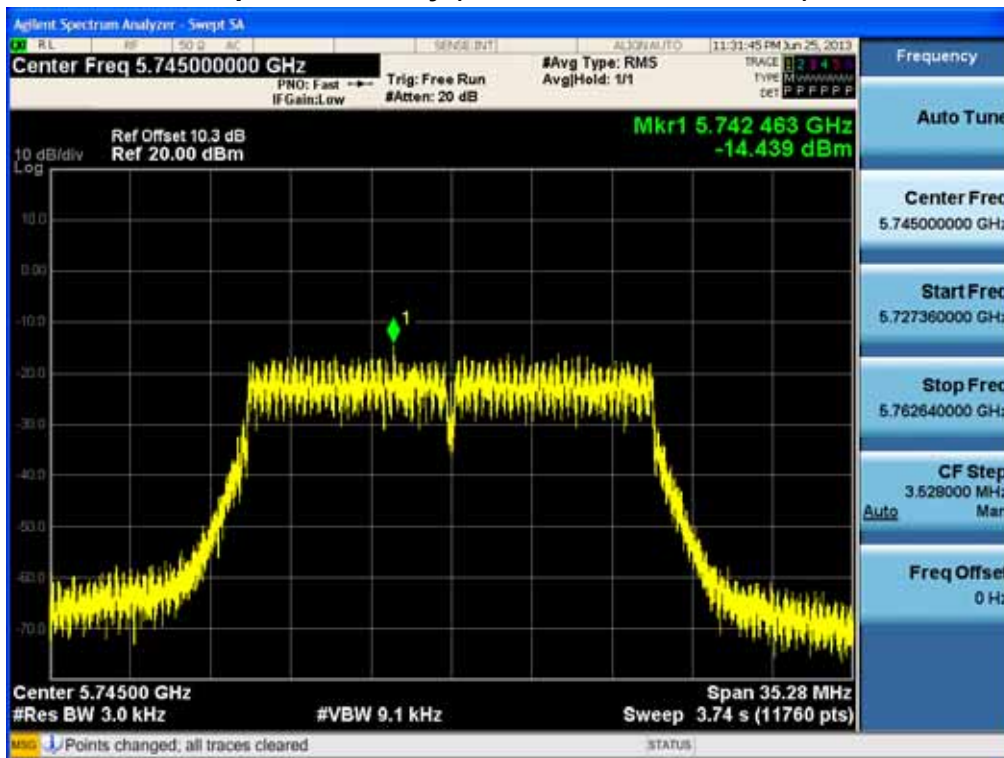
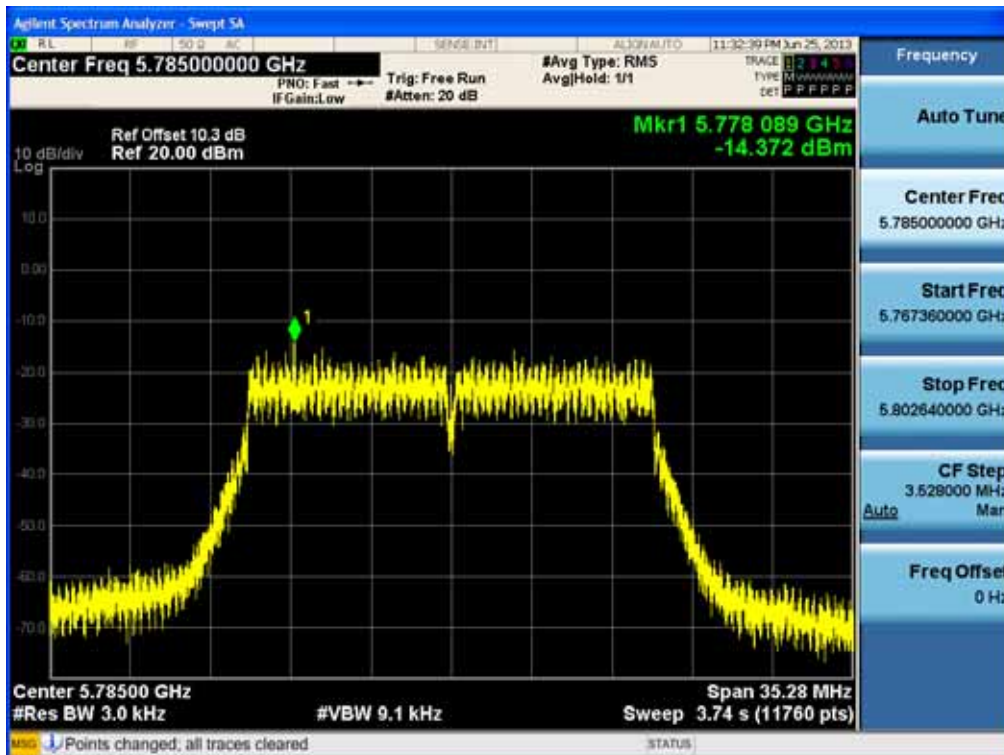


Power Spectral Density (802.11ac 20 MHz CH 149) 5 GHz

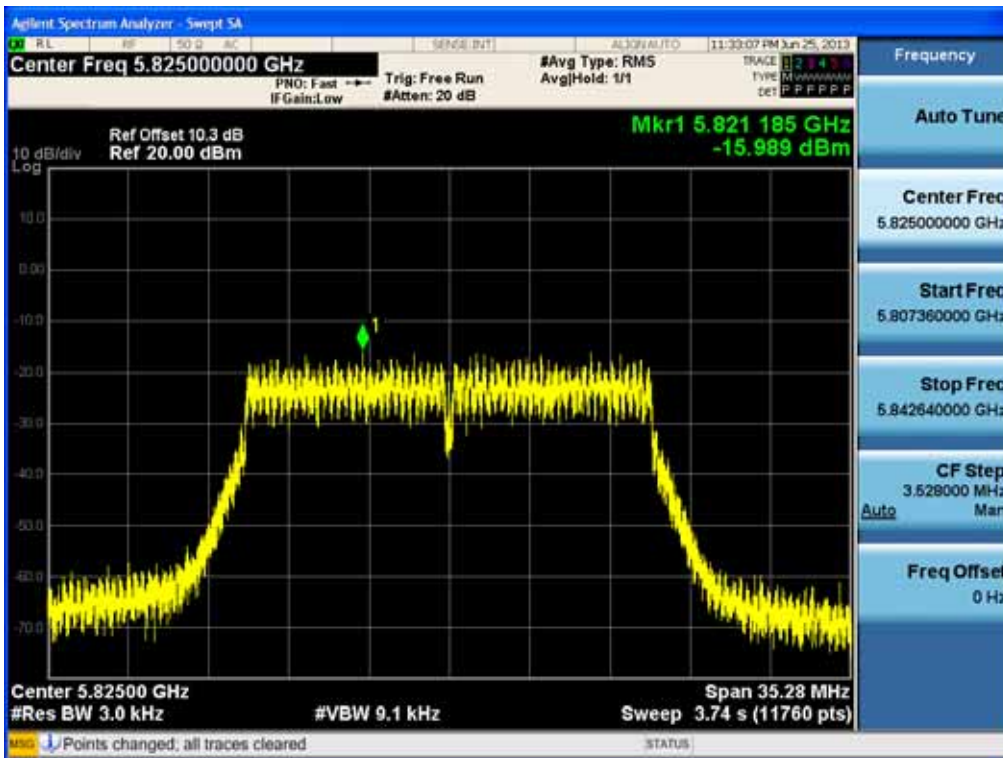


Power Spectral Density (802.11ac 20 MHz CH 157) 5 GHz

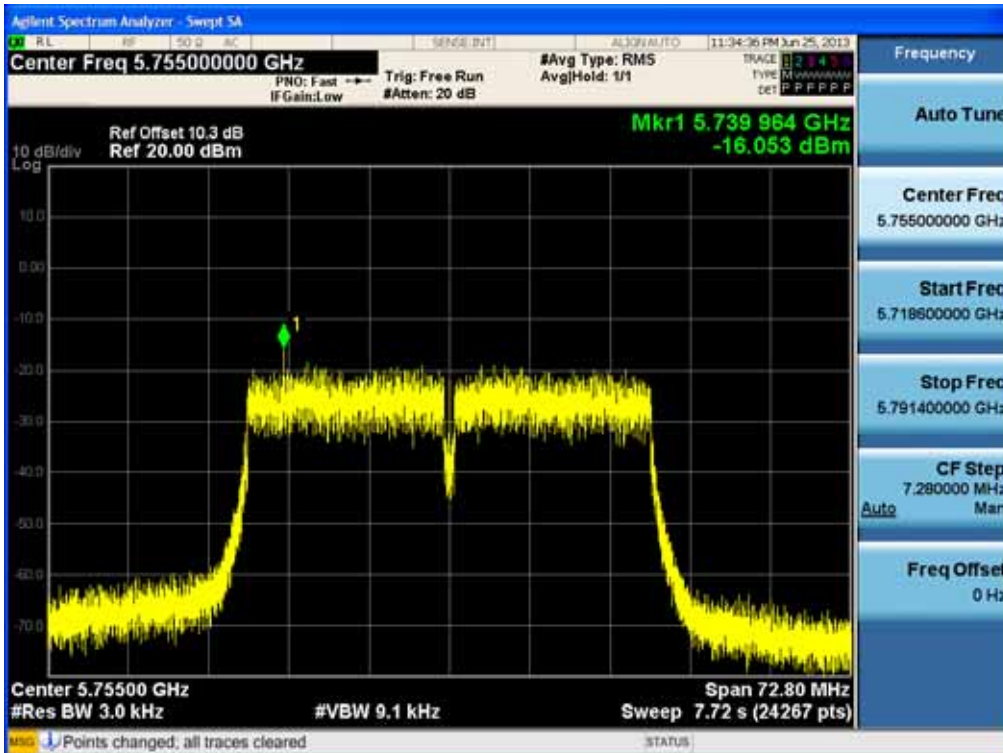


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Power Spectral Density (802.11ac 20 MHz CH 165) 5 GHz

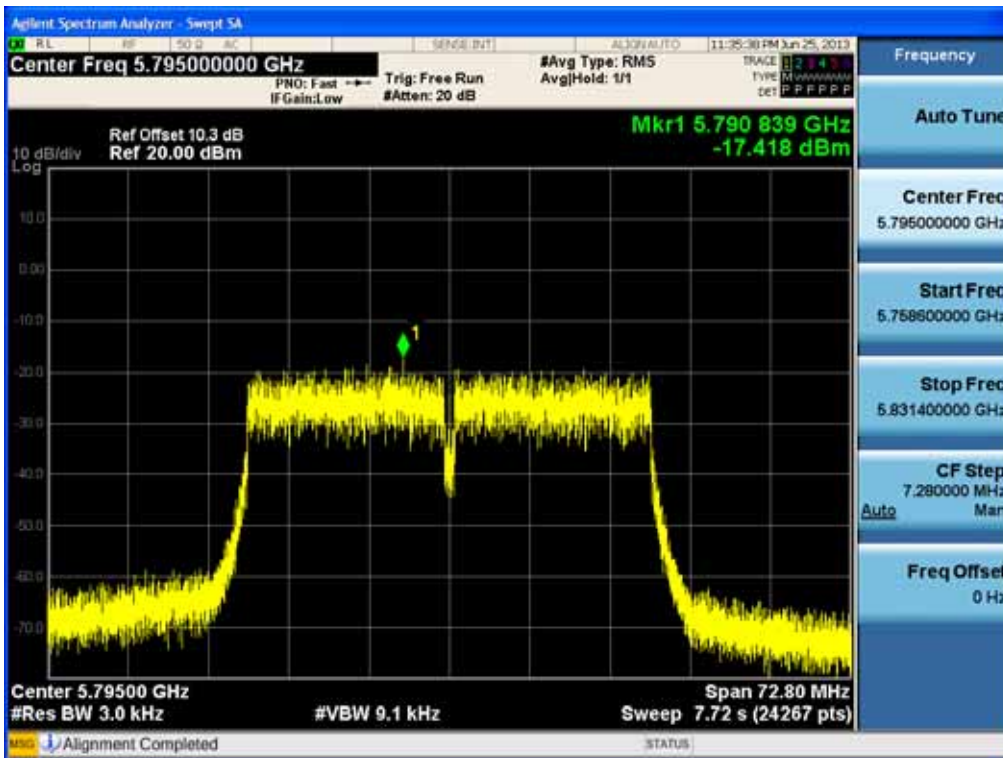


Power Spectral Density (802.11ac 40 MHz CH 151) 5 GHz

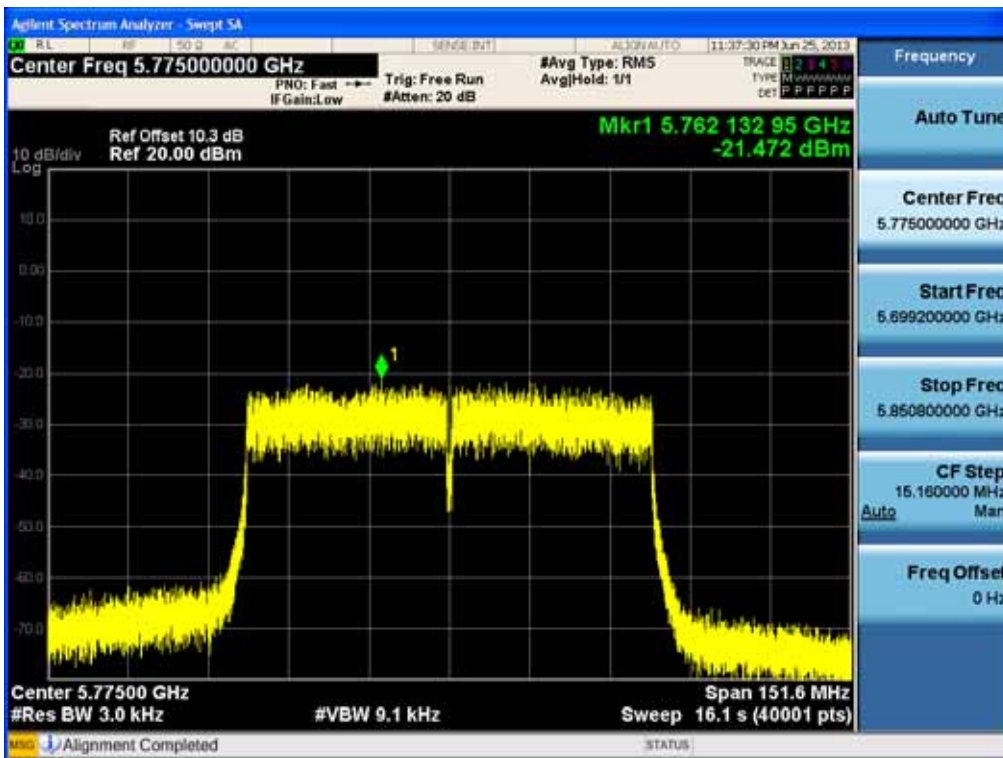


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Power Spectral Density (802.11ac 40 MHz CH 159) 5 GHz



Power Spectral Density (802.11ac 80 MHz CH 155) 5 GHz



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

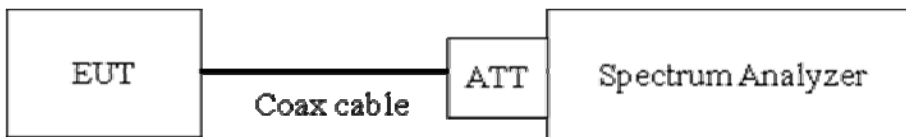
8.5 OUT OF BAND EMISSIONS AT THE BAND EDGE/ CONDUCTED SPURIOUS EMISSIONS

Test Requirements and limit, §15.247(d)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Limit : 20 dBc

TEST CONFIGURATION



TEST PROCEDURE

The transmitter output is connected to the spectrum analyzer. (Procedure 11.0 in KDB 558074, issued 04/09/2013)

RBW = 100 kHz(Upon 1 GHz = 1 MHz).

VBW ≥ 3 x RBW(Upon 1 GHz = 3 MHz).

Set span to encompass the spectrum to be examined

Detector = Peak

Trace Mode = max hold

Sweep time = auto couple

Ensure that the number of measurement points ≥ Span/RBW

Allow trace to fully stabilize.

Use peak marker function to determine the maximum amplitude level.

Measurements are made over the 30 MHz to 10th harmonic range with the transmitter set to the lowest, middle, and highest channels.

Note :

1. The band edge 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 5.8 GHz range that was rounded off to the closest tenth dB. So,

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10.2 dB is offset for 2.4 GHz Band and 10.3 dB is offset for 5.8 GHz Band.
 Actual value of loss for the attenuator and cable combination is below table.

Band	Frequency(MHz)	Loss(dB)
2.4 GHz	2412	10.21
	2437	10.24
	2462	10.24
5.8 GHz	5745	10.31
	5755	10.30
	5785	10.29
	5795	10.26
	5825	10.28

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

4. In case of conducted spurious emissions test, please check factors below table.

FACTORS FOR FREQUENCY

Freq(MHz)	Factor(dB)
30	9.95
100	10.01
200	10.03
300	10.04
400	10.05
500	10.04
600	10.03
700	10.09
800	10.10
900	10.08
1000	10.11
2000	10.25
2400*	10.19
2500*	10.26
3000	10.27
4000	10.22
5000	10.48
5700*	10.42
5800*	10.48
6000	10.48
7000	10.57

8000	10.45
9000	10.50
10000	10.64
11000	10.69
12000	10.75
13000	10.92
14000	11.90
15000	11.00
16000	11.03
17000	10.93
18000	10.96
19000	10.85
20000	12.11
21000	11.17
22000	10.99
23000	11.12
24000	11.10
25000	11.42
26000	11.28
27000	10.83
28000	11.03
29000	10.99
30000	12.08
31000	10.99
32000	11.32
33000	11.33
34000	12.62
35000	14.85
36000	14.78
37000	15.73
38000	15.81
39000	13.47
40000	14.89

Note : 1. '**' is fundamental frequency range.
 2. Factor = Cable loss + Attenuator loss

RESULT PLOTS

BandEdge (802.11b-CH1)

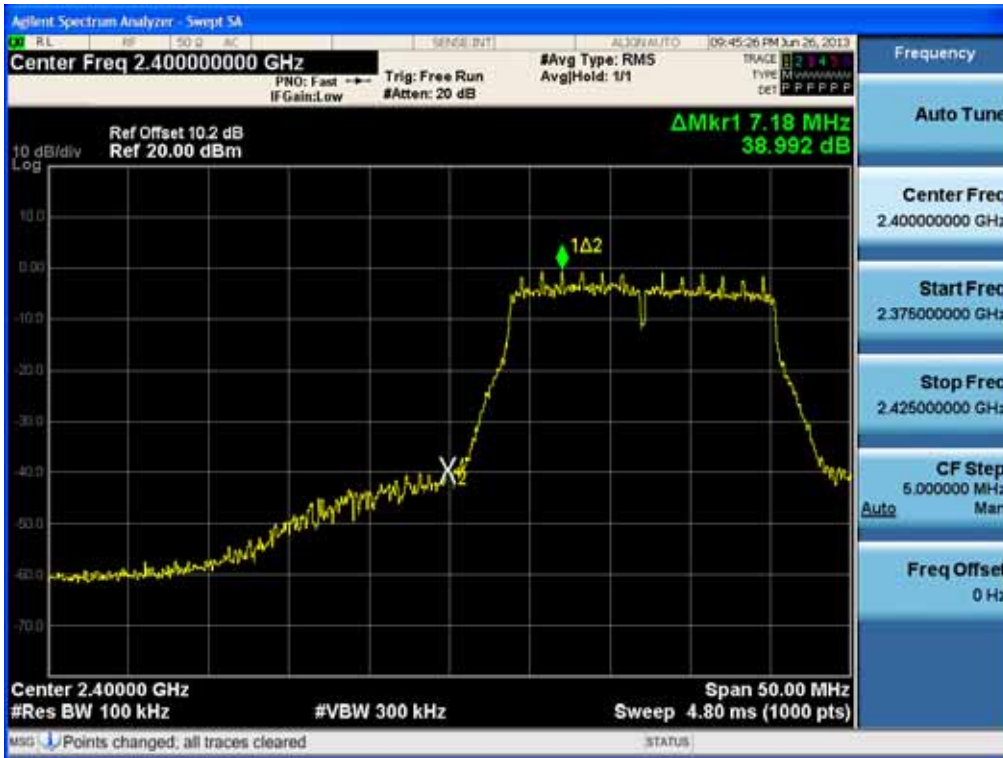


BandEdge (802.11b-CH11)

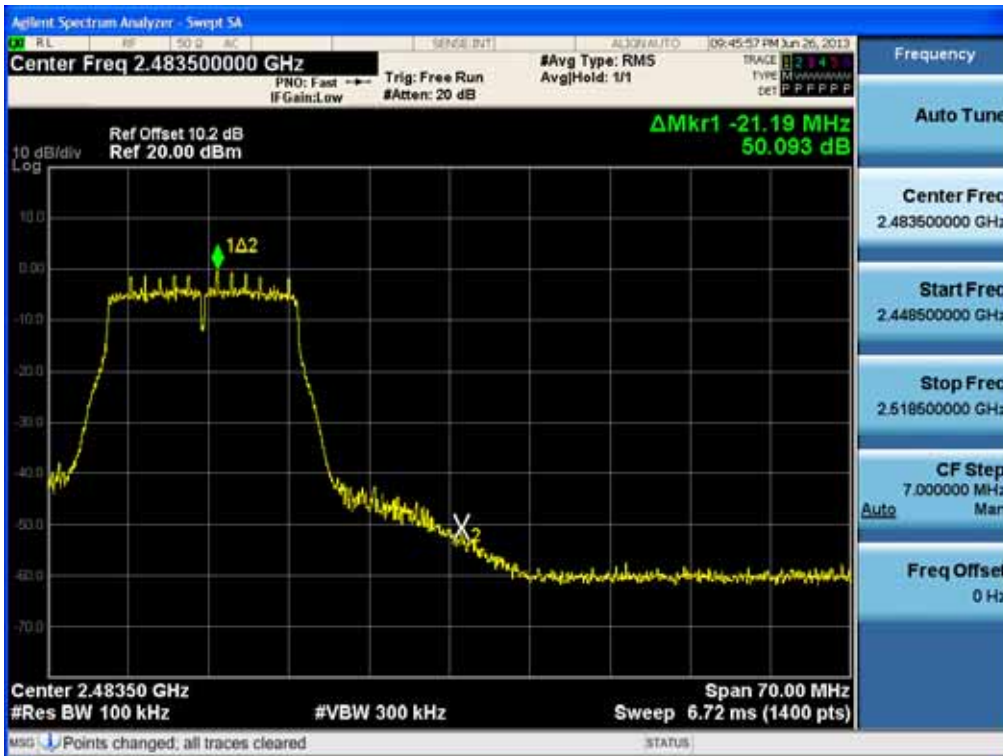


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

BandEdge (802.11g-CH1)

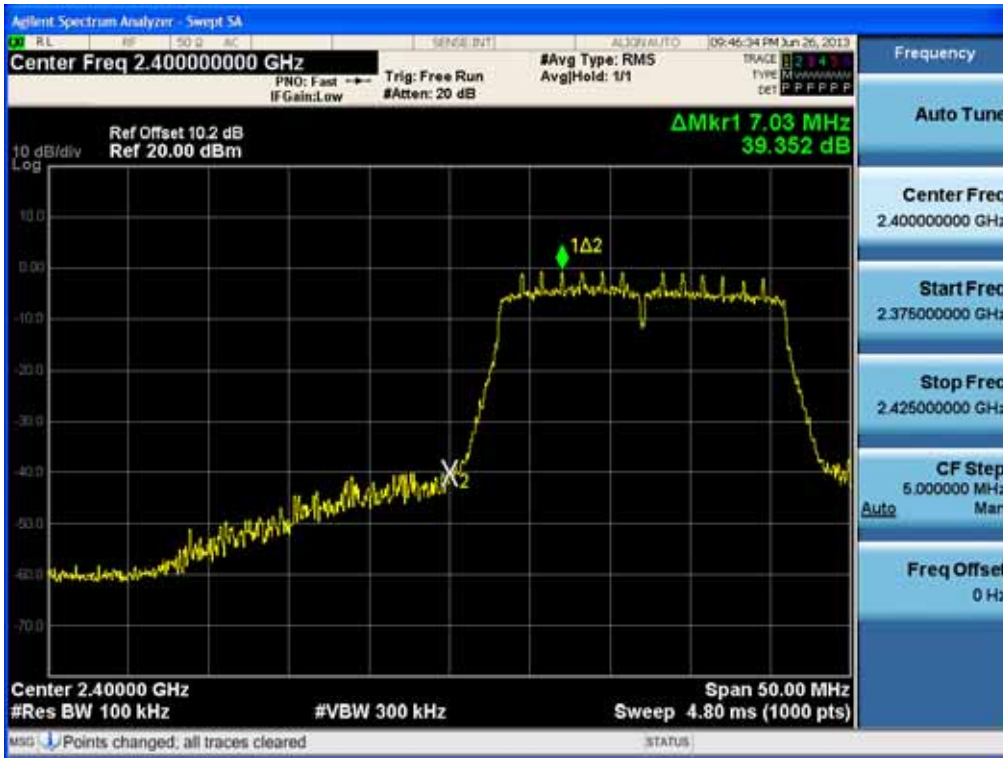


BandEdge (802.11g-CH11)

