

goTenna MESH SPEC SHEET

GENERAL SPECIFICATIONS	FCC/IC	CE
Radio Dimensions HxWxD	5 x 1.25 x 0.5 in	
Weight	1.7 oz	
FCC ID	2ABVK80085	n/a
IC ID	21842-GTISM01	n/a
CE	n/a	Approved*
Intrinsic Safety	n/a	
BATTERY		
Battery Life (Standby)	27 Hours	
Battery Life (Nominal)	24 Hours**	
Battery Capacity	LiPo, 589mAh, 2.18Wh	
Charge Time	3 Hours	
RECEIVER		
Frequency	902 - 928 MHz	869.425 - 869.625 MHz
Channel Spacing	25kHz	
Frequency Stability (-30°C, +60°C, +25°C Ref)	2.5ppm	
Digital Sensitivity (5% BER)	-106 dBm	
TRANSMITTER		
Frequency	902-928 MHz	869.425-869.625 MHz
Channel Spacing	25kHz	
Frequency Stability (-30°C, +60°C, +25°C Ref)	2.5ppm	
Low Power Output	0.5 W	
High Power Output	1 W	
Modulation	GFSK	
ENVIRONMENTAL SPECIFICATIONS		
Operating Temperature	-20 to 60 C	
Storage Temperature	-30 to 60 C	
ADDITIONAL		
Antenna	0 dBi gain, Linear, Inverted-F	
Mesh Networking protocol	Aspen Grove™	
Hop limit	6***	
Payload size	235 Bytes Max	
Bluetooth	BLE 5.0 & BLE 4.0+	
USB port	Micro USB 2.0	

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

** Depends on number of units in the network, number of hops, and how often transmission occurs

*** May require subscription

