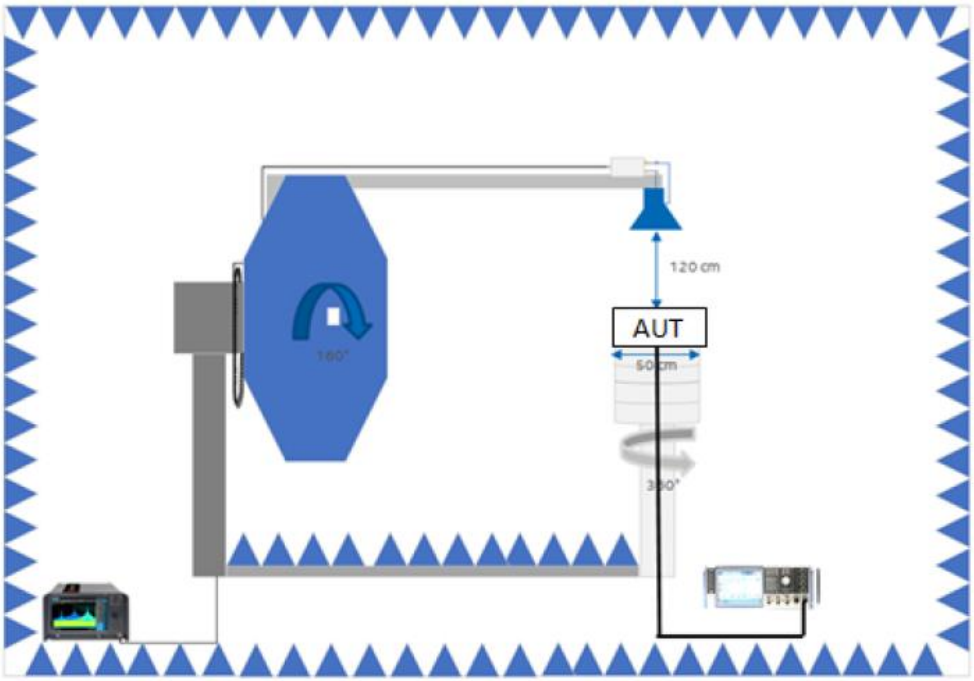
Antenna Datasheet

1. Measurement Method and System

3D spherical measurement using distributed axis system.

2. Test Setup & Equipment List

2.1. Test Setup



2.2. Equipment List Setup

ID#	Device	Type/Model	Serial #	Manufacturer
009-000	Spherical full anechoic chamber	WPTC	P28765-00651-001-PRB	Rohde & Schwarz
009-001	Measurement software [v11.30)	AMS32	100084	Rohde & Schwarz
152-000	Cross-polarized vivaldi antenna	TC-TA85CP	101018	Rohde & Schwarz
345-000	Switch unit + LNA	TC-ELAMP-D	1533.0350.02	Rohde & Schwarz
335-000	Positioner	NCD	173167577	Maturo
143-000	Spectrum analyser	UXA N90408	US57212210	Keysight
130-000	Signal generator	SMB 100A	178217	Rohde & Schwarz

3. Antenna Specification

3.1. Antenna information

Manufacturer	Type	Antenna part number	Frequency range (MHz)	Peak gain (dBi)
Intel WRF Lab	Monopole	ANT24-M855-00	5.150 - 5.250	6.86
			5250 - 5470	7.91
			5470 - 5725	7.73
			5725 - 5895	7.39

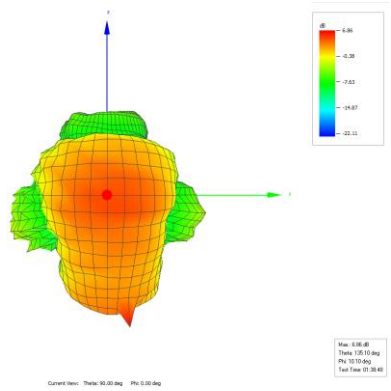
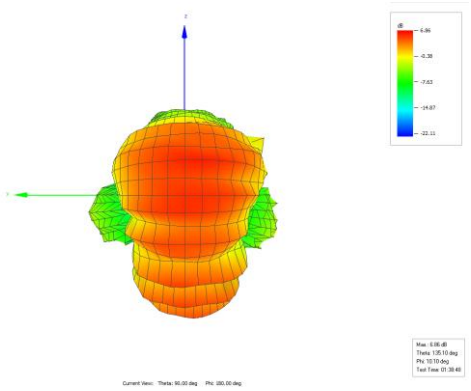
3.2. Antenna Peak Gain Table

