



Antenna Test Report for Playground_Outdoor
- DVT build
- for lab

Feb. 23, 2022



Summary

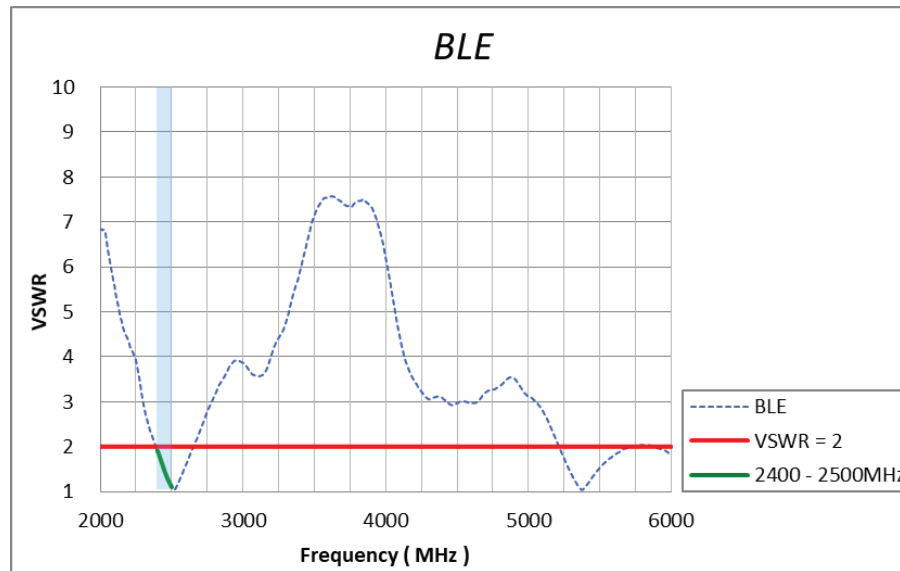
Antenna Brand: CISCO

- ***VSWR under 2.0***
- ***Isolation***
 - *30dB for BLE to WiFi 2.4GHz*
- ***Average Radiation efficiency (excluding cable length loss)***
 - *71% for BLE*
- ***Peak gain***
 - *2.4dBi for BLE*

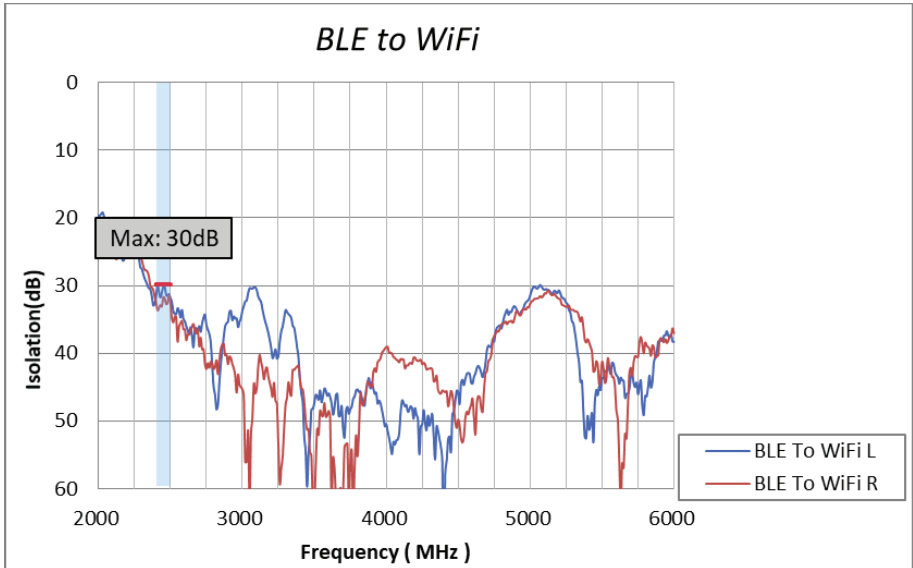
Antenna Efficiency and Gain

Antenna	P/N	Antenna Type
BLE	95XEAK15.008	Dipole

	Frequency	2400	2450	2500	Avg.
BLE	Efficiency	67%	69%	72%	69%
	Average Gain	-1.7	-1.6	-1.4	
	w/o cable loss	69%	71%	74%	71%
	Peak Gain	2.1	2.2	2.4	

