6 – SPURIOUS EMISSIONS AT ANTENNA TERMINALS

6.1 Applicable Standards

According to FCC 2.1049, 22.917(a) and 90.210, on any frequency outside of the authorized operating frequency range, the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB.

6.2 Test Procedure

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 1 MHz. Sufficient scans were taken to show any out of band emissions up to 10th harmonic.

6.3 Test Equipment

Hewlett Packard HP8566B Spectrum Analyzer Hewlett Packard HP 7470A Plotter Rohde & Schwarz SMIQ03B Signal Generator Rohde & Schwarz AMIQ I/Q Modulation Generator

6.4 Test Results

6.4.1 Test results for FCC Part 22, 824 – 849 MHz Uplink, 869 – 894 MHz Downlink

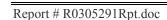
Modulation	Mode	Channel	Frequency (MHz)	Measured
CDMA	Up-link	Low	825.4	< -13dBm
		Mid	835.1	< -13dBm
		High	844.8	< -13dBm
	Down-link	Low	870.7	< -13dBm
		Mid	880.4	< -13dBm
		High	890.1	< -13dBm

6.4.2 Test results for FCC Part 90, 806 - 824 MHz Uplink, 851 - 869 MHz Downlink

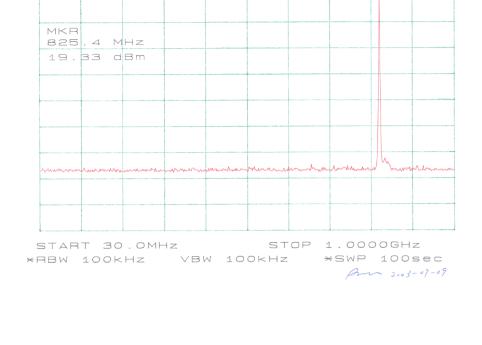
Modulation	Mode	Channel	Frequency (MHz)	Measured
TDMA	Up-link	Low	810.9	< -13dBm
		Mid	815.7	< -13dBm
		High	818.9	< -13dBm
	Down-link	Low	854.5	< -13dBm
		Mid	859.4	< -13dBm
		High	864.2	< -13dBm

6.5 Plots of Out-of-Band Emissions at Antenna Terminal

Please refer to plots hereinafter.



START 1.000GHZ STOP 10.000GHZ (RBW 100KHZ VBW 100KHZ *SWP 300sec



10dB/

MKR 19.33dBm

CSI 140 (AMPS) CDMA UPLINK L.C

MKR -39.67dBm

COMA UPLINK L.C

Am 2003-07-09

140 (AMPS)

1.645GHz

dsi

825.4MHz

Plots for Part 22, 824 – 849 MHz Uplink, 869 – 894 MHz Downlink

10dB/

Cellular Specialties, Inc.