Frequency (MHz)	Peak gain (dBi)
5150	6.86
5250	7.91
5470	7.73
5725	7.39

4. Antenna Radiation Patterns

4.1. Pattern @ 5150 MHz

Frequency (MHz)	Peak gain (dBi)
5150	6.86

Front	Back
	
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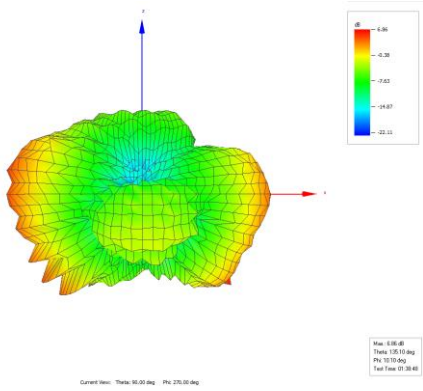	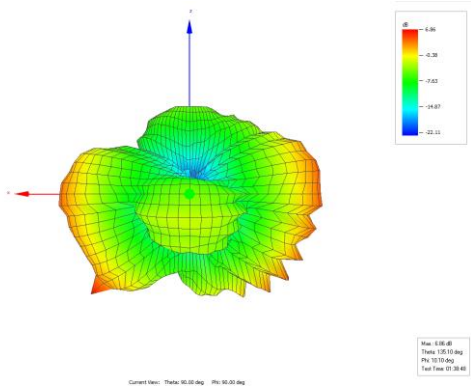
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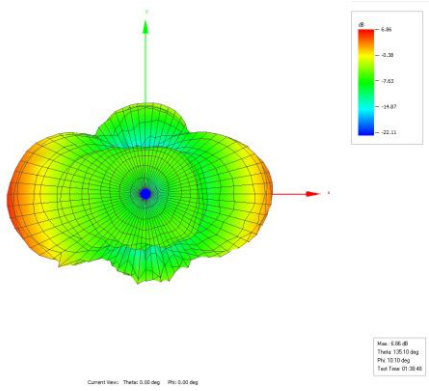
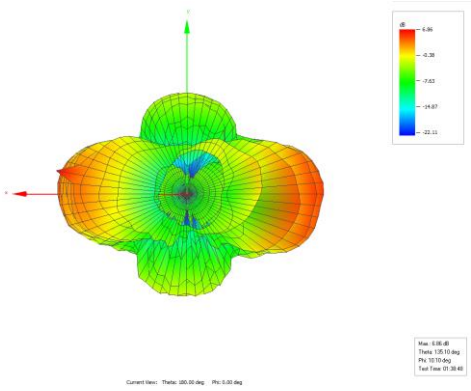
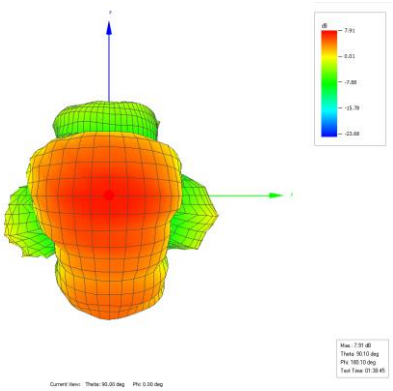
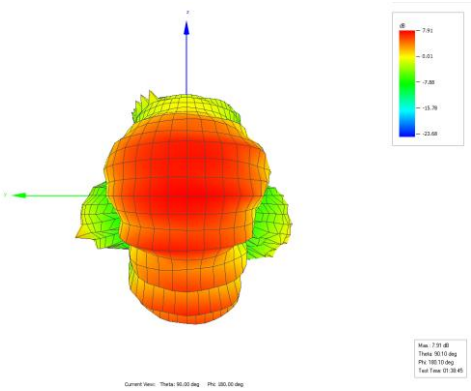
	

