

Ring Intercom Antenna Specifications

Device Name: Ring Intercom

Device Model Number: 5F34E9

Antenna	Technology	Frequency (MHz)	Peak Gain (dBi)	Type	Dimension	Pattern
1	WIFI	2400-2483	4.6	PCB-ILA	10*14mm	Omni Directional
2	BLE	2400-2483	2.5	PCB-ILA	10*53mm	Omni Directional
	LORA	860-870 900-927	2.5	PCB-ILA	10*53mm	Omni Directional

Antenna Gain Measurement Procedure

Measurements were performed in a Multi-probe OTA measurement system- Model No. WSP-TEM-24 and using the following test equipment-

1. Agilent E5071C Network Analyzer
 1. Calibration Due: Jul 19, 2023.

Measurement procedure is as described below-

1. Pigtail the antenna out of the DUT (passive test).
2. Set up the device on the turn table, and align the position with the laser.
3. Connect the antenna to the test cable inside the turn table.
4. Start the measurement program.

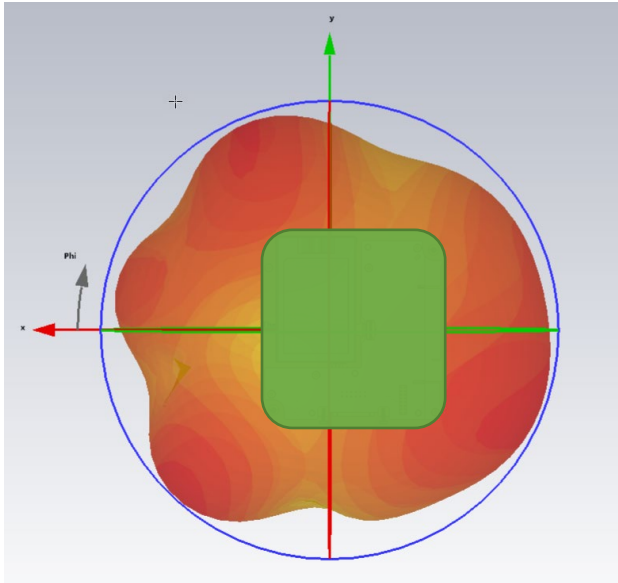
-Set the test frequency

-Set the sampling angle

-Start the test process

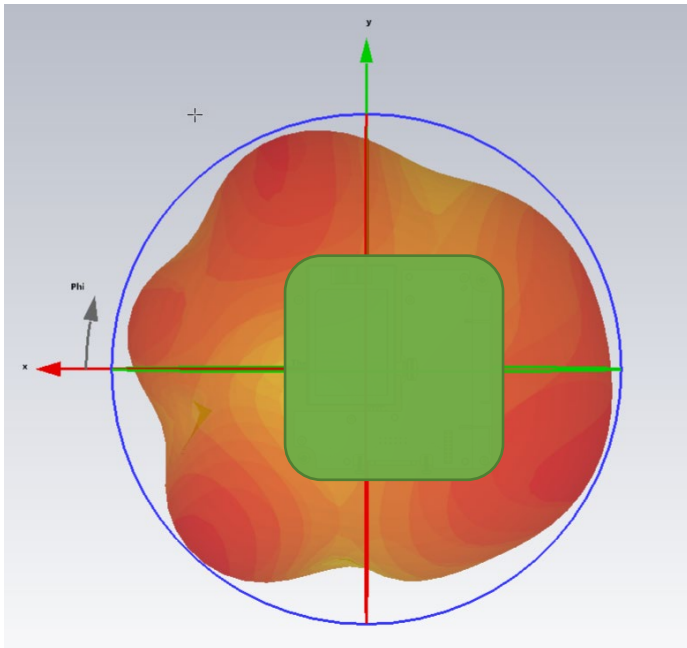
5. Check the efficiency/2D/3D pattern after the process finished.

Antenna radiation pattern
WIFI antenna pattern



LORA + BLE antenna pattern

Lora



BLE

