



HCT CO., LTD.

CERTIFICATE OF COMPLIANCE FCC Certification

Applicant Name:
LG Electronics MobileComm U.S.A., Inc.

Date of Issue:
April 16, 2013

Address:
1000 Sylvan Avenue, Englewood Cliffs NJ 07632

Test Site/Location:
HCT CO., LTD., 105-1, Jangam-ri, Majang-Myeon,
Icheon-si, Kyunggi-Do, Korea

Report No.: HCTR1304FR11-1

HCT FRN: 0005866421

FCC ID : ZNFP716

APPLICANT : LG Electronics MobileComm U.S.A., Inc.

FCC Model(s): LG-P716

Additional FCC Model(s): P716, LGP716

EUT Type: Cellular/PCS GSM/GPRS/EDGE Rx only/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN

Max. RF Output Power: Wi-Fi 802.11b(22.61 dBm) / Wi-Fi 802.11g (22.15 dBm)
/ Wi-Fi 802.11n (20.70 dBm)

Frequency Range: 2412 MHz -2462 MHz

Modulation type CCK/DSSS/OFDM

FCC Classification: Digital Transmission System(DTS)

FCC Rule Part(s): Part 15.247

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 1998,21 U.S. C.853(a)

Report prepared by
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Approved by
: Chang Seok Choi
Manager of RF Team

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Version

TEST REPORT NO.	DATE	DESCRIPTION
HCTR1304FR11	April 09, 2013	- First Approval Report
HCTR1304FR11-1	April 16, 2013	- Insert Average Mode for Conducted Average Power

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1. GENERAL INFORMATION

Applicant: LG Electronics MobileComm U.S.A., Inc.
Address: 1000 Sylvan Avenue, Englewood Cliffs NJ 07632
FCC ID: ZNFP716
EUT Type: Cellular/PCS GSM/GPRS/EDGE Rx only/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN
Model name(s): LG-P716
Additional Model name(s): P716, LGP716
Date(s) of Tests: March 23, 2013 ~ March 25, 2013
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	Cellular/PCS GSM/GPRS/EDGE Rx only/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN	
FCC Model Name	LG-P716	
Additional FCC Model Name	P716, LGP716	
Power Supply	DC 3.8 V	
Battery type	Li-ion Battery(Standard)	
Frequency Range	TX: 2412 MHz ~ 2462 MHz RX: 2412 MHz ~ 2462 MHz	
Max. RF Output Power	Peak	Wi-Fi 802.11b(22.61 dBm) / Wi-Fi 802.11g (22.15 dBm) / Wi-Fi 802.11n (20.70 dBm)
	Average	Wi-Fi 802.11b(15.88 dBm) / Wi-Fi 802.11g (13.30 dBm) / Wi-Fi 802.11n (11.73 dBm)
Modulation Type	DSSS/CCK(802.11b), OFDM(802.11g, 802.11n)	
Antenna Specification	Manufacturer: acetechology A Antenna type: Built-in Antenna Peak Gain : -0.21 dBi	

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3. TEST METHODOLOGY

FCC KDB 558074 D01 DTS Meas Guidance v02 dated October 04, 2012 entitled “Guidance for Performing Compliance Measurements on Digital Transmission Systems(DTS) and the measurement procedure described in the American National Standard for Testing Unlicensed Wireless Devices(ANSI C63.4-2003) Operating Under §15.247” 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 13.1.4.1 of ANSI C63.4. (Version :2003) 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 13.1.4.1 of ANSI C63.4. (Version: 2003)

Conducted Antenna Terminal

See Section from 8.1 to 8.4.(KDB 558074)

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.

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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."

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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

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7. SUMMARY TEST OF RESULTS

Test Description	FCC Part Section(s)	Test Limit	Test Condition	Test Result
6 dB Bandwidth	§15.247(a)(2)	> 500 kHz	CONDUCTED	PASS
Conducted Maximum Peak Output Power	§15.247(b)(3)	< 1 Watt		PASS
Power Spectral Density	§15.247(e)	< 8 dBm / 3 kHz Band		PASS
Band Edge(Out of Band Emissions)	§15.247(d)	Conducted < 20 dBc		PASS
AC Power line Conducted Emissions	§15.207	cf. Section 8.6		PASS
Radiated Spurious Emissions	§15.205, 15.209	cf. Section 8.5.1	RADIATED	PASS
Radiated Restricted Band Edge	§15.247(d), 15.205, 15.209	cf. Section 8.5.2		PASS

8. TEST RESULT

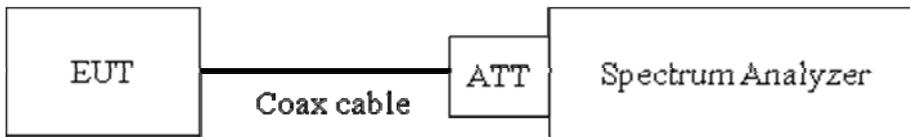
8.1 6dB BANDWIDTH (802.11b/g/n)

Test Requirements and limit, §15.247(a)(2)

The bandwidth at 6dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the receive antenna while the EUT is operating in transmission mode at the appropriate frequencies.

The minimum permissible 6dB bandwidth is 500 kHz.

■ TEST CONFIGURATION



■ TEST PROCEDURE

The transmitter output is connected to the Spectrum Analyzer.

