

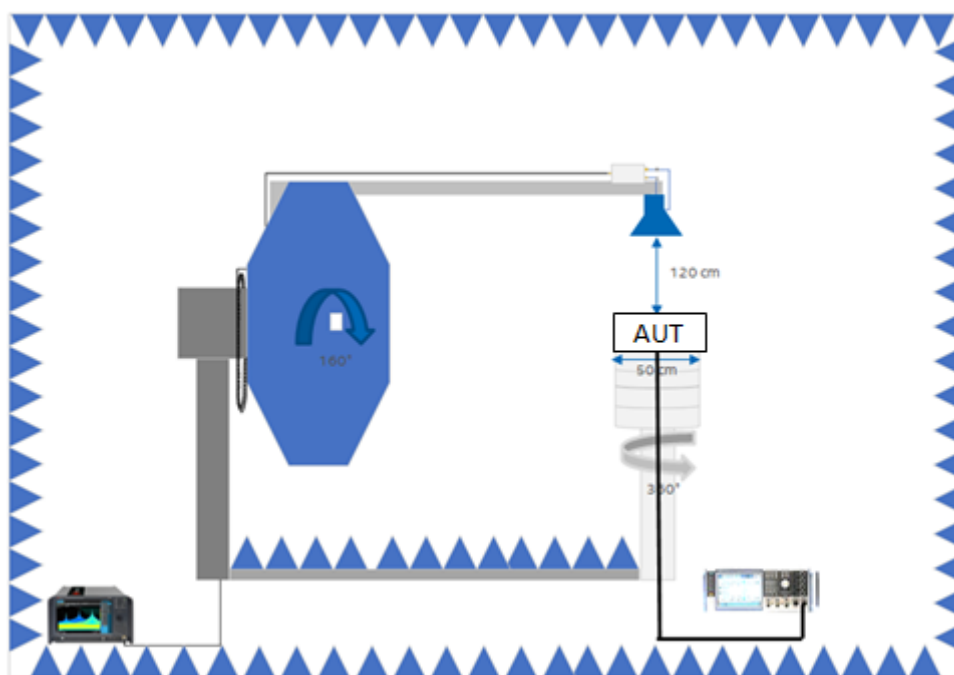
Antenna Datasheet

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

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	1533.6350.02	Rohde & Schwarz
335-000	Positionner	NCD	173167577	Maturo
143-000	Spectrum analyser	UXA N9040B	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	PIFA	ANT24-P865-00	5925 - 6425	7.88
			6425 - 6525	8.10
			6525 - 6875	7.75
			6875 - 7125	8.08

