

gotenna PRO

Spec Sheet for Pro Embedded Module

General Specifications

Module Dimensions LxWxH	1.34 x 1.25 x 0.1 in / 3.40 x 3.17 x .25 cm
Weight	.35 oz / 10 g

Receiver

VHF Frequency	142 to 175 MHz
UHF Frequency	445 to 480 MHz
Channel Spacing	6.25kHz, 12.5kHz, 25kHz (User Selectable)
Frequency Stability (-30°C, +60°C, +25°C Ref)	2.5ppm
Digital Sensitivity (5% BER)	-110 dBm

Transmitter

VHF Frequency	142 - 175 MHz
UHF Frequency	445 - 480 MHz
Channel Spacing	6.25kHz, 12.5kHz, 25kHz (User Selectable)
Frequency Stability (-30°C, +60°C, +25°C Ref)	2.5ppm
Low Power Output	0.5 W
High Power Output	5W
Modulation	4GFSK (Digital)

Environmental

Operating Temperature	-20 to 60 C
Storage Temperature	-30 to 60 C

Mesh Networking

Mesh Networking protocol	Aspen Grove™
Hop Limit	6
Payload Size	235 Bytes Max

Connectors

Antenna Port	U.FL
Data Connection	SPI with GPIOs

* Not yet certified

** See: <https://www.gotenna.com/pages/legal>

