

Thales Avionics Dual-band Antenna

The antenna employs a dual-antenna system designed for both 2.4 GHz and 5 GHz frequencies, catering to both WIFI and Bluetooth functionalities. It is equipped with customized cables to optimize performance and ensure seamless connectivity. The incorporation of dual antennas enhances signal reception and transmission across a broad spectrum of wireless communication frequencies.



Antenna 1		
Standard	2400 MHz	5800 MHz
Operation Frequency (MHz)	2400-2500 MHz	5150-5850 MHz
Polarization	Linear	Linear
Impedance	50 Ohms	50 Ohms
Max Return Loss (dB)	-15	-9
Peak Gain (dBi)	3.6	4.5
Efficiency (%)	48	38
Average Gain (dB)	-3.2	-4.2

Antenna 2		
Standard	2400 MHz	5800 MHz
Operation Frequency (MHz)	2400-2500 MHz	5150-5850 MHz
Polarization	Linear	Linear
Impedance	50 Ohms	50 Ohms
Max Return Loss (dB)	-14.2	-9
Peak Gain (dBi)	3.8	5.7
Efficiency (%)	49	39
Average Gain (dB)	-3.1	-4.0

Mechanical	
Dimensions (mm)	30 x 20.9 x 0.19
Required Space (mm)	30 x 20.9 x 0.19
Material	Polymer
Connector	ECT: 818000089 (Plug 1)