

NECESSARY BANDWIDTH DESCRIPTION

Badger is a software-defined radio. The occupied bandwidth for all requested frequencies for the Badger radio was verified measurement on a spectrum analyzer. See table below.

Emission Designator	Necessary Bandwidth	Occupied Bandwidth	Waveform Information
10M9G1D	10.9 MHz	14.492 MHz	(BE-CDL Rev A Mode 13, 8PSK, 20Mbps)
14M5G1D	14.5 MHz	19.225 MHz	(BE-CDL Rev A Mode 8, OQPSK, 20Mbps)
14M6G1D	14.6 MHz	14.6 MHz	(SNW, QPSK, 8Mbps)
23M0G1D	23.0 MHz	30.6 MHz	(BE-CDL Mode 101, QPSK, 21.42Mbps)
24M4G1D	24.4 MHz	32.4 MHz	(BE-CDL Rev A Mode 15, 8PSK, 44.736Mbps)
26M5G1D	26.5 MHz	35.3 MHz	(BE-CDL Mode 102, QPSK, 44.736Mbps)