



# Antenna Test Report for Playground\_Indoor - DVT build \_for lab

Feb. 23, 2022

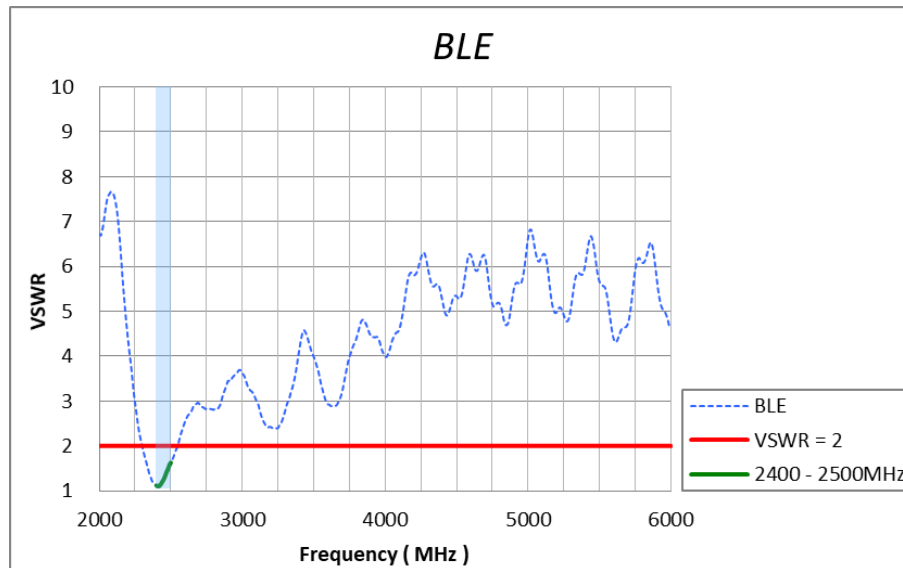
# Summary Antenna Brand : CISCO

- ***VSWR under 2.0***
- ***Isolation***
  - *25dB for BLE to WiFi 2.4GHz*
- ***Average Radiation efficiency (excluding cable length loss)***
  - *72% for BLE*
- ***Peak gain***
  - *4.4dBi for BLE*

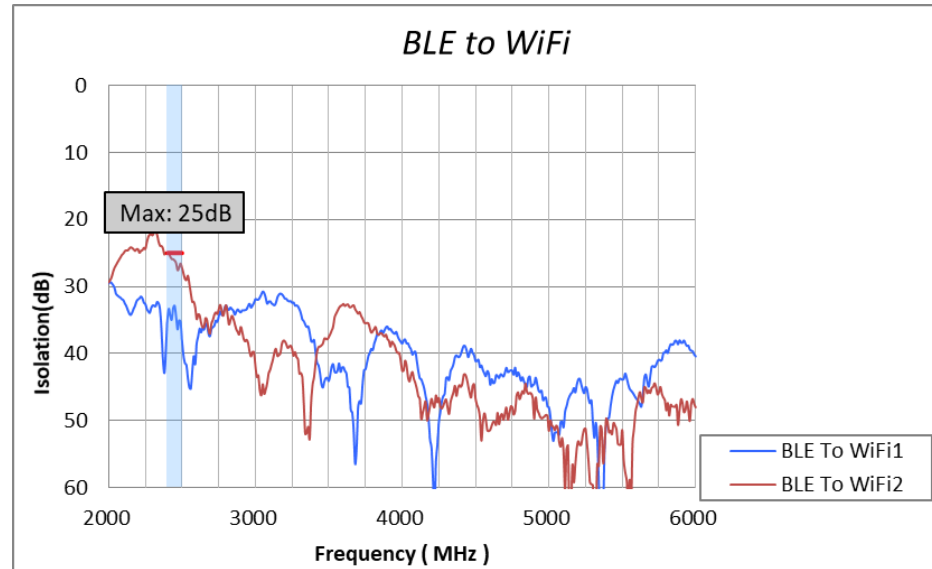
# Antenna Efficiency and Gain

Antenna	P/N	Antenna Type
BLE	95XEAK15.005	PIFA

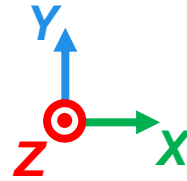
	Frequency	2400	2450	2500	Avg.
<b>BLE</b>	Efficiency	64%	63%	62%	63%
	Average Gain	-2.0	-2.0	-2.1	
	w/o cable loss	73%	71%	71%	72%
	Peak Gain	4.4	4.2	4.1	



