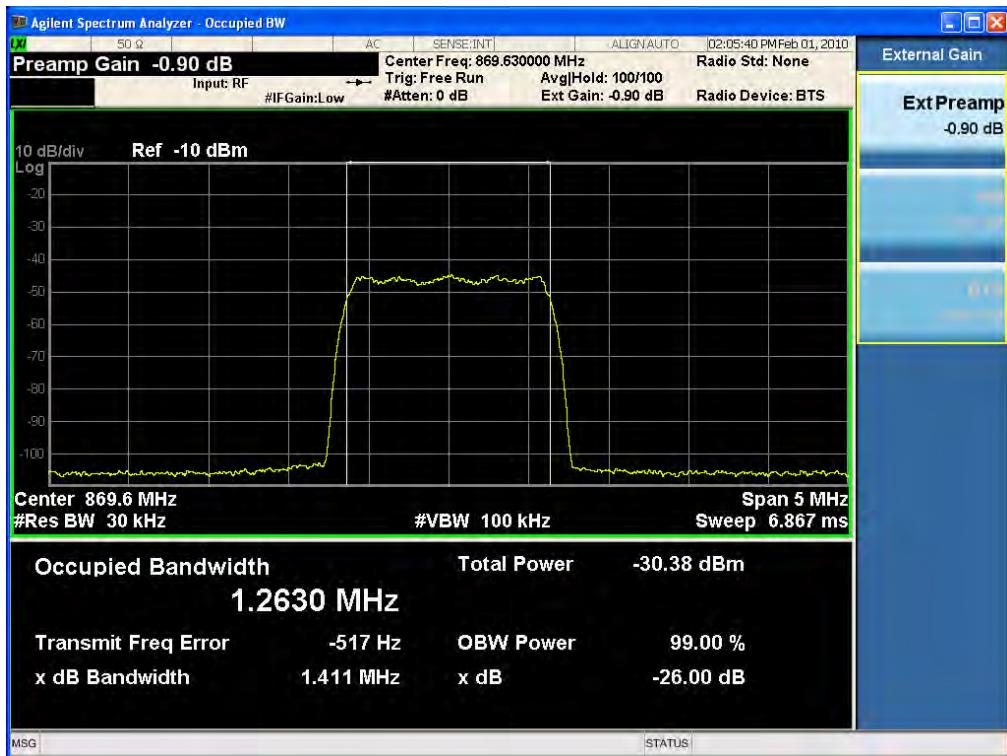
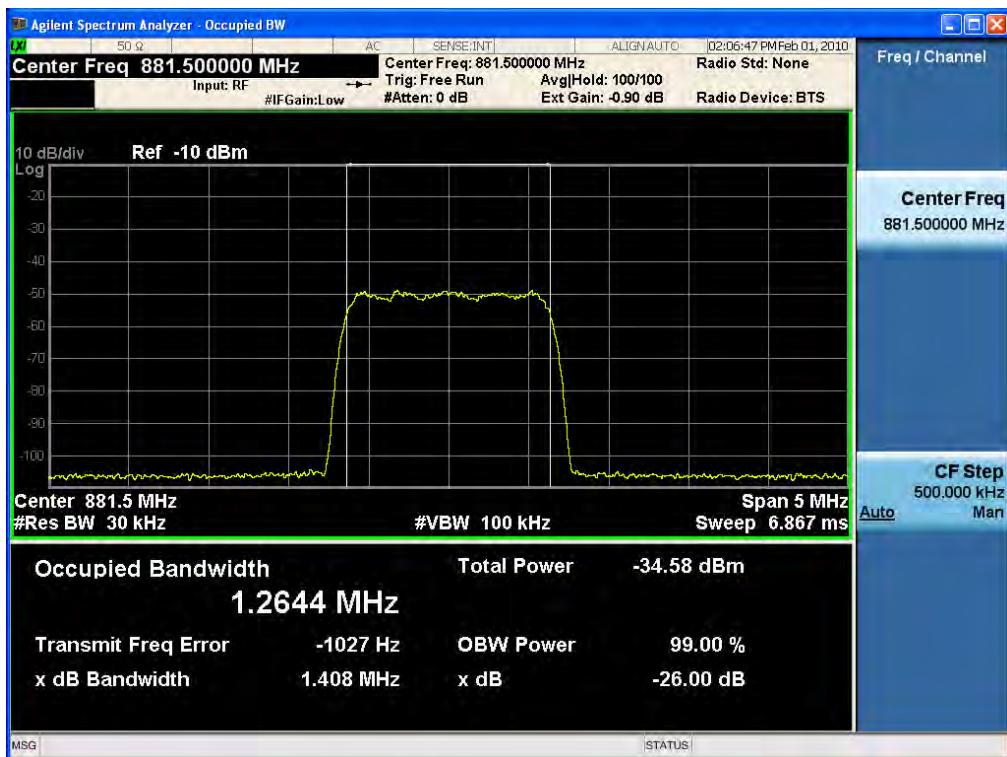


Downlink Low CH (CDMA) Input Signal



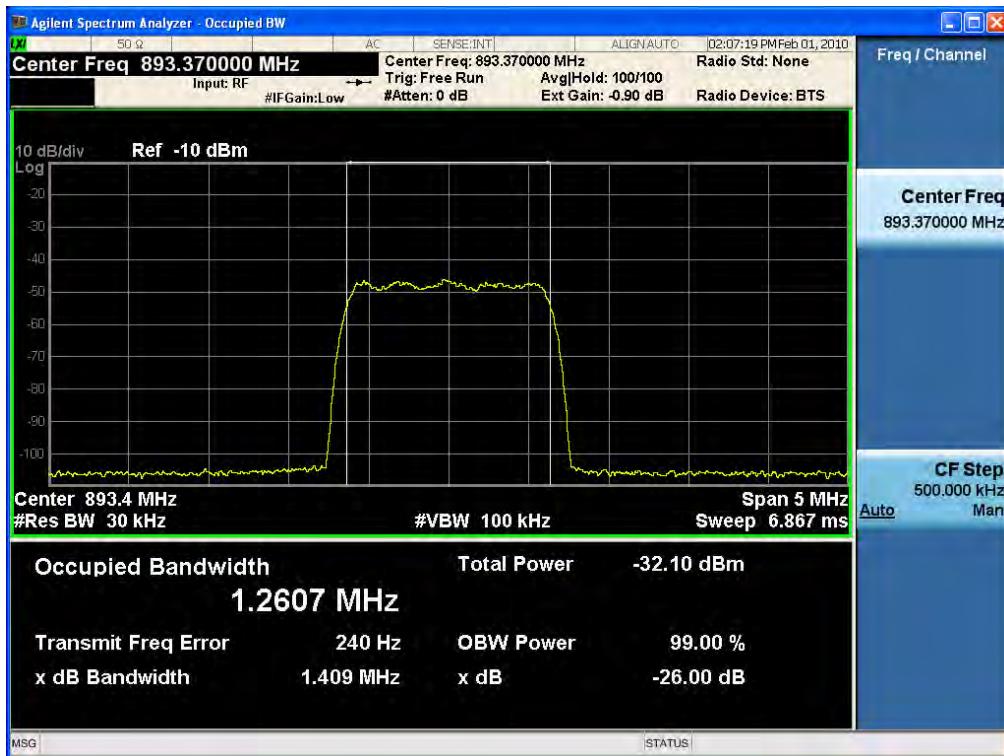
Downlink Mid CH (CDMA) Input Signal



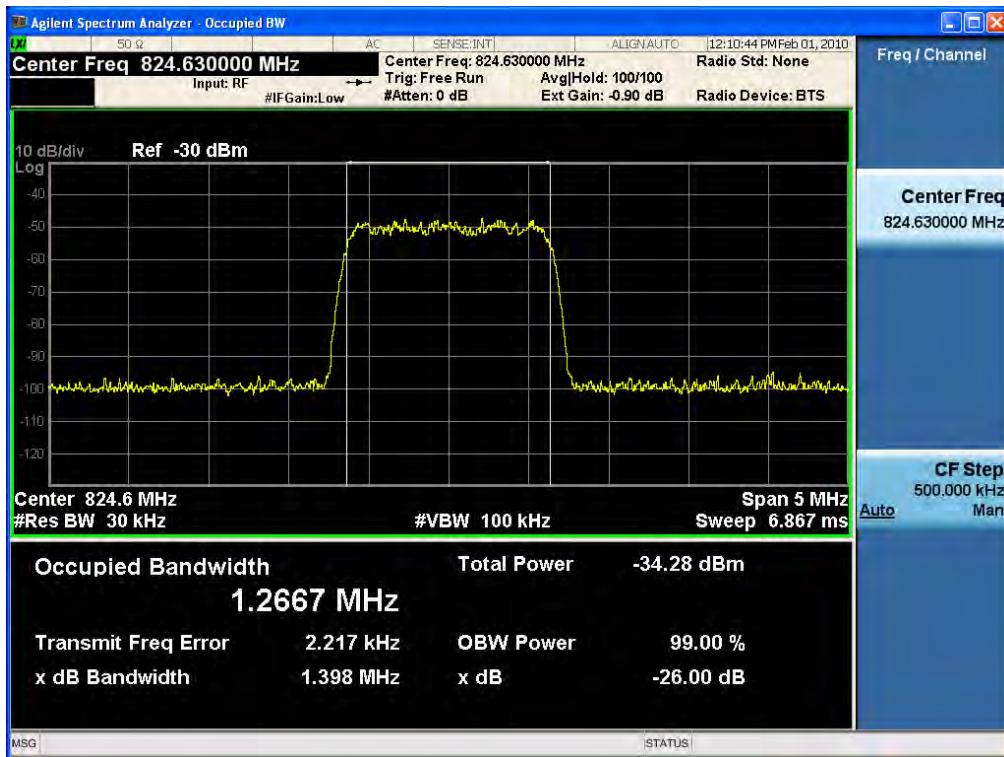
FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

Downlink High CH (CDMA) Input Signal



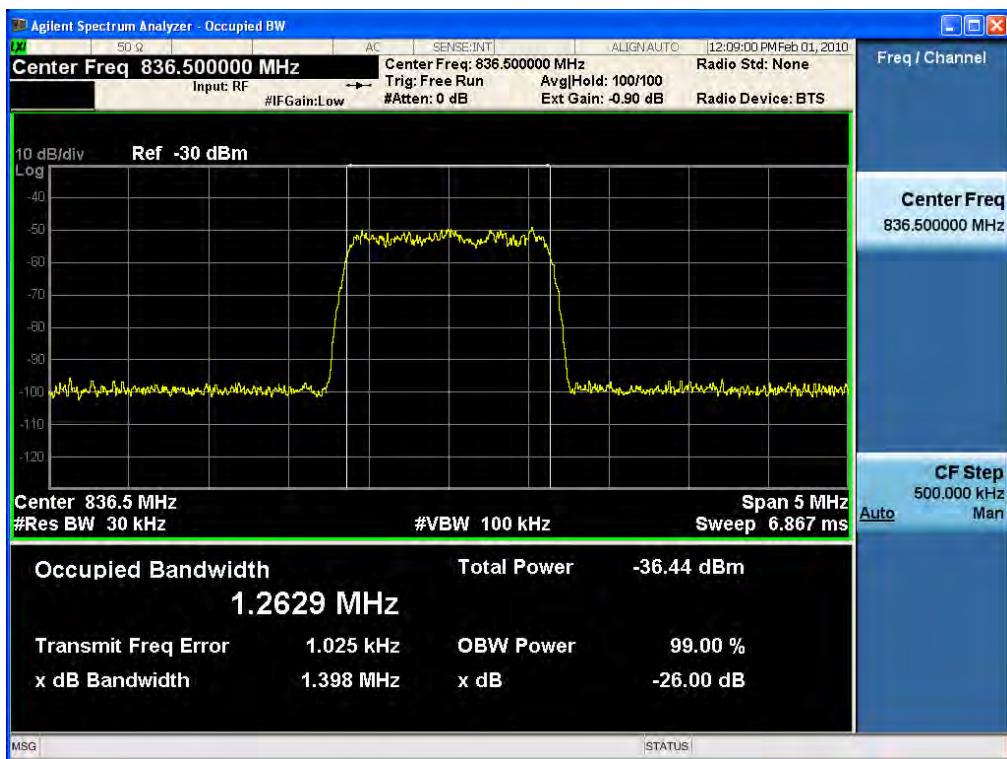
Uplink Low CH (CDMA) Input Signal



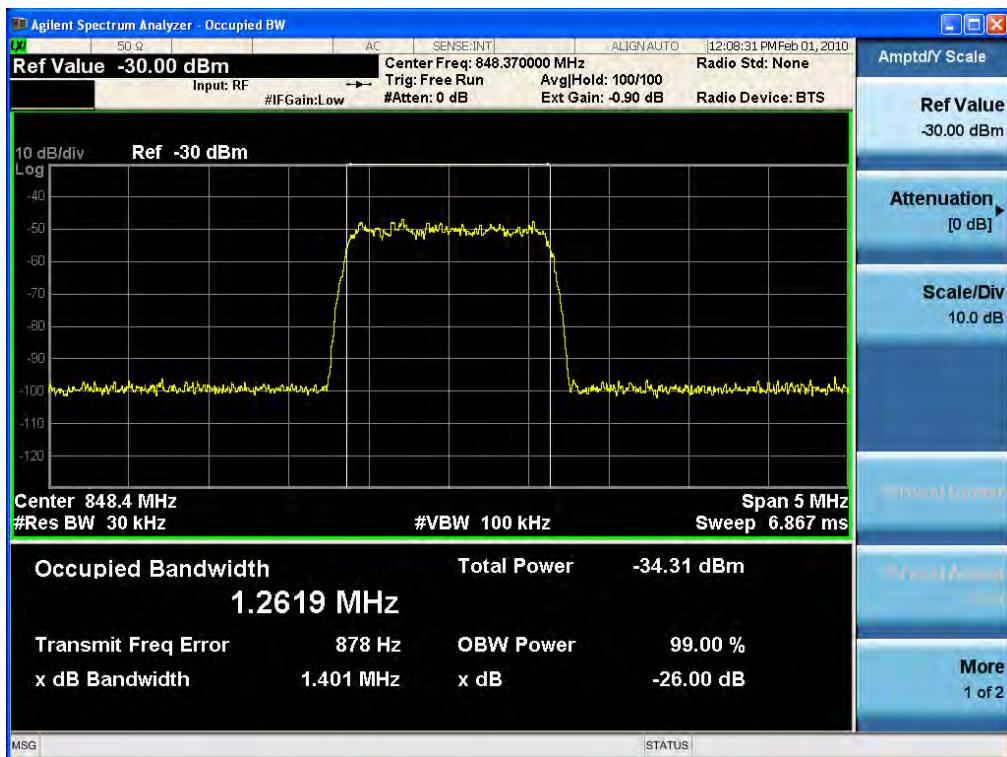
FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

