted Output Power (802.11n-CH 48) 13 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 48) 19.5 Mbps



Conducted Output Power (802.11n-CH 48) 26 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 48) 39 Mbps



Conducted Output Power (802.11n-CH 48) 52 Mbps



FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC

Conducted Output Power (802.11n-CH 48) 58.5 Mbps



Conducted Output Power (802.11n-CH 48) 65 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

□ RESULT PLOTS (5260 MHz ~5320 MHz)

Conducted Output Power (802.11n-CH 52) 6.5 Mbps



Conducted Output Power (802.11n-CH 52) 13 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 52) 19.5 Mbps



Conducted Output Power (802.11n-CH 52) 26 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 52) 39 Mbps



Conducted Output Power (802.11n-CH 52) 52 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 52) 58.5 Mbps



Conducted Output Power (802.11n-CH 52) 65 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 60) 6.5 Mbps



Conducted Output Power (802.11n-CH 60) 13 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 60) 19.5 Mbps



Conducted Output Power (802.11n-CH 60) 26 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 60) 39 Mbps



Conducted Output Power (802.11n-CH 60) 52 Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC	FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 60) 58.5 Mbps



Conducted Output Power (802.11n-CH 60) 65 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 64) 6.5 Mbps



Conducted Output Power (802.11n-CH 64) 13 Mbps

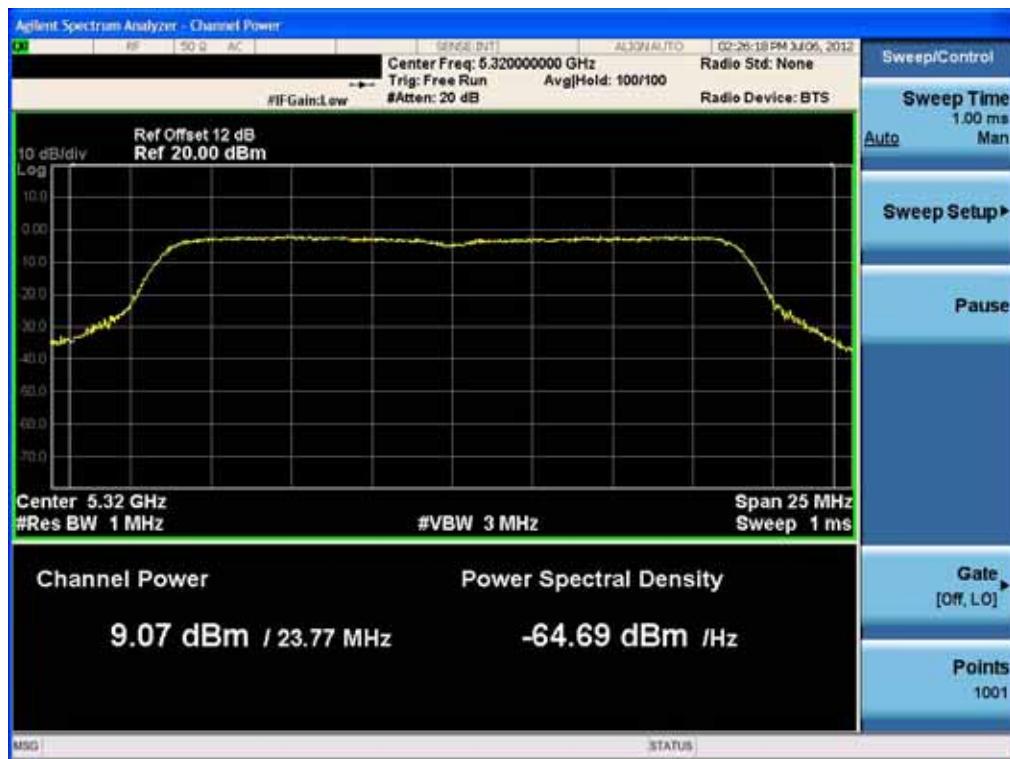


FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 64) 19.5 Mbps



Conducted Output Power (802.11n-CH 64) 26 Mbps

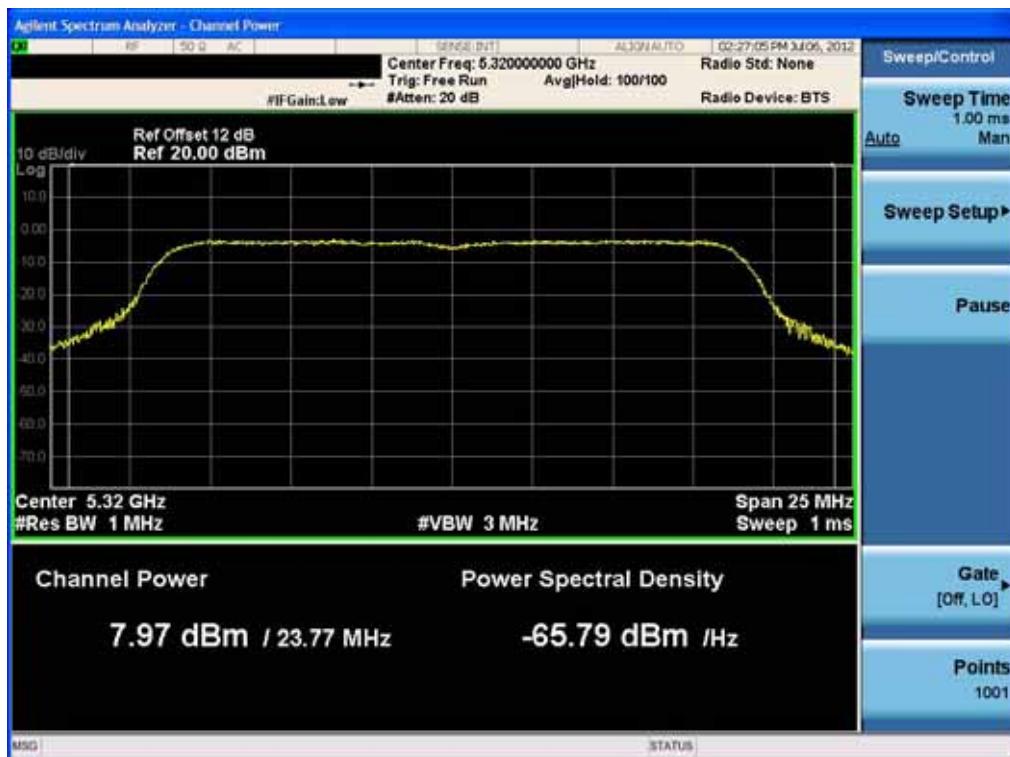


FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 64) 39 Mbps



Conducted Output Power (802.11n-CH 64) 52 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 64) 58.5 Mbps



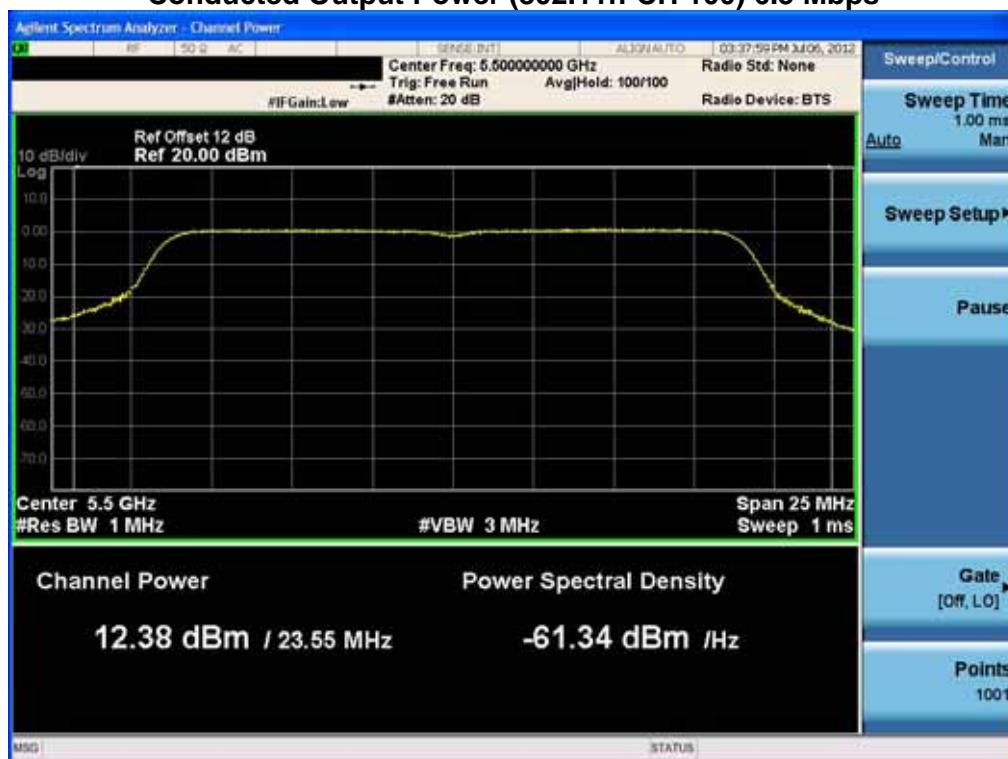
Conducted Output Power (802.11n-CH 64) 65 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