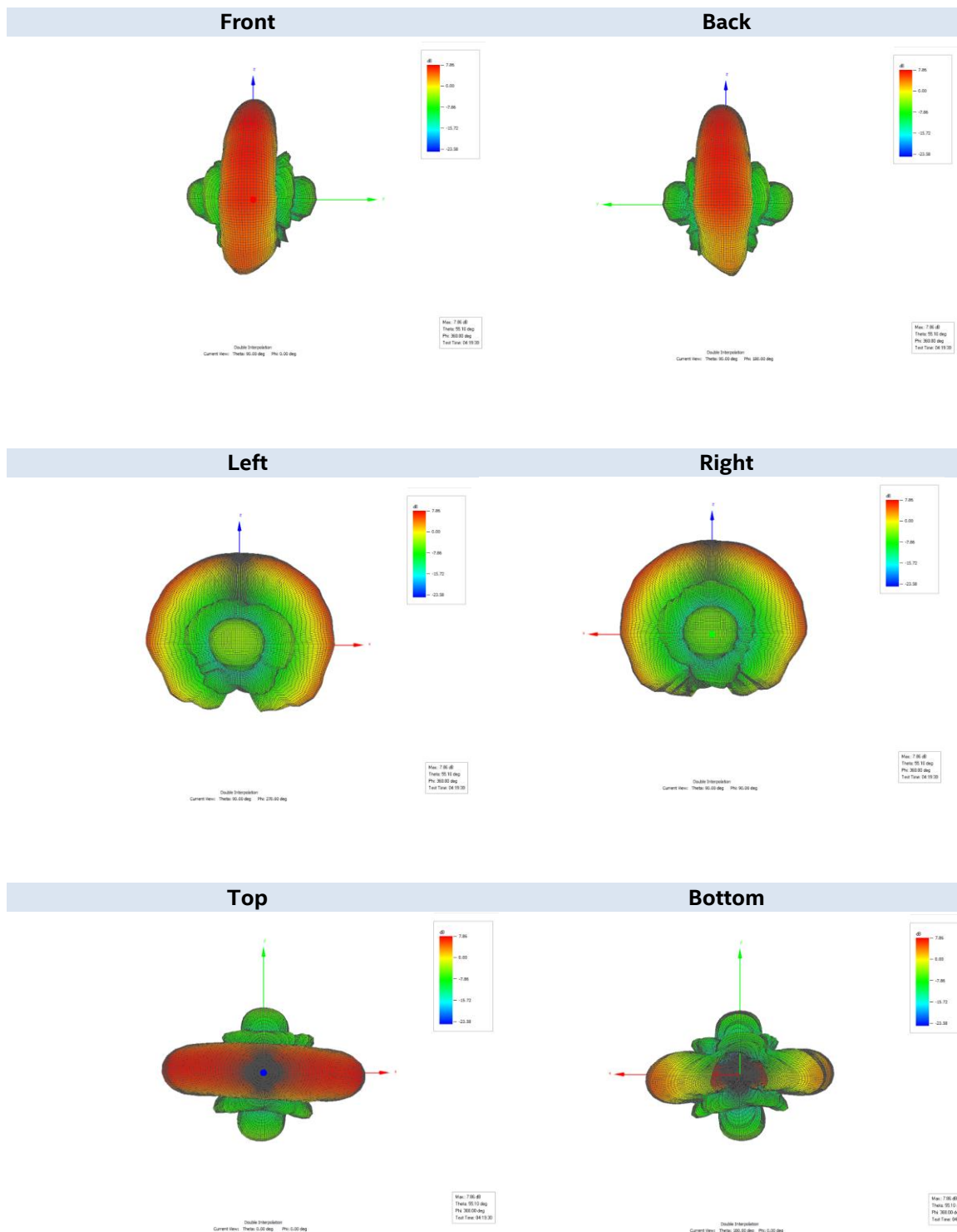
3.2. Antenna Peak Gain Table

Frequency (MHz)	Peak Gain
	(dBi)
5925	7.86
6425	8.10
6525	7.29
6875	7.75
7125	8.08