Uplink Mid CH (CDMA) Input Signal



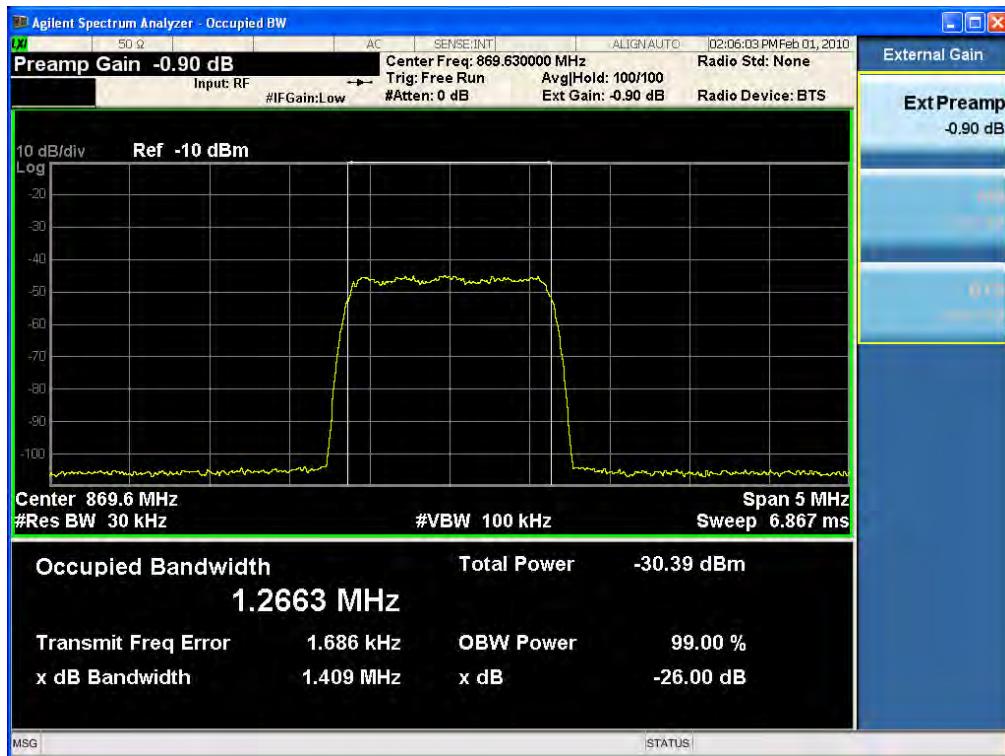
Uplink High CH (CDMA) Input Signal



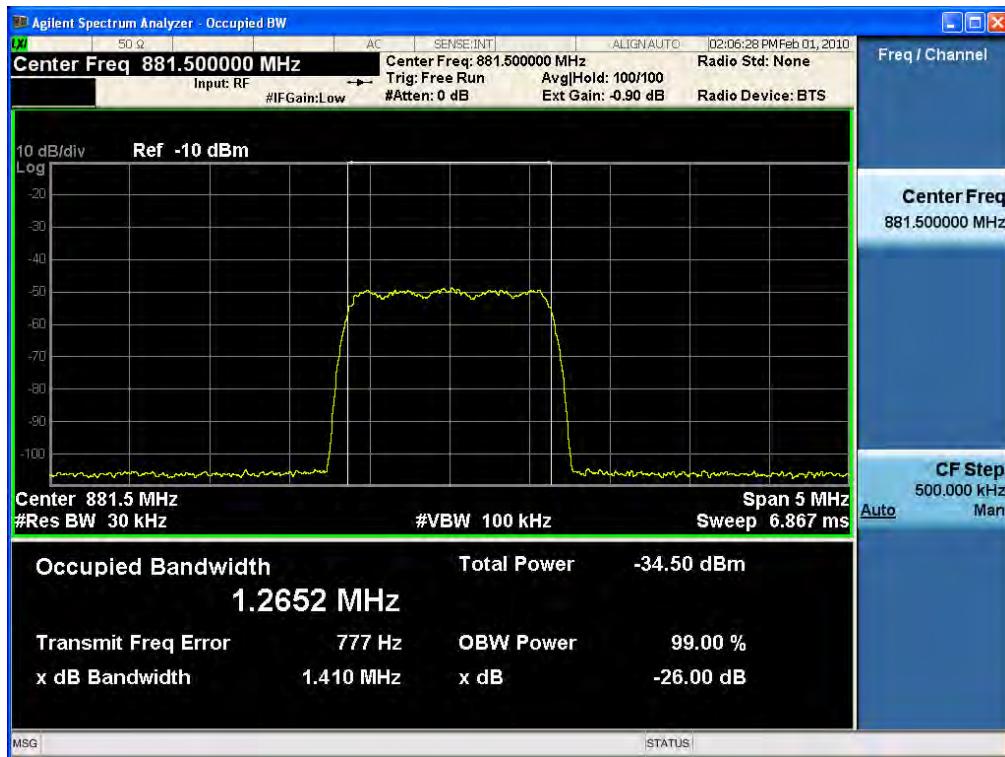
FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

Downlink Low CH (CDMA EVDO) Input Signal



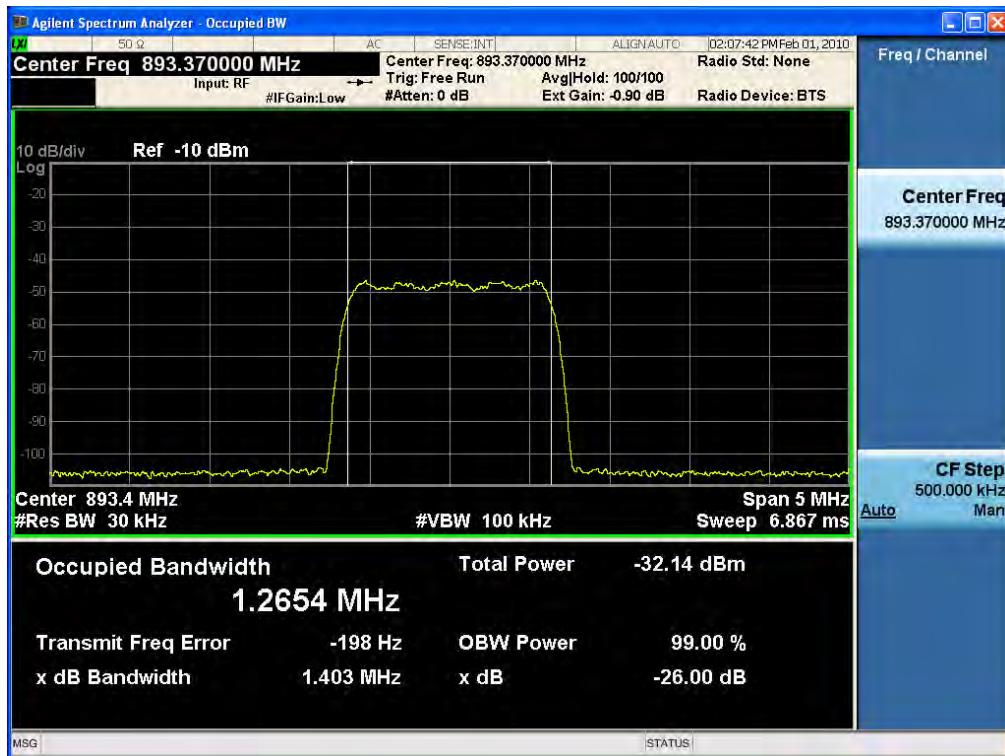
Downlink Mid CH (CDMA EVDO) Input Signal



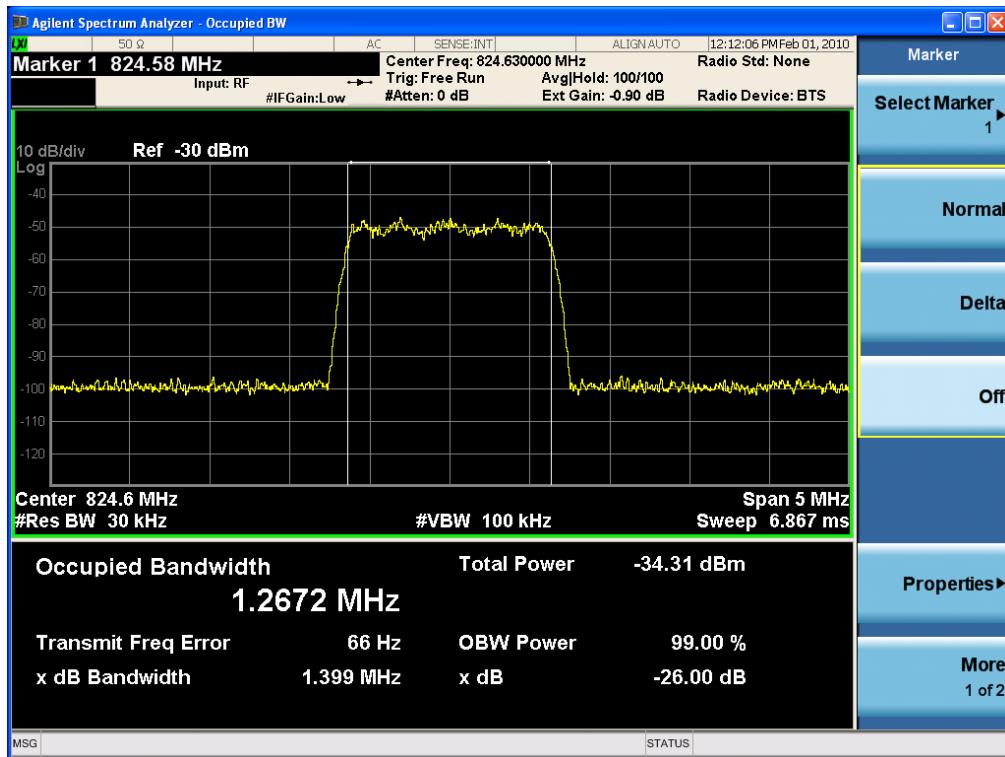
FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

Downlink High CH (CDMA EVDO) Input Signal



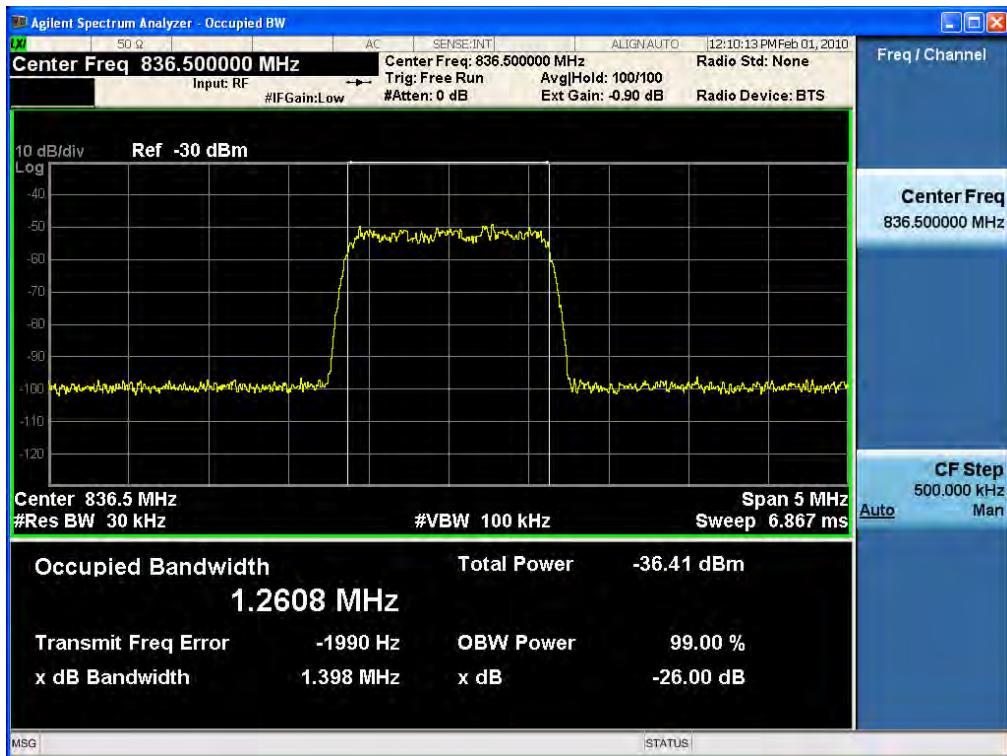
Uplink Low CH (CDMA EVDO) Input Signal



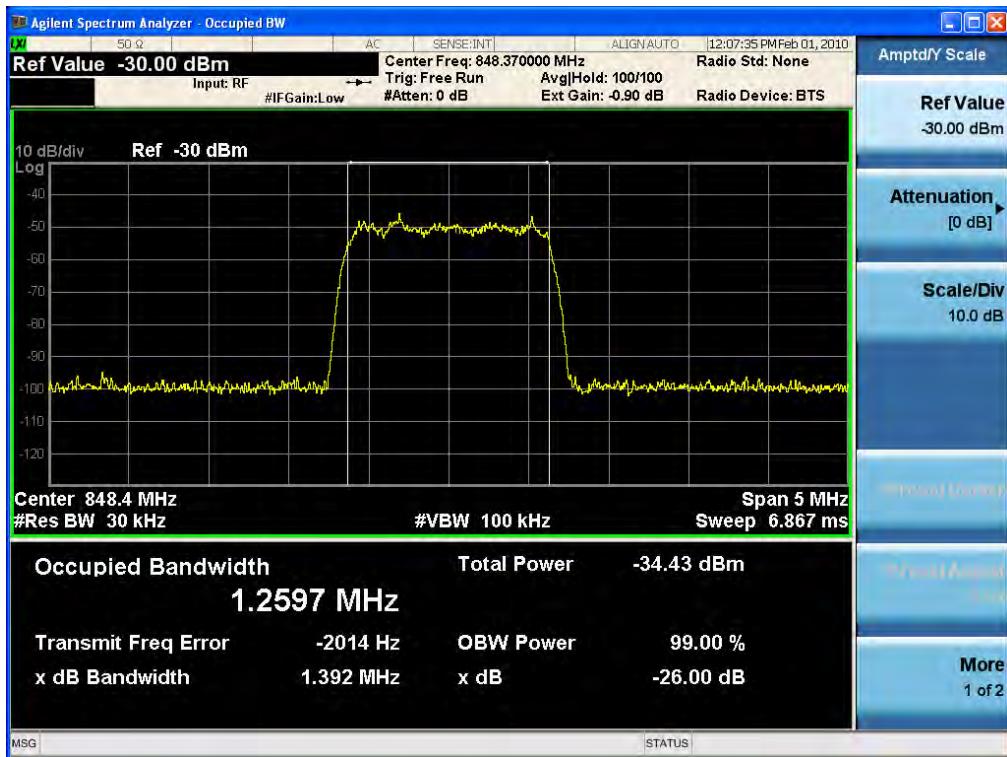
FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

