

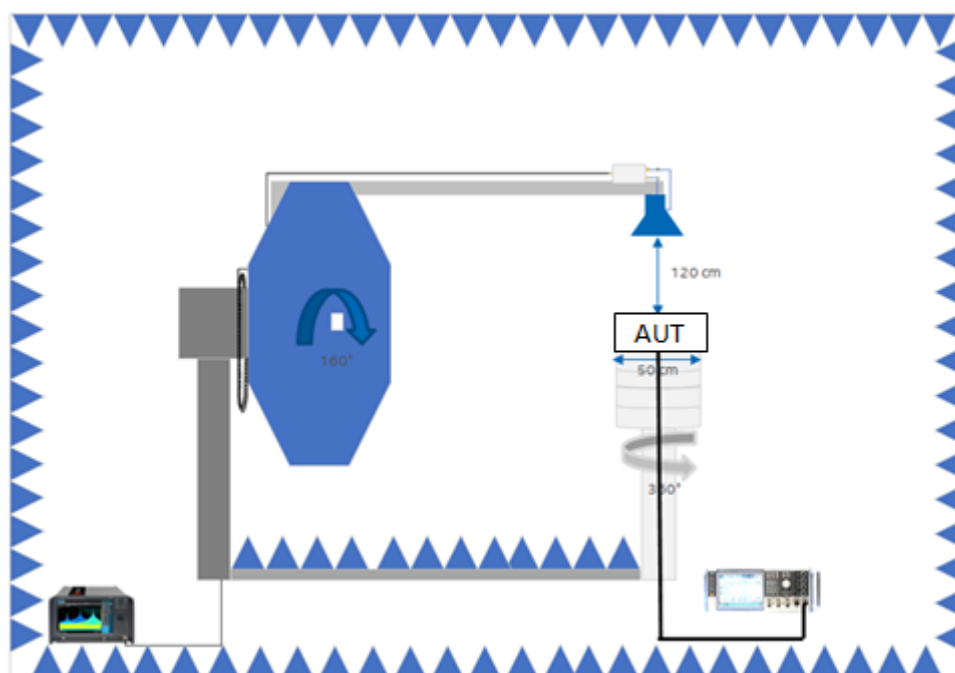
# Antenna Datasheet

## 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-P855-00	5150 - 5250	8.00
			5250 - 5350	8.07
			5470 - 5895	7.44

