

**Effective Isotropic Radiated Power Test for ADC Inc.
Digivance CXD
Model Number DGVF-03000000XXCRN**

*Note: The EUT is a fixed repeater and not a base station.

This measurement was made as a direct conducted emission measurement. The output from the EUT antenna connector was connected to the spectrum analyzer. The carrier output, below, was conducted using a single CW - FM, GSM, TDMA, 16QAM, CDMA, and CDMA2000 signal generator. The spectrum analyzer level was offset to compensate for attenuators and cable loss between the EUT and the analyzer.

For the CDMA and CDMA2000 modulation types, the average value of the measured frequency will be 16.23 dB down from the CW peak power.

A signal was used at the low, mid and high parts of the selected band. The spectrum analyzer level was offset by 51.3 dB to compensate for attenuators and cable loss between the EUT and the analyzer.

<u>CW – FM</u>		<u>GSM</u>	
Band A	(800 MHz)	Band A	(800 MHz)
Carrier Frequency	Carrier Output	Carrier Frequency	Carrier Output
869.0 MHz	<u>37.63</u> dBm	869.0 MHz	<u>37.63</u> dBm
875.5 MHz	<u>40.47</u> dBm	875.5 MHz	<u>37.47</u> dBm
880.0 MHz	<u>39.97</u> dBm	880.0 MHz	<u>39.57</u> dBm
<u>TDMA</u>		<u>16QAM</u>	
Band A	(800 MHz)	Band A	(800 MHz)
Carrier Frequency	Carrier Output	Carrier Frequency	Carrier Output
869.0 MHz	<u>38.80</u> dBm	869.0 MHz	<u>39.30</u> dBm
875.5 MHz	<u>38.30</u> dBm	875.5 MHz	<u>38.13</u> dBm
880.0 MHz	<u>38.97</u> dBm	880.0 MHz	<u>38.63</u> dBm
<u>CDMA</u>		<u>CDMA2000</u>	
Band A	(800 MHz)	Band A	(800 MHz)
Carrier Frequency	Carrier Output	Carrier Frequency	Carrier Output
869.0 MHz	<u>22.30</u> dBm	869.0 MHz	<u>22.13</u> dBm
875.5 MHz	<u>21.47</u> dBm	875.5 MHz	<u>21.97</u> dBm
880.0 MHz	<u>22.63</u> dBm	880.0 MHz	<u>22.63</u> dBm