

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	Monopole	WRF-6dBi-Monopole-2.4G	2.4GHz 2400-2500MHz	6.11	6

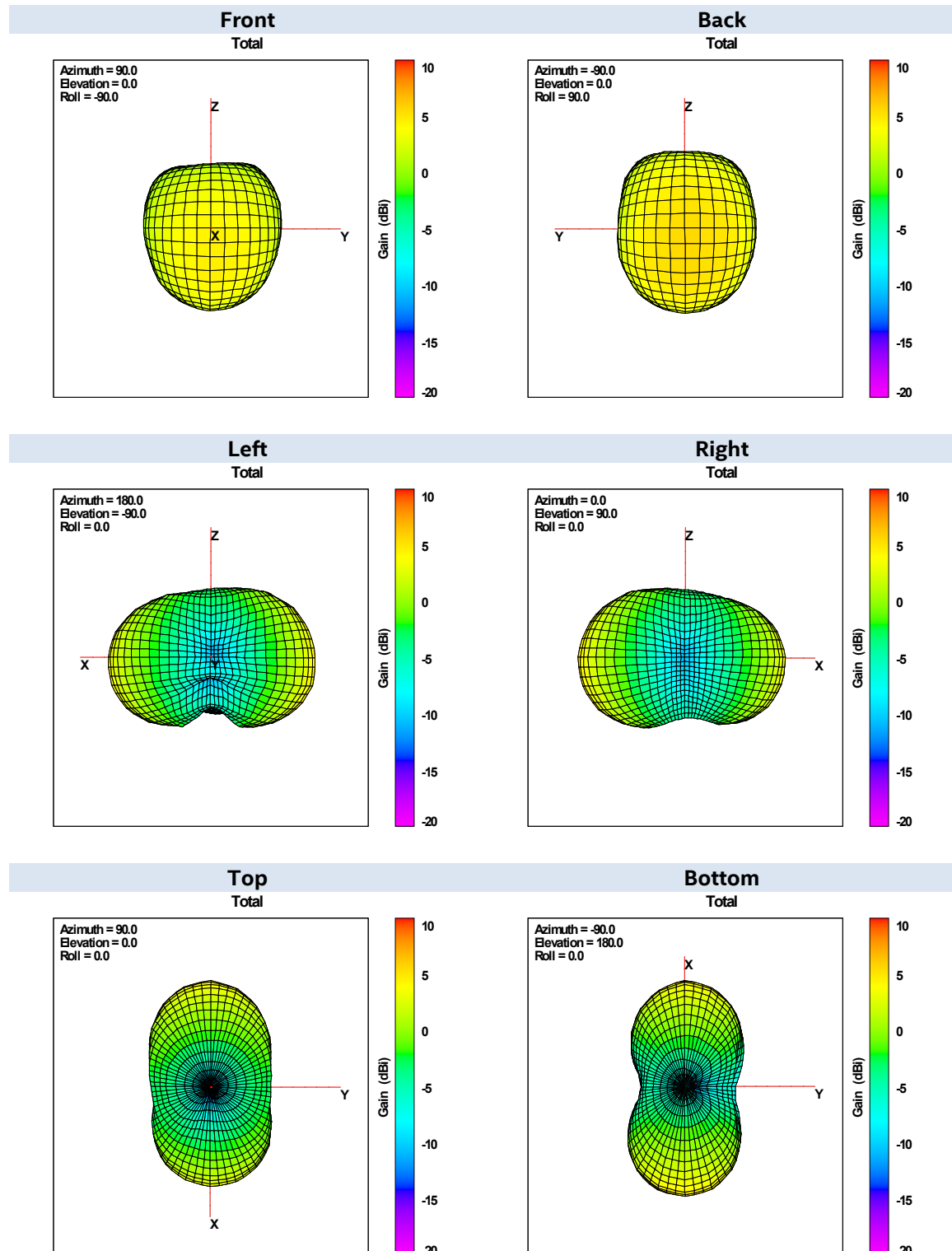
1.2. Antenna Peak Gain Table

Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
2400	-32.21	5.70	5.70
2430	-28.23	6.03	6.03
2450	-30.43	6.10	6.11
2470	-27.92	6.18	6.19
2483	-26.93	5.87	5.87

