

WiFi-6G 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-8dBi-Slot-6G	6.2GHz 5925-6425MHz	7.80	8
			6.5GHz 6425-6525MHz	7.32	
			6.6GHz 6525-6875MHz	7.66	
			7GHz 6875-7125MHz	6.96	

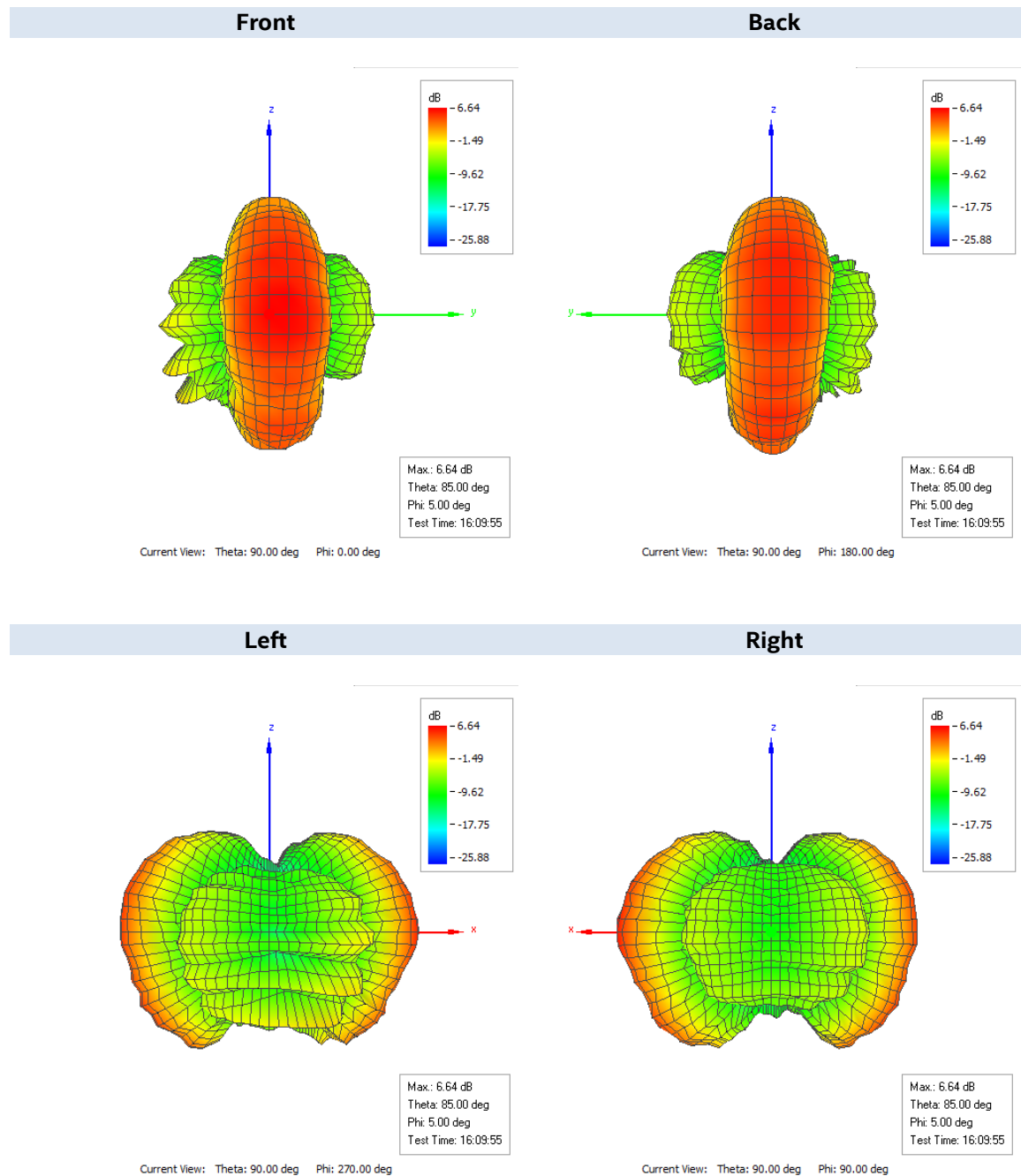