ATTEN 40dB

RL 30.0dBm

ATTEN 40dB

RL 30,0dBm

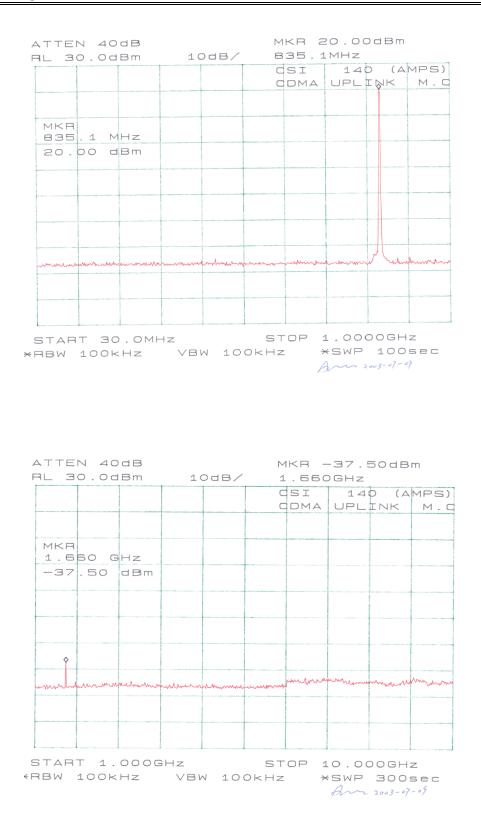
1.645 GHz -39.67 dBm

MKR

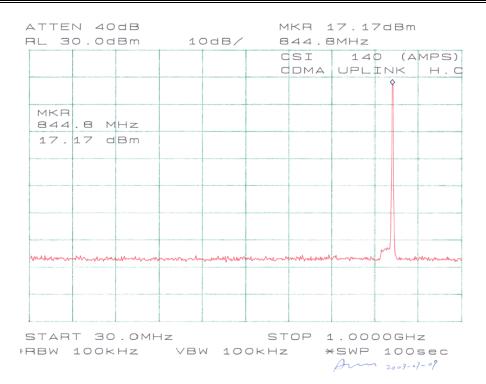
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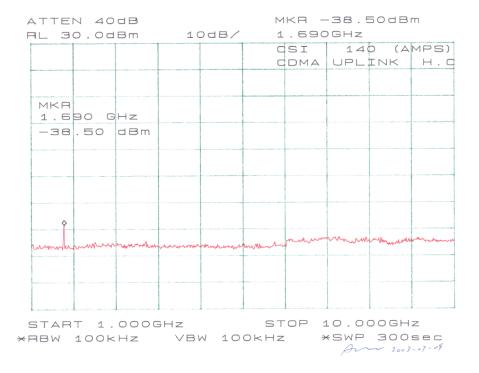
FCC ID: NVRBA14X