The Spectrum Analyzer is set to (Page 4 in KDB 558074, issued 10/04/2012)

RBW = 1 – 5 % of DTS BW, not to exceed 100 kHz

VBW = 3 * RBW

SPAN = 40 MHz

Detector = Peak

Trace mode = max hold

Sweep = auto couple

Note : We tested 6 dB bandwidth using the automatic bandwidth measurement capability of a spectrum analyzer. X dB is set 6 dB.

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■ TEST RESULTS

Conducted 6dB Bandwidth Measurements for 802.11b

802.11b Mode		Measured Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
Frequency [MHz]	Channel No.			
2412	1	8.583	0.500	Pass
2437	6	8.096	0.500	Pass
2462	11	8.544	0.500	Pass

Conducted 6dB Bandwidth Measurements for 802.11g

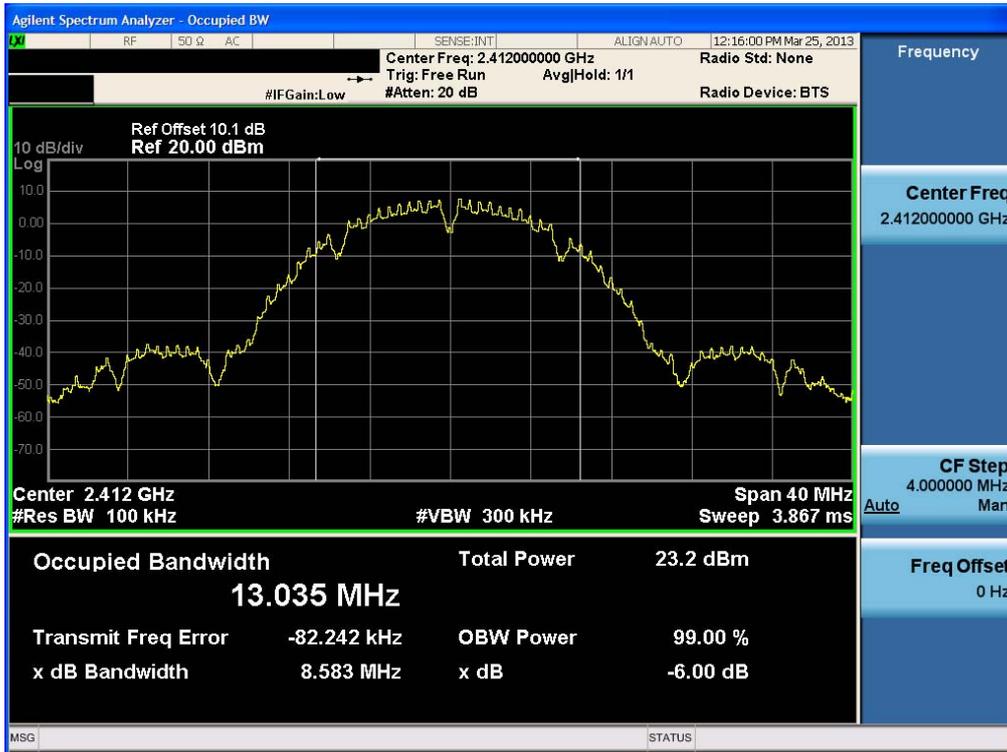
802.11g Mode		Measured Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
Frequency [MHz]	Channel No.			
2412	1	15.560	0.500	Pass
2437	6	16.330	0.500	Pass
2462	11	14.290	0.500	Pass

Conducted 6dB Bandwidth Measurements for 802.11n

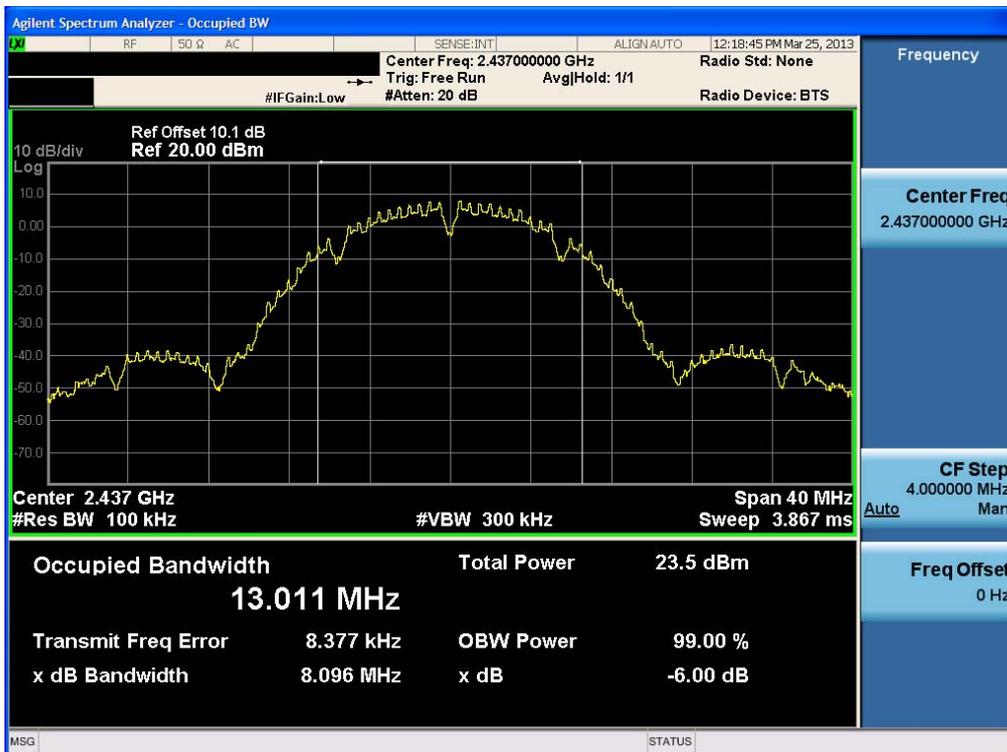
802.11n Mode		Measured Bandwidth [MHz]	Minimum Bandwidth [MHz]	Pass / Fail
Frequency [MHz]	Channel No.			
2412	1	16.160	0.500	Pass
2437	6	17.060	0.500	Pass
2462	11	15.170	0.500	Pass

