

2~6GHz Planar Helical Antenna

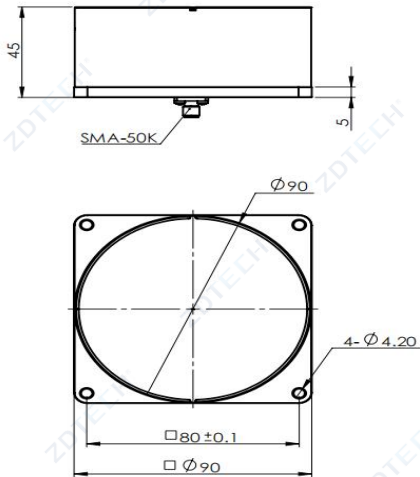
Model: ZD269058



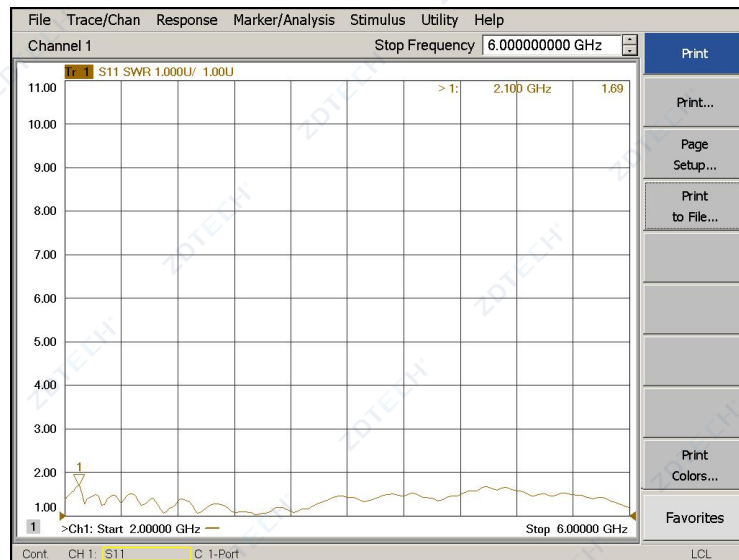
1. Technical Index

Operating Frequency (GHz)	2-6
Standing Wave	≤2.5
Polarization	Right-hand circular polarization
Beamwidth	Azimuth: ≥90° (beamwidth with absolute gain greater than or equal to -4dBi);
	Elevation: ≥90° (beamwidth with absolute gain greater than or equal to -4dBi);
	Among them: Azimuth: ≥90° (beamwidth with absolute gain greater than or equal to -2dBi @4GHz); Elevation: ≥90° (beamwidth with absolute gain greater than or equal to -2dBi @4GHz)
Reference dimensions	≤90mm × 90mm × 45mm (excluding socket)
Antenna cavity material	Aluminum alloy
Operating Temperature	-40°C to +55°C
Storage Temperature	-55°C to +70°C
Interface	SMA-50K (stainless steel)
Gain (Normal)	≥3dBi, including ≥6dBi (@4GHz)
Color	Military Green
Weight	≤0.17kg