4. Antenna Radiation Patterns

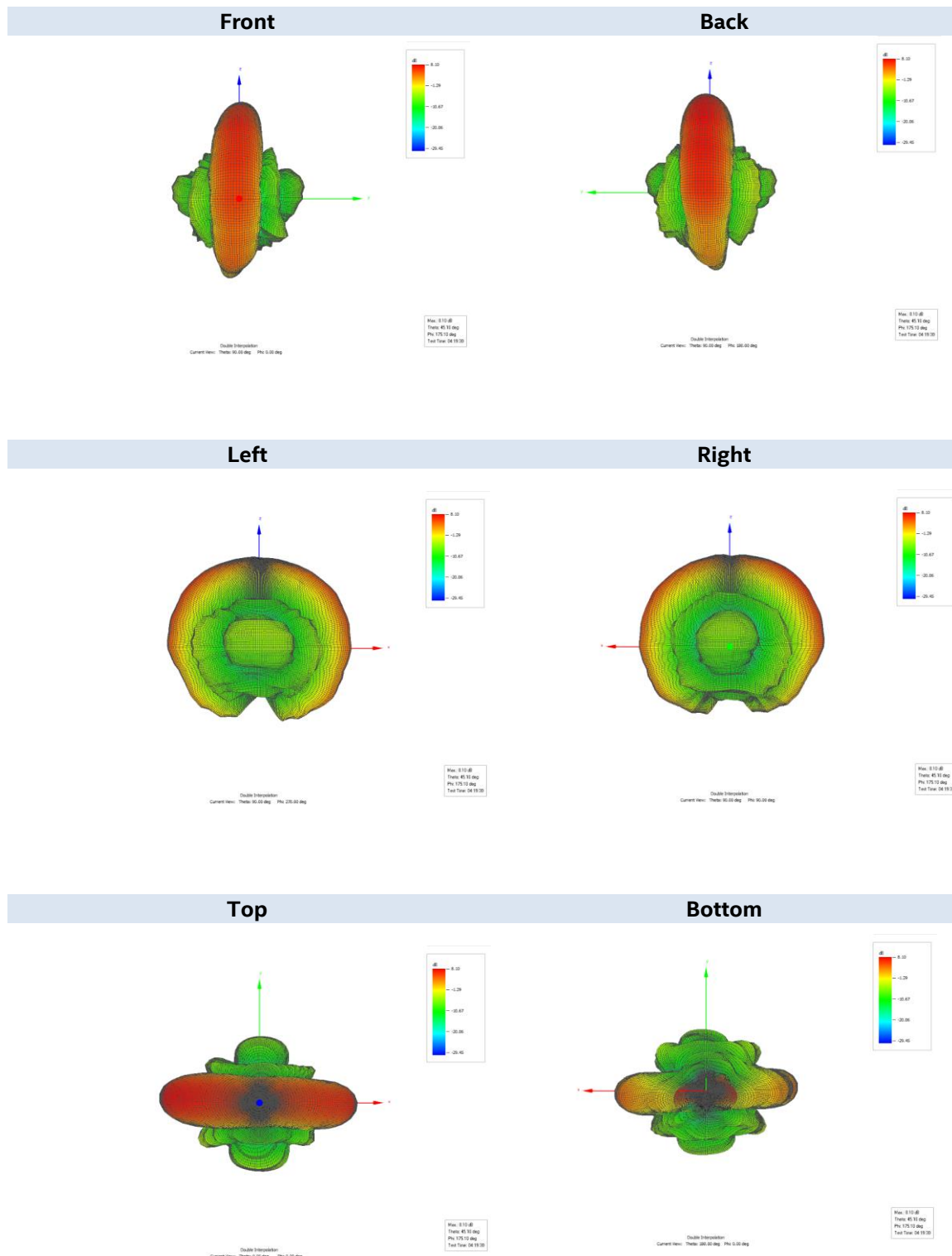
4.1. Pattern @ 5925 MHz

Frequency (MHz)	Peak Gain
	(dBi)
5925	7.86



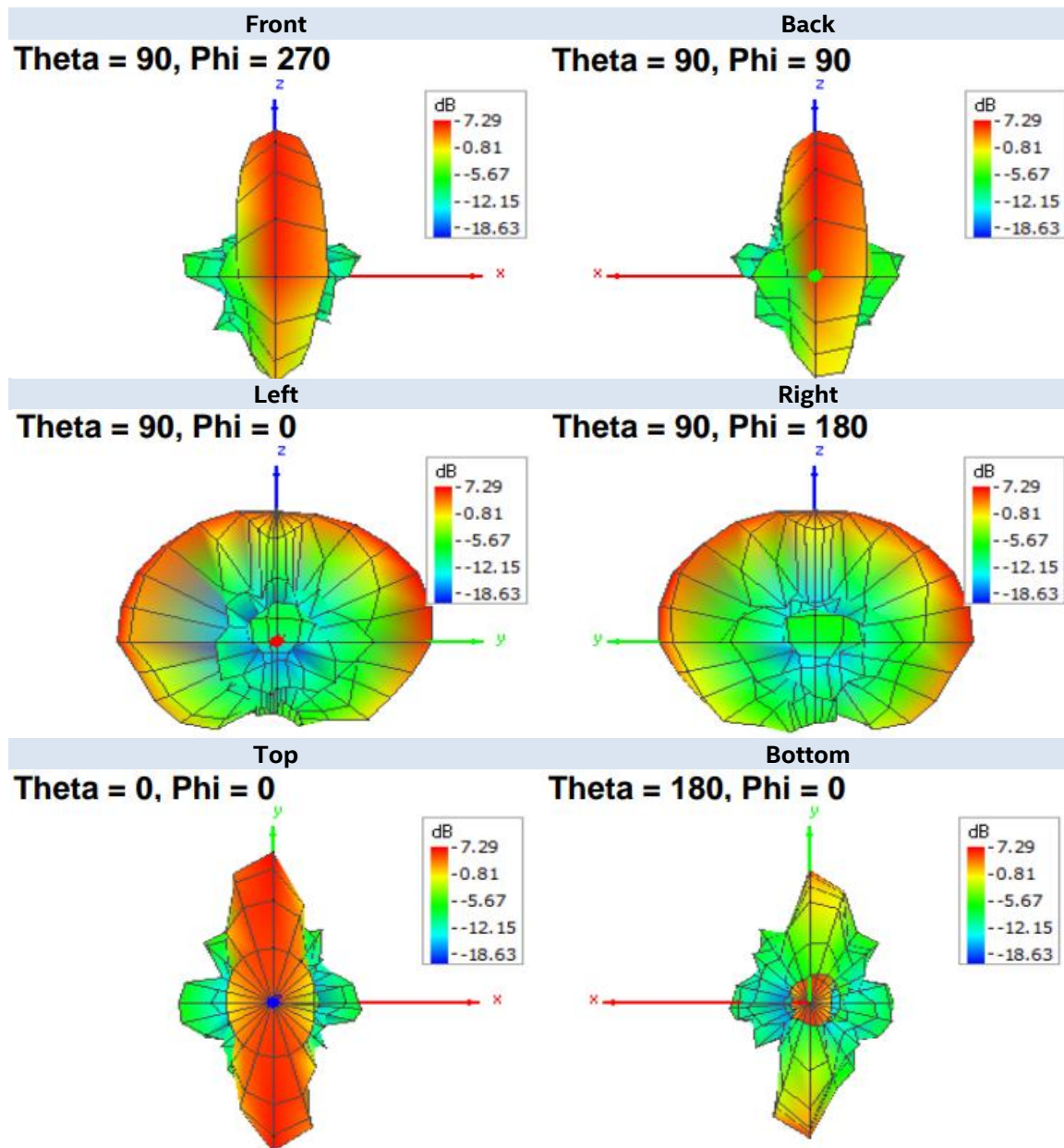
4.2. Pattern @ 6425 MHz

Frequency (MHz)	Peak Gain