4.2. Pattern @ 5250 MHz

Frequency (MHz)	Peak gain (dBi)
5250	7.91

Front	Back
	
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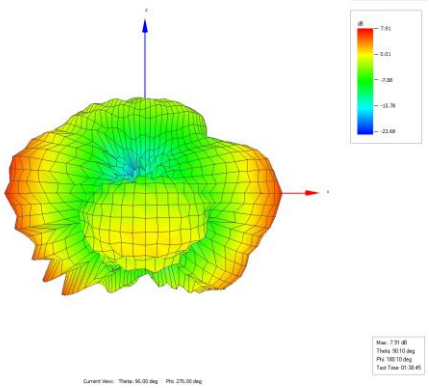	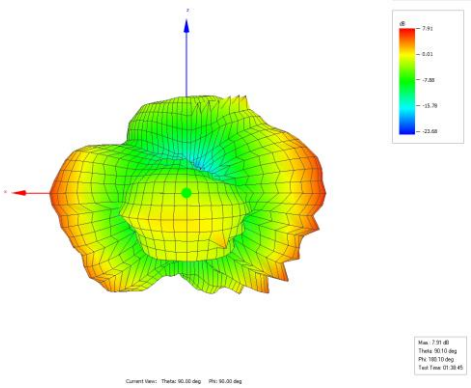
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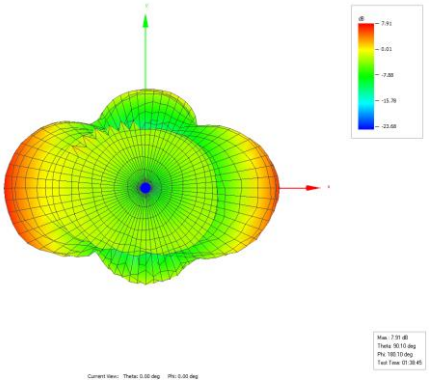
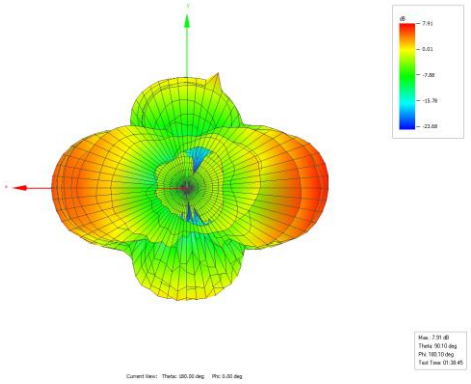
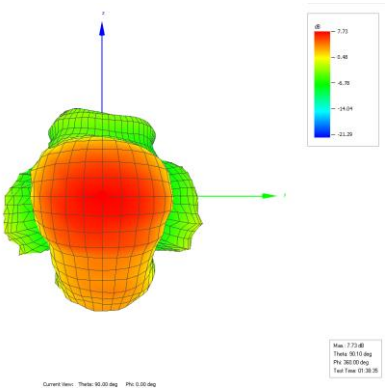
	

4.3. Pattern @ 5470 MHz

Frequency (MHz)	Peak gain (dBi)
5470	7.73

Front



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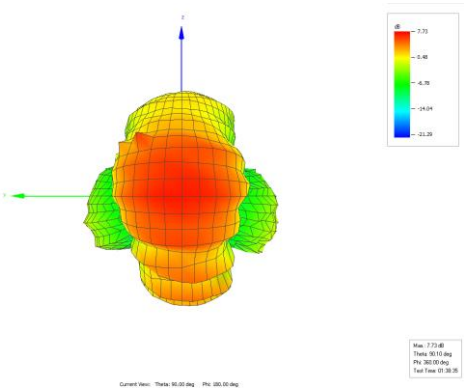

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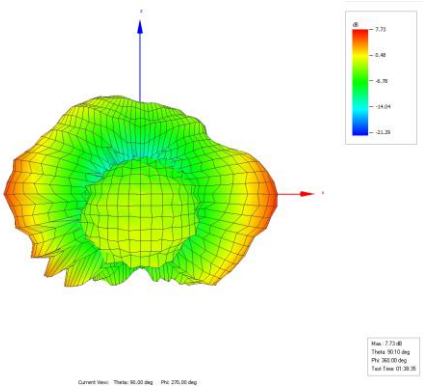