1.2. Antenna Peak Gain Table

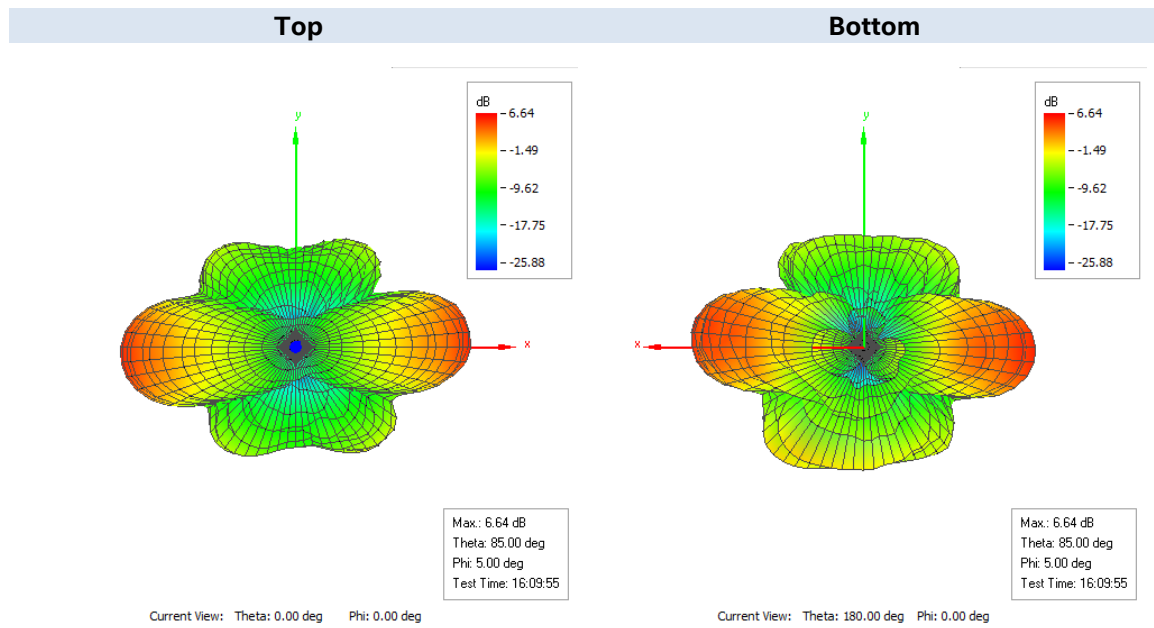
Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
5925	-18.21	6.63	6.64
6425	-8.48	7.70	7.80
6525	-10.52	7.24	7.32
6875	-12.53	7.62	7.66
7125	-15.82	6.94	6.96