RESULT PLOTS

6dB Bandwidth plot (802.11b-CH 1)



6dB Bandwidth plot (802.11b-CH 6)

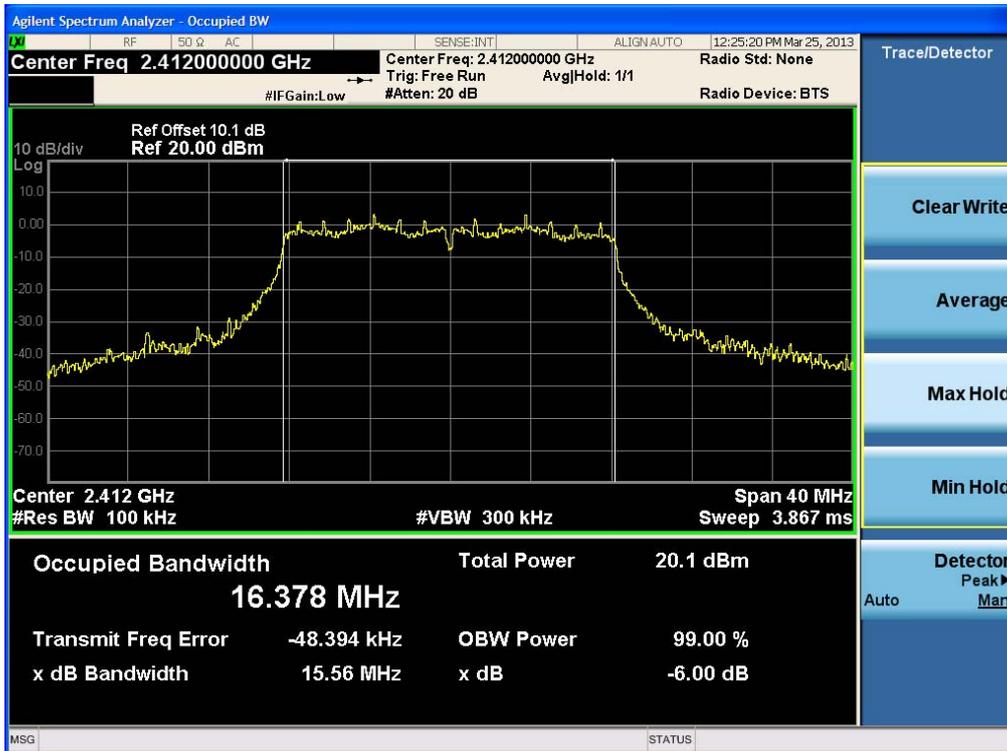


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6dB Bandwidth plot (802.11b-CH 11)

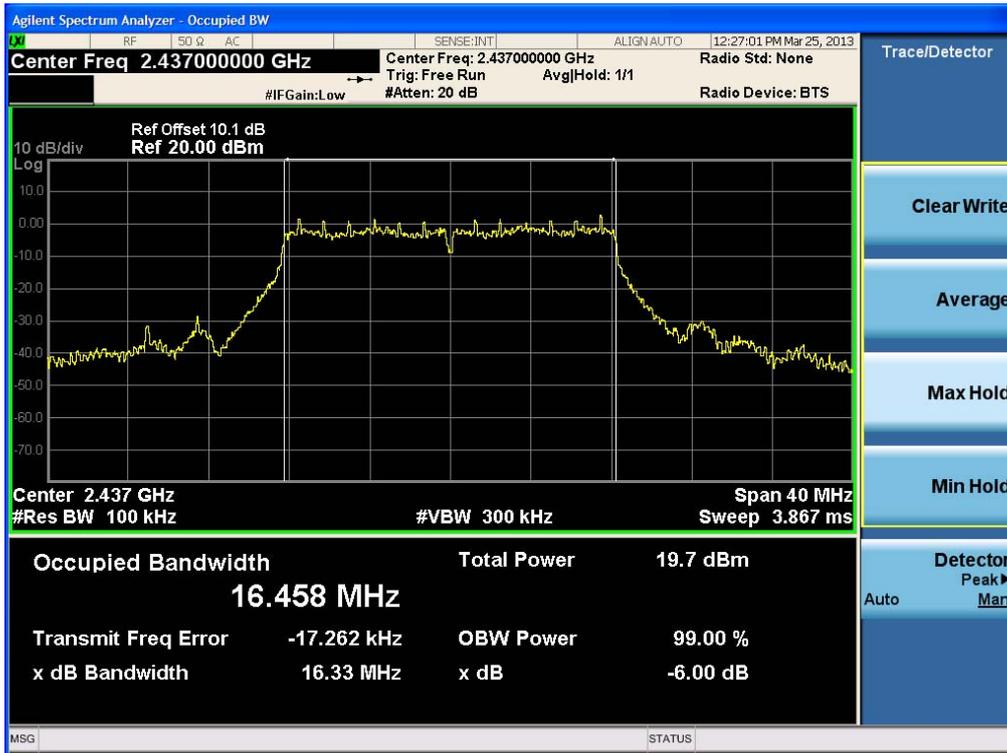


6dB Bandwidth plot (802.11g-CH 1)



