

## Declaration Letter

FCC ID: F5322PGP9920

IC: 160A-PGP9920

Product Name: PGP9920 P9M3

A Part 15 repeater is a device that is intended to re-radiate an input signal by demodulating, re-shaping or re-timing the signal; and/or perform a combination of any of these functions, on a radio frequency input signal. A Part 15 repeater is a device intended for re-transmission of information that ensures the elimination of re-transmissions of any input noise or any other unwanted signals. These devices can be approved under the following conditions:

<p>1. A Part 15 repeater must be certified with a unique FCC ID, and used with transmitters that operate compliant to a specific Part 15 rule, or set of rules (as a composite device). The repeater must only re-transmit signals that are uniquely identified as originating from a transmitter, or set of transmitters, with which the repeater is authorized to operate</p>	<p>Answer:          This product is certified with FCC ID: F5322PGP9920          Operated with Transmitter/products based on unique PG2 protocol.          The repeater re-transmits signals that are uniquely identified as originating from a transmitter, or set of transmitters, with which the repeater is authorized to operate</p>
<p>2. The Grant of Equipment Authorization for a Part 15 repeater must list the FCC IDs for all transmitters with which the repeater is authorized to operate. Additional transmitters can be added through a Class II permissive change, provided that test data is submitted for each new transmitter. A Grant of Authorization will then be issued approving the additional transmitter(s) with the listed FCC IDs.</p>	<p>Answer:          The Repeater is authorization to operate with PG2 device that submitted to FCC and have FCC ID</p>
<p>3. Part 15 repeaters designed to be inter-operable with open source or industry standard transmitters, must provide test data demonstrating compliance with a certified transmitter. The Grant of Equipment Authorization must note the FCC ID of the transmitter used for the inter-operable test.</p>	<p>Answer:          This product is not designed to operate with open-source industry standard transmitter</p>

<p>4. A Part 15 repeater must comply with all requirements in the rule part under which the Grant of Equipment Authorization is requested, including technical, operational and all other limitations set forth in the applicable rules, regardless of the input signal conditions. For example, a Part 15 repeater Frequency Hopping Spread Spectrum (FHSS) system operating under Section 15.247 must meet the receiver requirements in Section 15.247(a)(1) with the input bandwidths that match the FHSS transmit bandwidth, and must hop in synch with the FHSS transmitter</p>	<p>Answer:          This product complies with all requirements of part 15 subpart C 15.247(FHSS) and sections 15.247(a)1          15.247(b)          15.247(d)          15.247(i)5</p>
<p>5. Tests must show compliance with maximum input levels, for each transmitter with which the repeater is authorized to operate.</p>	<p>Answer:          Please refer to test report</p>
<p>5.1 A standalone Part 15 amplifier or device that does not uniquely identify the specific signals from transmitters with which it is authorized to operate can only be authorized as a complete transmission system per Section 15.204. Such a device can only be operated in the configuration in which it was authorized, and an equipment authorization for the device will not be issued with a unique FCC ID.</p>	<p>Answer:          The Repeater is authorization to operate with PG2 products with unique protocol and FCC certified</p>