2. Antenna Radiation Patterns 5925 - 7200 MHz

2.1. Pattern @5925MHz

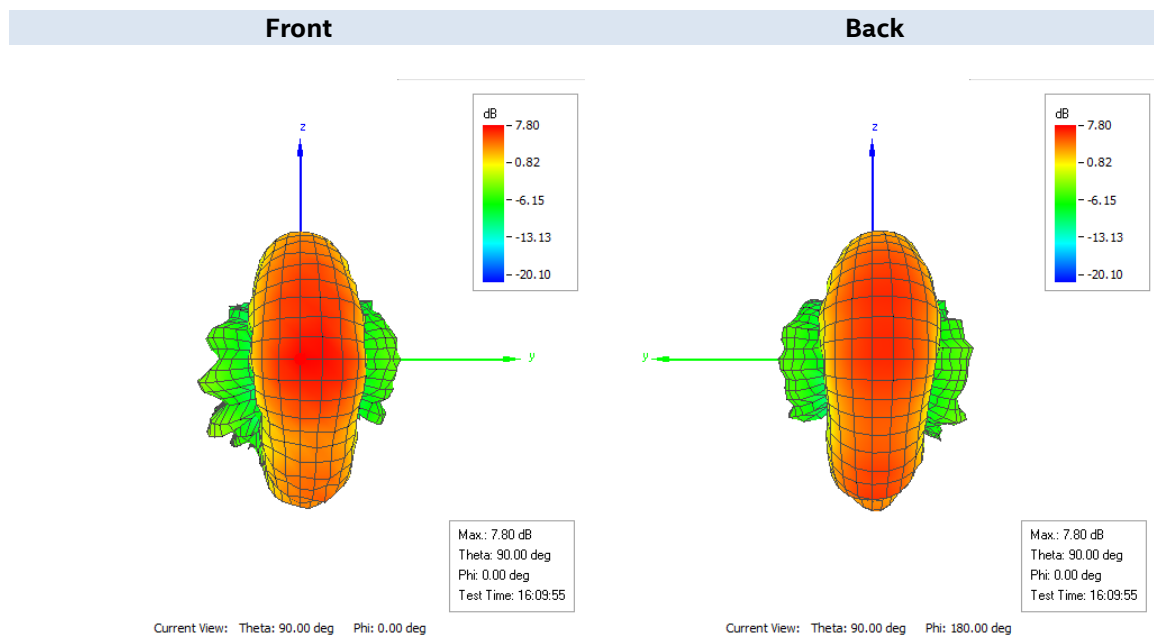
Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
5925	-18.21	6.63	6.64



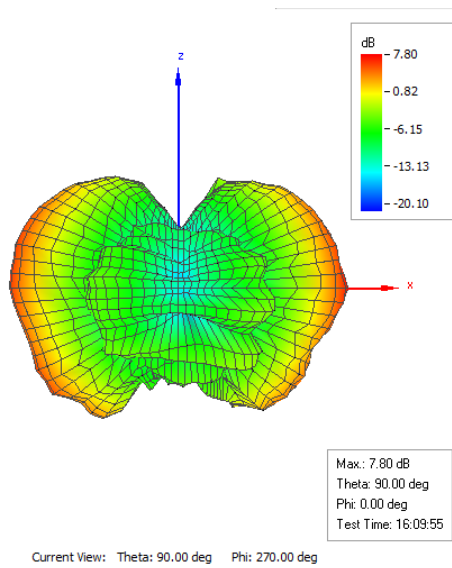


2.2. Pattern @6425MHz

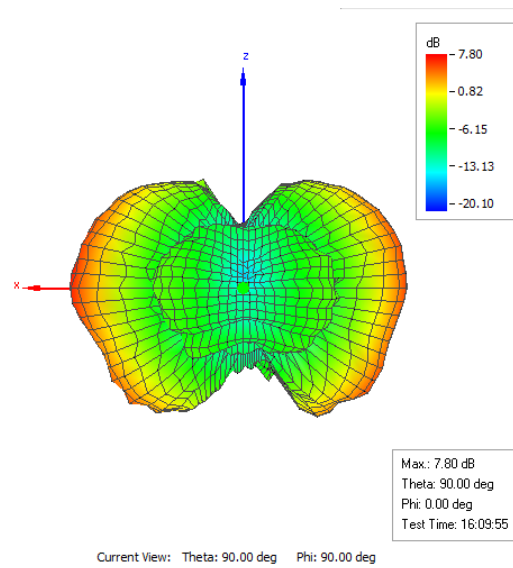
Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
6425	-8.48	7.70	7.80



