

# Effective Isotropic Radiated Power Test for ADC Inc. Digivance CXD Model Number DGVF-04000000CRN

\*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, and 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	(1900 MHz)	Band A	(1900 MHz)
Carrier Frequency	Carrier Output	Carrier Frequency	Carrier Output
1930.0 MHz	<u>40.97</u> dBm	1930.0 MHz	<u>40.63</u> dBm
1937.5 MHz	<u>41.47</u> dBm	1937.5 MHz	<u>41.30</u> dBm
1945.0 MHz	<u>41.13</u> dBm	1945.0 MHz	<u>40.63</u> dBm
Band D	(1900 MHz)	Band D	(1900 MHz)
Carrier Frequency	Carrier Output	Carrier Frequency	Carrier Output
1945.0 MHz	<u>41.13</u> dBm	1945.0 MHz	<u>40.47</u> dBm
1947.5 MHz	<u>41.47</u> dBm	1947.5 MHz	<u>41.13</u> dBm
1950.0 MHz	<u>41.97</u> dBm	1950.0 MHz	<u>41.13</u> dBm
Band B	(1900 MHz)	Band B	(1900 MHz)
Carrier Frequency	Carrier Output	Carrier Frequency	Carrier Output
1950.0 MHz	<u>41.97</u> dBm	1950.0 MHz	<u>41.47</u> dBm
1957.5 MHz	<u>41.47</u> dBm	1957.5 MHz	<u>41.13</u> dBm
1965.0 MHz	<u>41.47</u> dBm	1965.0 MHz	<u>41.63</u> dBm

<b>CDMA</b>		<b>CDMA2000</b>	
Band A	(1900 MHz)	Band A	(1900 MHz)
Carrier Frequency	Carrier Output	Carrier Frequency	Carrier Output
1930.0 MHz	<u>25.30</u> dBm	1930.0 MHz	<u>24.97</u> dBm
1937.5 MHz	<u>25.63</u> dBm	1937.5 MHz	<u>25.13</u> dBm
1945.0 MHz	<u>25.47</u> dBm	1945.0 MHz	<u>25.37</u> dBm
Band D	(1900 MHz)	Band D	(1900 MHz)
Carrier Frequency	Carrier Output	Carrier Frequency	Carrier Output
1945.0 MHz	<u>25.13</u> dBm	1945.0 MHz	<u>25.47</u> dBm
1947.5 MHz	<u>25.47</u> dBm	1947.5 MHz	<u>24.63</u> dBm
1950.0 MHz	<u>24.63</u> dBm	1950.0 MHz	<u>24.63</u> dBm
Band B	(1900 MHz)	Band B	(1900 MHz)
Carrier Frequency	Carrier Output	Carrier Frequency	Carrier Output
1950.0 MHz	<u>25.13</u> dBm	1950.0 MHz	<u>25.27</u> dBm
1957.5 MHz	<u>24.97</u> dBm	1957.5 MHz	<u>25.47</u> dBm
1965.0 MHz	<u>25.13</u> dBm	1965.0 MHz	<u>25.13</u> dBm