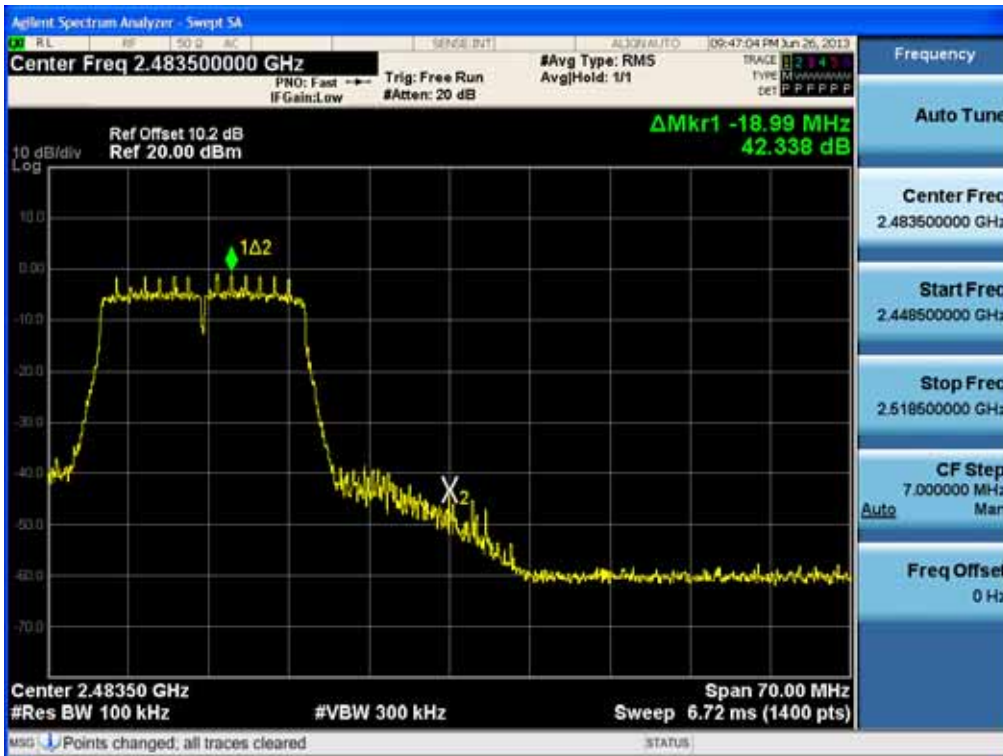


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

BandEdge (802.11n-CH1)

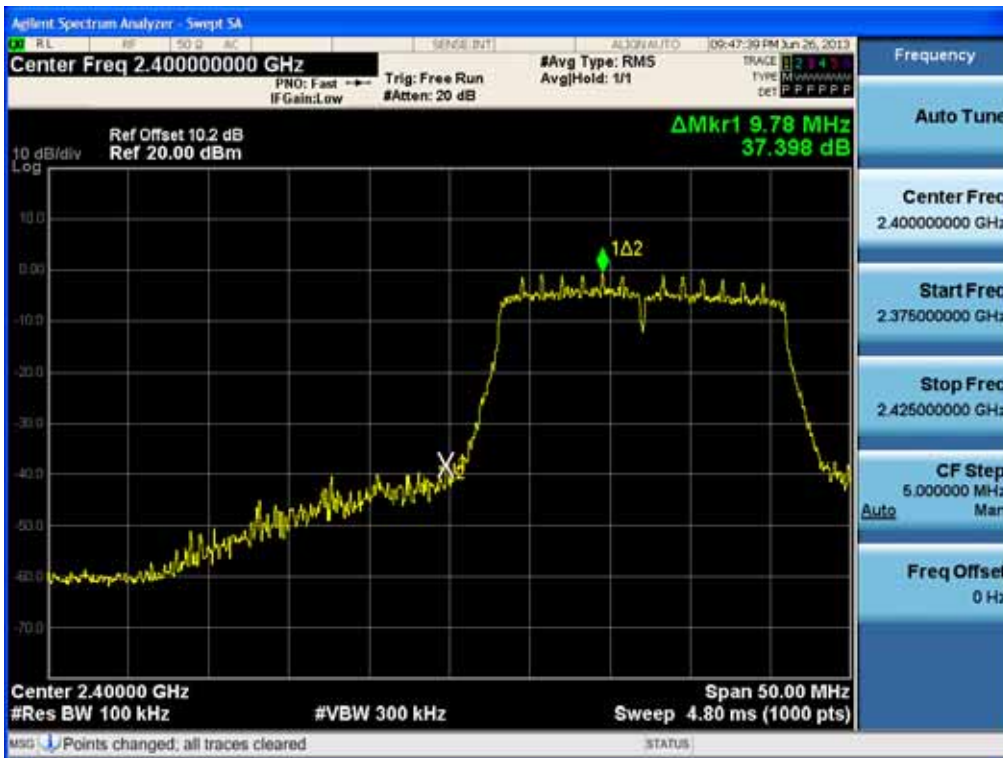


BandEdge (802.11n-CH11)

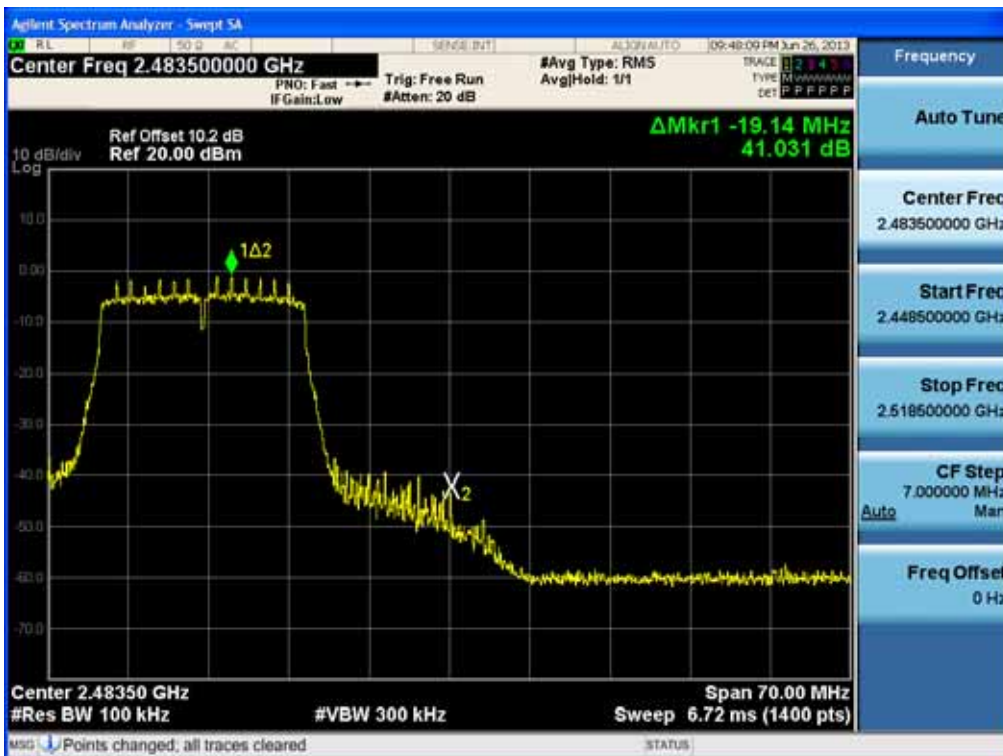


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

BandEdge (802.11ac-CH1)



BandEdge (802.11ac-CH11)

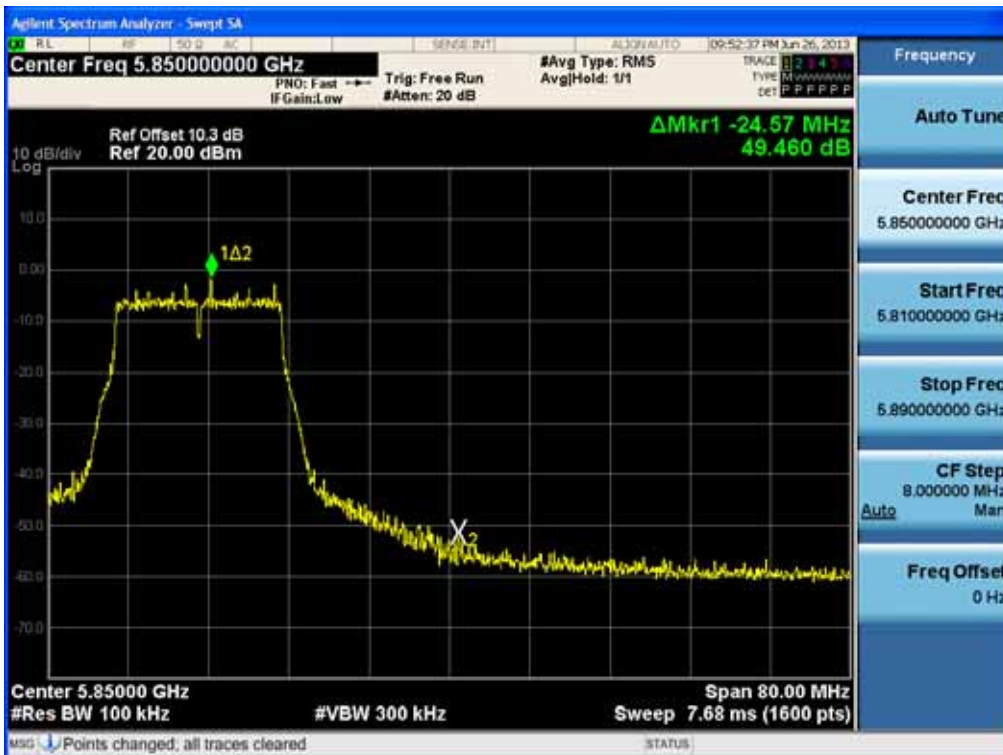


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

BandEdge (802.11a-CH 149)

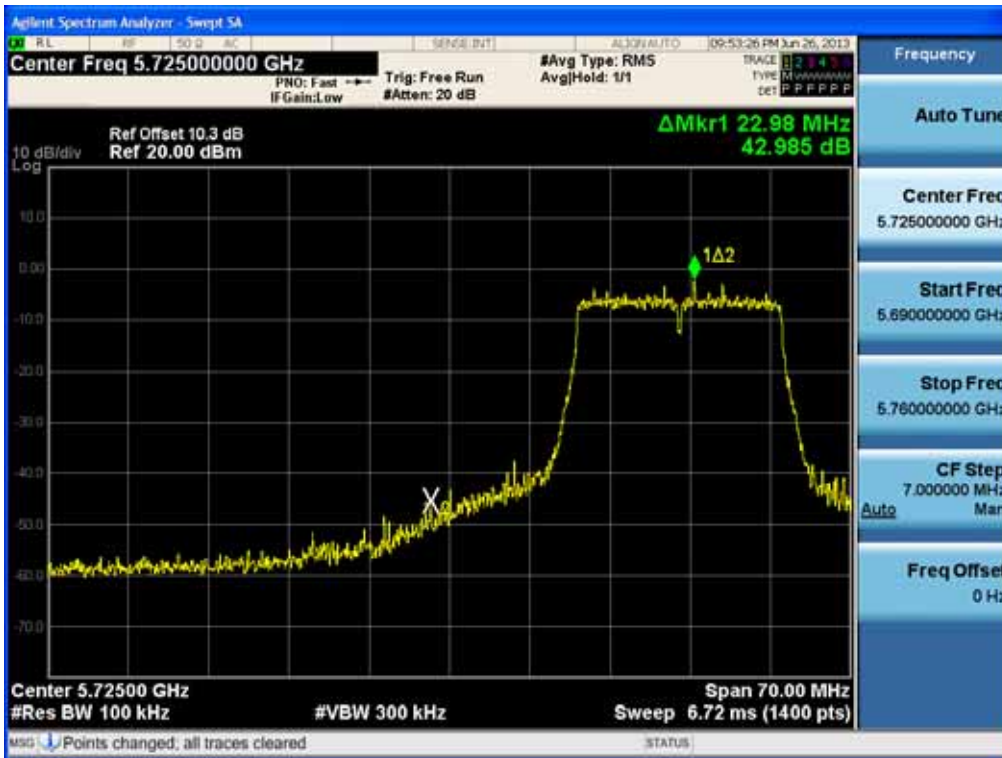


BandEdge (802.11a-CH 165)

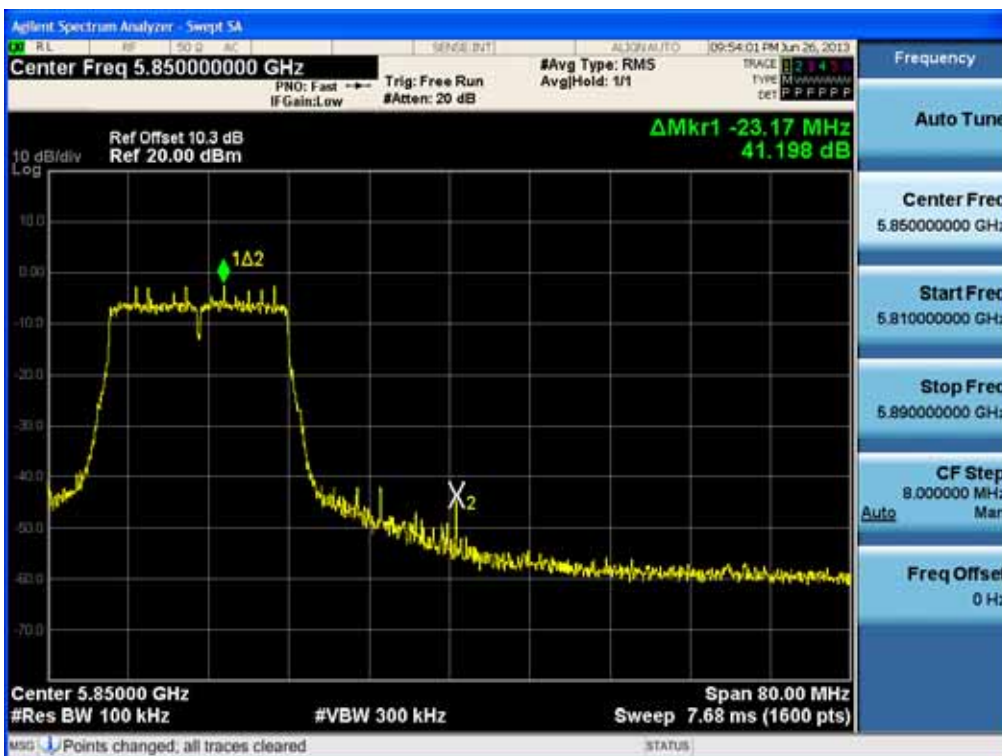


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

BandEdge (802.11n-CH 149)



BandEdge (802.11n-CH 165)

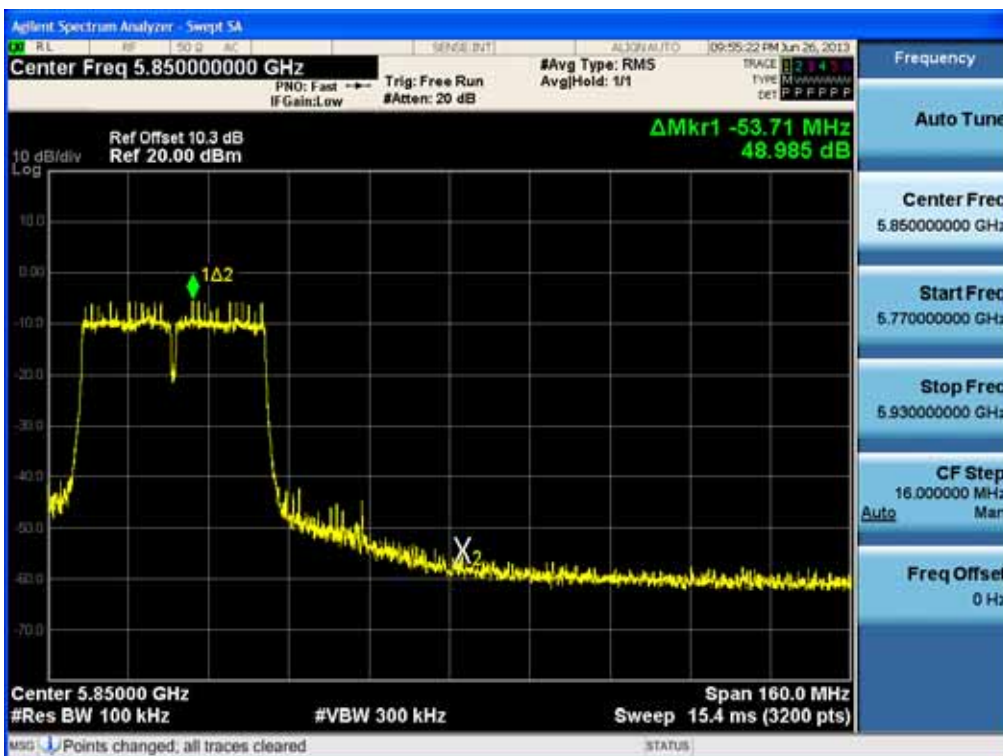


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

BandEdge (802.11n-CH 151)



BandEdge (802.11n-CH 159)