Uplink Mid CH (CDMA EVDO) Input Signal



Uplink High CH (CDMA EVDO) Input Signal

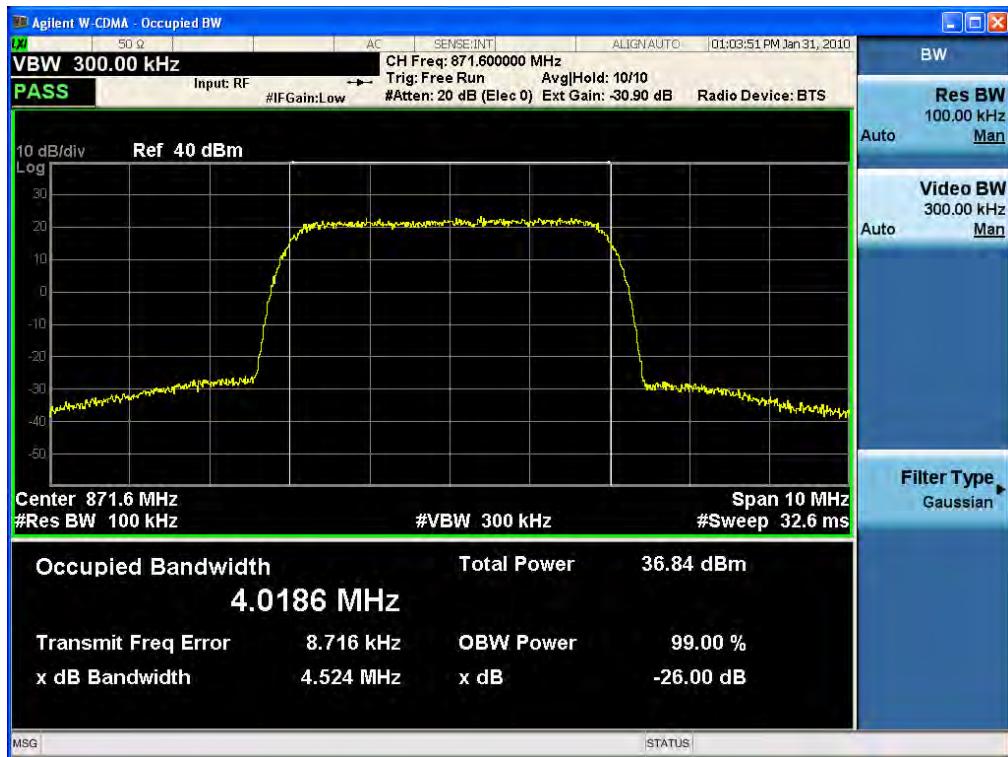


FCC CERTIFICATION REPORT

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			FCC ID: X4O-ICS-F0837

Plots of Occupied Bandwidth (99 %)

Downlink Low CH WCDMA



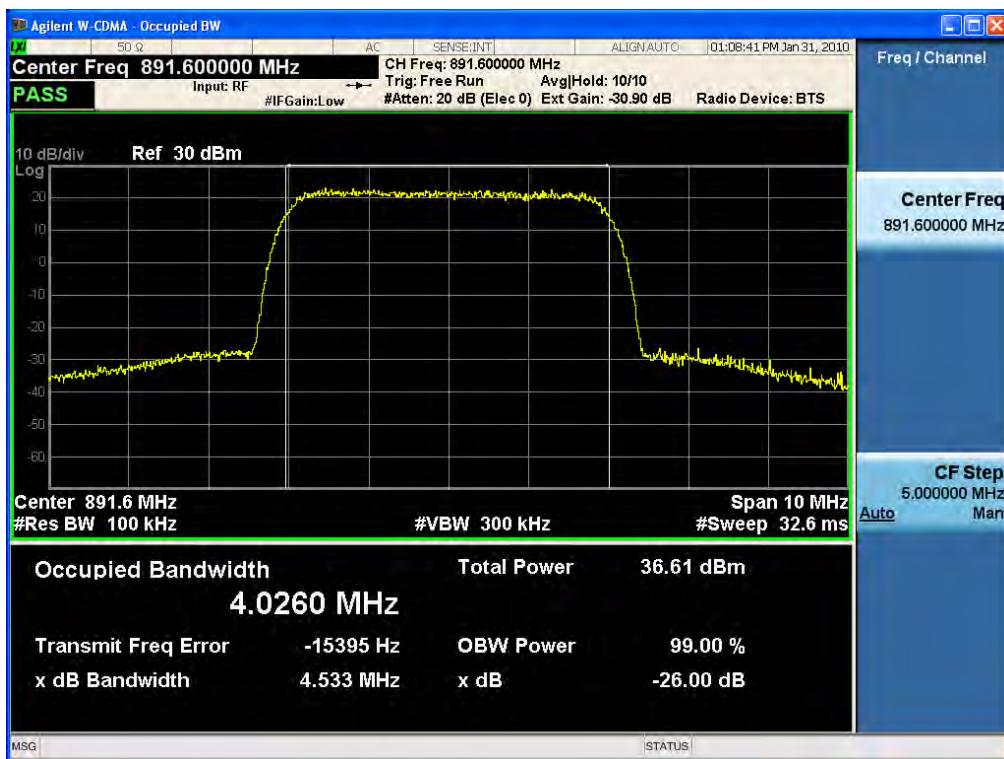
Downlink Mid CH WCDMA



FCC CERTIFICATION REPORT

Test Report No.	Date of Issue:	EUT Type:	www.hct.co.kr
HCTR1001FR09	January 31, 2010	ICS-Digital Relay	FCC ID: X40-ICS-F0837

Downlink High CH WCDMA



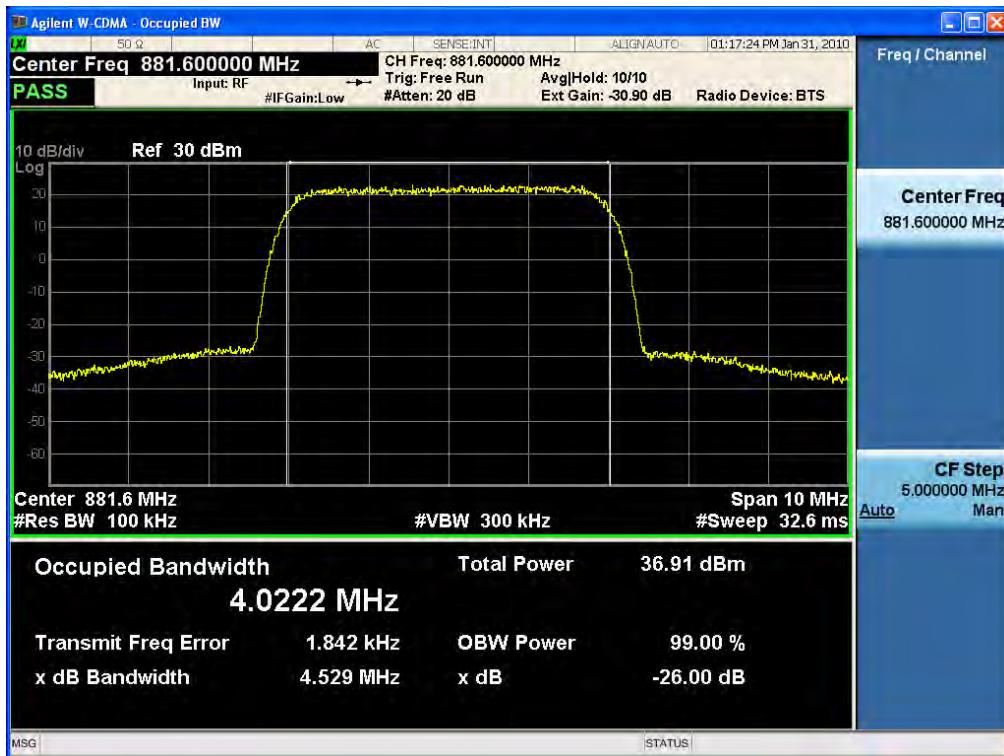
Downlink Low CH WCDMA HSDPA



FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

Downlink Mid CH WCDMA HSDPA



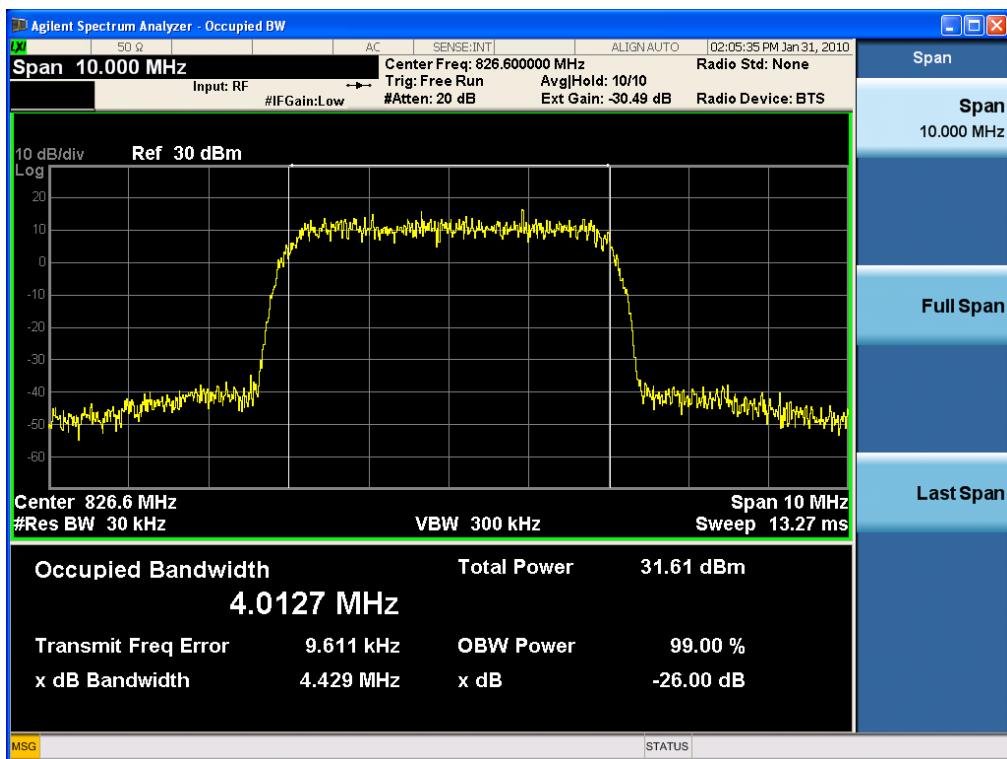
Downlink High CH WCDMA HSDPA



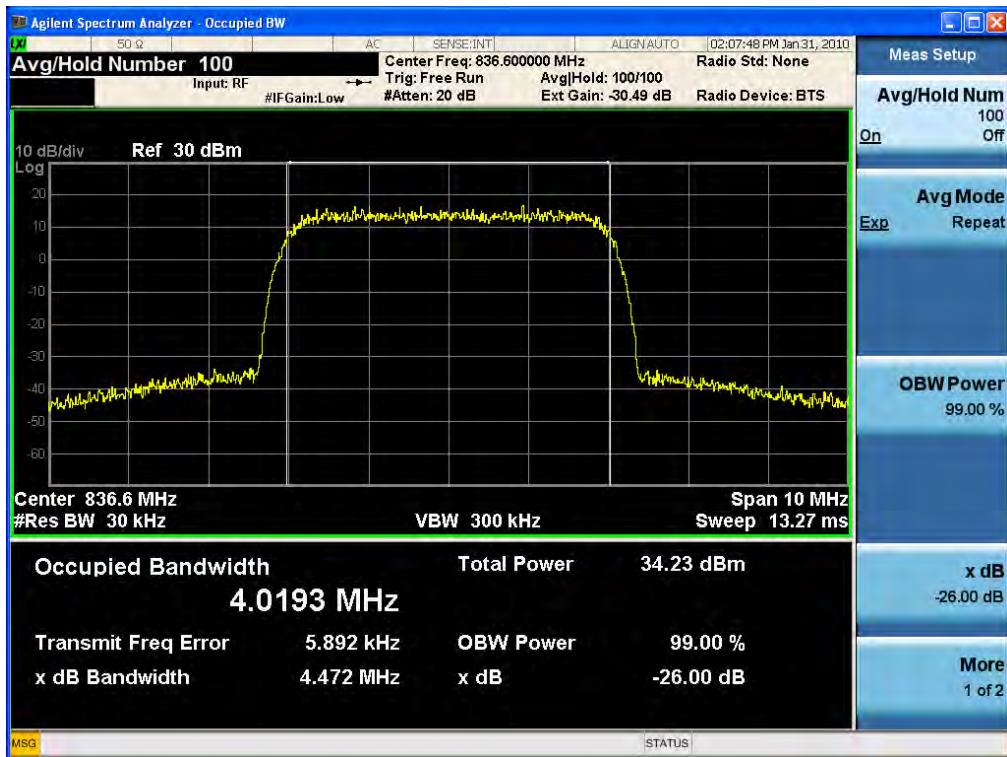
FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

Uplink Low CH WCDMA



Uplink Mid CH WCDMA



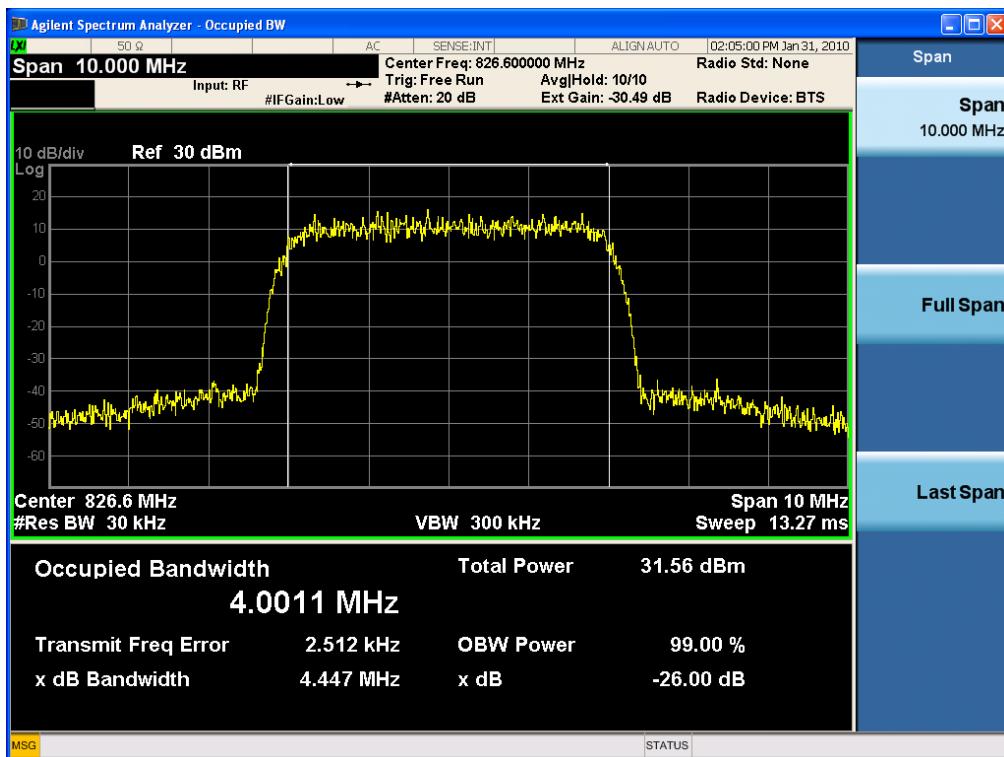
FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

