

		Revision
		B
	Antenna Datasheet – JPM Chase Stick	Release Date
		01-10-2025

1 Antennas overview

There are 4 antennas embedded in the device.

Main cellular antenna (698-869Mhz, 1710-2200Mhz, 2500-2690Mhz) is FPC monopole antenna glued in the back cover of the device see Figure 1

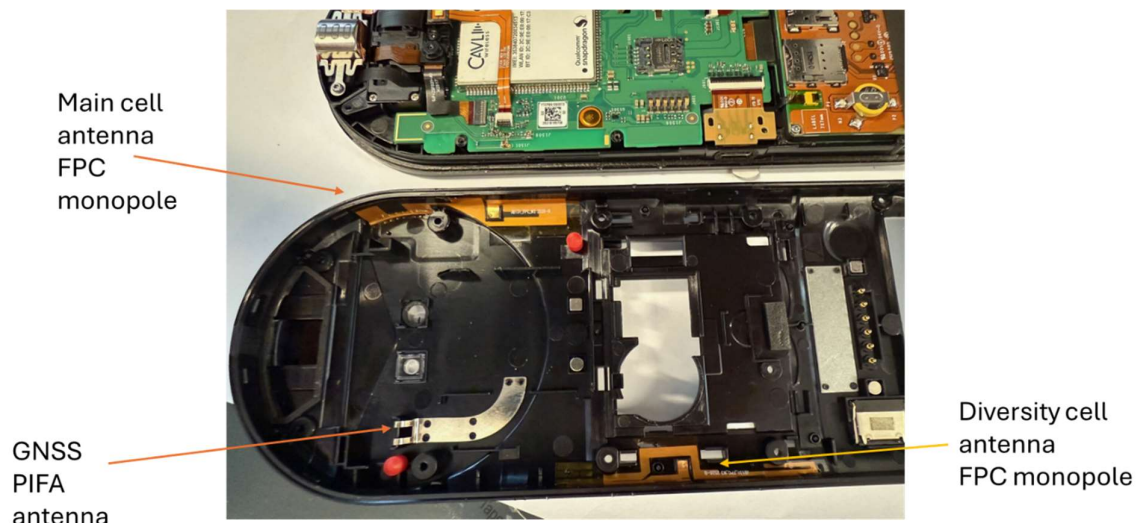
Diversity cellular antenna (698-869Mhz, 1710-2200Mhz, 2500-2690Mhz) is FPC monopole antenna glued in the back cover of the device see Figure 1

GNSS antenna (1574-1610Mhz) is a metal stamped PIFA heat staked in the back cover see Figure 1

WIFI/BLE antenna (2.4Ghz/5Ghz) is a PCB IFA structure see Figure 2

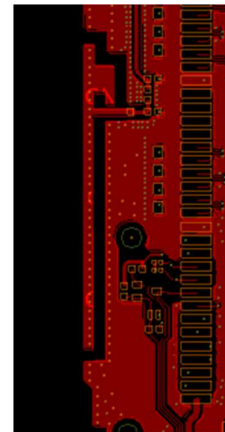
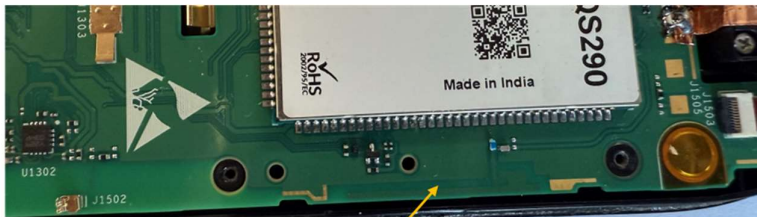
Antennas are RoHS and REACH Compliant

Figure 1



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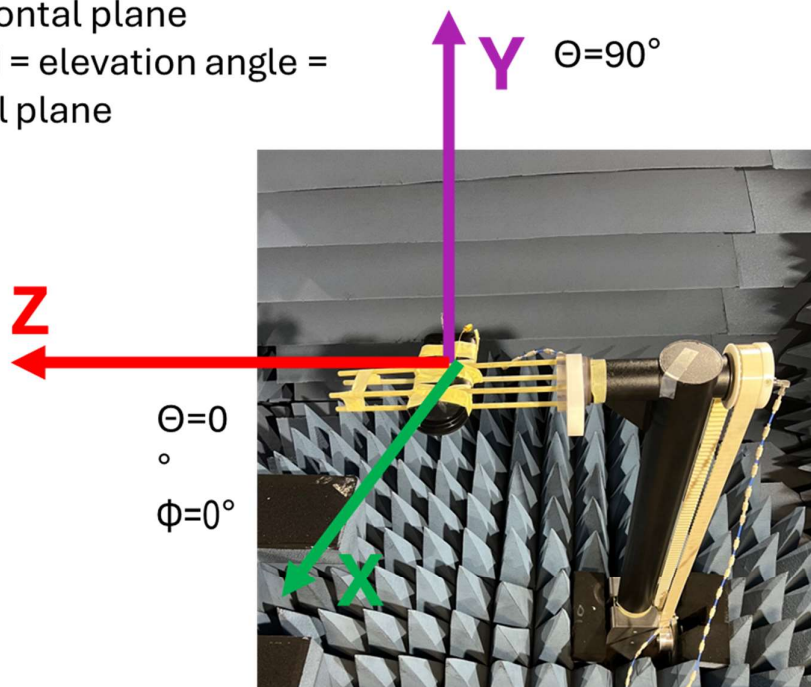
Figure 2



WIFI/BLE antenna

2 Measurement setup

Θ = theta = azimuth angle
= horizontal plane
 Φ = phi = elevation angle =
vertical plane



XY plane = Elevation plane 1 (cut @ $\Theta = 90^\circ$) XZ plane = azimuth plane (cut @ $\Phi = 0^\circ$) YZ plane = elevation plane 2 (cut @ $\Theta = 0^\circ$)

