

WiFi-2.4G Reference Antenna Datasheet

1. Antenna Specification

1.1. Antenna information

Manufacturer	Type	Antenna Part number	Band	Peak Gain (dBi)	Target Peak Gain (dBi)
Intel WRF Lab	Slot	WRF-6dBi-Slot-2.4G	2.4GHz 2400-2500MHz	6.25	6

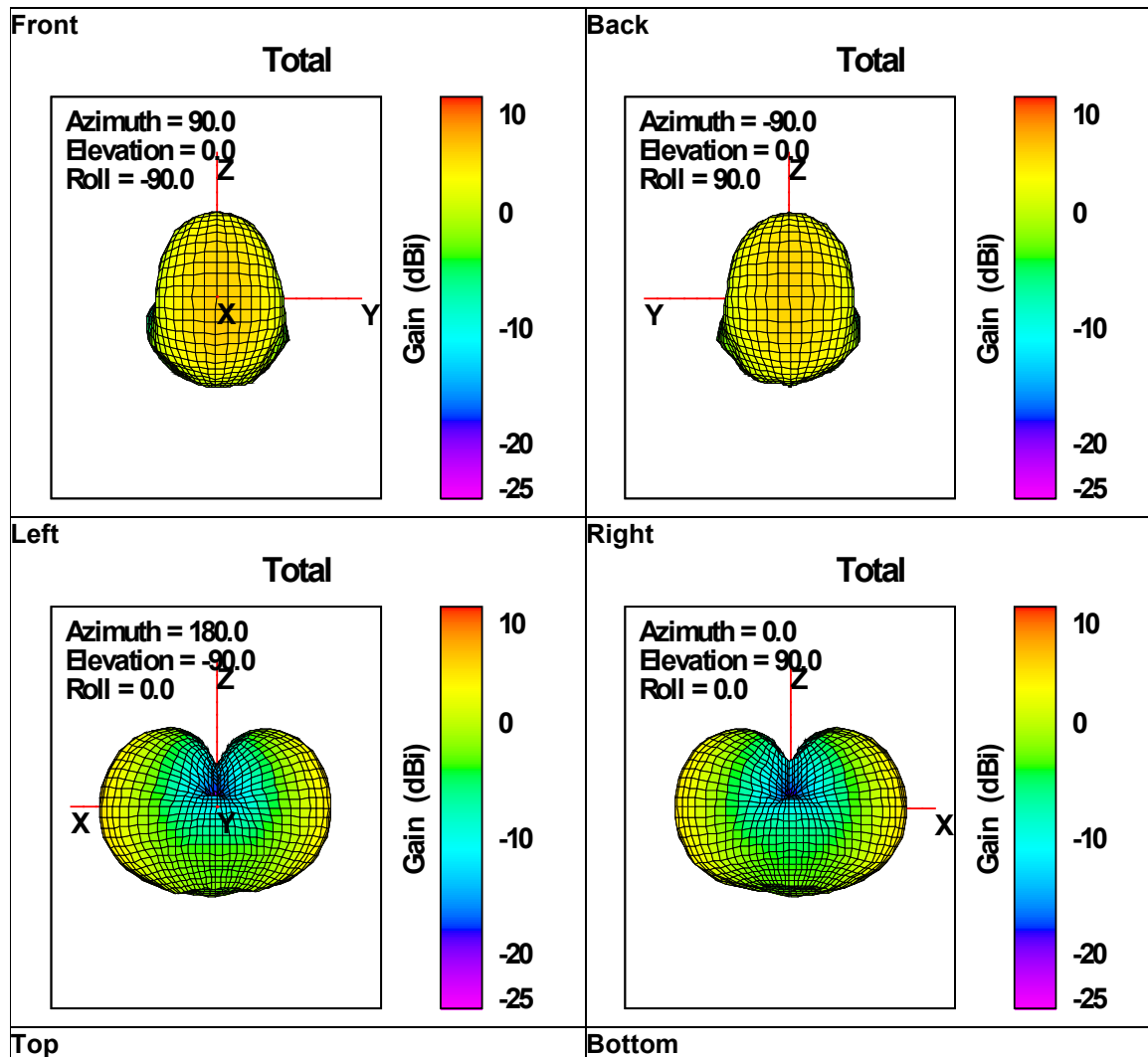
1.2. Antenna Peak Gain Table

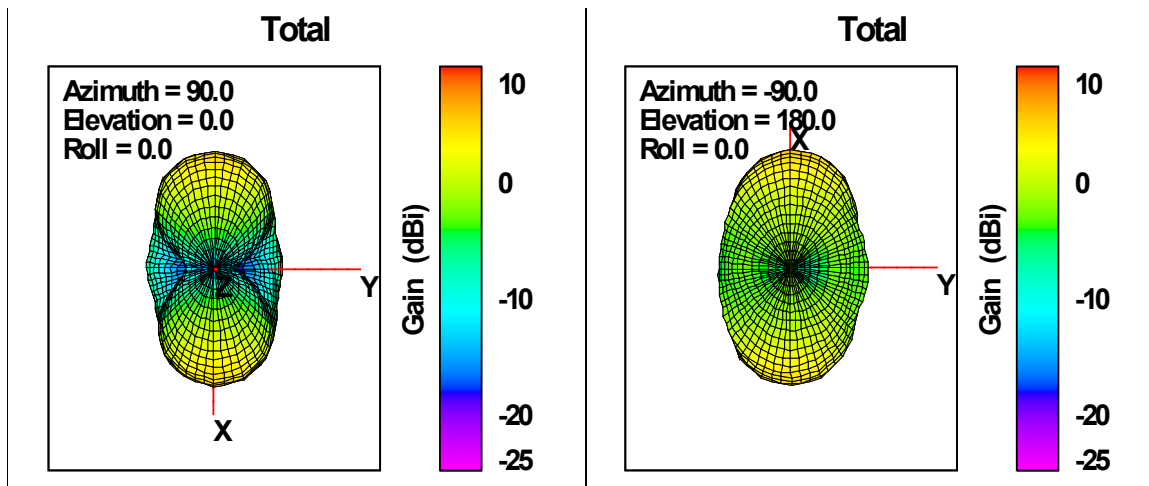
Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
2400	-15.50	5.75	5.78
2430	-32.78	6.17	6.17
2450	-15.54	6.22	6.25
2470	-31.41	6.21	6.21
2483	-32.17	5.85	5.85

2. Antenna Radiation Patterns 2400 - 2483 MHz

2.1. Pattern @2400MHz

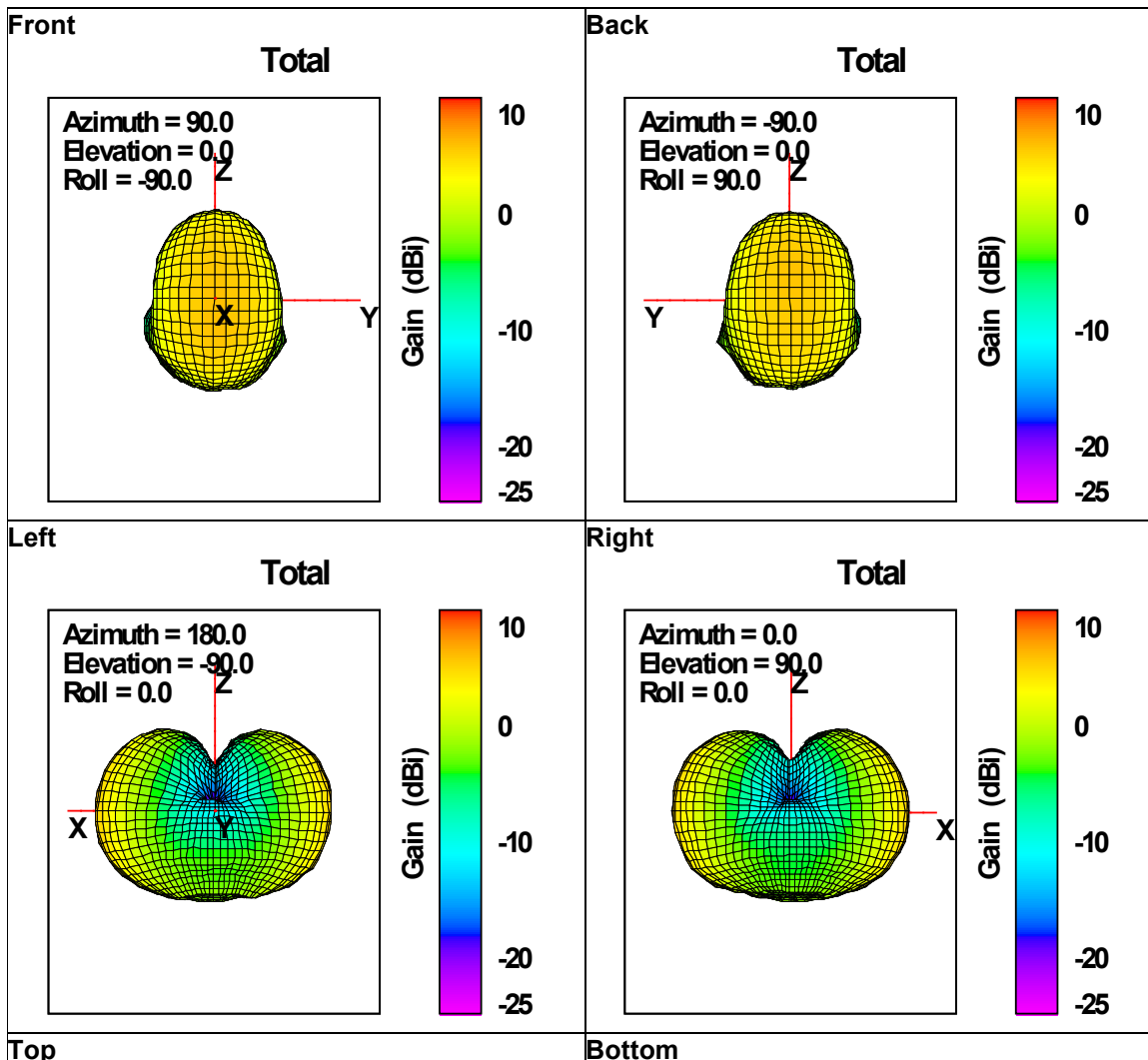
Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
2400	-15.50	5.75	5.78

