



ATD7352

Dipole Antenna 3dBi 2.4GHz/5GHz/6GHz

Technical Specifications

System Information

Electrical Properties

Connector Type

Recommended Operating Conditions

Antenna Material

Antenna Dimension

Antenna Gain

Antenna 2.4G 3D Gain pattern

Antenna 5G 3D Gain pattern

Return Loss & VSWR & Smith

System Information

Model Name: ATD7352

Description: tri-band 2.4GHz/5GHz/6GHz dipole 3dBi antenna

Electrical Properties

Frequency:

2.4GHz ~ 2.5GHz

5.15GHz ~ 5.85GHz

5.925GHz ~ 7.125GHz

Impedance: 50Ω

V.S.W.R.:

2.4GHz ~ 2.5GHz ≤ 2.0

5.15GHz ~ 5.85GHz ≤ 2.5

5.925GHz ~ 7.125GH ≤ 2.5

Connector Type

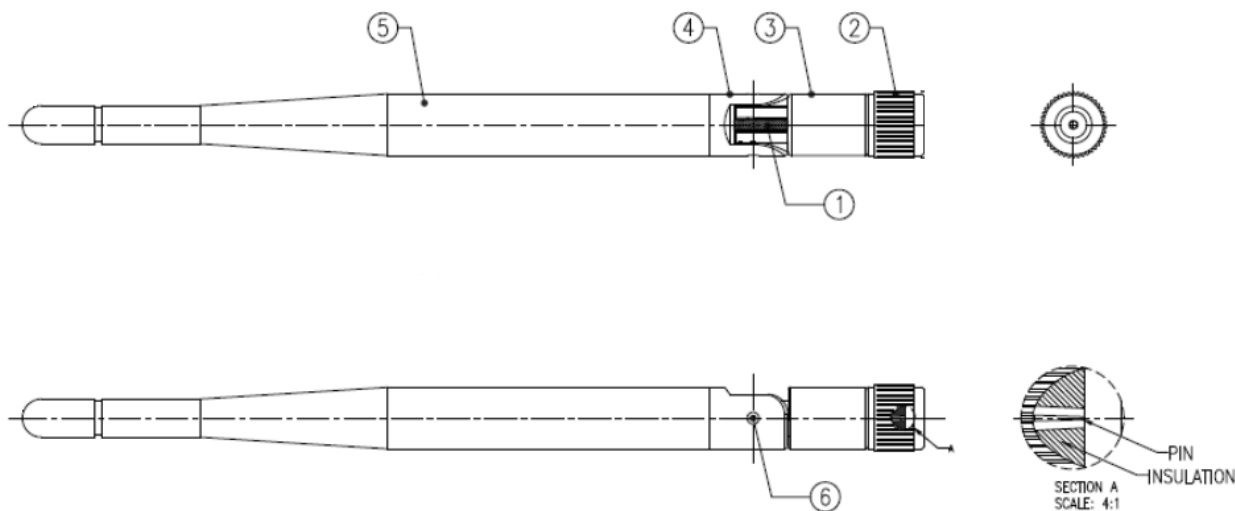
SMA Male RP

Recommended Operating Conditions

Operating Temperature Range: -20° ~ 60°C

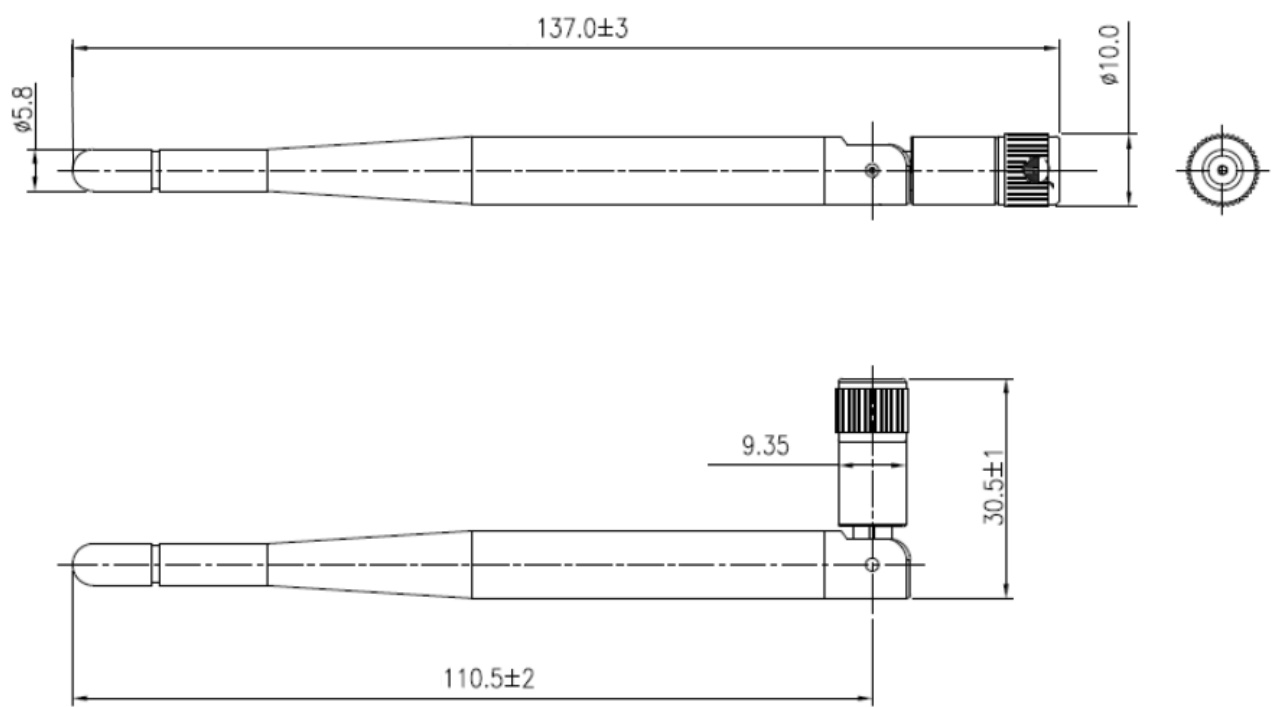
Storage Temperature Range: -40°~ 80°C

Antenna Material



Item	Part Name	Description	Q'ty
1	RF Cable	RG 178 CABLE BROWN	1
2	SMA	SMA PLUG/REVERSE	1
3	BOTTOM BASE	MATERIAL: PC/PBT	1
4	UPPER BASE	MATERIAL: PC	1
5	ANT. SLEEVE	MATERIAL: TPE	1
6	REVIT	MATERIAL: POM	2