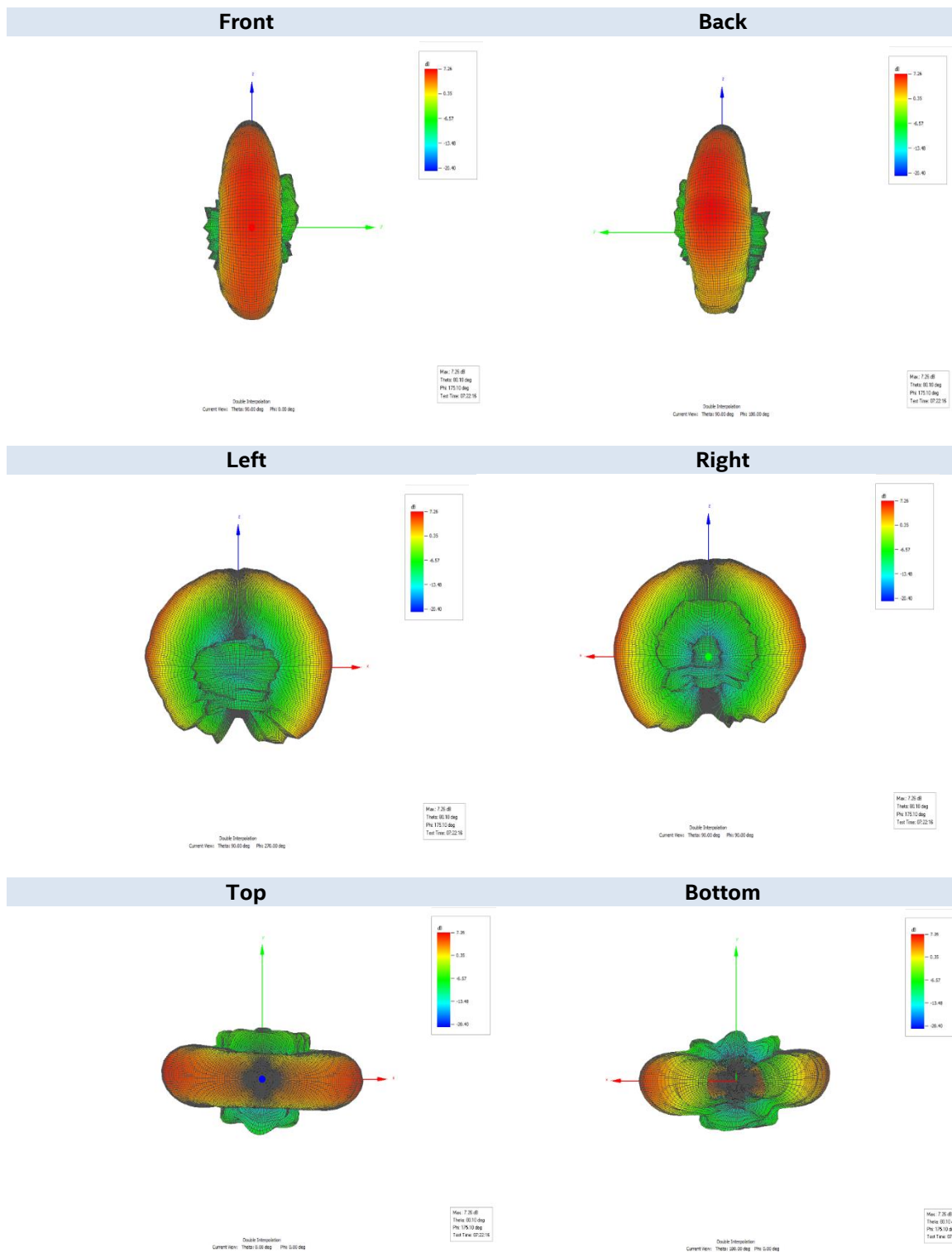
#### 3.2. Antenna Peak Gain Table

Frequency (MHz)	Peak Gain
	(dBi)
5150	7.26
5175	8.00
5350	8.07
5725	7.44

## 4. Antenna Radiation Patterns

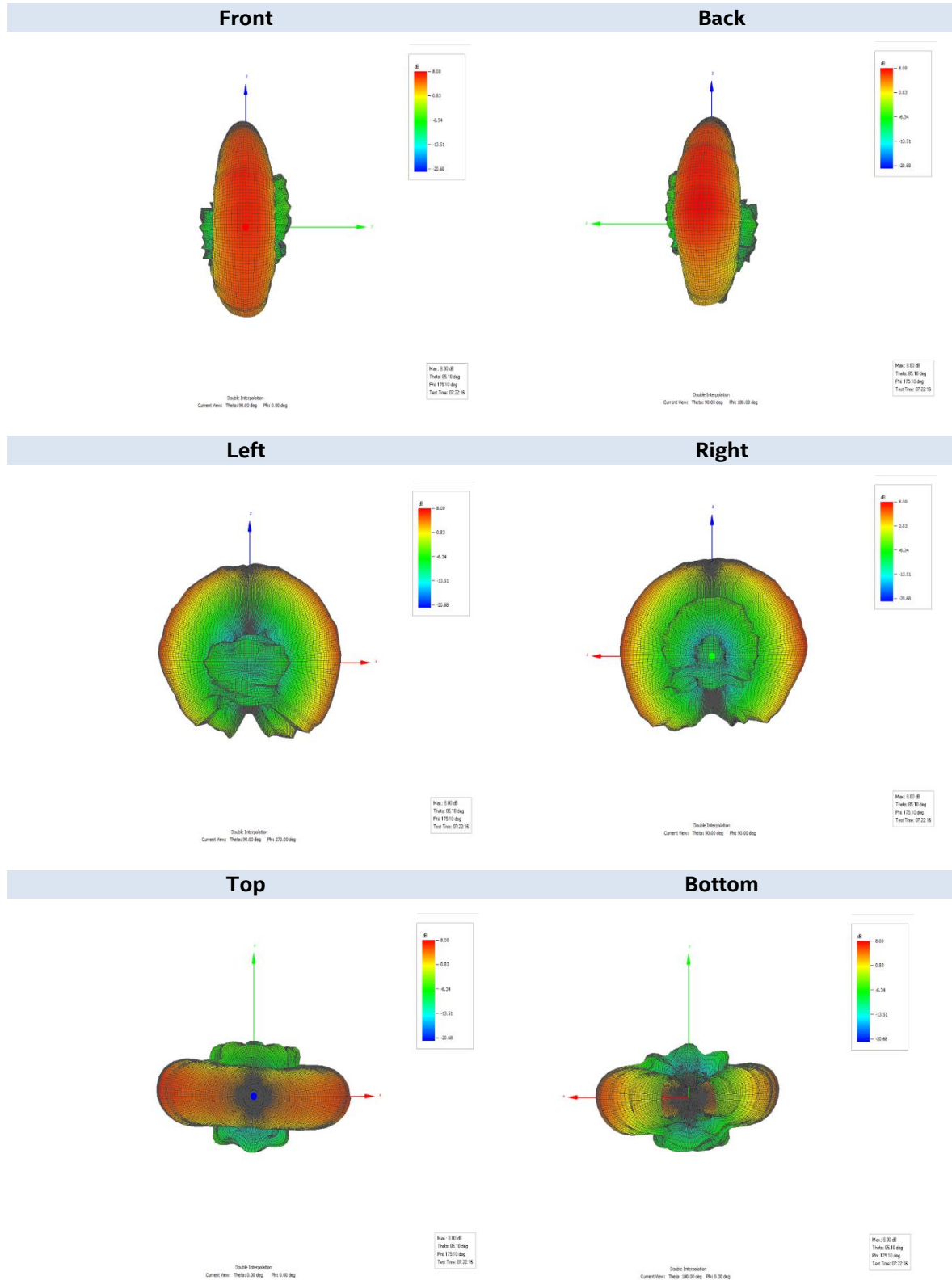
### 4.1. Pattern @ 5150 MHz

Frequency (MHz)	Peak Gain