	(dBi)
6425	8.10



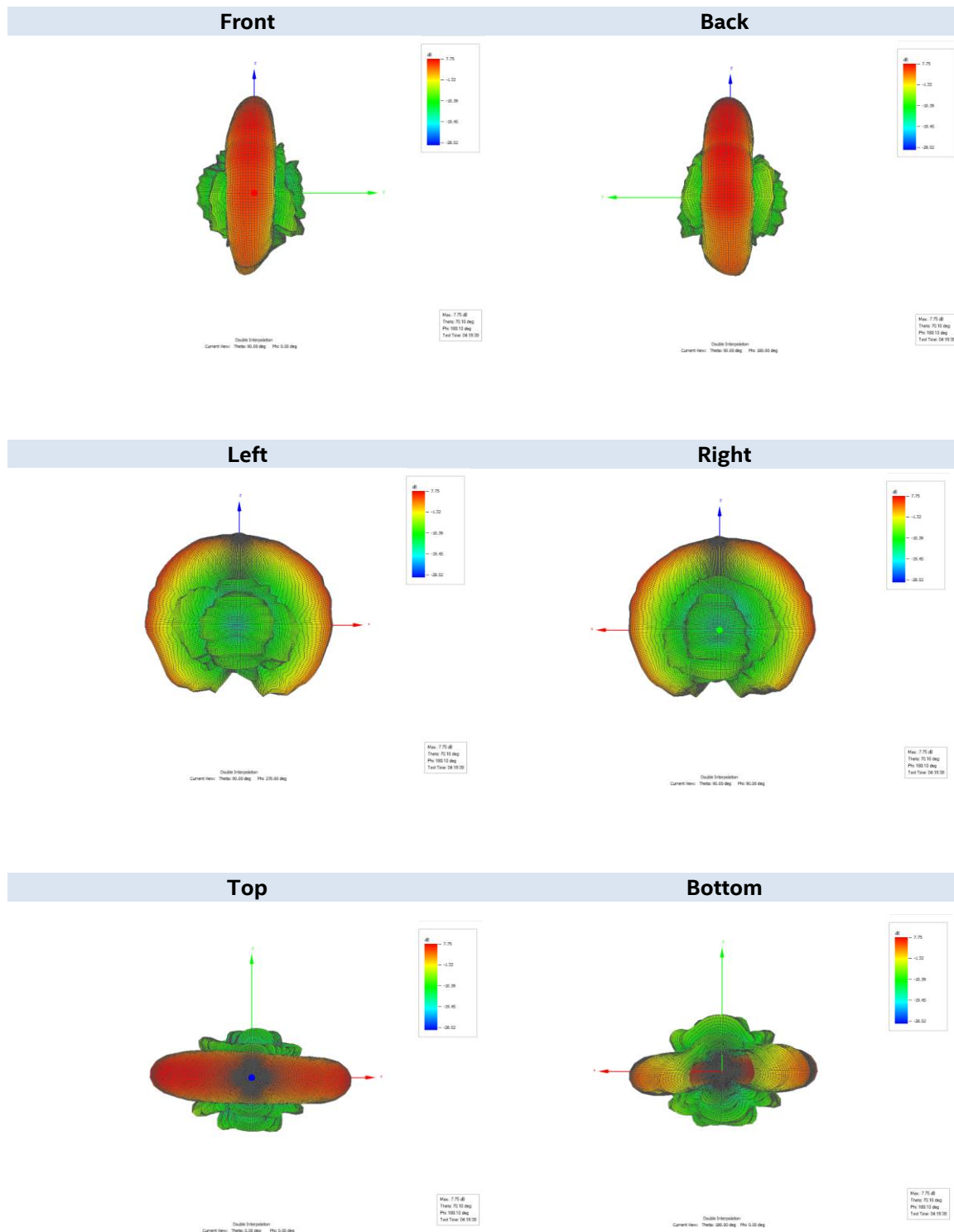
4.1. Pattern @ 6525 MHz

Frequency (MHz)	Peak Gain
	(dBi)
6525	7.29



4.2. Pattern @ 6875 MHz

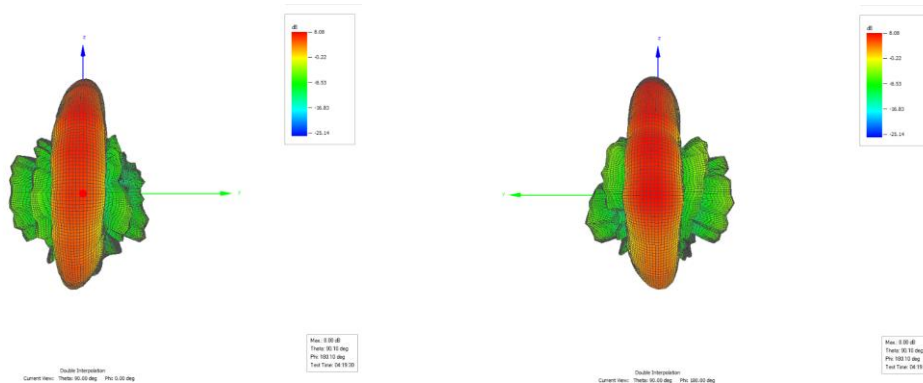
Frequency (MHz)	Peak Gain