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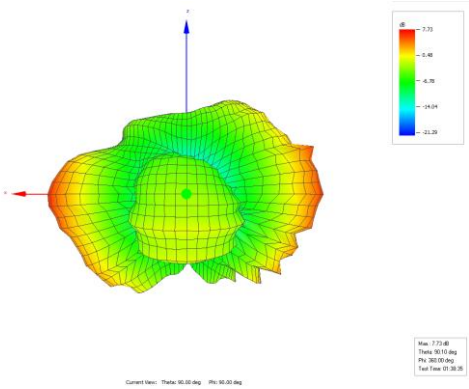

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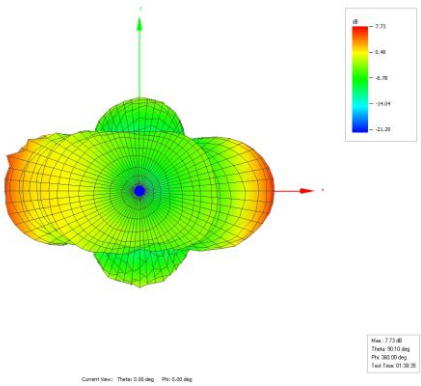

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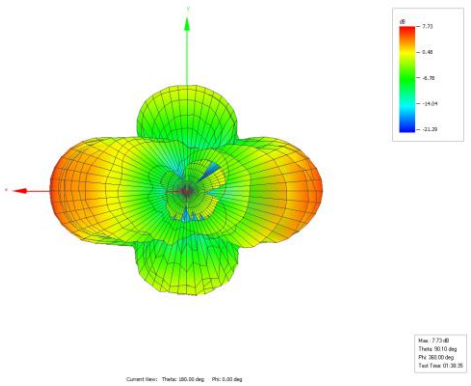
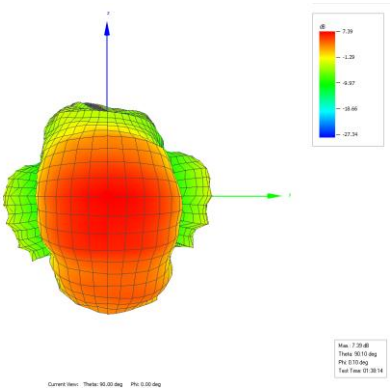
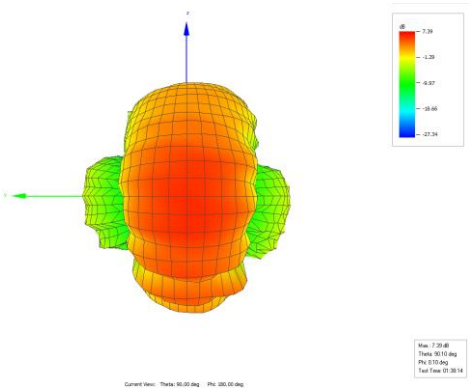


4.4. Pattern @ 5725 MHz

Frequency (MHz)	Peak gain (dBi)
5725	7.39

Front	Back
	
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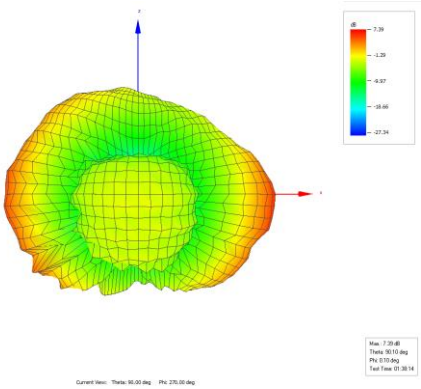	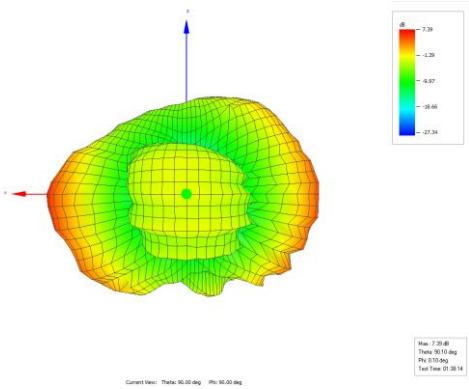
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