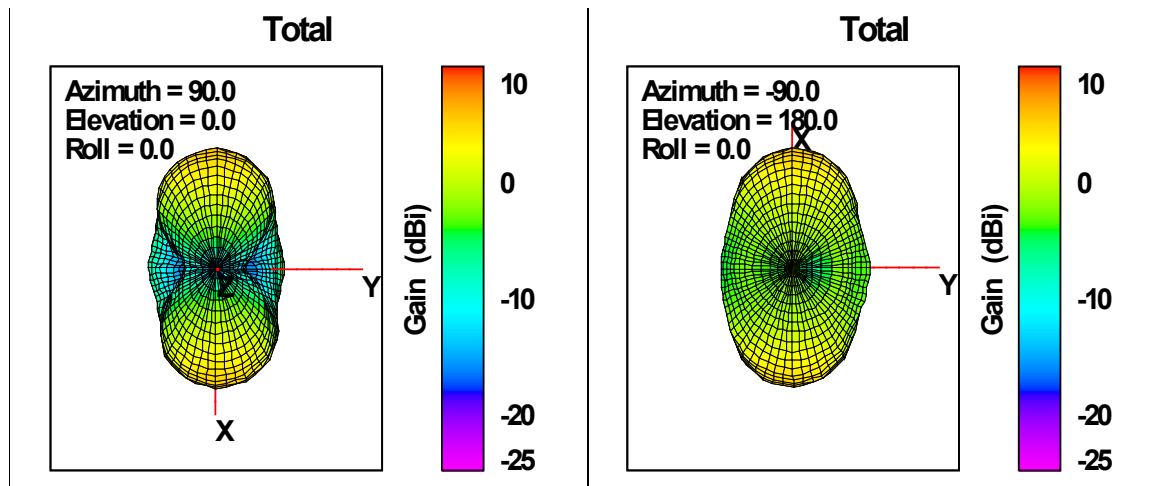




2.2. Pattern @2430MHz

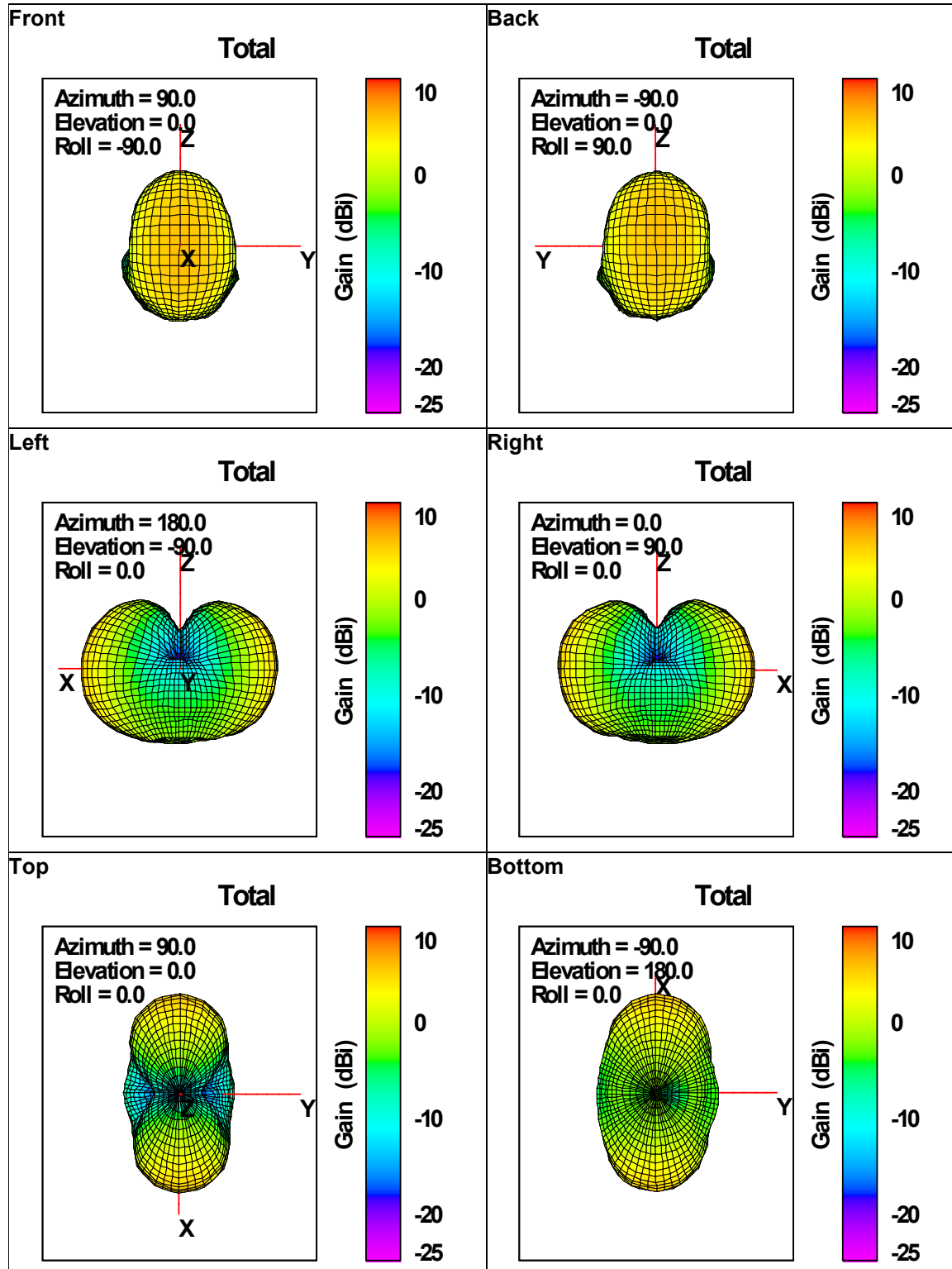
Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
2430	-32.78	6.17	6.17