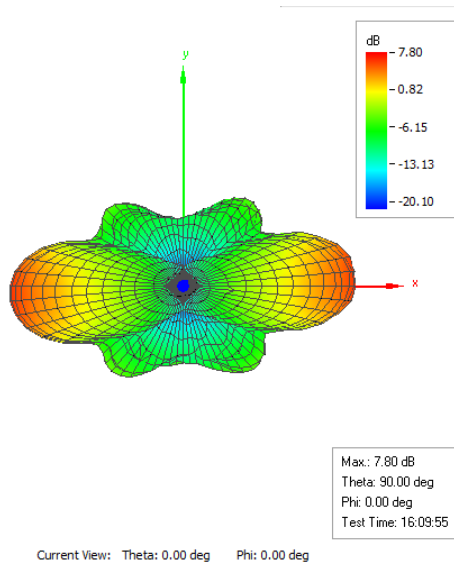
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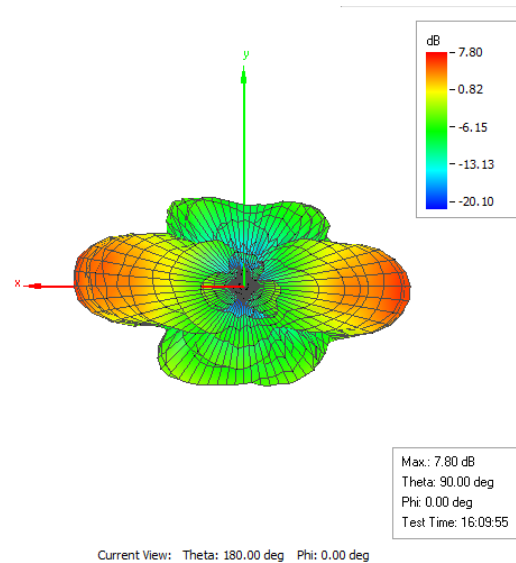
Right