Antenna Dimension

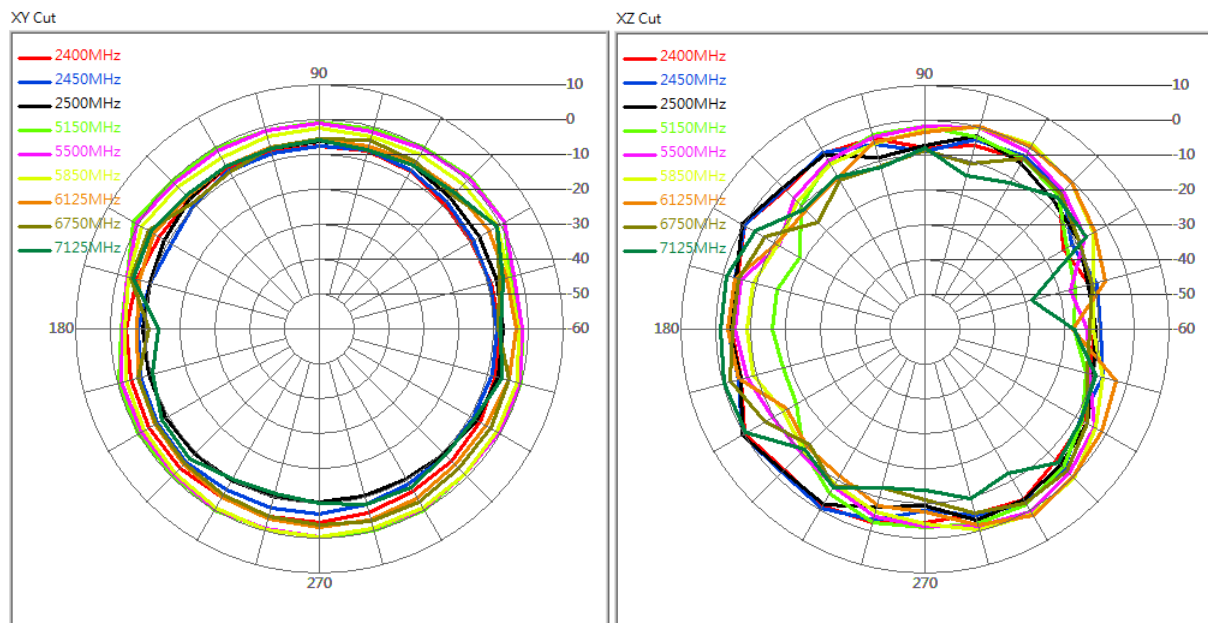


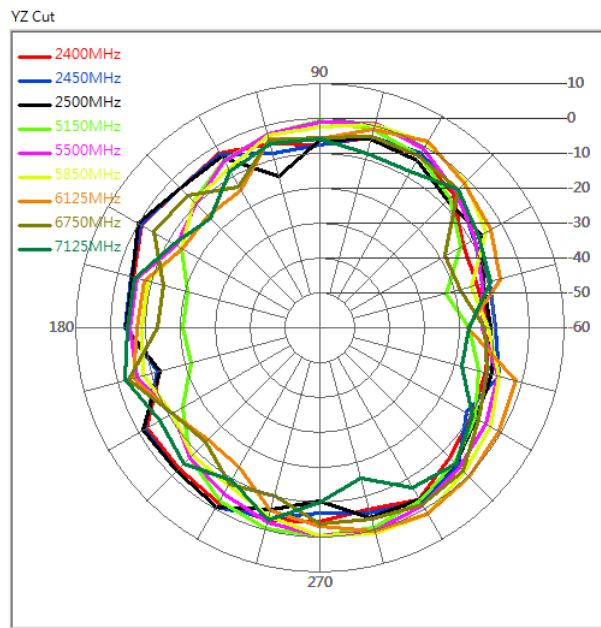
Unit: mm

Antenna Gain

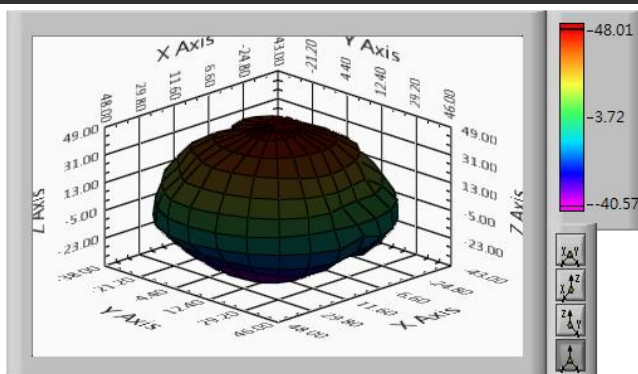
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	2.51	46.68
2450	2.66	46.65
2500	2.07	44.08
5150	3.21	59.98
5500	3.64	63.21
5850	3.73	71.47
6125	3.13	56.86
6750	3.54	63.88
7125	3.06	42.28