2. Dimensions (Unit: mm)



3. Standing Wave

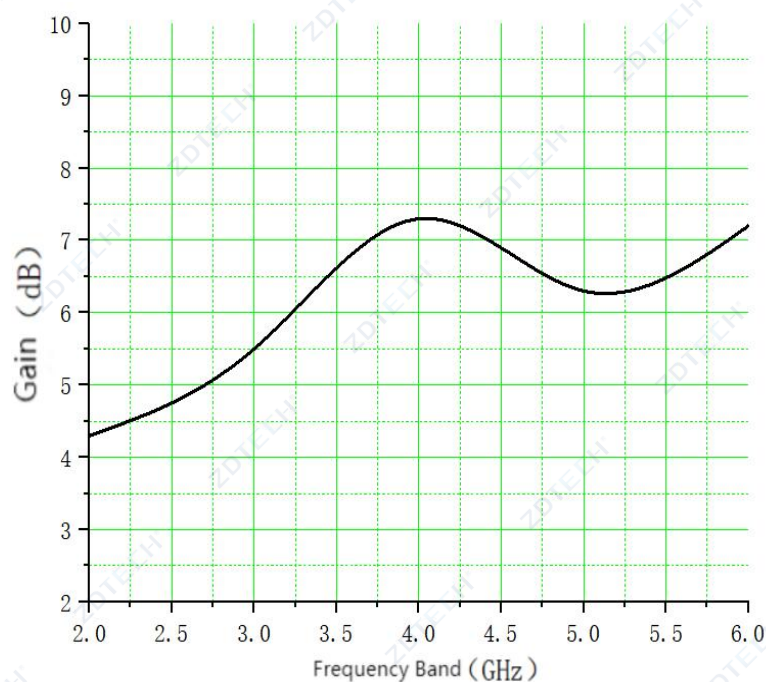


4. Beamwidth

Operating Frequency (GHz)	3dB Beamwidth(°)
2	89.6
3	65.5
4	59.2
5	69.3
6	101.5