Top

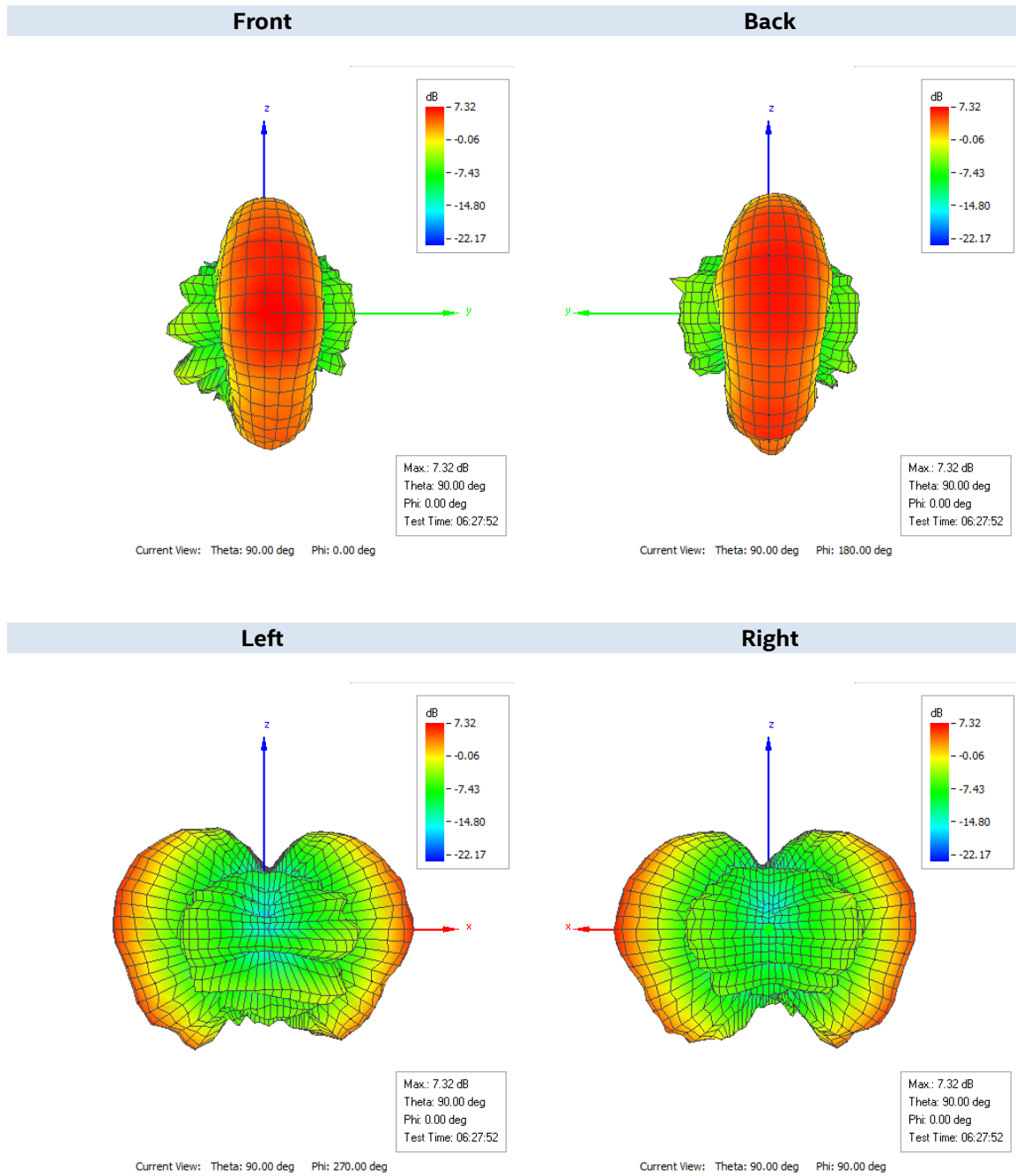


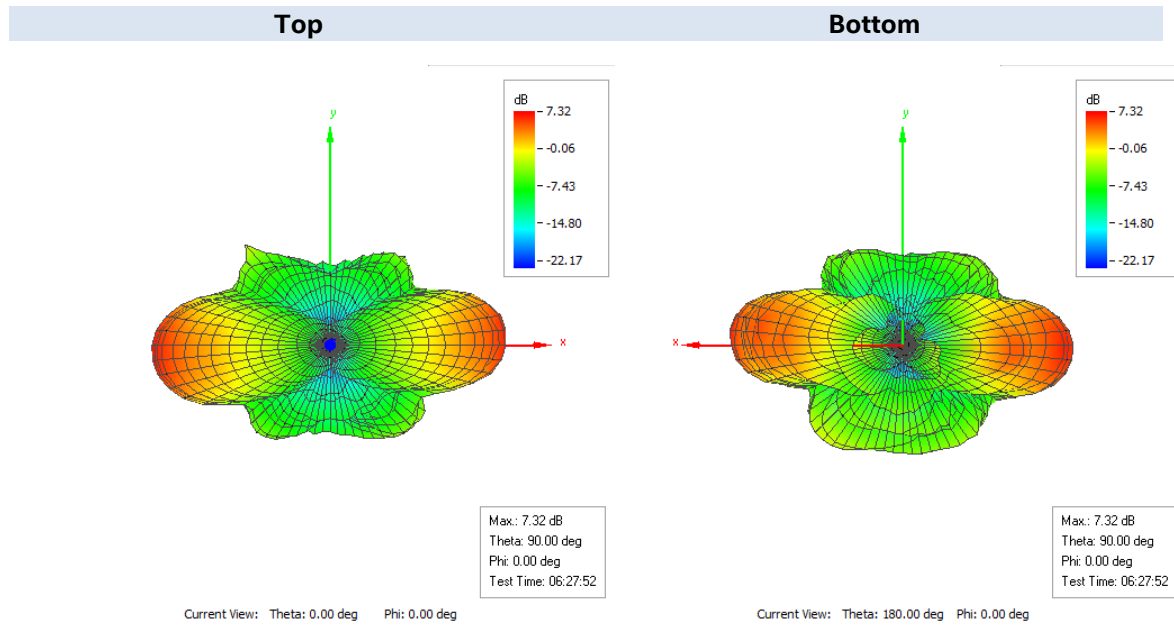
Bottom



2.3. Pattern @6525MHz

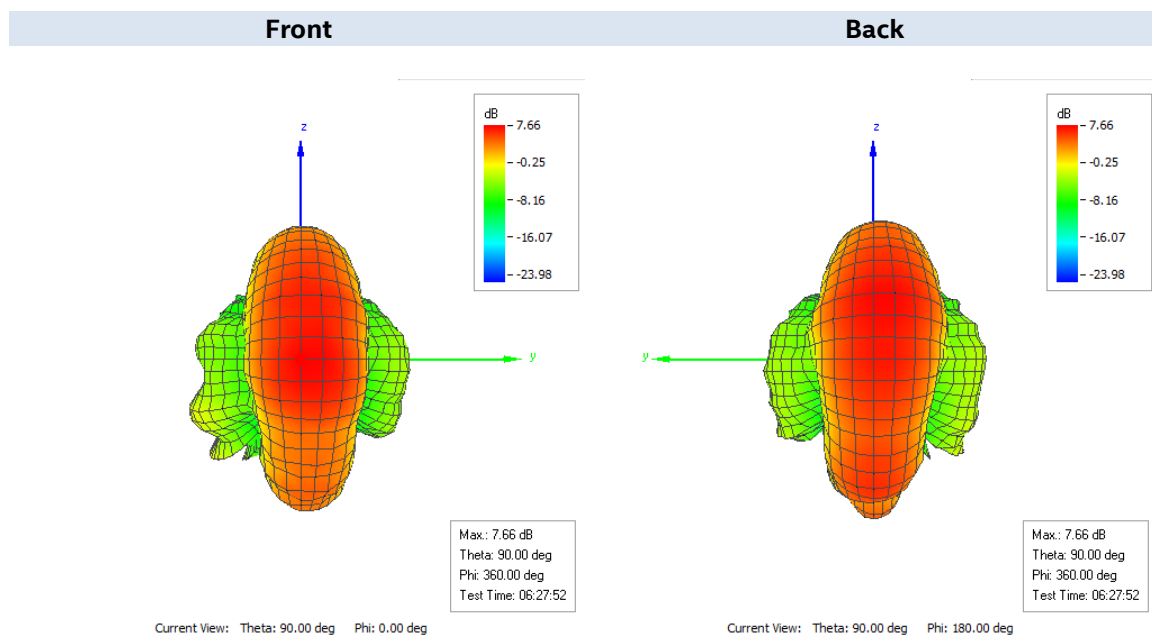
Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
