

WiFi-5G 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-5G	5.2GHz 5.150–5.250MHz	7.67	8
			5.4GHz 5250-5470MHz	7.81	
			5.6GHz 5470-5725MHz	7.84	
			5.8GHz 5725-5925MHz	8.29	

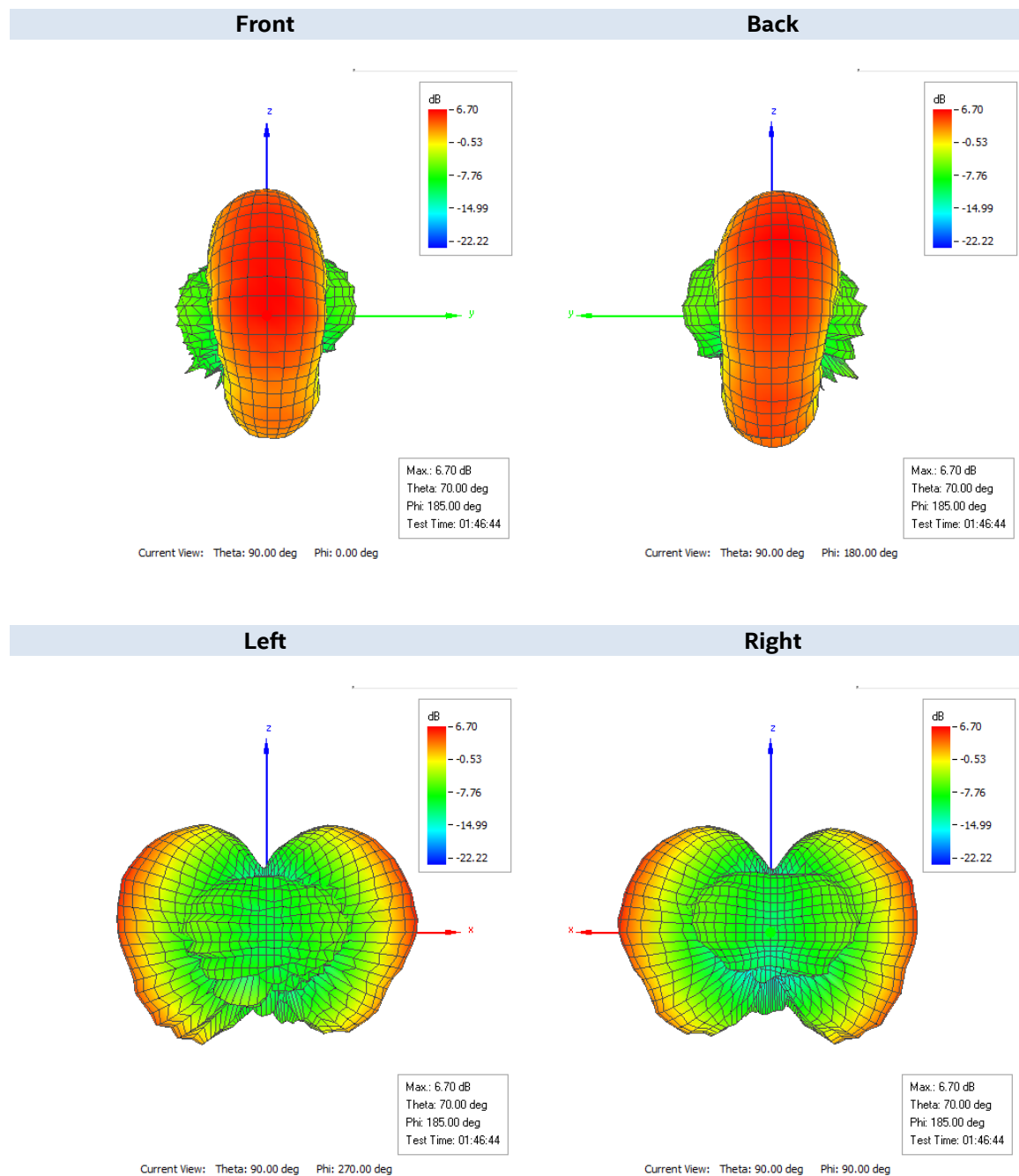
