

Pradco Phillis Hunting Camera BLE Antenna Test Report

Mar. 01, 2023
Prepared by Carl Hung

Outline

- Antenna Structure & Placement
- Return Loss
- Isolation
- Radiation Pattern
- System Coverage
- Peak Gain & Efficiency



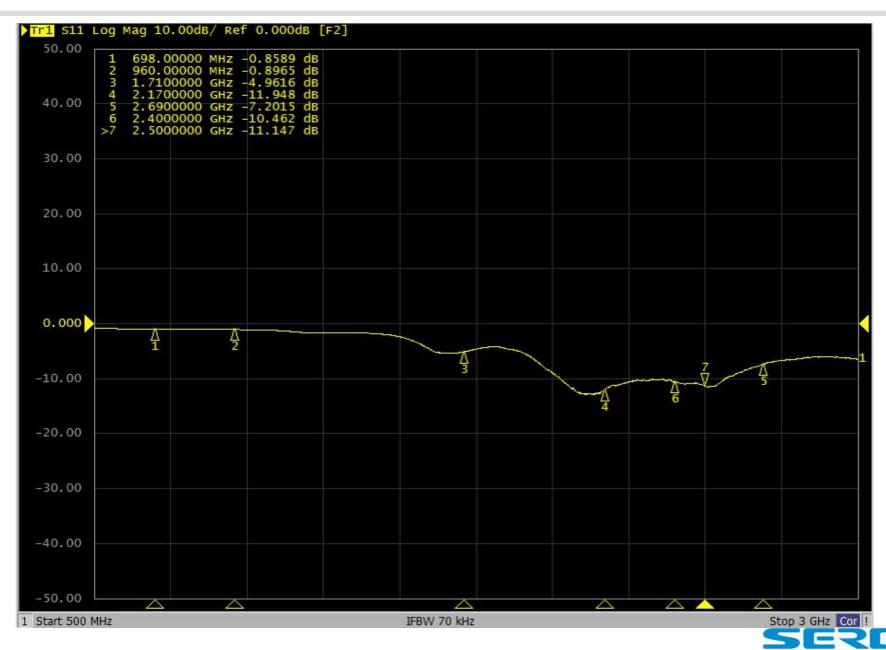
Antenna Structure & Placement

please refer to EDGE PRO-Antenna Test Report Set up

Ant No.	Operating Band	Туре	Material	Feeding	Dimension
Ant 1	WiFi 2.4G	PIFA	Printed	Trace	41.13 x 10 mm ²

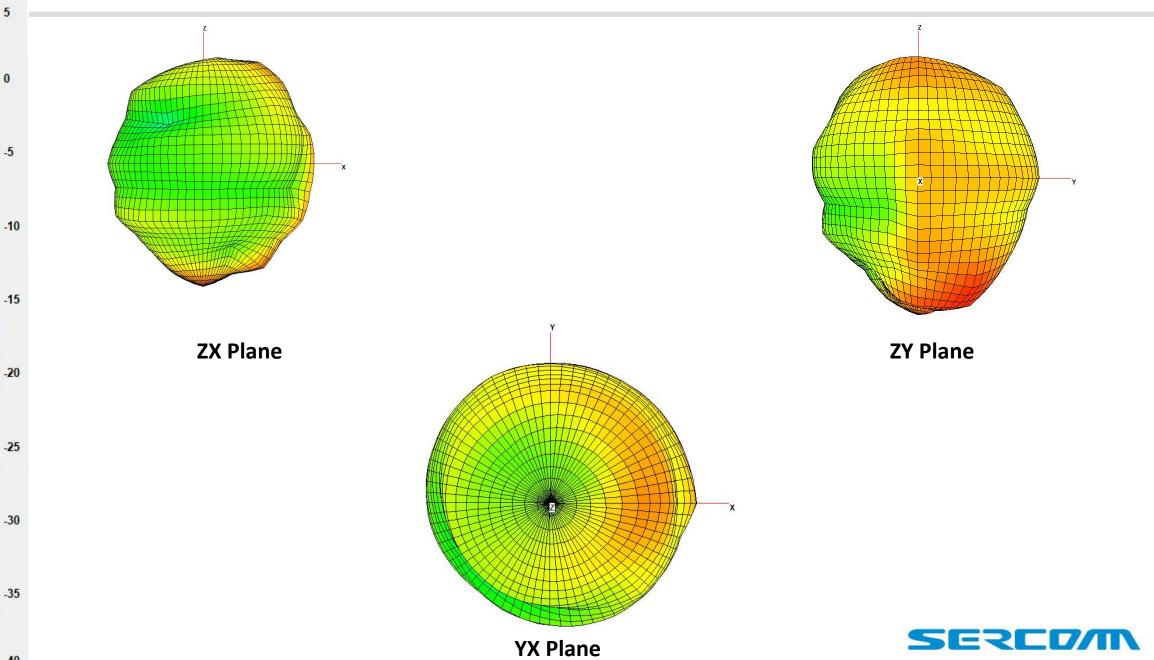


Return Loss @ BLE

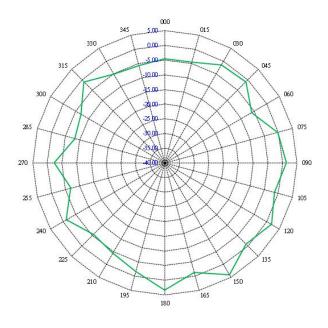


3D Radiation Pattern – BLE@ 2.45GHz

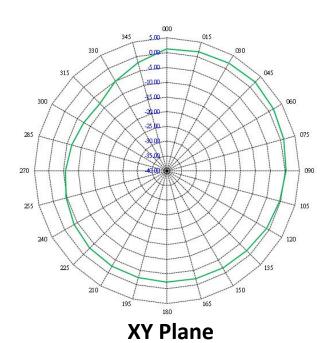
Response (dB)

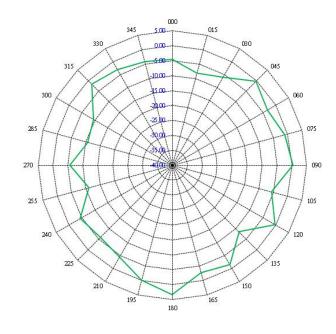


System Coverage – BLE @ 2.45GHz



ZX Plane





ZY Plane



Peak Gain & Efficiency

Ant 1 (BLE)						
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)				
2400 MHz	4.85	57.7				
2450 MHz	4.89	59.0				
2500 MHz	4.36	65.6				





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