Uplink High CH WCDMA



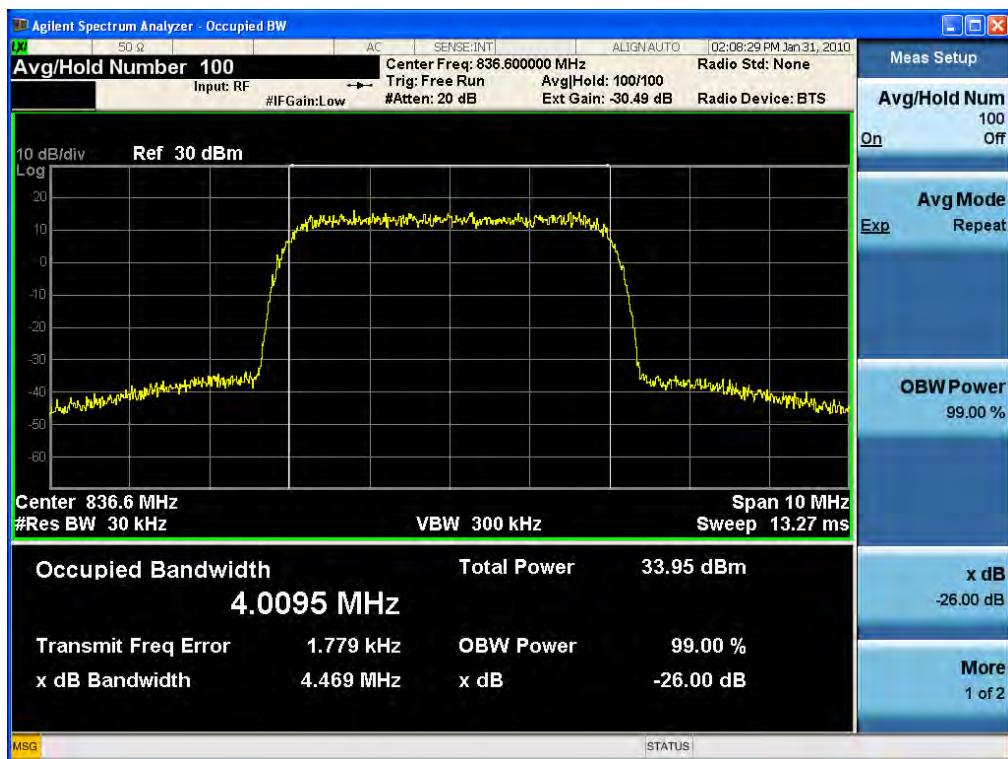
Uplink Low CH WCDMA HSDPA



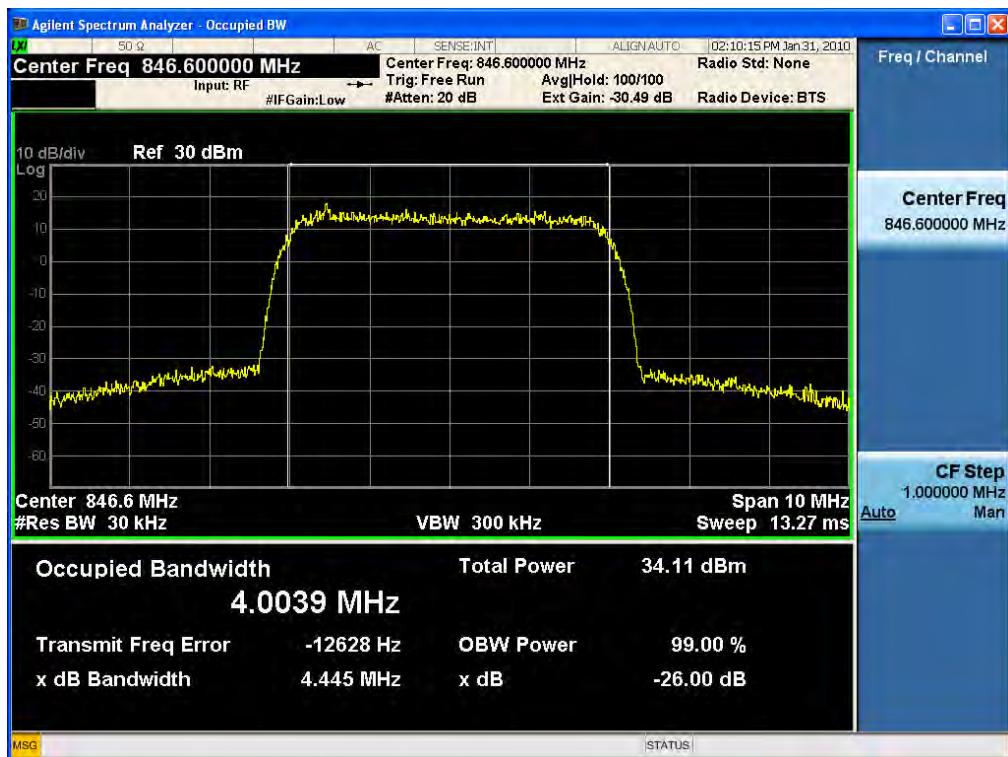
FCC CERTIFICATION REPORT

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			FCC ID: X4O-ICS-F0837

Uplink Mid CH WCDMA HSDPA



Uplink High CH WCDMA HSDPA



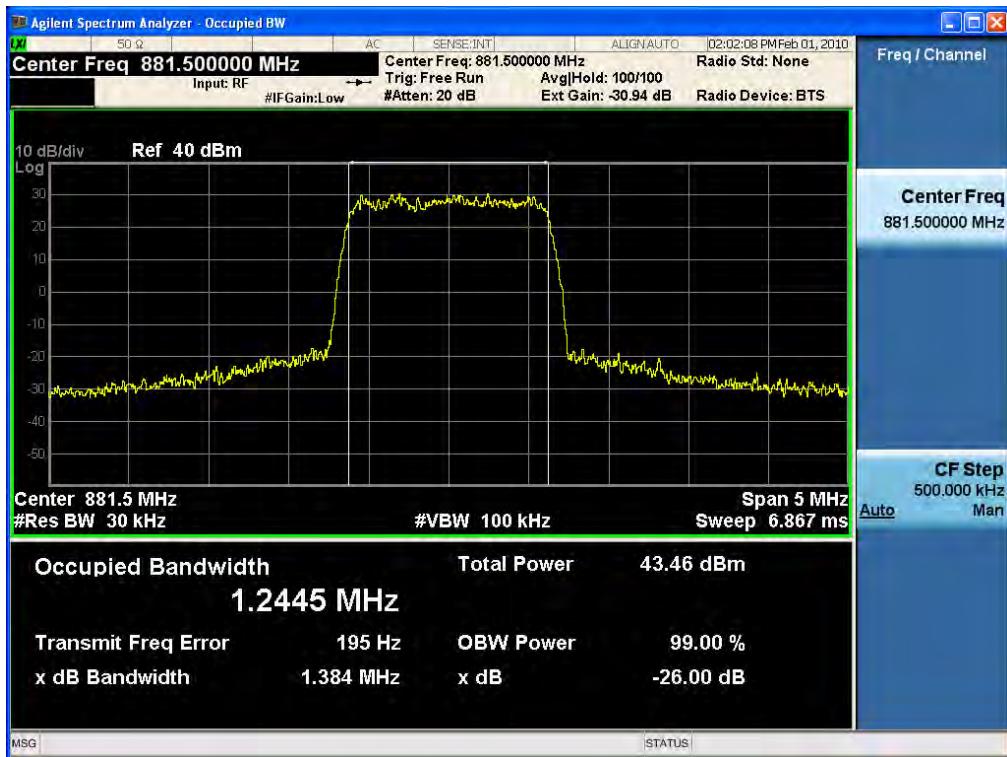
FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

Downlink Low CH CDMA



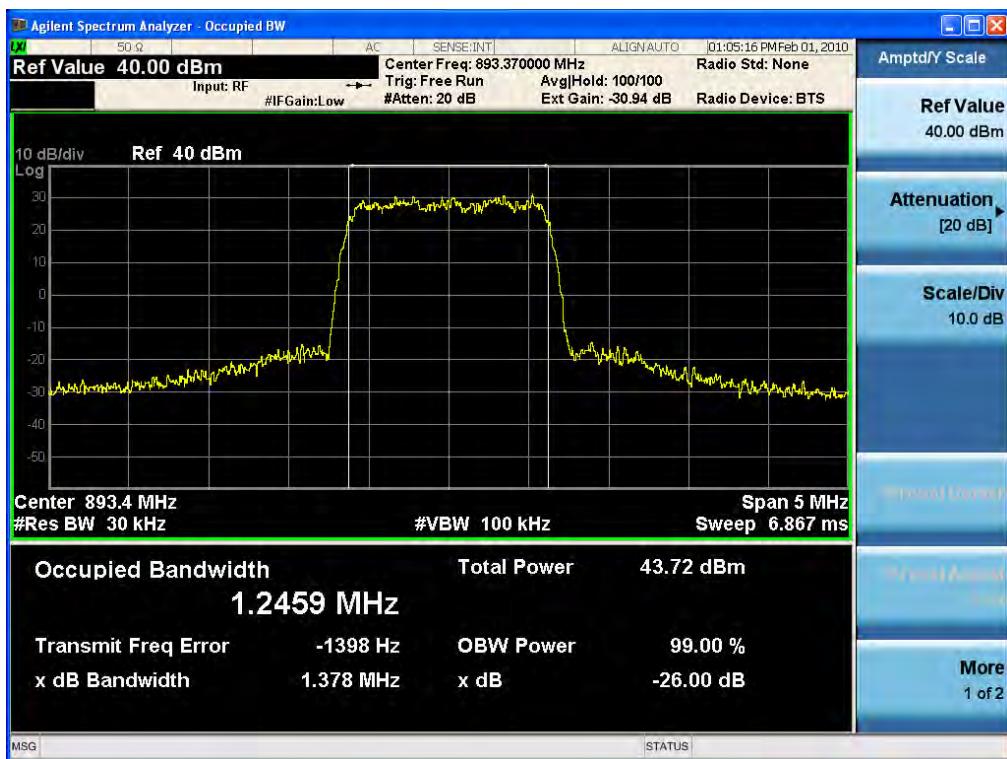
Downlink Mid CH CDMA



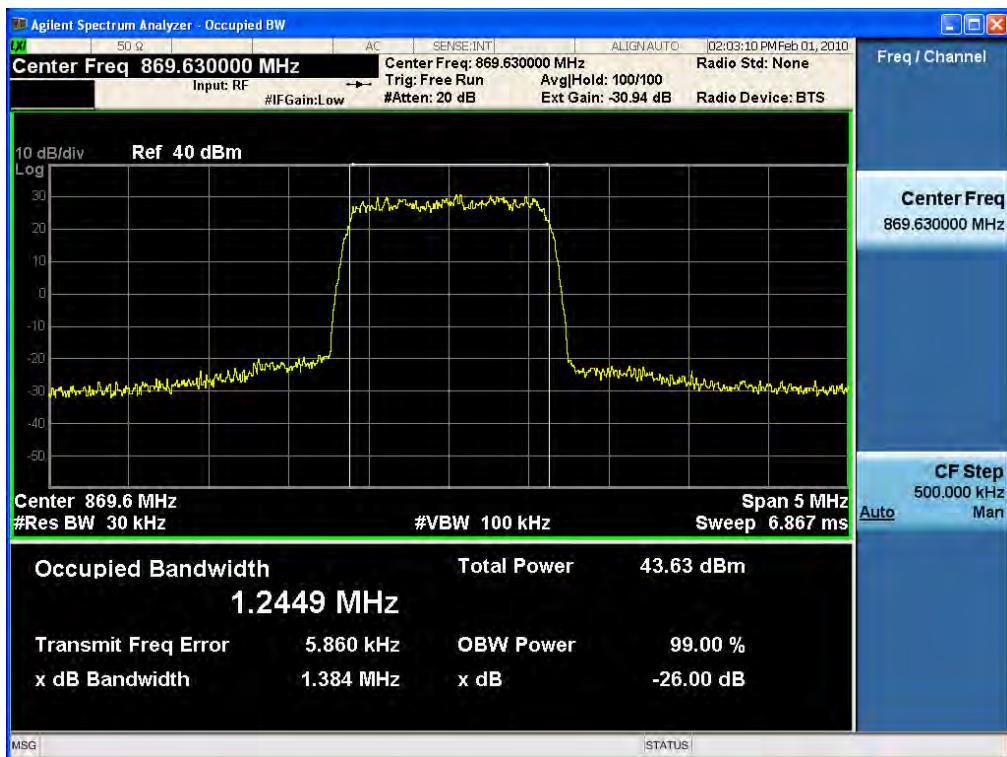
FCC CERTIFICATION REPORT

Test Report No.	Date of Issue:	EUT Type:	www.hct.co.kr
HCTR1001FR09	January 31, 2010	ICS-Digital Relay	FCC ID: X4O-ICS-F0837