1.2. Antenna Peak Gain Table

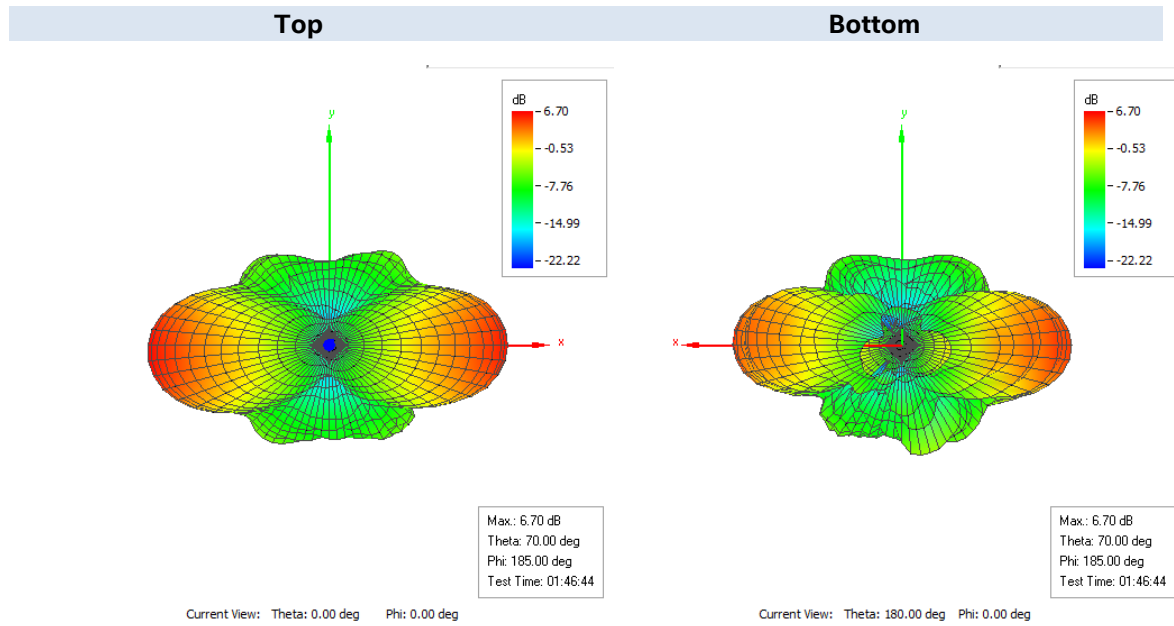
Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
5150	-12.67	6.65	6.70
5250	-12.35	7.62	7.67
5470	-7.26	7.67	7.81
5725	-10.69	7.77	7.84
5850	-16.44	8.27	8.29