2. Antenna Radiation Patterns 2400 - 2483 MHz

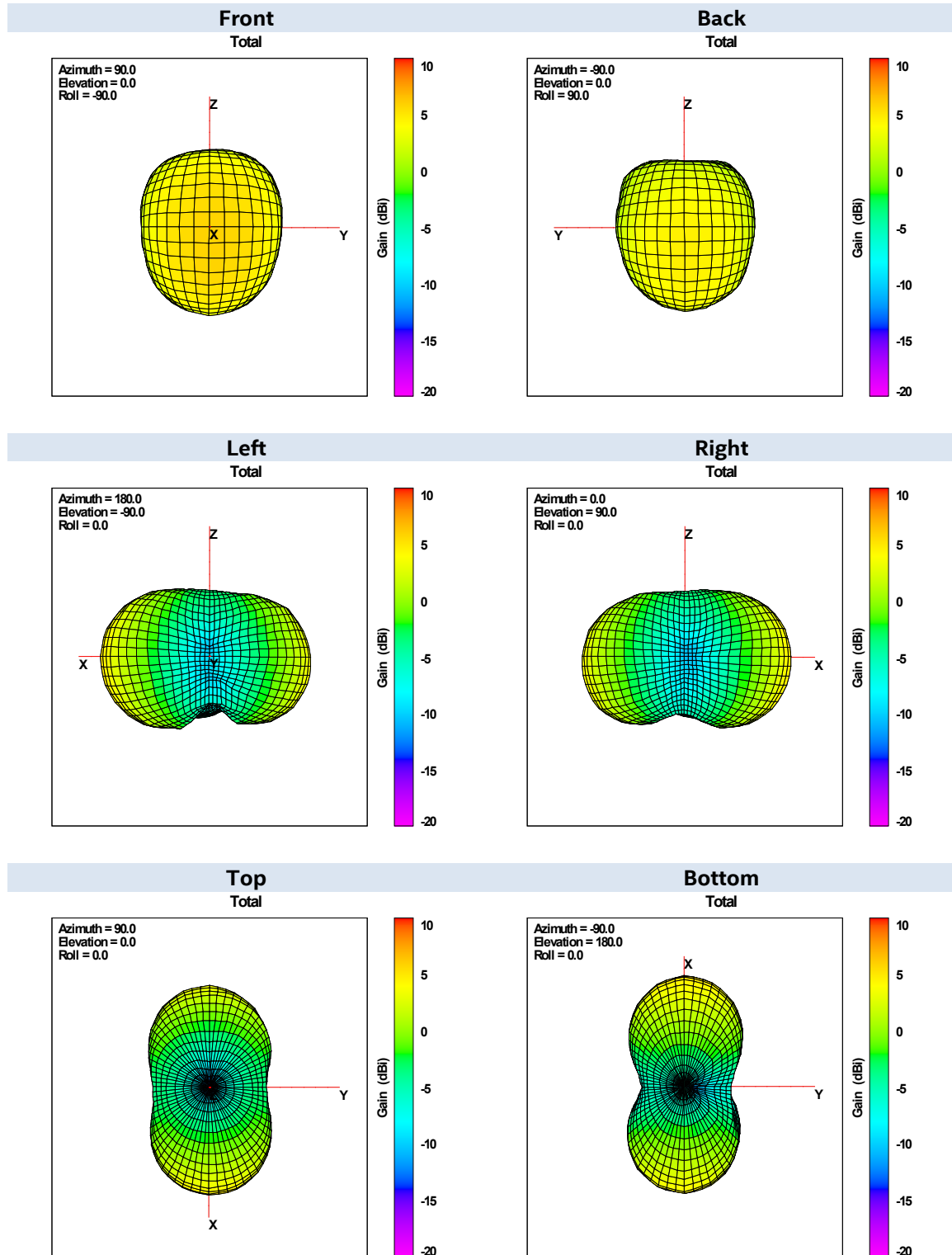
2.1. Pattern @2400MHz

Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
2400	-32.21	5.70	5.70



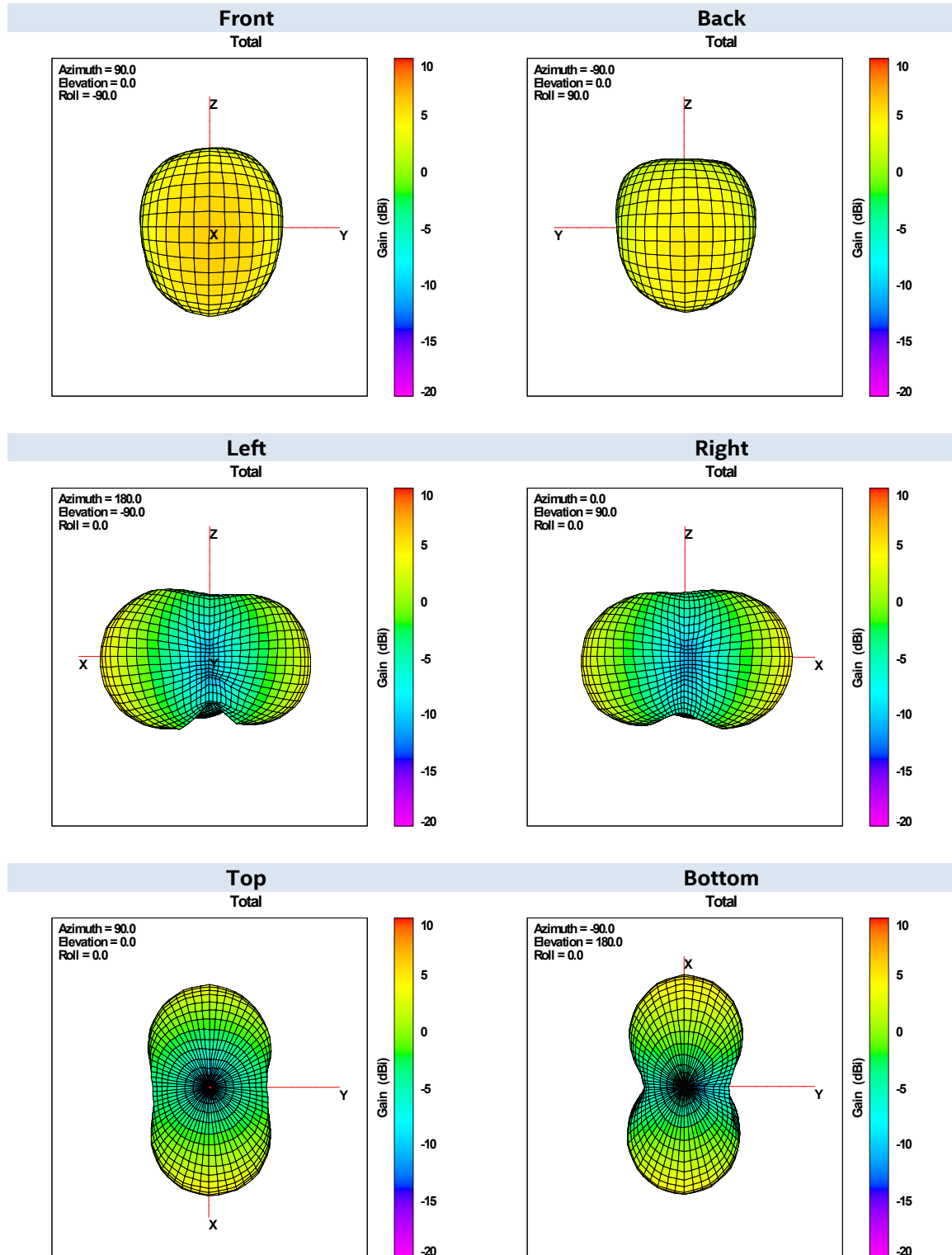