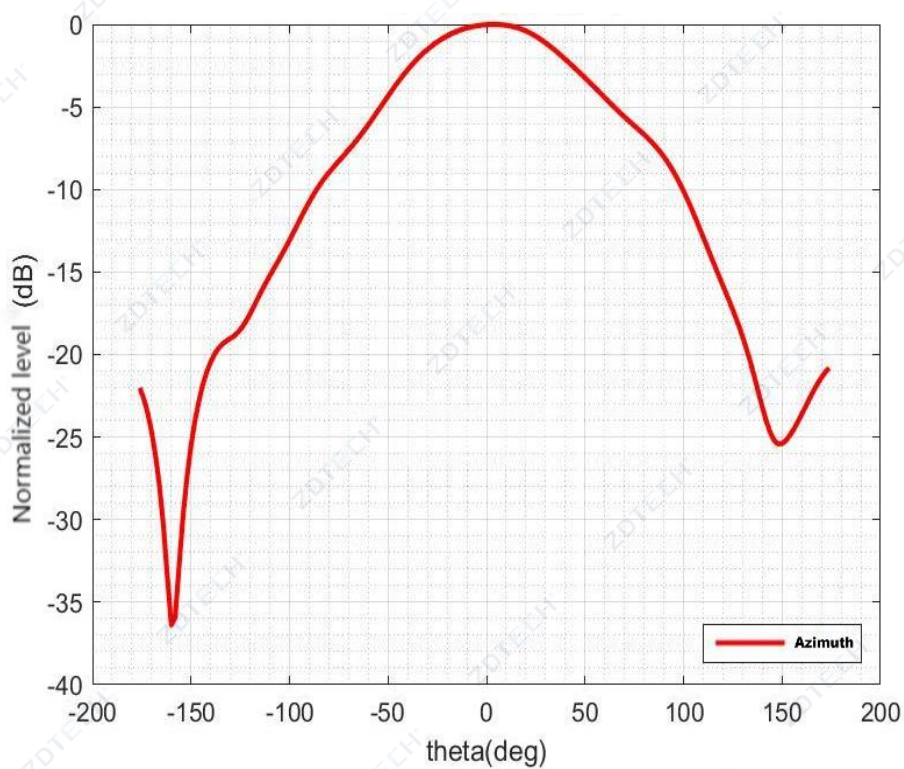
5. Gain Curve

2-6GHz Helical Antenna Gain Curve

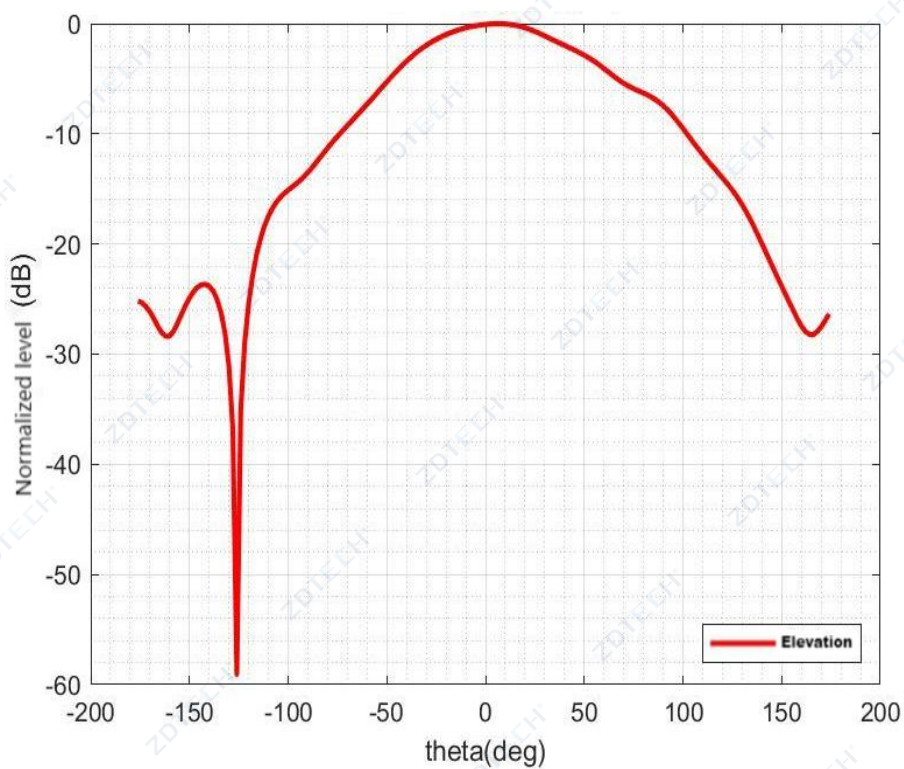


6. Typical Directional Pattern