2. Antenna Radiation Patterns 5150 - 5925 MHz

2.1. Pattern @5150MHz

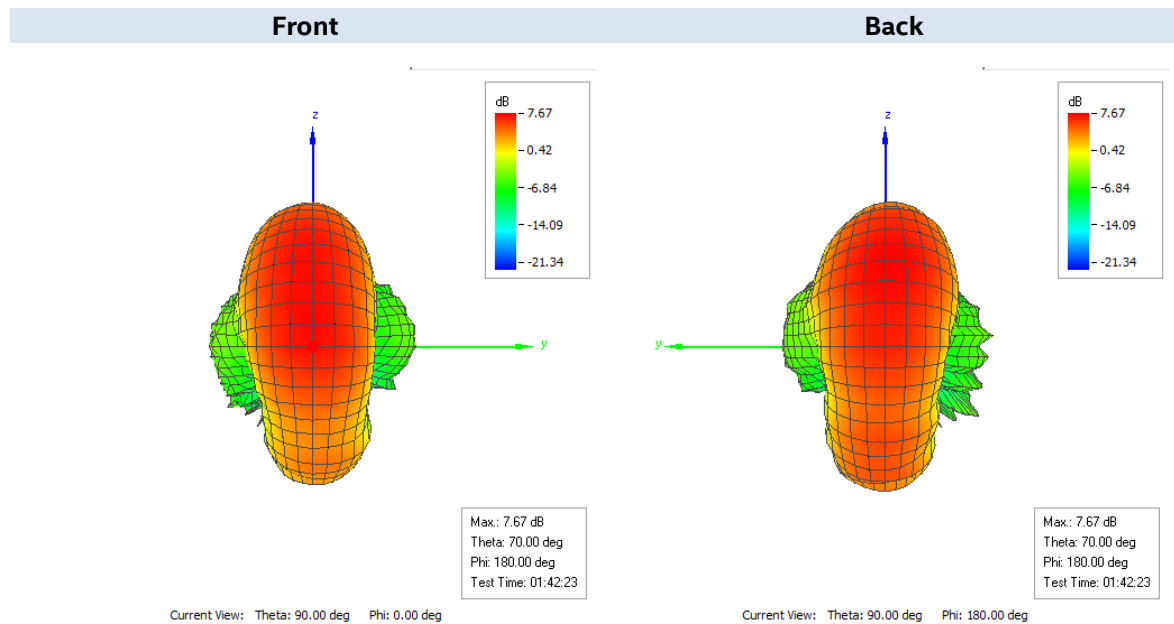
Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
5150	-12.67	6.65	6.70



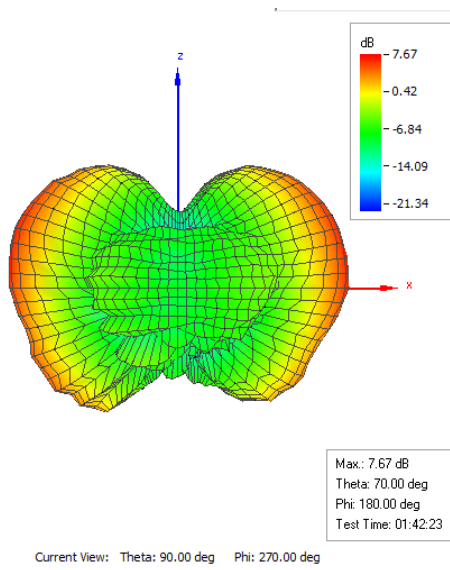


2.2. Pattern @5250MHz

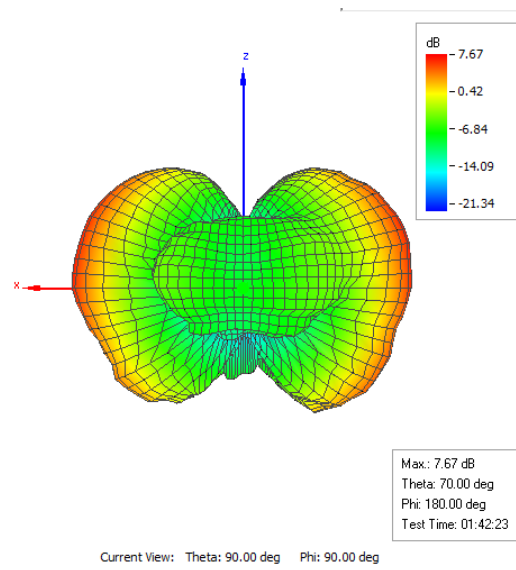
Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
5250	-12.35	7.62	7.67



