

## Antenna Description

The product uses 2 antennas for diversity. Only one antenna is used at any time (single-stream).

One antenna is a SMD chip antenna with the following specifications:

Bluetooth / WLAN / WiFi, W3008C					
Typical performance (test board size 80x37 mm, PWB ground clearance area 4.00 x 6.25 mm)					
Frequency Range [MHz]	Linear Max Gain [dBi]	Efficiency [%] / [dB]	Return loss min. [dB]	Impedance [Ω]	Operating Temperature [°C]
2400-2483.5	2.2 (Peak) 1.9 (Band edges)	75 / -1.3 (Peak) 70 / -1.6 (Band edges)	-11	50	-40 to +85

The second antenna is a PCB trace “F” antenna. This antenna is not intended to have any gain and is placed at a right-angle compared to the SMD chip antenna.