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6dB Bandwidth plot (802.11g-CH 6)

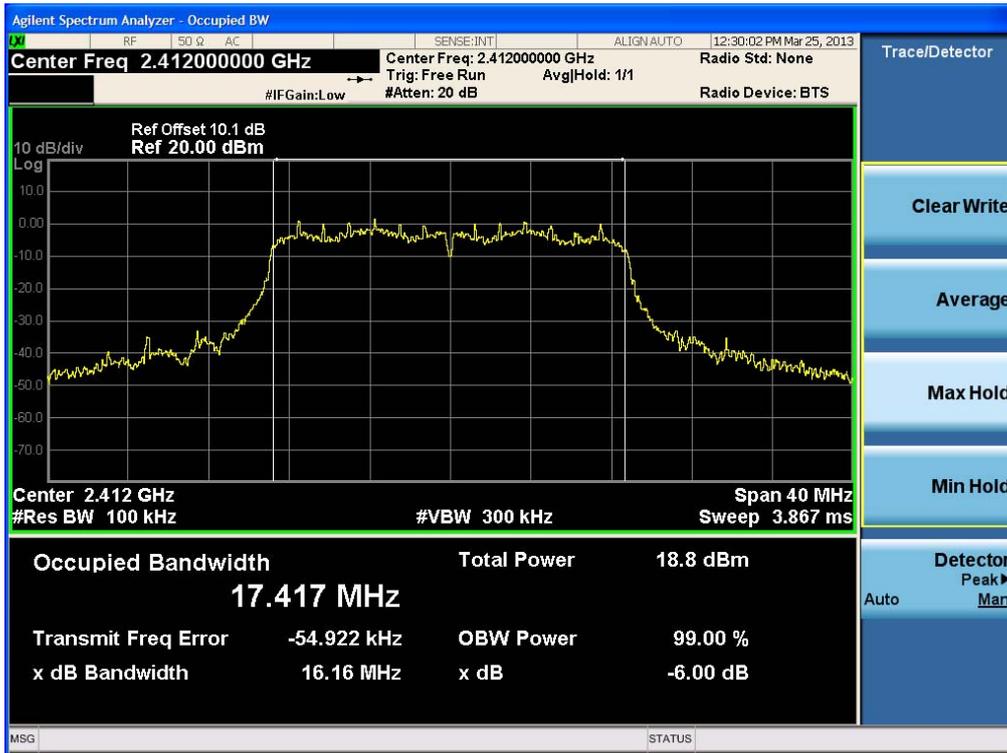


6dB Bandwidth plot (802.11g-CH 11)



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6dB Bandwidth plot (802.11n-CH 1)

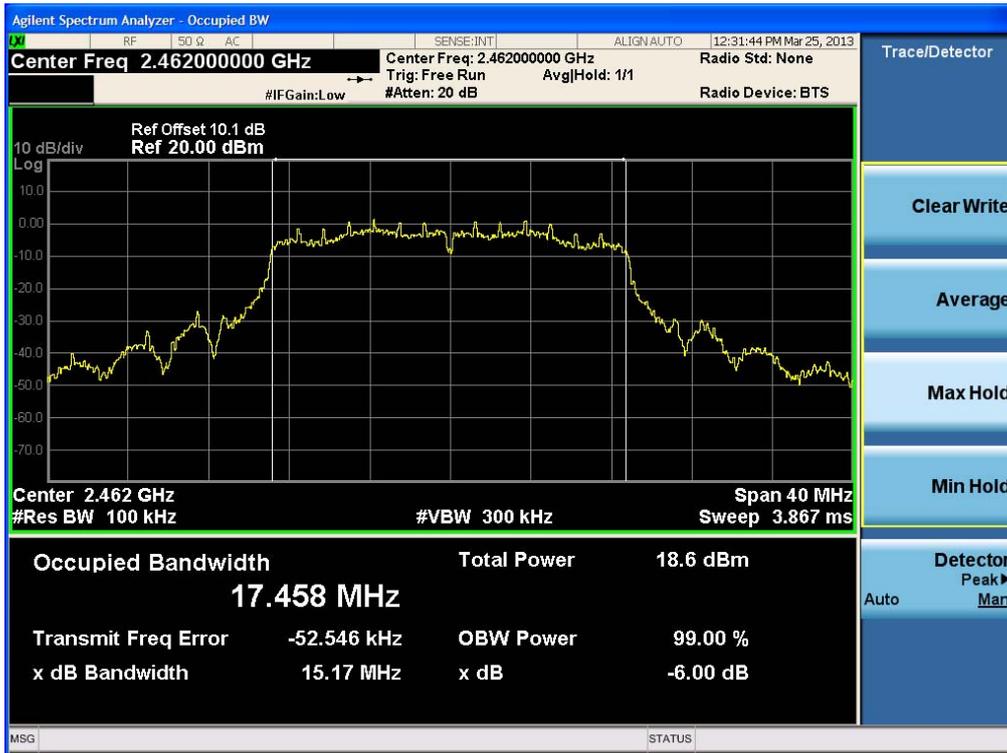


6dB Bandwidth plot (802.11n-CH 6)