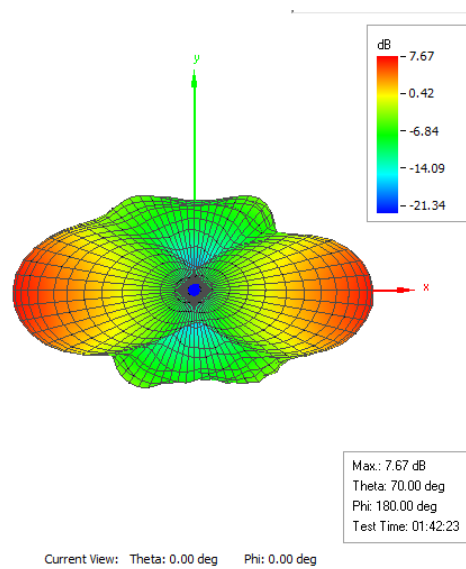
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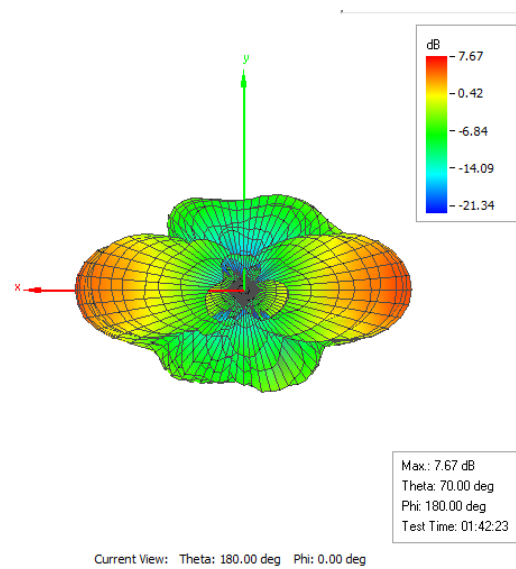
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Top