FCC ID: NVRBA14X

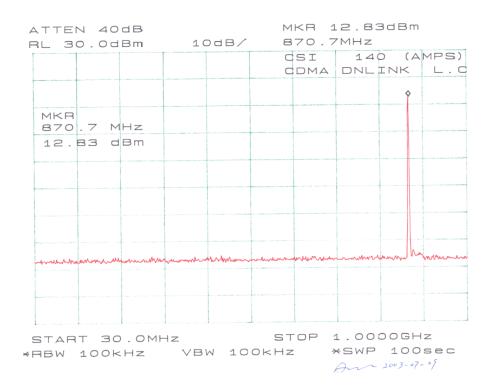


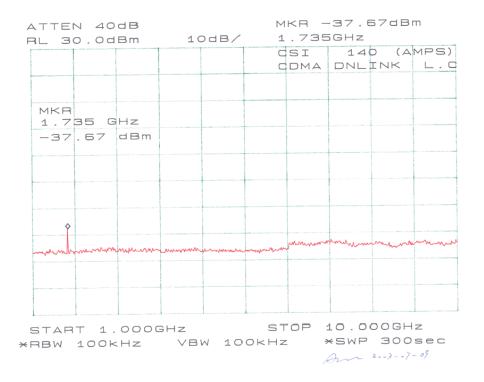
FCC ID: NVRBA14X



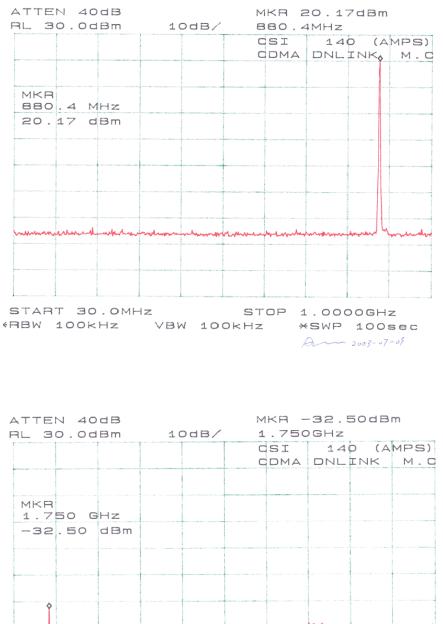


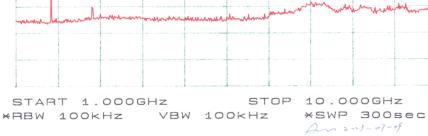
FCC ID: NVRBA14X



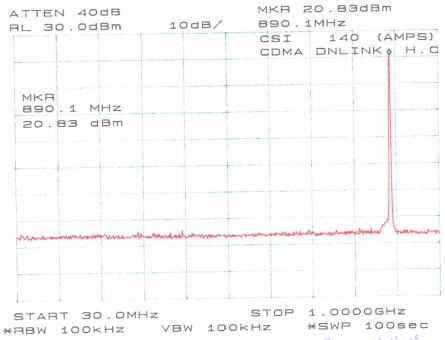


FCC ID: NVRBA14X

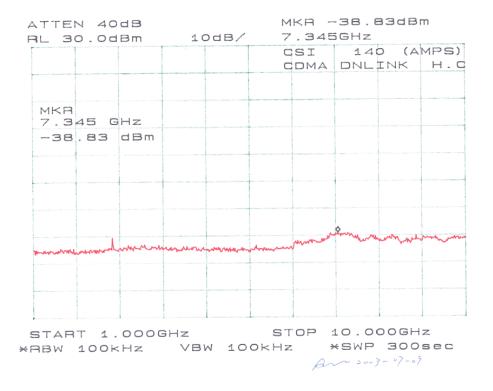


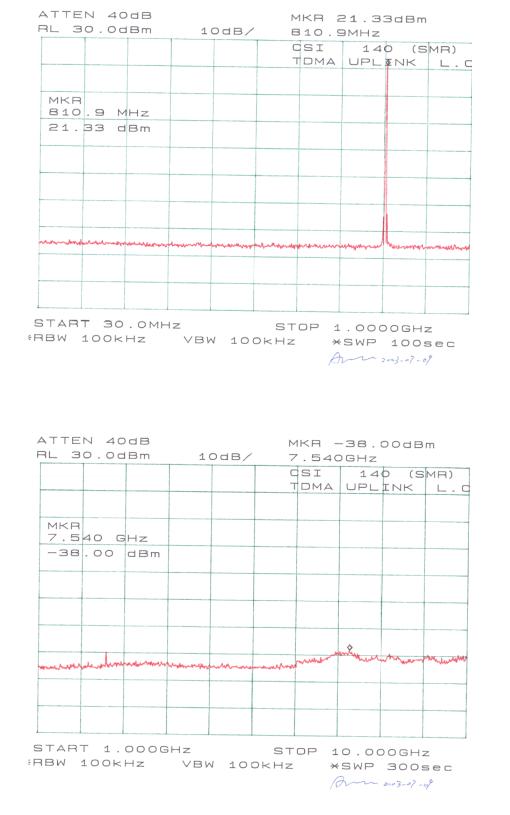


FCC ID: NVRBA14X



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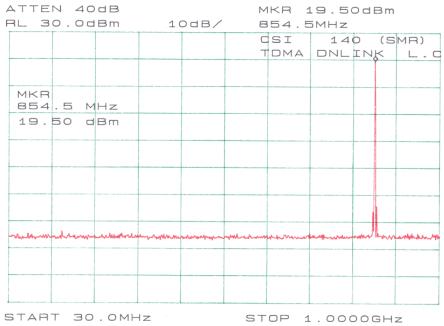




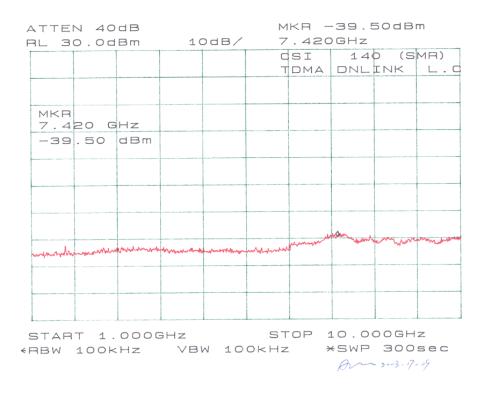
Plots for Part 90, 806 – 824 MHz Uplink, 851 – 869 MHz Downlink

FCC ID: NVRBA14X

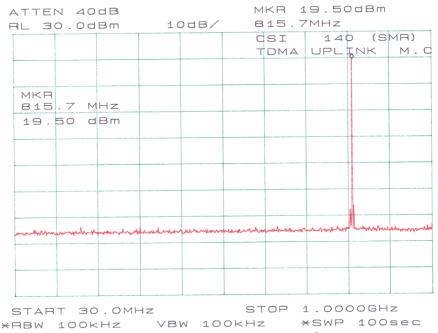
FCC ID: NVRBA14X



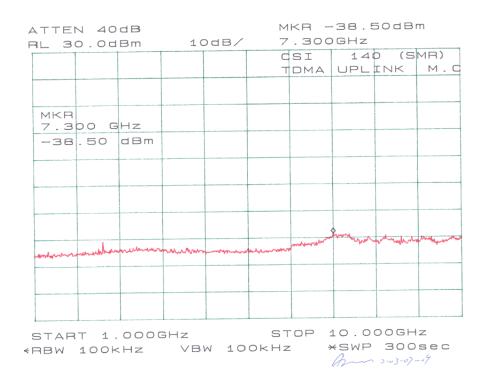
RBW 100kHz VBW 100kHz *SWP 100sec An 2013.07-09