2.2. Pattern @2430MHz

Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
2430	-28.23	6.03	6.03



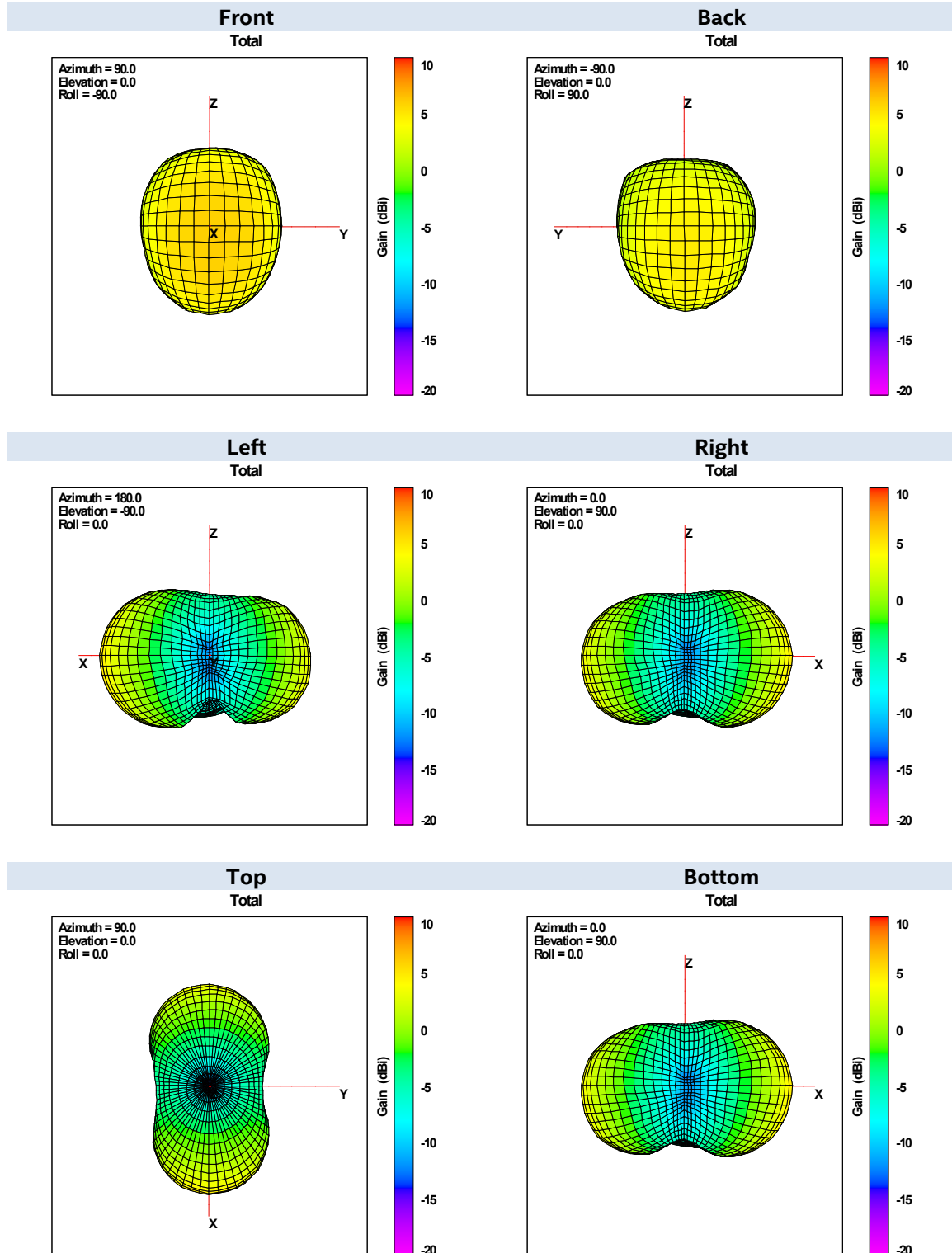
2.3. Pattern @2450MHz

Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
2450	-30.43	6.10	6.11



2.4. Pattern @2470MHz

Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
2470	-27.92	6.18	6.19



2.5. Pattern @2483MHz

Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
2483	-26.93	5.87	5.87