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6dB Bandwidth plot (802.11n-CH 11)



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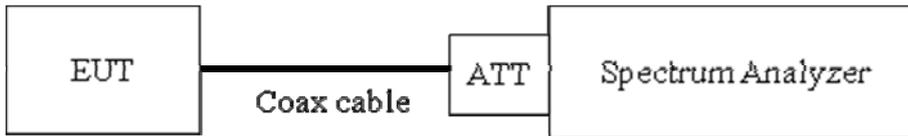
8.2 OUTPUT POWER (802.11b/g/n)

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.

The maximum permissible conducted output power is 1 Watt.

■ TEST CONFIGURATION



■ TEST PROCEDURE

The transmitter output is connected to the Spectrum Analyzer. We use the spectrum analyzer's integrated band power measurement function.

The Spectrum Analyzer is set to

- Peak Power (Procedure 8.1.2 Option2 in KDB 558074, issued 10/04/2012)

RBW = Maximum available (at least 1 MHz)

VBW = 3 x RBW or maximum available setting (must be \geq RBW)

SPAN = Set the span to fully encompass the DTS bandwidth

Detector Mode = Peak

Sweep = auto couple

Trace Mode = max hold

Allow trace to fully stabilize.

Use the spectrum analyzer's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some analyzers, this may require a manual override to ensure use of peak detector). If the spectrum analyzer does not have a band power function, sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the DTS channel bandwidth.

- Average Power (Procedure 8.2.1 Option1 in KDB 558074, issued 10/04/2012)

RBW = 1 MHz

VBW \geq 3 MHz

SPAN = Set the analyzer span to a minimum of 1.5 times the EBW

Ensure that the number of measurement points in the sweep \geq 2 x span/RBW

Average mode = Power average(RMS averaging mode)

Detector Mode = Power average (RMS) or sample detector when RMS not available

Sweep = auto couple

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

Use the spectrum analyzer's band power measurement function with band limits set equal to the EBW band edges.

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■ **Sample Calculation**

$$\begin{aligned} \text{Output Power} &= \text{Reading Value} + \text{ATT loss} + \text{Cable loss}(1 \text{ ea}) \\ &= 10 \text{ dBm} + 10 \text{ dB} + 0.8 \text{ dB} = 20.8 \text{ dBm} \end{aligned}$$

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 range that was rounded off to the closest tenth dB. Actual value of loss for the attenuator and cable combination is below table.
So, 10.1 dB is offset. And the offset gap in the 2.4 GHz range do not affect the conducted peak power final result.

Band	Frequency(MHz)	Loss(dB)
2.4 GHz	2412	10.11
	2437	10.10
	2462	10.12

(Actual value of loss for the attenuator and cable combination)

■ Duty Cycle Factor

Mode	Data Rate	T _{on} (ms)	T _{total} (ms)	Duty Cycle	Duty Cycle Factor
b	1 Mbps	12.42	12.52	0.992	0.034827330
	2 Mbps	6.30	6.40	0.984	0.068394245
	5.5 Mbps	2.42	2.52	0.960	0.175851748
	11 Mbps	1.30	1.40	0.929	0.321846834
g	6 Mbps	2.06	2.16	0.954	0.205865308
	9 Mbps	1.38	1.48	0.932	0.303826290
	12 Mbps	1.04	1.14	0.912	0.398715120
	18 Mbps	0.70	0.82	0.854	0.687158124
	24 Mbps	0.50	0.62	0.806	0.934216852
	36 Mbps	0.34	0.46	0.739	1.312789146
	48 Mbps	0.26	0.38	0.684	1.648102486
	54 Mbps	0.24	0.34	0.706	1.512676753
n	6.5 Mbps	1.92	2.02	0.950	0.220501407
	13 Mbps	1.90	2.00	0.950	0.222763947
	19.5 Mbps	0.98	1.08	0.907	0.421976798
	26 Mbps	0.64	0.76	0.842	0.746336183
	39 Mbps	0.50	0.60	0.833	0.791812460
	52 Mbps	0.34	0.46	0.739	1.312789146
	58.5 Mbps	0.26	0.36	0.722	1.413291528
	65 Mbps	0.24	0.34	0.706	1.512676753

Note : Duty Cycle Factor = $10 \cdot \log(1/\text{Duty Cycle})$

where, Duty Cycle = T_{on} / T_{total}

■ TEST RESULTS-Peak

Conducted Output Power Measurements (802.11b Mode)

802.11b Mode		Rate (Mbps)	Measured Power(dBm)	Limit (dBm)
Frequency[MHz]	Channel No.			
2412	1	1 Mbps	18.69	30
		2 Mbps	18.78	30
		5.5 Mbps	20.38	30
		11 Mbps	22.10	30
2437	6	1 Mbps	18.98	30
		2 Mbps	19.26	30
		5.5 Mbps	20.82	30
		11 Mbps	22.61	30
2462	11	1 Mbps	22.46	30
		2 Mbps	19.18	30
		5.5 Mbps	20.71	30
		11 Mbps	22.34	30