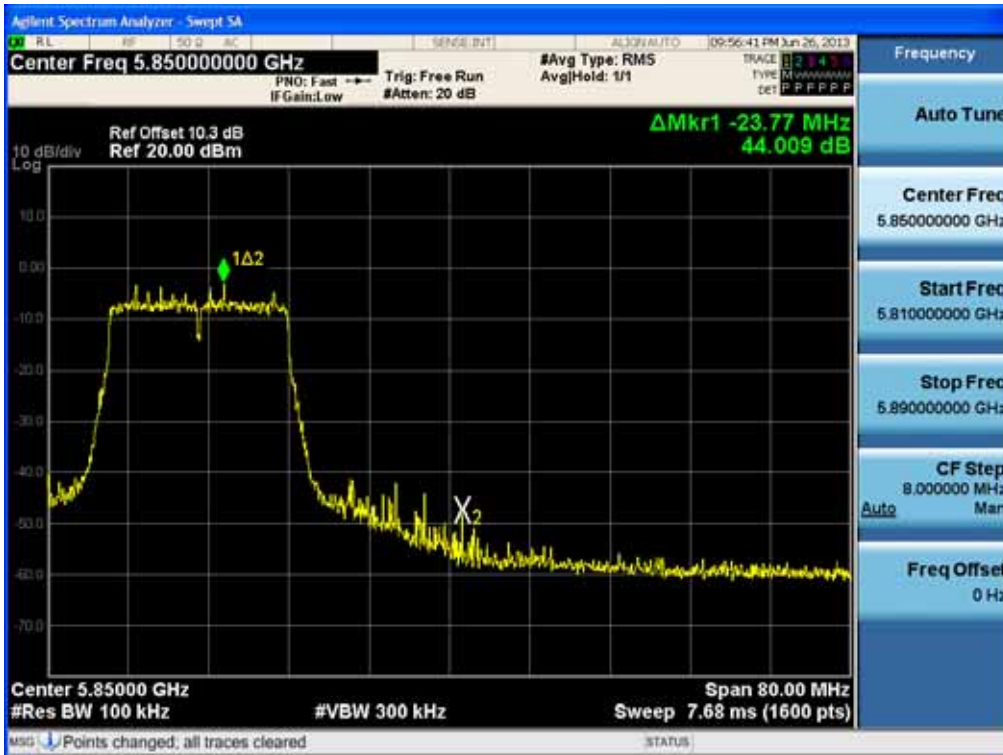


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

BandEdge (802.11ac-CH 149) 20 MHz BW

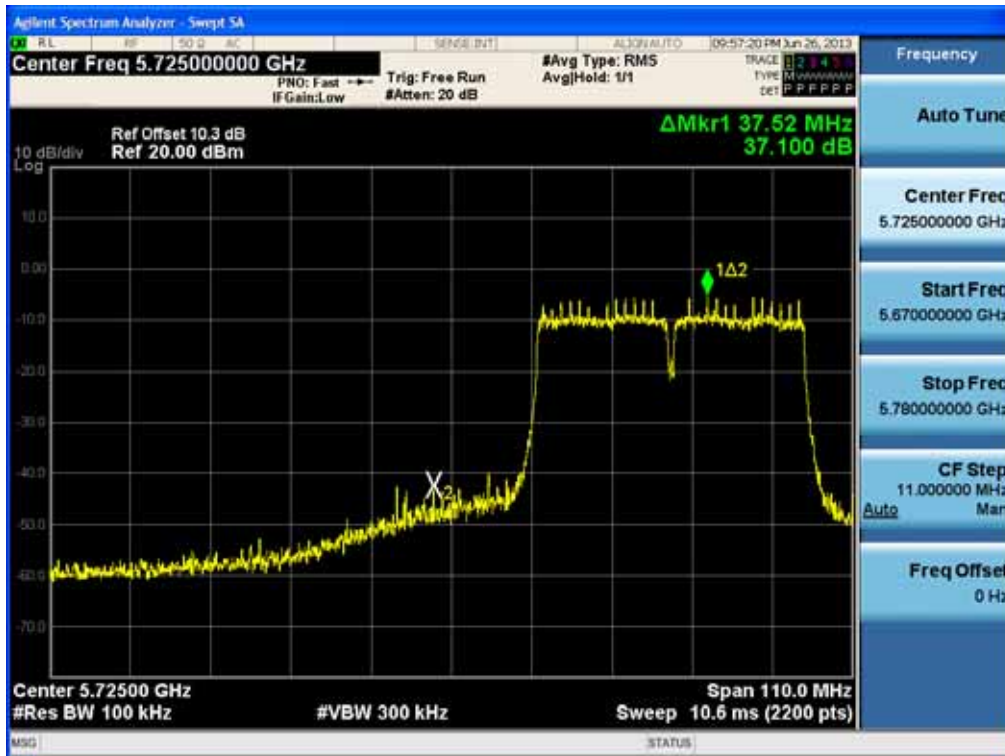


BandEdge (802.11ac-CH 165) 20 MHz BW

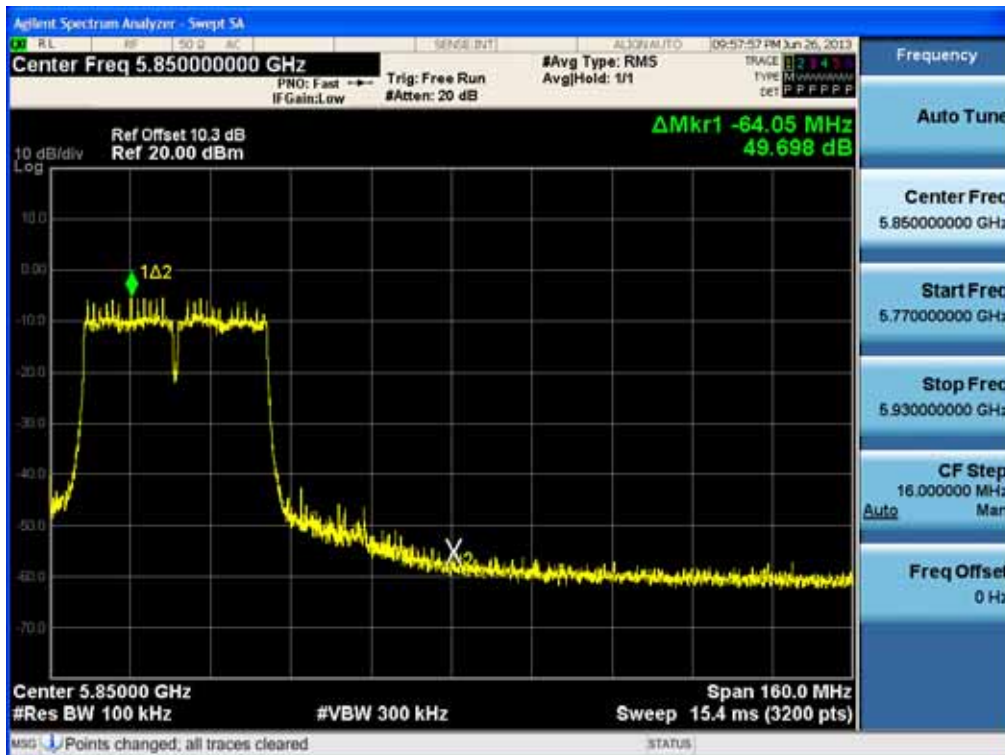


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

BandEdge (802.11ac-CH 151) 40 MHz BW

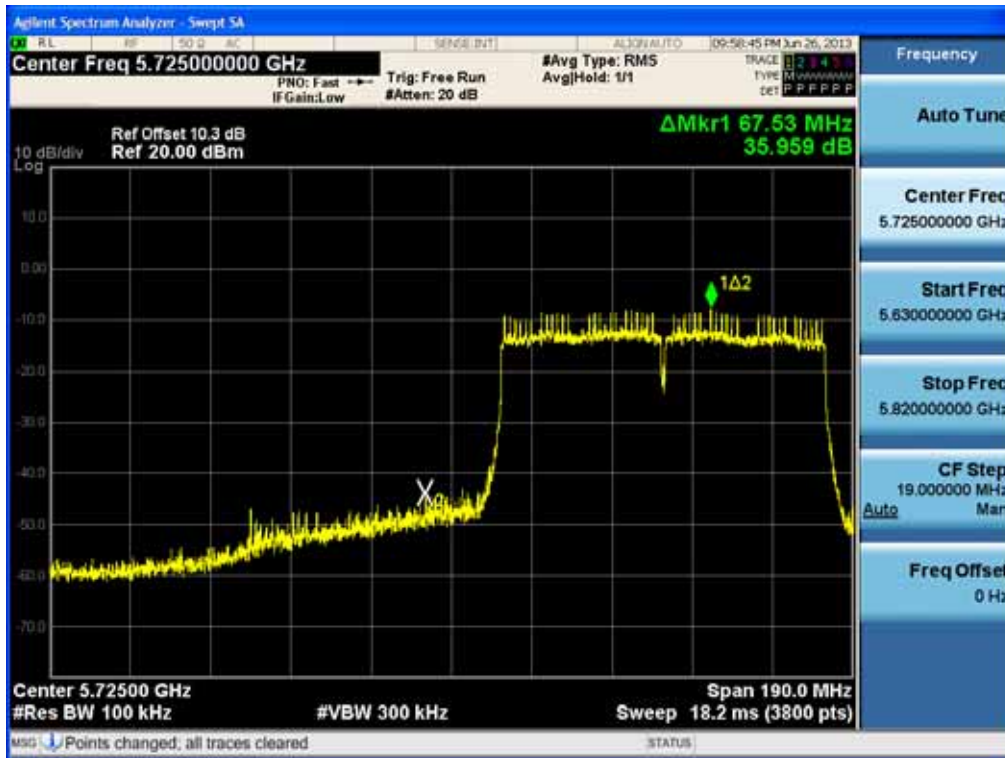


BandEdge (802.11ac-CH 159) 40 MHz BW

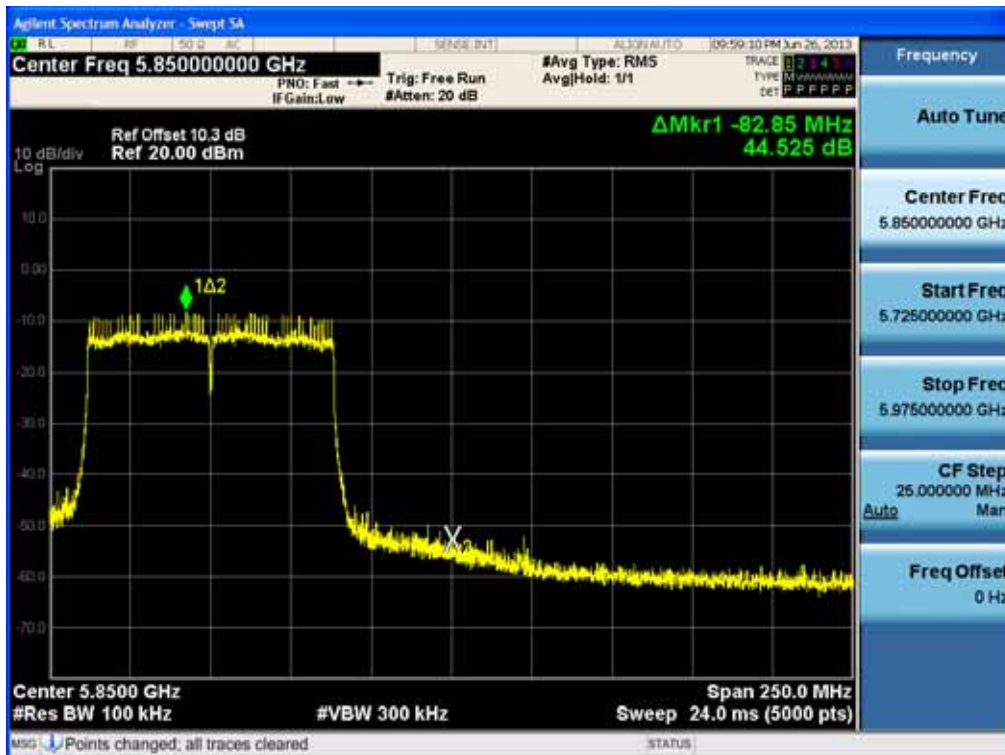


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

BandEdge (802.11ac-CH 155) 80 MHz BW



BandEdge (802.11ac-CH 155) 80 MHz BW

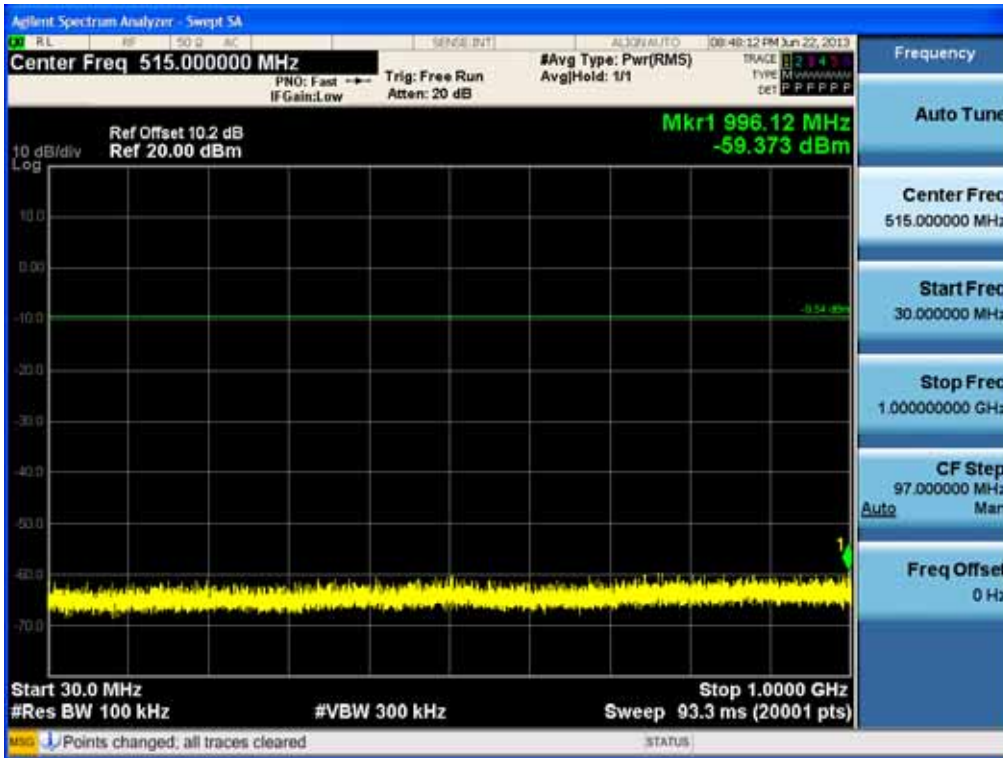


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

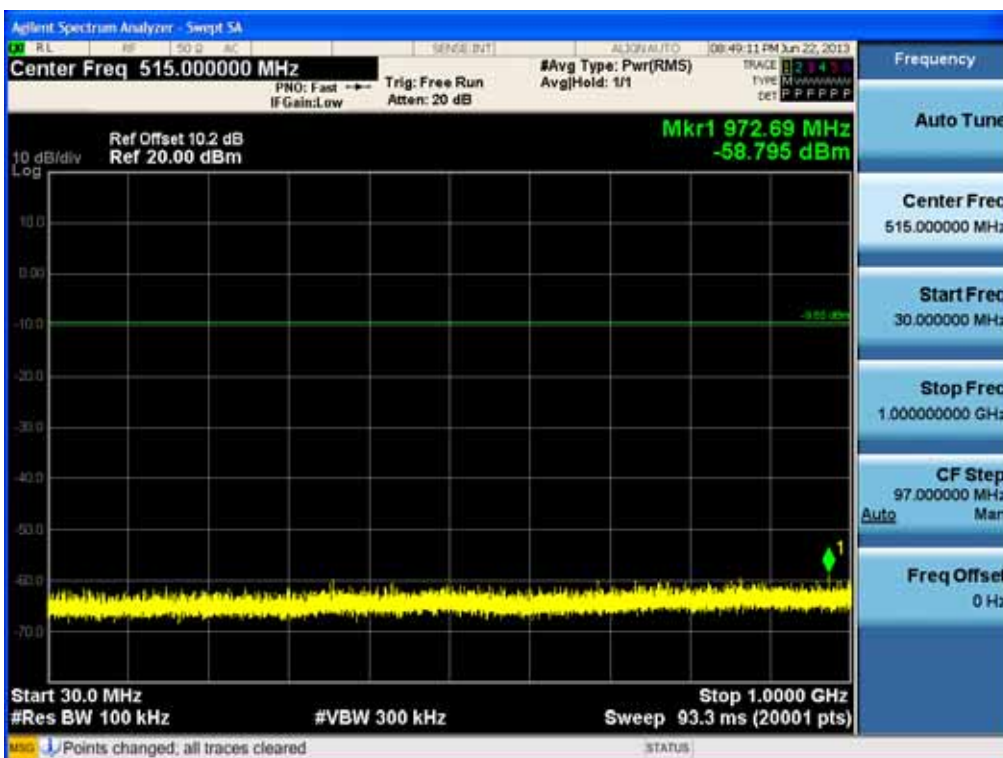


30 MHz ~ 1 GHz

Conducted Spurious Emission (802.11b-CH1)

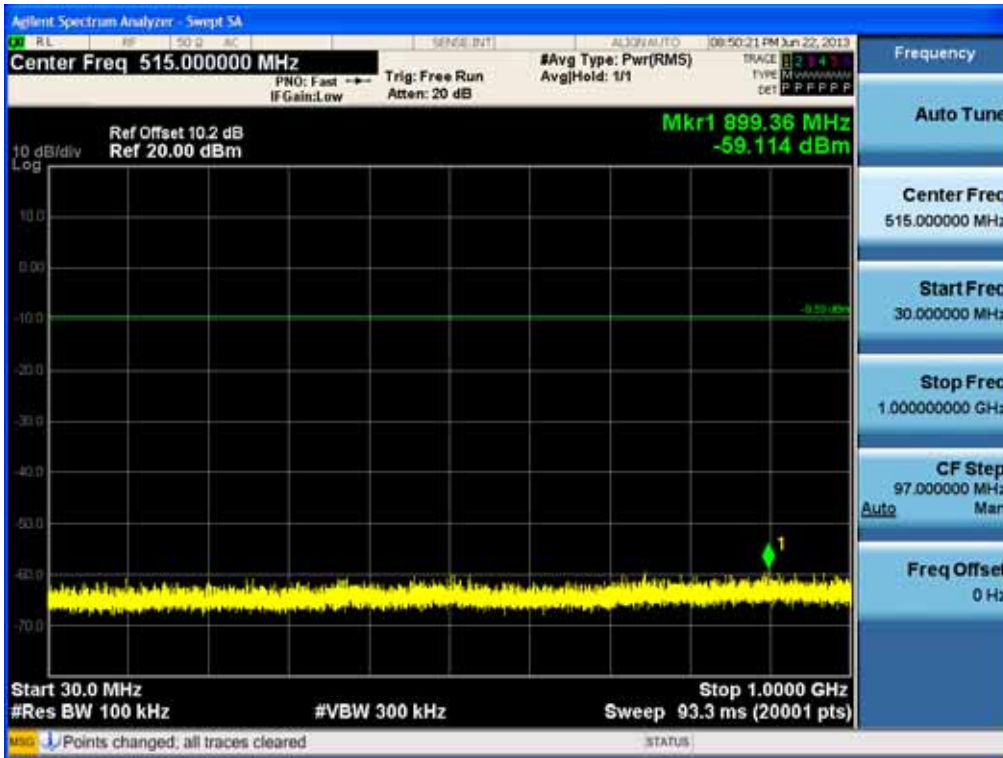


Conducted Spurious Emission (802.11b-CH6)

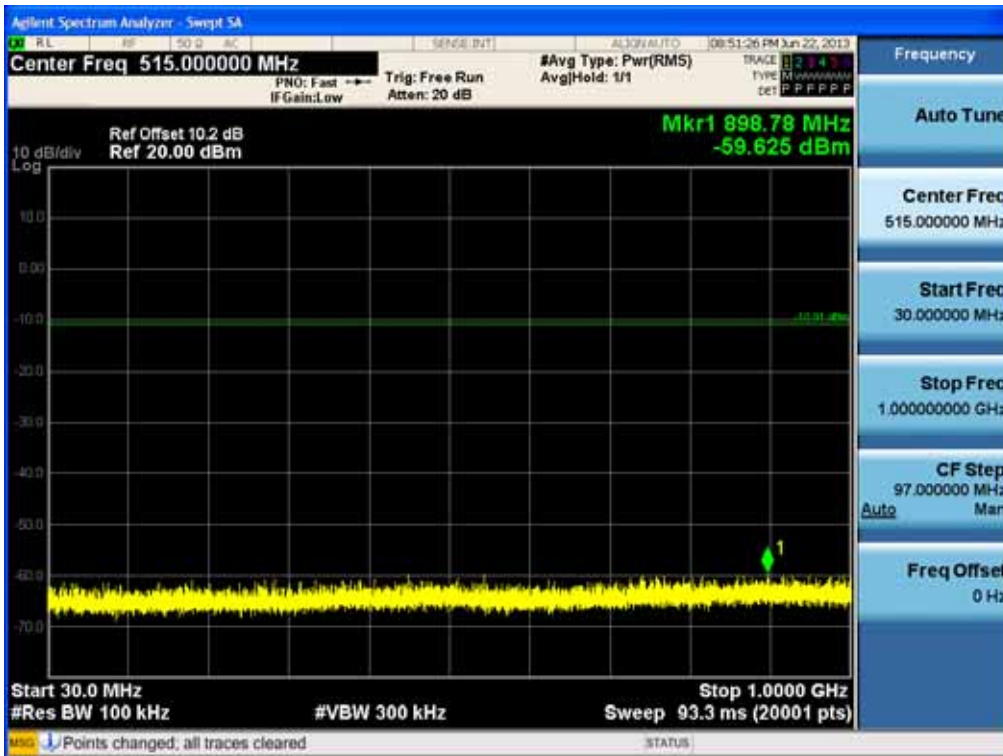


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11b-CH11)

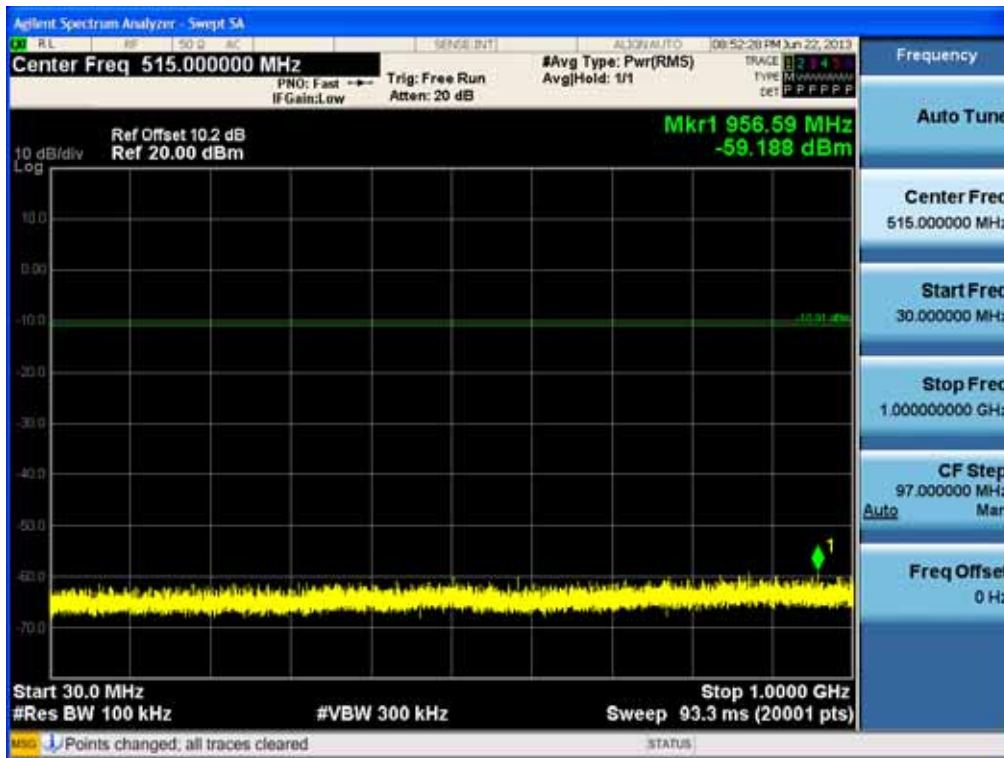


Conducted Spurious Emission (802.11g-CH1)

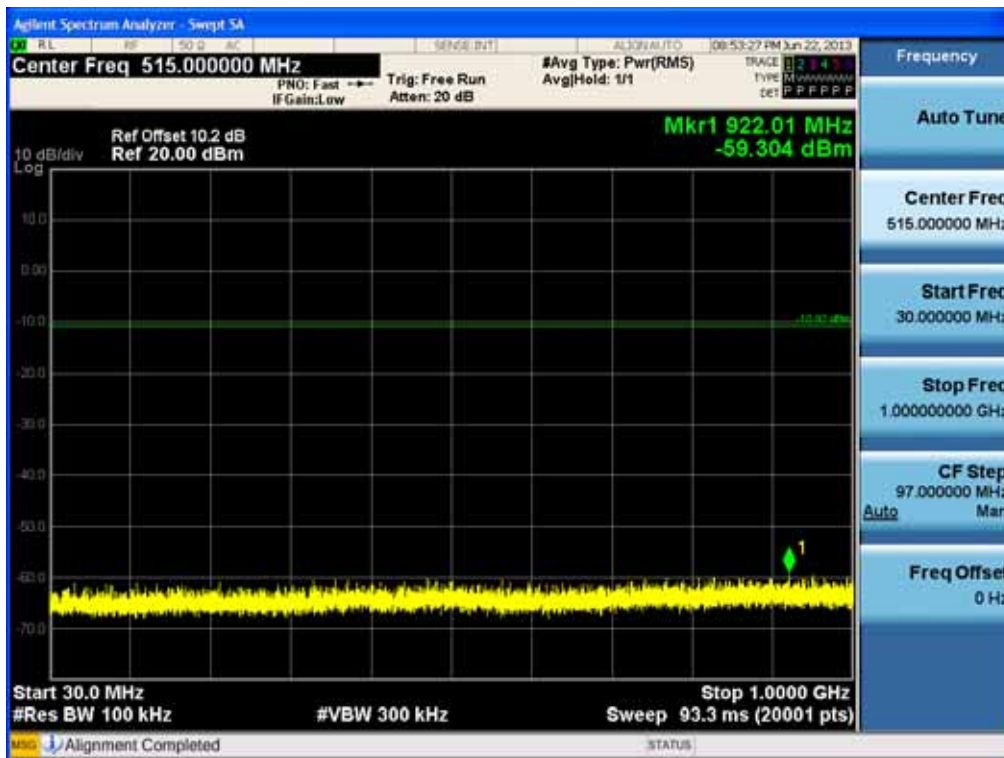


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11g-CH6)

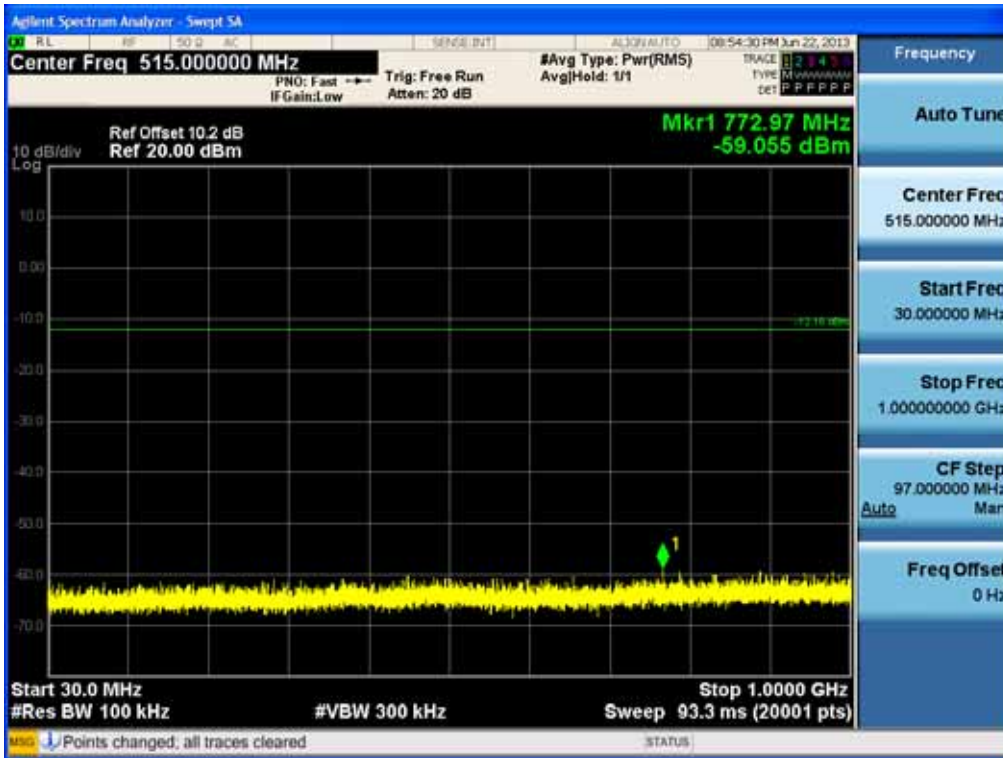


Conducted Spurious Emission (802.11g-CH11)

