



Pradco / Edge 3 PPR Antenna Design

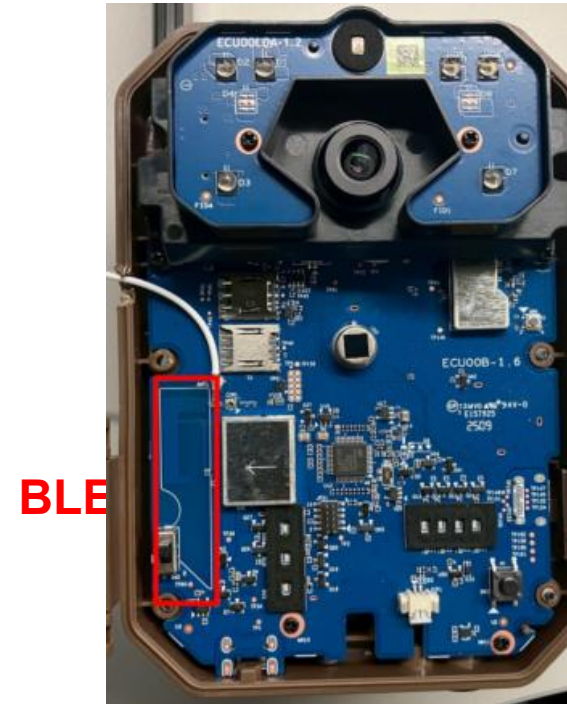
Apr. 02, 2025

Prepared by Johnson

Outline

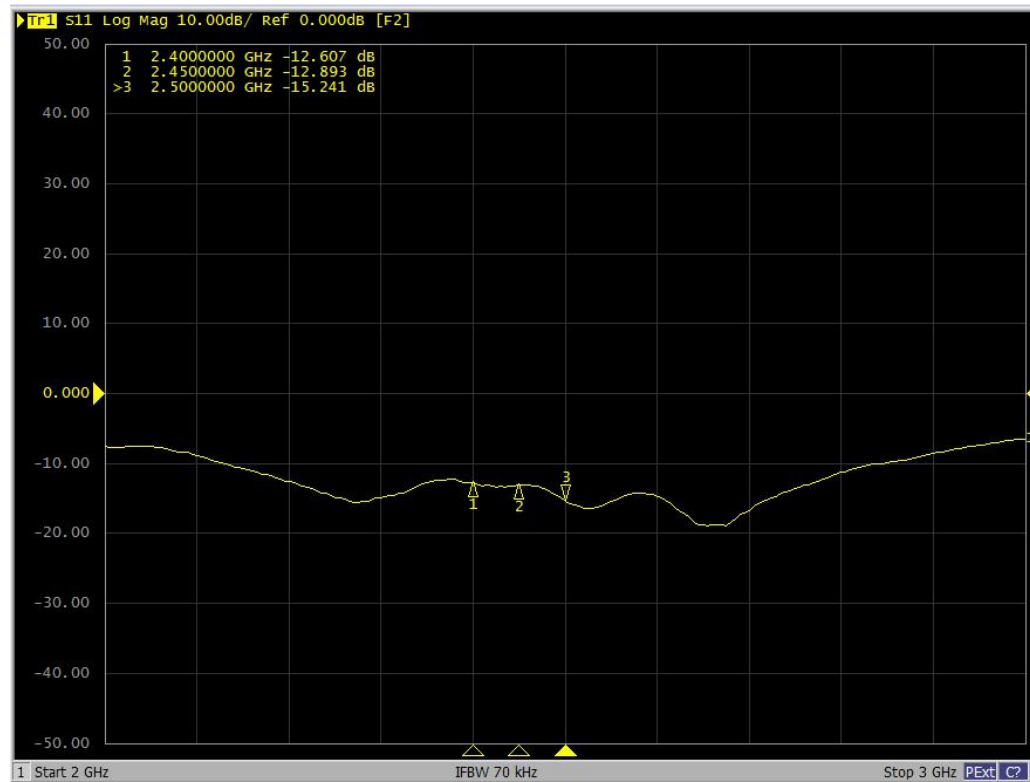
- Antenna Structure & Placement
- Return Loss & Peak Gain & Efficiency
- 3D Radiation Pattern

Antenna Structure & Placement



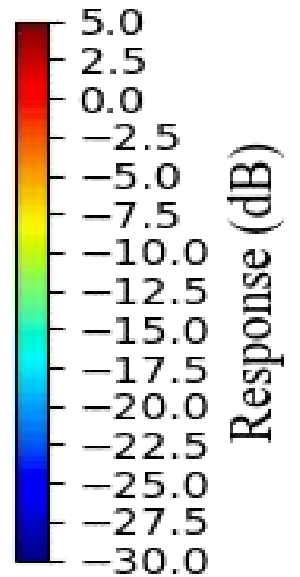
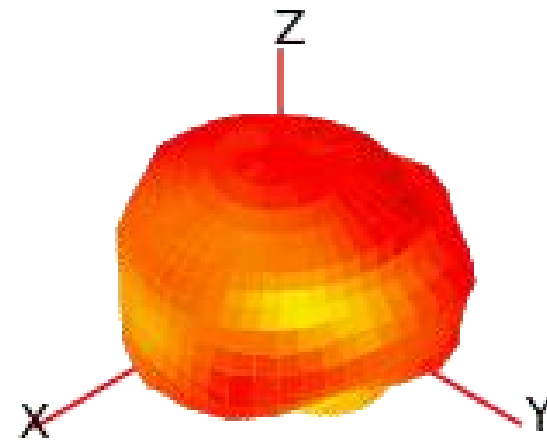
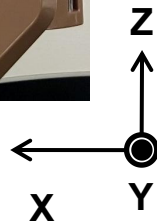
Ant No.	Operating Band	Material	Feeding	Dimension
BLE	2400MHz ~ 2500MHz	PCB	Trace	40(L) x 10(W) x 1.6(T) mm ³

Return Loss & Peak & Efficiency - BLE



Freq. (MHz)	BLE	
	Efficiency (%)	Peak Gain (dBi)
2400	61.5	2.77
2450	62.7	2.95
2500	63.3	3.12

3D Radiation Pattern – BLE @ 2.45GHz



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