Conducted Output Power Measurements (802.11g Mode)

802.11g Mode		Rate (Mbps)	Measured Power(dBm)	Limit (dBm)
Frequency[MHz]	Channel No.			
2412	1	6 Mbps	21.35	30
		9 Mbps	21.49	30
		12 Mbps	21.41	30
		18 Mbps	21.86	30
		24 Mbps	22.15	30
		36 Mbps	22.05	30
		48 Mbps	21.70	30
		54 Mbps	22.15	30
2437	6	6 Mbps	21.08	30
		9 Mbps	20.45	30
		12 Mbps	21.05	30
		18 Mbps	20.84	30
		24 Mbps	21.49	30
		36 Mbps	20.89	30
		48 Mbps	21.64	30
		54 Mbps	21.54	30
2462	11	6 Mbps	20.92	30
		9 Mbps	20.82	30
		12 Mbps	21.98	30
		18 Mbps	21.71	30
		24 Mbps	21.76	30
		36 Mbps	21.46	30
		48 Mbps	21.96	30
		54 Mbps	21.40	30

Conducted Output Power Measurements (802.11n Mode)

802.11n Mode		Rate (Mbps)	Measured Power(dBm)	Limit (dBm)
Frequency[MHz]	Channel No.			
2412	1	6.5 Mbps	20.00	30
		13 Mbps	19.75	30
		19.5 Mbps	20.14	30
		26 Mbps	20.46	30
		39 Mbps	20.62	30
		52 Mbps	20.60	30
		58.5 Mbps	20.25	30
		65 Mbps	20.17	30
2437	6	6.5 Mbps	20.19	30
		13 Mbps	19.65	30
		19.5 Mbps	19.81	30
		26 Mbps	20.35	30
		39 Mbps	20.24	30
		52 Mbps	20.66	30
		58.5 Mbps	20.57	30
		65 Mbps	20.70	30
2462	11	6.5 Mbps	19.52	30
		13 Mbps	19.35	30
		19.5 Mbps	19.67	30
		26 Mbps	19.86	30
		39 Mbps	19.89	30
		52 Mbps	20.12	30
		58.5 Mbps	20.05	30
		65 Mbps	20.06	30

■ TEST RESULTS-Average

Conducted Output Power Measurements (802.11b Mode)

802.11b Mode		Rate (Mbps)	Measured Power(dBm)	Duty Cycle Factor	Measured Power(dBm) + Duty Cycle Factor	Limit (dBm)
Frequency [MHz]	Channel No.					
2412	1	1 Mbps	15.38	0.03	15.41	30
		2 Mbps	15.26	0.07	15.33	30
		5.5 Mbps	15.31	0.18	15.49	30
		11 Mbps	14.99	0.32	15.31	30
2437	6	1 Mbps	15.68	0.03	15.71	30
		2 Mbps	15.66	0.07	15.73	30
		5.5 Mbps	15.70	0.18	15.88	30
		11 Mbps	15.56	0.32	15.88	30
2462	11	1 Mbps	15.64	0.03	15.67	30
		2 Mbps	15.57	0.07	15.64	30
		5.5 Mbps	15.68	0.18	15.86	30
		11 Mbps	15.43	0.32	15.75	30

Conducted Output Power Measurements (802.11g Mode)