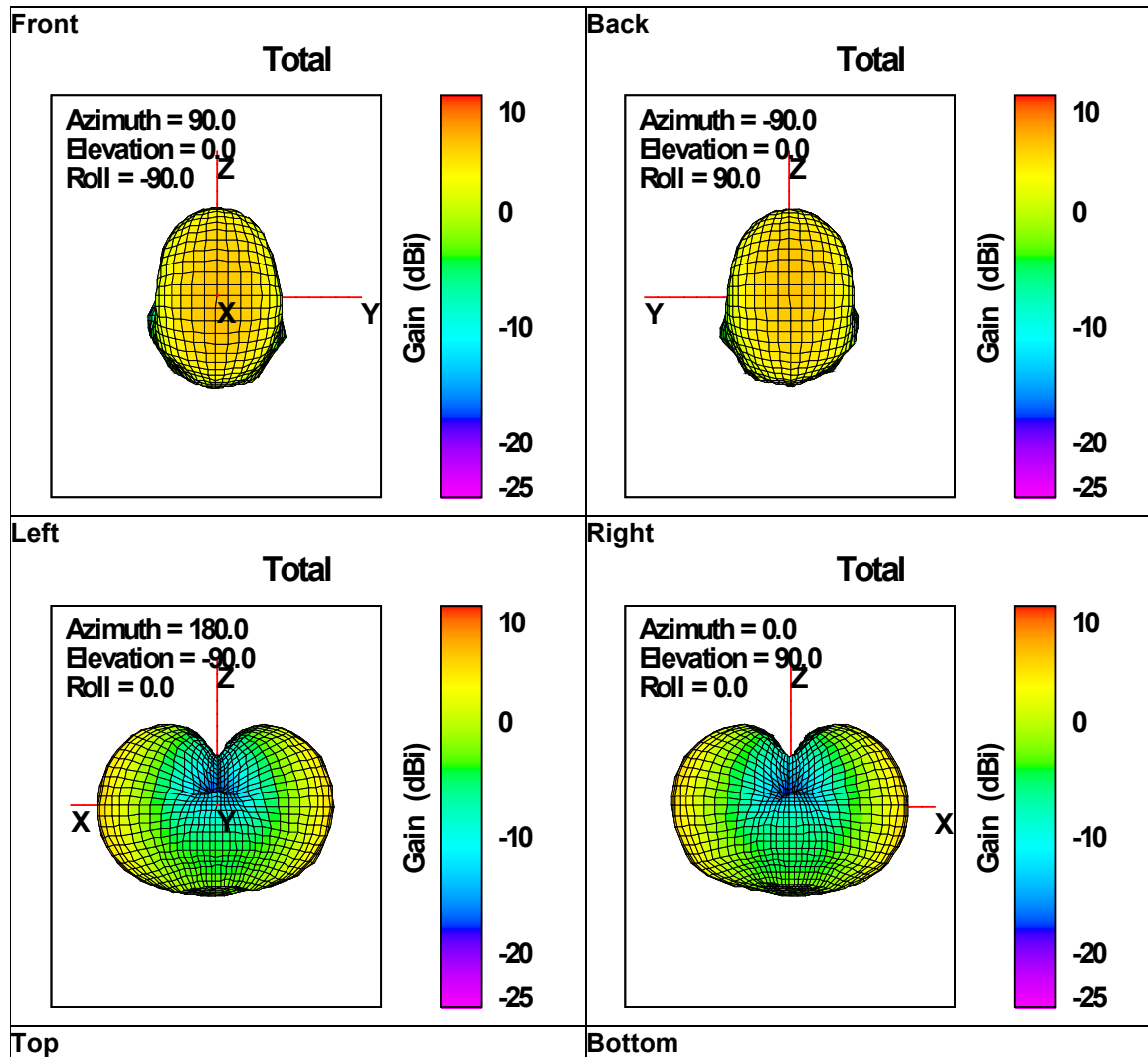
2.3. Pattern @2450MHz

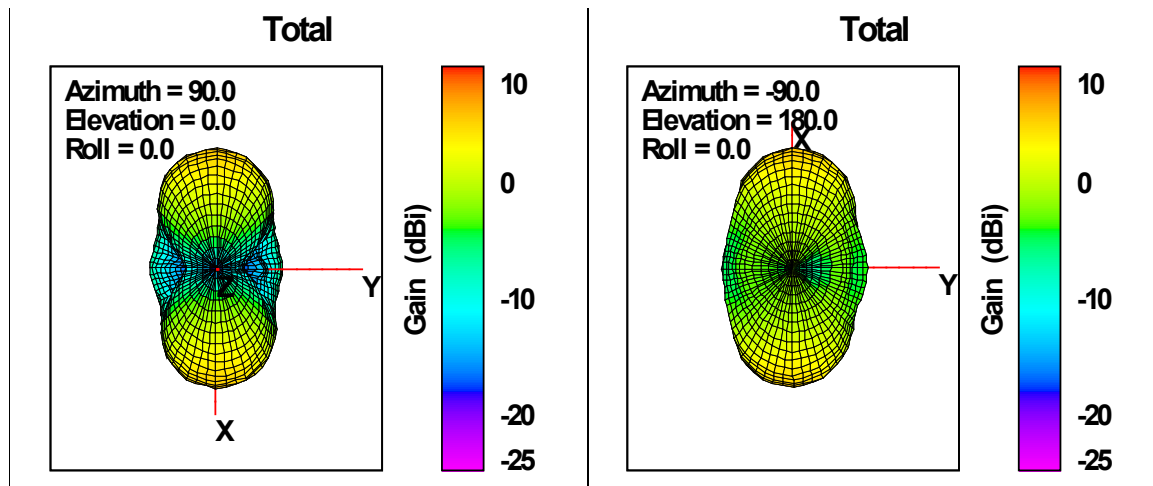
Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
2450	-15.54	6.22	6.25



2.4. Pattern @2470MHz

Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
2470	-31.41	6.21	6.21





2.5. Pattern @2483MHz

Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
2483	-32.17	5.85	5.85