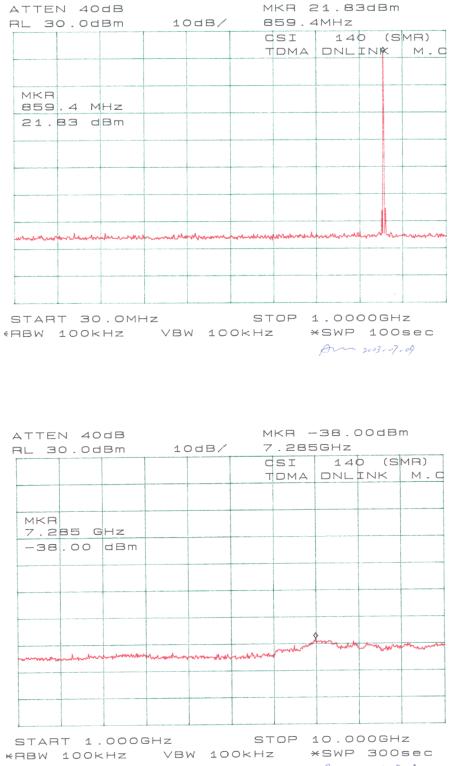


FCC ID: NVRBA14X



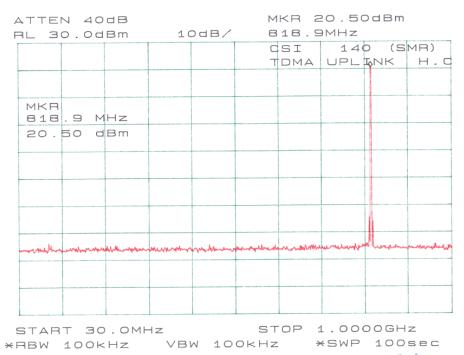
An 2003-07-09



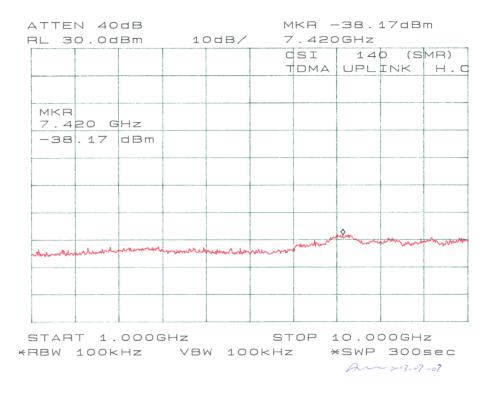


An 2003-07-01

FCC ID: NVRBA14X



Ann 2003-07-09



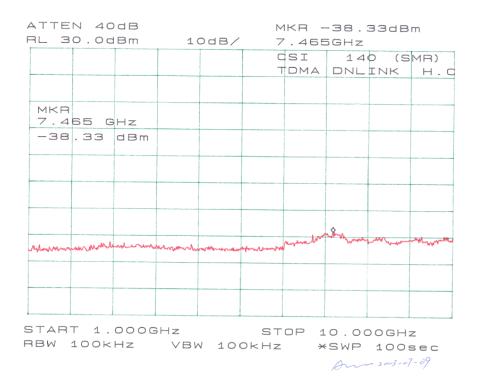
FCC ID: NVRBA14X

ATTEN 40dB Rl 30.0dBm	10dB/	MKR 20.33dBm 864.2MHz CSI 140 (SMR)
		TDMA DNLINK H.C
МКВ		
864.2 MHz		
20.33 dBm		
whether the month and	mennensenser	anone and a second a
START 30.0M	Hz	STOP 1.0000GHz

 START 30.0MHz
 STOP 1.00000042

 *RBW 100KHz
 VBW 100KHz
 *SWP 100sec

 \$\mathcal{D}_2\omega_3-\cdot_7-\sigma_2



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