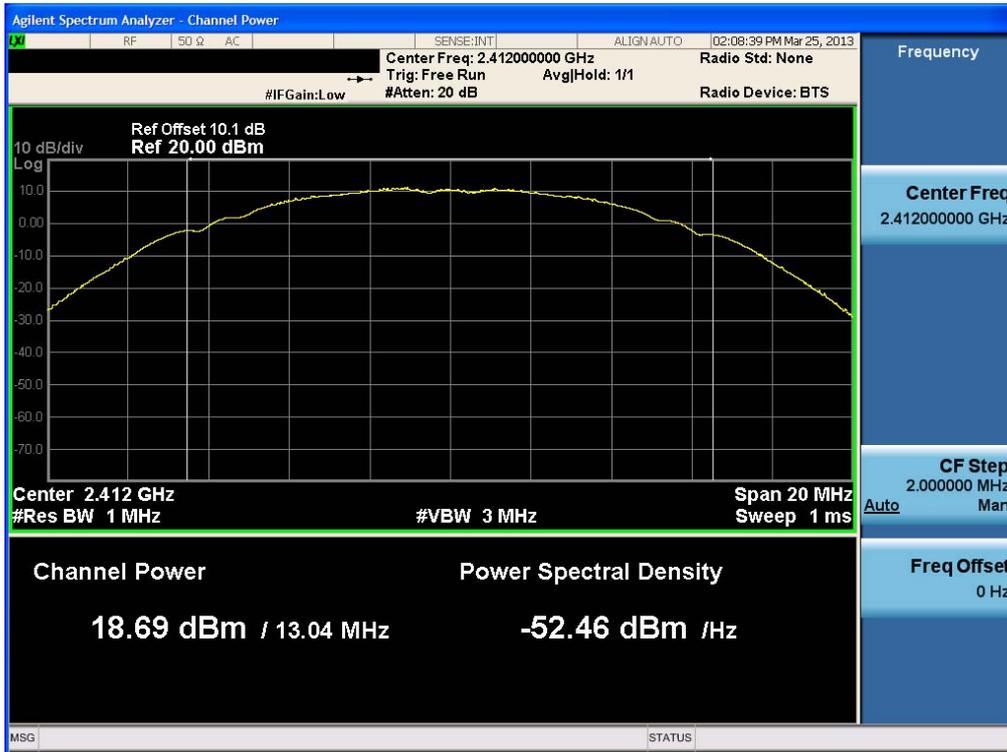
802.11g Mode		Rate (Mbps)	Measured Power(dBm)	Duty Cycle Factor	Measured Power(dBm) + Duty Cycle Factor	Limit (dBm)
Frequency [MHz]	Channel No.					
2412	1	6 Mbps	13.09	0.21	13.30	30
		9 Mbps	12.63	0.30	12.93	30
		12 Mbps	12.52	0.40	12.92	30
		18 Mbps	12.41	0.69	13.10	30
		24 Mbps	12.19	0.93	13.12	30
		36 Mbps	11.88	1.31	13.19	30
		48 Mbps	11.41	1.65	13.06	30
		54 Mbps	10.97	1.51	12.48	30
2437	6	6 Mbps	12.30	0.21	12.51	30
		9 Mbps	12.02	0.30	12.32	30
		12 Mbps	12.04	0.40	12.44	30
		18 Mbps	11.34	0.69	12.03	30
		24 Mbps	11.64	0.93	12.57	30
		36 Mbps	10.90	1.31	12.21	30
		48 Mbps	10.98	1.65	12.63	30
		54 Mbps	10.79	1.51	12.30	30
2462	11	6 Mbps	12.75	0.21	12.96	30
		9 Mbps	12.00	0.30	12.30	30
		12 Mbps	12.02	0.40	12.42	30
		18 Mbps	12.19	0.69	12.88	30
		24 Mbps	12.14	0.93	13.07	30
		36 Mbps	11.74	1.31	13.05	30
		48 Mbps	11.31	1.65	12.96	30
		54 Mbps	11.29	1.51	12.80	30

Conducted Output Power Measurements (802.11n Mode)

802.11n Mode		Rate (Mbps)	Measured Power(dBm)	Duty Cycle Factor	Measured Power(dBm) + Duty Cycle Factor	Limit (dBm)
Frequency [MHz]	Channel No.					
2412	1	6.5 Mbps	11.13	0.22	11.35	30
		13 Mbps	11.12	0.22	11.34	30
		19.5 Mbps	11.05	0.42	11.47	30
		26 Mbps	10.66	0.75	11.41	30
		39 Mbps	10.94	0.79	11.73	30
		52 Mbps	10.41	1.31	11.72	30
		58.5 Mbps	9.73	1.41	11.14	30
		65 Mbps	9.82	1.51	11.33	30
2437	6	6.5 Mbps	11.05	0.22	11.27	30
		13 Mbps	11.43	0.22	11.65	30
		19.5 Mbps	10.84	0.42	11.26	30
		26 Mbps	10.56	0.75	11.31	30
		39 Mbps	10.85	0.79	11.64	30
		52 Mbps	9.92	1.31	11.23	30
		58.5 Mbps	10.09	1.41	11.50	30
		65 Mbps	9.98	1.51	11.49	30
2462	11	6.5 Mbps	10.83	0.22	11.05	30
		13 Mbps	10.68	0.22	10.90	30
		19.5 Mbps	10.45	0.42	10.87	30
		26 Mbps	10.45	0.75	11.20	30
		39 Mbps	10.23	0.79	11.02	30
		52 Mbps	9.73	1.31	11.04	30
		58.5 Mbps	9.32	1.41	10.73	30
		65 Mbps	9.26	1.51	10.77	30

RESULT PLOTS-Peak

Conducted Output Power (802.11b-CH 1) 1Mbps



Conducted Output Power (802.11b-CH 1) 2Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1304FR11-1	Date of Issue: April 16, 2013	EUT Type: Cellular/PCS GSM/GPRS/EDGE Rx only/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN	FCC ID: ZNFP716

