



866MHZ RADIO VEGA LITE



	Navwave Systems	Ver: v1.0
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1.0 Introduction

The **NavWave Systems VEGA-LITE**, is a compact, high-performance wireless radio module designed for long-range, low-power communication applications. Operating in the **860 MHz–868 MHz**, the module integrates a high-performance RF transceiver, power amplifier, and embedded controller to deliver reliable wireless connectivity with an RF output power of up to **5 W (37 dBm)**.

Designed as a ready-to-integrate communication module, the VEGA-LITE is suitable for industrial automation, telemetry, remote monitoring, smart infrastructure and other long-range wireless applications requiring robust and dependable RF performance. The module supports bidirectional wireless communication with excellent receiver sensitivity, high link reliability, and optimized power efficiency.

Technical specifications for the **VEGA-LITE** are provided in the following sections.

2.0 Specifications

Sl.No	Parameter	Specifications	Remarks
1.	Operating Frequency	860 MHz-868 MHz	
2.	TX Power	37 dBm	
3.	Operating Voltage	12V	
4.	Power ON Indication	Green LED	
6.	Out Connector	SMA(F)	
7.	Current consumption	2A (Max) Tx Less than 10mA Rx	Current Drawn 10 mA in Idle state
8.	Antenna Impedance	50 Ohms	
9.	Power supply interface	Through Feed through and Ground LUG	
10.	Damage Input power	7 dBm	Not more than 7 dBm
11.	Mechanical Dimensions	43mmx42mmx14mm	LXWXH