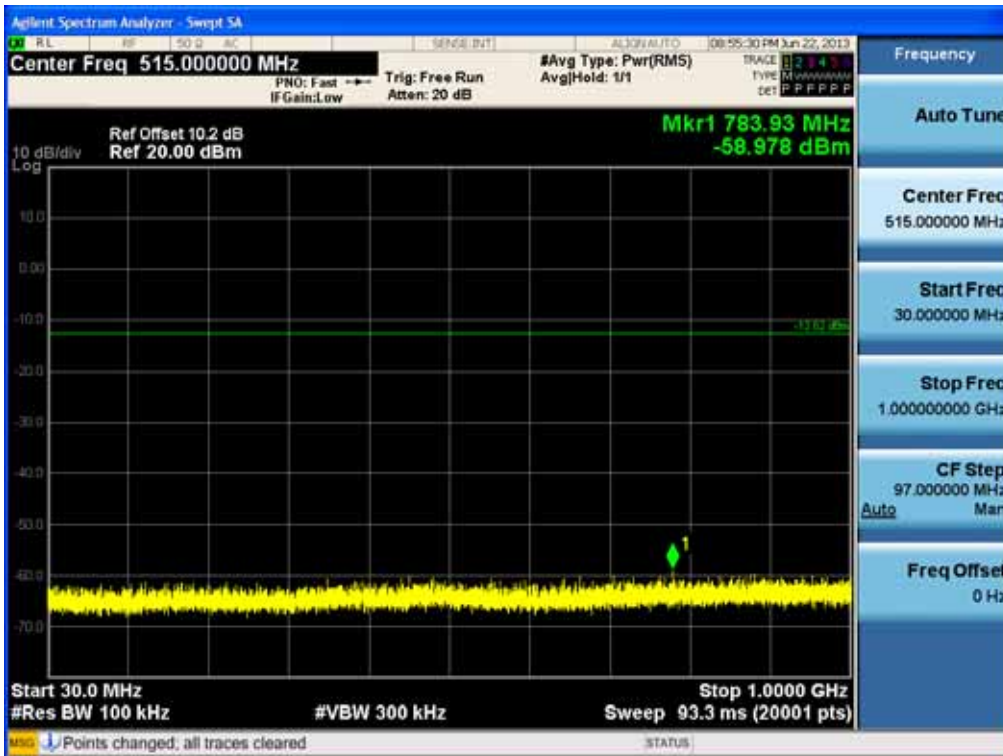


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11n-CH1)

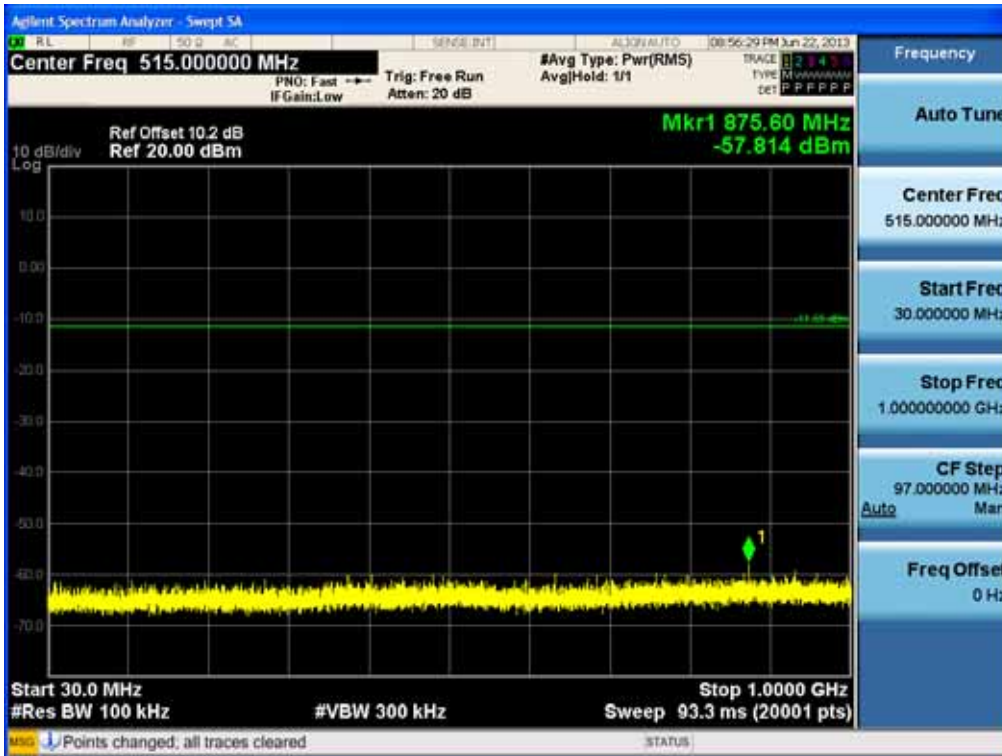


Conducted Spurious Emission (802.11n-CH6)

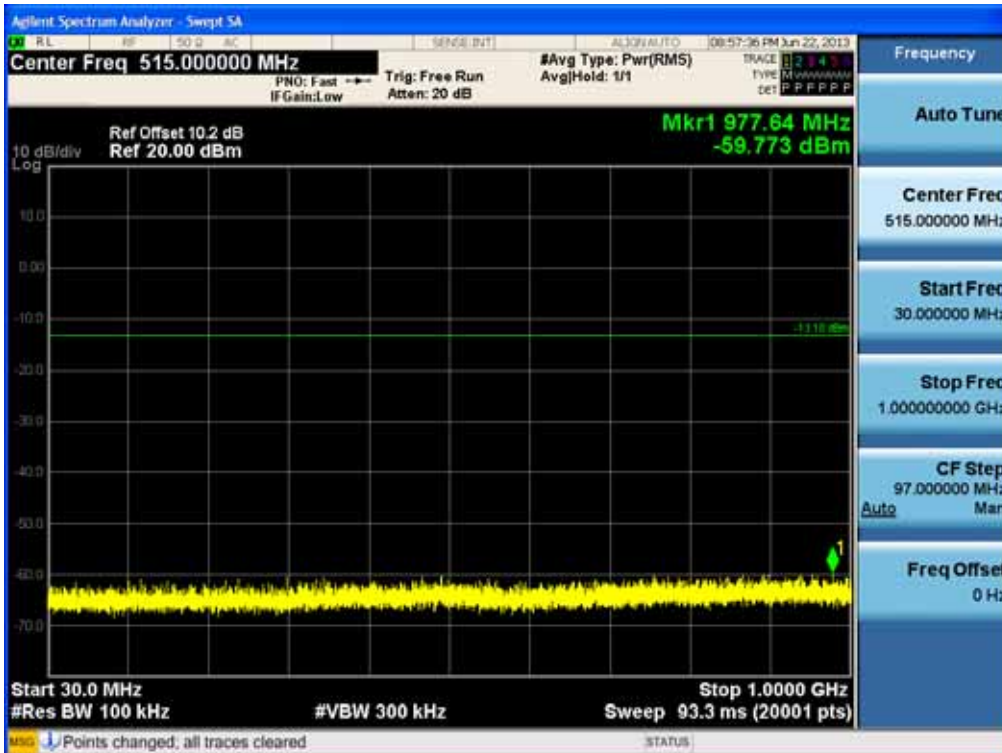


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11n-CH11)

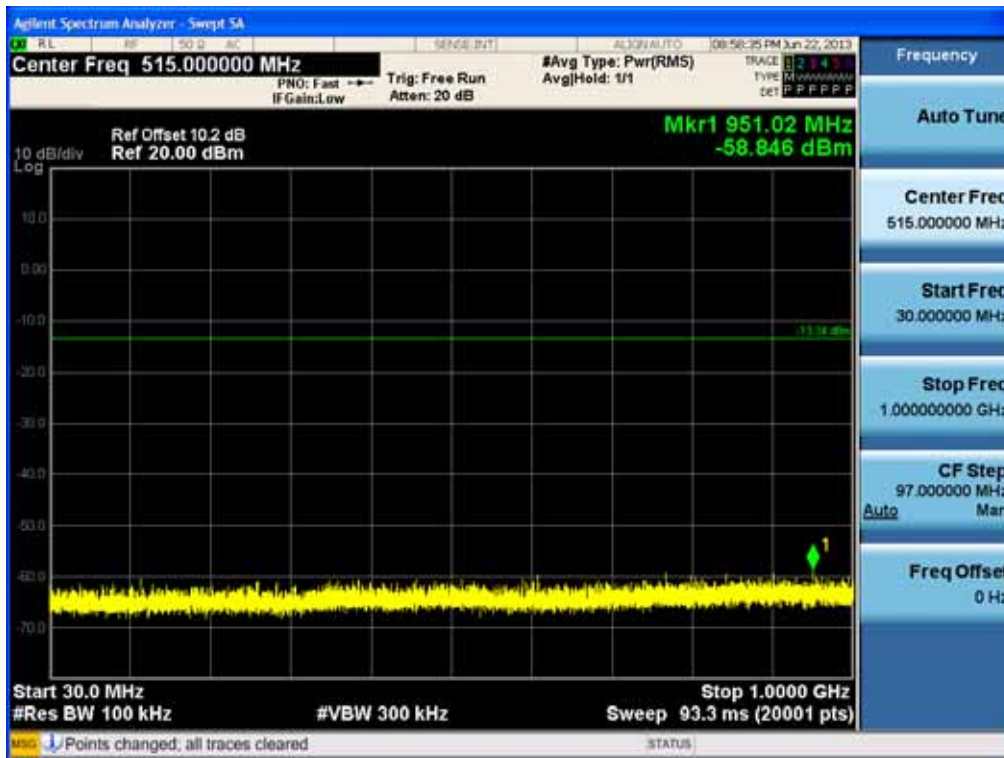


Conducted Spurious Emission (802.11ac-CH1)

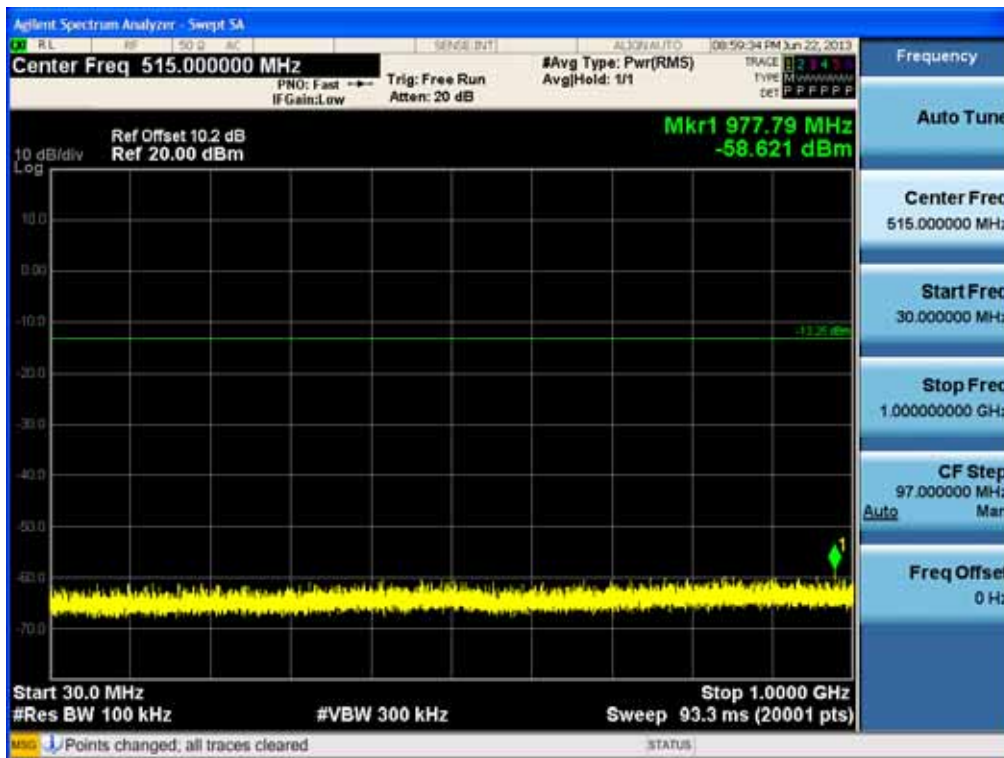


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11ac-CH6)

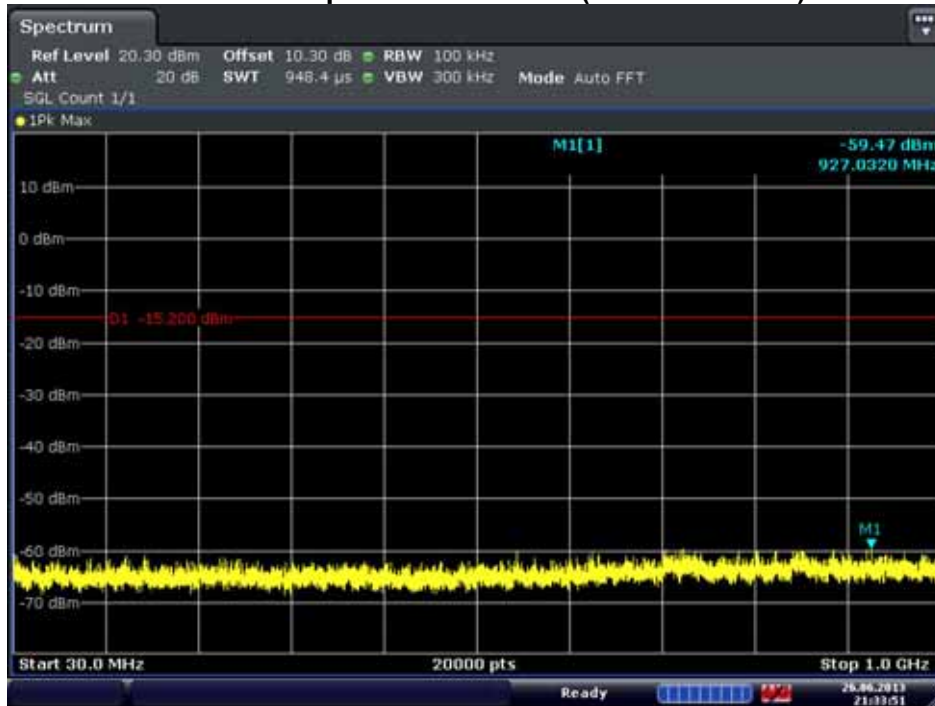


Conducted Spurious Emission (802.11ac-CH11)



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11a-CH149)



Date: 26.JUN.2013 21:33:51

Conducted Spurious Emission (802.11a-CH157)



Date: 26.JUN.2013 21:39:36

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

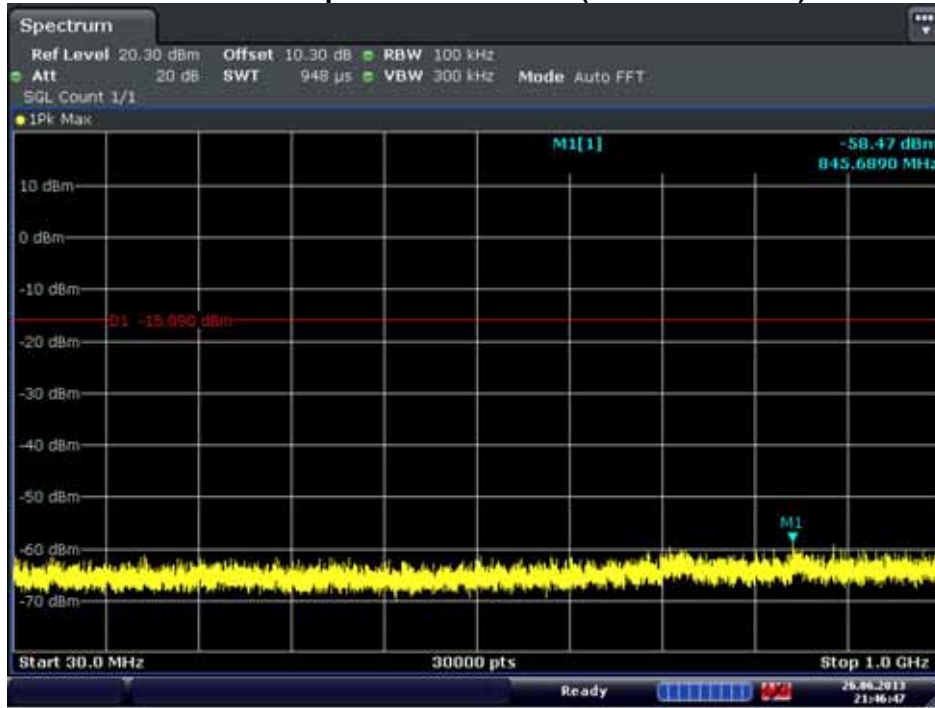
Conducted Spurious Emission (802.11a-CH165)



Date: 26 JUN 2013 21:42:33

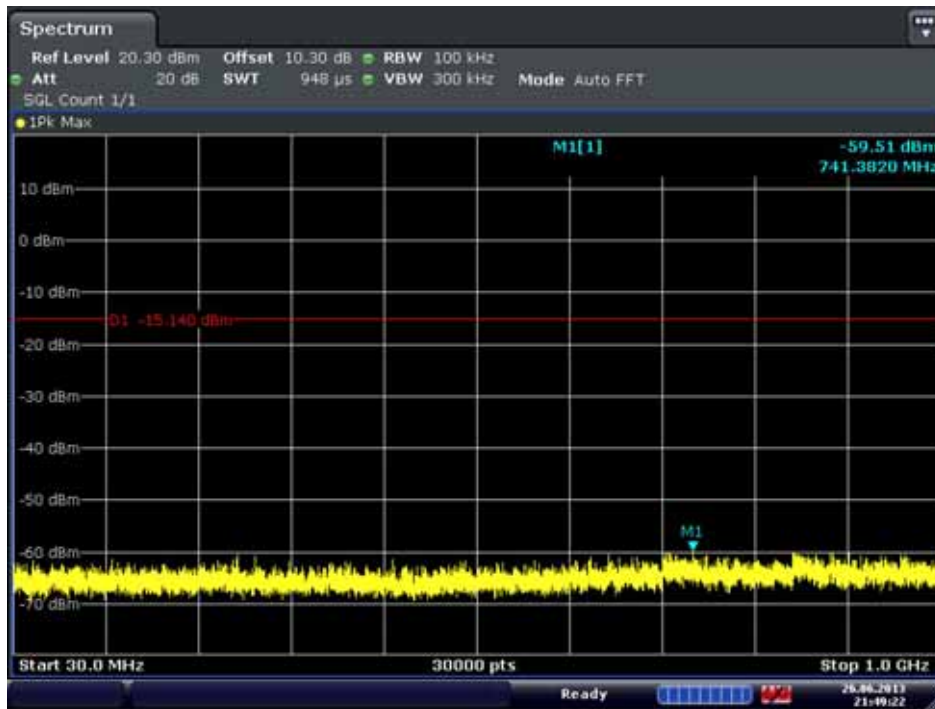
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11n-CH149)



Date: 26.JUN.2013 21:46:47

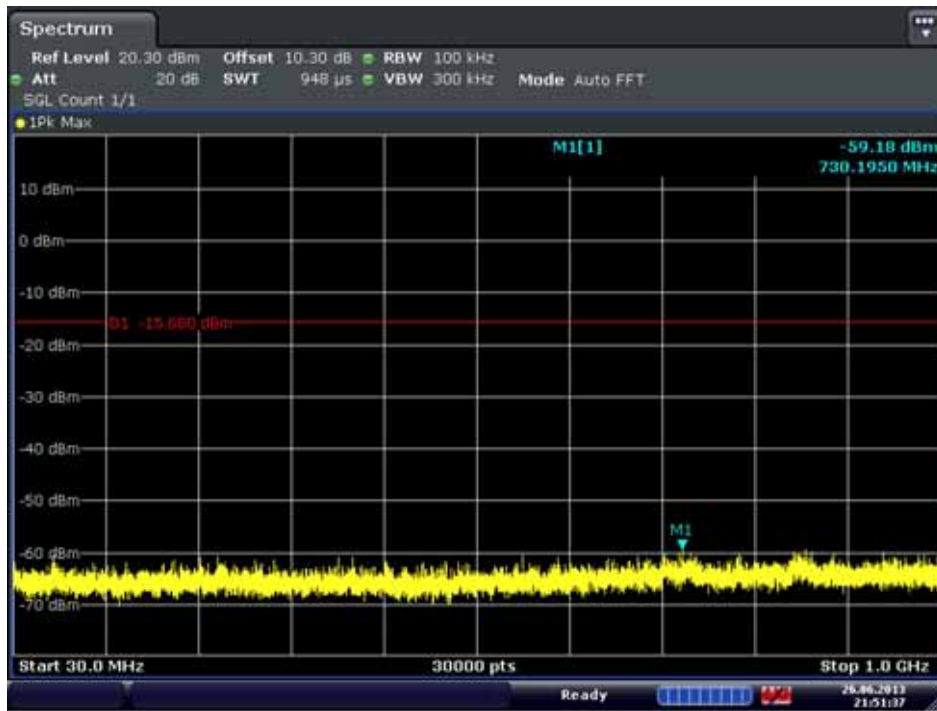
Conducted Spurious Emission (802.11n-CH157)



Date: 26.JUN.2013 21:49:22

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11n-CH165)



Date: 26.JUN.2013 21:51:37

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11n-CH151)



Date: 26.JUN.2013 21:53:57

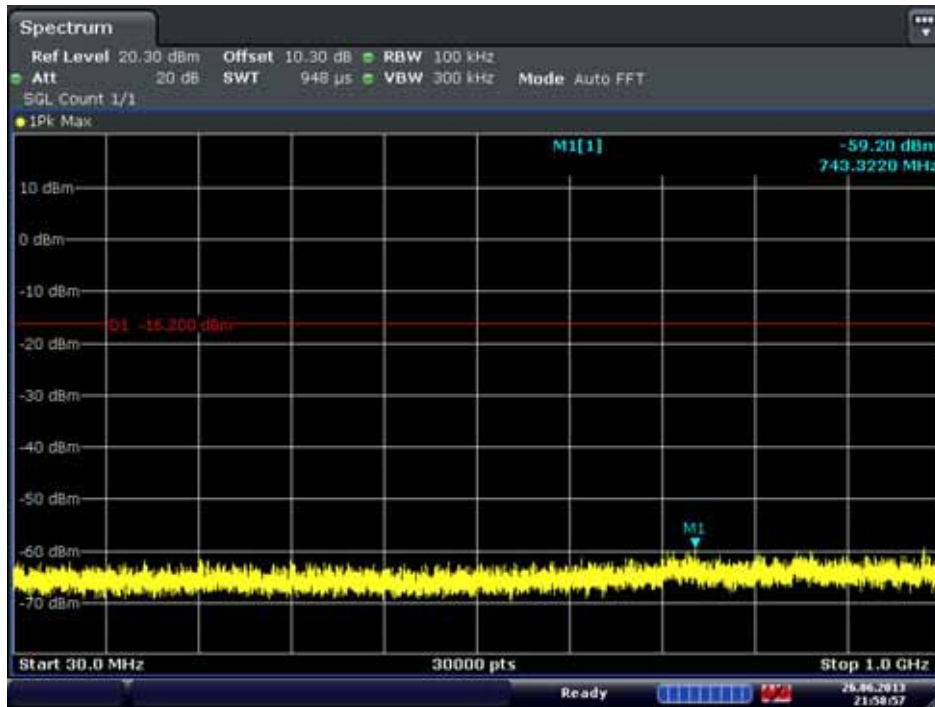
Conducted Spurious Emission (802.11n-CH159)



Date: 26.JUN.2013 21:56:04

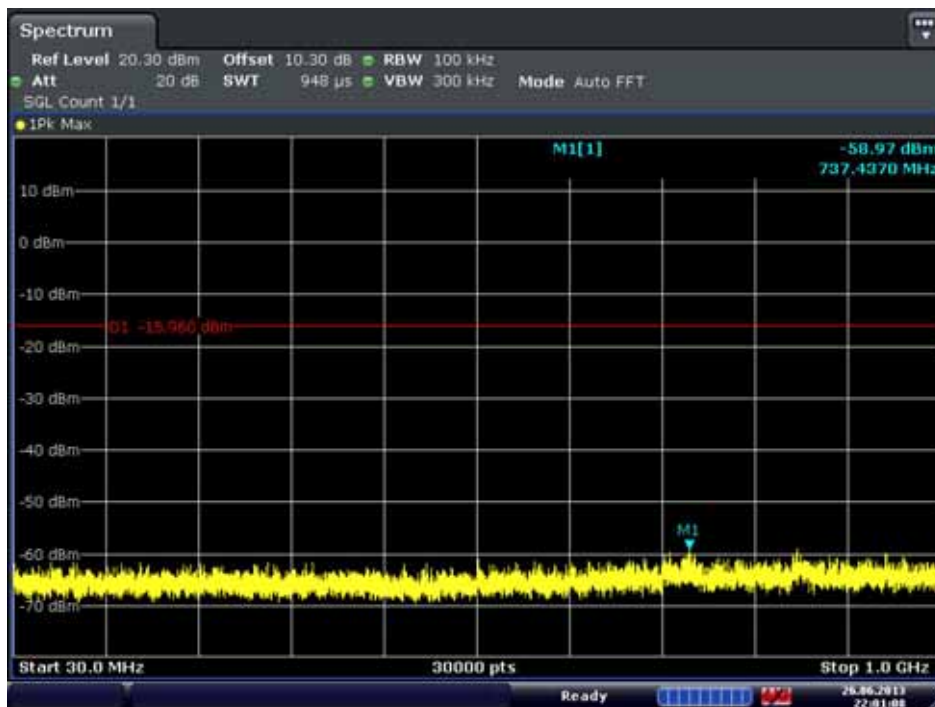
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11ac-CH149) 20 MHz BW