6525	-10.52	7.24	7.32



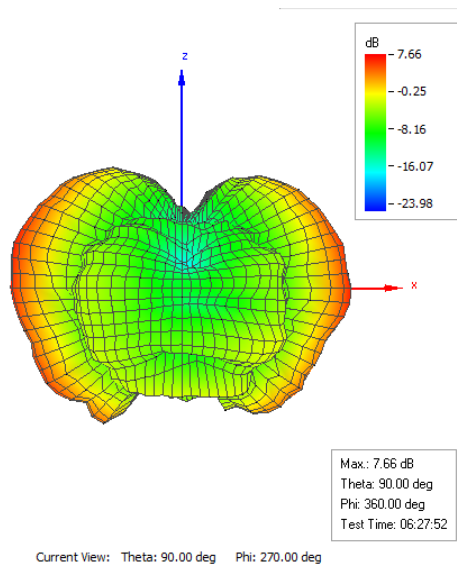


2.4. Pattern @6875MHz

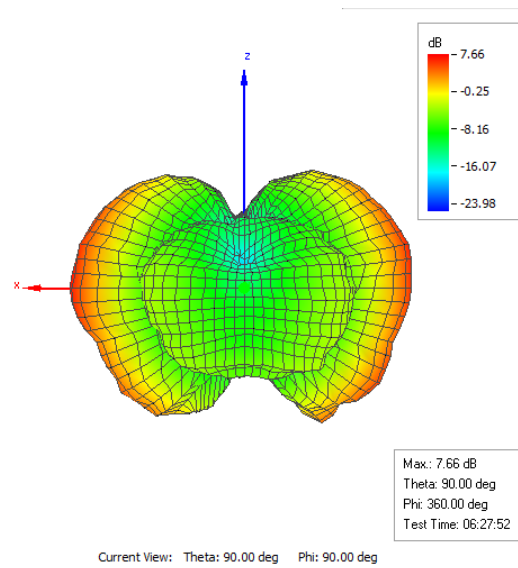
Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
6875	-12.53	7.62	7.66