Downlink High CH CDMA



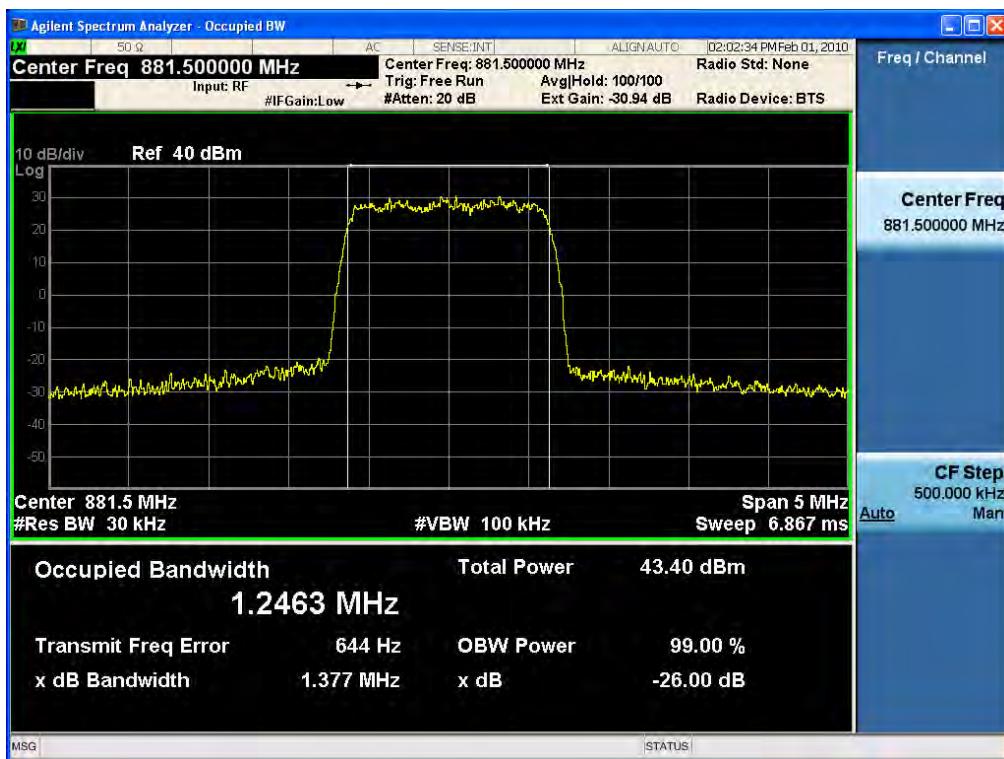
Downlink Low CH CDMA EVDO



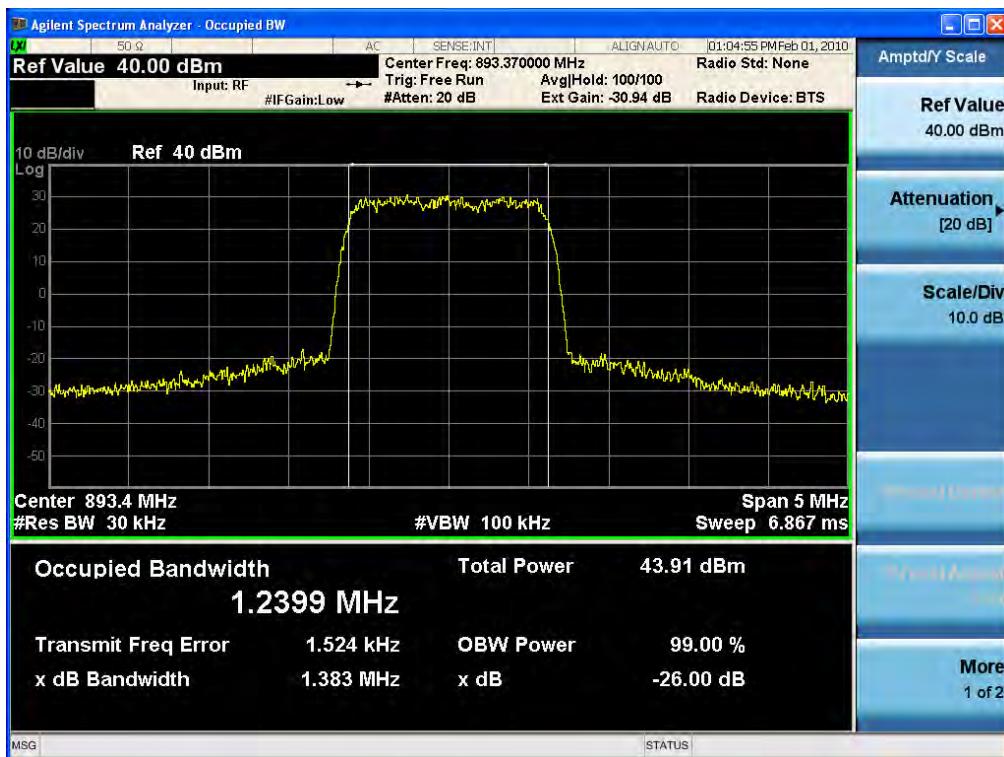
FCC CERTIFICATION REPORT

Test Report No.	Date of Issue:	EUT Type:	www.hct.co.kr
HCTR1001FR09	January 31, 2010	ICS-Digital Relay	FCC ID: X4O-ICS-F0837

Downlink Mid CH CDMA EVDO



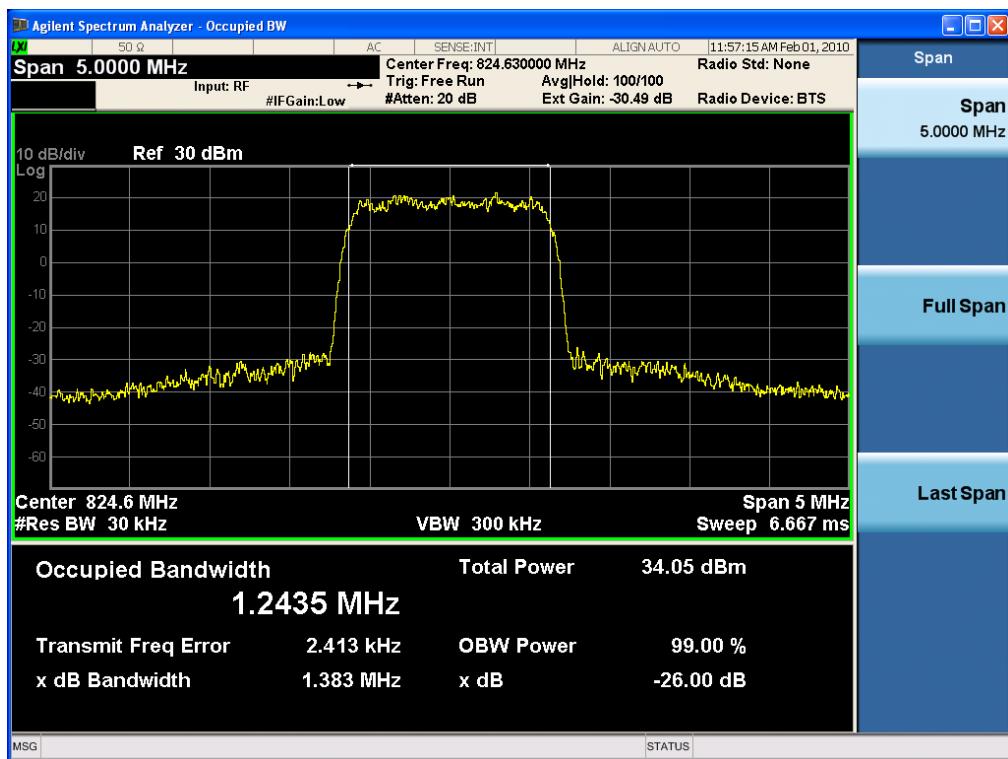
Downlink High CH CDMA EVDO



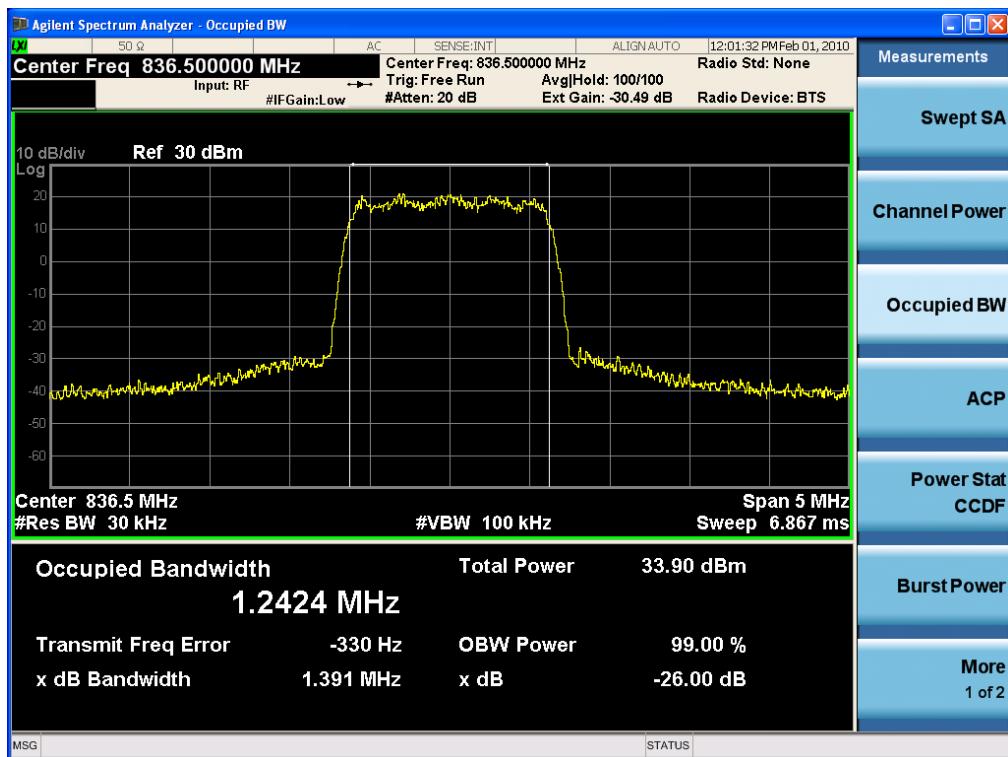
FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

Uplink Low CH CDMA



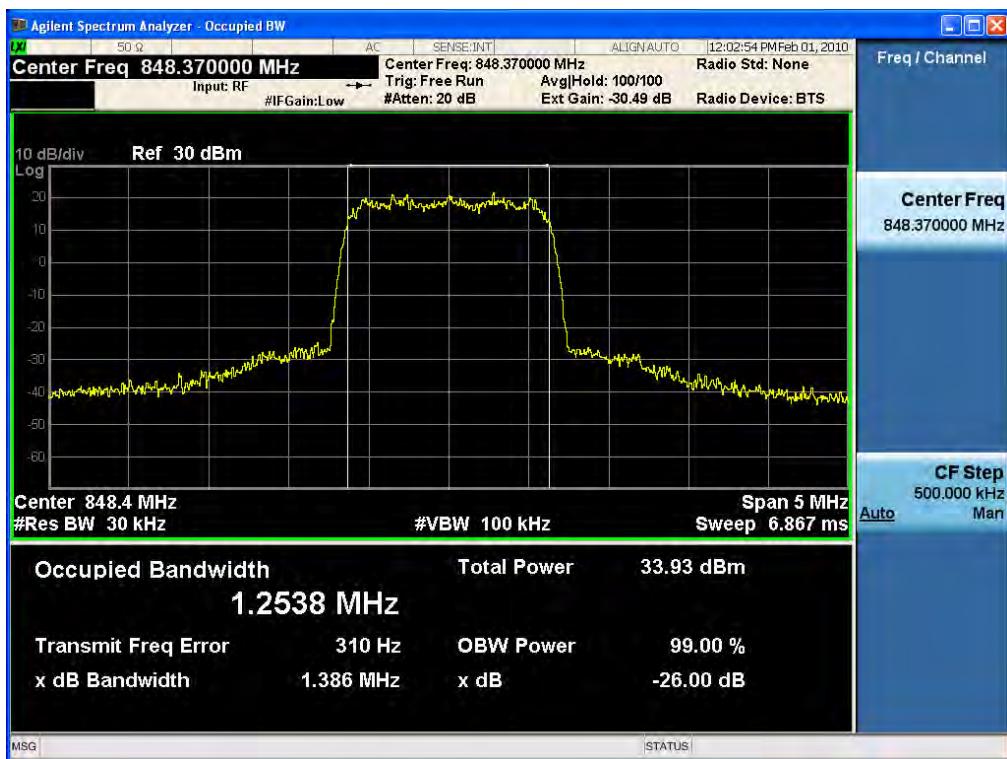
Uplink Mid CH CDMA



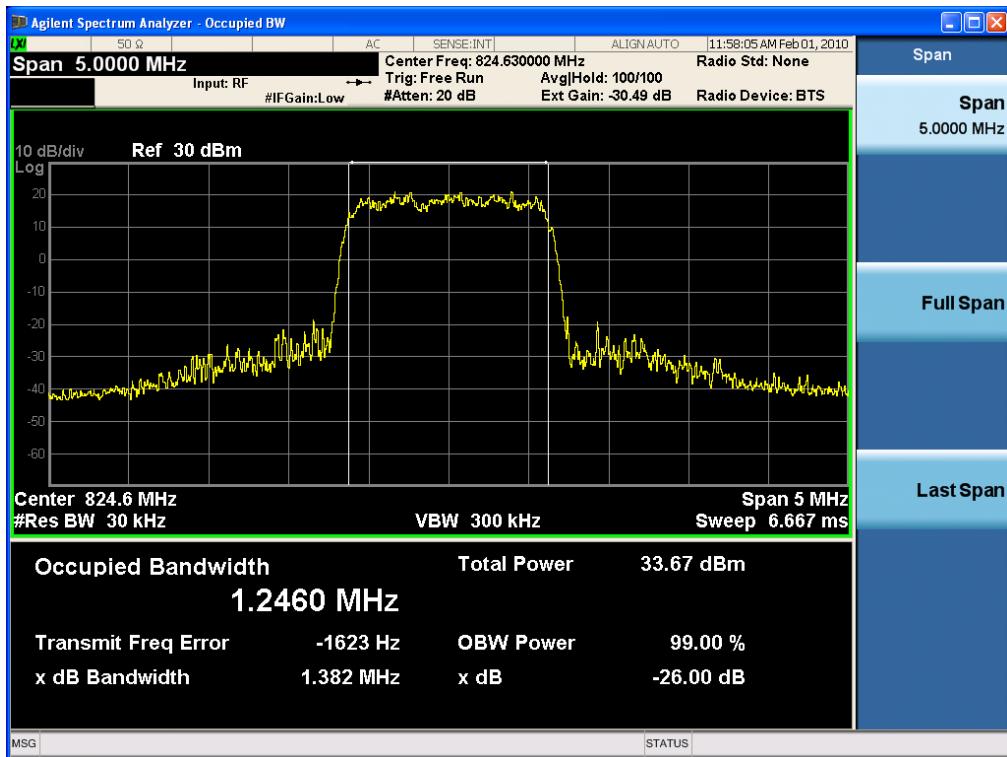
FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