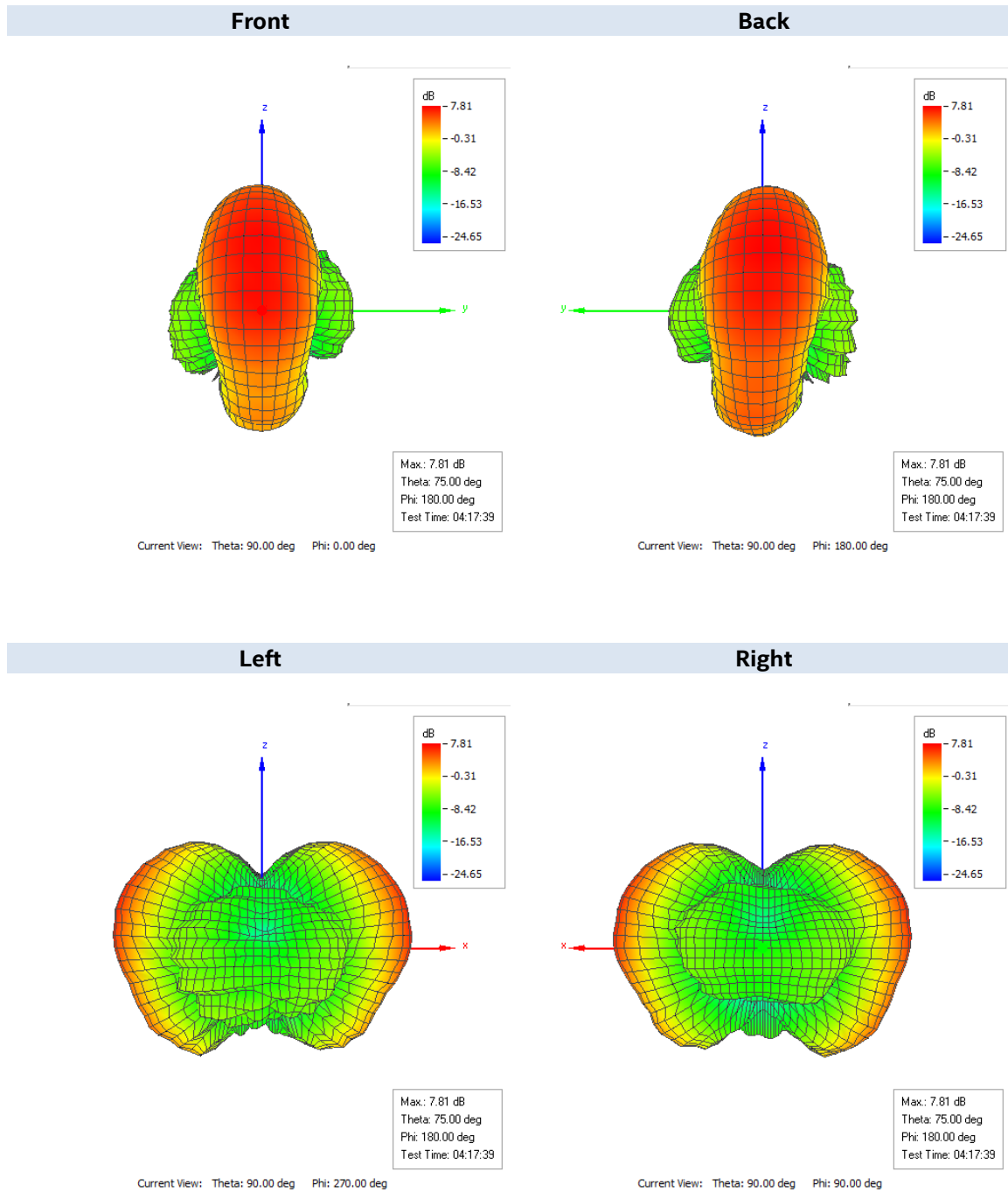


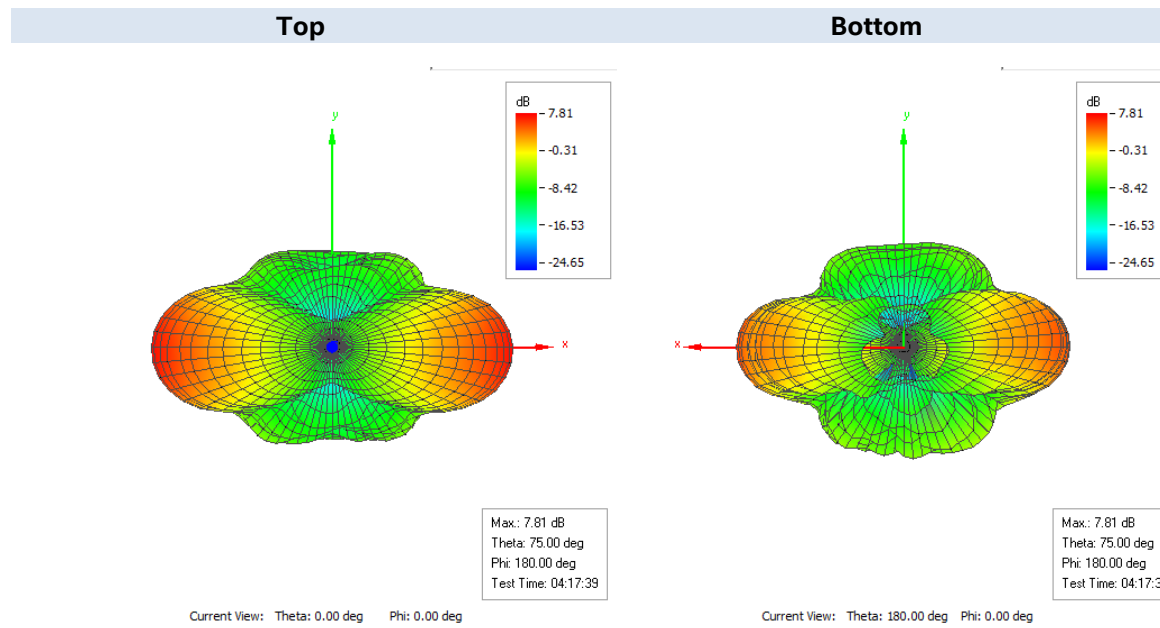
Bottom



2.3. Pattern @5470MHz

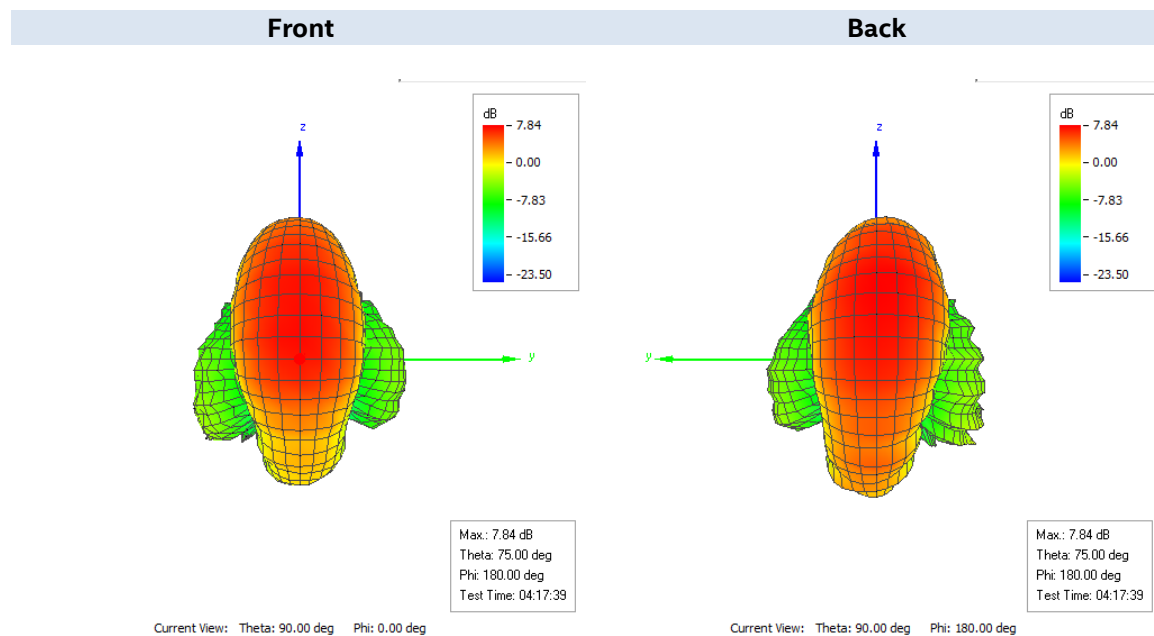
Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