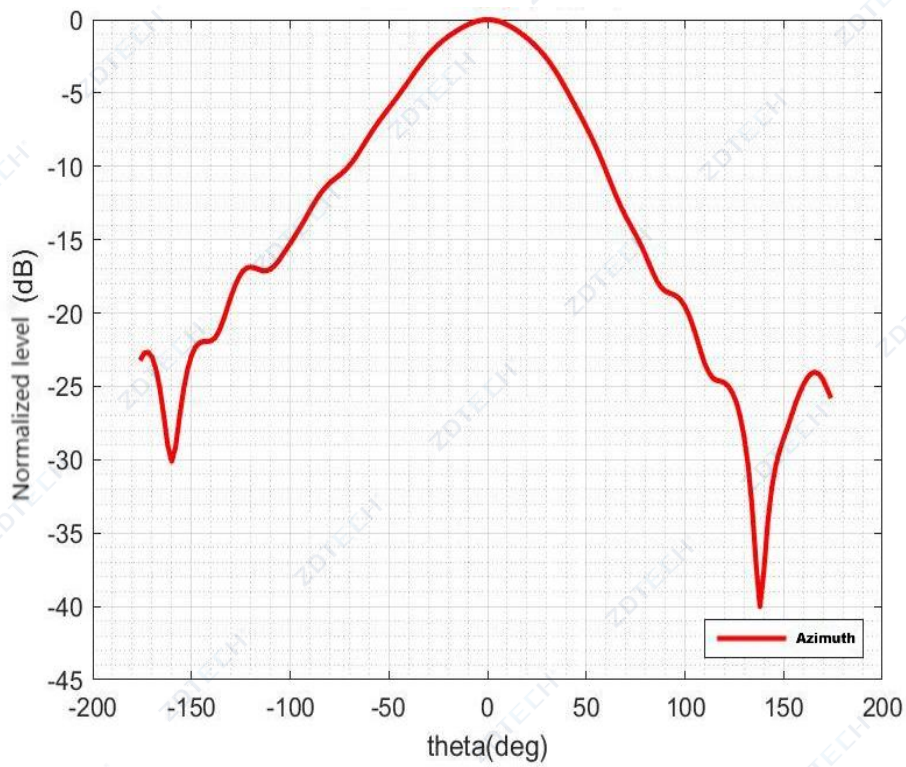
2GHz Directional Pattern



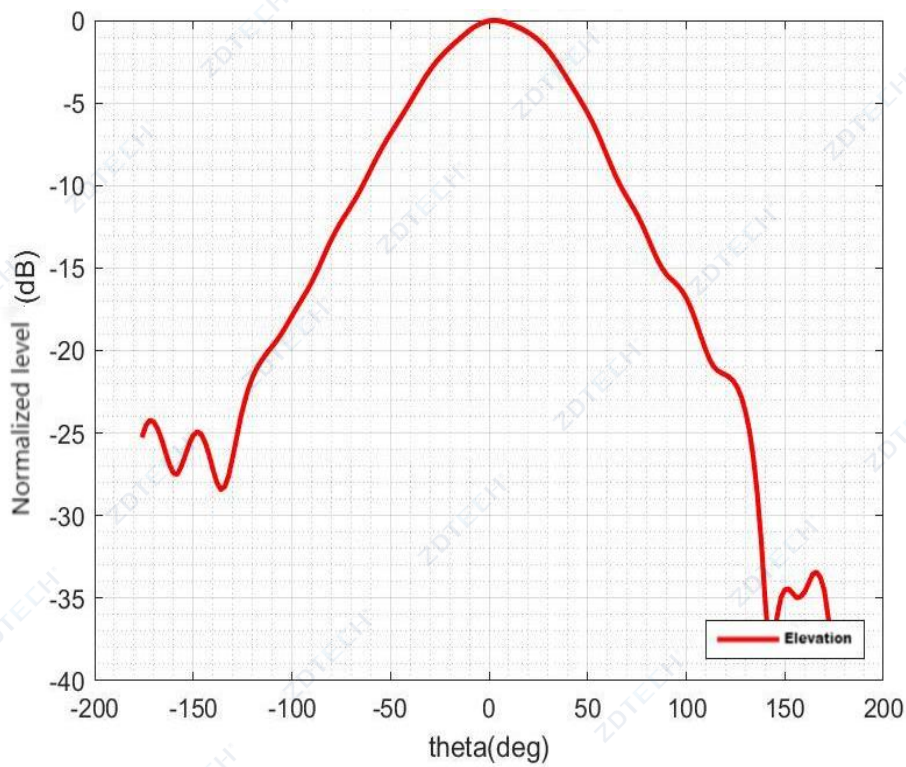
2GHz Directional Pattern



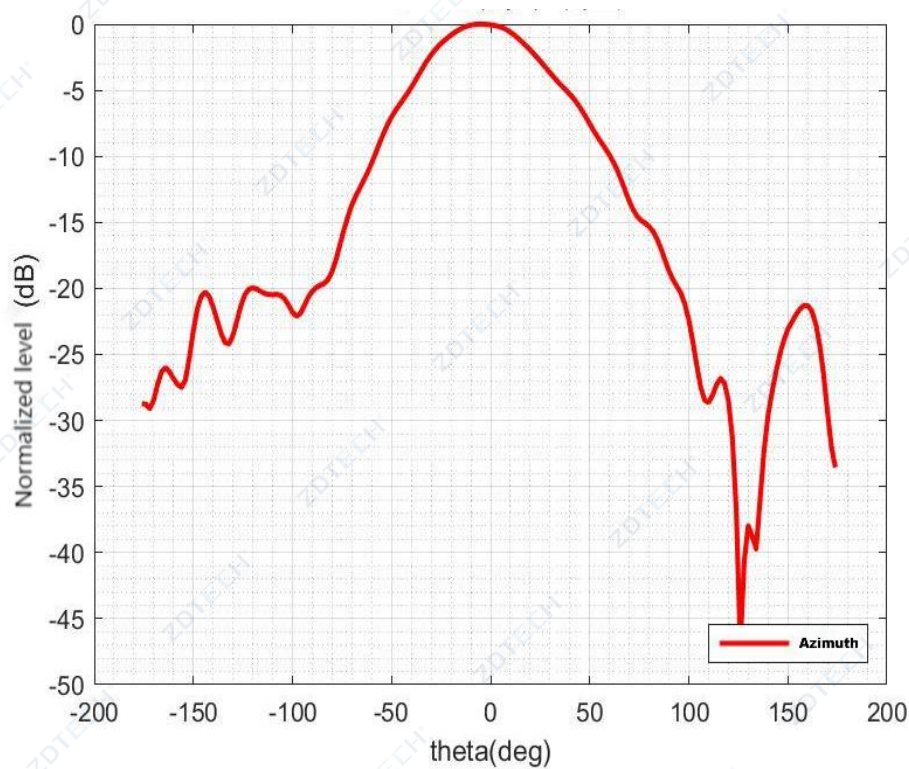
3GHz Directional Pattern