Uplink High CH CDMA



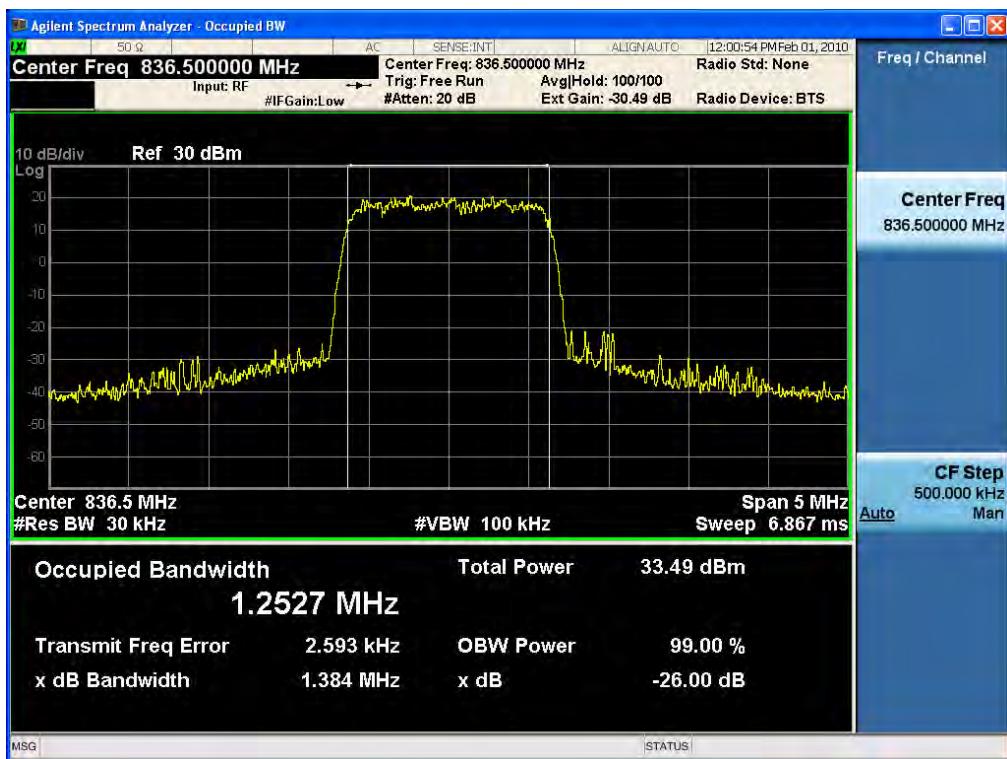
Uplink Low CH CDMA EVDO



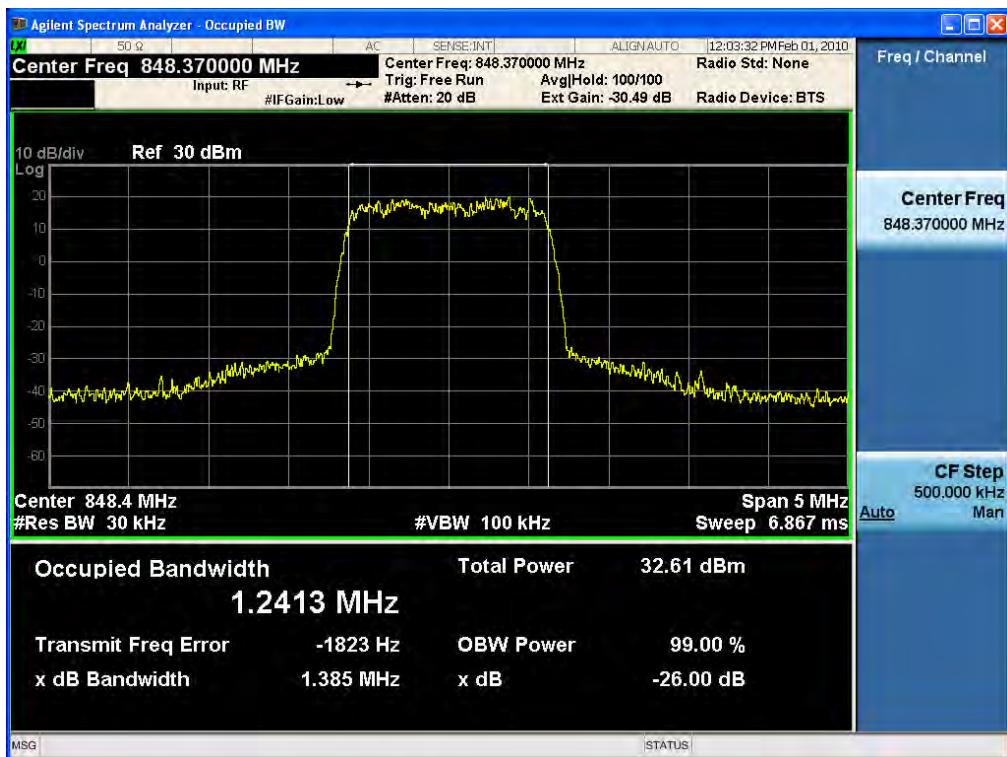
FCC CERTIFICATION REPORT

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Uplink Mid CH CDMA EVDO



Uplink High CH CDMA EVDO



FCC CERTIFICATION REPORT

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7. SPURIOUS AND HARMONIC EMISSION AT ANTENNA TERMINAL

Test Requirement(s): § 2.1051 Measurements required: Spurious emissions at antenna terminals:

The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in § 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

§ 22.917(a), Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

Test Procedures: A modulated carrier generated by the signal generator carrier was connected to either the Uplink or Downlink RF port at a maximum level as determined by the OEM A spectrum analyzer was connected to either the Uplink or Downlink port depending on the circuitry being measured. The spectrum was investigated from 30 MHz to the 26.5 GHz of the carrier.

Test Results: The EUT complies with the requirements of this section. There were no detectable spurious emissions for this EUT.

Test Results: The EUT complies with the requirements of this section. There were no detectable spurious emissions for this EUT.

FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	FCC ID: X4O-ICS-F0837

Plots of BAND EDGE

(Downlink Low CH-WCDMA)



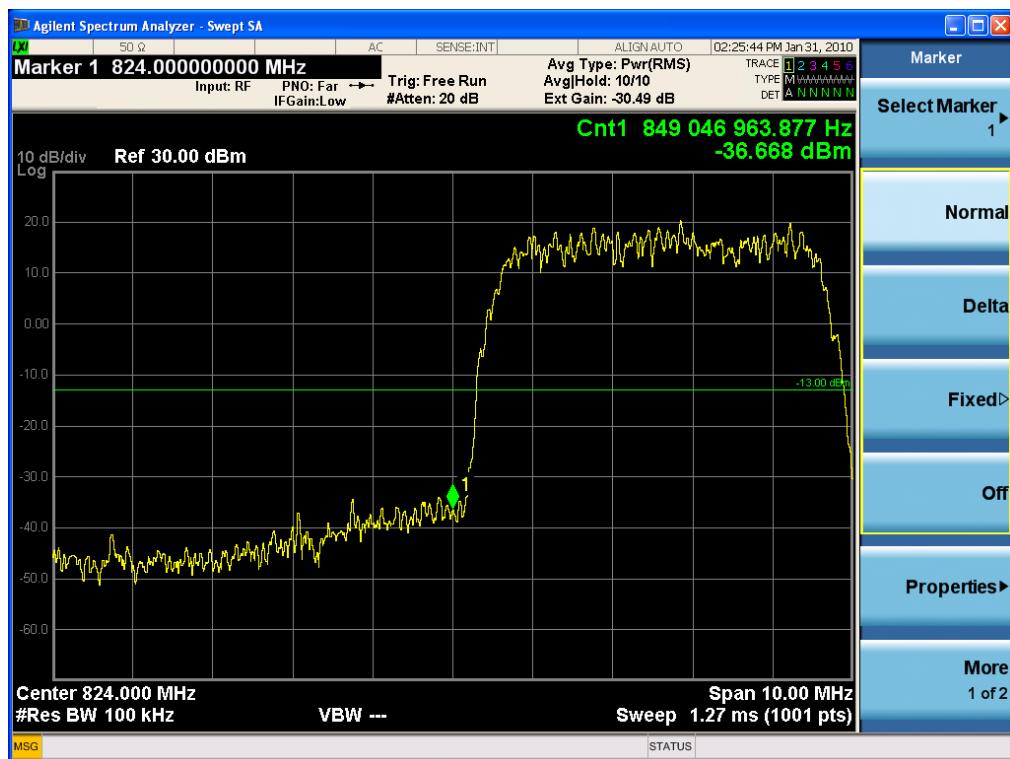
(Downlink High CH- WCDMA)



FCC CERTIFICATION REPORT

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(Uplink Low CH- WCDMA)



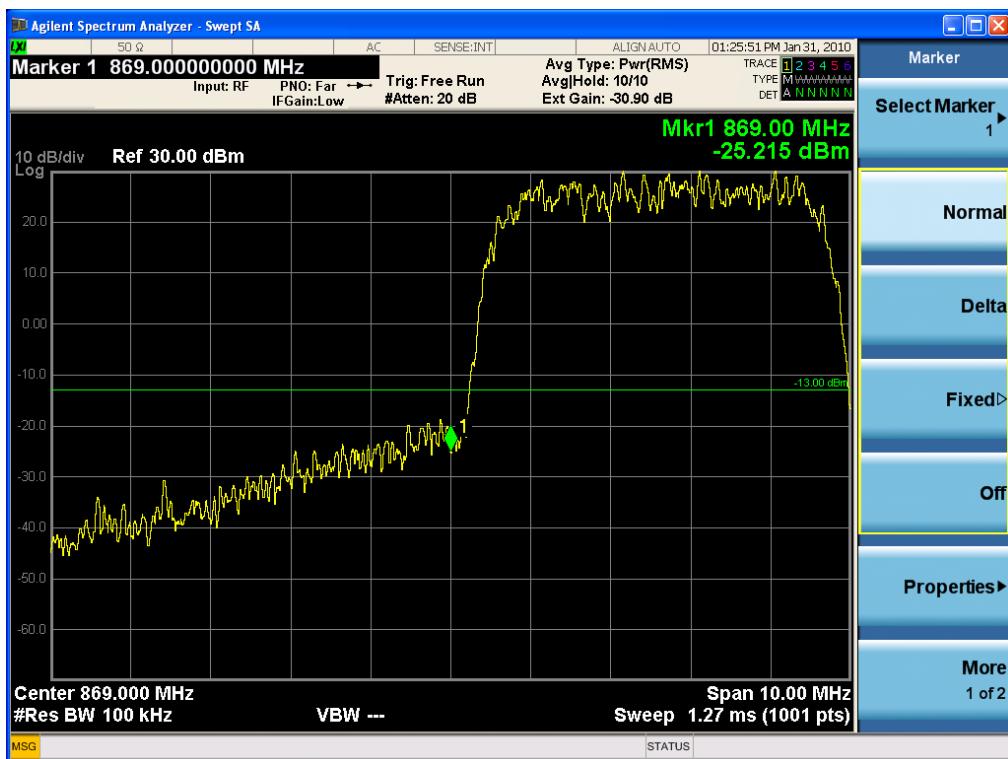
(Uplink High CH- WCDMA)



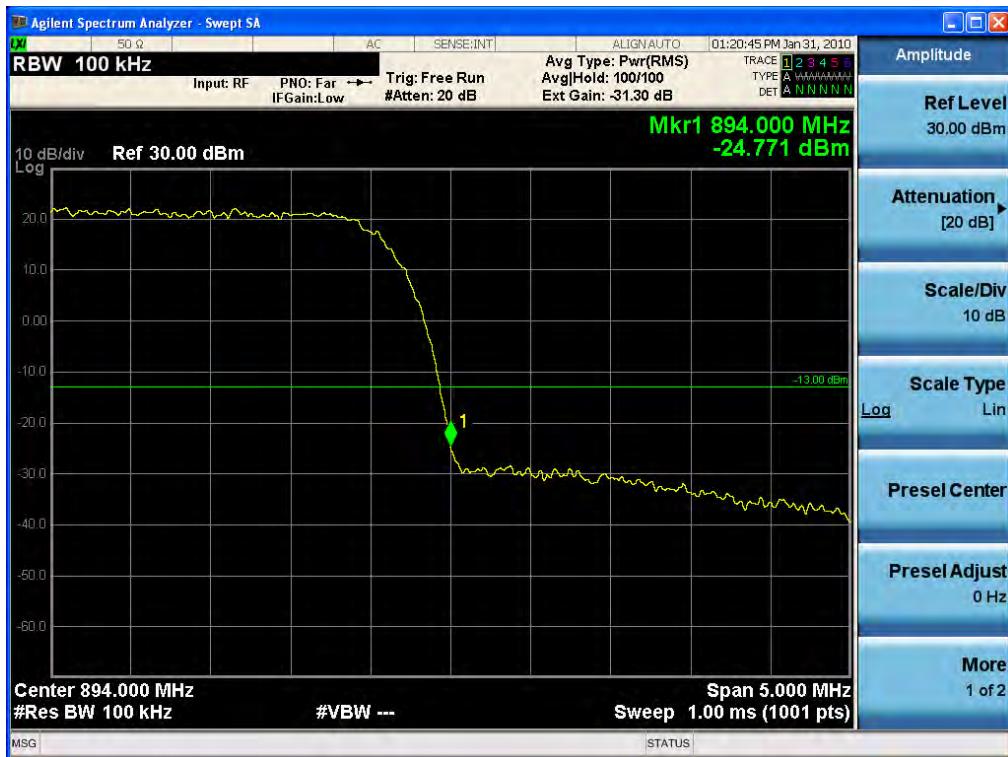
FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

(Downlink Low CH-WCDMA HSDPA)



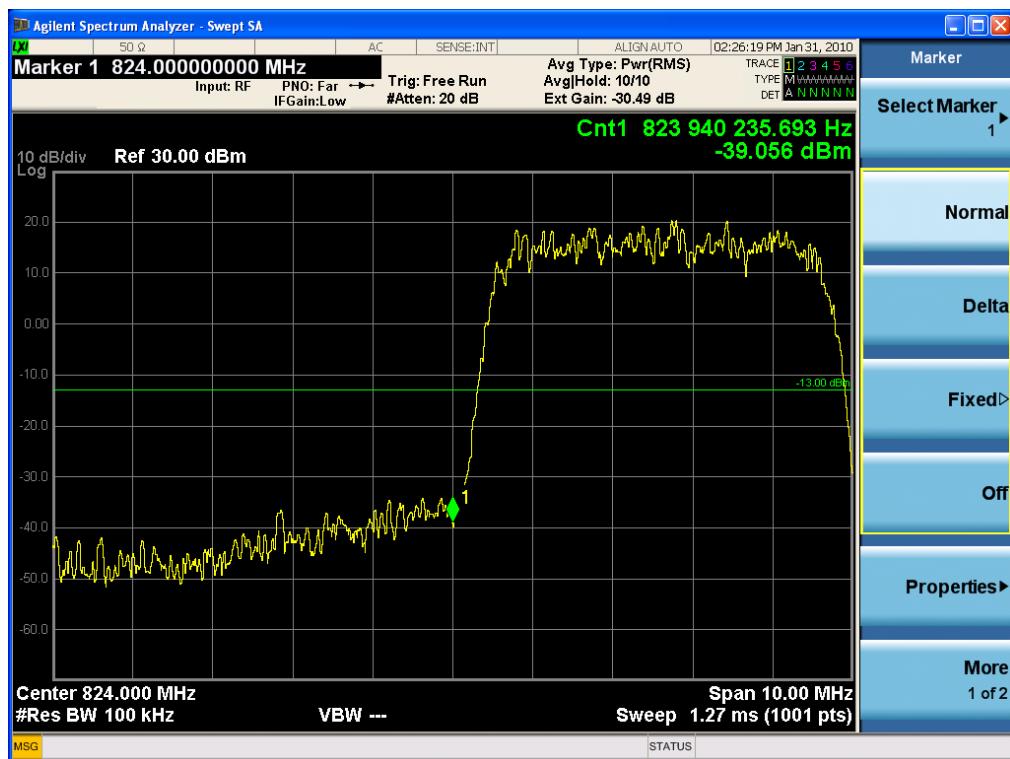
(Downlink High CH- WCDMA HSDPA)



FCC CERTIFICATION REPORT

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			FCC ID: X4O-ICS-F0837

(Uplink Low CH- WCDMA HSDPA)



(Uplink High CH- WCDMA HSDPA)