	(dBi)
5150	7.26



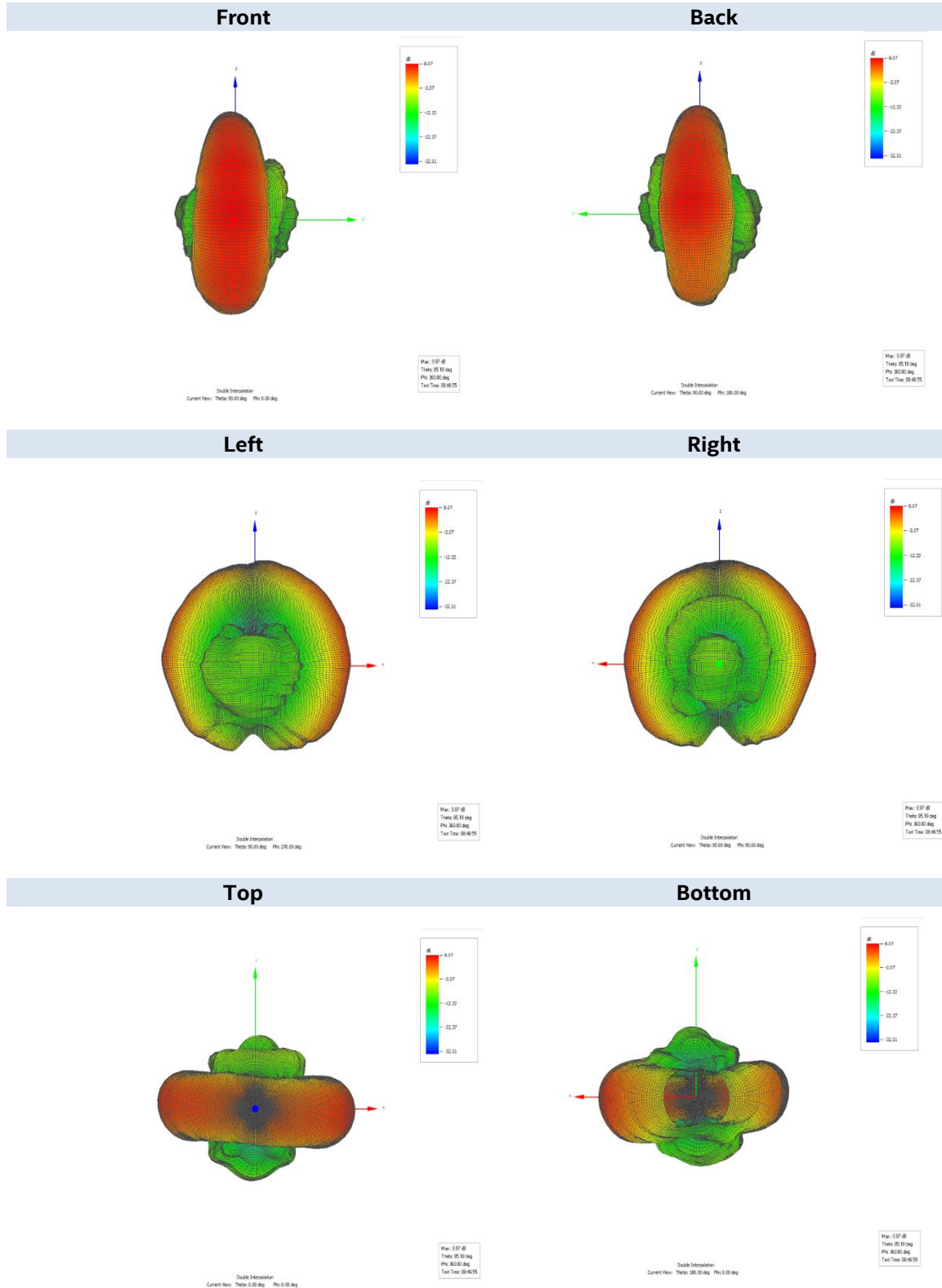
### 4.2. Pattern @ 5175 MHz

Frequency (MHz)	Peak Gain
	(dBi)
5175	8.00



### 4.3. Pattern @ 5350 MHz

Frequency (MHz)	Peak Gain
	(dBi)
5350	8.07



#### 4.4. Pattern @ 5725 MHz

Frequency (MHz)	Peak Gain
	(dBi)
5725	7.44