□ RESULT PLOTS (5500 MHz ~5700 MHz)

Conducted Output Power (802.11n-CH 100) 6.5 Mbps



Conducted Output Power (802.11n-CH 100) 13 Mbps

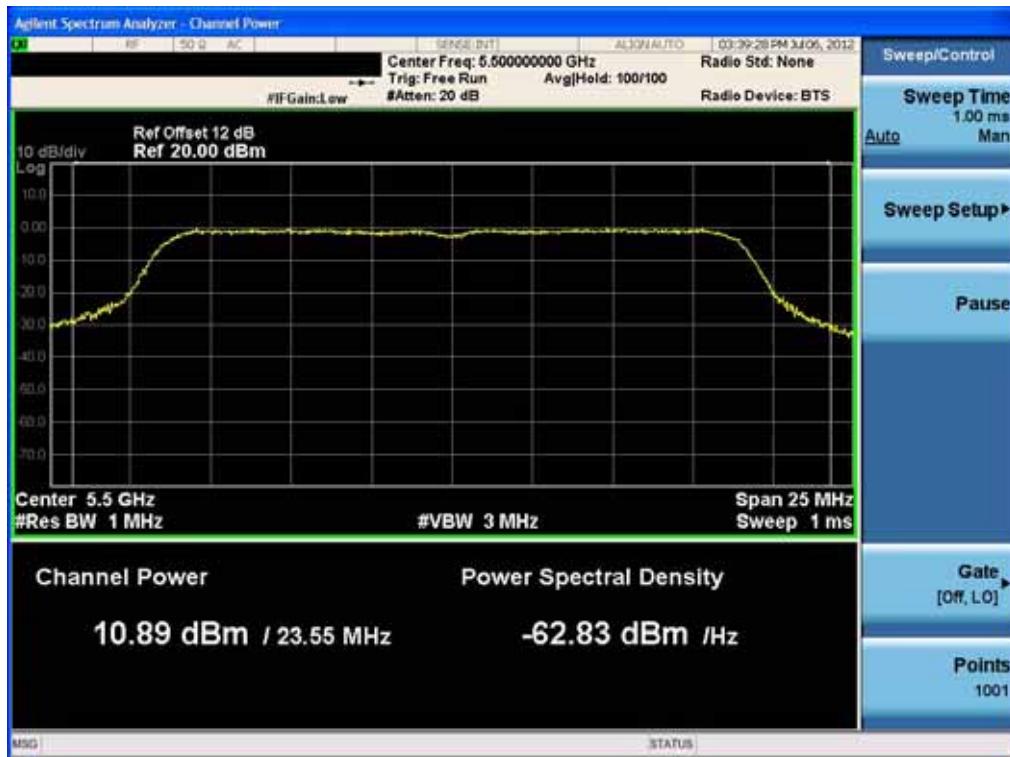


FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 100) 19.5 Mbps



Conducted Output Power (802.11n-CH 100) 26 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 100) 39 Mbps