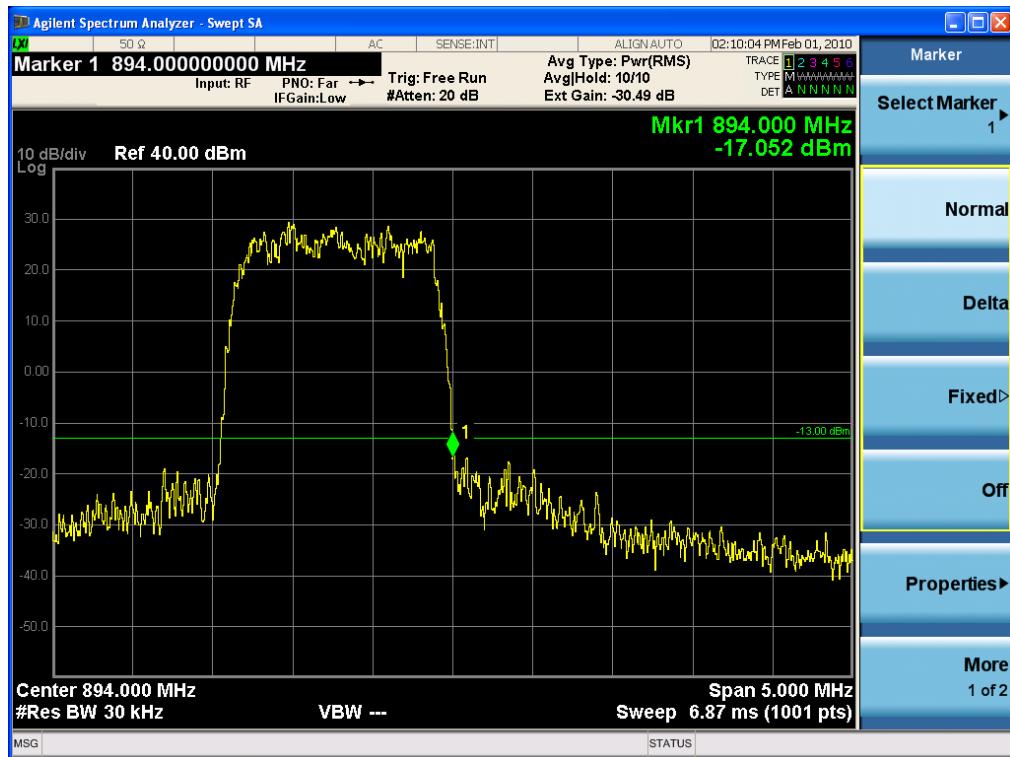


FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	FCC ID: X4O-ICS-F0837

(Downlink Low CH-CDMA)



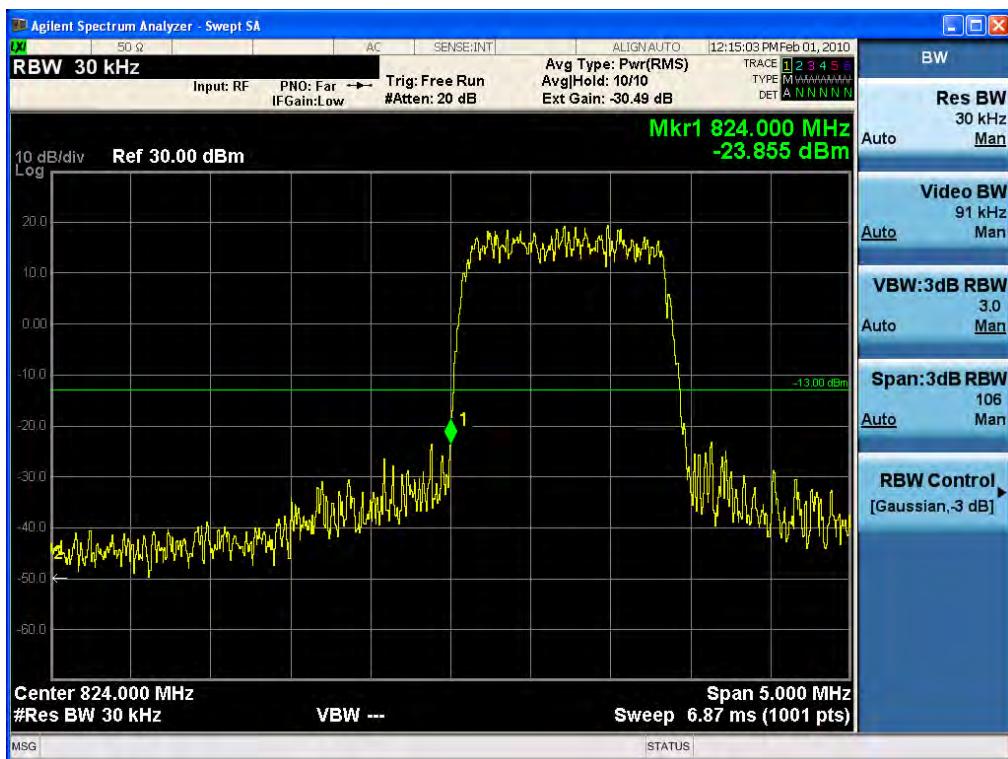
(Downlink High CH- CDMA)



FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

(Uplink Low CH- CDMA)



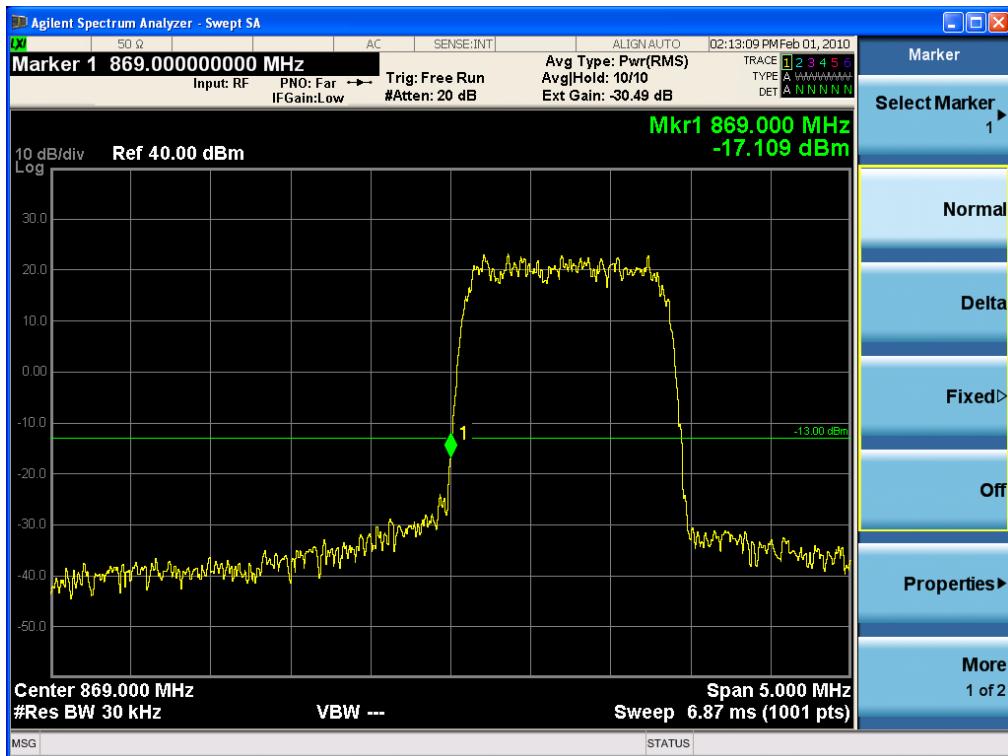
(Uplink High CH- CDMA)



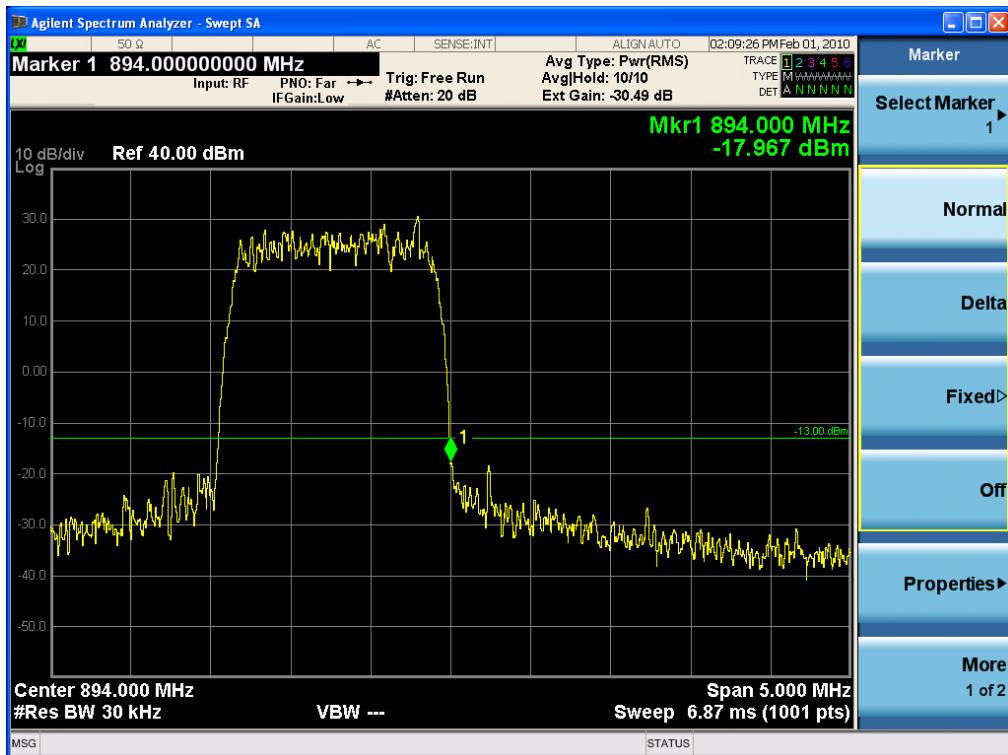
FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

(Downlink Low CH-CDMA EVDO)



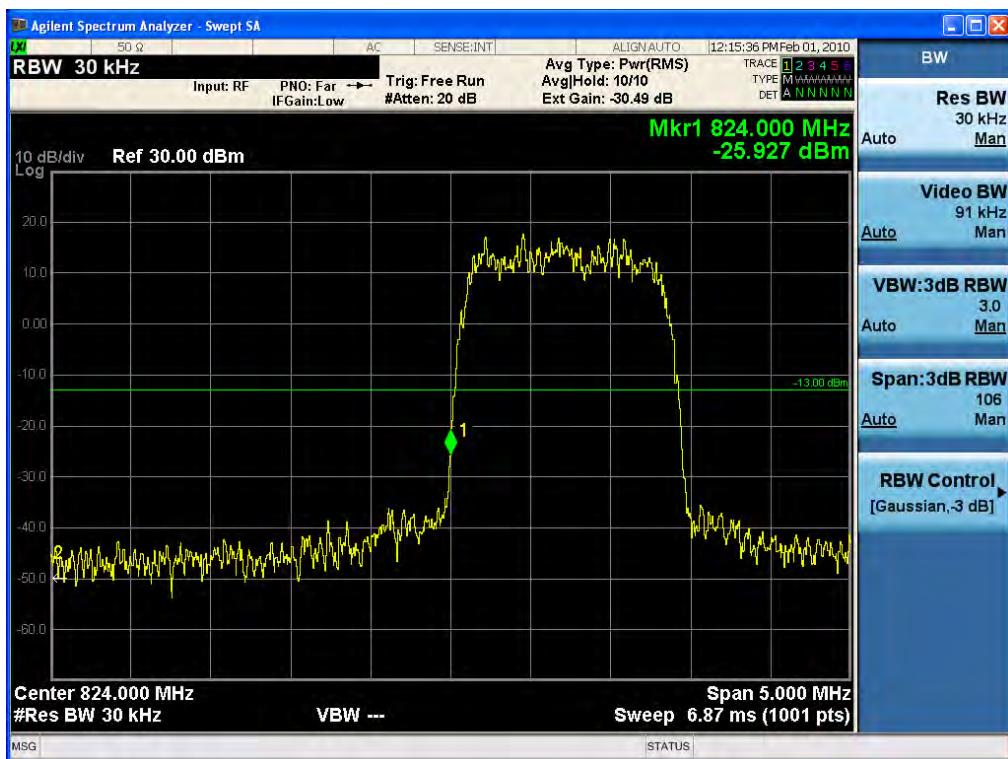
(Downlink High CH- CDMA EVDO)



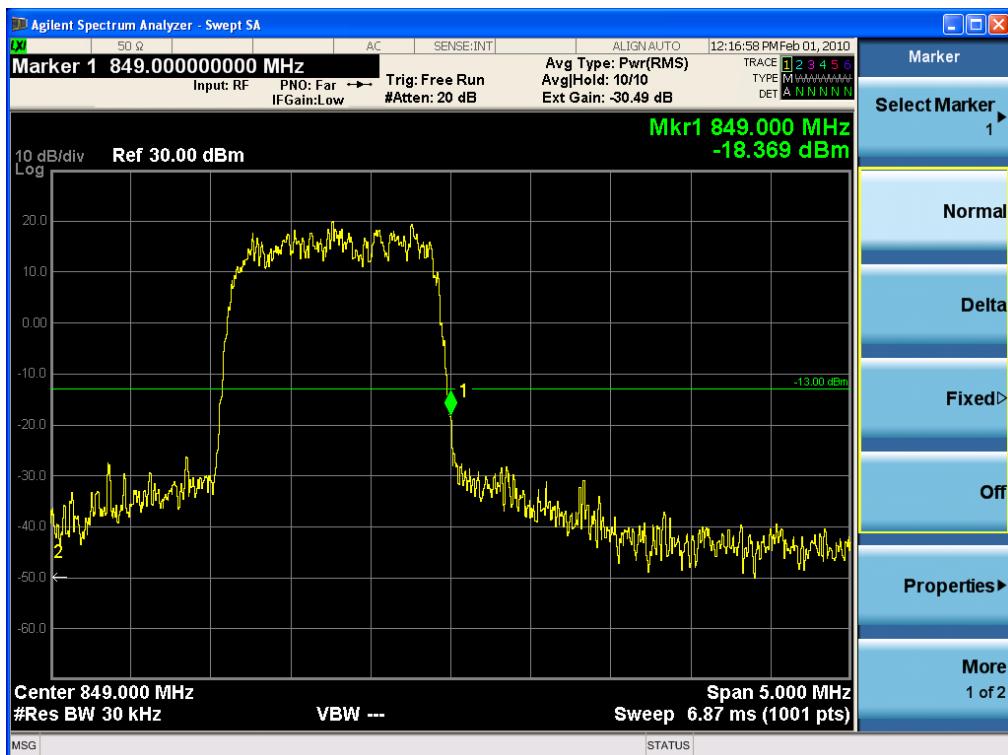
FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

(Uplink Low CH- CDMA EVDO)



(Uplink High CH- CDMA EVDO)