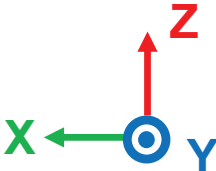


Isolation

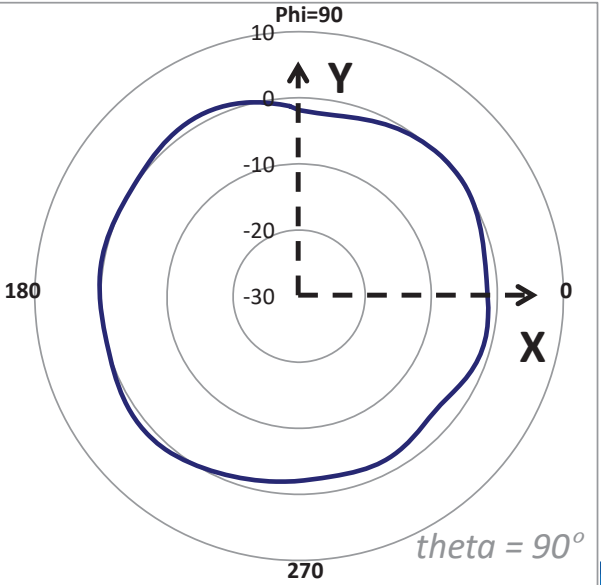
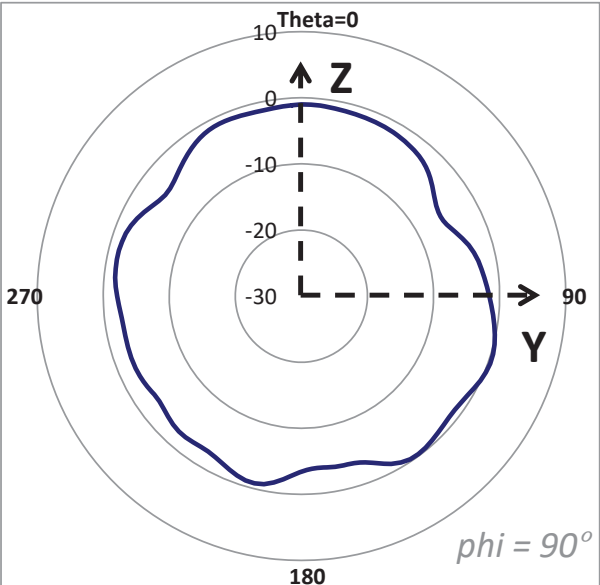
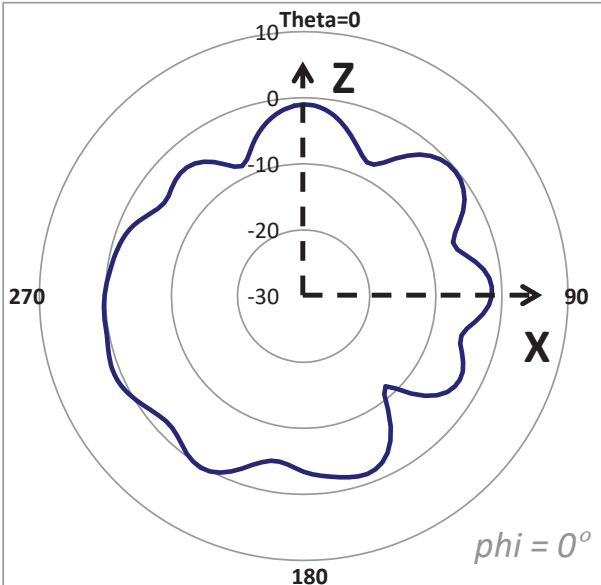


Radiation Pattern for BLE

BLE



— BLE



WNC

Wistron NeWeb Corp.