Antenna 2D Radiation Pattern

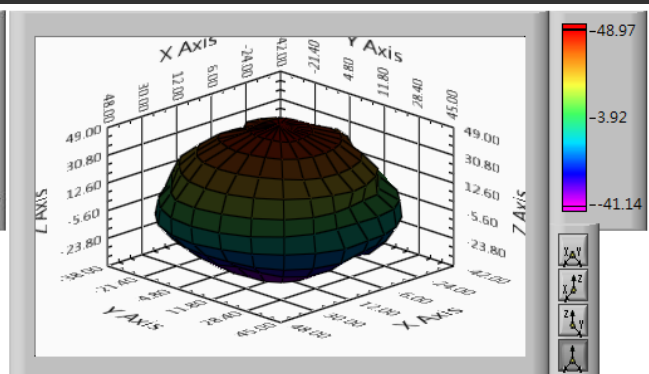




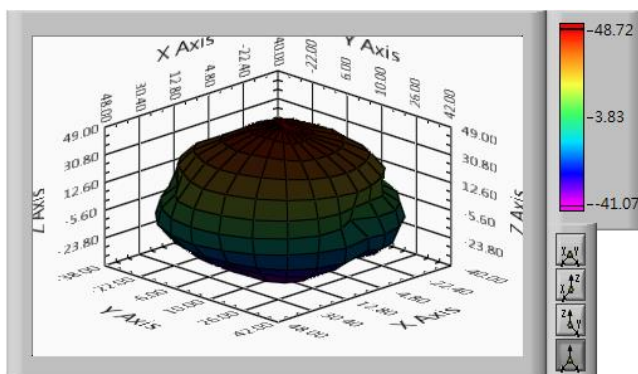
Antenna 2.4G 3D Radiation Pattern



2400 MHz

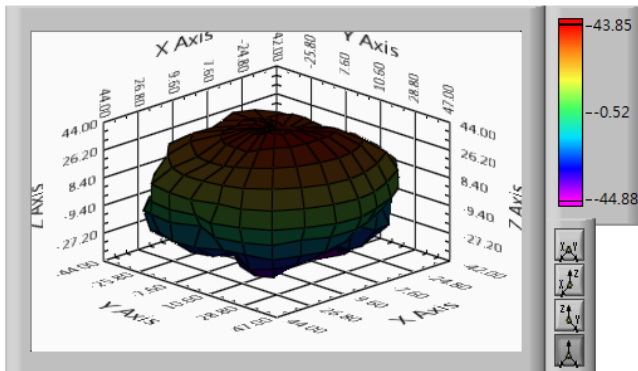


2450 MHz

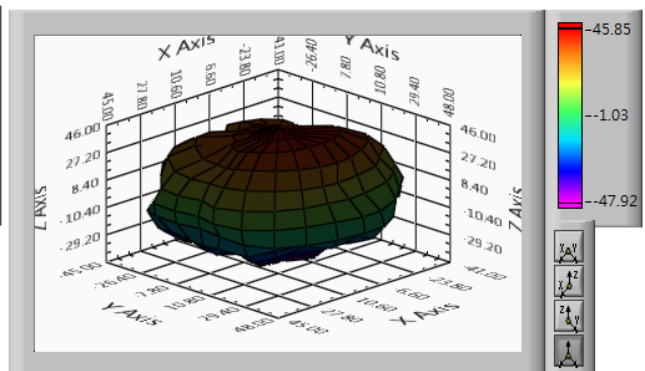


2485 MHz