	(dBi)
6875	7.75



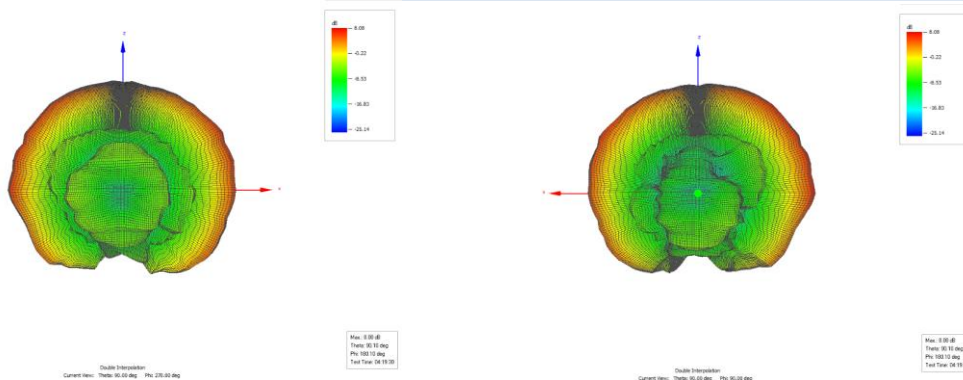
4.3. Pattern @ 7125 MHz

Frequency (MHz)	Peak Gain
	(dBi)
7125	8.08

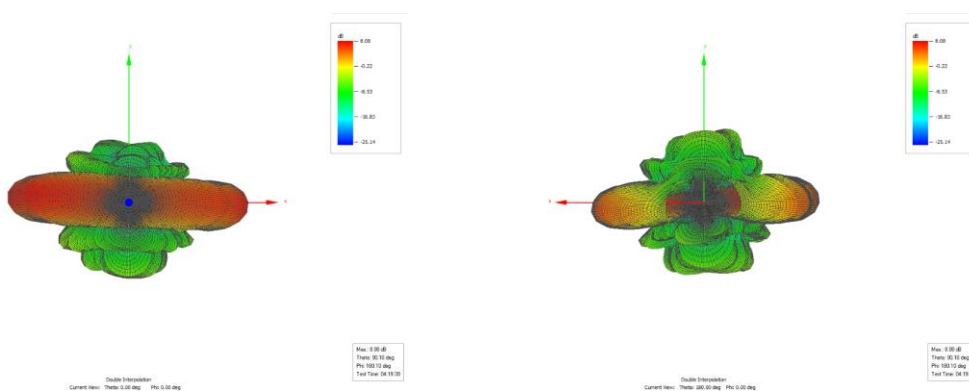
Front **Back**



Left **Right**



Top **Bottom**



5. VSWR

