

July 24, 2002

Compliance Certification Services
561F Monterey Rd.
Morgan Hill, CA 95037-9001

RE: Additional information for FCC ID: OEWCX-DS3-53G / AN02T2050

We are supplying additional measurement data for our submission per your email request of July 22, 2002. Please see the attached data plots and the explanations below.

Per your request the peak power was measured using the technique described in the latest FCC guideline.

As the Link CX is a wide band radio, the peak power was measured using a spectrum analyzer, and a bandwidth correction factor of $10 \log (EBW / 1 \text{ MHz})$ was applied.

The 26 dB emission bandwidth (EBW) of the Link CX is 13.9 MHz, which translates to a correction factor of 11.43 dB.

Per the guideline a 1 MHz resolution bandwidth was used, along with a 100 kHz video bandwidth. The video bandwidth follows the guideline as it is greater than the minimum requirement of: $EBW / (2\pi \cdot 30) = 13.9 \text{ MHz} / (2\pi \cdot 30) = 73.7 \text{ kHz}$.

The spectrum analyzer was set in linear mode, no averaging, with the peak hold function on.

An additional 0.6 dB correction factor was used to account for the cable loss between the Link CX and the input of the spectrum analyzer.

Please see attached analyzer plots (labeled plot 1 through plot 4) showing the power measurements.

The table below shows the power readings, conversions, and correction factors for each of the channels that the Link CX operates on.

Channel	1	2	1'	2'
Power reading from analyzer in mV.	122.7 mV	127.6 mV	130.2 mV	123.7 mV
Power reading from analyzer in dBm.	-5.21 dBm	-4.87 dBm	-4.70 dBm	-5.14 dBm
Bandwidth correction factor in dB.	11.43 dB	11.43 dB	11.43 dB	11.43 dB
Cable loss in dB.	0.6 dB	0.6 dB	0.6 dB	0.6 dB
Peak Power reading in dBm	+6.82 dBm	+7.16 dBm	+7.33 dBm	+6.89 dBm

The Link CX is compliant with the requirement that the peak transmitter power be less than or equal to +7.4 dBm maximum.

Best Regards,

Mark Schutzer
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interWAVE Communications, Inc.