Date: 26.JUN.2013 21:58:58

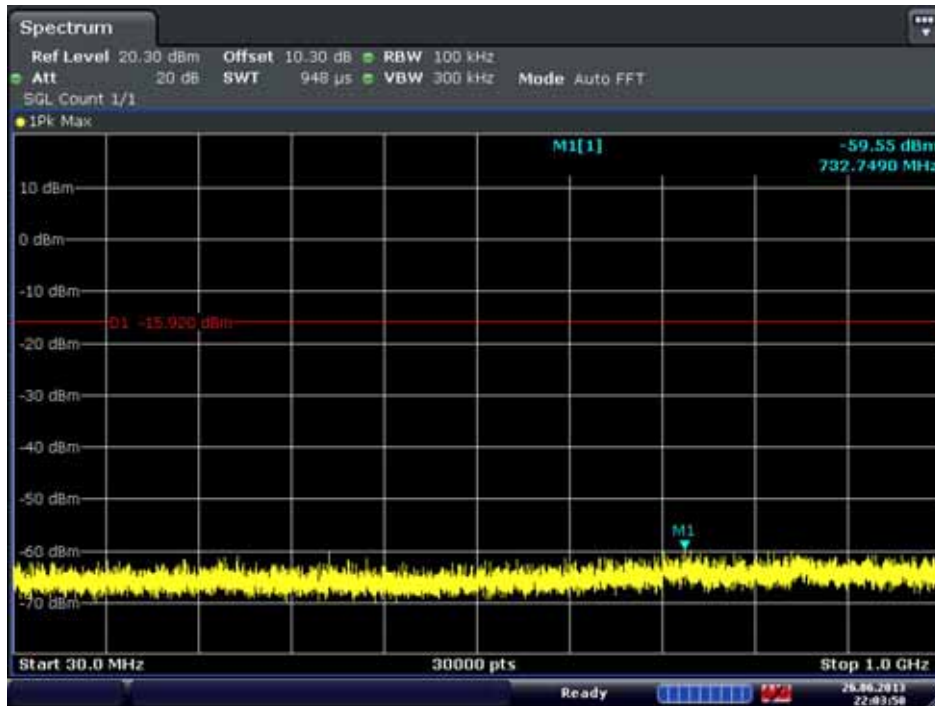
Conducted Spurious Emission (802.11ac-CH157) 20 MHz BW



Date: 26.JUN.2013 22:01:08

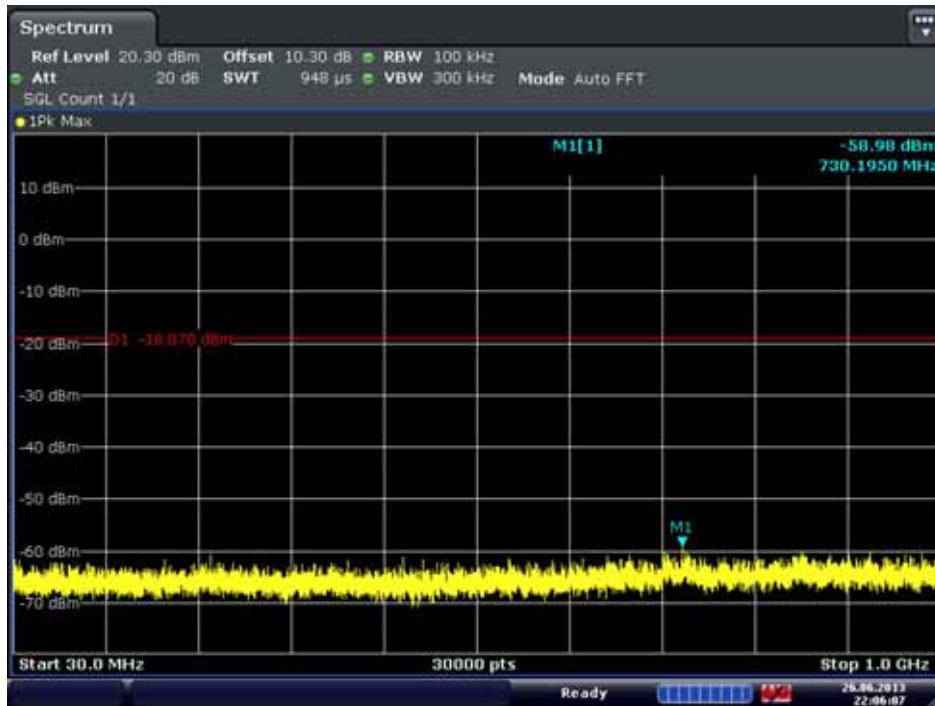
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11ac-CH165) 20 MHz BW



Date: 26.JUN.2013 22:03:50

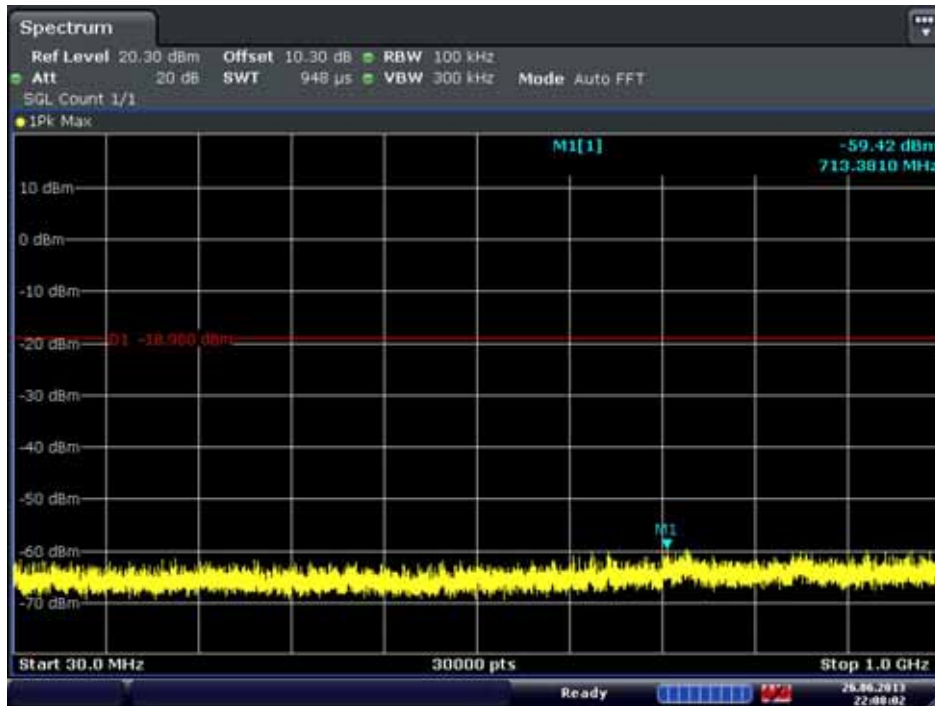
Conducted Spurious Emission (802.11ac-CH151) 40 MHz BW



Date: 26.JUN.2013 22:06:08

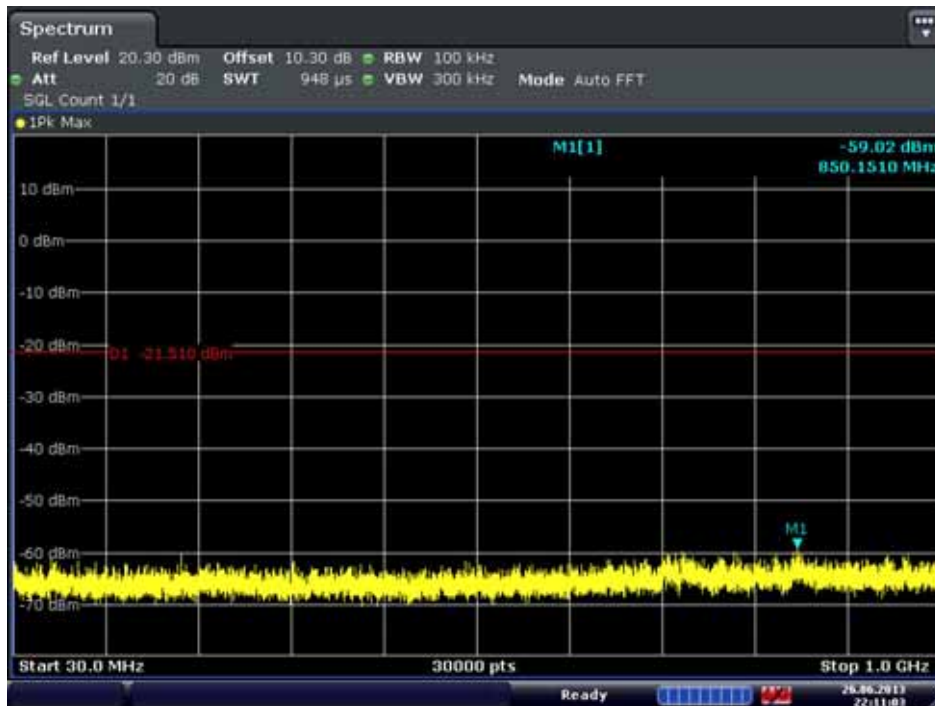
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11ac-CH159) 40 MHz BW



Date: 26.JUN.2013 22:08:02

Conducted Spurious Emission (802.11ac-CH159) 80 MHz BW

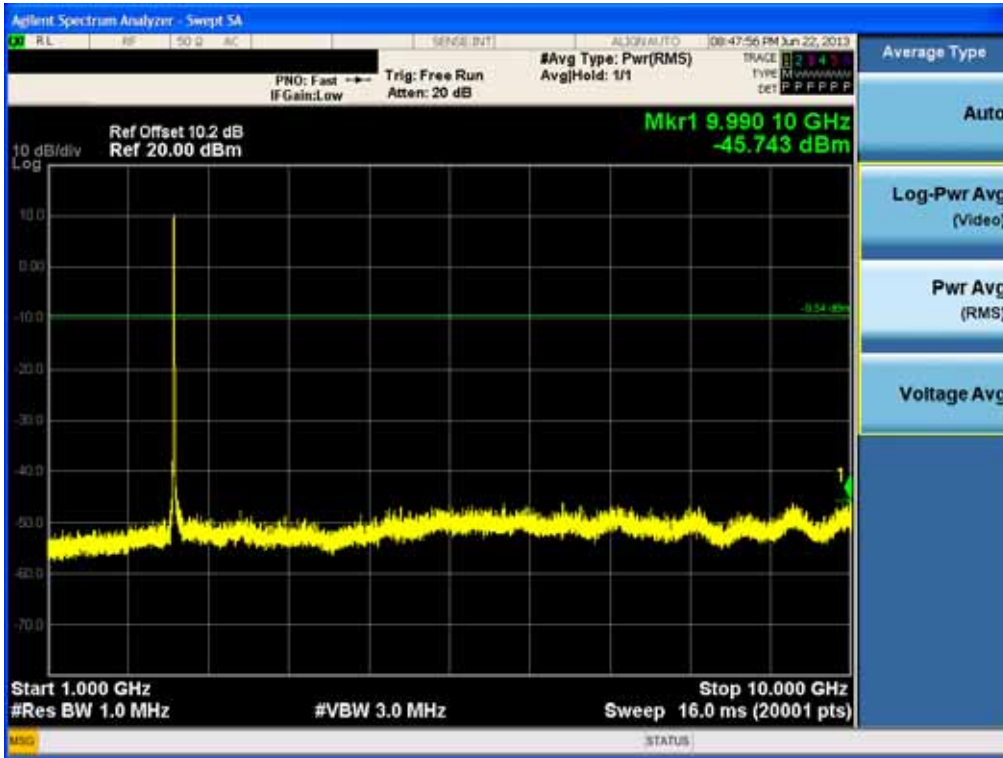


Date: 26.JUN.2013 22:11:03

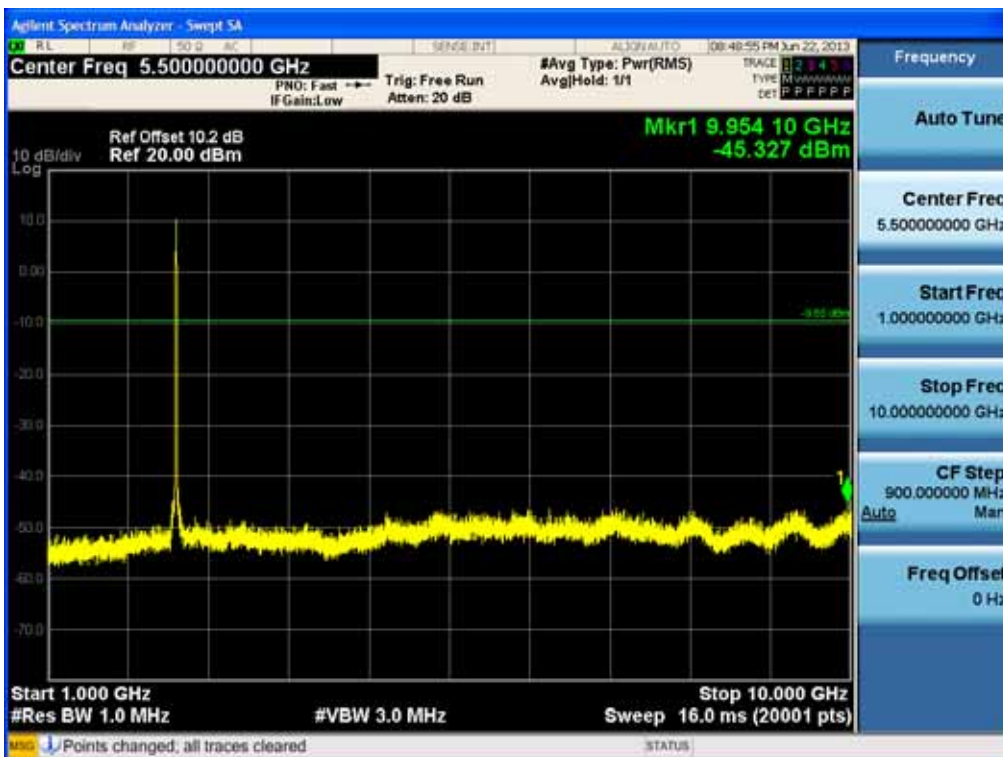
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

1 GHz ~ 10 GHz

Conducted Spurious Emission (802.11b-CH1)

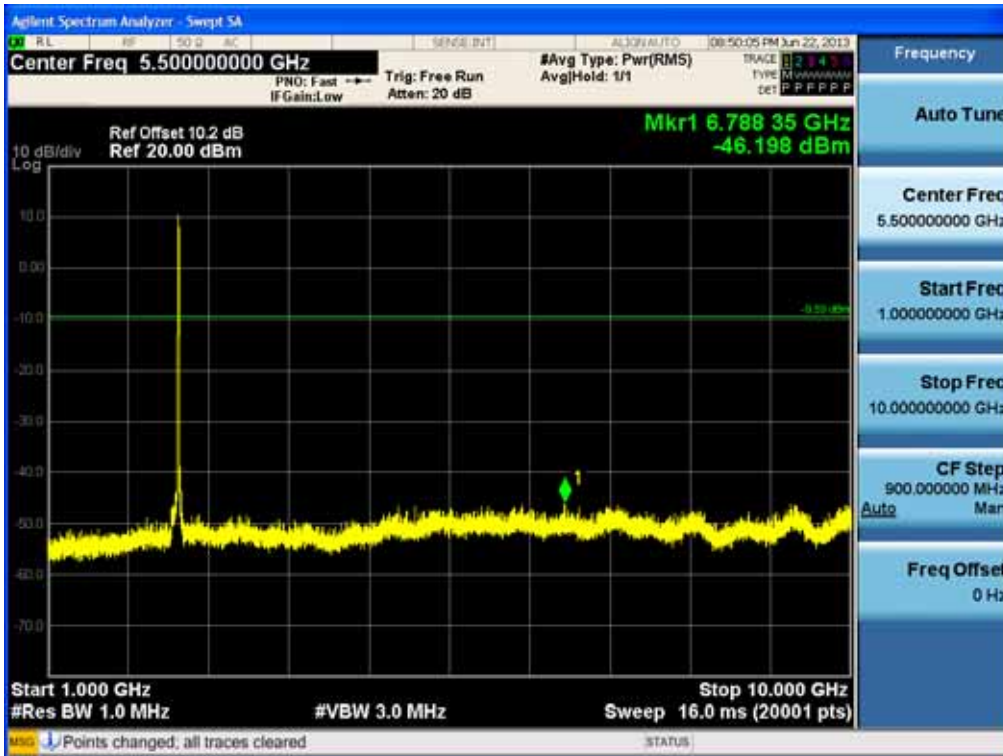


Conducted Spurious Emission (802.11b-CH6)

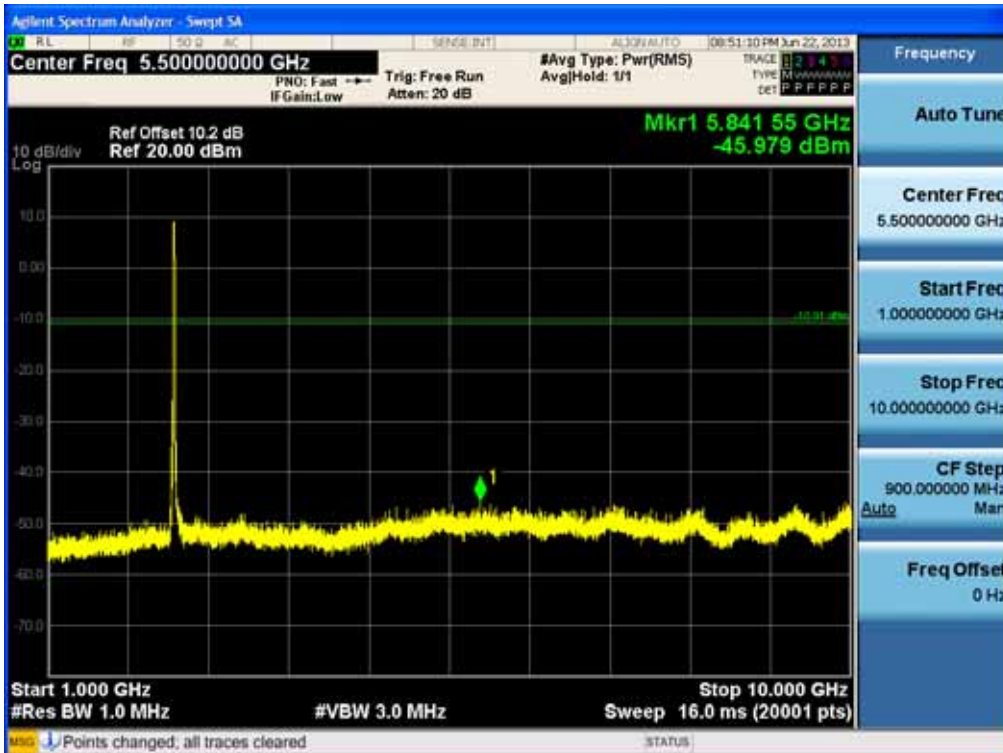


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11b-CH11)

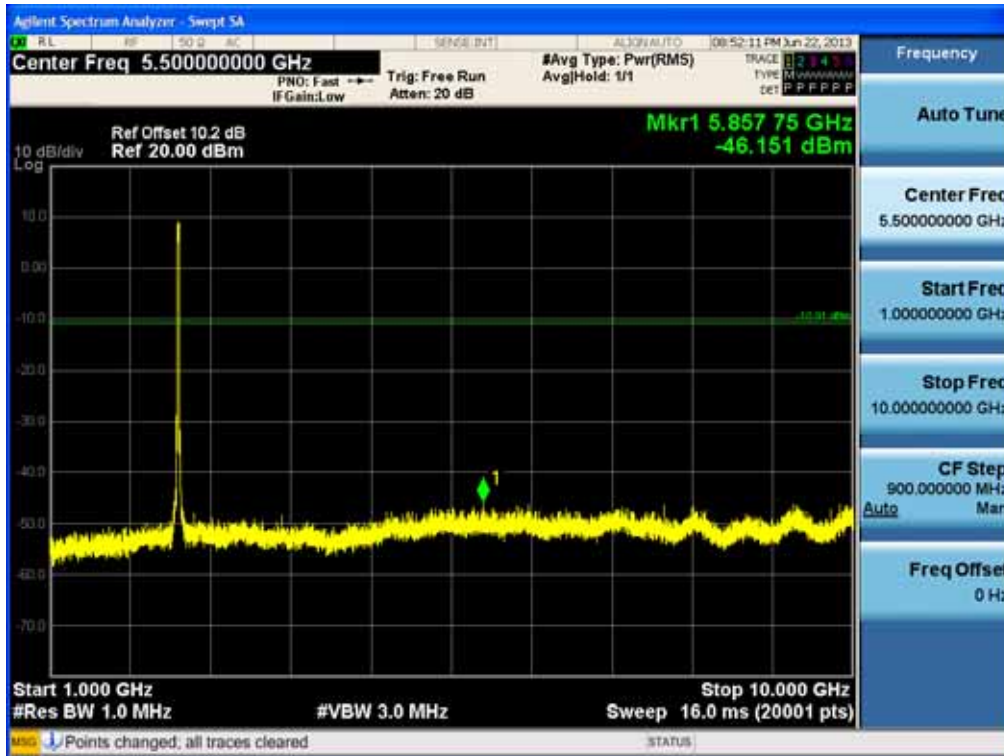


Conducted Spurious Emission (802.11g-CH1)

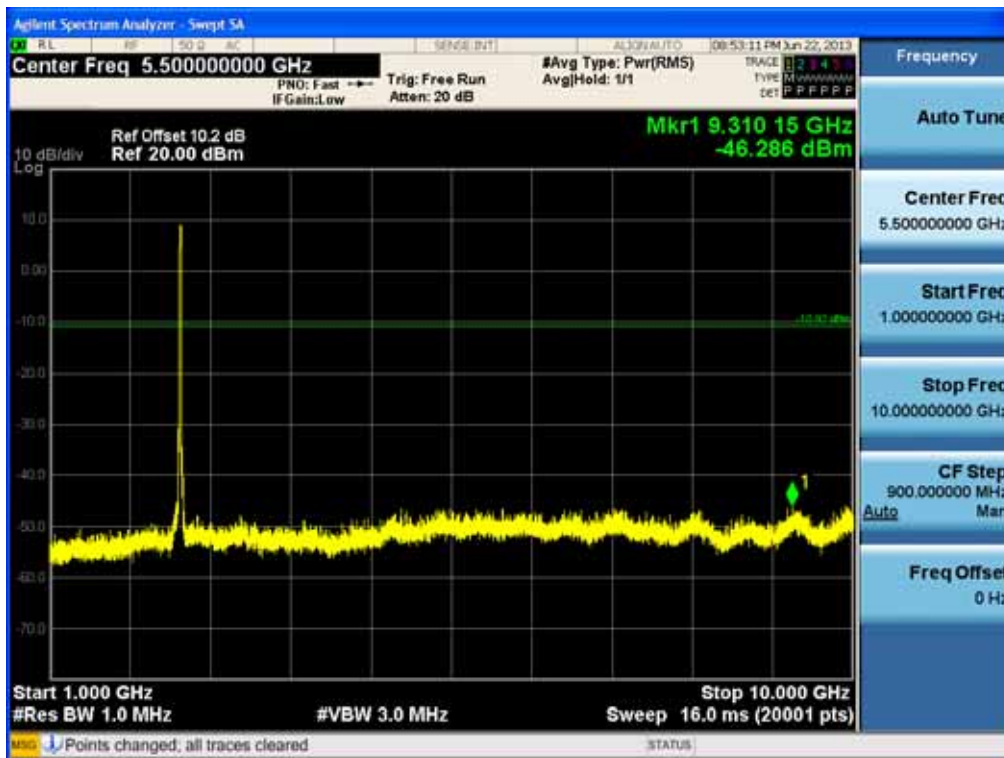


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11g-CH6)