Conducted Output Power (802.11n-CH 100) 52 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 100) 58.5 Mbps



Conducted Output Power (802.11n-CH 100) 65 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 120) 6.5 Mbps



Conducted Output Power (802.11n-CH 120) 13 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 120) 19.5 Mbps



Conducted Output Power (802.11n-CH 120) 26 Mbps



FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC

Conducted Output Power (802.11n-CH 120) 39 Mbps



Conducted Output Power (802.11n-CH 120) 52 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 120) 58.5 Mbps

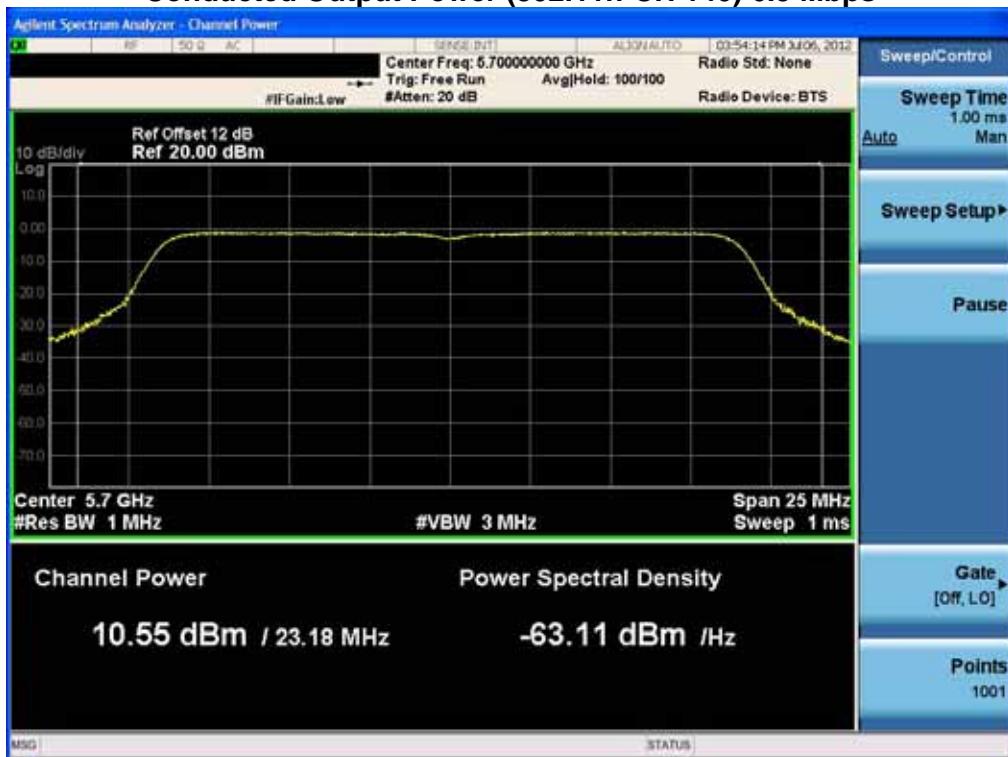


Conducted Output Power (802.11n-CH 120) 65 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 140) 6.5 Mbps



Conducted Output Power (802.11n-CH 140) 13 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 140) 19.5 Mbps



Conducted Output Power (802.11n-CH 140) 26 Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC	FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 140) 39 Mbps



Conducted Output Power (802.11n-CH 140) 52 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV

Conducted Output Power (802.11n-CH 140) 58.5 Mbps



Conducted Output Power (802.11n-CH 140) 65 Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC	FCC ID: JYCPREMIAV

40 MHz BW

□ RESULT PLOTS (5190 MHz ~5230 MHz)

Conducted Output Power (802.11n-CH 36) 13.5 Mbps



Conducted Output Power (802.11n-CH 36) 27 Mbps



FCC PT.15.247 TEST REPORT		FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1207FR14	Date of Issue: July 19, 2012	EUT Type: CDMA/GSM/LTE Phone with BT/WLAN/NFC		FCC ID: JYCPREMIAV