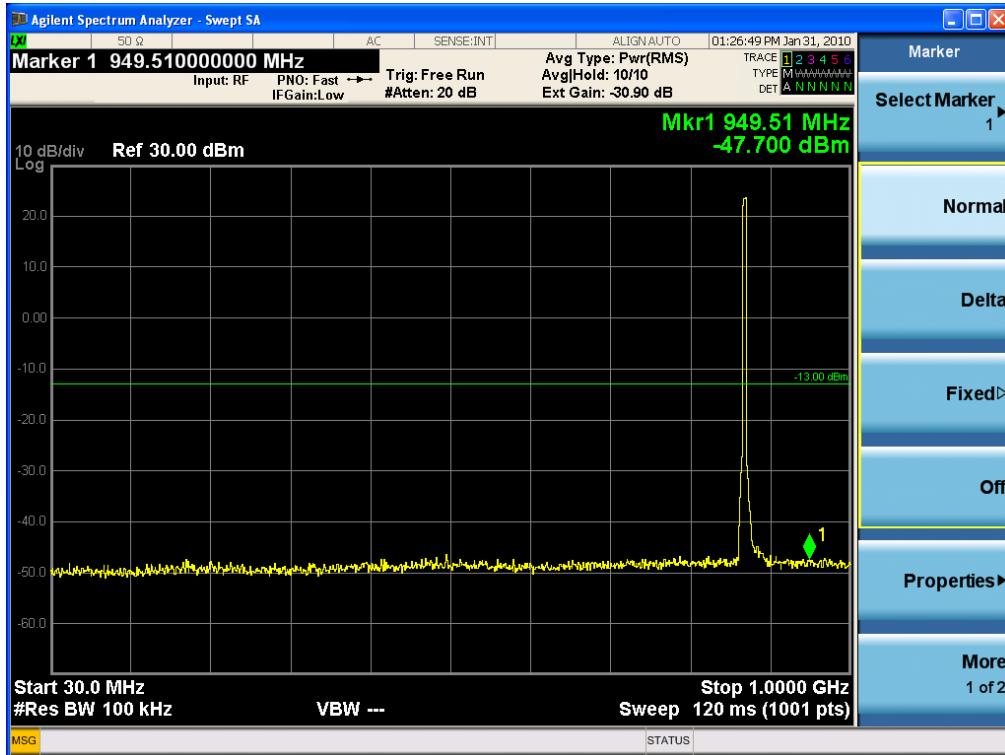


FCC CERTIFICATION REPORT

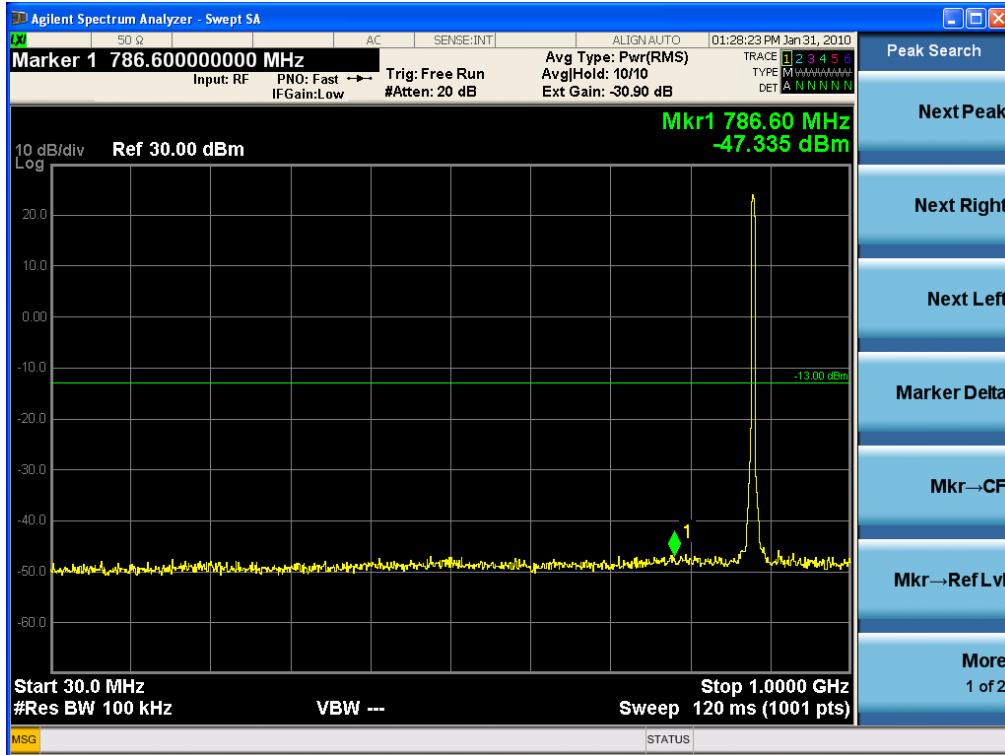
Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X4O-ICS-F0837

Plots of Spurious Emission

Conducted Spurious Emissions Downlink Low CH (30 MHz – 1 GHz-WCDMA)

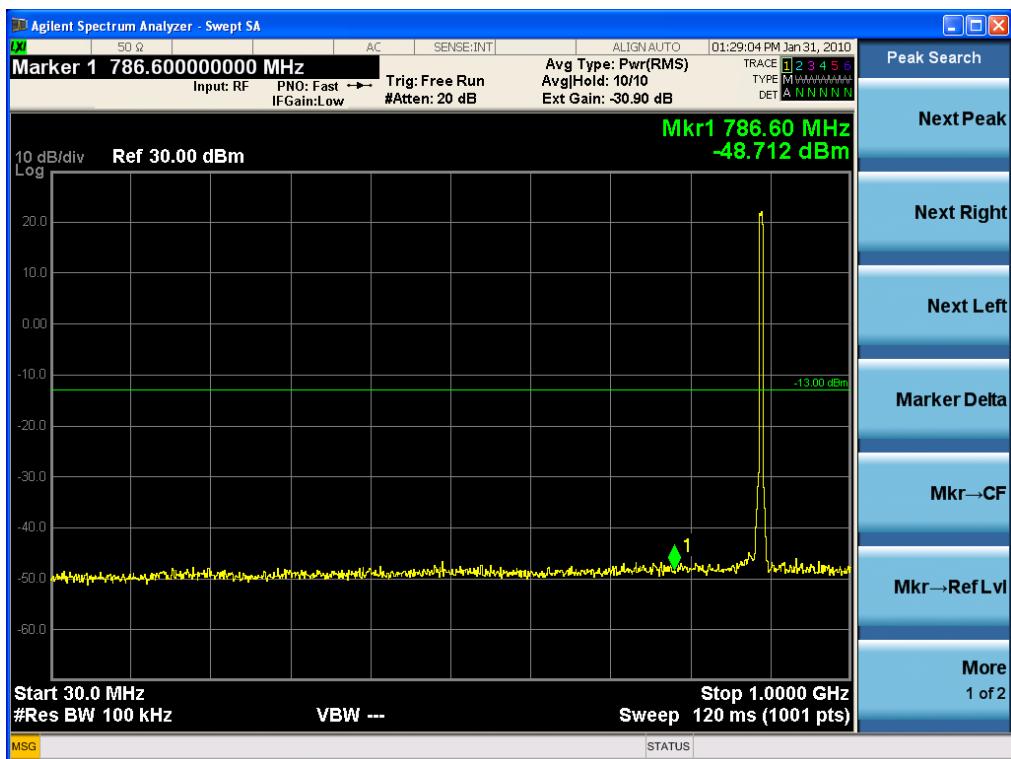


Conducted Spurious Emissions Downlink Mid CH (30 MHz – 1 GHz- WCDMA)

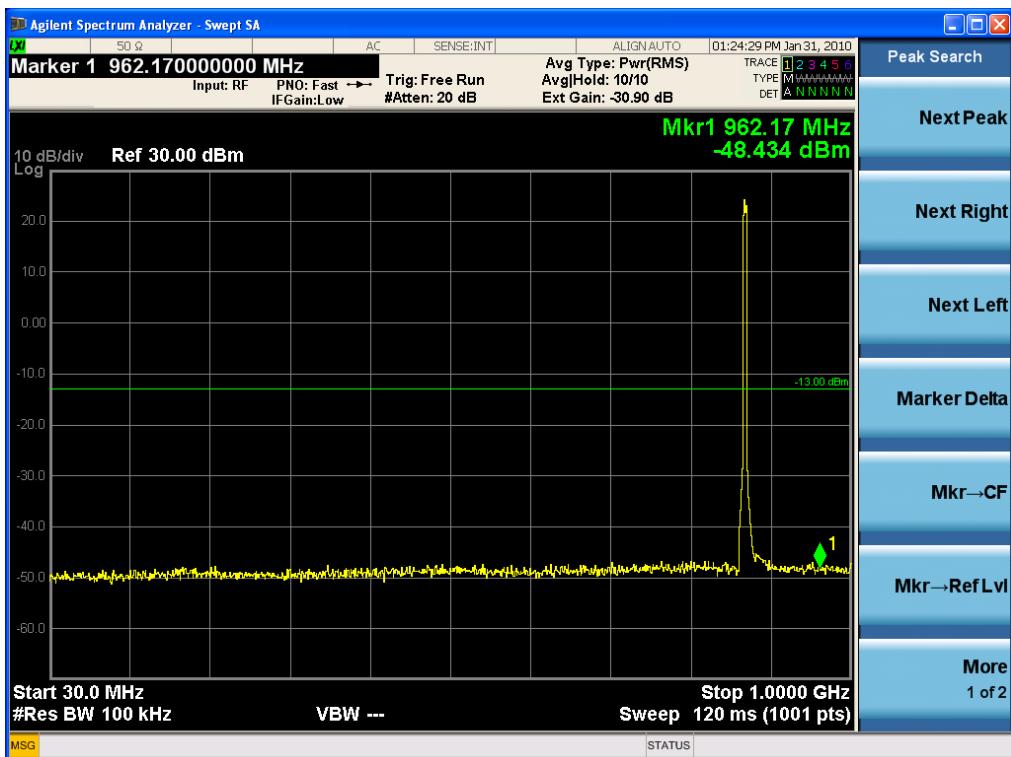


FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	FCC ID: X40-ICS-F0837

Conducted Spurious Emissions Downlink High CH (30 MHz – 1 GHz- WCDMA)



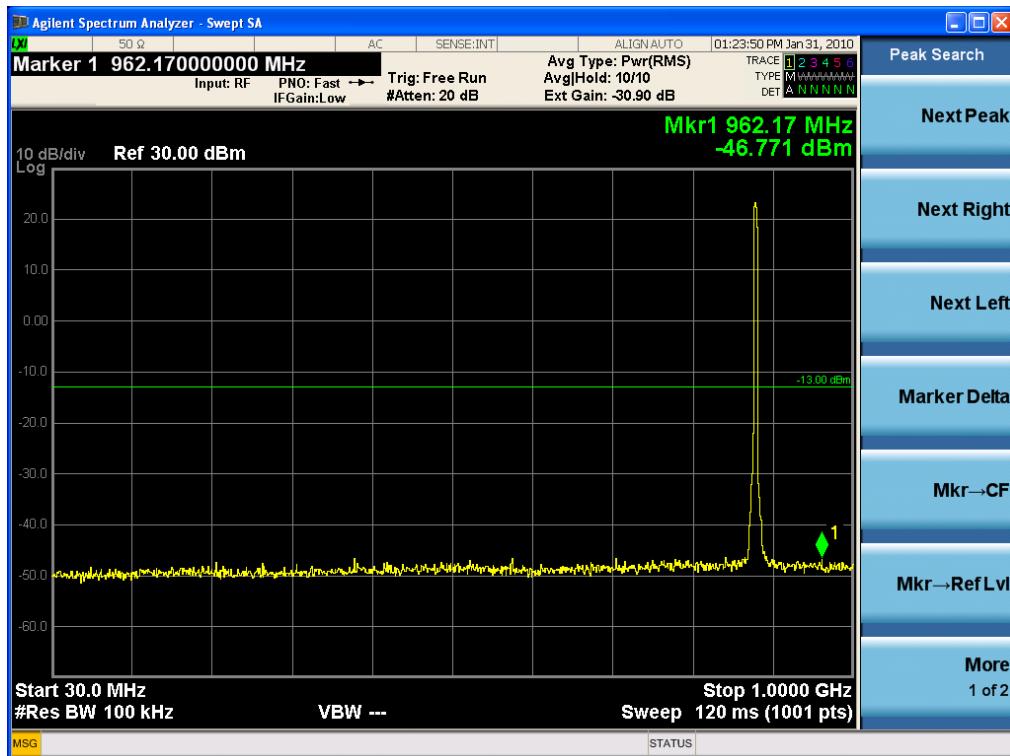
Conducted Spurious Emissions Downlink Low CH (30 MHz – 1 GHz-WCDMA HSDPA)



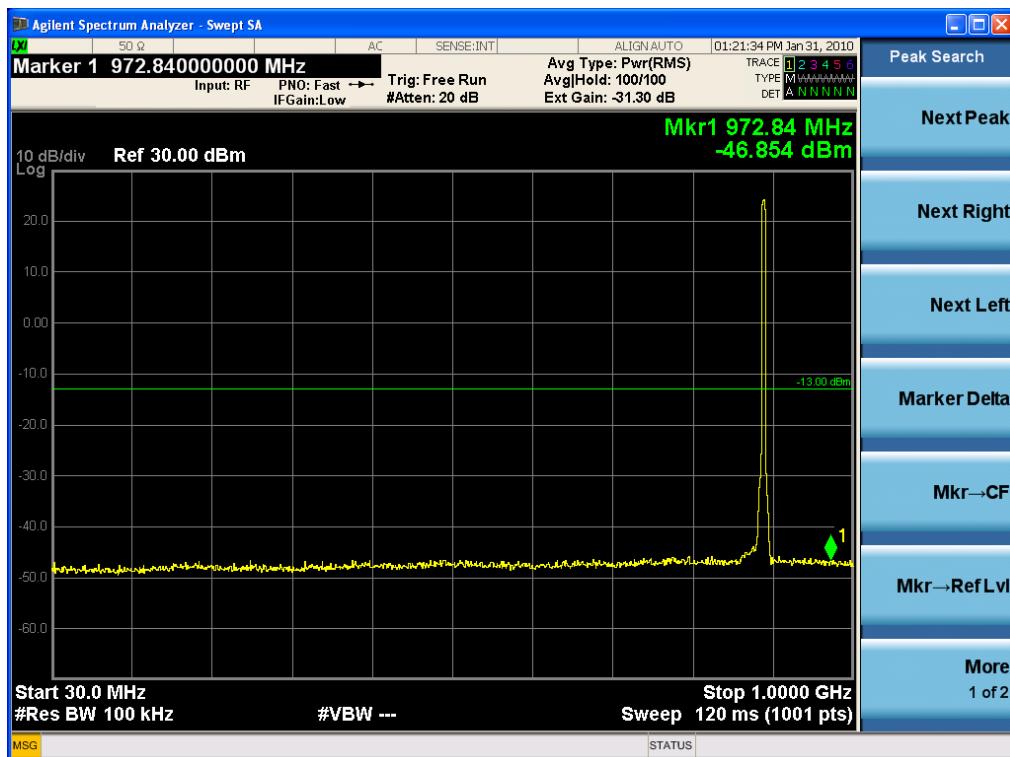
FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X40-ICS-F0837

Conducted Spurious Emissions Downlink Mid CH (30 MHz – 1 GHz- WCDMA HSDPA)



Conducted Spurious Emissions Downlink High CH (30 MHz – 1 GHz- WCDMA HSDPA)



FCC CERTIFICATION REPORT

Test Report No. HCTR1001FR09	Date of Issue: January 31, 2010	EUT Type: ICS-Digital Relay	www.hct.co.kr
			FCC ID: X40-ICS-F0837