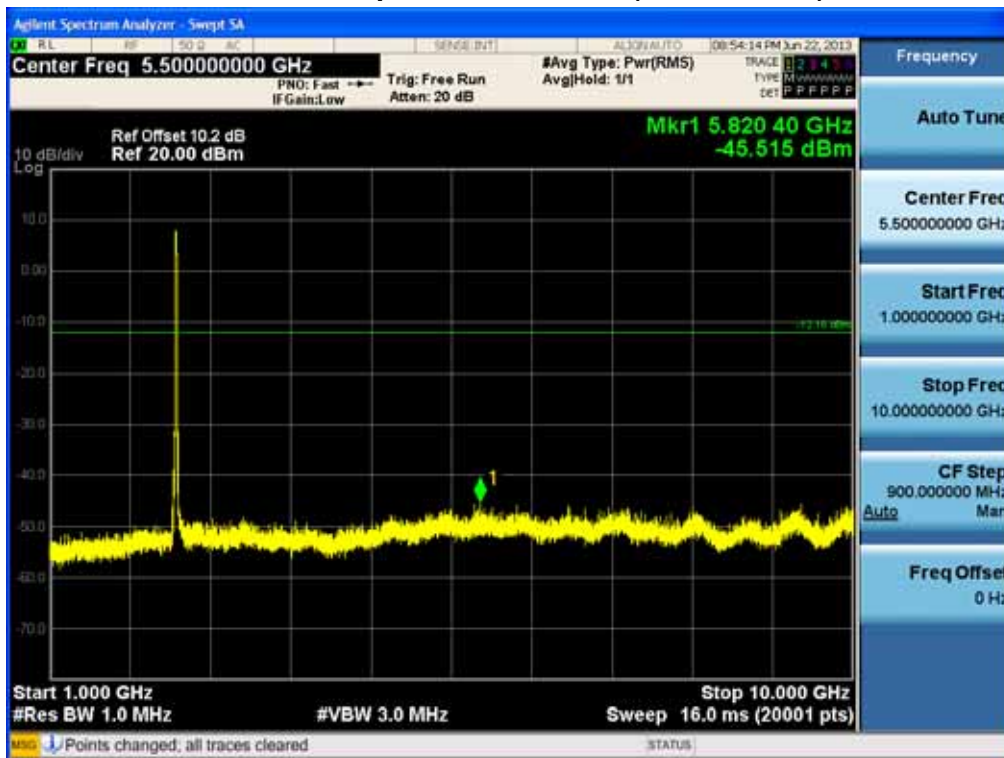


Conducted Spurious Emission (802.11g-CH11)

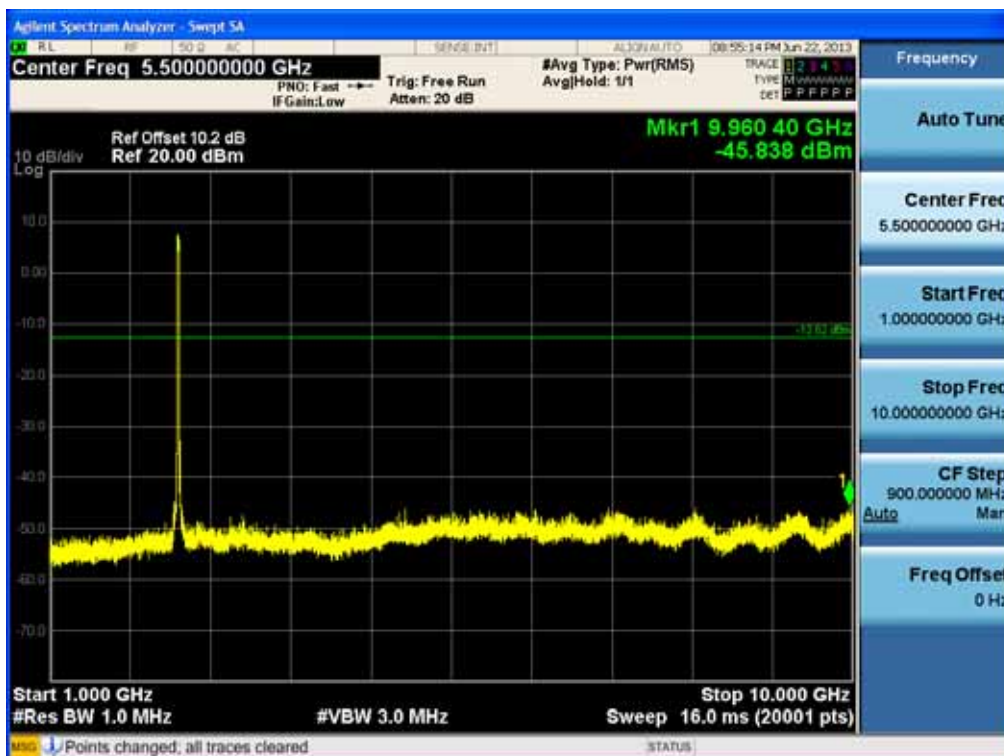


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11n-CH1)

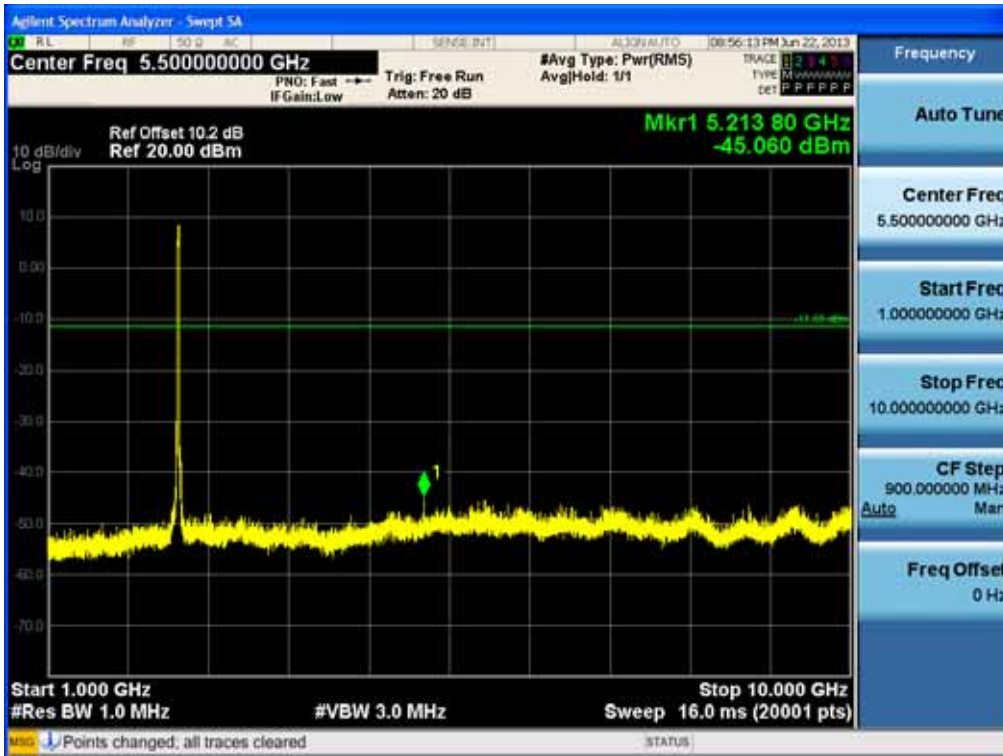


Conducted Spurious Emission (802.11n-CH6)

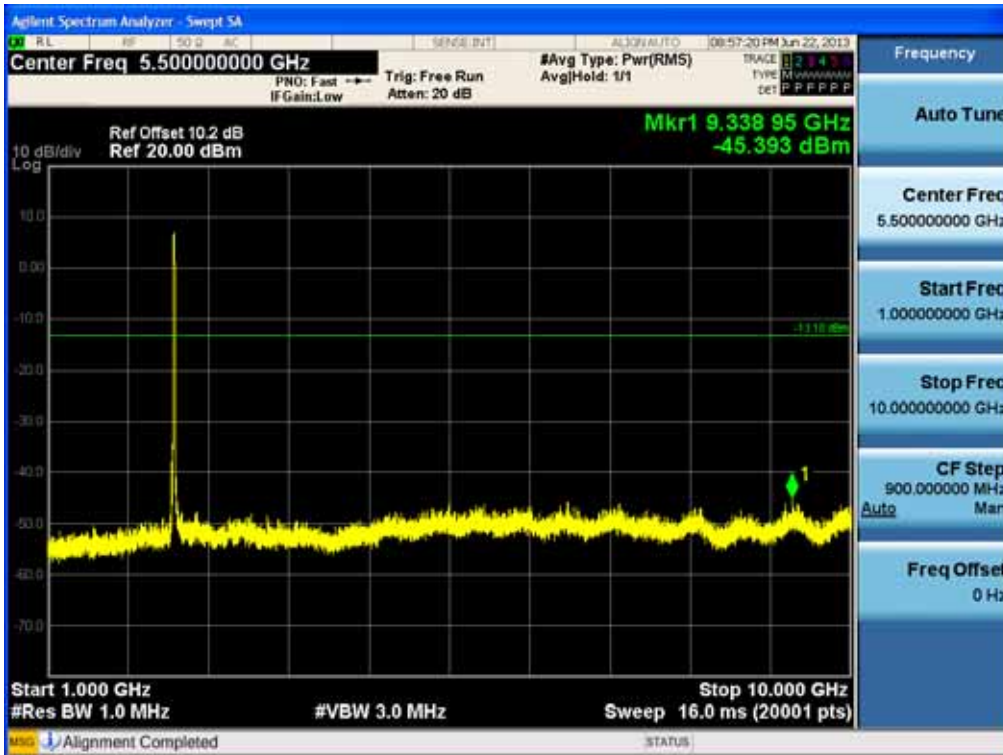


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11n-CH11)

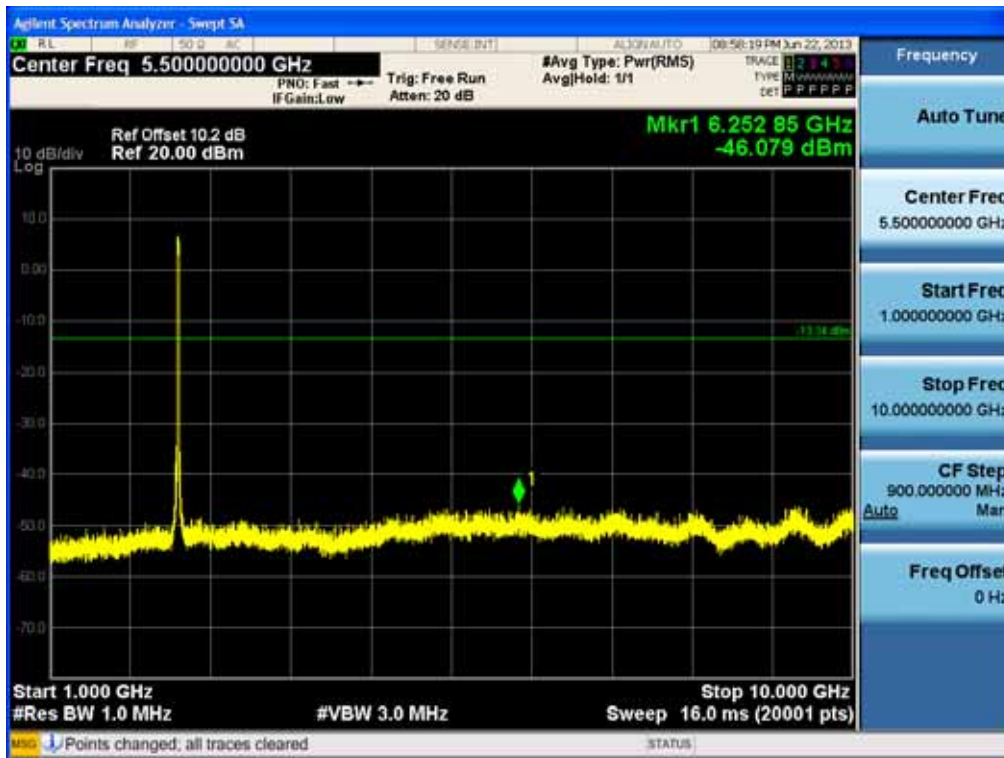


Conducted Spurious Emission (802.11ac-CH1)



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

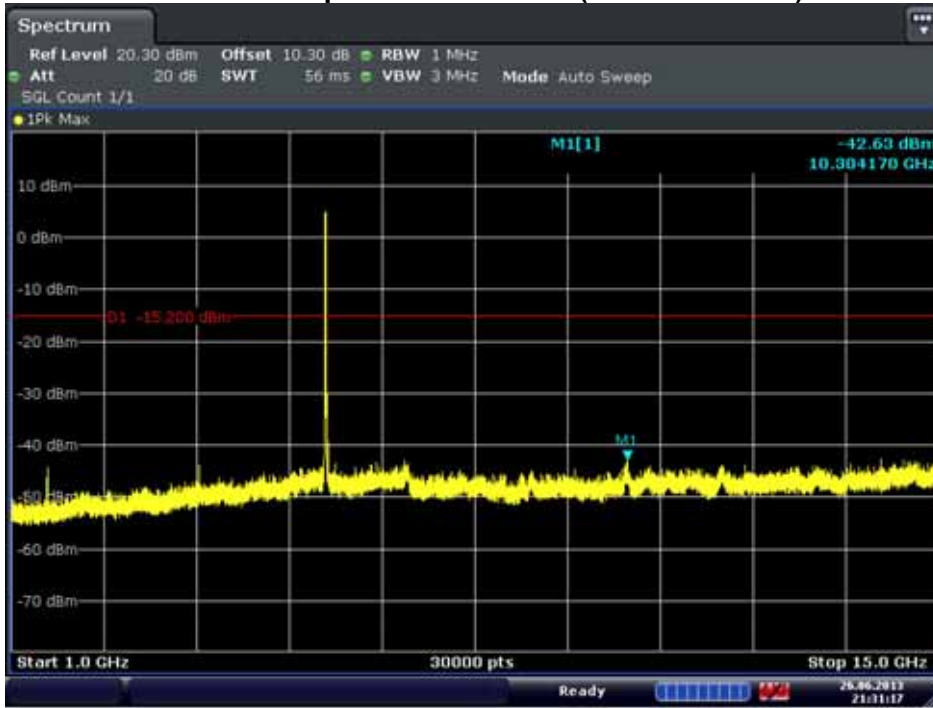
Conducted Spurious Emission (802.11ac-CH6)



Conducted Spurious Emission (802.11ac-CH11)

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11a-CH149)



Date: 26.JUN.2013 21:31:17

Conducted Spurious Emission (802.11a-CH157)



Date: 26.JUN.2013 21:37:54

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

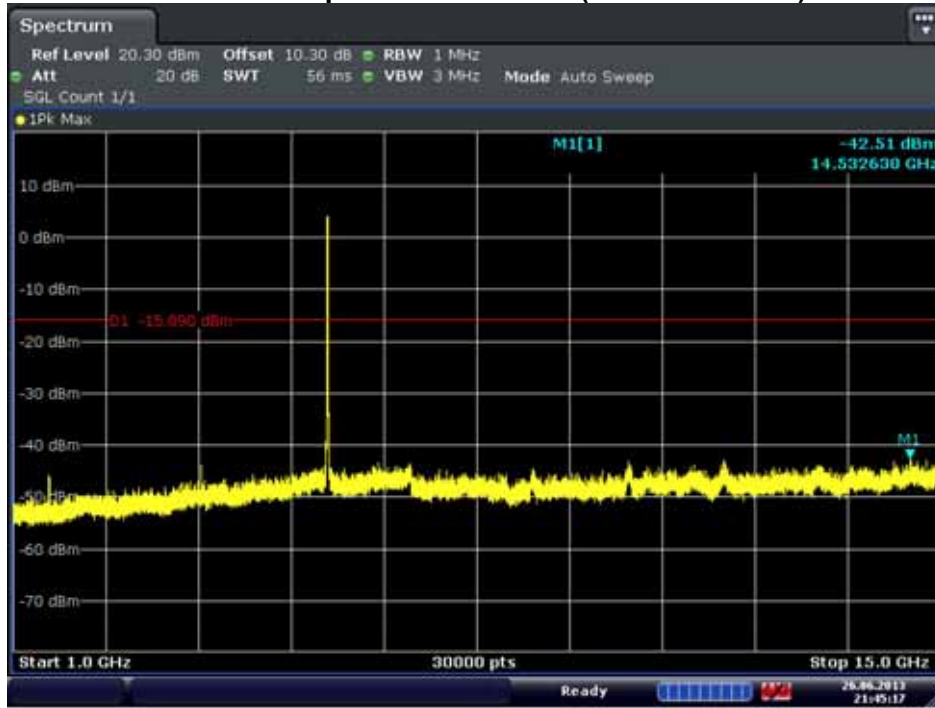
Conducted Spurious Emission (802.11a-CH165)



Date: 26 JUN 2013 21:40:48

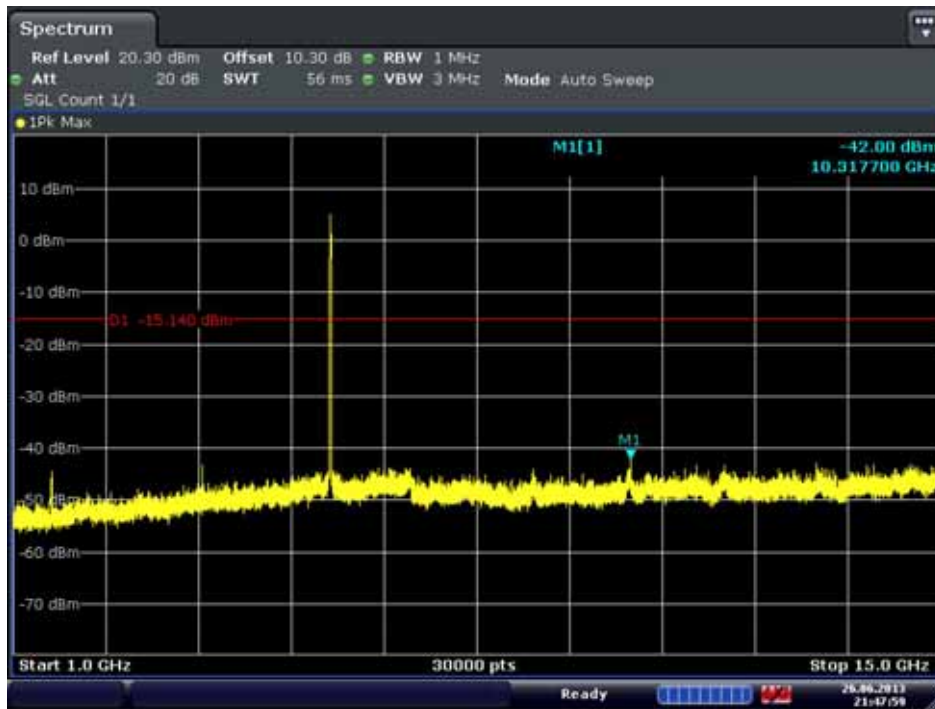
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11n-CH149)



Date: 26.JUN.2013 21:45:17

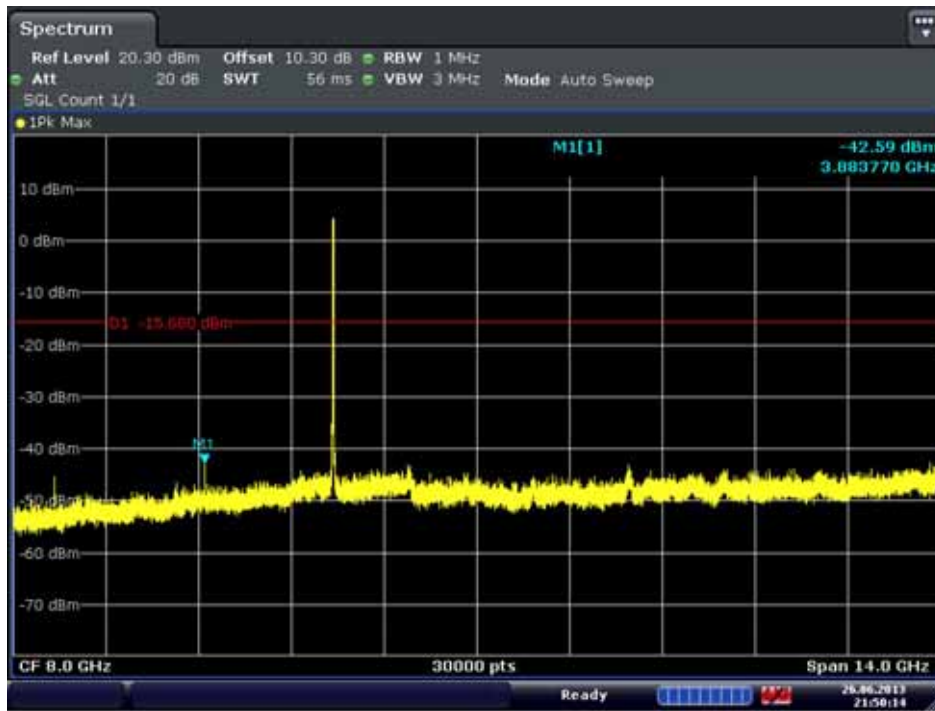
Conducted Spurious Emission (802.11n-CH157)



Date: 26.JUN.2013 21:47:59

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

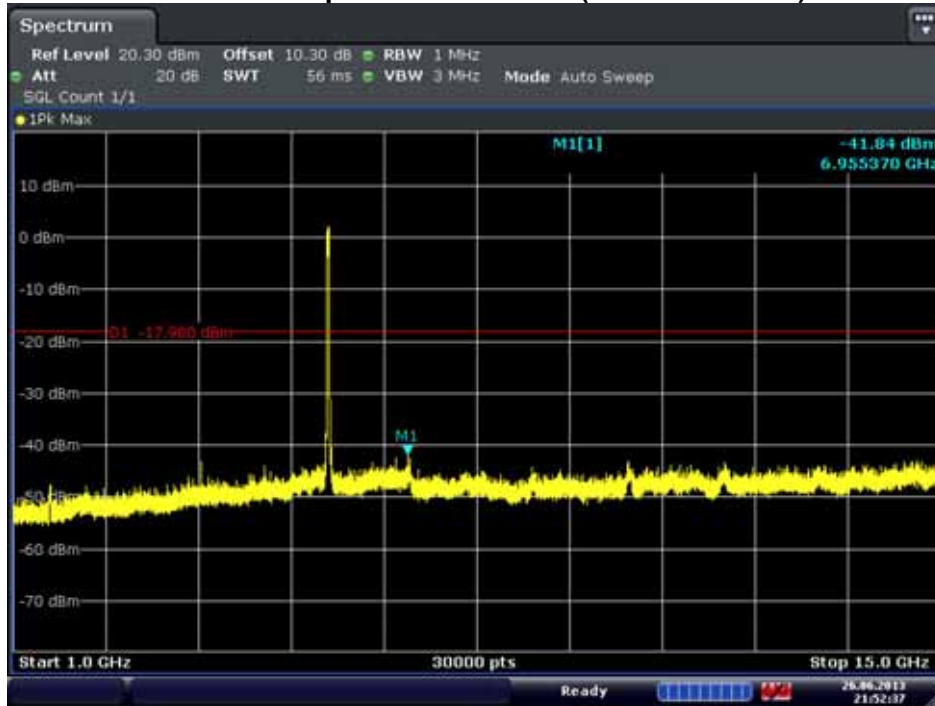
Conducted Spurious Emission (802.11n-CH165)