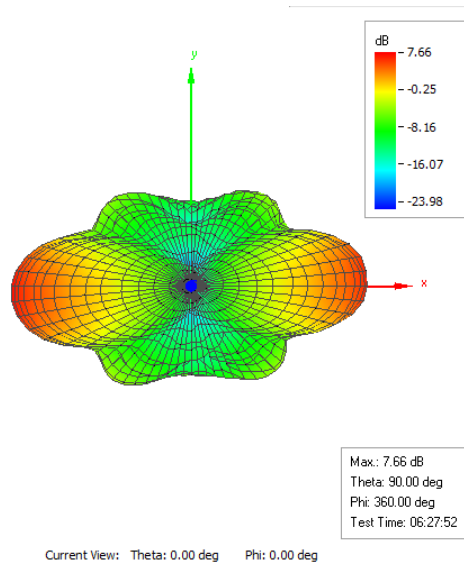
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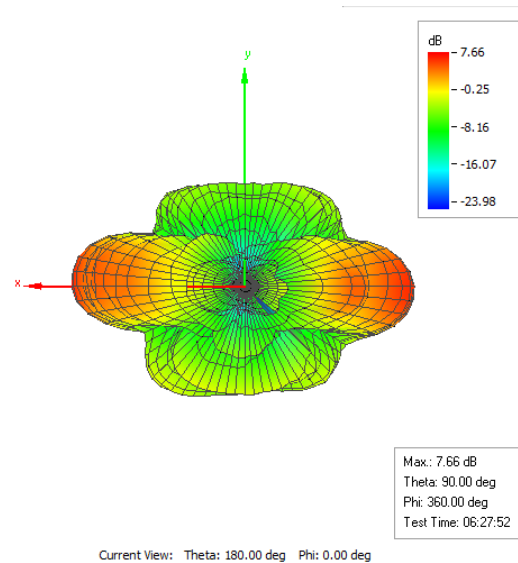
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Top



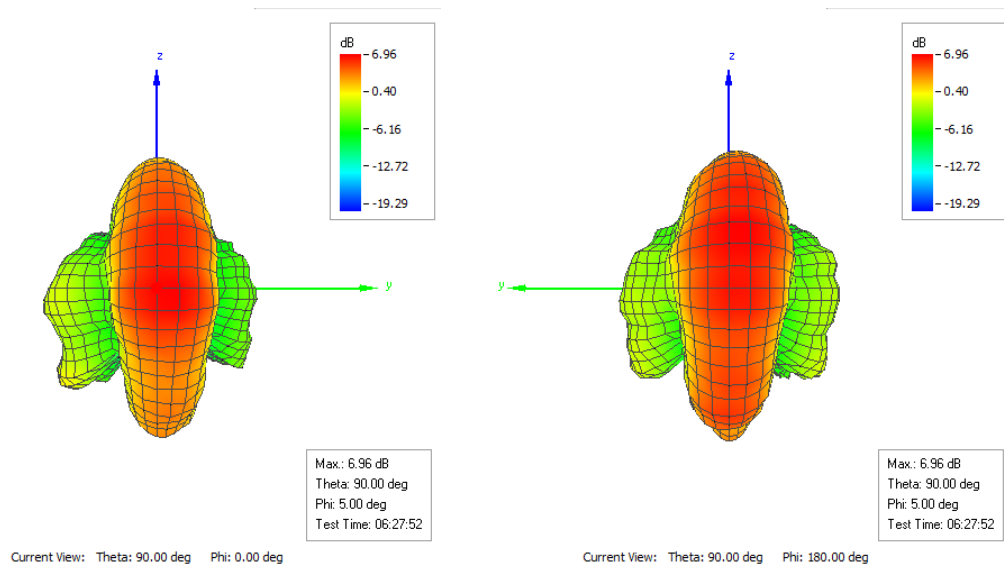
Bottom



2.5. Pattern @7125MHz

Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
7125	-15.82	6.94	6.96

Front Back



Left Right

