



Spectrum Efficiency Attestation Letter

Federal Communications Commission
Authorization and Evaluation Division
1435 Oakland Mills Road
Columbia, MD 21046

Date: 1/26/2022

FCC ID: 2AY35-5016-500

To Whom It May Concern:

This is to attest that Guardian 100 Wireless Radio modem is software programmable to operate on a 12.5 kHz and 25 kHz channels. The equipment is compliant with 90.203(j)(5). This radio also provides a minimum data rate of 8kbps in a 12.5 kHz channel and 16 kbps in 25 KHz channel, thus meeting the minimum data rate requirement of 4800 bits per second per 6.25 kHz of channel bandwidth.

Channel Spacing	Data Rate	FCC Rule Parts
12.5 KHz	8,12,16, 32 kbps	90
25 KHz	16, 32, 48, 64 kbps	90

Sincerely,

Client's signature: 

Client's name & title: CEO, NextGen RF Design, Inc.

Contact information / address: 2130 Howard Drive W., North Mankato, MN 56003