Date: 26.JUN.2013 21:50:14

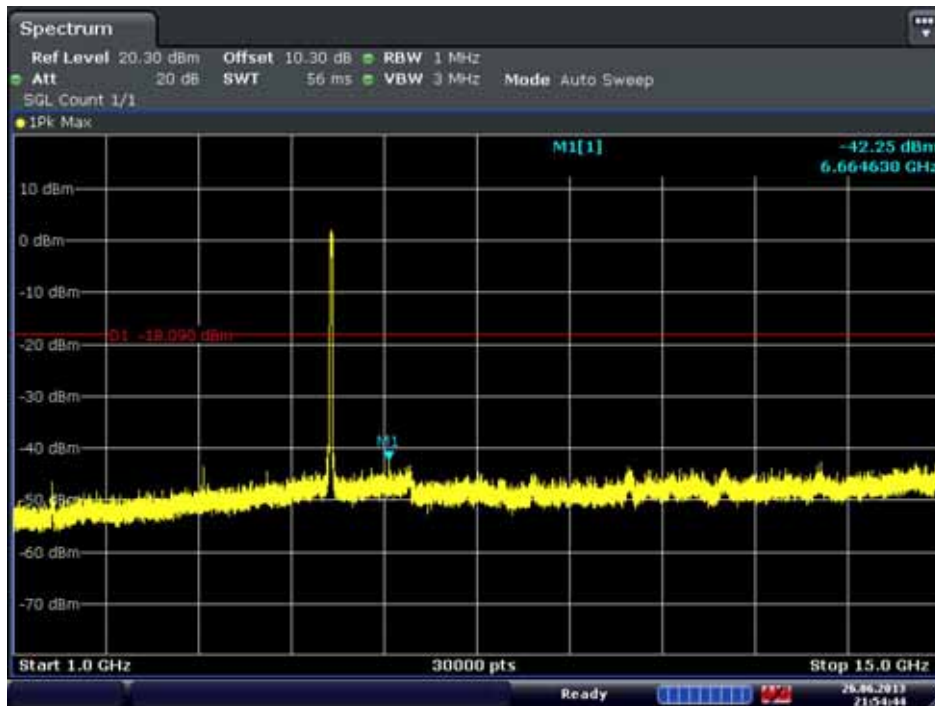
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11n-CH151)



Date: 26.JUN.2013 21:52:37

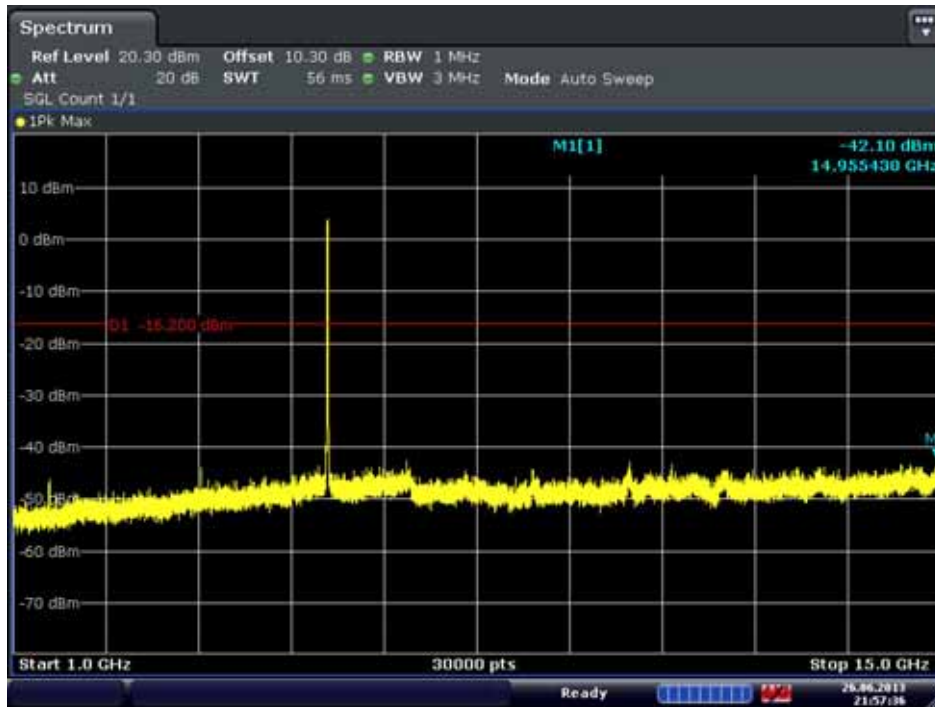
Conducted Spurious Emission (802.11n-CH159)



Date: 26.JUN.2013 21:54:44

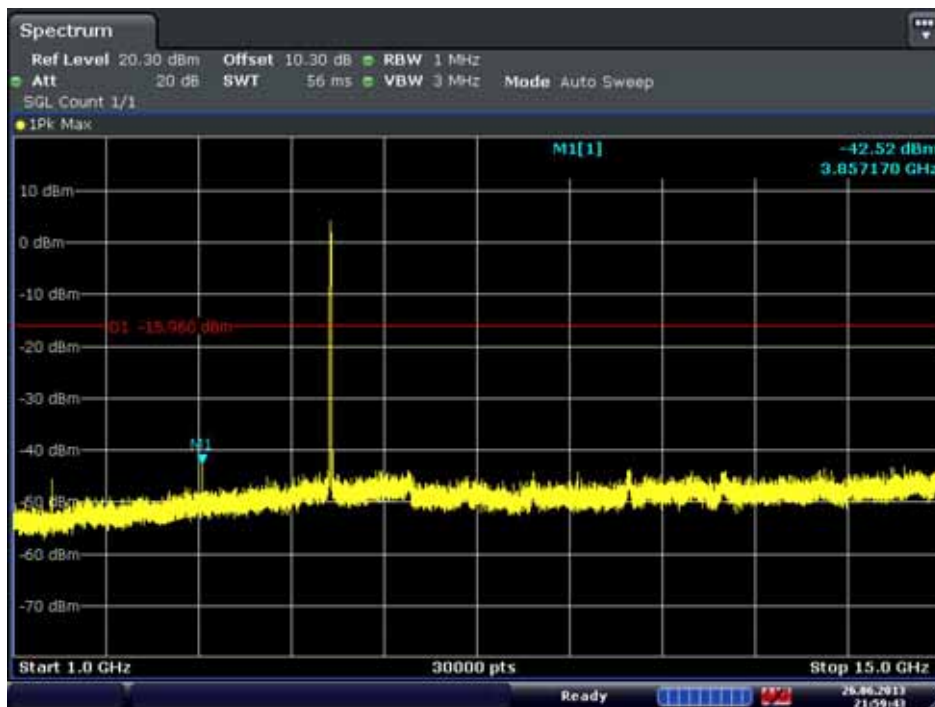
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11ac-CH149) 20 MHz BW



Date: 26.JUN.2013 21:57:36

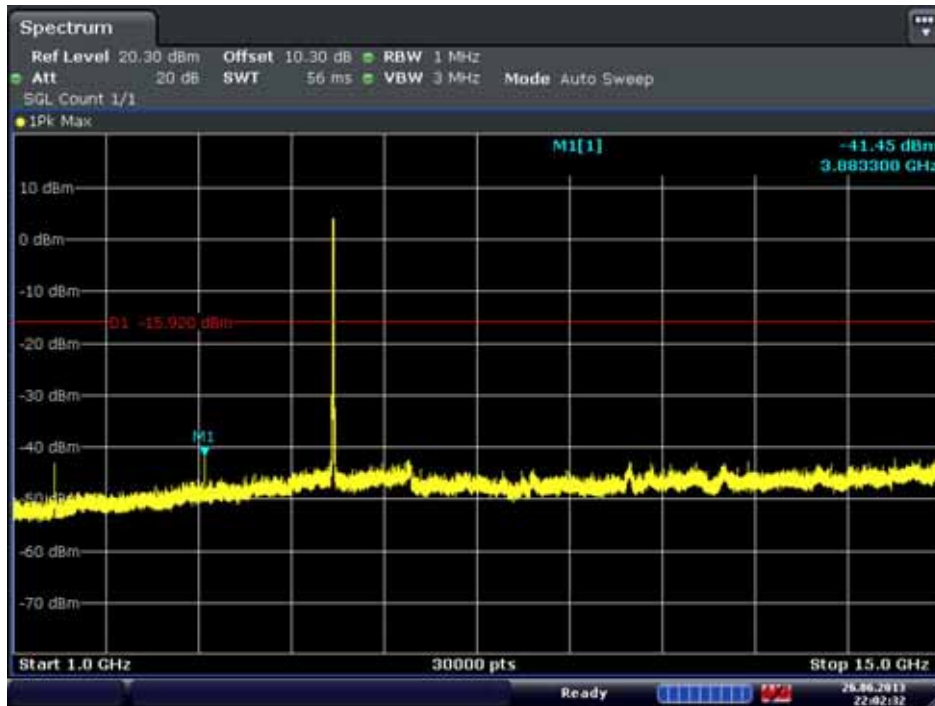
Conducted Spurious Emission (802.11ac-CH157) 20 MHz BW



Date: 26.JUN.2013 21:59:43

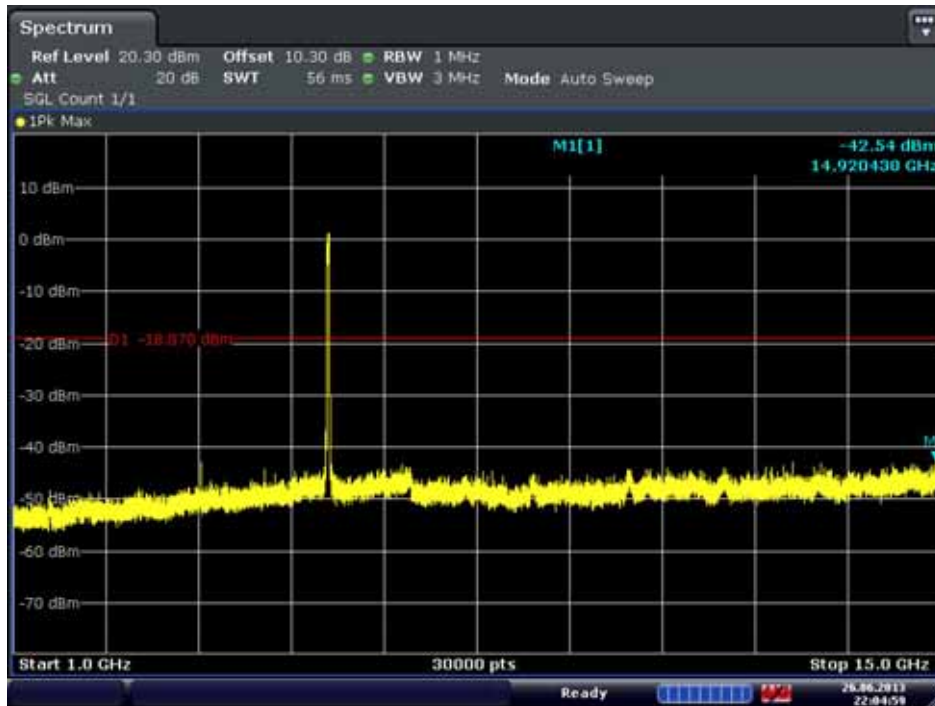
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11ac-CH165) 20 MHz BW



Date: 26.JUN.2013 22:02:32

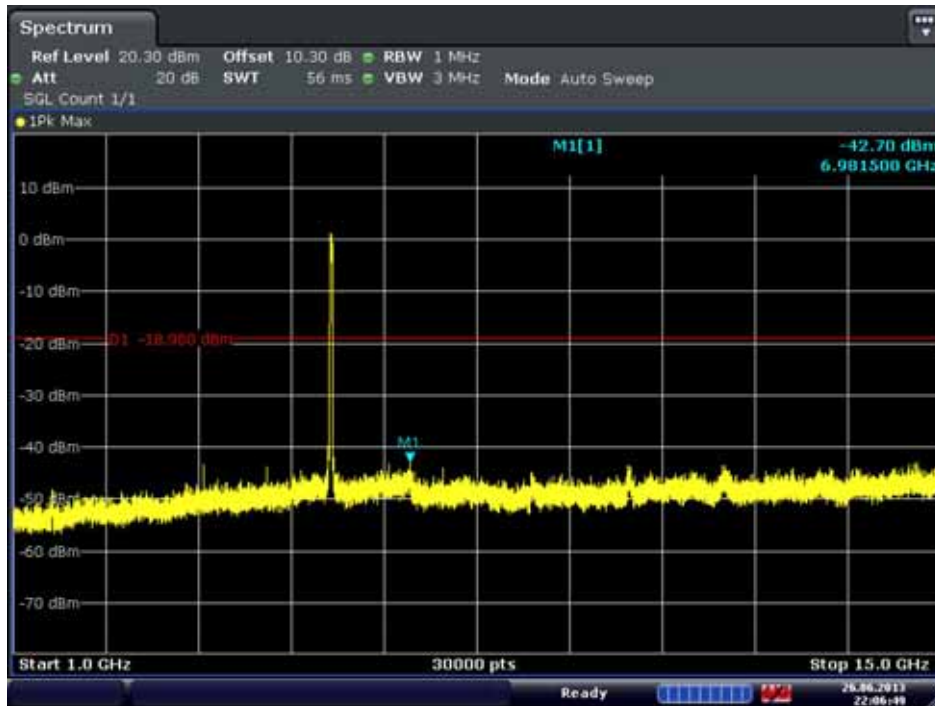
Conducted Spurious Emission (802.11ac-CH151) 40 MHz BW



Date: 26.JUN.2013 22:05:00

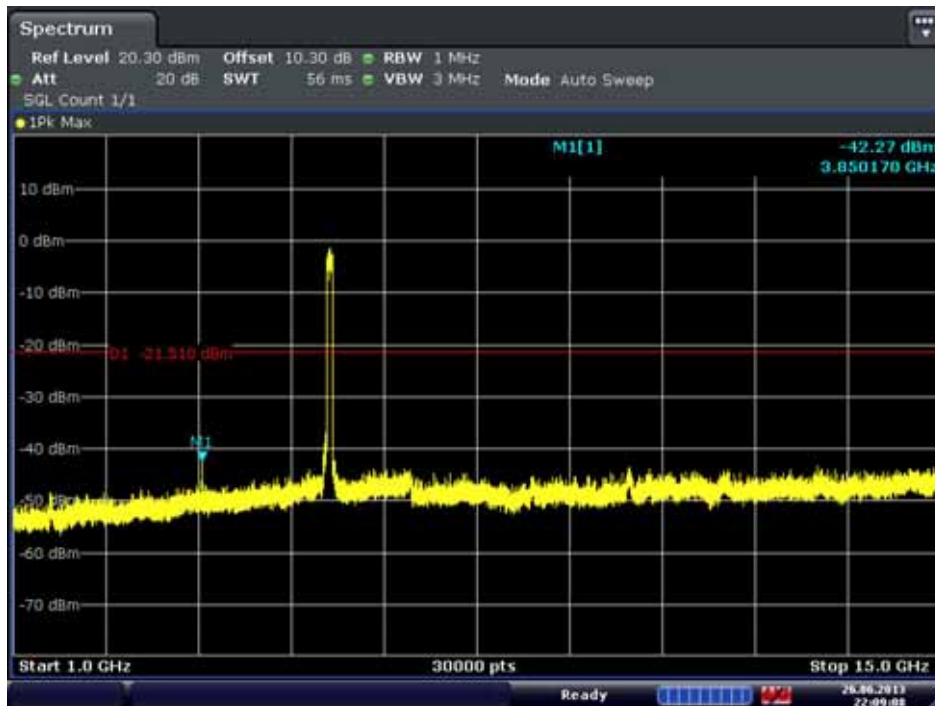
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11ac-CH159) 40 MHz BW



Date: 26.JUN.2013 22:06:49

Conducted Spurious Emission (802.11ac-CH155) 80 MHz BW



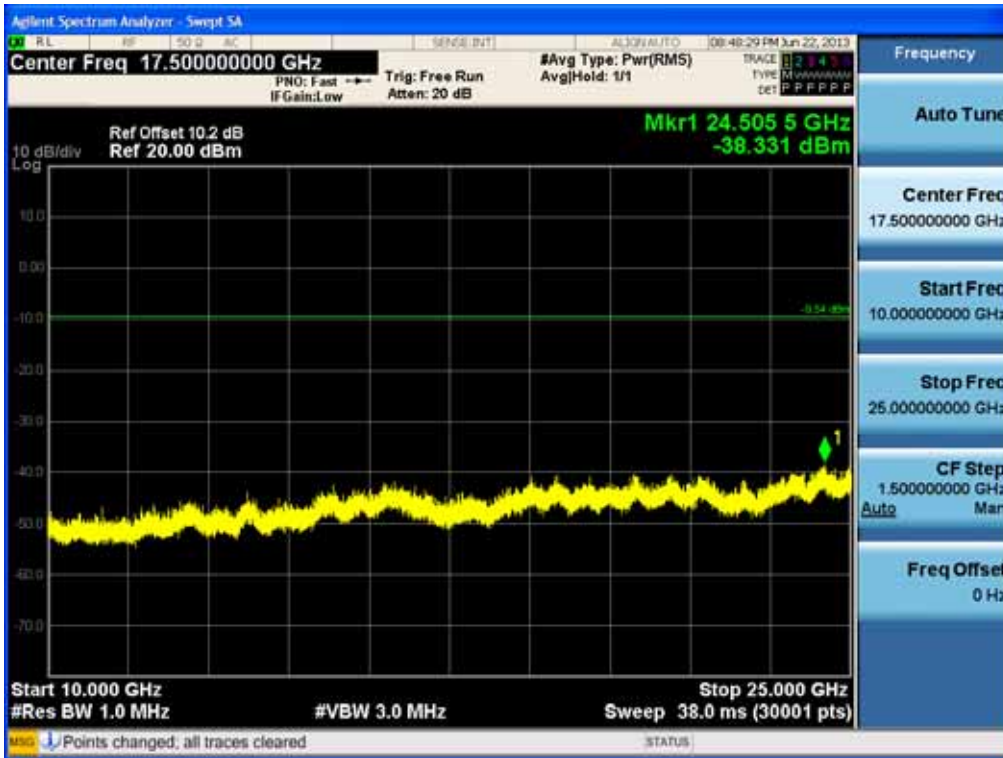
Date: 26.JUN.2013 22:09:08

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

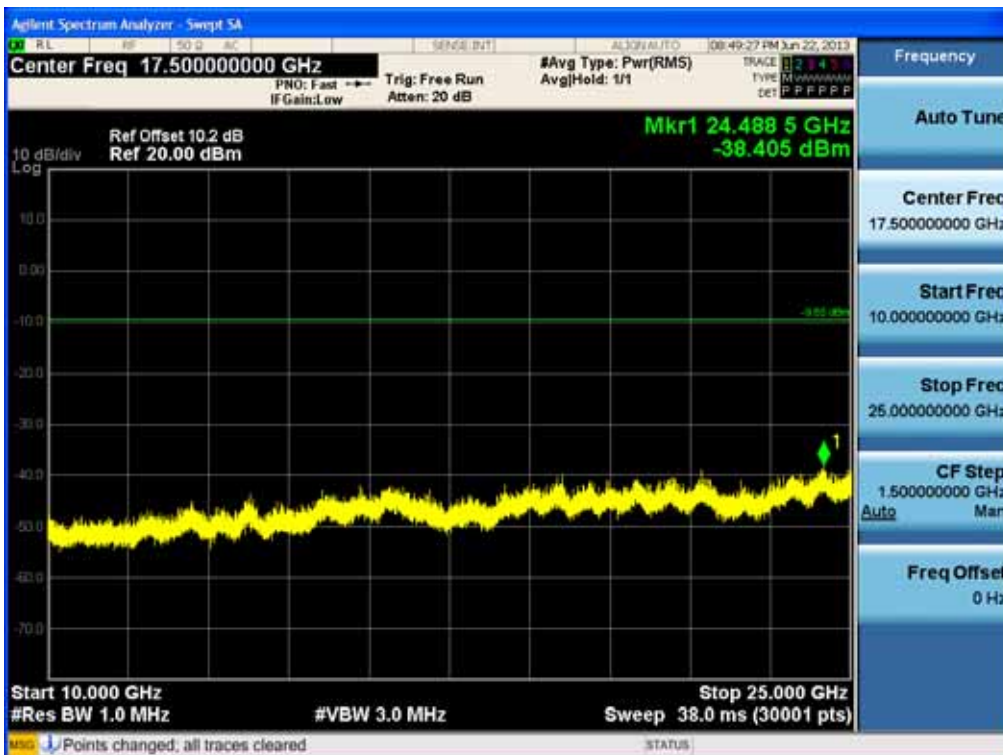


10 GHz ~ 25 GHz

Conducted Spurious Emission (802.11b-CH1)

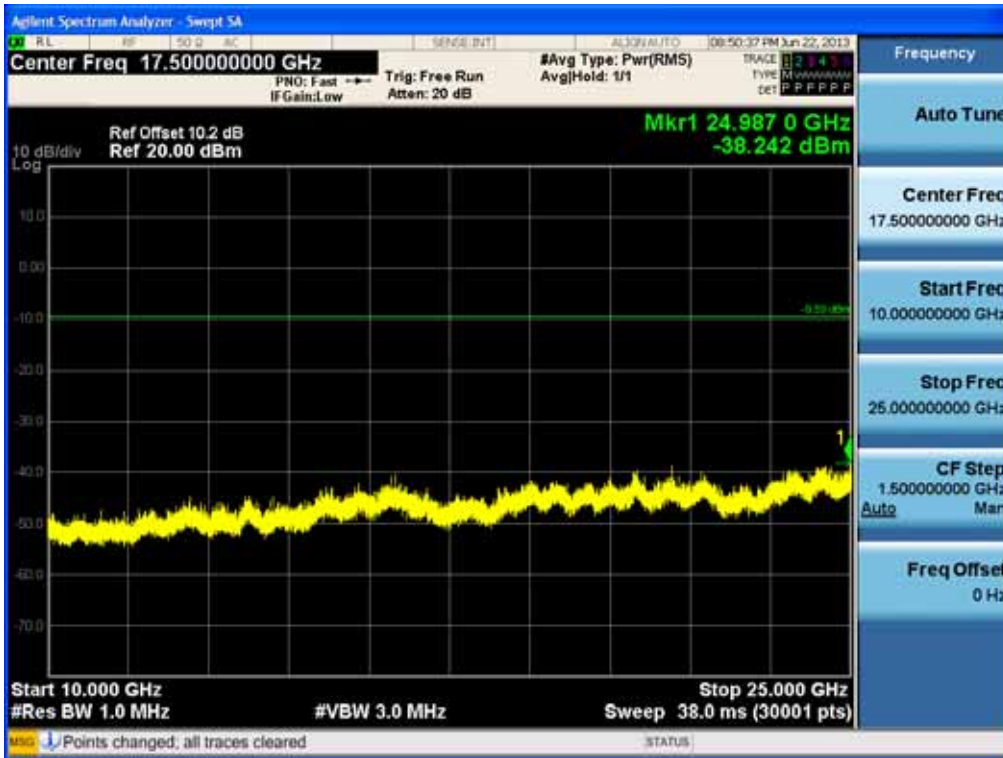


Conducted Spurious Emission (802.11b-CH6)



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11b-CH11)