5470	-7.26	7.67	7.81



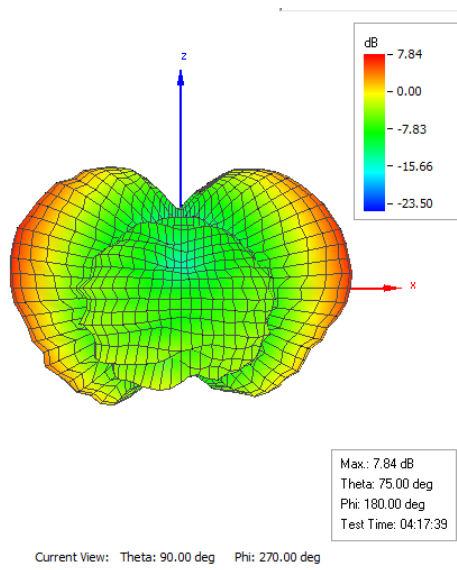


2.4. Pattern @5725MHz

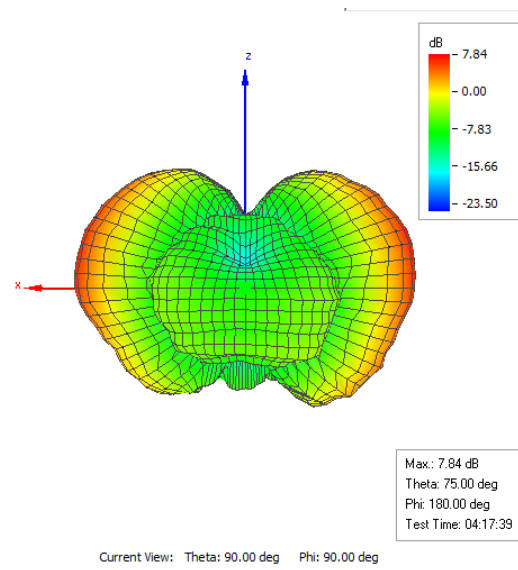
Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
5725	-10.69	7.77	7.84