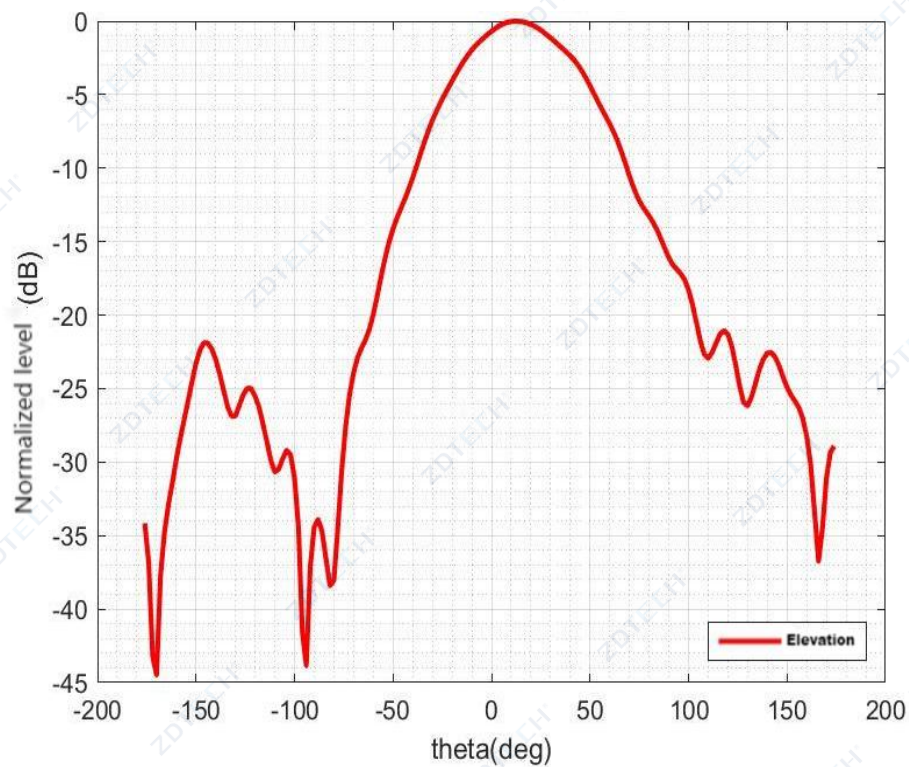
3GHz Directional Pattern



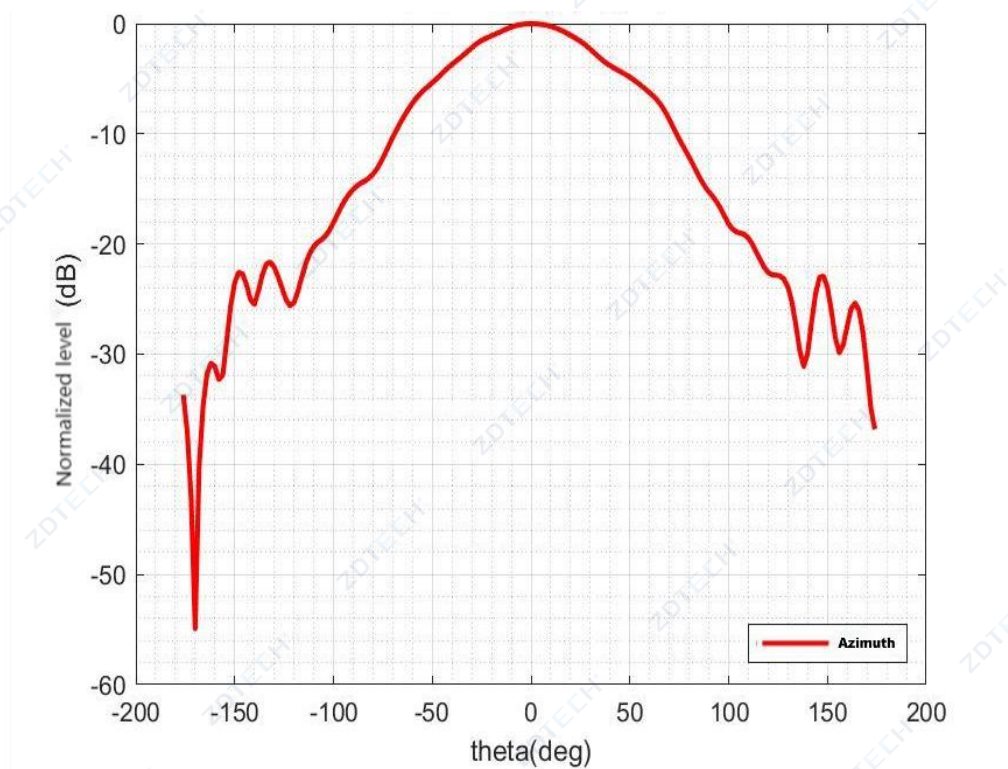
4GHz Directional Pattern



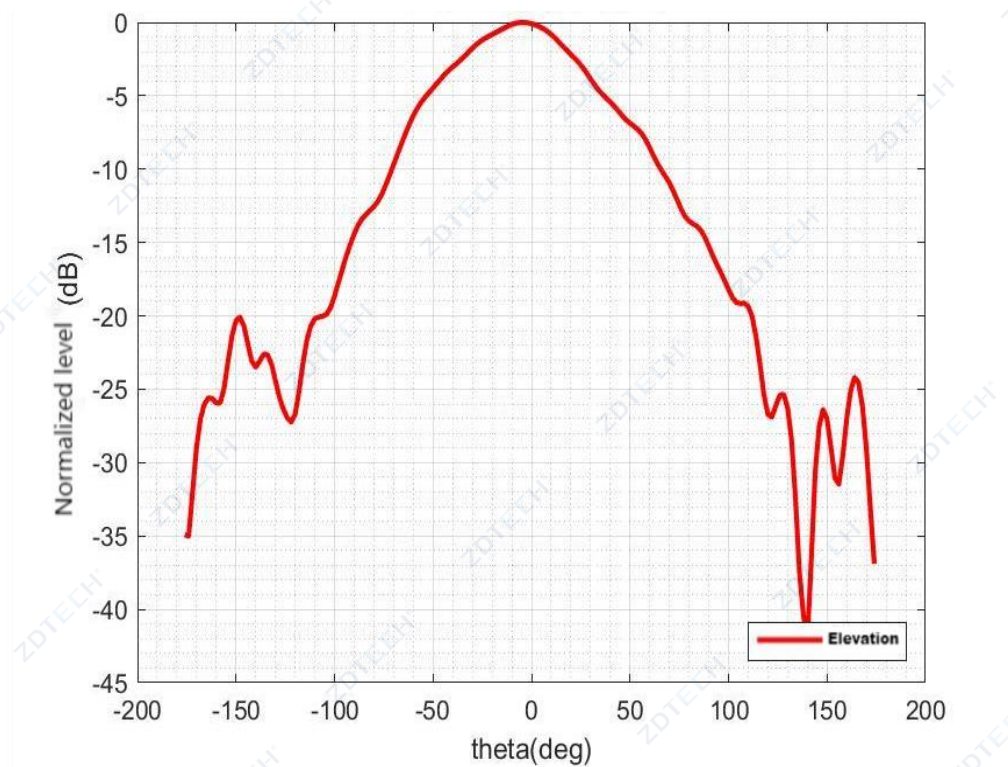