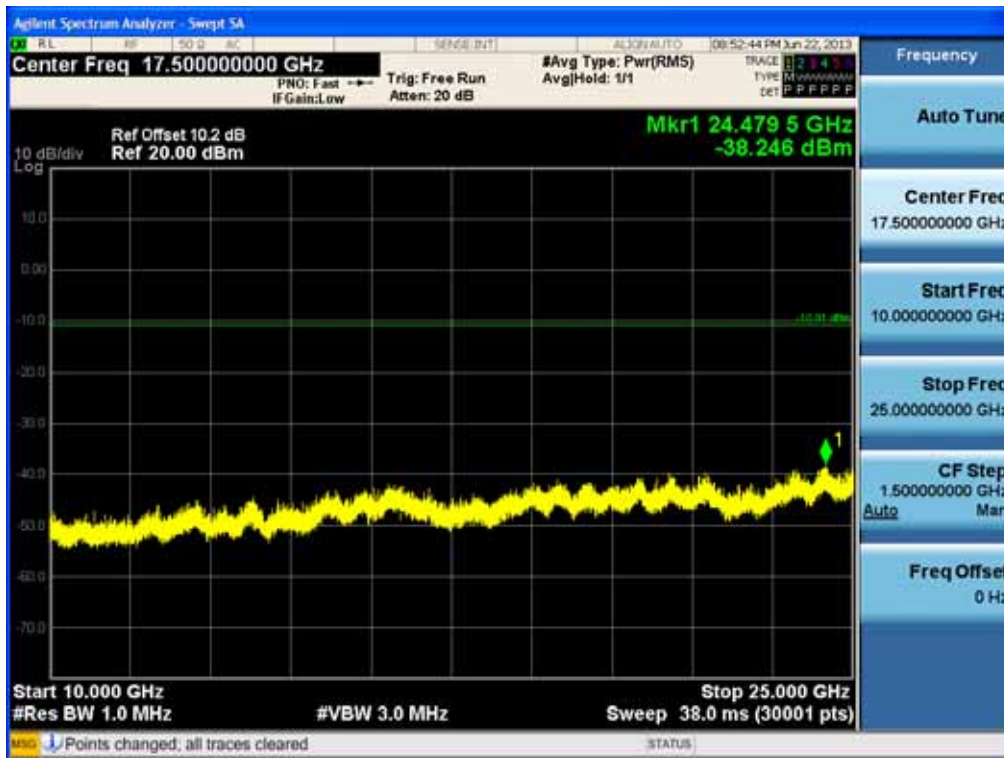


Conducted Spurious Emission (802.11g-CH1)

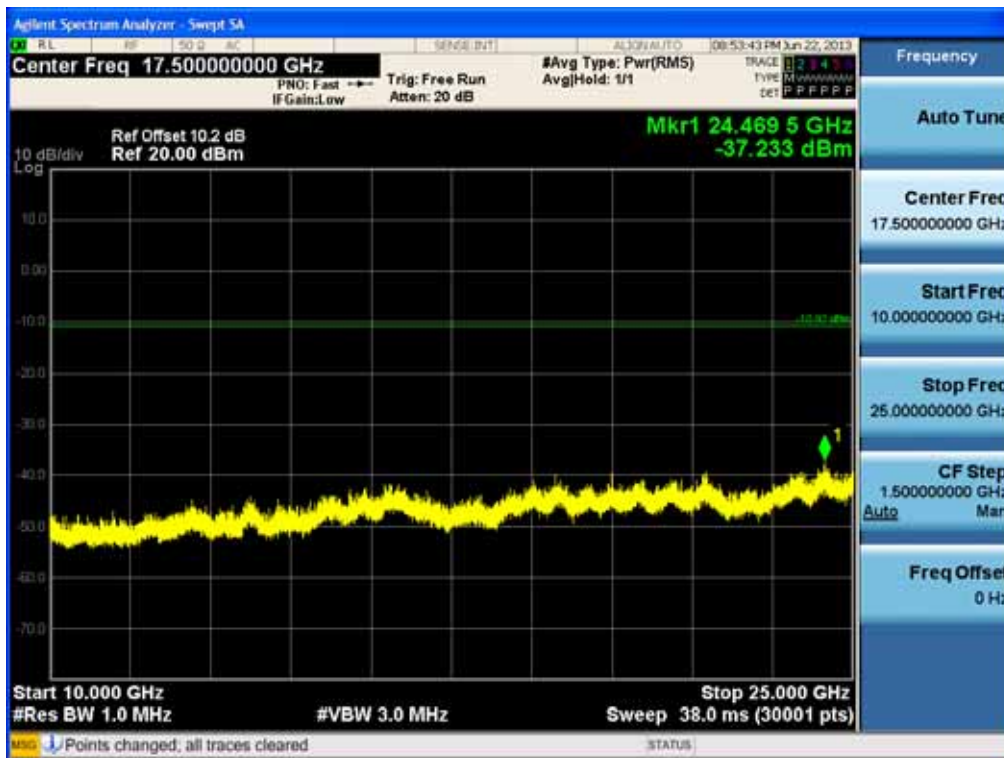


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11g-CH6)

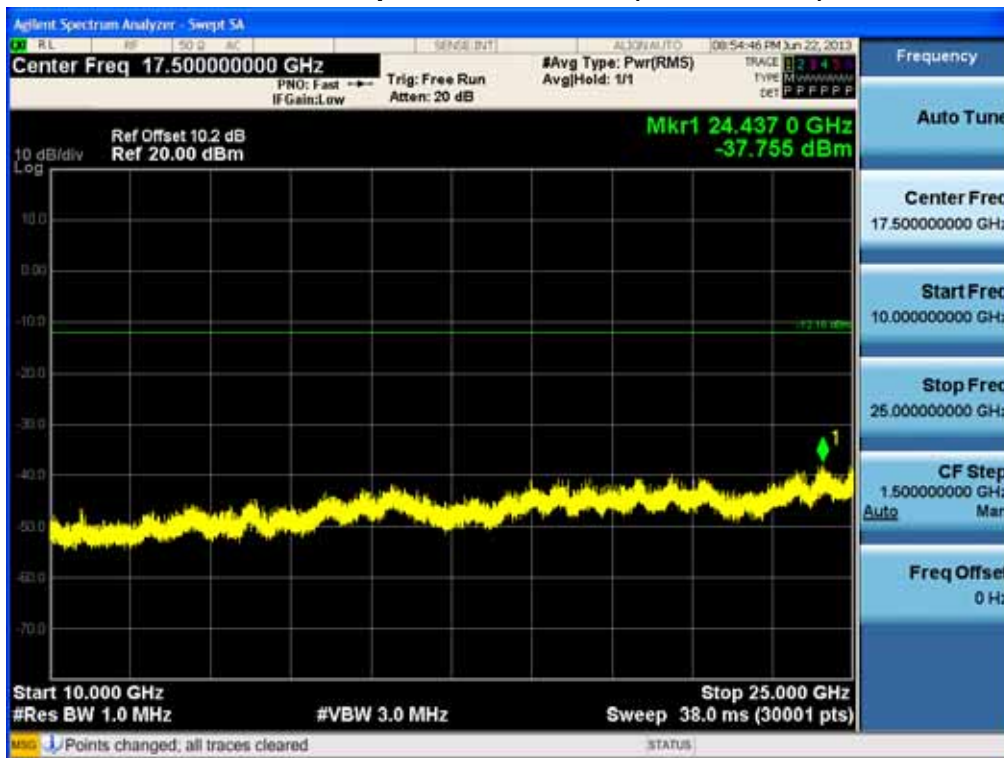


Conducted Spurious Emission (802.11g-CH11)

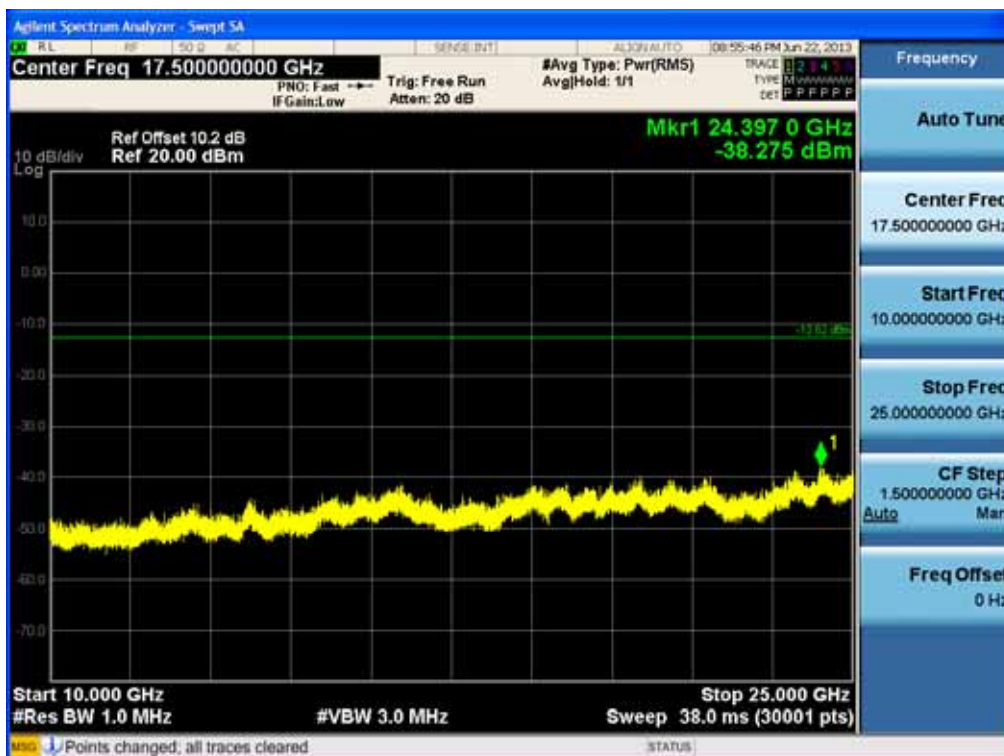


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11n-CH1)

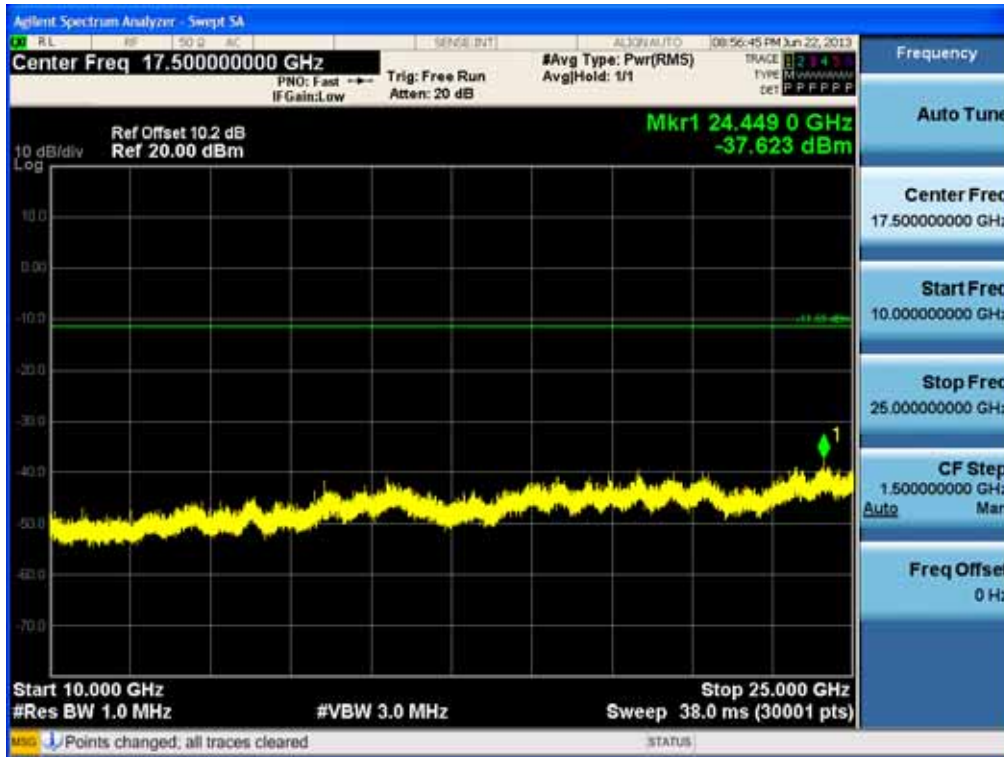


Conducted Spurious Emission (802.11n-CH6)

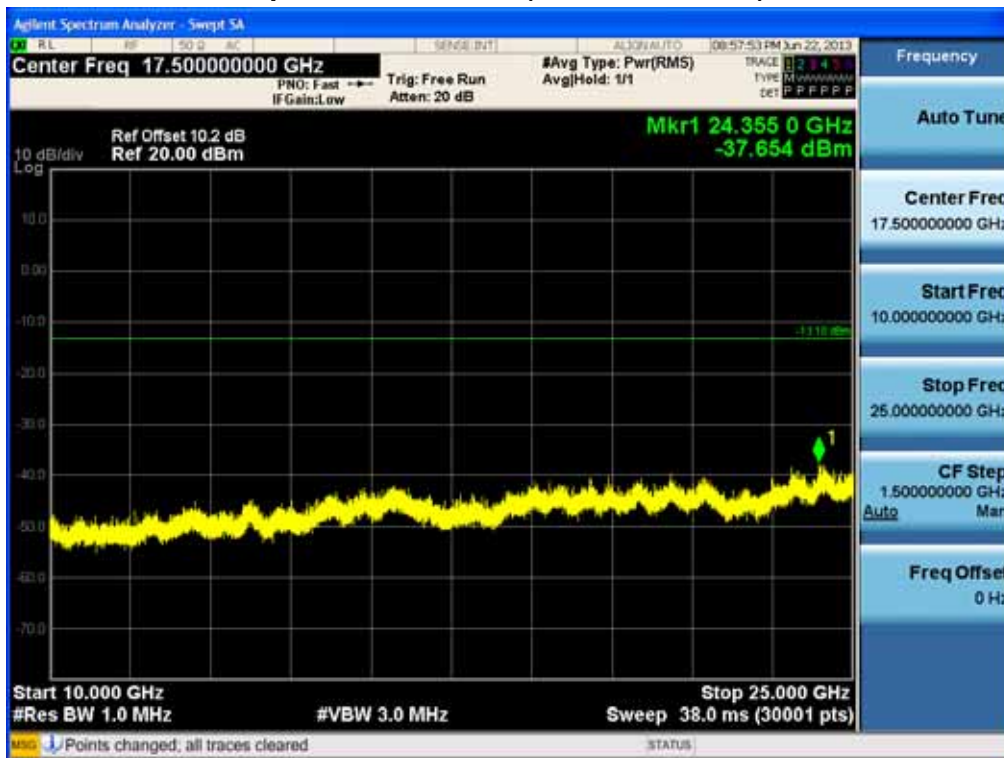


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11n-CH11)

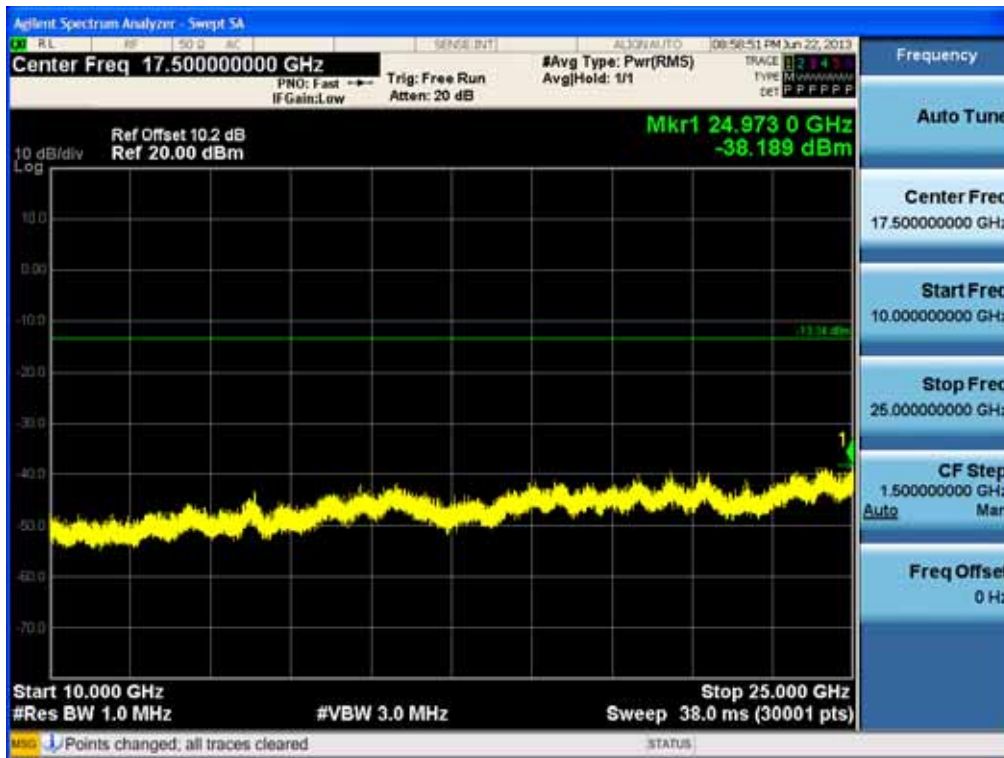


Conducted Spurious Emission (802.11ac-CH149) 20 MHz BW

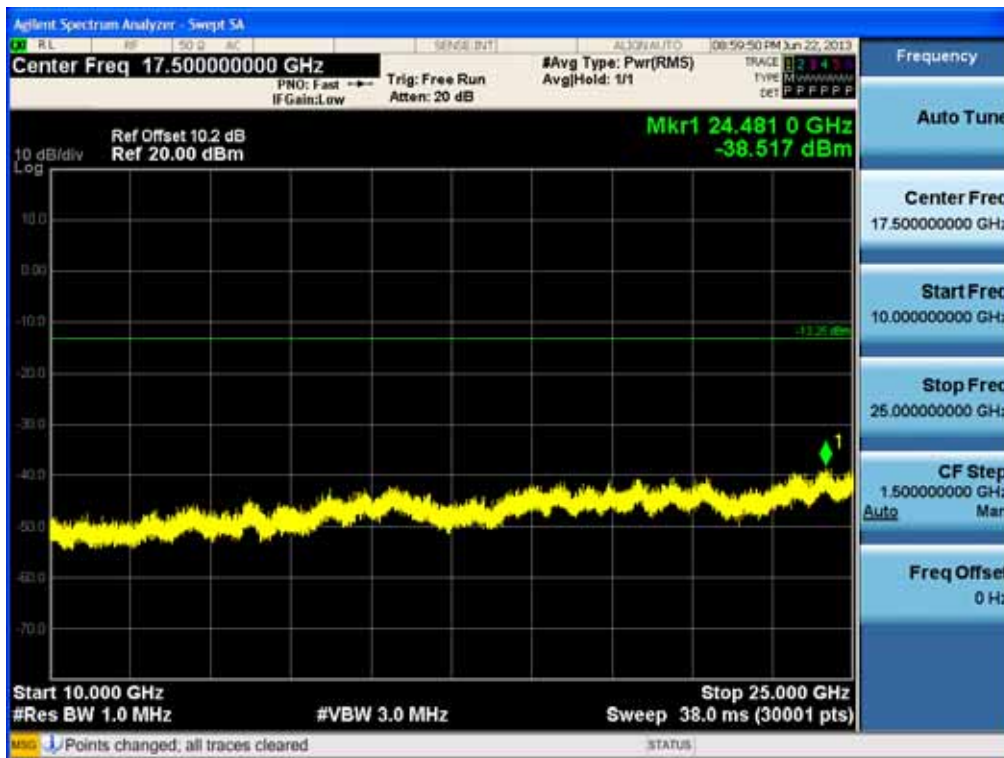


FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11ac-CH157) 20 MHz BW



Conducted Spurious Emission (802.11ac-CH165) 20 MHz BW



FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11a-CH149)



Date: 26.JUN.2013 21:33:06

Conducted Spurious Emission (802.11a-CH157)



Date: 26.JUN.2013 21:38:38

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11a-CH165)



Date: 26 JUN 2013 21:41:07

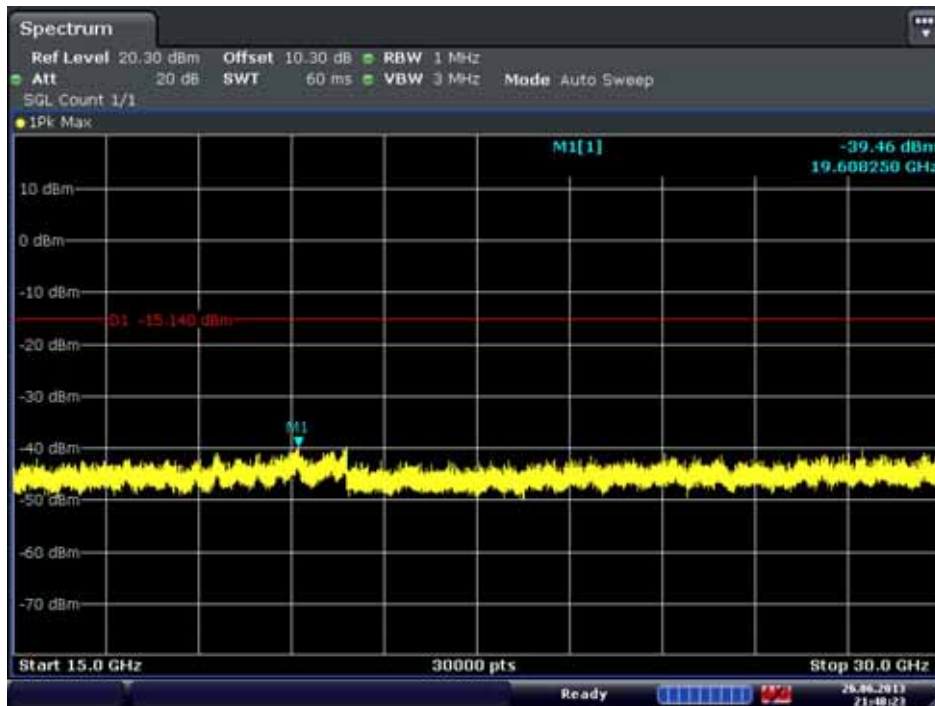
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11n-CH149)



Date: 26.JUN.2013 21:45:45

Conducted Spurious Emission (802.11n-CH157)



Date: 26.JUN.2013 21:48:23

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11n-CH165)



Date: 26.JUN.2013 21:50:42

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11n-CH151)



Date: 26.JUN.2013 21:53:07

Conducted Spurious Emission (802.11n-CH159)



Date: 26.JUN.2013 21:55:12

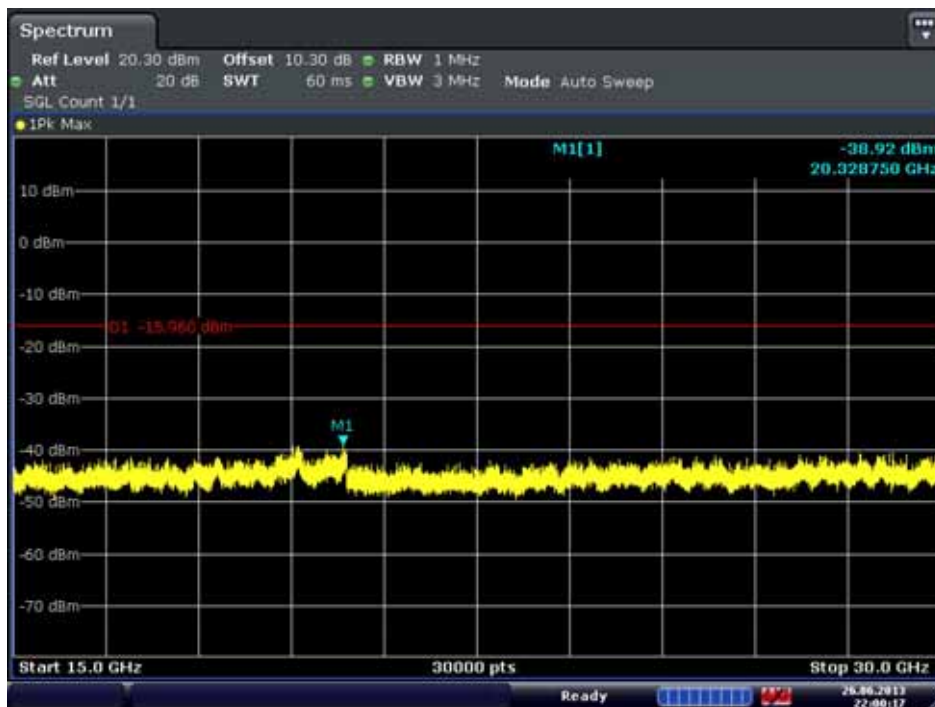
FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F

Conducted Spurious Emission (802.11ac-CH149) 20 MHz BW



Date: 26.JUN.2013 21:58:06

Conducted Spurious Emission (802.11ac-CH157) 20 MHz BW



Date: 26.JUN.2013 22:00:17

FCC PT.15.247 TEST REPORT	FCC CERTIFICATION REPORT		www.hct.co.kr
Test Report No. HCTR1306FR24-2	Date of Issue: July 31, 2013	EUT Type: Cellular/PCS GSM/GPRS/WCDMA/HSDPA/HSUPA Phone with Bluetooth, WLAN and NFC(Felica)	FCC ID: ZNFL01F