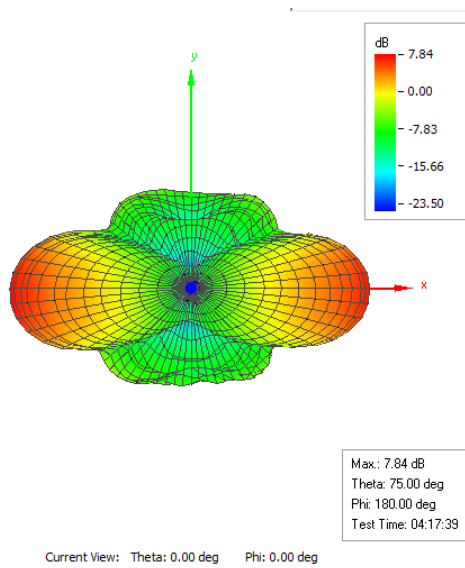
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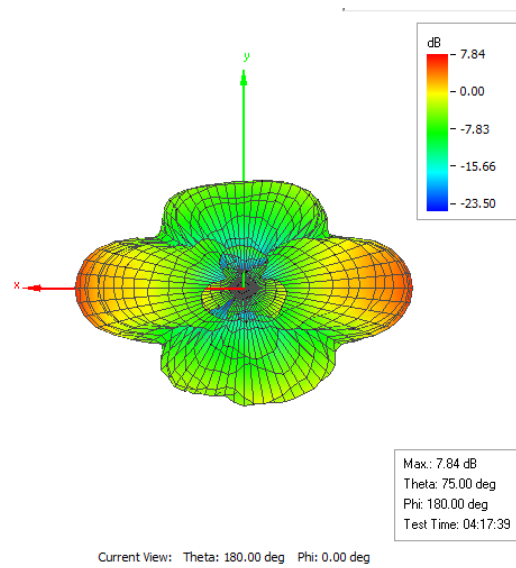
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Top



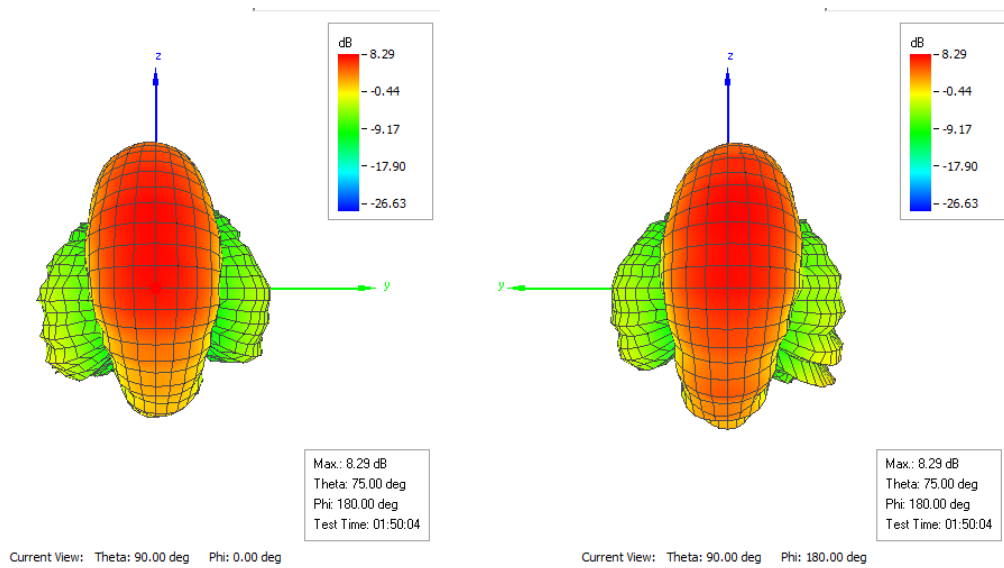
Bottom



2.5. Pattern @5850MHz

Frequency (MHz)	Peak Gain		
	Horizontal (Phi)	Vertical (Theta)	Total
	(dBi)	(dBi)	(dBi)
5850	-16.44	8.27	8.29

Front Back



Left Right