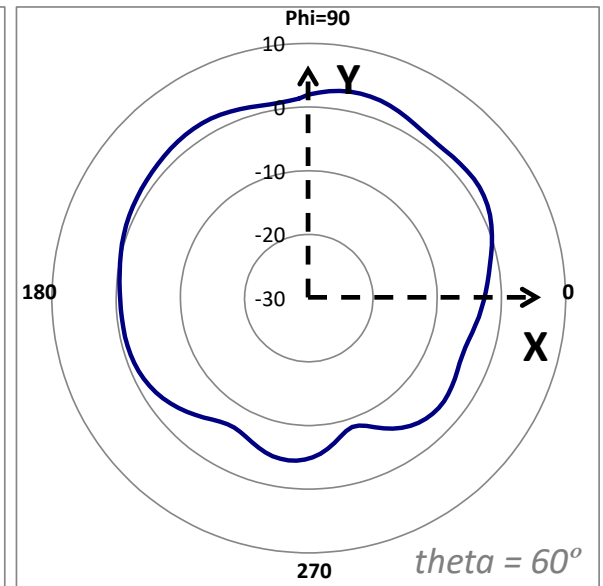
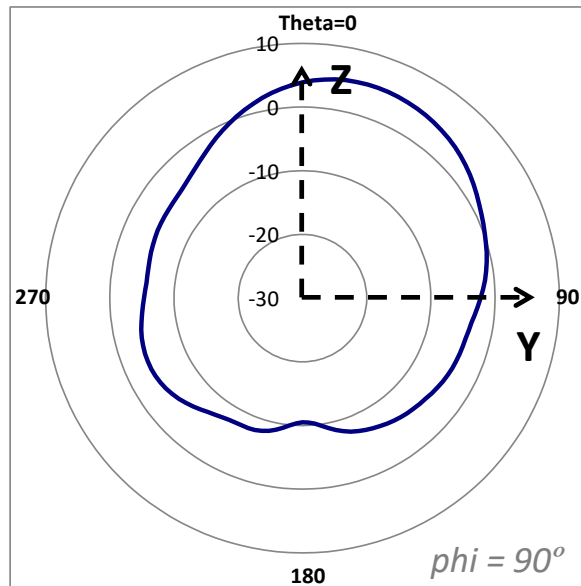
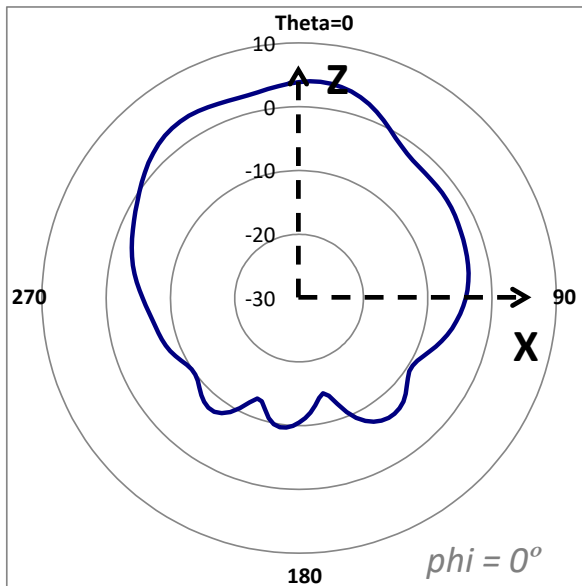
# Isolation



# Radiation Pattern for BLE



— BLE





The logo consists of the letters 'WNC' in a bold, blue, italicized sans-serif font. The 'W' and 'C' are connected at the top, and the 'N' is positioned between them. The background of the entire image is a photograph of a modern glass skyscraper under a bright sky, with green leaves in the foreground.

**WNC**

***Wistron NeWeb Corp.***