Conducted Output Power (802.11b-CH 1) 5.5Mbps

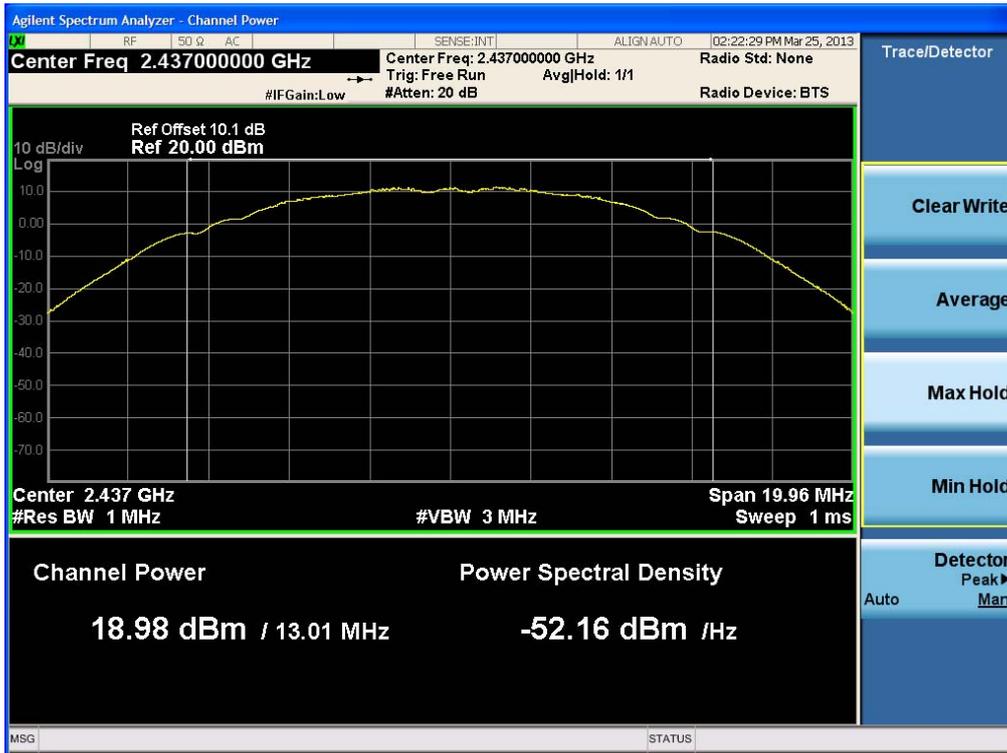


Conducted Output Power (802.11b-CH 1) 11Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1304FR11-1	Date of Issue: April 16, 2013	EUT Type: Cellular/PCS GSM/GPRS/EDGE Rx only/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN	FCC ID: ZNFP716

Conducted Output Power (802.11b-CH 6) 1Mbps



Conducted Output Power (802.11b-CH 6) 2Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1304FR11-1	Date of Issue: April 16, 2013	EUT Type: Cellular/PCS GSM/GPRS/EDGE Rx only/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN	FCC ID: ZNFP716

Conducted Output Power (802.11b-CH 6) 5.5Mbps



Conducted Output Power (802.11b-CH 6) 11Mbps

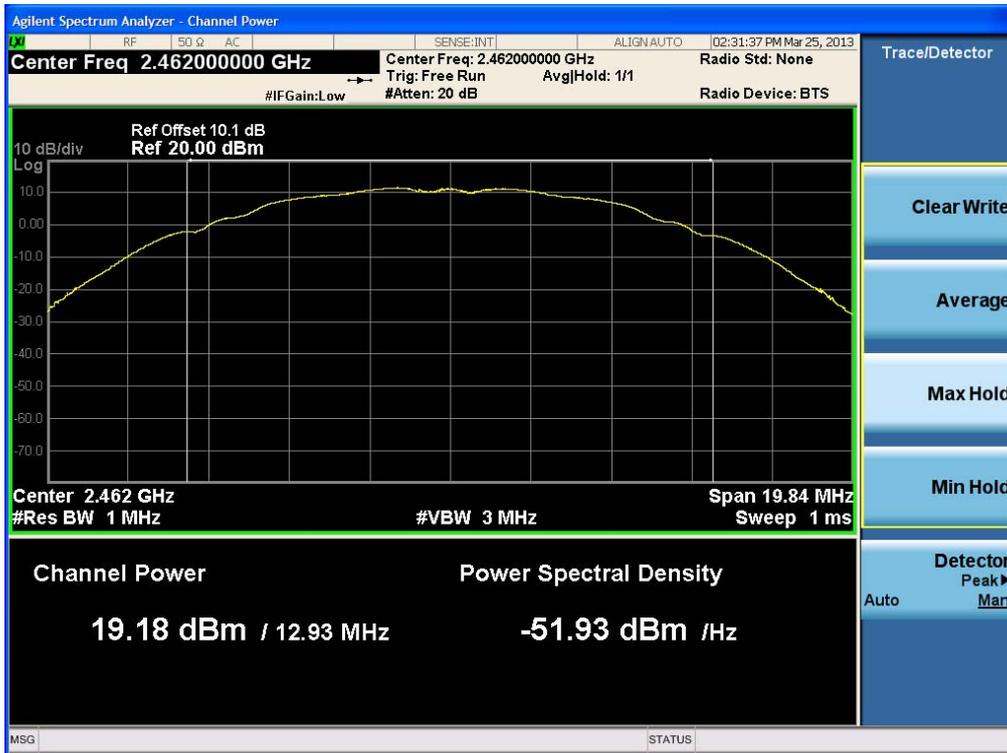


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1304FR11-1	Date of Issue: April 16, 2013	EUT Type: Cellular/PCS GSM/GPRS/EDGE Rx only/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN	FCC ID: ZNFP716

Conducted Output Power (802.11b-CH 11) 1Mbps



Conducted Output Power (802.11b-CH 11) 2Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1304FR11-1	Date of Issue: April 16, 2013	EUT Type: Cellular/PCS GSM/GPRS/EDGE Rx only/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN	FCC ID: ZNFP716

Conducted Output Power (802.11b-CH 11) 5.5Mbps



Conducted Output Power (802.11b-CH 11) 11Mbps



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Test Report No. HCTR1304FR11-1	Date of Issue: April 16, 2013	EUT Type: Cellular/PCS GSM/GPRS/EDGE Rx only/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN	FCC ID: ZNFP716