4GHz Directional Pattern



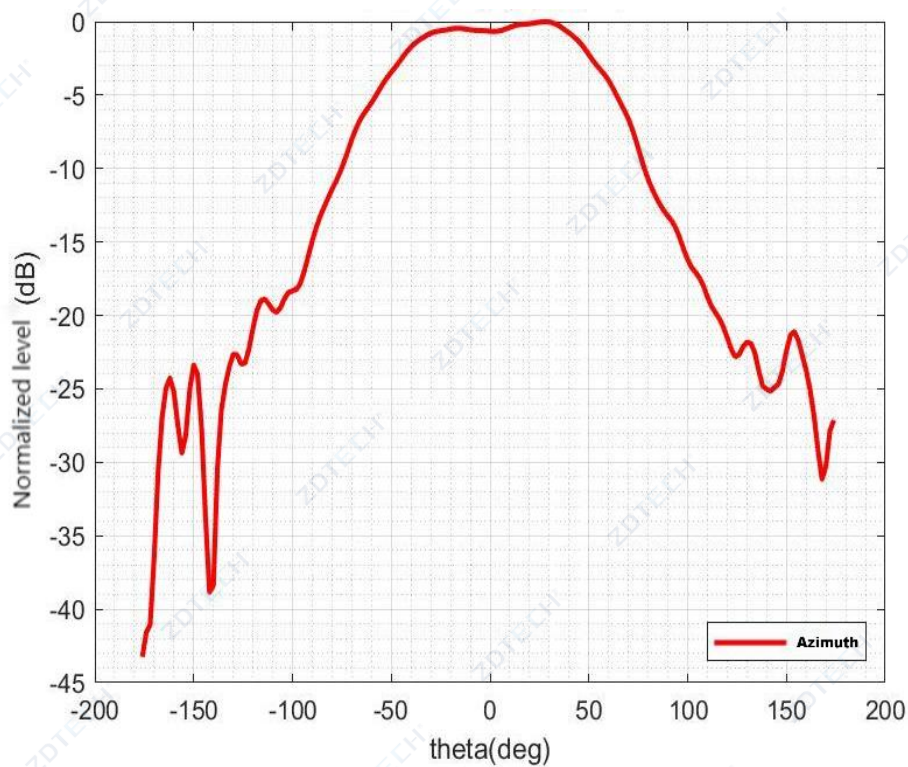
5GHz Directional Pattern



5GHz Directional Pattern



6GHz Directional Pattern



6GHz Directional Pattern