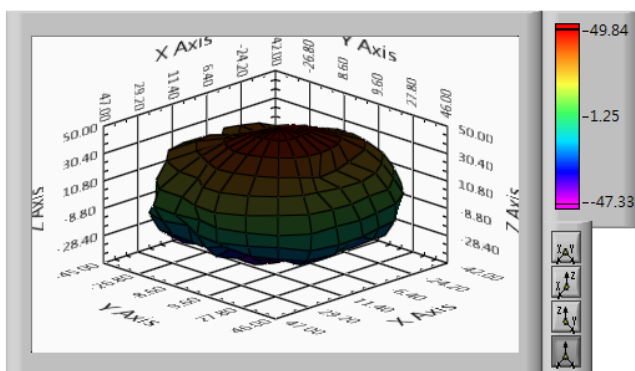
Antenna 5G/6G 3D Radiation Pattern



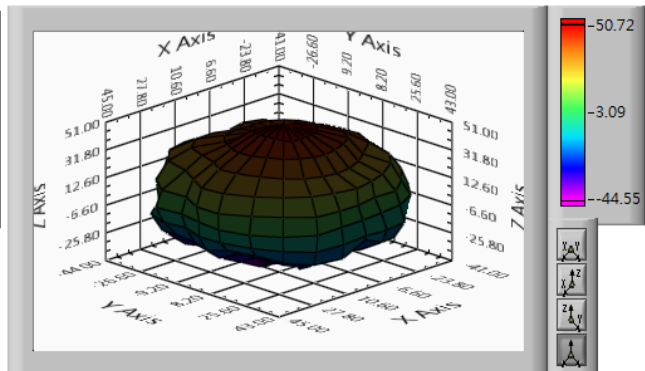
5150 MHz



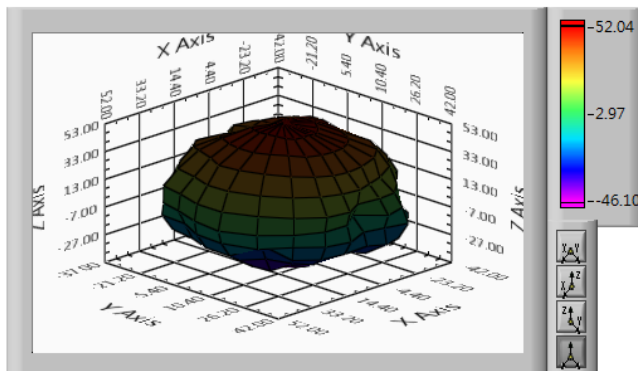
5500 MHz



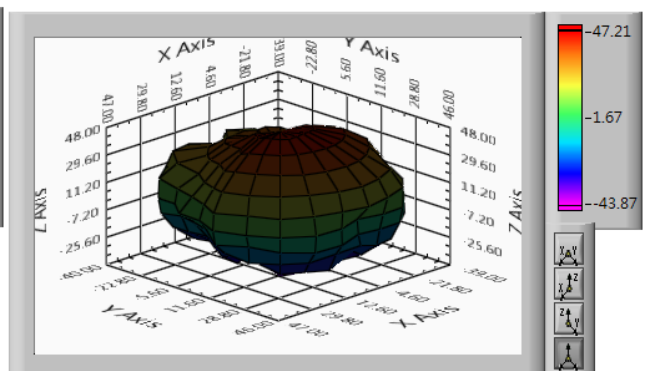
5850 MHz



5925 MHz



6500 MHz



7125 MHz

Return Loss & VSWR & Smith

