

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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 5 6 of 151



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
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HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 5 7 of 151



Conducted Output Power (802.11a-CH 116) 6 Mbps



Conducted Output Power (802.11a-CH 116) 9 Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
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HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 5 8 of 151



Conducted Output Power (802.11a-CH 116) 12 Mbps



Conducted Output Power (802.11a-CH 116) 18 Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 5 9 of 151



Conducted Output Power (802.11a-CH 116) 24 Mbps



Conducted Output Power (802.11a-CH 116) 36 Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 6 0 of 151



Conducted Output Power (802.11a-CH 116) 48 Mbps



Conducted Output Power (802.11a-CH 116) 54 Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 6 1 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 6 2 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 6 3 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 6 4 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 6 5 of 151



■ 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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 6 6 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 6 7 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 6 8 of 151



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



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



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 6 9 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 7 0 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 7 1 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 7 2 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 7 3 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895



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



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



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Test Report No.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 7 5 of 151



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



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



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 7 6 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 7 7 of 151



■ 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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 7 8 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 7 9 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 8 0 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 8 1 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 8 2 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 8 3 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 8 4 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 8 5 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 8 6 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 8 7 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 8 8 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 8 9 of 151



■ 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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 9 1 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 9 2 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 9 3 of 151



Conducted Output Power (802.11n-CH 116) 6.5 Mbps



Conducted Output Power (802.11n-CH 116) 13 Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 9 4 of 151



Conducted Output Power (802.11n-CH 116) 19.5 Mbps



Conducted Output Power (802.11n-CH 116) 26 Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 9 5 of 151



Conducted Output Power (802.11n-CH 116) 39 Mbps



Conducted Output Power (802.11n-CH 116) 52 Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 9 6 of 151



Conducted Output Power (802.11n-CH 116) 58.5 Mbps



Conducted Output Power (802.11n-CH 116) 65 Mbps



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 9 7 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 9 8 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

Page 9 9 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	71.	

Page 1 0 0 of 151



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.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895

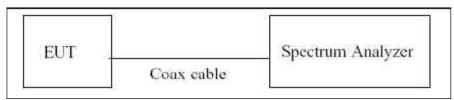
Page 1 0 1 of 151



8.3 POWER SPECTRAL DENSITY

The peak power density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating in transmission mode at the appropriate frequencies. The maximum permissible peak power spectral density is 4 dBm/ MHz in the 5.15 GHz – 5.25 GHz band and 11 dBm/ MHz in the 5.25 GHz – 5.35 GHz and 5.47 GHz – 5.725 GHz bands

■ TEST CONFIGURATION



TEST PROCEDURE

The spectrum analyzer is set to:

RBW = 1 MHz

VBW = 3 MHz

SPAN = to encompass the entire EBW of the signal

Sweep Time = auto

Sweep Point = 601

Detector Mode = Average

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

Sample Calculation

Note:

- 1. Spectrum reading values are not plot data. The PSD 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 5.2 GHz, 5.3 GHz and 5.6 GHz range that was rounded off to the closest tenth dB. Actual value of loss for the attenuator and cable combination is below table.

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895



Band	Frequency(MHz)	Loss(dB)
	5180	10.26
UNII 1	5200	10.18
	5240	10.19
	5260	10.18
UNII 2	5300	10.14
	5320	10.09
	5500	10.20
UNII 3	5580	10.24
	5700	10.40

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

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No.	Date of Issue:	EUT Type:	FCC ID:
HCTR1208FR22	August 16, 2012	Cellular/PCS GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA Phone with Bluetooth/WLAN/NFC	ZNFP895